

DESIGN DESIGNATION

US 50 EAST A.A.D.T. - 2024 = 10816
T = 18.1%
V = 65 M.P.H.

FUNCTIONAL CLASSIFICATION- FREEWAY

US 50 WEST A.A.D.T. - 2024 = 9581
T = 16.9%
V = 65 M.P.H.

FUNCTIONAL CLASSIFICATION- FREEWAY

NO NEW R/W TO BE ACQUIRED

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

COLE / OSAGE COUNTY

KEY MAP
LOCATION OF COLE AND
OSAGE COUNTY

US 50 WEST - 6.160 MILES
1/2" COLDMILL AND 2" SP125C RESURFACING

US 50 EAST - 4.990 MILES
1/2" COLDMILL AND 2" SP125C RESURFACING

END AT WB L.M. 116.540
BEGIN AT EB L.M. 145.847

END AT EB L.M. 150.837
BEGIN AT WB L.M. 110.380

TAOS
SCHUBERT

Clark's Hill/Norton State Historic Site

US 50 WEST 0.153 MILES
2" COLDMILL AND 2" SP125C RESURFACING

US 50 WEST 0.084 MILES
REPLACE BRIDGE A4188
APPROACH PAVEMENT

END AT WB L.M. 109.278
BEGIN AT WB L.M. 109.125

END AT WB L.M. 108.912
BEGIN AT WB L.M. 108.828

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.

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (3 SHEETS)---	2
QUANTITIES (QU) (12 SHEETS)-----	3
SPECIAL SHEETS (SS)-----	4-11
TRAFFIC CONTROL SHEETS (TC)-----	12-21
LIGHTING (LT)-----	22
PAVEMENT MARKING (PM)-----	23-28
BRIDGE DRAWINGS (B) (2 SHEETS)	
A4188-----	1-2

LENGTH OF PROJECT

US 50 EAST (COLE COUNTY)	
BEGINNING OF PROJECT	L.M. 145.847
END OF PROJECT	L.M. 150.837
APPARENT LENGTH	26347.20 FEET
EQUATIONS AND EXCEPTIONS:	
NONE	
US 50 WEST (COLE COUNTY)	
BEGINNING OF PROJECT	L.M. 110.380
END OF PROJECT	L.M. 116.540
APPARENT LENGTH	32524.80 FEET
EQUATIONS AND EXCEPTIONS:	
NONE	
US 50 WEST (OSAGE COUNTY)	
BEGINNING OF PROJECT	L.M. 108.828
END OF PROJECT	L.M. 108.912
APPARENT LENGTH	443.52 FEET
EQUATIONS AND EXCEPTIONS:	
NONE	

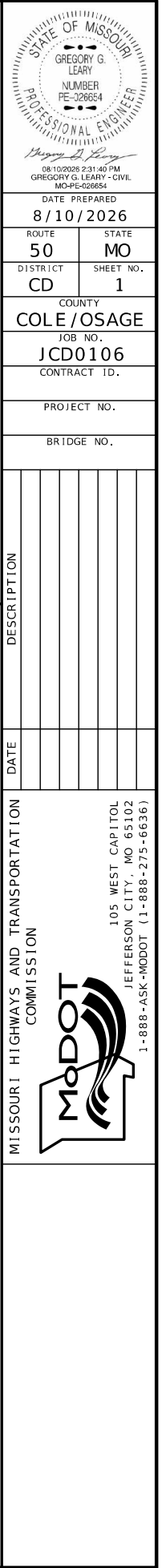
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US 50 WEST (OSAGE COUNTY)
BEGINNING OF PROJECT                      L.M.   109.125
END OF PROJECT                            L.M.   109.278
APPARENT LENGTH                          807.84 FEET
EQUATIONS AND EXCEPTIONS:
    NONE

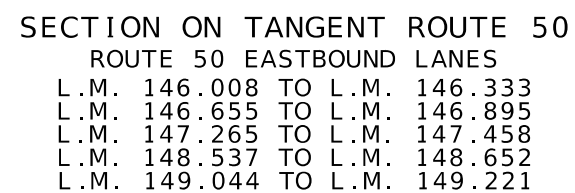
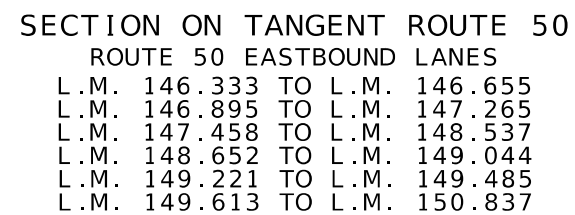
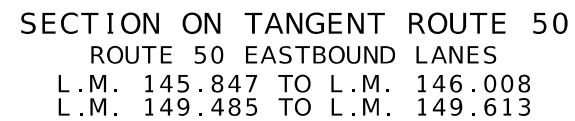
TOTAL CORRECTIONS                        0.00 FEET
NET LENGTH OF PROJECT                    60123.36 FEET
STATE LENGTH                            11.387 MILES

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES                0 ACRES

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TYPICAL SECTIONS

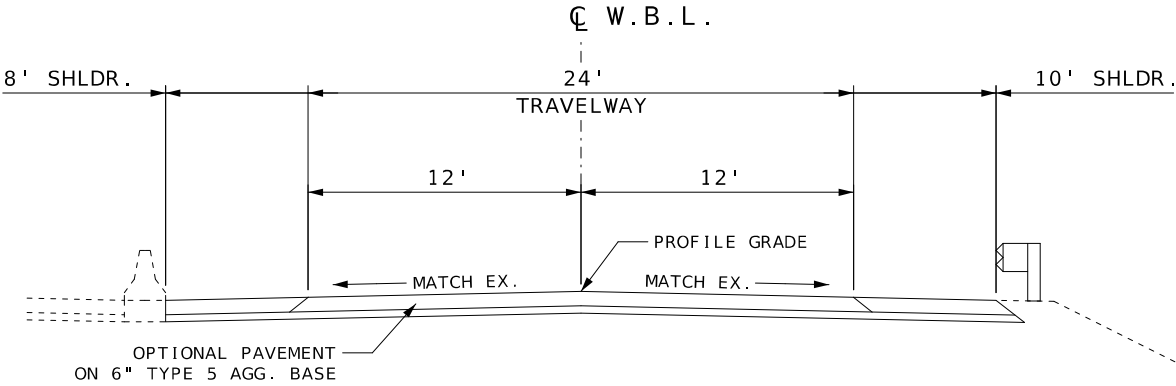
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ESTIMATE FACTORS:	
SP125C (PG 70-22)	1.927 TON/CY
BP-1 (PG 64-22)	1.948 TON/CY
TACK COAT (COLDMILLED)	0.10 GAL/SY

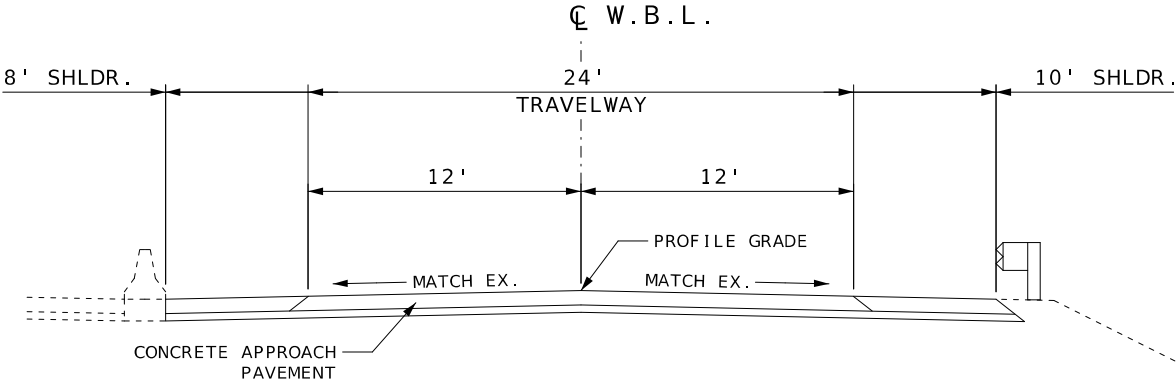
ASPHALT OPTION
2" SP125C W/ PG 70-22 OVER
2" SP125C W/ PG 70-22 OVER
7 1/2" SP250C W/ PG 64-22

CONCRETE OPTION
9.5" CONCRETE
13.5' WIDE SLABS, 15' JOINTS
1 1/4" DIAMETER DOWELS

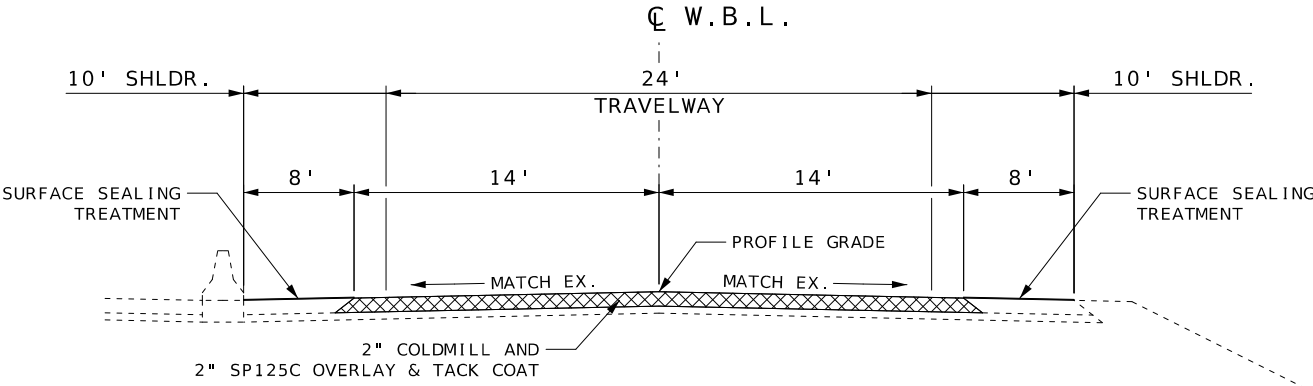
TYPICAL SECTIONS



SECTION ON TANGENT WB ROUTE 50
BRIDGE A4188 OPTIONAL PAVEMENT
L.M. 108.828 TO L.M. 108.831
L.M. 108.909 TO L.M. 108.918

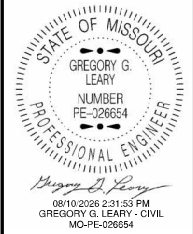


SECTION ON TANGENT WB ROUTE 50
BRIDGE A4188 CONCRETE APPROACH PAVEMENT
L.M. 108.831 TO L.M. 108.836
L.M. 108.904 TO L.M. 108.909



SECTION ON TANGENT WB ROUTE 50
OSAGE COUNTY ROUTE 50 WESTBOUND MILL/FILL
L.M. 109.125 TO L.M. 109.278

TYPICAL SECTION
SHEET 2 OF 3



DATE PREPARED	
8/10/2026	
ROUTE	STATE
50	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
COLE / OSAGE
JOB NO.
JCD0106
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

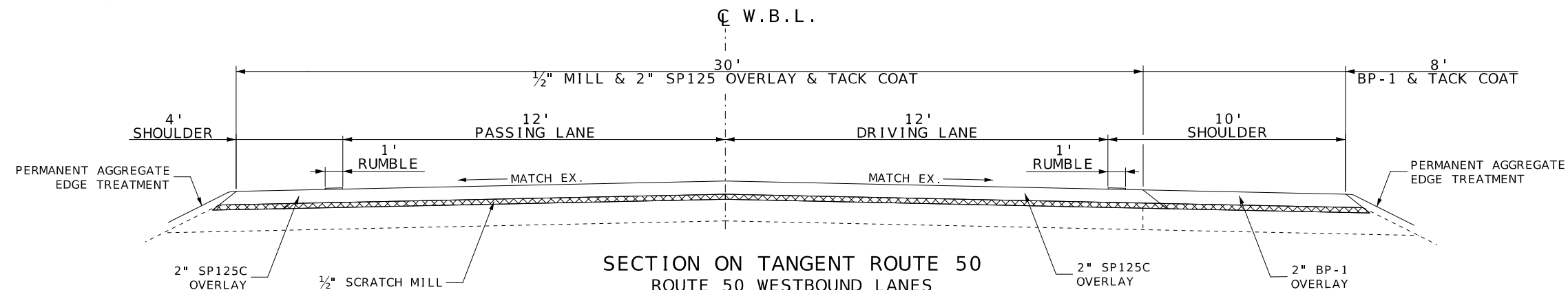
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

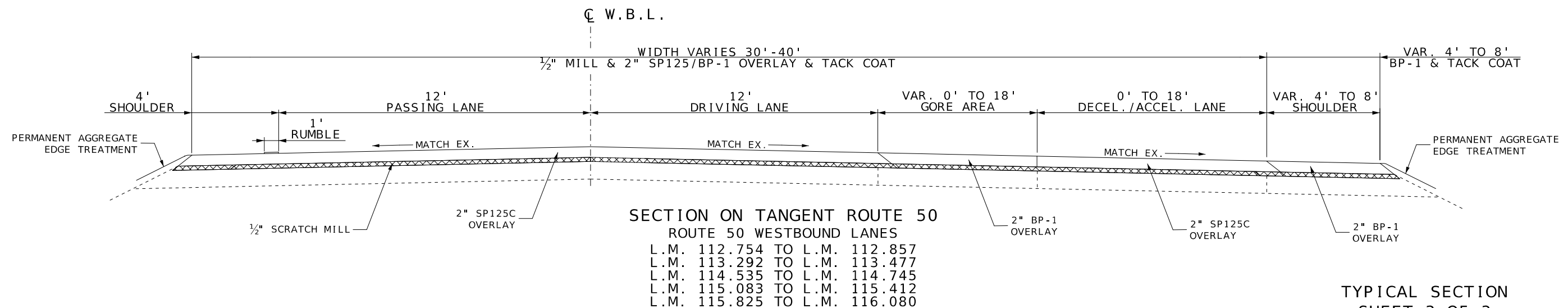
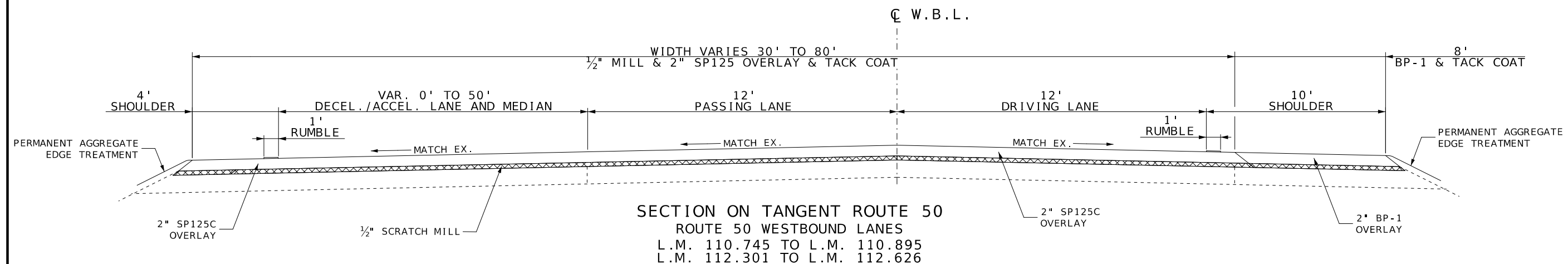
ESTIMATE FACTORS:	
SP125C (PG 70-22)	1.927 TON/CY
BP-1 (PG 64-22)	1.948 TON/CY
TACK COAT (COLDMILLED)	0.10 GAL/SY

TYPICAL SECTIONS

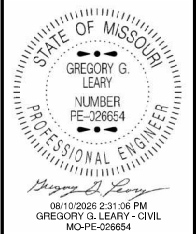


SECTION ON TANGENT ROUTE 50
ROUTE 50 WESTBOUND LANES

L.M. 110.380	TO	L.M. 110.745
L.M. 110.895	TO	L.M. 112.301
L.M. 112.626	TO	L.M. 112.754
L.M. 112.857	TO	L.M. 113.292
L.M. 113.477	TO	L.M. 114.535
L.M. 114.745	TO	L.M. 115.083
L.M. 115.412	TO	L.M. 115.825
L.M. 116.080	TO	L.M. 116.540



TYPICAL SECTION
SHEET 3 OF 3



DATE PREPARED	
8/10/2026	
ROUTE	STATE
50	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
COLE / OSAGE
JOB NO.
JCD0106
CONTRACT ID.

	PROJECT NO.

	BRIDGE NO.

[illegible]

**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

 **MoDOT**

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



08/10/2026 2:33:58 PM
GREGORY G. LEARY - CIVIL
MO-PE-926654

REMOVAL OF IMPROVEMENTS				
APPROX LOG MILE	LOCATION	ITEM	QTY	REMARKS
108.828	WB ROUTE 50	SAW CUT	42 LF	SAW CUT ACROSS WB ROUTE 50 TRAVELWAY AND SHOULDERS
108.828	WB ROUTE 50	CONCRETE PAVEMENT REMOVAL	301.77 SQ. YDS.	BRIDGE APPROACH EAST OF BRIDGE A4188
108.897	WB ROUTE 50	CONCRETE PAVEMENT REMOVAL	446.47 SQ. YDS.	BRIDGE APPROACH WEST OF BRIDGE A4188
108.918	WB ROUTE 50	SAW CUT	42 LF	SAW CUT ACROSS WB ROUTE 50 TRAVELWAY AND SHOULDERS
TOTAL			1 LUMP SUM	

COLDMILLING (3" THICK OR LESS) - EB ROUTE 50								
LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT.	WIDTH FT.	DEPTH IN.	AREA SQ. FT.	COLDMILLING (3" THICK OR LESS) SQYD	REMARKS
145.875	146.037	EB ROUTE 50	855.36	VARIES	0.5	15854.85	1761.65	EB ROUTE 50 N. SHAMROCK RD. LEFT TURN AREA - APPROX. 1761.65 SQ. YDS.
145.875	146.015	EB ROUTE 50	739.2	34	0.5	25132.8	2792.53	EB ROUTE 50 MAINLINE WITH OUTSIDE SHOULDER
146.015	146.333	EB ROUTE 50	1679.04	VARIES	0.5	43358.22	4817.58	EB ROUTE 50 AND SHAMROCK RD. AND LIBERTY RD. INTERSECTION AREA - APPROX. 4817.58 SQ. YDS.
146.015	146.333	EB ROUTE 50	1679.04	28	0.5	47013.12	5223.68	EB ROUTE 50 MAINLINE WITH INSIDE SHOULDER
146.333	146.655	EB ROUTE 50	1700.16	38	0.5	64606.08	7178.45	EB ROUTE 50 MAINLINE WITH SHOULDERS
146.655	146.701	EB ROUTE 50	242.88	43	0.5	10443.84	1160.43	TAPER FOR MILITIA DR. DECEL. LANE - AVG. WIDTH 43 FT.
146.701	146.786	EB ROUTE 50	448.8	48	0.5	21542.4	2393.60	EB ROUTE 50 MAINLINE WITH MILITIA DR. DECEL. LANE
146.786	146.853	EB ROUTE 50	353.76	VARIES	0.5	7880.76	875.64	MILITIA DR. OFF RAMP AREA WITH OUTSIDE SHOULDER - APPROX. 875.64 SQ. YDS.
146.786	146.817	EB ROUTE 50	163.68	28	0.5	4583.04	509.23	EB ROUTE 50 MAINLINE WITH INSIDE SHOULDER
146.817	146.895	EB ROUTE 50	411.84	39	0.5	16061.76	1784.64	EB ROUTE 50 MAINLINE WITH INSIDE SHOULDER AND GORE AREA OUTSIDE SHOULDER
146.895	147.265	EB ROUTE 50	1953.6	38	0.5	74236.8	8248.53	EB ROUTE 50 MAINLINE WITH SHOULDERS
147.265	147.292	EB ROUTE 50	142.56	39	0.5	5559.84	617.76	EB ROUTE 50 MAINLINE WITH INSIDE SHOULDER AND GORE AREA OUTSIDE SHOULDER
147.292	147.298	EB ROUTE 50	31.68	28	0.5	887.04	98.56	EB ROUTE 50 MAINLINE WITH INSIDE SHOULDER
147.262	147.298	EB ROUTE 50	190.08	VARIES	0.5	5428.8	603.20	MILITIA DR. ON RAMP AREA WITH OUTSIDE SHOULDER - APPROX. 603.20 SQ. YDS.
147.298	147.397	EB ROUTE 50	522.72	48	0.5	25090.56	2787.84	EB ROUTE 50 MAINLINE AND SHOULDERS AND MILITIA DR. ACCEL. LANE
147.397	147.458	EB ROUTE 50	322.08	43	0.5	13849.44	1538.83	EB ROUTE 50 MAINLINE AND SHOULDERS AND MILITIA DR. ACCEL. LANE TAPER
147.458	148.537	EB ROUTE 50	5697.12	38	0.5	216490.56	24054.51	EB ROUTE 50 MAINLINE WITH SHOULDERS
148.537	148.869	EB ROUTE 50	1752.96	VARIES	0.5	34697.79	3855.31	ROUTE M OFF RAMP AREA WITH OUTSIDE SHOULDER - APPROX. 3855.31 SQ. YDS.
148.537	148.608	EB ROUTE 50	374.88	28	0.5	10496.64	1166.29	
148.608	148.652	EB ROUTE 50	232.32	39	0.5	9060.48	1006.72	EB ROUTE 50 MAINLINE WITH INSIDE SHOULDER AND GORE AREA OUTSIDE SHOULDER
148.652	149.044	EB ROUTE 50	2069.76	38	0.5	78650.88	8738.99	EB ROUTE 50 MAINLINE WITH SHOULDERS
149.044	149.077	EB ROUTE 50	174.24	39	0.5	6795.36	755.04	EB ROUTE 50 MAINLINE WITH INSIDE SHOULDER AND GORE AREA OUTSIDE SHOULDER
149.077	149.091	EB ROUTE 50	73.92	28	0.5	2069.76	229.97	
148.903	149.091	EB ROUTE 50	992.64	VARIES	0.5	18658.71	2073.19	ROUTE M ON RAMP WITH OUTSIDE SHOULDER - APPROX. 2073.19 SQ. YDS.
149.091	149.180	EB ROUTE 50	469.92	48	0.5	22556.16	2506.24	EB ROUTE 50 MAINLINE AND SHOULDERS AND ROUTE M ACCEL. LANE
149.180	149.221	EB ROUTE 50	216.48	43	0.5	9308.64	1034.29	EB ROUTE 50 MAINLINE AND SHOULDERS AND ROUTE M ACCEL. LANE TAPER
149.221	149.485	EB ROUTE 50	1393.92	38	0.5	52968.96	5885.44	EB ROUTE 50 MAINLINE WITH SHOULDERS
149.485	149.518	EB ROUTE 50	174.24	44	0.5	7666.56	851.84	EB ROUTE 50 MAINLINE AND SHOULDERS AND TAPER FOR LISLETOWN RD. LEFT TURN LANE
149.518	149.576	EB ROUTE 50	306.24	50	0.5	15312	1701.33	EB ROUTE 50 MAINLINE AND SHOULDERS AND LISLETOWN RD. LEFT TURN LANE
149.576	149.613	EB ROUTE 50	195.36	34	0.5	6642.24	738.03	EB ROUTE 50 MAINLINE THROUGH LISLETOWN RD. INTERSECTION
149.576	149.613	EB ROUTE 50	195.36	VARIES	0.5	15807.87	1756.43	LISLETOWN RD. INTERSECTION AREA APPROX. 1756.43 SQ. YDS.
149.613	150.809	EB ROUTE 50	6314.88	38	0.5	239965.44	26662.83	EB ROUTE 50 MAINLINE WITH SHOULDERS
SUBTOTAL			1				125408.60	

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER PE-926654

PROFESSIONAL ENGINEER

08/10/2026 2:33:58 PM

GREGORY G. LEARY - CIVIL

MO-PE-926654

DATE PREPARED

8/10/2026

ROUTE

50

STATE

MO

DISTRICT

CD

SHEET NO.

3

COUNTY

COLE / OSAGE

JOB NO.

JCD0106

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)

MOBILIZATION
1 LUMP SUM

BRIDGE NO.



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

MODIFIED COLDMILLING (DEPTH TRANSITION)							
LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT.	WIDTH FT.	AREA SQ. FT.	MODIFIED COLDMILLING SQYD	REMARKS
145.847	145.875	EB ROUTE 50	150	VARIES	6977.88	775.32	START OF PROJECT ON EB ROUTE 50 - INCLUDES N. SHAMROCK RD. LEFT TURN LANE - APPROX. 775.32 SQ. YDS.
146.097	146.097	EB ROUTE 50	37.5	VARIES	937.08	104.12	SHAMROCK RD. INTERSECTION - APPROX. 104.12 SQ. YDS.
146.120	146.127	EB ROUTE 50	37.5	VARIES	981.81	109.09	LIBERTY RD. INTERSECTION - APPROX. 109.09 SQ. YDS.
146.853	146.867	EB ROUTE 50	75	30	2250	250.00	END OF MILITIA DR. OFF RAMP RESURFACING
147.248	147.262	EB ROUTE 50	75	30	2250	250.00	START OF MILITIA DR. ON RAMP RESURFACING
148.869	148.883	EB ROUTE 50	75	VARIES	2827.08	314.12	END OF ROUTE M OFF RAMP RESURFACING - APPROX. 314.12 SQ. YDS.
148.889	148.903	EB ROUTE 50	75	VARIES	2962.71	329.19	START OF ROUTE M ON RAMP RESURFACING - APPROX. 329.19 SQ. YDS.
150.809	150.837	EB ROUTE 50	150	38	5700	633.33	END OF PROJECT ON EB ROUTE 50
110.380	110.408	WB ROUTE 50	150	38	5700	633.33	START OF PROJECT ON WB ROUTE 50
110.835	110.884	WB ROUTE 50	258.72	VARIES	3685.59	409.51	BIG MEADOWS RD. INTERSECTION AREA - APPROX. 409.51 SQ. YDS.
110.839	110.859	WB ROUTE 50	105.6	VARIES	1683.36	187.04	MARINA RD. INTERSECTION AREA - APPROX. 187.04 SQ. YDS.
112.324	112.346	WB ROUTE 50	116.16	VARIES	2183.85	242.65	LISLETOWN RD. INTERSECTION AREA - APPROX. 242.65 SQ. YDS.
113.016	113.030	WB ROUTE 50	75	VARIES	3224.25	358.25	END OF ROUTE M OFF RAMP RESURFACING - APPROX. 358.25 SQ. YDS.
113.036	113.050	WB ROUTE 50	75	VARIES	3672.09	408.01	START OF ROUTE M ON RAMP RESURFACING - APPROX. 408.01 SQ. YDS.
114.704	114.718	WB ROUTE 50	75	30	2250	250.00	END OF MILITIA DR. OFF RAMP RESURFACING
115.072	115.086	WB ROUTE 50	75	30	2250	250.00	START OF MILITIA DR. ON RAMP RESURFACING
115.894	115.908	WB ROUTE 50	VARIES	VARIES	2699.91	299.99	N. SHAMROCK RD. INTERSECTION AREA - APPROX. 299.99 SQ. YDS.
116.512	116.540	WB ROUTE 50	150	38	5700	633.33	END OF PROJECT ON WB ROUTE 50
TOTAL						6437.28	
USE						6437	

2" BITUMINOUS PAVEMENT MIXTURE - BP-1 (PG64-22)								
LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT.	WIDTH FT.	AREA SQ. FT.	2" BP-1 RESURFACING PG 64-22 TONS	TACK COAT GAL	REMARKS
145.847	146.015	EB ROUTE 50	887.04	8	7096.32	85.33	78.85	START OF PROJECT EB ROUTE 50
146.015	146.333	EB ROUTE 50	1679.04					SHAMROCK ROAD INTERSECTION AREA
146.333	146.655	EB ROUTE 50	1700.16	8	13601.28	163.55	151.13	
146.655	146.867	EB ROUTE 50	1119.36	8	8954.88	107.68	99.50	OUTSIDE SHOULDER OF MILITIA DR. EXIT RAMP AND DECEL. LANE
146.817	146.895	EB ROUTE 50	411.84	9	3706.56	44.57	41.18	GORE AREA - 9 FT. AVERAGE WIDTH
146.895	147.265	EB ROUTE 50	1953.6	8	15628.8	187.93	173.65	
147.265	147.292	EB ROUTE 50	142.56	9	1283.04	15.43	14.26	GORE AREA - 9 FT. AVERAGE WIDTH
147.248	147.458	EB ROUTE 50	1108.8	8	8870.4	106.66	98.56	OUTSIDE SHOULDER OF MILITIA DR. ON RAMP AND ACCEL. LANE
147.458	148.537	EB ROUTE 50	5697.12	8	45576.96	548.05	506.41	
148.537	148.611	EB ROUTE 50	390.72	8	3125.76	37.59	34.73	OUTSIDE SHOULDER OF ROUTE M EXIT RAMP
148.608	148.652	EB ROUTE 50	232.32	9	2090.88	25.14	23.23	GORE AREA - 9 FT. AVERAGE WIDTH
148.652	149.044	EB ROUTE 50	2069.76	8	16558.08	199.11	183.98	
149.044	149.077	EB ROUTE 50	174.24	9	1568.16	18.86	17.42	GORE AREA - 9 FT. AVERAGE WIDTH
149.079	149.221	EB ROUTE 50	749.76	8	5998.08	72.12	66.65	OUTSIDE SHOULDER OF ROUTE M ON RAMP
149.221	150.837	EB ROUTE 50	8532.48	8	68259.84	820.80	758.44	END OF PROJECT EB ROUTE 50
110.380	110.839	WB ROUTE 50	2423.52	8	19388.16	233.14	215.42	START OF PROJECT WB ROUTE 50
110.839	110.859	WB ROUTE 50	105.6	VARIES	1683.36	20.24	18.70	MARINA RD. DEPTH TRANSITION - APPROX. 187.04 SQ. YDS.
110.839	110.859	WB ROUTE 50	105.6	VARIES	2172.06	26.12	24.13	MARINA RD. INTERSECTION AREA - APPROX. 241.34 SQ. YDS.
110.839	110.859	WB ROUTE 50	105.6	8	844.8	10.16	9.39	OUTSIDE SHOULDER THROUGH MARINA RD. INTERSECTION
110.859	112.324	WB ROUTE 50	7735.2	8	61881.6	744.10	687.57	
112.324	112.346	WB ROUTE 50	116.16	VARIES	2183.85	26.26	24.27	LISLETOWN RD. DEPTH TRANSITION - APPROX. 242.65 SQ. YDS.
112.324	112.346	WB ROUTE 50	116.16	VARIES	7996.23	96.15	88.85	LISLETOWN RD. INTERSECTION AREA - APPROX. 888.47 SQ. YDS.
112.324	112.346	WB ROUTE 50	116.16	8	929.28	11.17	10.33	OUTSIDE SHOULDER THROUGH LISLETOWN RD. INTERSECTION
112.346	112.754	WB ROUTE 50	2154.24	8	17233.92	207.23	191.49	
112.754	112.838	WB ROUTE 50	443.52	8	3548.16	42.67	39.42	OUTSIDE SHOULDER OF ROUTE M EXIT RAMP
112.831	112.857	WB ROUTE 50	137.28	9	1235.52	14.86	13.73	GORE AREA - 9 FT. AVERAGE WIDTH
112.857	113.292	WB ROUTE 50	2296.8	8	18374.4	220.95	204.16	
113.292	113.320	WB ROUTE 50	147.84	9	1330.56	16.00	14.78	GORE AREA - 9 FT. AVERAGE WIDTH
113.322	113.477	WB ROUTE 50	818.4	8	6547.2	78.73	72.75	OUTSIDE SHOULDER OF ROUTE M ON RAMP
113.477	114.535	WB ROUTE 50	5586.24	8	44689.92	537.38	496.55	
114.535	114.718	WB ROUTE 50	966.24	8	7729.92	92.95	85.89	OUTSIDE SHOULDER OF MILITIA DR. EXIT RAMP
114.662	114.745	WB ROUTE 50	438.24	9	3944.16	47.43	43.82	GORE AREA - 9 FT. AVERAGE WIDTH
114.745	115.083	WB ROUTE 50	1784.64	8	14277.12	171.68	158.63	
115.083	115.116	WB ROUTE 50	174.24	9	1568.16	18.86	17.42	GORE AREA - 9 FT. AVERAGE WIDTH
115.072	115.412	WB ROUTE 50	1795.2	8	14361.6	172.69	159.57	OUTSIDE SHOULDER OF MILITIA DR. ON RAMP
115.412	115.825	WB ROUTE 50	2180.64	8	17445.12	209.77	193.83	
115.825	116.080	WB ROUTE 50	1346.4					N. SHAMROCK ROAD INTERSECTION AREA
116.080	116.540	WB ROUTE 50	2428.8	8	19430.4	233.64	215.89	END OF PROJECT WB ROUTE 50
TOTAL						5665.00	5234.58	ESTIMATE FACTORS: BP-1 (PG 64-22) = 1.948 TON/CY
USE						5665.0	5235	TACK COAT (COLDMILLED) = 0.10 GAL/SY

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER PE-028654

PROFESSIONAL ENGINEER

10/07/2026 8:24:12 AM

GREGORY G. LEARY - CIVIL

MO-PE-028654

DATE PREPARED

10/7/2026

ROUTE

50

DISTRICT

CD

STATE

MO

SHEET NO.

3

COUNTY

COLE/OSAGE

JOB NO.

JCD0106

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)

2" ASPHALT RESURFACING - SP125C MIX (PG70-22)								
LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT.	WIDTH FT.	AREA SQ. FT.	2" SP125C RESURFACING PG 70-22 TONS	TACK COAT GAL	REMARKS
145.847	145.875	EB ROUTE 50	150	VARIES	5777.91	68.73	64.20	START OF PROJECT EB ROUTE 50 - MODIFIED MILLING AREA - APPROX. 641.99 SQ. YDS.
145.875	146.015	EB ROUTE 50	739.2	26	19219.2	228.61	213.55	START OF PROJECT EB ROUTE 50 - EB ROUTE 50 MAINLINE WITHOUT N. SHAMROCK RD. LEFT TURN LANE
145.875	146.037	EB ROUTE 50	855.36	VARIES	15854.85	188.59	176.17	EB ROUTE 50 N. SHAMROCK RD. LEFT TURN AREA - APPROX. 1761.65 SQ. YDS.
146.015	146.333	EB ROUTE 50	1679.04	28	47013.12	559.22	522.37	EB ROUTE 50 MAINLINE - NOT INCLUDING SHAMROCK RD. ACCEL./DECEL. LANE
146.015	146.333	EB ROUTE 50	1679.04	VARIES	43358.22	515.75	481.76	EB ROUTE 50 AND SHAMROCK RD. AND LIBERTY RD. INTERSECTION AREA - APPROX. 4817.58 SQ. YDS.
146.015	146.333	EB ROUTE 50	VARIES	VARIES	1918.89	22.83	21.32	SHAMROCK RD. AND LIBERTY RD. MODIFIED MILLING AREAS - APPROX. 213.21 SQ. YDS.
146.333	146.655	EB ROUTE 50	1700.16	30	51004.8	606.70	566.72	
146.655	146.701	EB ROUTE 50	242.88	34	8257.92	98.23	91.75	TAPER FOR MILITIA DR. DECEL. LANE - AVG. WIDTH 34 FT.
146.701	146.786	EB ROUTE 50	448.8	40	17952	213.54	199.47	EB ROUTE 50 MAINLINE WITH MILITIA DR. DECEL. LANE
146.786	146.853	EB ROUTE 50	353.76	VARIES	7880.76	93.74	87.56	EB ROUTE 50 MILITIA DR. OFF RAMP AREA - APPROX. 875.64 SQ. YDS.
146.853	146.867	EB ROUTE 50	75	22	1650	19.63	18.33	OFF RAMP MODIFIED MILLING AREA - APPROX. 183.33 SQ. YDS.
146.786	147.298	EB ROUTE 50	2703.36	30	81100.8	964.70	901.12	
147.248	147.262	EB ROUTE 50	75	22	1650	19.63	18.33	ON RAMP MODIFIED MILLING AREA - APPROX. 183.33 SQ. YDS.
147.262	147.298	EB ROUTE 50	190.08	VARIES	5365.35	63.82	59.62	EB ROUTE 50 MILITIA DR. ON RAMP AREA - APPROX. 596.15 SQ. YDS.
147.298	147.397	EB ROUTE 50	522.72	40	20908.8	248.71	232.32	EB ROUTE 50 MAINLINE WITH MILITIA DR. ACCEL. LANE
147.397	147.458	EB ROUTE 50	322.08	34	10950.72	130.26	121.67	TAPER FOR MILITIA DR. ACCEL. LANE - AVG. WIDTH 34 FT.
147.458	148.537	EB ROUTE 50	5697.12	30	170913.6	2033.02	1899.04	
148.537	149.091	EB ROUTE 50	2925.12	30	87753.6	1043.83	975.04	
148.537	148.869	EB ROUTE 50	1752.96	VARIES	34697.79	412.73	385.53	EB ROUTE 50 ROUTE M OFF RAMP AREA - APPROX. 3855.31 SQ. YDS
148.869	148.883	EB ROUTE 50	75	VARIES	2827.08	33.63	31.41	OFF RAMP MODIFIED MILLING AREA - APPROX. 314.12 SQ. YDS.
148.889	148.903	EB ROUTE 50	75	VARIES	2962.71	35.24	32.92	ON RAMP MODIFIED MILLING AREA - APPROX. 329.19 SQ. YDS.
148.903	149.091	EB ROUTE 50	992.64	VARIES	18658.71	221.95	207.32	EB ROUTE 50 ROUTE M ON RAMP AREA - APPROX. 2073.19 SQ. YDS.
149.091	149.180	EB ROUTE 50	469.92	40	18796.8	223.59	208.85	EB ROUTE 50 MAINLINE WITH ROUTE M ACCEL. LANE
149.180	149.221	EB ROUTE 50	216.48	35	7576.8	90.13	84.19	TAPER FOR ROUTE M ACCEL. LANE - AVG. WIDTH 35 FT.
149.221	149.485	EB ROUTE 50	1393.92	30	41817.6	497.42	464.64	
149.485	149.518	EB ROUTE 50	174.24	36	6272.64	74.61	69.70	TAPER FOR LISLETOWN RD. LEFT TURN - AVG. WIDTH 36 FT.
149.518	149.576	EB ROUTE 50	306.24	42	12862.08	152.99	142.91	EB ROUTE 50 WITH LISLETOWN RD. LEFT TURN LANE
149.576	149.613	EB ROUTE 50	195.36	VARIES	15807.87	188.03	175.64	LISLETOWN RD. INTERSECTION AREA - APPROX. 1756.43 SQ. YDS.
149.576	149.613	EB ROUTE 50	195.36	26	5079.36	60.42	56.44	EB ROUTE 50 MAINLINE - NOT INCLUDING LISLETOWN RD. INTERSECTION
149.613	150.837	EB ROUTE 50	6462.72	30	193881.6	2306.22	2154.24	END PROJECT EB ROUTE 50
109.125	109.278	WB ROUTE 50	807.84	28	22619.52	269.06	251.33	2" MILL/FILL EAST OF US 50/63 INTERCHANGE
110.380	110.745	WB ROUTE 50	1927.2	30	57816	687.72	642.40	START OF PROJECT WB ROUTE 50
110.745	110.781	WB ROUTE 50	190.08	36	6842.88	81.40	76.03	TAPER FOR BIG MEADOWS RD. LEFT TURN LANE - AVG. WIDTH 36 FT.
110.781	110.835	WB ROUTE 50	285.12	42	11975.04	142.44	133.06	WB ROUTE 50 MAINLINE WITH BIG MEADOWS RD. LEFT TURN LANE
110.835	110.895	WB ROUTE 50	316.8	26	8236.8	97.98	91.52	WB ROUTE 50 MAINLINE - NOT INCLUDING BIG MEADOWS RD. INTERSECTION AREA
110.835	110.895	WB ROUTE 50	316.8	VARIES	17392.68	206.89	193.25	BIG MEADOWS RD. INTERSECTION AREA - APPROX. 1932.52 SQ. YDS.
110.895	112.301	WB ROUTE 50	7423.68	30	222710.4	2649.14	2474.56	
112.301	112.375	WB ROUTE 50	390.72	26	10158.72	120.84	112.87	WB ROUTE 50 MAINLINE - NOT INCLUDING LISLETOWN RD. INTERSECTION AREA
112.375	112.565	WB ROUTE 50	1003.2	42	42134.4	501.19	468.16	WB ROUTE 50 MAINLINE WITH LISLETOWN RD. ACCEL. LANE
112.565	112.626	WB ROUTE 50	322.08	36	11594.88	137.92	128.83	TAPER FOR LISLETOWN RD. ACCEL. LANE - AVG. WIDTH 36 FT.
112.626	112.754	WB ROUTE 50	675.84	30	20275.2	241.17	225.28	
112.754	113.347	WB ROUTE 50	3131.04	30	93931.2	1117.31	1043.68	
112.754	113.016	WB ROUTE 50	1383.36	VARIES	25827.75	307.22	286.98	WB ROUTE 50 ROUTE M OFF RAMP AREA - APPROX. 2869.75 SQ. YDS.
113.016	113.030	WB ROUTE 50	75	VARIES	3224.25	38.35	35.83	OFF RAMP MODIFIED MILLING AREA - APPROX. 358.25 SQ. YDS.
113.036	113.050	WB ROUTE 50	75	VARIES	3672.09	43.68	40.80	ON RAMP MODIFIED MILLING AREA - APPROX. 408.01 SQ. YDS.
113.050	113.347	WB ROUTE 50	1568.16	VARIES	27760.14	330.21	308.45	WB ROUTE 50 ROUTE M ON RAMP AREA - APPROX. 3084.46 SQ. YDS.
113.347	113.441	WB ROUTE 50	496.32	40	19852.8	236.15	220.59	WB ROUTE 50 WITH ROUTE M ACCEL. LANE
113.441	113.477	WB ROUTE 50	190.08	35	6652.8	79.14	73.92	TAPER FOR ROUTE M ACCEL. LANE - AVG. WIDTH 35 FT.
113.477	114.535	WB ROUTE 50	5586.24	30	167587.2	1993.45	1862.08	
114.535	114.588	WB ROUTE 50	279.84	35	9794.4	116.50	108.83	TAPER FOR MILITIA DR. DECEL. LANE - AVG. WIDTH 35 FT.
114.588	114.643	WB ROUTE 50	290.4	40	11616	138.17	129.07	WB ROUTE 50 MAINLINE WITH MILITIA DR. DECEL. LANE
114.643	115.150	WB ROUTE 50	2676.96	30	80308.8	955.27	892.32	
114.643	114.704	WB ROUTE 50	322.08	VARIES	6868.8	81.70	76.32	WB ROUTE 50 MILITIA DR. OFF RAMP AREA - APPROX. 763.20 SQ. YDS.
114.704	114.718	WB ROUTE 50	75	22	1650	19.63	18.33	OFF RAMP MODIFIED MILLING AREA - APPROX. 183.33 SQ. YDS.
115.072	115.086	WB ROUTE 50	75	22	1650	19.63	18.33	ON RAMP MODIFIED MILLING AREA - APPROX. 183.33 SQ. YDS.
115.086	115.150	WB ROUTE 50	337.92	VARIES	5579.28	66.37	61.99	WB ROUTE 50 MILITIA DR. ON RAMP AREA - APPROX. 619.92 SQ. YDS.
115.150	115.380	WB ROUTE 50	1214.4	40	48576	577.81	539.73	WB ROUTE 50 MAINLINE WITH MILITIA DR. ACCEL. LANE
115.380	115.412	WB ROUTE 50	168.96	35	5913.6	70.34	65.71	TAPER FOR MILITIA DR. ACCEL. LANE - AVG. WIDTH 35 FT.
115.412	115.825	WB ROUTE 50	2180.64	30	65419.2	778.16	726.88	
115.825	116.080	WB ROUTE 50	1346.4	28	37699.2	448.43	418.88	WB ROUTE 50 MAINLINE - NOT INCLUDING N. SHAMROCK RD. INTERSECTION AREA
115.825	116.080	WB ROUTE 50	1346.4	VARIES	31496.04	374.65	349.96	WB ROUTE 50 AND N. SHAMROCK RD. INTERSECTION AREA - APPROX. 3499.56 SQ. YDS.
115.825	116.080	WB ROUTE 50	VARIES	VARIES	2699.91	32.12	30.00	N. SHAMROCK RD. MODIFIED MILLING AREA - APPROX. 299.99 SQ. YDS.
116.080	116.540	WB ROUTE 50	2428.8	30	72864	866.72	809.60	END PROJECT WB ROUTE 50
TOTAL						25243.26	23579.70	ESTIMATE FACTORS: SP125C (PG 70-22) = 1.927 TON/CY
USE						25243.3	23580	TACK COAT (COLDMILLED) = 0.10 GAL/SY

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER FE-028654

PROFESSIONAL ENGINEER

08/10/2026 2:31:17 PM

GREGORY G. LEARY - CIVIL

MO-FE-028654

DATE PREPARED
8/10/2026

ROUTE 50

STATE MO

DISTRICT CD

SHEET NO. 3

COUNTY
COLE/OSAGE

JOB NO.
JCD0106

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)

11.5" HMA OR 9.5" PCCP OPTIONAL PAVEMENT								
LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT.	WIDTH FT.	AREA SQ. FT.	OPTIONAL PAVEMENT SQYD	6" TYPE 5 AGG. BASE SQYD	REMARKS
108.828	108.831	WB ROUTE 50	15	42	630	70.00	70.00	OPTIONAL PAVEMENT EAST OF BRIDGE A4188
108.909	108.918	WB ROUTE 50	45	42	1890	210.00	210.00	OPTIONAL PAVEMENT WEST OF BRIDGE A4188
TOTAL						280.00	280.00	
USE						280.0	280.0	

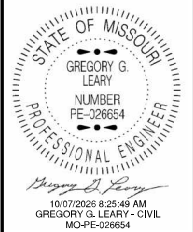
CONCRETE APPROACH PAVEMENT							
LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT.	WIDTH FT.	AREA SQ. FT.	CONCRETE APPROACH PAVEMENT SQYD	REMARKS
108.831	108.836	WB ROUTE 50	26.4	VARIES	1209.00	134.33	APPROACH PAVEMENT EAST OF BRIDGE A4188
108.904	108.909	WB ROUTE 50	26.4	VARIES	1251.28	139.03	APPROACH PAVEMENT WEST OF BRIDGE A4188
TOTAL						273.36	
USE						273.4	

TEMPORARY PAVEMENT MARKING						
LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 1 PVMT MARKING PAINT, (18-MIL, TYPE P BEADS)		REMARKS
				4" SOLID WHITE LF	4" SOLID YELLOW LF	
108.770	108.994	WB ROUTE 50	1183	1183.0	1183.0	WB 50 BRIDGE A4188 WORK - DRIVING LANE CLOSURE
108.757	108.994	WB ROUTE 50	1251	1251.0	1251.0	WB 50 BRIDGE A4188 WORK - PASSING LANE CLOSURE
TOTAL				2434.0	2434.0	
USE				4868		

PAVEMENT MARKING REMOVAL								
LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	TEMPORARY CLASS 1 PVMT MARKING PAINT, (18-MIL, TYPE P BEADS)		EXISTING PAVEMENT MARKING		REMARKS
				4" SOLID WHITE LF	4" SOLID YELLOW LF	6" SOLID WHITE LF	6" SOLID YELLOW LF	
108.770	108.994	WB ROUTE 50	1183	1183.0	1183.0			WB 50 BRIDGE A4188 WORK - DRIVING LANE CLOSURE
108.770	108.994	WB ROUTE 50	1183			1183.0		EXISTING WHITE EDGELINE
108.757	108.994	WB ROUTE 50	1251	1251.0	1251.0			WB 50 BRIDGE A4188 WORK - PASSING LANE CLOSURE
108.757	108.994	WB ROUTE 50	1251				1251.0	EXISTING YELLOW EDGELINE
TOTAL				2434.0	2434.0	1183.0	1251.0	
USE				7302				

TEMPORARY PAVEMENT MARKING PAINT
1 LUMP SUM

SUMMARY OF QUANTITIES
SHEET 5 OF 12



DATE PREPARED	
10/7/2026	
ROUTE	STATE
50	MO
DISTRICT	SHEET NO.
CD	3
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0106	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

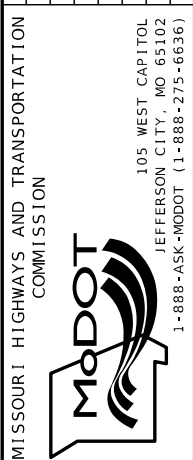
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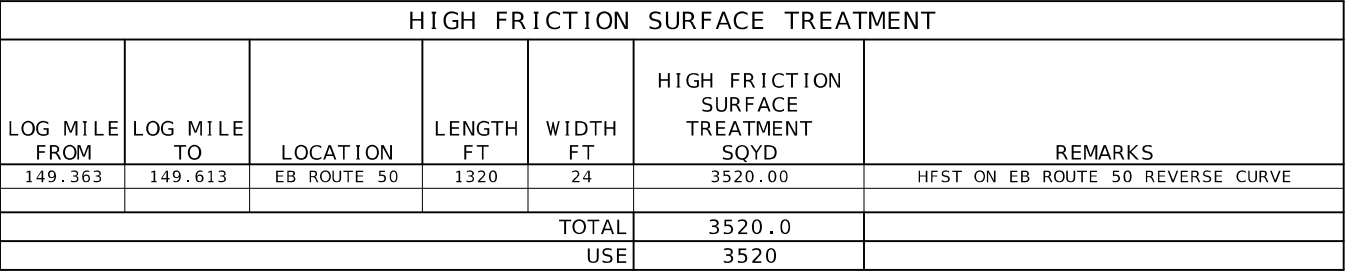
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

SUMMARY OF QUANTITIES
SHEET 6 OF 12

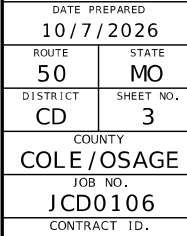




LIGHTING - CONDUIT AND CABLE										
FROM	TO	CENTER TO CENTER DISTANCE FT.	2" RIGID CONDUIT TRENCHED FT.	3" RIGID CONDUIT TRENCHED FT.	3" RIGID CONDUIT PUSHED FT.	1" CABLE CONDUIT 2c-#8 AWG FT.	TRENCHING TYPE I FT.	POLE & BRACKET CABLE 1c-#10 AWG FT.	POWER CABLE 1c-#2 AWG FT.	REMARKS
POWER SOURCE	POWER SUPPLY	40		48		56				
POWER SUPPLY	CONTROLLER	8	16						72.00	3 RUNS OF 26' #2 AWG CABLE
CONTROLLER	P.B. 1	18		21		29				
P.B. 1	P.B. 2	51			49	57				CROSS UNDERNEATH SHAMROCK RD.
P.B. 2	LUMINAIRE	119				120	119	72.00		INCLUDES LUMINAIRE POLE AND BRACKET ARM CABLE
TOTAL			16.0	69.0	49.0	262.0	119.0	72.0	72.0	
USE			16	69	49	270	119	80	80	

POWER SUPPLY ASSEMBLIES, TYPE 2 240/120 VOLT SERVICE, LIGHTING ONLY							
STATION	OFFSET	LOCATION	DRAWING 901.80 TYPE 2	CIRCUIT BREAKER TRIP RATING			
				LIGHTING CONTROLLER		POWER SUPPLY DISCONNECT MAIN BREAKER	
				CIRCUIT		SIGNALS	LIGHTING
				1+94.86	42' LT.	S. SHAMROCK RD.	1
TOTAL			1.0				

LIGHTING EQUIPMENT										
STATION	OFFSET	LOCATION	240V - 4 CIRC. BASE MOUNTED CONT. STATION EA.	BASE CONCRETE CU. YDS.	PULL BOX PREFORMED CLASS 1 EA.	POLE FOUNDATION 30' MOUNT HT. EA.	POLE 30' TYPE AT EA.	6' BRACKET ARM EA.	LUMINAIRE LED - A EA.	REMARKS
1+85.92	42' LT.	S. SHAMROCK RD.	1	1.46						
1+46.71	35' LT.	S. SHAMROCK RD.			1					PREFORMED PULL BOX TYPE 1
1+46.71	20' RT.	S. SHAMROCK RD.			1					PREFORMED PULL BOX TYPE 2
0+37.29	70' RT.	S. SHAMROCK RD.				1	1	1	1	
TOTAL			1.0	1.46	2.0	1.0	1.0	1.0	1.0	
USE			1	1.5	2	1	1	1	1	



PROJECT NO.
BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



ROUTE	STATE
50	MO

DISTRICT SHEET
CD 3

COLE / OSAG

JCD0106

PROJECT NO. _____

BRIDGE NO.

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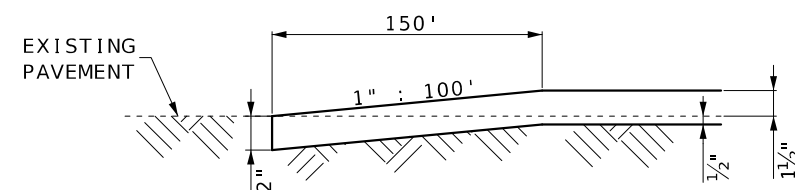
LOG MILE	LOCATION	LENGTH FT.	WIDTH FT.	FURN. & PLACE CONC. MATERIAL FOR FULL DEPTH REPAIR SY	SAWCUT (PERIMETER & INTERNAL) LF	DOWEL BARS EA	SUBGRADE COMPACTION SY	REMARKS
145.883	EB ROUTE 50	6	24	16.00	66.00	40.00	1.60	
145.965	EB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
145.976	EB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
145.988	EB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
146.259	EB ROUTE 50	8	24	21.33	72.00	10.00	2.10	
146.317	EB ROUTE 50	6	24	16.00	66.00	40.00	1.60	
146.433	EB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
146.444	EB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
146.711	EB ROUTE 50	6	24	16.00	66.00	20.00	1.60	
146.944	EB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
146.968	EB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
147.535	EB ROUTE 50	6	24	16.00	66.00	20.00	1.60	
147.886	EB ROUTE 50	6	24	16.00	66.00	20.00	1.60	
148.210	EB ROUTE 50	6	24	16.00	66.00	20.00	1.60	
148.372	EB ROUTE 50	6	24	16.00	66.00	40.00	1.60	
148.511	EB ROUTE 50	6	24	16.00	66.00	40.00	1.60	
149.104	EB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
149.139	EB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
149.768	EB ROUTE 50	6	24	16.00	66.00	40.00	1.60	
149.774	EB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
152.859	EB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
109.129	WB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
109.144	WB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
109.152	WB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
109.159	WB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
109.167	WB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
109.173	WB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
109.183	WB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
109.192	WB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
109.204	WB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
109.211	WB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
110.492	WB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
110.584	WB ROUTE 50	6	12	8.00	36.00	20.00	0.80	
111.082	WB ROUTE 50	6	24	16.00	66.00	40.00	1.60	
112.174	WB ROUTE 50	6	24	16.00	66.00	40.00	1.60	
112.820	WB ROUTE 50	6	24	16.00	66.00	40.00	1.60	
TOTAL				397.33	1692.00	870.00	39.70	
ADDITIONAL 10% FOR IRREGULARITIES				39.73	169.20	87.00	3.97	
USE				437.1	1861	957.0	44	

SUMMARY OF QUANTITIES
SHEET 11 OF 12

SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	DESCRIPTION	SIGN	SIZE	AREA	QTY	TOTAL	RELOC	RELOC	SIGN	DESCRIPTION	ITEM	TOTAL	EFFECTIVE: 07-01-2025			
IN.	sq. ft.	each	sq. ft.	each	sq. ft.	no.			IN.	sq. ft.	each	sq. ft.	each	sq. ft.	no.		NUMBER	QTY	DESCRIPTION				
WARNING SIGNS									GUIDE SIGNS														
W01-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00	1	12.00			49	GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)			
W01-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00						EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)			
W01-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00	2	24.00			55	EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)			
W01-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00	4	40.00			1	ROAD WORK NEXT X MILES (2@5,6)	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)			
W01-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00	4	32.00			26	END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)			
W01-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122017	1	IMPACT ATTENUATOR 65 MPH (SAND BARRELS)			
W01-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)			
W01-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122020	2	REPLACEMENT SAND BARREL			
W01-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00	4	24.00			54	WORK ZONE (PLAQUE)	6122030	1	IMPACT ATTENUATOR (RELOCATION)			
W01-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00						END DETOUR	6122040		WORK ZONE CRASH CUSHION (NARROW)			
W01-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6122041		WORK ZONE CRASH CUSHION (RELOCATION)			
W01-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6123001		TRUCK MOUNTED ATTENUATOR (TMA)			
W01-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161012		BUOYS (BOATS KEEP OUT)			
W01-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161013		BUOYS (NO WAKE)			
W01-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)			
W01-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161020		CHANNELIZER (DRUM-LIKE)			
W01-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161022		CHANNELIZER (CONE)			
W01-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93	2	13.86			13	YIELD	6161025	351*	CHANNELIZER (TRIM-LINE)			
W03-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161026		CHANNELIZER (VERTICAL PANEL)			
W03-2	48X48	16.00	2	32.00			40	YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161030	6*	TYPE 3 MOVEABLE BARRICADE			
W03-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	8	96.00			4/25	SPEED LIMIT 4@55, 4@65	6161033	20*	DIRECTION INDICATOR BARRICADE			
W03-4	48X48	16.00	2	32.00			11	BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161040	2*	FLASHING ARROW PANEL			
W03-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161047		TYPE 3 OBJECT MARKER			
W04-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS	6161055		SEQUENTIAL FLASHING WARNING LIGHT			
W04-1R	48X48	16.00	2	32.00				MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6161070		TUBULAR MARKER			
W04-1aL	48X48	16.00	2	32.00			6A	MERGE (LEFT)	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT	6161095		RADAR SPEED ADVISORY SYSTEM			
W04-1aR	48X48	16.00	2	32.00			6A	MERGE (RIGHT)	R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED			
W05-1	48X48	16.00	2	32.00			43	ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS	6161098A		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED			
W05-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE	6161099	3	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED			
W05-5	48X48	16.00	2	32.00			34	NARROW LANES	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM			
W06-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS			
W06-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	900		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED			
W06-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6173600D		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED			
W07-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED			
W08-1	48X48	16.00	4	64.00			7	BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)	6175010A	900	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED			
W08-2	48X48	16.00						DIP	R6-2L	24X30	5.00						ONE WAY (LEFT)	6175011B		RELOCATING TEMP. TRAFFIC BARRIER			
W08-3	48X48	16.00						PAVEMENT ENDS	R6-2R	24X30	5.00						ONE WAY (RIGHT)	6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS			
W08-4	48X48	16.00						SOFT SHOULDER	R9-9	24X12	2.00						SIDEWALK CLOSED	6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT			
W08-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE	6208064A		TEMPORARY RAISED PAVEMENT MARKER			
W08-6	48X48	16.00						TRUCK CROSSING	R10-6	24X36	6.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	9029400		TEMPORARY TRAFFIC SIGNALS			
W08-6c	48X48	16.00						TRUCK ENTRANCE	R11-2	48X30	10.00	2	20.00			29	STOP HERE ON RED (45^ ARROW)	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING			
W08-7	36X36	9.00						LOOSE GRAVEL	R11-3a	60X30	12.50						ROAD CLOSED	NOTE: ALL TRAFFIC CONTROL ITEMS ARE INCLUDED IN PAY ITEM 619-99.01, LUMP SUM TEMPORARY TRAFFIC CONTROL, UNLESS NOTED OTHERWISE IN THE PLANS. THESE QUANTITIES ARE ONLY AN ESTIMATE AND ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS.					
W08-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL	R11-4	60X30	12.50						ROAD CLOSED XX MILES AHEAD						
W08-9	48X48	16.00						LOW SHOULDER	CONST-3A	60X48	20.00						LOCAL TRAFFIC ONLY						
W08-11	48X48	16.00	24	384.00			9	UNEVEN LANES	CONST-3X	56X12	4.67						ROAD CLOSED TO THRU TRAFFIC						
W08-12	48X48	16.00						NO CENTER LINE	MISCELLANEOUS SIGNS														
W08-15	48X48	16.00						GROOVED PAVEMENT	CONST-5	48X36	12.00						POINT OF PRESENCE						
W08-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	CONST-5	96X48	32.00	2	64.00			57	POINT OF PRESENCE						
W08-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	CONST-7	72X36	18.00						RATE OUR WORK ZONE						
W08-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)	CONST-8	48X36	12.00	4	48.00			33	WORK ZONE NO PHONE ZONE						
W08-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)															
W10-1	42RND.	9.62						RAILROAD CROSSING															
W012-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)															
W012-2	48X48	16.00						LOW CLEARANCE (SYMBOL)															
W012-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)															
W012-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)															
W012-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD															
W012-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD															
W013-1	30X30	6.25						ADVISORY SPEED (PLAQUE)															
W016-2	30X24	5.00						XXX FEET (PLAQUE)															
W016-3	30X24	5.00						X MILE (PLAQUE)															
W020-1	48X48	16.00	14	224.00			2	ROAD/BRIDGE/RAMP WORK AHEAD															
W020-2	48X48	16.00						DETOUR AHEAD															
W020-3	48X48	16.00	4	64.00			20	ROAD CLOSED AHEAD	616-10.05														
W020-4	48X48	16.00						ONE LANE ROAD AHEAD	CONSTRUCTION SIGNS									TOTAL					
W020-5	48X48	16.00	4	64.00			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD	616-10.10									TOTAL					
W020-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	RELOCATED SIGNS														
W020-6a	48X48	16.00	5	80.00			6	RIGHT/CENTER/LEFT LANE CLOSED															
W020-7a	48X48	16.00	2	32.00			8	FLAGGER (SYMBOL)															
W021-2	36X36	9.00						FRESH OIL															
W021-5	48X48	16.00	2	32.00			21	SHOULDER WORK / SHOULDER WORK AHEAD															
W022-1	48X48	16.00						BLASTING ZONE AHEAD															
W022-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE															
W022-3	42X36	10.50						END BLASTING ZONE															
GO22-1	21X15	2.19	4	8.76				WET PAINT (ARROW PIVOTS)															

6169901	1	LUMP SUM TEMPORARY TRAFFIC CONTROL (*ITEM INCLUDED)
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SUMMARY OF QUANTITIES
SHEET 12 OF 12

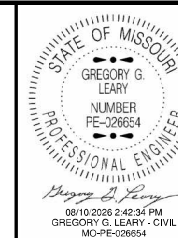


2" TO 1 1/2" SECTION A-A
MODIFIED COLDMILLING



START EB ROUTE 50
END WB ROUTE 50

SPECIAL SHEET
1 OF 8



DATE PREPARED
8/10/2026

ROUTE	STATE
50	MO

DISTRICT	SHEET NO.
CD	4

CD	4
COUNTY	
COLE / OSAG	

JOB NO.
LCD0106

CONTRACT ID.

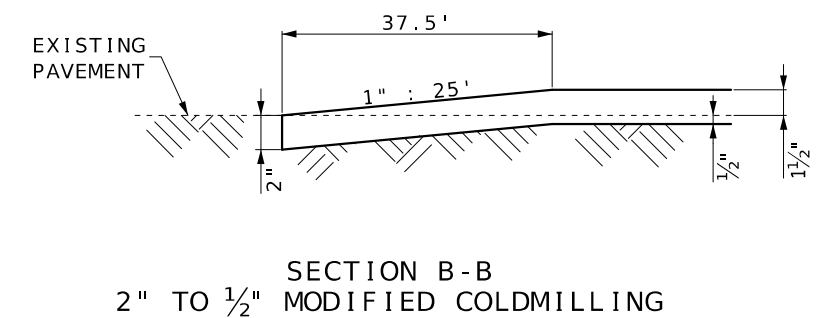
PROJECT NO.

BRIDGE NO.

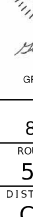
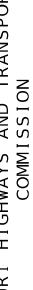
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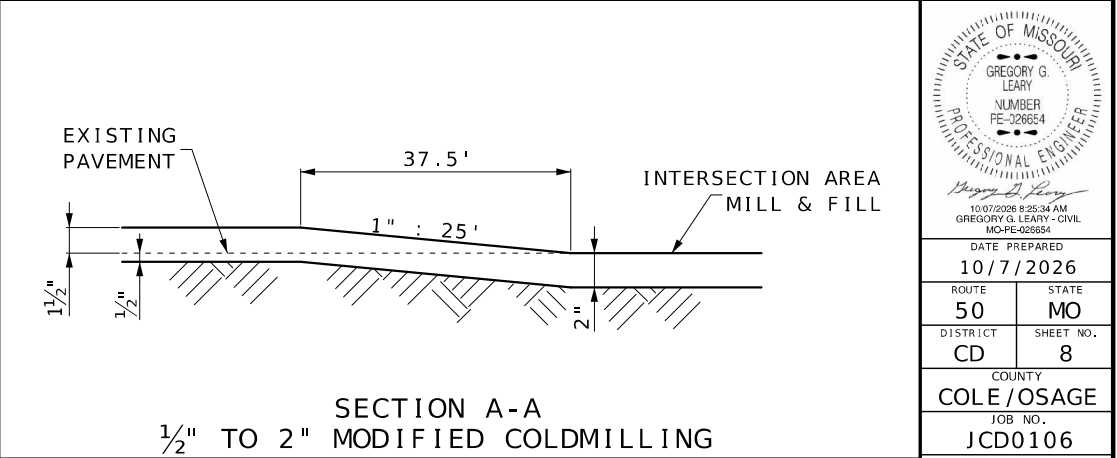

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO. 65102





SPECIAL SHEET
2 OF 8

 GREGORY G. LEARY NUMBER FE-326654 PROFESSIONAL ENGINEER <i>Gregory G. Leary</i> 08/10/2026 2:41:45 PM GREGORY G. LEARY - CIVIL MO-FE-028554	
DATE PREPARED 8/10/2026	
ROUTE 50	STATE MO
DISTRICT CD	SHEET NO. 5
COUNTY COLE/OSAGE	
JOB NO. JCD0106	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
	
105 WEST CAPITAL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	

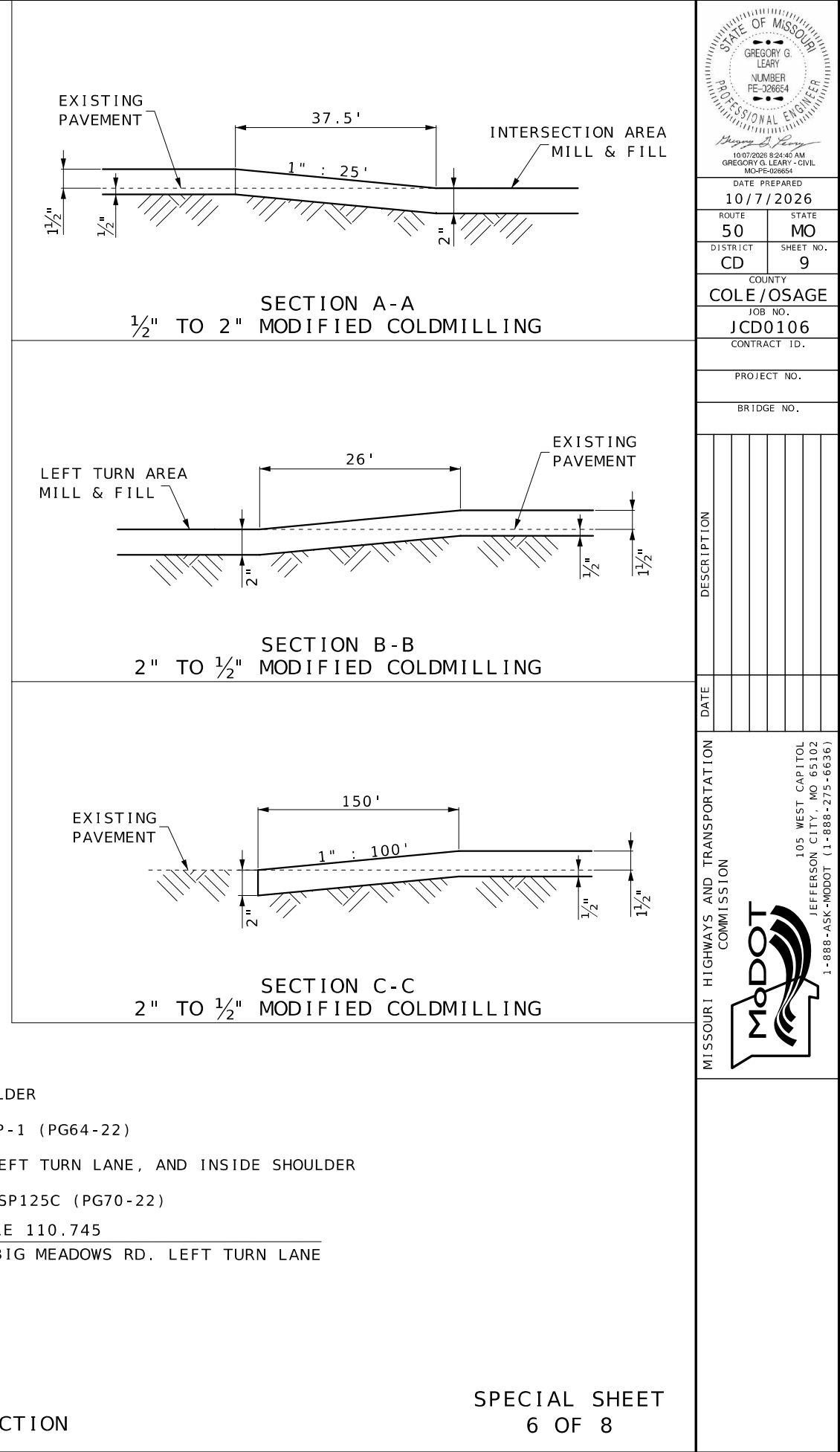
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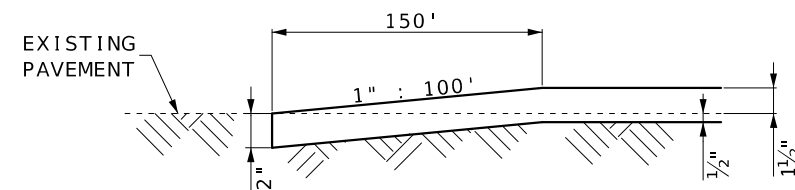
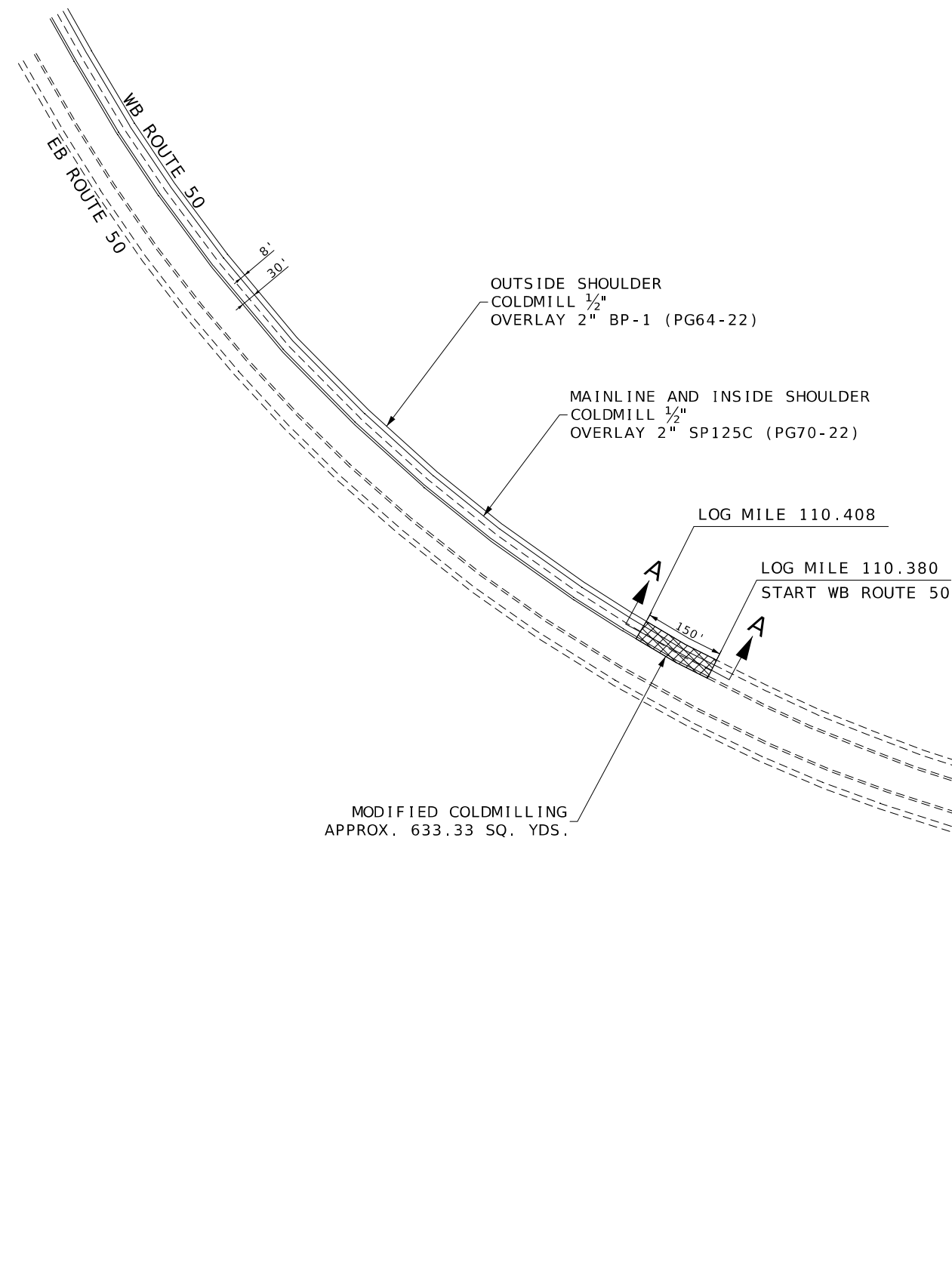
NOT TO SCALE

- | | |
|---|---|
|  | 1/2" SCRATCH MILL AND 2" SP125C RESURFACING |
|  | 2" MILL AND 2" BP-1 RESURFACING |
|  | 2" MILL AND 3 1/2" to 2" BP-1 RESURFACING |
|  | HIGH FRICTION SURFACE TREATMENT |

EB ROUTE 50 HIGH FRICTION SURFACE TREATMENT

SPECIAL SHEET
5 OF 8





SECTION A-A
2" TO 1/2" MODIFIED COLDMILLING

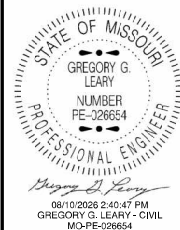
NOT TO SCALE



MODIFIED COLDMILLING

START WB ROUTE 50

SPECIAL SHEET
7 OF 8



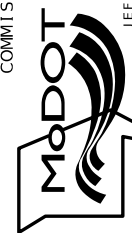
DATE PREPARED 8/10/2026	
ROUTE 50	STATE MO
DISTRICT CD	SHEET NO. 10
COUNTY COLE/OSAGE	
JOB NO. JCD0106	
CONTRACT ID.	

PROJECT NO.

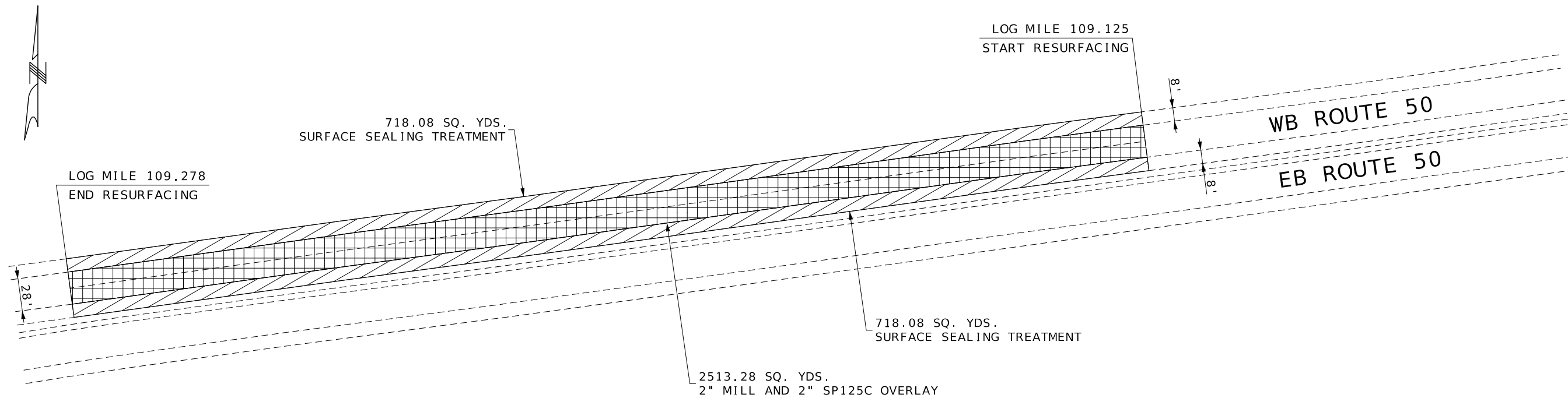
BRIDGE NO.

DESCRIPTION	DATE

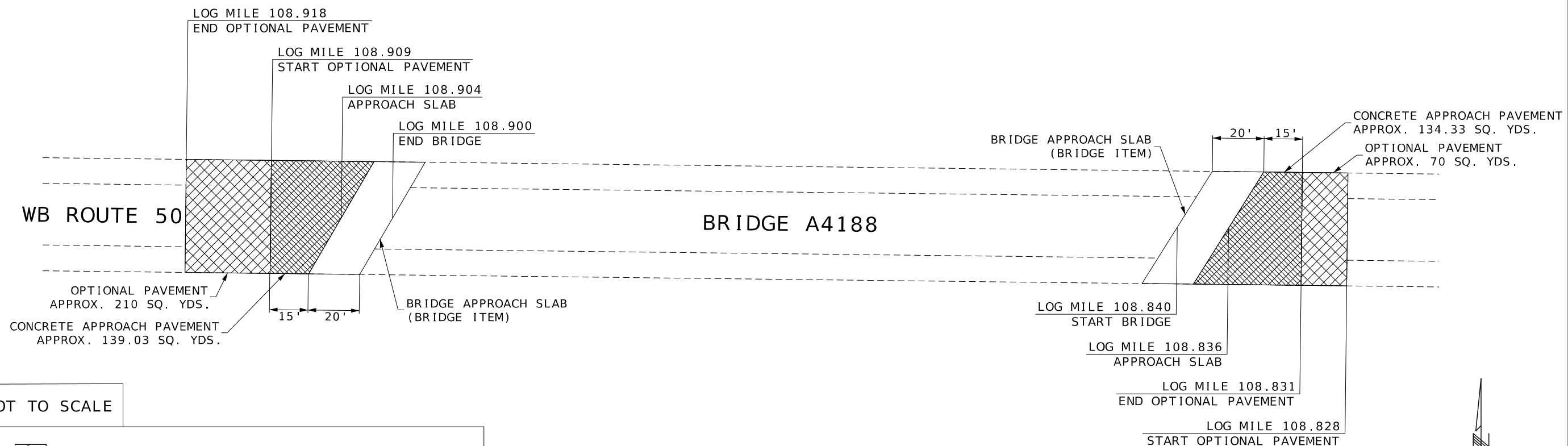
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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



OSAGE COUNTY RESURFACING

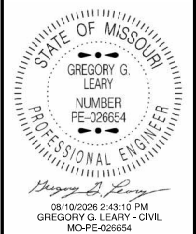


NOT TO SCALE

-  SURFACE SEALING TREATMENT
-  2" MILL AND 2" SP125C RESURFACING
-  CONCRETE APPROACH PAVEMENT
-  OPTIONAL PAVEMENT

BRIDGE A4188 APPROACHES

SPECIAL SHEET
8 OF 8



DATE PREPARED 8/10/2026	
ROUTE 50	STATE MO
DISTRICT CD	SHEET NO. 11
COUNTY COLE/OSAGE	
JOB NO. JCD0106	
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)



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

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

ROAD WORK
NEXT XX MILES

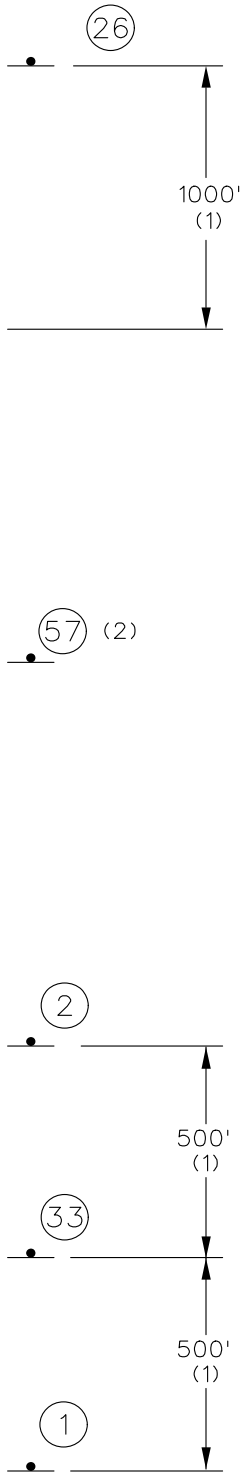
G020-1
①
XX = 6 FOR WB ROUTE 50
XX = 5 FOR EB ROUTE 50

END
ROAD WORK

G020-2
②6

WORK ZONE
NO PHONE
ZONE

CONST-8
③3 (6)



MULTI-LANE DIVIDED
BEGIN/END OF PROJECT SIGNING

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3) (T2)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER (T1)	BUFFER LENGTH FT. (B)	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'*	40'*
40-45	450'	495'	540'	150'	400'	40'*	80'*
50-55	550'	605'	660'	185'	560'	50'**	80'**
60-70	700'	770'	840'	235'	840'	60'**	120'**

* SPACING REDUCED TO 1/2 AT INTERSECTIONS.
** SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.



W020-1
②



CONST-5-96 (3)
⑤7

NOTES:

SIGN G020-1 IS REQUIRED PER EPG 616.2.3.

SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-5-96 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-72 OR CONST-7-48.

(3) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(4)THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

ALL SIGNS ON THIS SHEET ARE CONSIDERED PERMANENT FOR THE DURATION OF THIS PROJECT.

CHANGEABLE MESSAGE SIGNS TO BE LOCATED AS APPROVED BY THE ENGINEER.

LAYOUT IS TYPICAL FOR EITHER DIRECTION.

TEMPORARY TRAFFIC CONTROL SHEET
BEGIN / END PROJECT
MULTI-LANE DIVIDED
SHEET 1 OF 10

STATE OF MISSOURI
GREGORY G. LEARY
NUMBER
PE-026654
PROFESSIONAL ENGINEER
08/10/2026 2:42:23 PM
GREGORY G. LEARY - CIVIL
MO-PE-026654

DATE PREPARED
8/10/2026

ROUTE
50

DISTRICT
CD

COUNTY
COLE / OSAGE

JOB NO.
JCD0106

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

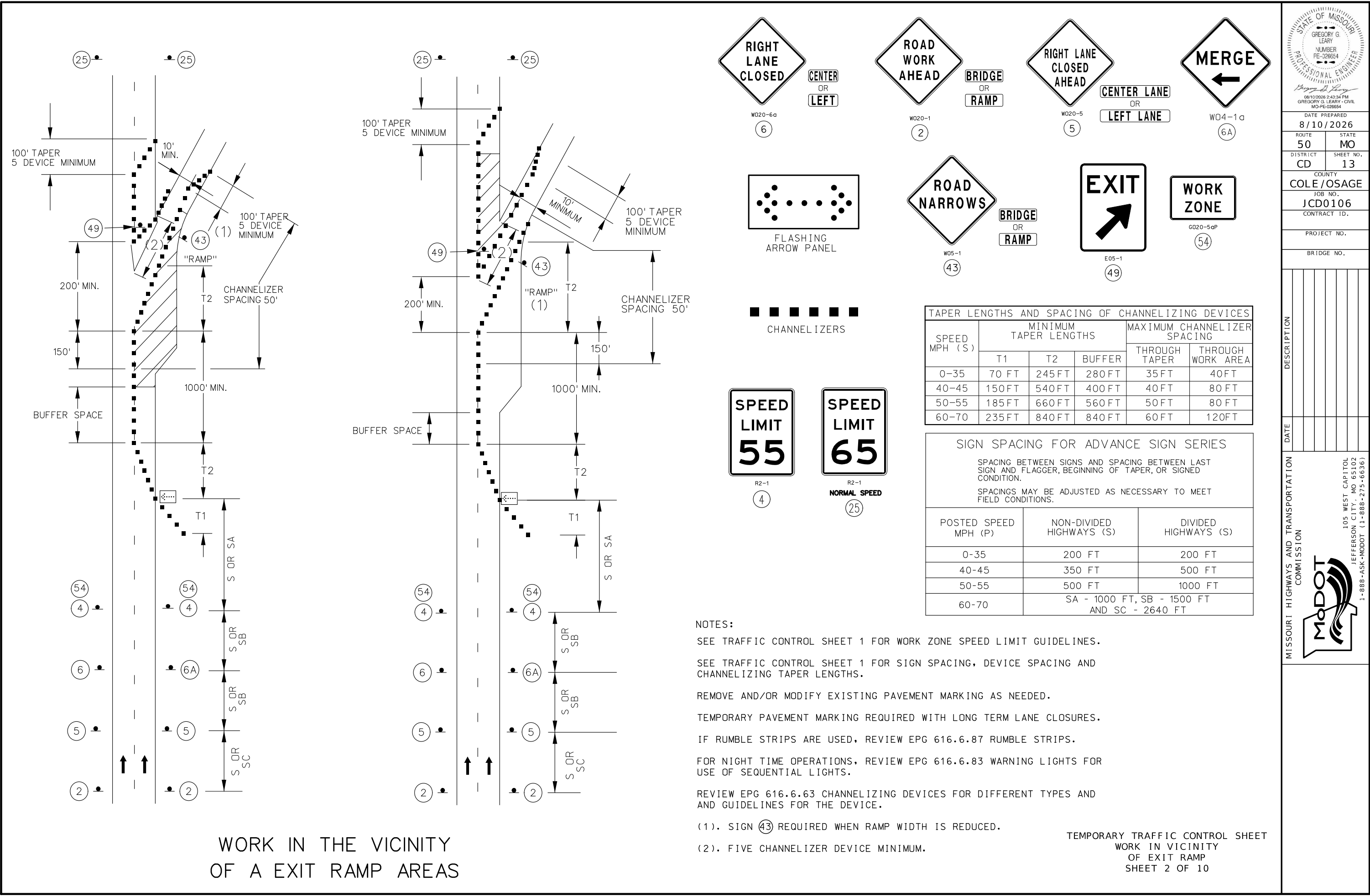
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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



WORK IN THE VICINITY
OF A EXIT RAMP AREAS

RIGHT
LANE
CLOSED

W020-6a

6

CENTER
OR
LEFT

ROAD
WORK
AHEAD

W020-1

2

BRIDGE
OR
RAMP

RIGHT LANE
CLOSED
AHEAD

W020-5

5

CENTER LANE
OR
LEFT LANE

MERGE

W04-1a

6A

FLASHING
ARROW PANEL

ROAD
NARROWS

W05-1

43

BRIDGE
OR
RAMP

EXIT

E05-1

49

WORK
ZONE

G020-5aP

54

SPEED MPH (S)	MINIMUM TAPER LENGTHS			MAXIMUM CHANNELIZER SPACING	
	T1	T2	BUFFER	THROUGH TAPER	THROUGH WORK AREA
0-35	70 FT	245 FT	280 FT	35 FT	40 FT
40-45	150 FT	540 FT	400 FT	40 FT	80 FT
50-55	185 FT	660 FT	560 FT	50 FT	80 FT
60-70	235 FT	840 FT	840 FT	60 FT	120 FT

SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION. SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
POSTED SPEED MPH (P)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	SA - 1000 FT, SB - 1500 FT AND SC - 2640 FT	

- NOTES:
- 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.
- REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.
- FOR NIGHT TIME OPERATIONS, REVIEW EPG 616.6.83 WARNING LIGHTS FOR USE OF SEQUENTIAL LIGHTS.
- REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICE.

- (1). SIGN 43 REQUIRED WHEN RAMP WIDTH IS REDUCED.
- (2). FIVE CHANNELIZER DEVICE MINIMUM.

STATE OF MISSOURI
GREGORY G. LEARY
NUMBER
PE-326654
PROFESSIONAL ENGINEER
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GREGORY G. LEARY - CIVIL
MO-PE-326654

DATE PREPARED
8/10/2026

ROUTE
50

DISTRICT
CD

STATE
MO

SHEET NO.
13

COUNTY
COLE/OSAGE

JOB NO.
JCD0106

CONTRACT ID.

PROJECT NO.

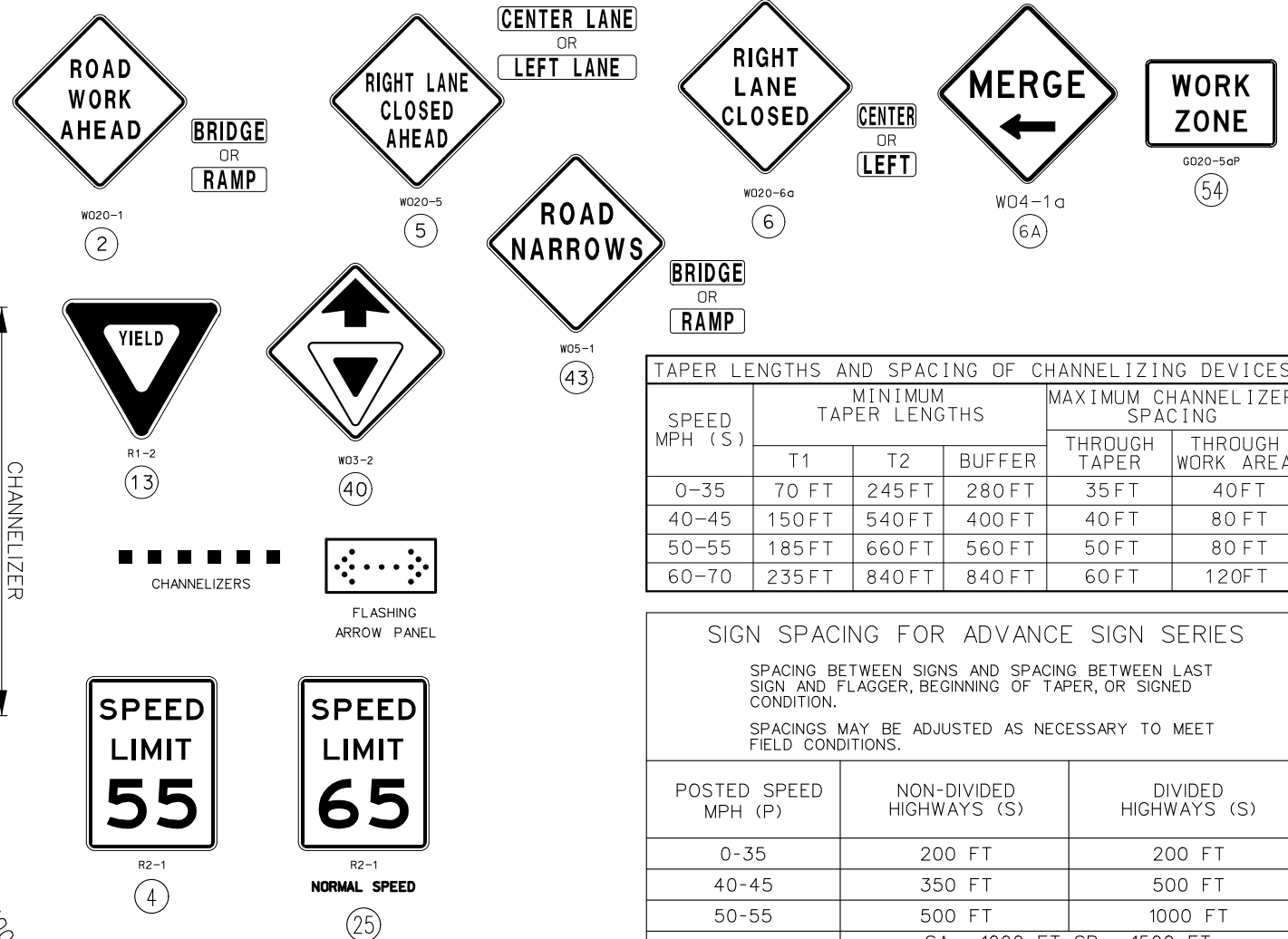
BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

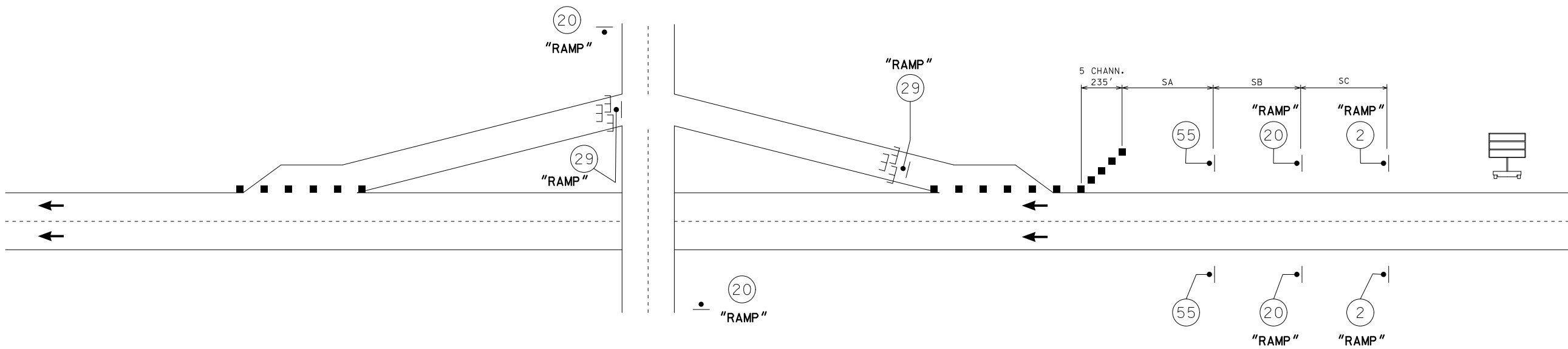
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



TEMPORARY TRAFFIC CONTROL SHEET
WORK IN VICINITY OF
ENTRANCE RAMP
SHEET 3 OF 10

TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES					
SPEED MPH (S)	MINIMUM TAPER LENGTHS			MAXIMUM CHANNELIZER SPACING	
	T1	T2	BUFFER	THROUGH TAPER	THROUGH WORK AREA
0-35	70 FT	245FT	280FT	35FT	40FT
40-45	150FT	540FT	400FT	40FT	80 FT
50-55	185FT	660FT	560FT	50FT	80 FT
60-70	235FT	840FT	840FT	60FT	120FT

SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.		
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
POSTED SPEED MPH (P)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	SA - 1000 FT, SB - 1500 FT AND SC - 2640 FT	



STATIONARY WORK ON FULL
RAMP CLOSURE



SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.		
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
POSTED SPEED MPH (P)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	SA - 1000 FT, SB - 1500 FT AND SC - 2640 FT	

SPEED MPH (S)	MINIMUM TAPER LENGTHS			MAXIMUM CHANNELIZER SPACING	
	T1	T2	BUFFER	THROUGH TAPER	THROUGH WORK AREA
0-35	70 FT	245 FT	280 FT	35 FT	40 FT
40-45	150 FT	540 FT	400 FT	40 FT	80 FT
50-55	185 FT	660 FT	560 FT	50 FT	80 FT
60-70	235 FT	840 FT	840 FT	60 FT	120 FT

NOTES:

LAYOUT TYPICAL FOR RAMPS IN EITHER DIRECTION.

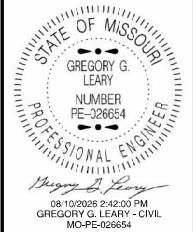
SIGN ② NOT NEEDED IF LOCATED WITHIN LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN ② IS ALREADY USED.

TWO TYPE B WARNING LIGHTS SHALL BE MOUNTED TO EACH TYPE III MOVEABLE BARRICADE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◀ DIRECTION INDICATOR BARRICADE WITH SEQ. FLASHING WARNING LIGHTS
- CHANNELIZER
- ⌈ BARRICADE
- ⌈ CHANGEABLE MESSAGE BOARD

TEMPORARY TRAFFIC CONTROL SHEET
STATIONARY WORK ON
FULL CLOSED RAMP
SHEET 4 OF 10

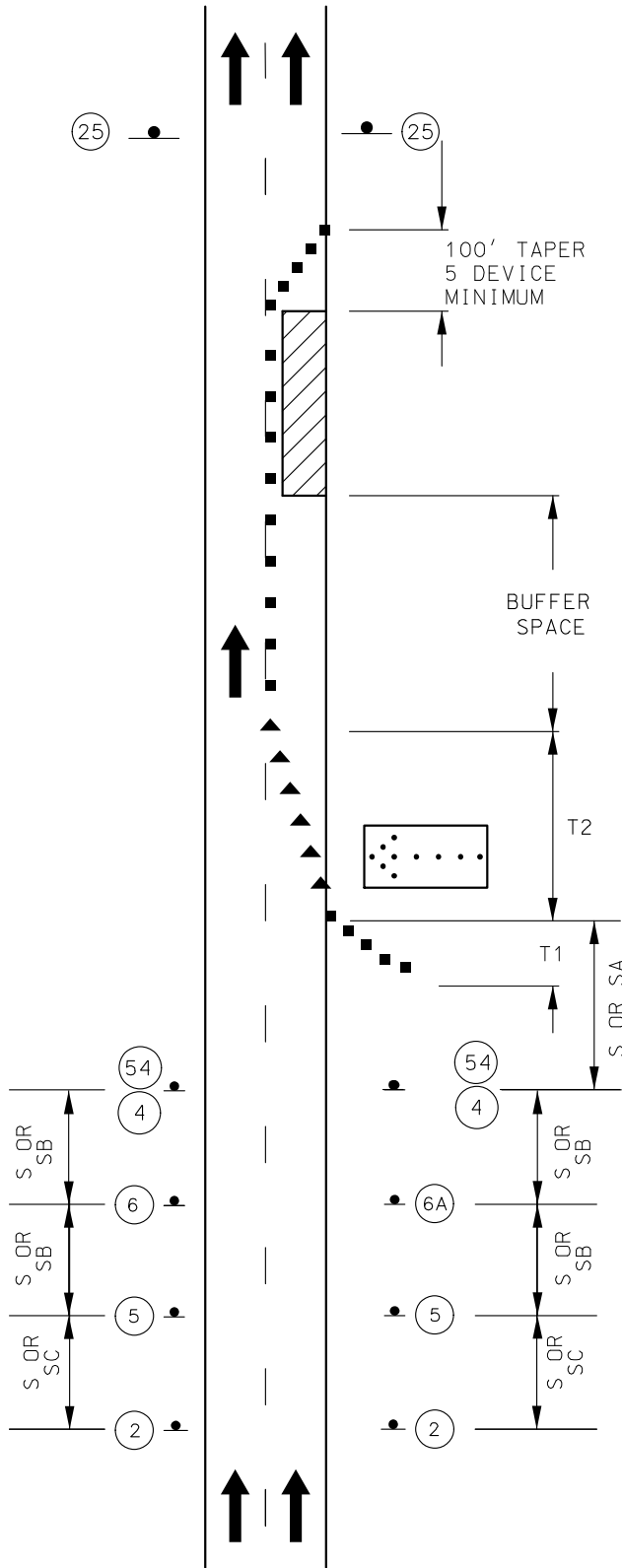


DATE PREPARED 8/10/2026	
ROUTE 50	STATE MO
DISTRICT CD	SHEET NO. 15
COUNTY COLE/OSAGE	
JOB NO. JCD0106	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE





STATIONARY LANE CLOSURE
DIVIDED HIGHWAY
616.8.33 (TA-33)

BRIDGE
OR
RAMP
W025-6

ROAD
WORK
AHEAD
W020-1
2

CENTER
LANE
CLOSED
AHEAD
W020-5
5

LEFT
OR
RIGHT

RIGHT
LANE
CLOSED
W020-6a
6

CENTER
OR
LEFT

SPEED
LIMIT
55
R2-1
4

SPEED
LIMIT
65
R2-1
NORMAL SPEED
25

WORK
ZONE
G020-5aP
54

MERGE
W04-1a
6A

SPEED MPH (S)	MINIMUM TAPER LENGTHS			MAXIMUM CHANNELIZER SPACING	
	T1	T2	BUFFER	THROUGH TAPER	THROUGH WORK AREA
0-35	70 FT	245 FT	280 FT	35 FT	40 FT
40-45	150 FT	540 FT	400 FT	40 FT	80 FT
50-55	185 FT	660 FT	560 FT	50 FT	80 FT
60-70	235 FT	840 FT	840 FT	60 FT	120 FT

SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.		
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
POSTED SPEED MPH (P)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	SA - 1000 FT, SB - 1500 FT AND SC - 2640 FT	

LONGITUDINAL BUFFER SPACE	
POSTED SPEED PRIOR TO CONSTRUCTION	LENGTH
≤ 35 MPH	280 FT
40-45 MPH	400 FT
50-55 MPH	560 FT
60-70 MPH	840 FT

NOTES:

LAYOUTS ARE TYPICAL FOR EITHER LANE IN EITHER DIRECTION.

SIGN 2 NOT NEEDED IF LOCATED WITHIN LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.

MAXIMUM WORK ZONE LENGTH 2 MILES

WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE ADDITIONAL TTC DEVICES SHALL BE PLACED AS NEEDED.

REVIEW EPG 616.6 WHEN SEQUENTIAL OR WARNING LIGHTS SHOULD BE USED ON NIGHTTIME OPERATIONS.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- DIRECTIONAL INDICATOR
BARRICADE WITH SEQUENTIAL
FLASHING WARNING LIGHTS
- CHANNELIZER
- ▨

WORK ZONE
- ...

FLASHING ARROW PANEL

STATE OF MISSOURI
GREGORY G. LEARY
NUMBER
PE-028654
PROFESSIONAL ENGINEER
08/10/2026 2:43:21 PM
GREGORY G. LEARY - CIVIL
MO-PE-028654

DATE PREPARED
8/10/2026

ROUTE
50

DISTRICT
CD

STATE
MO

SHEET NO.
16

COUNTY
COLE / OSAGE

JOB NO.
JCD0106

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

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER

PE-026654

PROFESSIONAL ENGINEER

Gregory G. Leary

08/10/2026 2:42:47 PM

GREGORY G. LEARY - CIVIL

MO-PE-026654

DATE PREPARED

8/10/2026

ROUTE

50

STATE

MO

DISTRICT

CD

SHEET NO.

17

COUNTY

COLE/OSAGE

JOB NO.

JCD0106

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

NOTES:

LAYOUTS ARE TYPICAL FOR EITHER LANE IN EITHER DIRECTION.

SIGN ② NOT NEEDED IF LOCATED WITHIN LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN ② IS ALREADY USED.

MAXIMUM WORK ZONE LENGTH 2 MILES

SPEED MPH (S)	MINIMUM TAPER LENGTHS			MAXIMUM CHANNELIZER SPACING	
	T1	T2	BUFFER	THROUGH TAPER	THROUGH WORK AREA
0-35	70 FT	245 FT	280 FT	35 FT	40 FT
40-45	150 FT	540 FT	400 FT	40 FT	80 FT
50-55	185 FT	660 FT	560 FT	50 FT	80 FT
60-70	235 FT	840 FT	840 FT	60 FT	120 FT

SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.		
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
POSTED SPEED MPH (P)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	SA - 1000 FT, SB - 1500 FT AND SC - 2640 FT	

TRAFFIC CONTROL LEGEND

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

TEMPORARY TRAFFIC CONTROL SHEET
STATIONARY LANE CLOSURE
ON DIVIDED HIGHWAY
SHEET 6 OF 10

NO TRAVELWAY ENCROACHMENT
DIVIDED HIGHWAY

MINOR TRAVELWAY ENCROACHMENT
DIVIDED HIGHWAY



A CMS AND/OR ALTERNATE ROUTE SIGNING SHOULD BE USED IN ADDITION TO THIS SIGNING.

A white rectangular speed limit sign with a black border. The text "SPEED" and "LIMIT" are in black, sans-serif, uppercase letters. Below them, the number "65" is in a large, bold, black, sans-serif font.

25

TEMPORARY TRAFFIC BARRIER		

Diagram illustrating the plan view of Bridge A4188 and its approach, showing construction details and traffic control measures.

Dimensions and Tapering:

- 100' TAPER (5 DEVICE MINIMUM)
- 300' BUFFER SPACE
- 280' (1)
- 350' NO TAPER

Bridge and Approach:

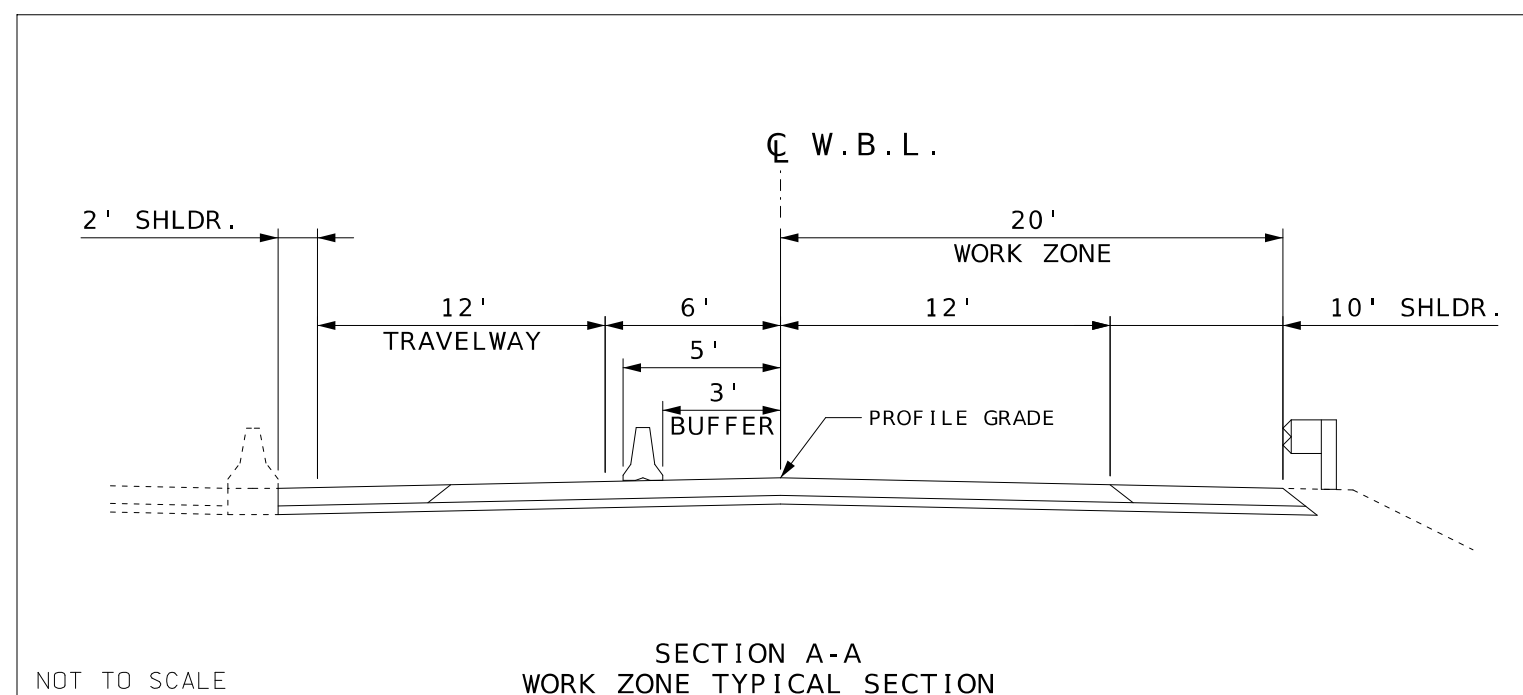
- BRIDGE A4188
- WB 50 (Westbound 50)
- LOG MILE 108.770
- START TAPER

Construction Details:

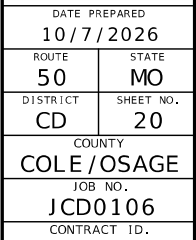
- WHITE TEMPORARY EDGE LINE
- CONCRETE BARRIER
- REMOVE EXISTING EDGE LINE
- YELLOW TEMPORARY EDGE LINE
- IMPACT ATTENUATOR

Traffic Control:

- SEE TRAFFIC CONTROL SHEET 3 FOR TRAFFIC CONTROL IN VICINITY OF ENTRANCE RAMP



LANE SHIFT TO THE INSIDE
AT WB 50 BRIDGE A4188
SHEET 9 OF 10

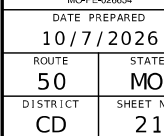


PROJECT NO.
BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



JOB NO.
JCD0106

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

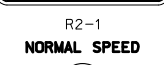
DATE	DESCRIPTION


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

--	--



FOR LONG-TERM LANE CLOSURES ON FACILITIES WITH PERMANENT EDGE LINES, A TEMPORARY EDGE LINE SHOULD BE INSTALLED FROM THE UPSTREAM END OF THE MERGING TAPER TO THE DOWNSTREAM END OF THE DOWNSTREAM TAPER, AND CONFLICTING PAVEMENT MARKINGS SHOULD BE REMOVED.



25

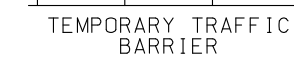
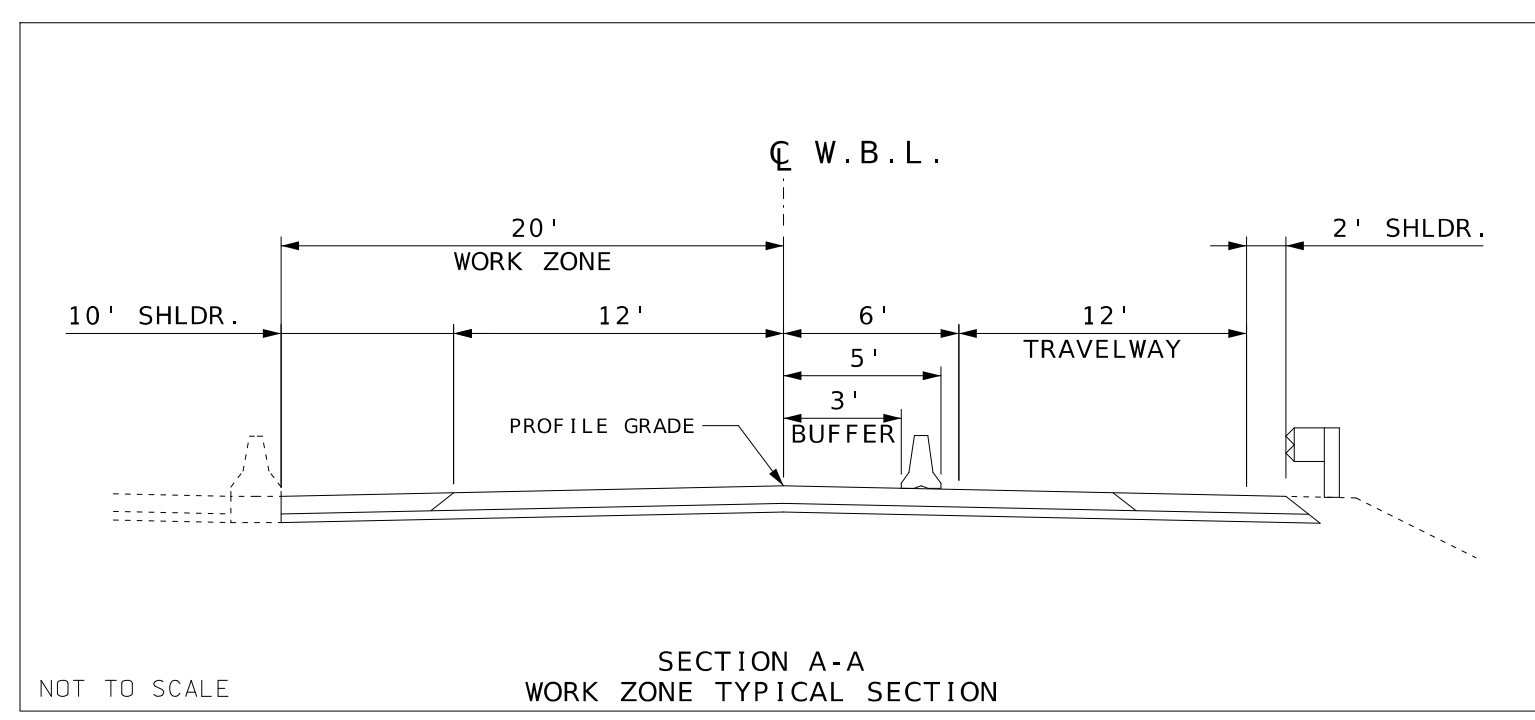


Diagram illustrating the plan view of Bridge A4188, showing the proposed construction details and traffic flow. The diagram includes the following elements:

- 100' TAPER** and **300' BUFFER SPACE** dimensions.
- 5 DEVICE MINIMUM** requirement.
- WHITE TEMPORARY EDGE LINE** and **YELLOW TEMPORARY EDGE LINE** markings.
- CONCRETE BARRIER** and **IMPACT ATTENUATOR** details.
- REMOVE EXISTING EDGE LINE** instruction.
- LOG MILE 108.757** and **LOG MILE 108.770** markers.
- WB 50** (Westbound 50) traffic flow indicators.
- 350' (1)** dimension for the impact attenuator section.



LANE SHIFT TO THE OUTSIDE
AT WB 50 BRIDGE A4188
SHEET 10 OF 10

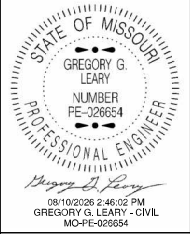


LIGHTING LEGEND	
P.S. POWER SOURCE	
	LIGHTING CONTROLLER
	POWER SUPPLY
	PREFORMED PULL BOX TYPE 1
	PREFORMED PULL BOX TYPE 2
	CONDUIT PUSHED
	CONDUIT TRENCHED
	CABLE - CONDUIT
	30' TYPE A LED LUMINAIRE W/ 6' BRACKET ARM

NOTE:
(1) PULL BOXES SHOULD BE OFFSET A MINIMUM OF 2' FROM EOP

NOT TO SCALE

LIGHTING SHEET
1 OF 1



DATE PREPARED	
8/10/2026	
ROUTE	STATE
50	MO
DISTRICT	SHEET NO.
CD	22
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0106	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

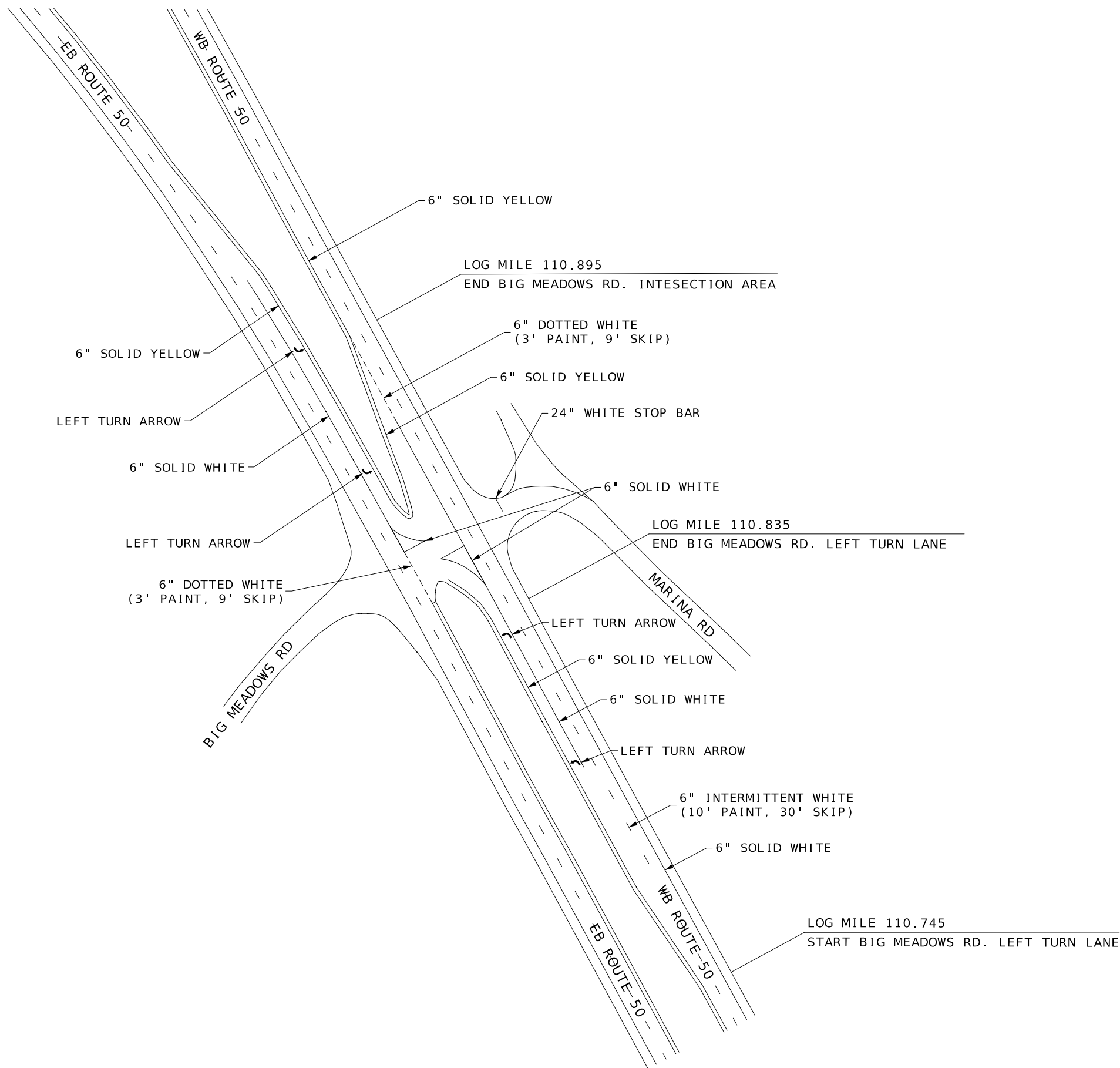
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



PAVEMENT MARKING SHEET
4 OF 6

[illegible]



NOT TO SCALE

MARINA ROAD INTERSECTION

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER
PE-026654

PROFESSIONAL ENGINEER



08/10/2026 2:48:38 PM
GREGORY G. LEARY - CIVIL
MO-PE-026654

DATE PREPARED
8/10/2026

ROUTE
50

DISTRICT
CD

STATE
MO

SHEET NO.
27

COUNTY
COLE/OSAGE

JOB NO.
JCD0106

CONTRACT ID.

PROJECT NO.

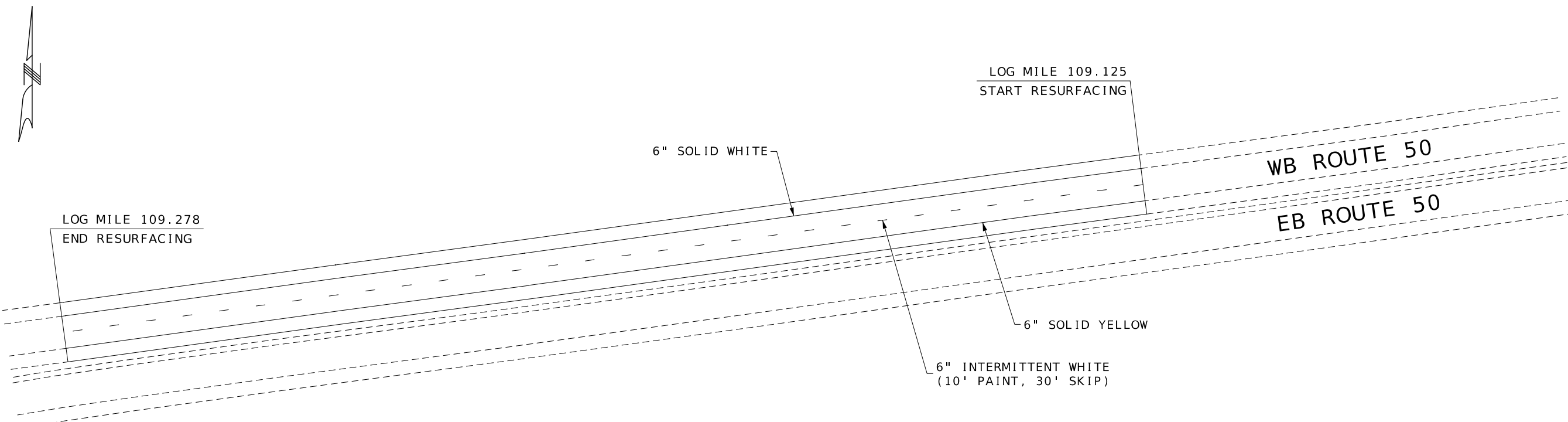
BRIDGE NO.

DESCRIPTION	DATE

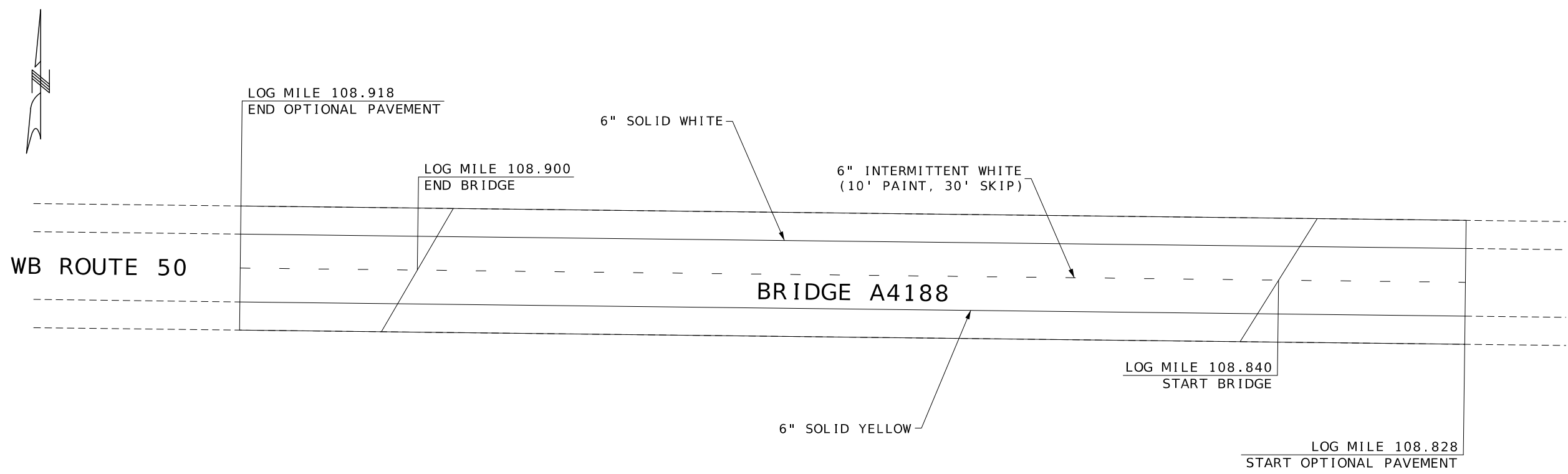
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

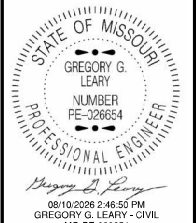


OSAGE COUNTY SECTION



NOT TO SCALE

BRIDGE A4188 APPROACHES



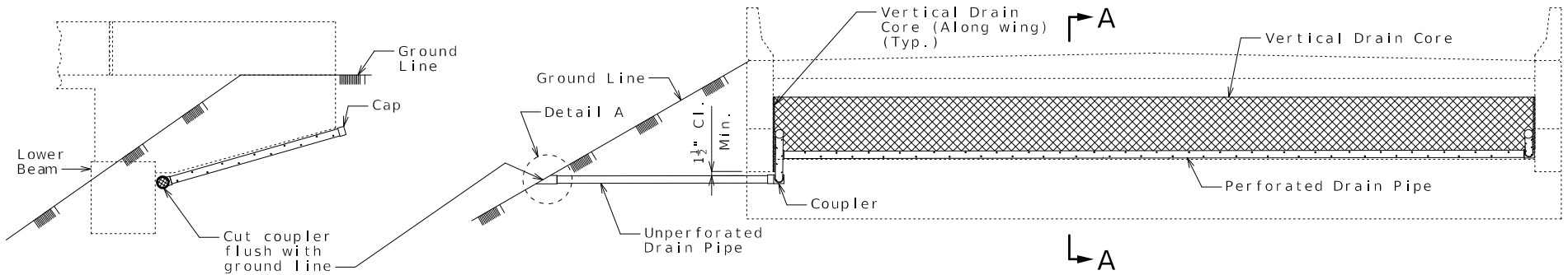
DATE PREPARED 8/10/2026	
ROUTE 50	STATE MO
DISTRICT CD	SHEET NO. 28
COUNTY COLE/OSAGE	
JOB NO. JCD0106	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

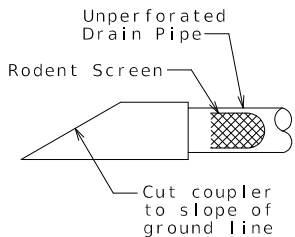
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

U.I.P. AND REHABILITATE EXISTING (91'-120'-91')
CONTINUOUS COMPOSITE PLATE GIRDER SPANS (SKEW: 30° L.A.)

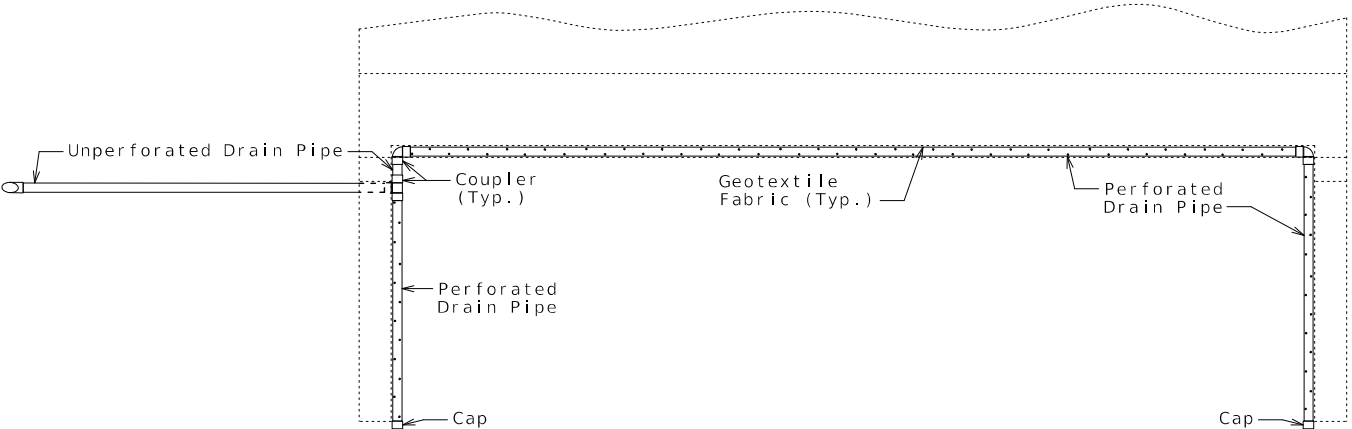


ELEVATION OF WING

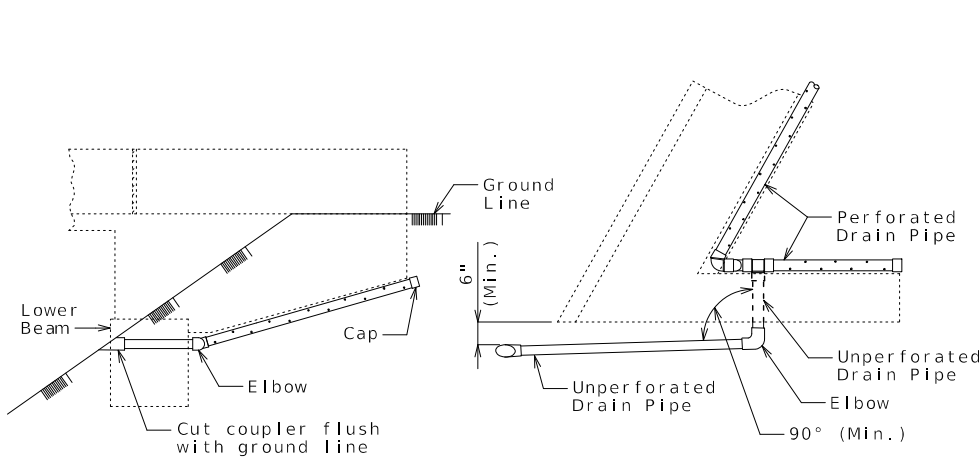
ELEVATION OF END BENT



DETAIL A



PLAN OF END BENT

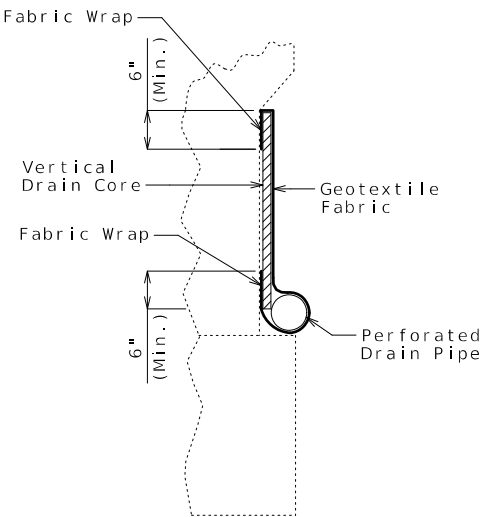


ELEVATION OF WING

PART PLAN

OPTIONAL TURNED DRAIN

(Use only when straight drain is not practical.)



PART SECTION A-A

(Section thru wing similar)

Vertical Drain Notes:

All drain pipe shall be sloped 1 to 2 percent.

Drain pipe may be either 6-inch diameter corrugated metallic-coated steel pipe underdrain, 4-inch diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4-inch diameter corrugated polyethylene (PE) drain pipe.

Drain pipe shall be placed at fill face of end bent and inside face of wings. The pipe shall slope to lowest grade of ground line, also missing the lower beam of end bent by a minimum of 1 1/2 inches.

Perforated pipe shall be placed at fill face side and inside face of wings at the bottom of end bent and plain pipe shall be used where the vertical drain ends to the exit at ground line.

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications

Miscellaneous:

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Contractor shall verify all dimensions in field before ordering materials or finalizing the shop drawings.

Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for traffic control.

Estimated Quantities

Item		Total
Bridge Approach Slab (Major)	sq. yard	192
Vertical Drain at End Bents	each	2

VERTICAL DRAIN AT END BENTS

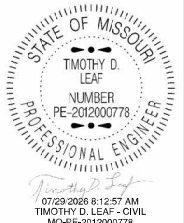
(Squared end bent shown, skewed end bent similar)

BRIDGE: ROUTE 50 WB OVER MARIES RIVER

ROUTE 50 FROM ROUTE A TO ROUTE 63

ABOUT 0.2 MILES WEST OF ROUTE A

BEGINNING STATION 43+54.60 (Match Existing)



DATE PREPARED
7/29/2026
ROUTE 50
STATE MO
DISTRICT BR
SHEET NO. 1

COUNTY
OSAGE
JOB NO.
JCD0106
CONTRACT ID.

PROJECT NO.

BRIDGE NO.
A41881

DATE	DESCRIPTION



US 50 EAST A.A.D.T. - 2024 = 9041
T = 13.0%
V = 65 M.P.H.
FUNCTIONAL CLASSIFICATION- FREEWAY

US 50 WEST A.A.D.T. - 2024 = 5188
T = 14.7%
V = 65 M.P.H.
FUNCTIONAL CLASSIFICATION- FREEWAY

US 63 SOUTH A.A.D.T. - 2024 = 4866
T = 40.7%
V = 60 M.P.H.
FUNCTIONAL CLASSIFICATION- PRINCIPAL ARTERIAL

US 63 NORTH A.A.D.T. - 2024 = 4866
T = 27.0%
V = 60 M.P.H.
FUNCTIONAL CLASSIFICATION- PRINCIPAL ARTERIAL

US50W RAMP TO US63S A.A.D.T. - 2024 = 520

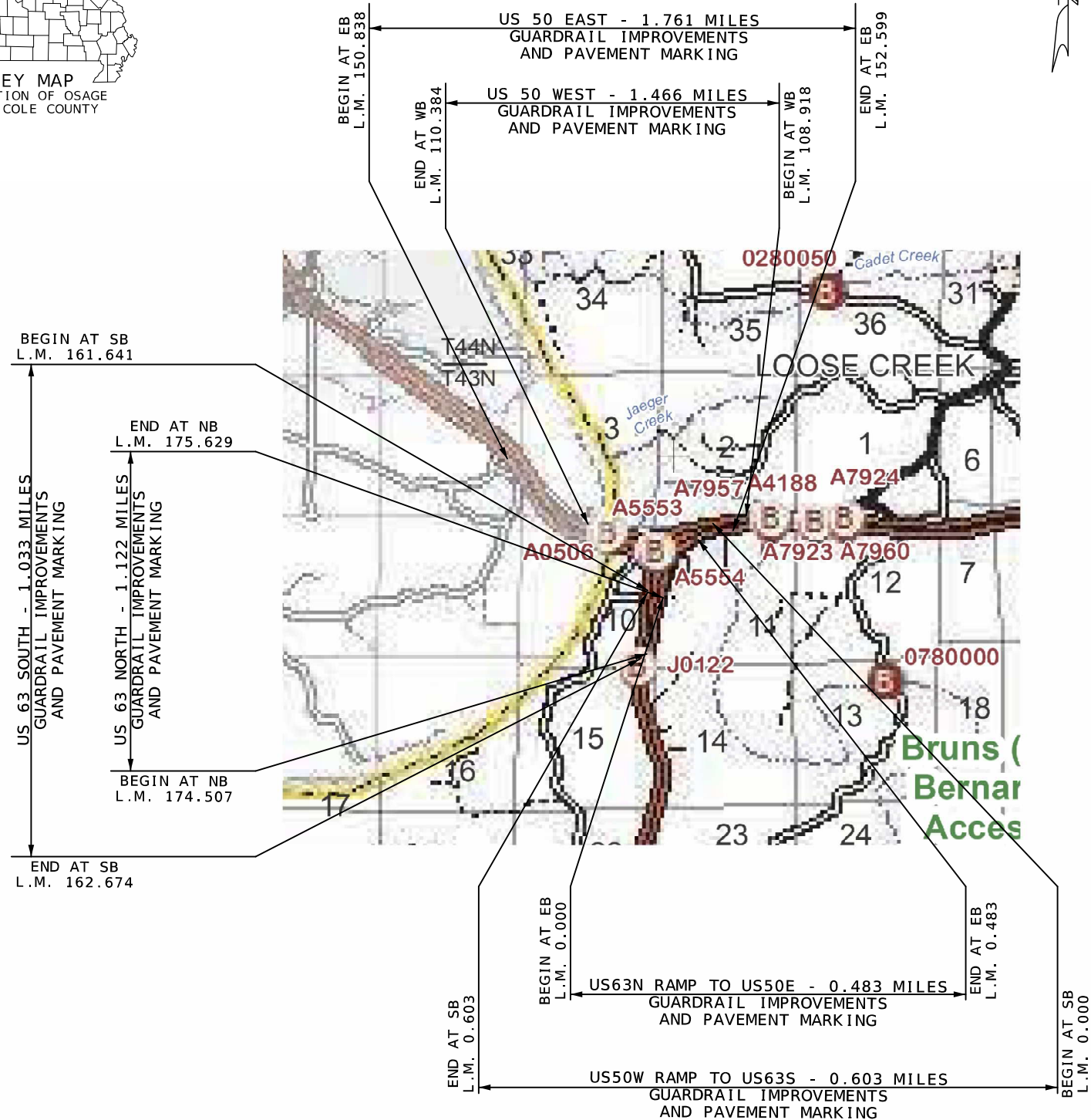
US63N RAMP TO US50E A.A.D.T. - 2024 = 516

NO NEW R/W TO BE ACQUIRED

	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

KEY MAP
LOCATION OF OSAGE
AND COLE 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.

DESCRIPTION	SHEET NUMBER
-------------	-----------------

TITLE SHEET	1
QUANTITIES (QU) (4 SHEETS).....	2
SPECIAL SHEETS (SS).....	3-6
TRAFFIC CONTROL SHEETS (TC).....	7-12

US 50 EAST (COLE COUNTY)

BEGINNING OF PROJECT	L.M.	150.838
END OF PROJECT	L.M.	152.599
APPARENT LENGTH		9298.08 FEET

EQUATIONS AND EXCEPTIONS:
NONE

US 50 WEST (OSAGE COUNTY)

BEGINNING OF PROJECT	L.M.	108.918
END OF PROJECT	L.M.	110.384
APPARENT LENGTH		7740.48 FEET

EQUATIONS AND EXCEPTIONS:
NONE

US 63 SOUTH (OSAGE COUNTY)

BEGINNING OF PROJECT	L.M.	161.641
END OF PROJECT	L.M.	162.674
APPARENT LENGTH		5454.24 FEET

EQUATIONS AND EXCEPTIONS:
NONE

US 63 NORTH (OSAGE COUNTY)

BEGINNING OF PROJECT	L.M.	174.507
END OF PROJECT	L.M.	175.629
APPARENT LENGTH		5924.16 FEET

EQUATIONS AND EXCEPTIONS:
NONE

US50W RAMP TO US63S (OSAGE COUNTY)

BEGINNING OF PROJECT	L.M.	0.000
END OF PROJECT	L.M.	0.603
APPARENT LENGTH		3183.84 FEET

EQUATIONS AND EXCEPTIONS:
NONE

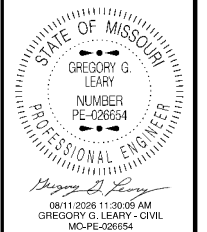
US63N RAMP TO US50E (OSAGE COUNTY)

BEGINNING OF PROJECT	L.M.	0.000
END OF PROJECT	L.M.	0.483
APPARENT LENGTH		2550.24 FEET

EQUATIONS AND EXCEPTIONS:
NONE

TOTAL CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	34151.04 FEET
STATE LENGTH	6.468 MILES

FOR INFORMATION ONLY	
ESTIMATED DISTURBED ACRES	0.1 ACRES



DATE PREPARED
8/10/2026

ROUTE	STATE
50 / 63	MO

DISTRICT	SHEET NO.
CD	1

CD	I
COUNTY	
OSAGE / COLE	

JOB NO.
ICD0313

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

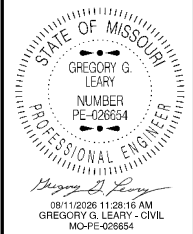
DATE



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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





DATE PREPARED 8/10/2026	
ROUTE 50/63	STATE MO
DISTRICT CD	SHEET NO. 2
COUNTY OSAGE / COLE	
JOB NO. JCD0212	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION														
DATE														

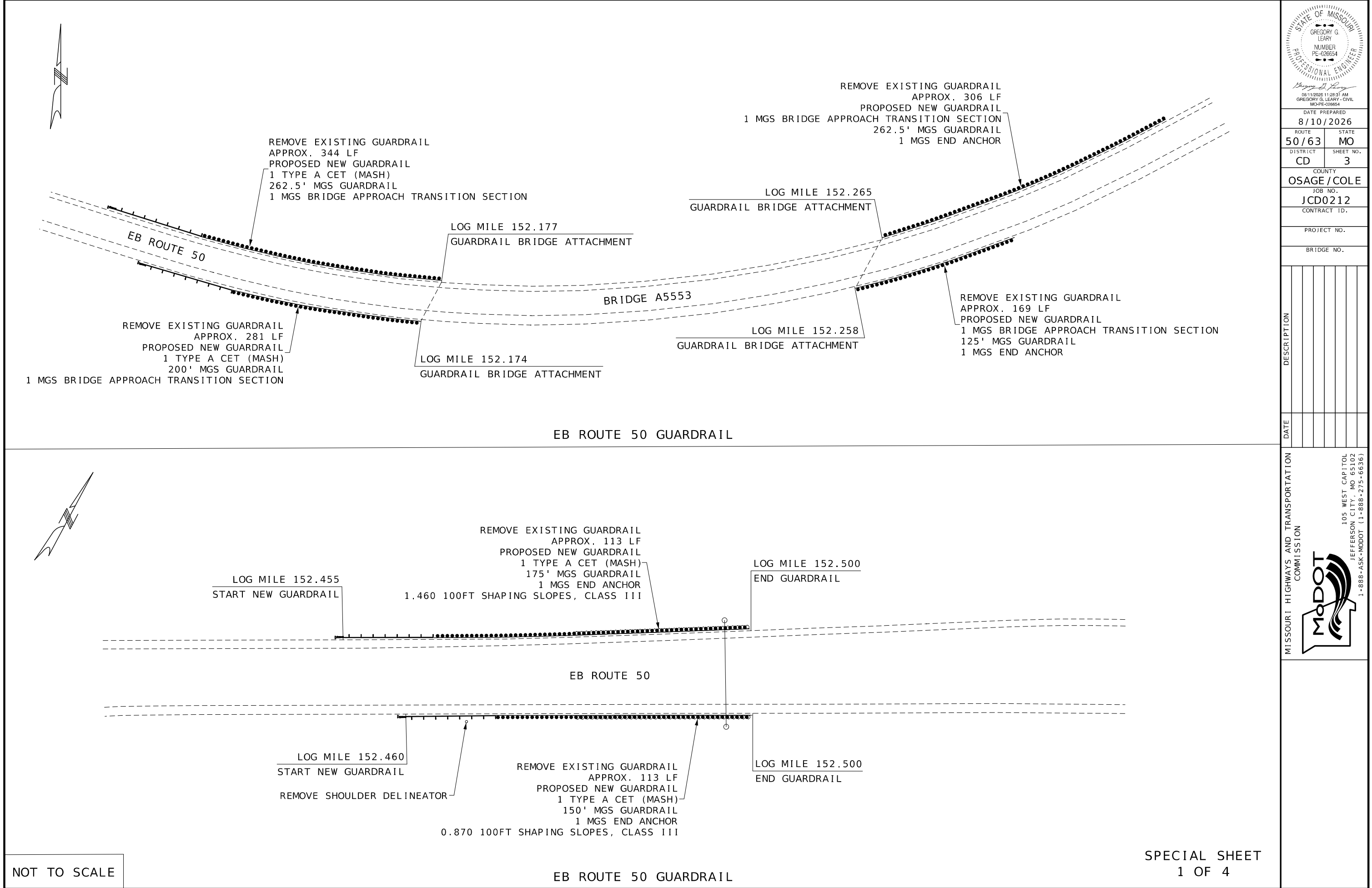
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

PAVEMENT MARKING (CONT.)													
LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 2 PVMT MARKING PAINT, (25-MIL, TYPE L BEADS)					PREFORMED THERMOPLASTIC PAVEMENT MARKING				REMARKS
				6" SOLID YELLOW LF	6" SOLID WHITE LF	6" INT. WHITE LF	6" DOTTED WHITE LF	12" SOLID WHITE LF	WORD "ONLY" EA	TURN ARROW EA	24" WHITE STOP BAR LF	24" WHITE CHEVRON LF	
108.918	109.335	WB ROUTE 50	2202	2202.0	2202.0	550.5							START PROJECT WB ROUTE 50
109.335	109.368	WB ROUTE 50	174	174.0	348.0	43.5							
109.337		WB ROUTE 50								1.0			LEFT TURN ARROW TO OUTER 63
109.360		WB ROUTE 50								1.0			LEFT TURN ARROW TO OUTER 63
109.368	109.377	WB ROUTE 50	48	48.0	48.0	12.0	12.0						
109.377	109.398	WB ROUTE 50	111	111.0		27.8	27.8						
109.398	109.407	WB ROUTE 50	48	48.0	48.0	12.0							
109.407	109.578	WB ROUTE 50	903		903.0								
109.578	109.821	WB ROUTE 50	1283	1283.0	2566.0							144.0	
109.821	109.884	WB ROUTE 50	333		666.0			333.0				50.0	
109.884	109.957	WB ROUTE 50	385	385.0	770.0	96.3						48.0	
109.957	110.384	WB ROUTE 50	2255	2255.0	2255.0	563.8							END PROJECT WB ROUTE 50
SUBTOTAL 2				6506.0	9806.0	1305.9	39.8	333.0	0.0	2.0	0.0	242.0	
SUBTOTAL 1				22551.0	23271.0	3364.3	273.2	3849.0	4.0	8.0	12.0	81.0	
USE				29057		38060		4182	4	10	335		

SIGN	SIZE	AREA	QTY	TOTAL AREA	QTY	TOTAL RELOC	RELOC	SIGN	DESCRIPTION	SIGN	SIZE	AREA	QTY	TOTAL	RELOC	RELOC	SIGN	DESCRIPTION	ITEM	TOTAL	EFFECTIVE: 07-01-2025			
IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NO.				IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NO.		NUMBER	QTY	DESCRIPTION				
WARNING SIGNS									GUIDE SIGNS									6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)				
WO1-1L	48X48	16.00							TURN (SYMBOL LEFT)	E05-1	36X48	12.00	1	12.00			49	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						ROAD WORK NEXT X MILES (4@1, 2@2)	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)			
WO1-3L	48X48	16.00							REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00						END ROAD WORK	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)			
WO1-3R	48X48	16.00							REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50						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						PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL			
WO1-4R	48X48	16.00							REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50						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	2	12.00			54	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	140*	CHANNELIZER (TRIM-LINE)			
WO1-8a	30X36	7.50							CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93	1	6.93			13	YIELD	6161026		CHANNELIZER (VERTICAL PANEL)			
WO3-1	48X48	16.00							STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161030		TYPE 3 MOVEABLE BARRICADE			
WO3-2	48X48	16.00	1	16.00			40		YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161033	14*	DIRECTION INDICATOR BARRICADE			
WO3-3	48X48	16.00							SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	4	48.00			4/25	SPEED LIMIT 2@55, 2@65	6161040	1*	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	1	16.00			6A		MERGE (LEFT)	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED			
WO4-1aR	48X48	16.00	1	16.00			6A		MERGE (RIGHT)	R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT			CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED			
WO5-1	48X48	16.00	1	16.00			43		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					34		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	2	32.00					NARROW LANES	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)	6161099	3	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED			
WO6-1	48X48	16.00							DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)			WORK ZONE TRAFFIC SIGNAL SYSTEM			
WO6-2	48X48	16.00							DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	6162000A		TEMPORARY LONG-TERM RUMBLE STRIPS			
WO6-3	48X48	16.00							TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6162002		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED			
WO7-3a	30X24	5.00							NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6173600D		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED			
WO8-1	48X48	16.00							BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)			TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED			
WO8-2	48X48	16.00							DIP	R6-2L	24X30	5.00						ONE WAY (LEFT)	6173700B		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION, CONTRACTOR FURNISHED/RETAINED			
WO8-3	48X48	16.00							PAVEMENT ENDS	R6-2R	24X30	5.00						ONE WAY (RIGHT)			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED			
WO8-4	48X48	16.00							SOFT SHOULDER	R9-9	24X12	2.00						SIDEWALK CLOSED	6173706		RELOCATING TEMPORARY TRAFFIC BARRIER			
WO8-5	48X48	16.00							SLIPPERY WHEN WET (SYMBOL)	R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE			RELOCATING TEMP. TRAFFIC BARRIER ANCHORED			
WO8-6	48X48	16.00							TRUCK CROSSING	R9-11R	24X18	3.00						(ARROW RIGHT) CROSS HERE	6174000A		TEMP. TRAFFIC BARRIER STIFFNESS			
WO8-6c	48X48	16.00							TRUCK ENTRANCE	R10-6	24X36	6.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	6175010A		TEMPORARY RAISED PAVEMENT MARKER			
WO8-7	36X36	9.00							LOOSE GRAVEL	R11-2	48X30	10.00						STOP HERE ON RED (45^ ARROW)	6175010B		TEMPORARY TRAFFIC SIGNALS			
WO8-7a	36X36	9.00							FRESH OIL / LOOSE GRAVEL	R11-3a	60X30	12.50						ROAD CLOSED	6175011B		TEMPORARY TRAFFIC SIGNALS AND LIGHTING			
WO8-9	48X48	16.00							LOW SHOULDER	R11-4	60X30	12.50						ROAD CLOSED	6175013					
WO8-11	48X48	16.00							UNEVEN LANES	CONST-3A	60X48	20.00						ROAD CLOSED XX MILES AHEAD	6175020A					
WO8-12	48X48	16.00							NO CENTER LINE	CONST-3X	56X12	4.67						LOCAL TRAFFIC ONLY	6208064A					
WO8-15	48X48	16.00							GROOVED PAVEMENT									ROAD CLOSED TO THRU TRAFFIC	9029400					
WO8-15P	30X24	5.00							MOTORCYCLE (PLAQUE)									FINE SIGN	9029401					
WO8-17L	48X48	16.00							SHOULDER DROP-OFF (SYMBOL LEFT)	MISCELLANEOUS SIGNS													NOTE: ALL TRAFFIC CONTROL ITEMS ARE INCLUDED IN PAY ITEM 619-99.01, LUMP SUM TEMPORARY TRAFFIC CONTROL, UNLESS NOTED OTHERWISE IN THE PLANS. THESE QUANTITIES ARE ONLY AN ESTIMATE AND ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS. NO DIRECT PAYMENT SHALL BE MADE TO RELOCATE OR COVER/UNCOVER EXISTING OR TPC SIGNS OR TO RELOCATE OTHER TPC DEVICES.	
WO8-17R	48X48	16.00							SHOULDER DROP-OFF (SYMBOL RIGHT)	CONST-5	48X36	12.00						POINT OF PRE						



STATE OF MISSOURI

GREGORY G. LEARY

NUMBER
PE-026654

PROFESSIONAL ENGINEER

08/11/2026 11:28:31 AM
GREGORY G. LEARY - CIVIL
MO-PE-026654

DATE PREPARED 8/10/2026	
ROUTE 50/63	STATE MO
DISTRICT CD	SHEET NO. 3
COUNTY OSAGE / COLE	
JOB NO. JCD0212	
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)

NOT TO SCALE



REMOVE EXISTING GUARDRAIL
APPROX. 125 LF
PROPOSED NEW GUARDRAIL
1 MGS BRIDGE APPROACH TRANSITION SECTION
1 MGS END ANCHOR

LOG MILE 108.890
GUARDRAIL BRIDGE ATTACHMENT

WB ROUTE 50

BRIDGE A4188

WB ROUTE 50 GUARDRAIL



LOG MILE 109.966
GUARDRAIL BRIDGE ATTACHMENT

BRIDGE A0506

WB ROUTE 50

LOG MILE 109.966
GUARDRAIL BRIDGE ATTACHMENT

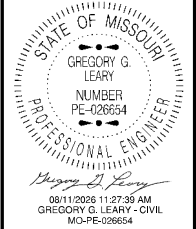
REMOVE EXISTING GUARDRAIL
APPROX. 719 LF
PROPOSED NEW GUARDRAIL
1 TYPE A CET (MASH)
637.5' MGS GUARDRAIL
1 MGS BRIDGE APPROACH TRANSITION SECTION

REMOVE EXISTING GUARDRAIL
APPROX. 344 LF
PROPOSED NEW GUARDRAIL
1 TYPE A CET (MASH)
262.5' MGS GUARDRAIL
1 MGS BRIDGE APPROACH TRANSITION SECTION

WB ROUTE 50 GUARDRAIL

NOT TO SCALE

SPECIAL SHEET
2 OF 4



DATE PREPARED
8/10/2026

ROUTE	STATE
50/63	MO
DISTRICT	SHEET NO.
CD	4

COUNTY
OSAGE / COLE

JOB NO.
JCD0212

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)



LOG MILE 162.048
START GUARDRAIL

REMOVE EXISTING GUARDRAIL
APPROX. 288 LF
PROPOSED NEW GUARDRAIL
1 TYPE A CET (MASH)
225' MGS GUARDRAIL
1 MGS END ANCHOR

LOG MILE 162.103
END GUARDRAIL

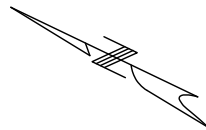
SB ROUTE 63

LOG MILE 162.052
START GUARDRAIL

REMOVE EXISTING GUARDRAIL
APPROX. 263 LF
PROPOSED NEW GUARDRAIL
1 TYPE A CET (MASH)
200' MGS GUARDRAIL
1 MGS END ANCHOR

LOG MILE 162.103
END GUARDRAIL

SB ROUTE 63 GUARDRAIL



LOG MILE 175.393
GUARDRAIL BRIDGE ATTACHMENT

REMOVE EXISTING GUARDRAIL
APPROX. 269 LF
PROPOSED NEW GUARDRAIL
1 TYPE A CET (MASH)
187.5' MGS GUARDRAIL
1 MGS BRIDGE APPROACH TRANSITION SECTION

BRIDGE A5554

LOG MILE 175.390
GUARDRAIL BRIDGE ATTACHMENT

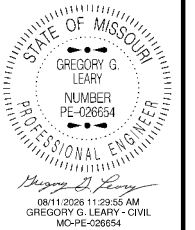
REMOVE EXISTING GUARDRAIL
APPROX. 294 LF
PROPOSED NEW GUARDRAIL
1 TYPE A CET (MASH)
212.5' MGS GUARDRAIL
1 MGS BRIDGE APPROACH TRANSITION SECTION

NB ROUTE 63

NB ROUTE 63 GUARDRAIL

NOT TO SCALE

SPECIAL SHEET
4 OF 4

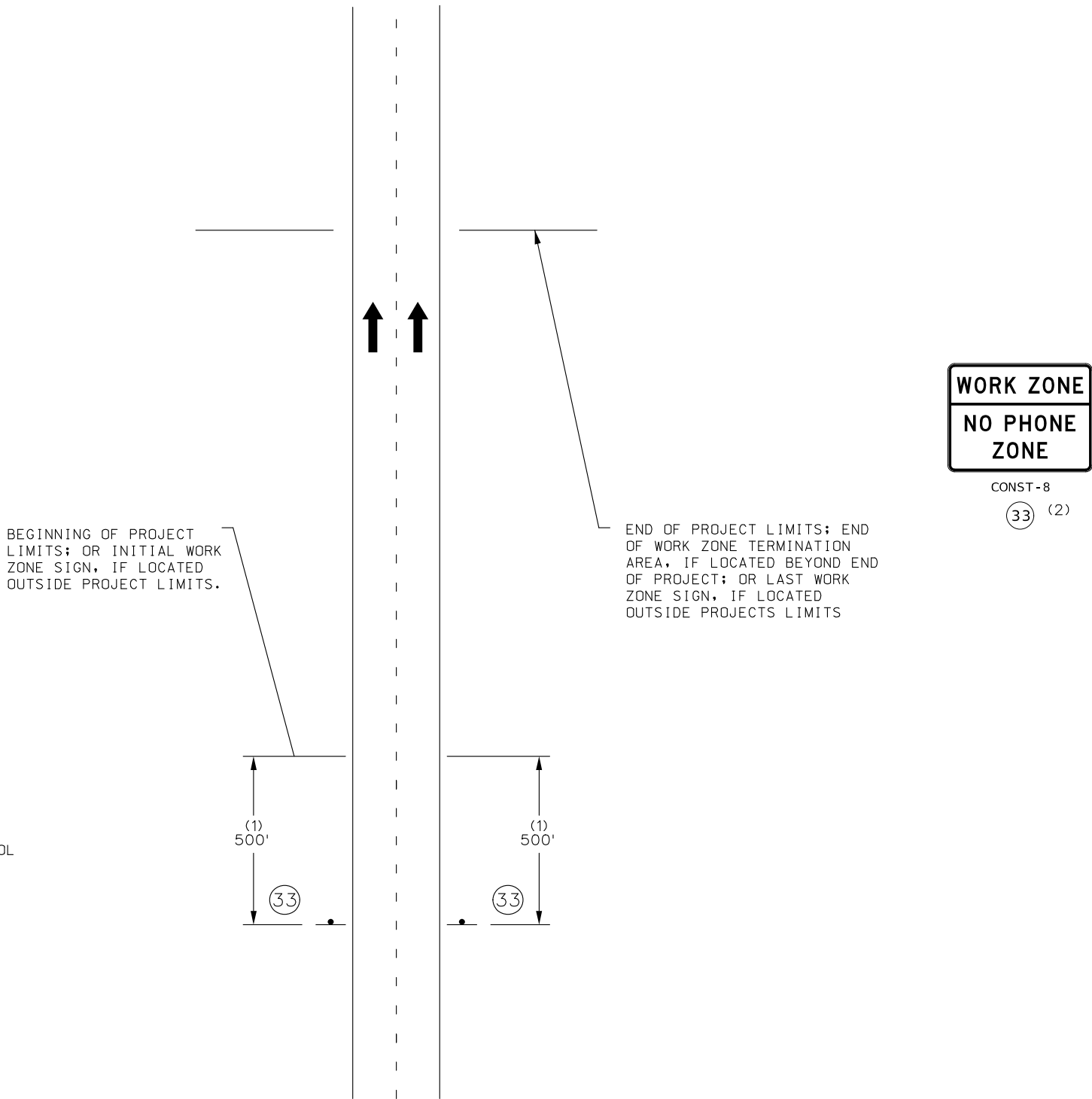


DATE PREPARED 8/10/2026	
ROUTE 50/63	STATE MO
DISTRICT CD	SHEET NO. 6
COUNTY OSAGE / COLE	
JOB NO. JCD0212	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



GENERAL NOTES:

1. ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
2. THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

NOTES:

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

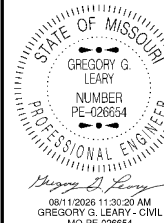
(2) ALL SIGNS ON THIS SHEET ARE CONSIDERED PERMANENT FOR THE DURATION OF THE PROJECT.

(3) CHANGABLE MESSAGE SIGNS TO BE LOCATED AS APPROVED BY THE ENGINEER.

MULTI-LANE DIVIDED
BEGIN/END OF PROJECT SIGNING

NOT TO SCALE

TEPORARY TRAFFIC CONTROL SHEET
BEGIN / END PROJECT SIGNING
MULTI-LANE DIVIDED
SHEET 1 OF 6



DATE PREPARED
8/10/2026

ROUTE
50/63

STATE
MO

DISTRICT
CD

SHEET NO.
7

COUNTY
OSAGE / COLE

JOB NO.
JCD0212

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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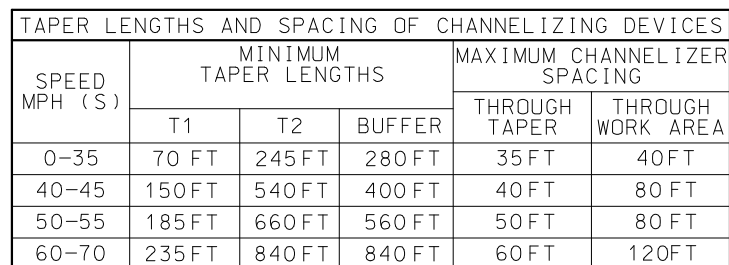
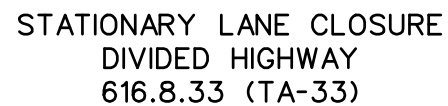
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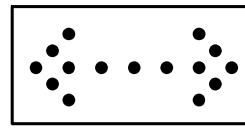
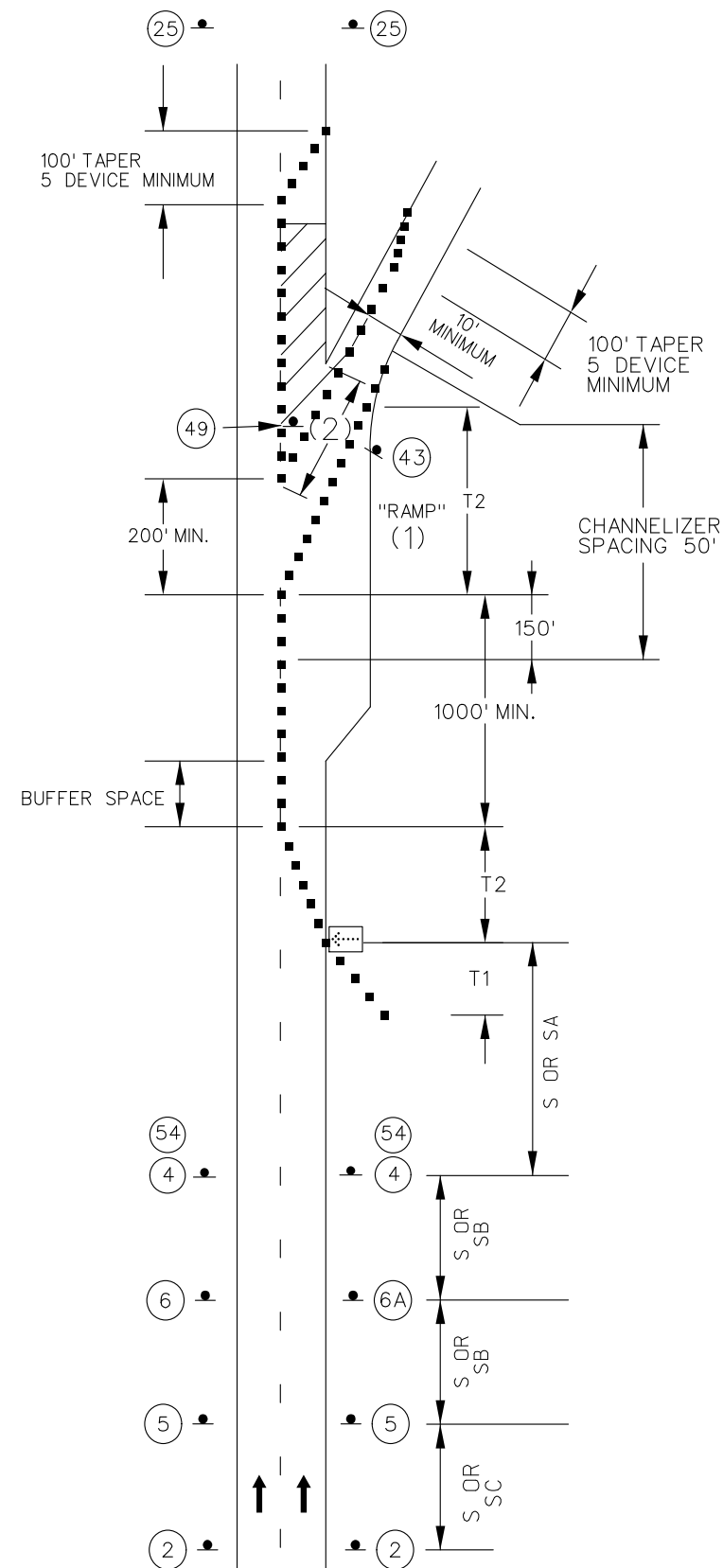


LONGITUDINAL BUFFER SPACE	
POSTED SPEED PRIOR TO CONSTRUCTION	LENGTH
≤ 35 MPH	280 FT
40-45 MPH	400 FT
50-55 MPH	560 FT
60-70 MPH	840 FT

REVIEW EPG 616.6 WHEN SEQUENTIAL OR WARNING
LIGHTS SHOULD BE USED ON NIGHTTIME
OPERATIONS.

TEMPORARY TRAFFIC CONTROL SHEET
STATIONARY LANE CLOSURE
ON DIVIDED HIGHWAY
SHEET 2 OF 6

[illegible]



■ ■ ■ ■ ■
CHANNELIZERS

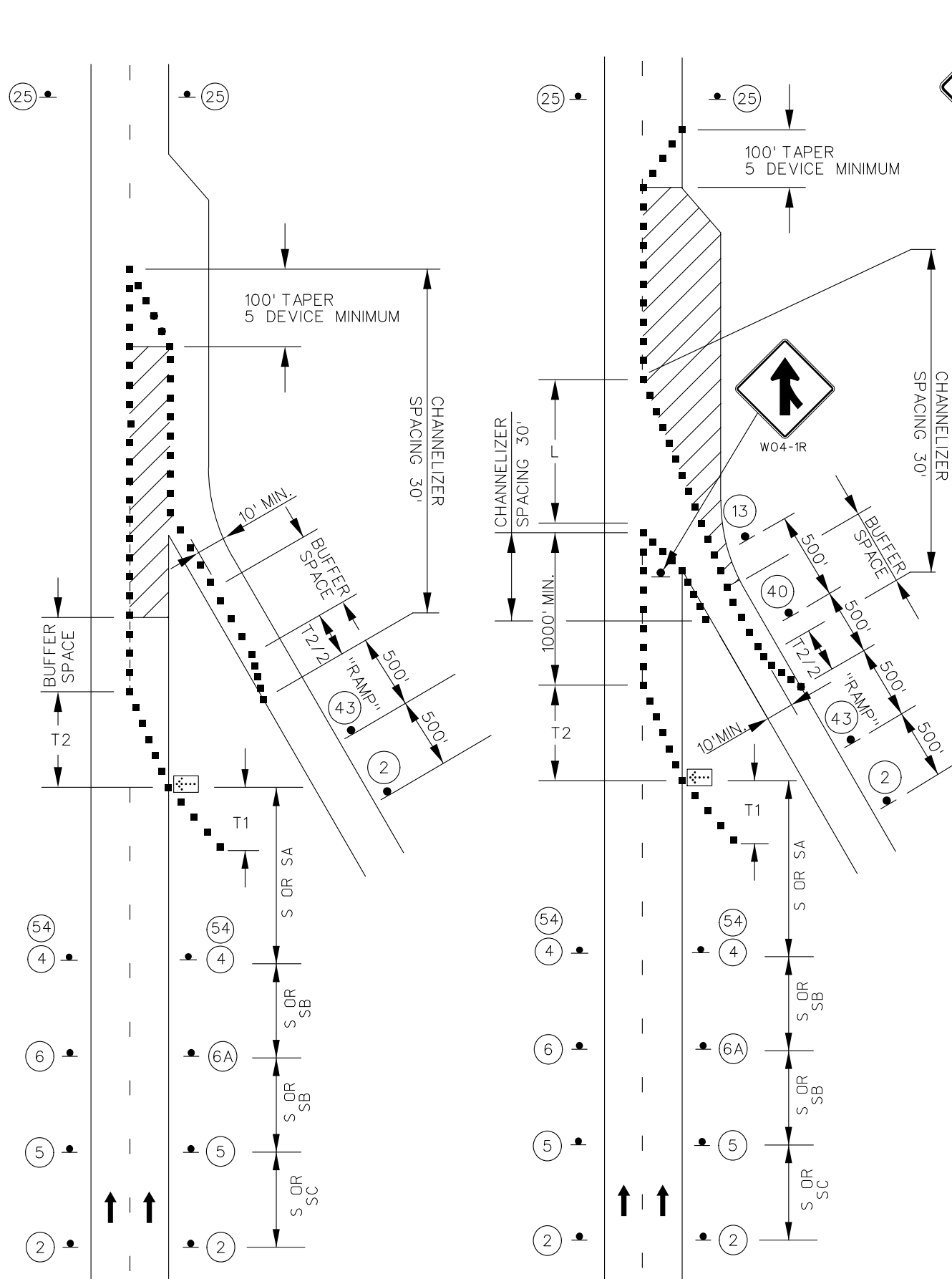
SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.		
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
POSTED SPEED MPH (P)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	SA - 1000 FT, SB - 1500 FT AND SC - 2640 FT	

(1). SIGN 43 REQUIRED WHEN RAMP WIDTH IS REDUCED.

(2). FIVE CHANNELIZER DEVICE MINIMUM.

TEMPORARY TRAFFIC CONTROL SHEET
WORK IN VICINITY
OF EXIT RAMP
SHEET 3 OF 6

 GREGORY G. LEARY NUMBER PE-026654 PROFESSIONAL ENGINEER <i>Gregory G. Leary</i> 08/11/2026 11:29:17 AM GREGORY G. LEARY - CIVIL MO-PE-026654	
DATE PREPARED 8 / 10 / 2026	
ROUTE 50 / 63	STATE MO
DISTRICT CD	SHEET NO. 9
COUNTY OSAGE / COLE	
JOB NO. JCD0212	
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)	



LANE CLOSURE
ENTRANCE RAMP AREAS

ROAD WORK AHEAD

W020-1

2

BRIDGE OR RAMP

W020-5

5

CENTER LANE OR LEFT LANE

W05-1

43

RIGHT LANE CLOSED

W020-6a

6

MERGE

W04-1a

6A

WORK ZONE

G020-5aP

54

YIELD

R1-2

13

FLASHING ARROW PANEL

W03-2

40

SPEED LIMIT 55

R2-1

4

SPEED LIMIT 65

R2-1

25

CHANNELIZERS

W04-1R

13

TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES					
SPEED MPH (S)	MINIMUM TAPER LENGTHS			MAXIMUM CHANNELIZER SPACING	
	T1	T2	BUFFER	THROUGH TAPER	THROUGH WORK AREA
0-35	70 FT	245 FT	280 FT	35 FT	40 FT
40-45	150 FT	540 FT	400 FT	40 FT	80 FT
50-55	185 FT	660 FT	560 FT	50 FT	80 FT
60-70	235 FT	840 FT	840 FT	60 FT	120 FT

SIGN SPACING FOR ADVANCE SIGN SERIES

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

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

POSTED SPEED MPH (P)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	SA - 1000 FT, SB - 1500 FT AND SC - 2640 FT	

NOTES:

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.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.

FOR NIGHT TIME OPERATIONS, REVIEW EPG 616.6.83 WARNING LIGHTS FOR USE OF SEQUENTIAL LIGHTS.

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND AND GUIDELINES FOR THE DEVICE.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED.

YEILD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC. WHERE INADEQUATE ACCELERATION DISTANCE EXISTS FOR THE TEMPORARY ENTRANCE, THE YIELD SIGN SHALL BE REPLACED WITH STOP SIGNS (ONE EACH SIDE OF THE APPROACH).

THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORISTS ON THE RAMP.

THE YEILD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC.

FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVER NIGHT, UAW TRIM-LINE CHANNELIZERS.

TEMPORARY TRAFFIC CONTROL SHEET
WORK IN VICINITY OF
ENTRANCE RAMP
SHEET 4 OF 6

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER PE-026654

PROFESSIONAL ENGINEER

08/11/2026 11:28:53 AM

GREGORY G. LEARY - CIVIL

MO-PE-026654

DATE PREPARED

8/10/2026

ROUTE

50/63

STATE

MO

DISTRICT

CD

SHEET NO.

10

COUNTY

OSAGE/COLE

JOB NO.

JCD0212

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)

STATE OF MISSOURI

GREGORY G. LEARY

NUMBER
PE-026654

PROFESSIONAL ENGINEER

08/11/2025 11:25:42 AM

GREGORY G. LEARY - CIVIL

MO-PE-026654

DATE PREPARED
8/10/2026

ROUTE
50/63

DISTRICT
CD

STATE
MO

SHEET NO.
11

COUNTY
OSAGE / COLE

JOB NO.
JCD0212

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

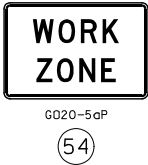
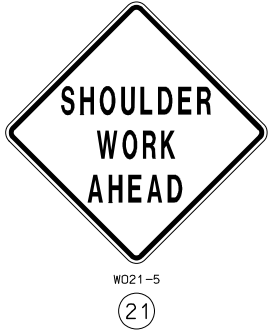
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

TEMPORARY TRAFFIC CONTROL SHEET
STATIONARY LANE CLOSURE
ON DIVIDED HIGHWAY
SHEET 5 OF 6



NOTES:
LAYOUTS ARE TYPICAL FOR EITHER LANE.
SIGN ② NOT NEEDED IF LOCATED WITHIN LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN ② IS ALREADY USED.

MAXIMUM WORK ZONE LENGTH 2 MILES

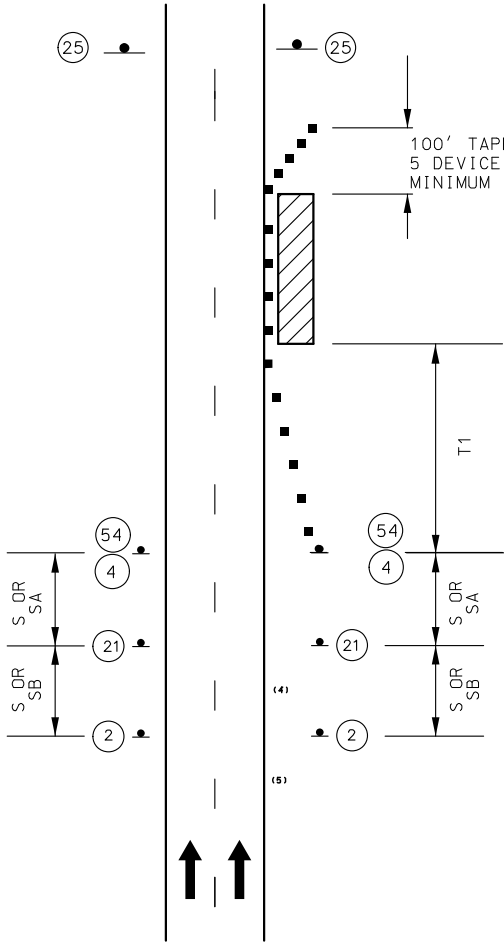
SPEED MPH (S)	MINIMUM TAPER LENGTHS			MAXIMUM CHANNELIZER SPACING	
	T1	T2	BUFFER	THROUGH TAPER	THROUGH WORK AREA
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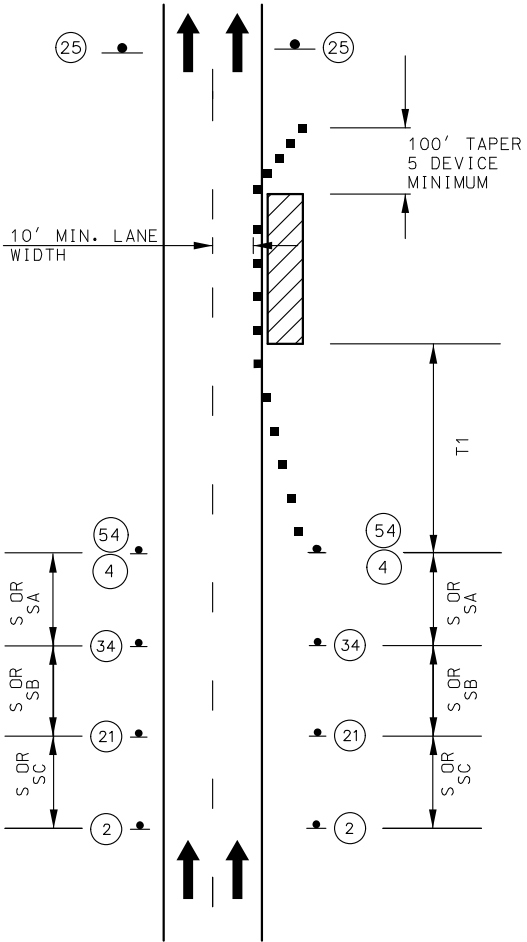
TRAFFIC CONTROL LEGEND

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

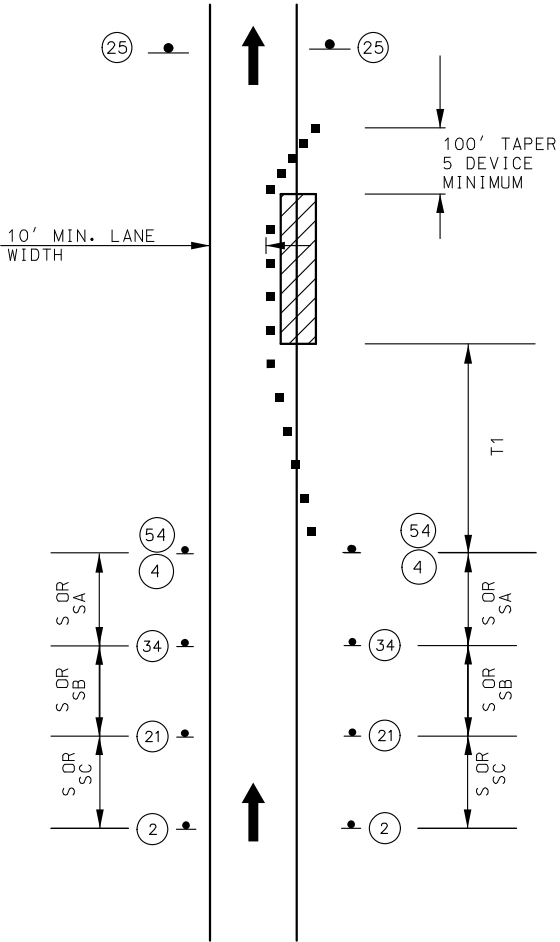
TEMPORARY TRAFFIC CONTROL SHEET
STATIONARY LANE CLOSURE
ON DIVIDED HIGHWAY
SHEET 5 OF 6



NO TRAVELWAY ENCROACHMENT
DIVIDED HIGHWAY



MINOR TRAVELWAY ENCROACHMENT
DIVIDED HIGHWAY



MINOR TRAVELWAY ENCROACHMENT
FOR RAMP

