

DESIGN DESIGNATION

A.A.D.T. - 2024 = 71,695
A.A.D.T. - 2044 = 84,081
T = 14%
V = 65 M.P.H.
D = 50%

FUNCTIONAL CLASSIFICATION-INTERSTATE

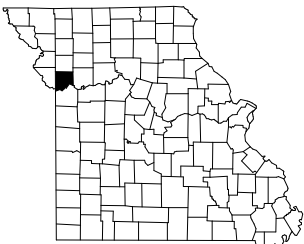
RIGHT OF WAY
AQUISITION
NOT REQUIRED

CONVENTIONAL SYMBOLS
(USED IN PLANS)

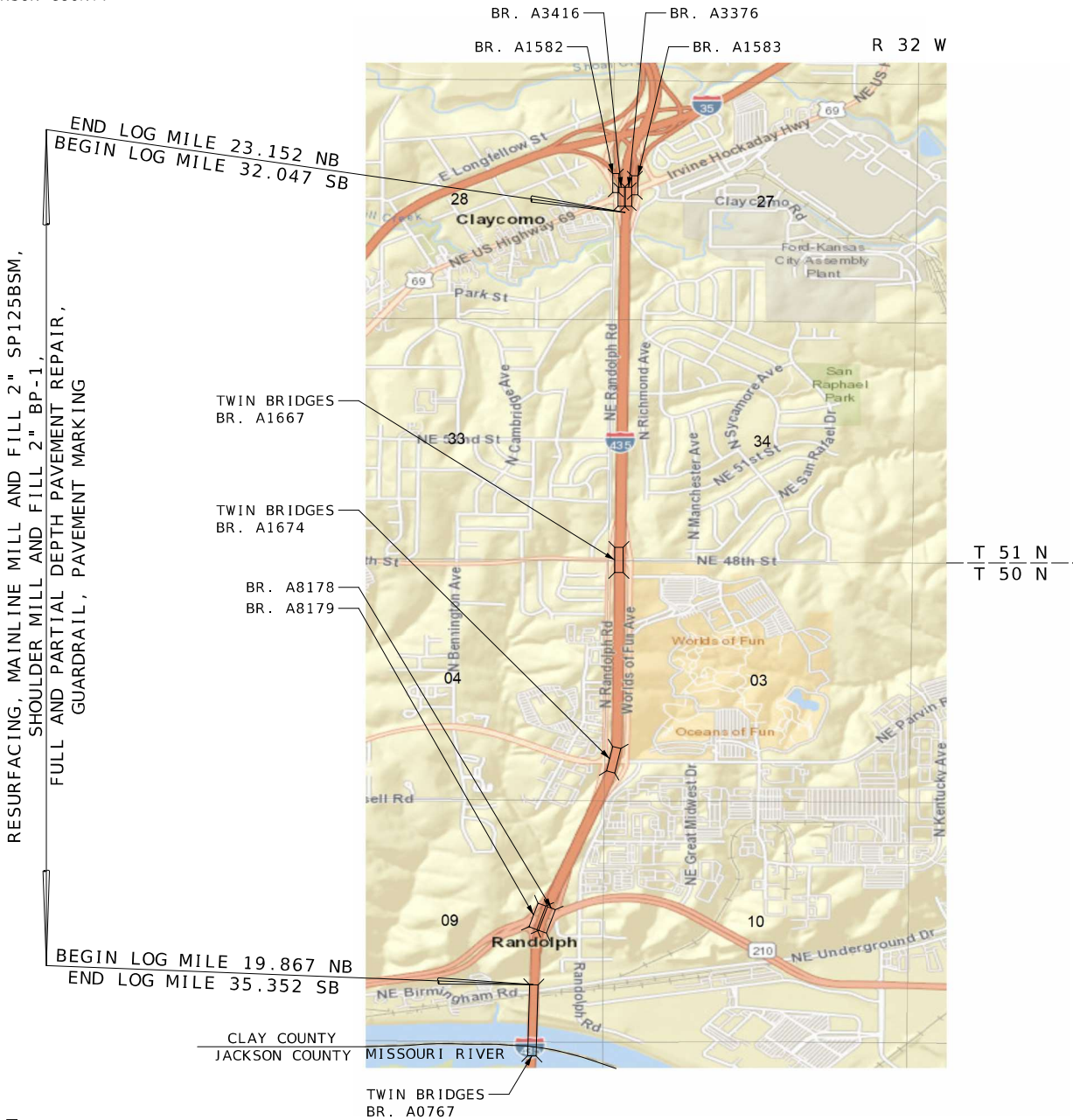
	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-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
CLAY COUNTY



KEY MAP
LOCATION OF JACKSON COUNTY

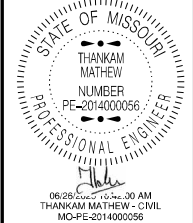


NOT TO SCALE

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

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (5 SHEETS)--	2
QUANTITIES (QU) (8 SHEETS)-----	3
SPECIAL SHEETS (SS)-----	4
TRAFFIC CONTROL SHEETS (TC)-----	5-16



DATE PREPARED 5/21/2025	
ROUTE 435	STATE MO
DISTRICT KC	SHEET NO. 1
COUNTY CLAY	
JOB NO. JKU0030	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

LENGTH OF PROJECT

BEGINNING OF PROJECT	32.047 SB 19.867 NB
END OF PROJECT	35.352 SB 23.153 NB
APPARENT LENGTH	(SB) 17,450.40 FEET (NB) 17,350.08 FEET

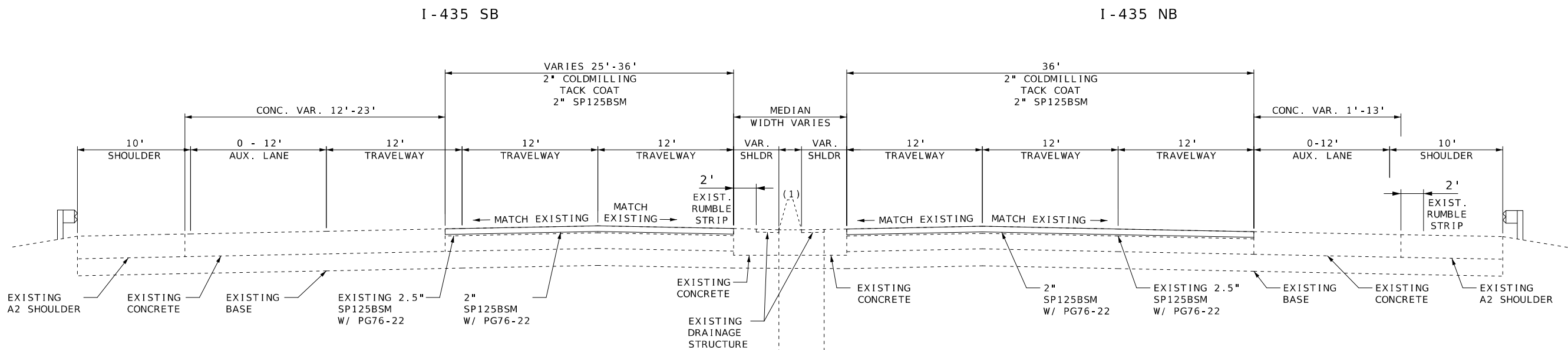
EQUATIONS AND EXCEPTIONS:

SOUTHBOUND	
BR. A1667	LM 33.525 TO LM 33.552
BR. A1674	LM 34.372 TO LM 34.401
BR. A8179	LM 35.062 TO LM 35.093
NORTHBOUND	
BR. A8178	LM 20.138 TO LM 20.165
BR. A1674	LM 20.820 TO LM 20.850
BR. A1667	LM 21.670 TO LM 21.697

TOTAL CORRECTIONS (SB)	459.36 FEET
TOTAL CORRECTIONS (NB)	443.52 FEET
NET LENGTH OF PROJECT (SB)	16,991.04 FEET
NET LENGTH OF PROJECT (NB)	16,906.56 FEET
STATE LENGTH (SB)	3.218 MILES
STATE LENGTH (NB)	3.202 MILES

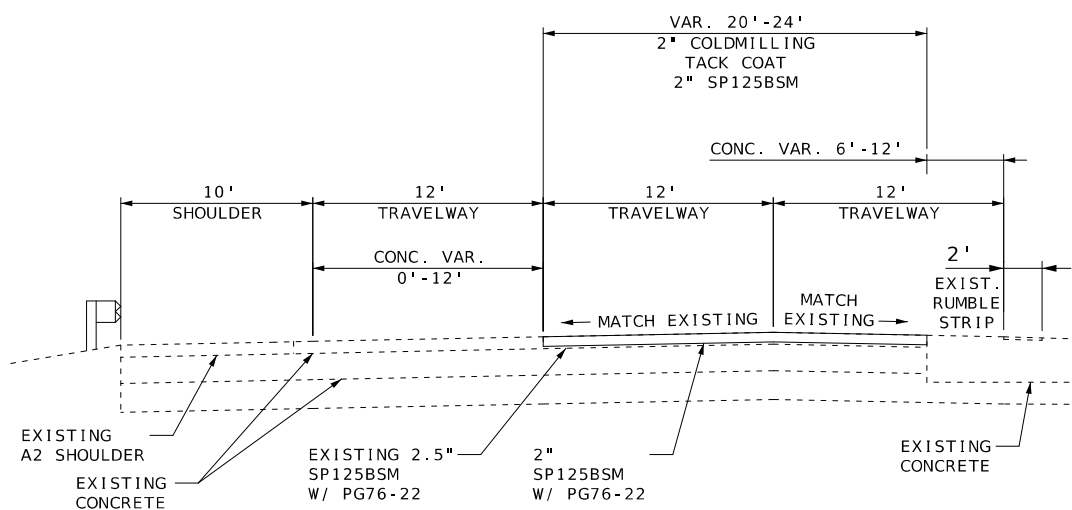
FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 0.0 ACRES





LOG MILE 35.216 TO 35.352 SB

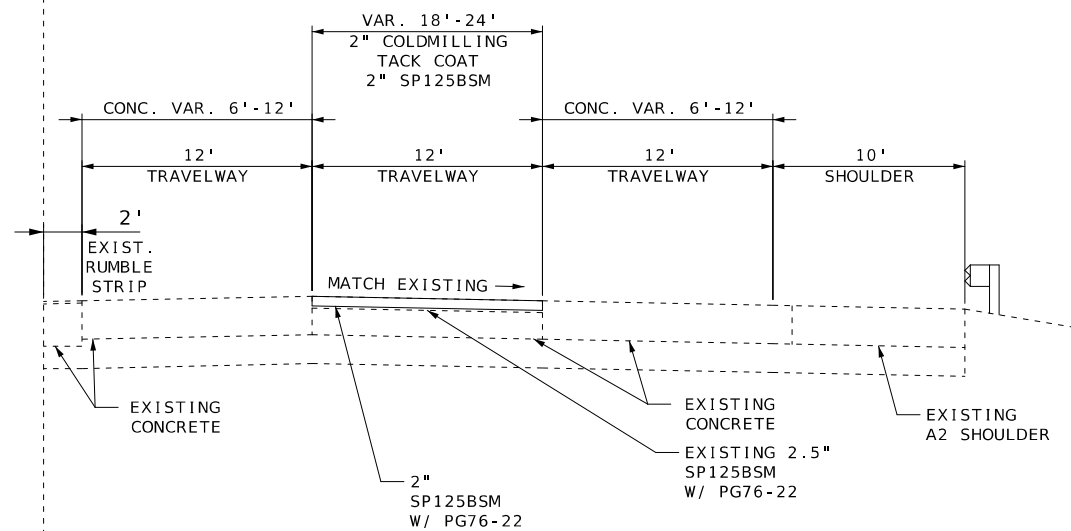
LOG MILE 19.867 TO 19.992 NB



LOG MILE 35.162 TO 35.216 SB

CONC. PVM'T EXCEPTION
LOG MILE 35.093 TO 35.162 SB

BR. A8179 EXCEPTION
LOG MILE 35.062 TO 35.093 SB



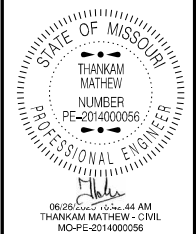
LOG MILE 19.992 TO 20.138 NB

BR. EXCEPTION A8178
LOG MILE 20.138 TO 20.165 NB

ESTIMATE FACTORS (FOR INFORMATION ONLY)	
MIX TYPE	FACTOR
SP125BSM W/ PG76-22	1.961 (TON/CY)
BP-1 W/ PG64-22	1.984 (TON/CY)
TACK COAT	0.10 (GAL/SY)

NOTE:
(1) EXISTING TYPE C CONC. TRAFFIC BARRIER

TYPICAL SECTION
I-435
SHEET 1 OF 5



DATE PREPARED
6/3/2025

ROUTE
435

STATE
MO

DISTRICT
KC

SHEET NO.
2

COUNTY
CLAY

JOB NO.
JKU0030

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

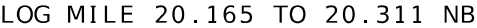
DESCRIPTION

DATE

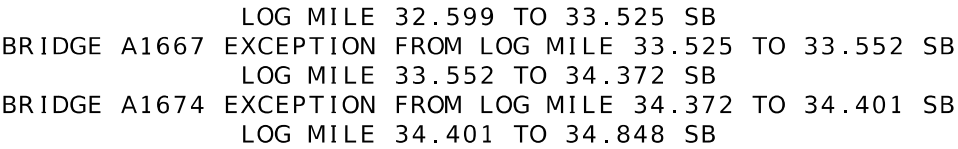
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



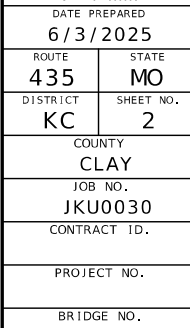


NOTES:
(1) EXIST. 7" ASPH. PVM'T ON
EXIST. 10" CONC. PVM'T ON
EXIST. 4" AGGR. BASE
(2) 2" BP-1 W/ PG64-22



BRIDGE	A1674	LOG MILE 20.311 TO 20.820	
		EXCEPTION FROM LOG MILE 20.820 TO 20.850	NB
		LOG MILE 20.850 TO 21.670	NB
BRIDGE	A1667	EXCEPTION FROM LOG MILE 21.670 TO 21.697	NB
		LOG MILE 21.697 TO 22.771	NB

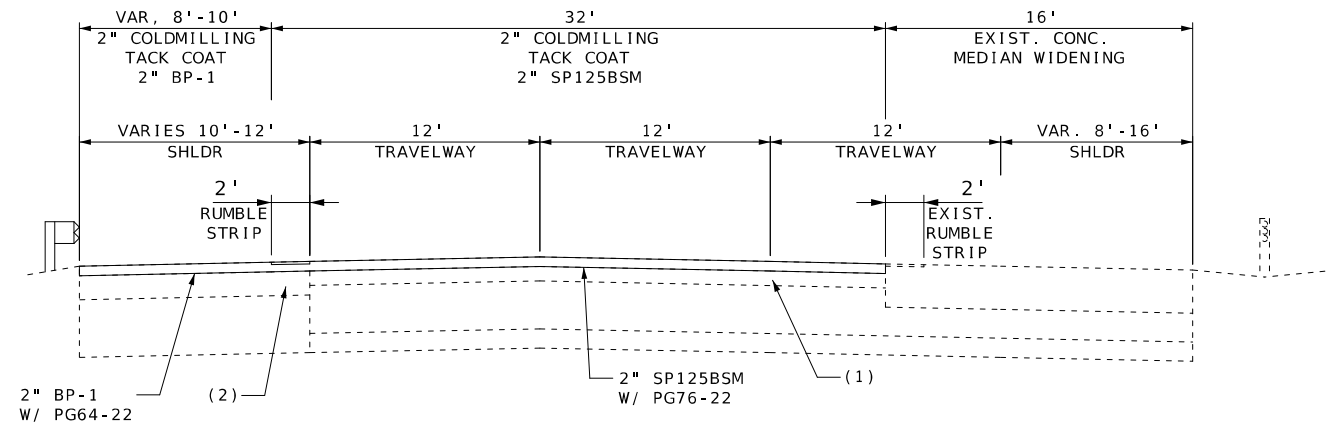
TYPICAL SECTION
I-435
SHEET 2 OF 5

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

I-435 SB

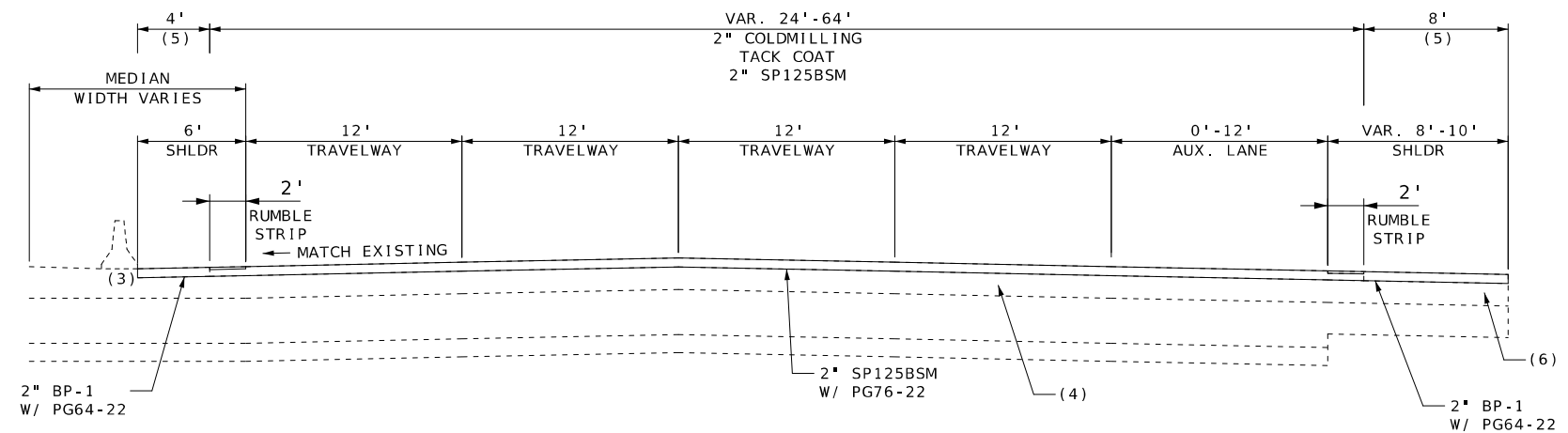


LOG MILE 32.451 TO 32.599 SB

NOTES:

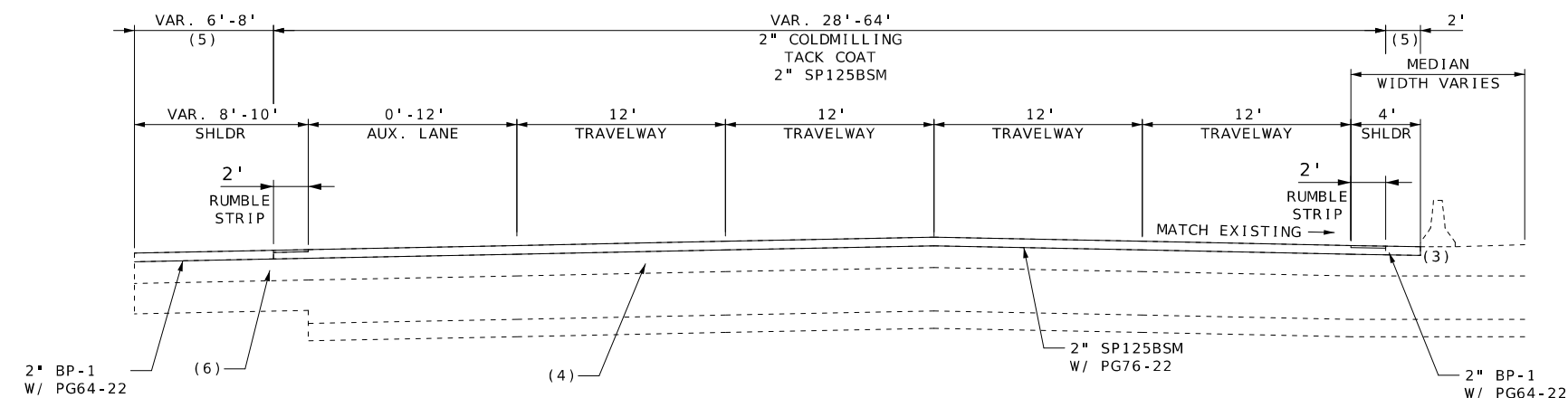
- (1) EXIST. 4" TO 5" HMA ON APPROX. 10" PCCP ON APPROX. 4" TYPE 3 AGG. BASE
- (2) EXIST. APPROX. 7" HMA ON APPROX. 5" TYPE 1 AGG. ON 8" STABLE HYD. EMB.
- (3) EXIST. CONC. MEDIAN BARRIER ON APPROX. 7" HMA ON APPROX. 10" PCCP ON 4" TYPE 3 AGG. BASE
- (4) EXIST. APPROX. 7" HMA ON APPROX. 10" PCCP ON 4" TYPE 3 AGG. BASE
- (5) 2" COLDMILLING TACK COAT 2" BP-1 W/ PG64-22
- (6) EXIST. 2" HMA ON APPROX. 5" BIT. BASE ON 7" TYPE 4 AGG. BASE

I-435 NB



LOG MILE 22.771 to 23.152 NB

I-435 SB



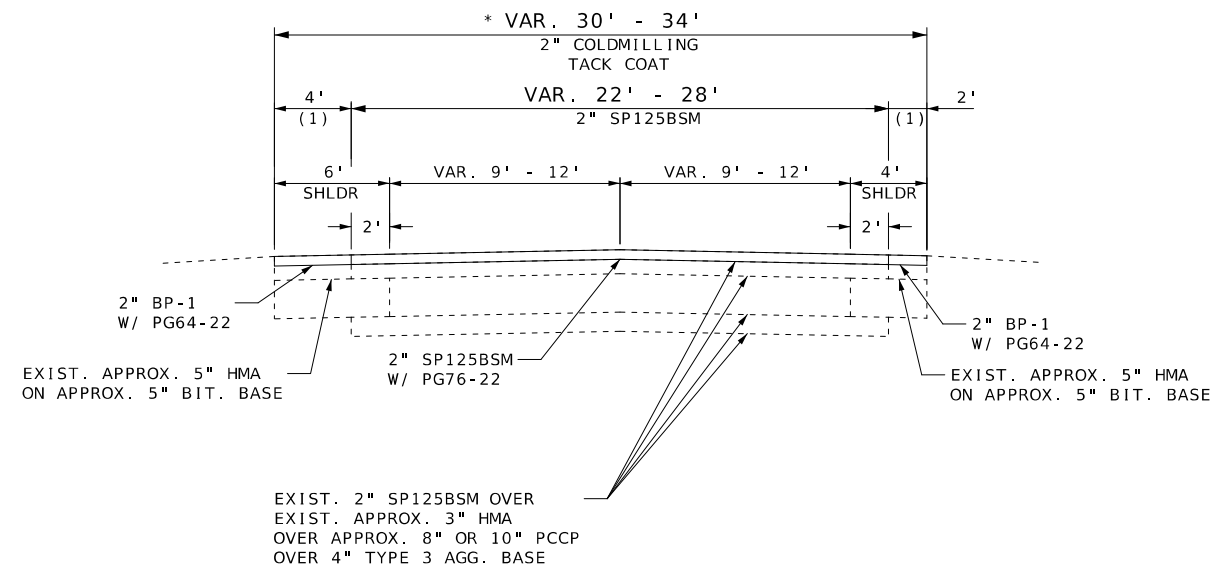
LOG MILE 32.047 TO 32.451 SB

TYPICAL SECTION
I-435
SHEET 3 OF 5

STATE OF MISSOURI THANKAM MATHIEW NUMBER PE-2014000066 PROFESSIONAL ENGINEER 06/26/2024 10:44:23 AM THANKAM MATHIEW - CIVIL MO-PE-2014000066	
DATE PREPARED 6/3/2025	
ROUTE 435	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY CLAY	
JOB NO. JKU0030	
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:
(1) 2" BP-1 W/ PG64-22



US69 S TO SB I-435
LOG MILE 0.000 TO 0.036

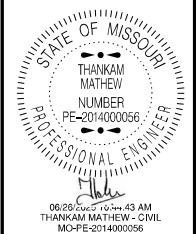
US69 N TO SB I-435
LOG MILE 0.010 TO 0.141

NB I-35 TO SB I-435
LOG MILE 0.000 TO 0.417

NB I-435 TO SB I-35
LOG MILE 0.000 TO 0.143

NB I-435 TO US69 N
LOG MILE 0.000 TO 0.202

* MAINLINE WIDTH VARIES
28' TO 50' AT NB I-435 TO
SB I-35 RAMP



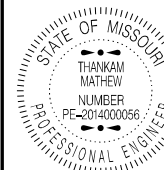
DATE PREPARED 6/3/2025	
ROUTE 435	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY CLAY	
JOB NO. JKU0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT



06/25/2025 15:24 AM
THANKAM MATHEW - CIVIL
MO-PE-2014000056

DATE PREPARED
6/3/2025

ROUTE 435 STATE MO

DISTRICT KC SHEET NO. 2

COUNTY CLAY

JOB NO. JKU0030

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

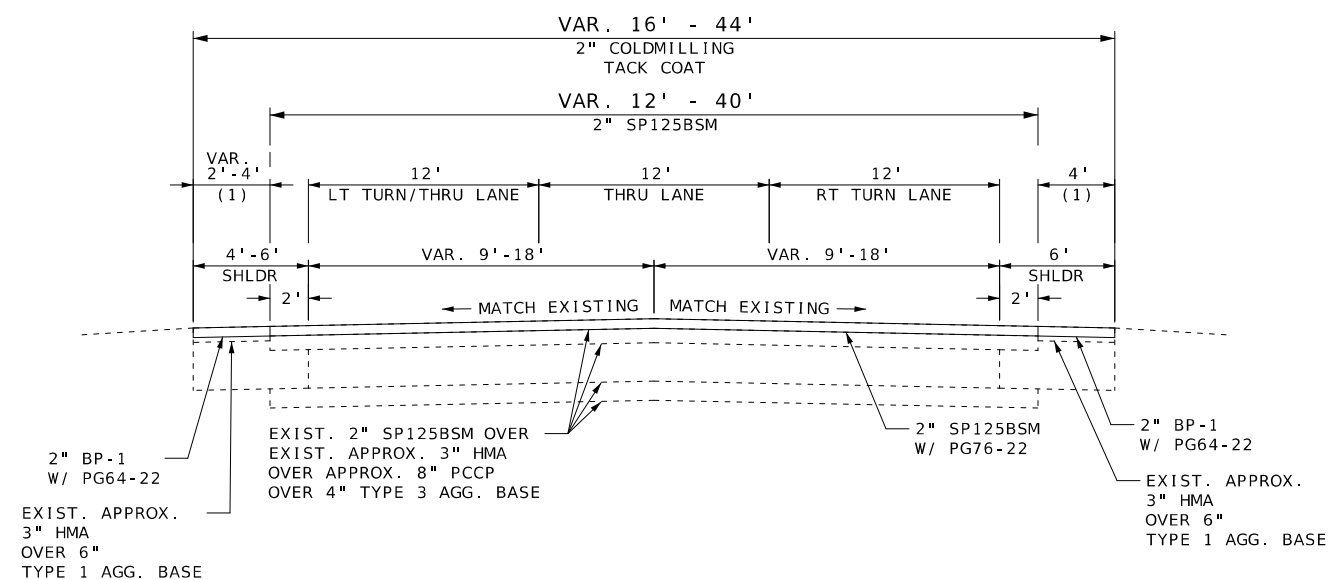
DESCRIPTION

DATE

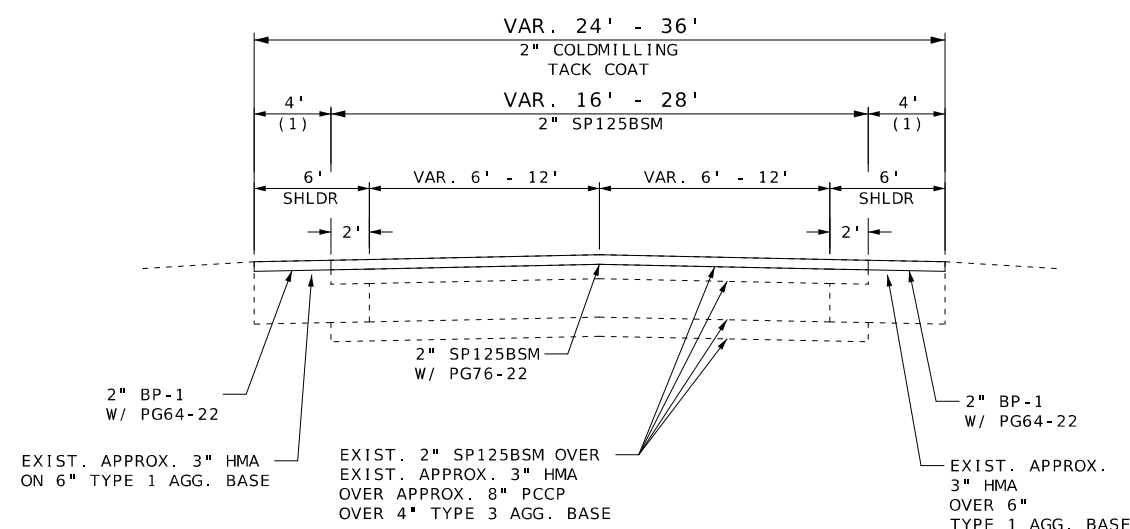
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

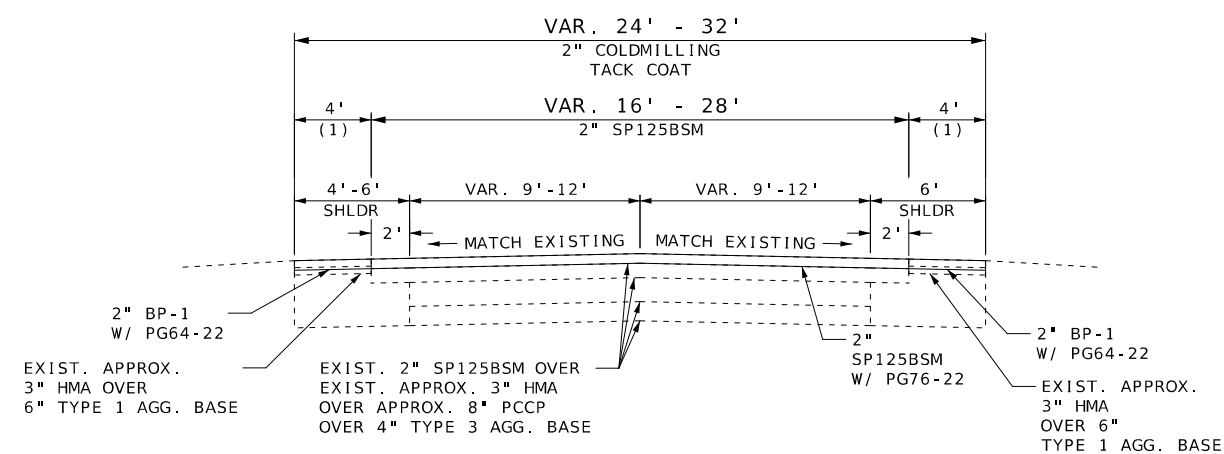


NB I-435 OFF RAMP TO NE PARVIN RD. N
LOG MILE 0.000 TO 0.199

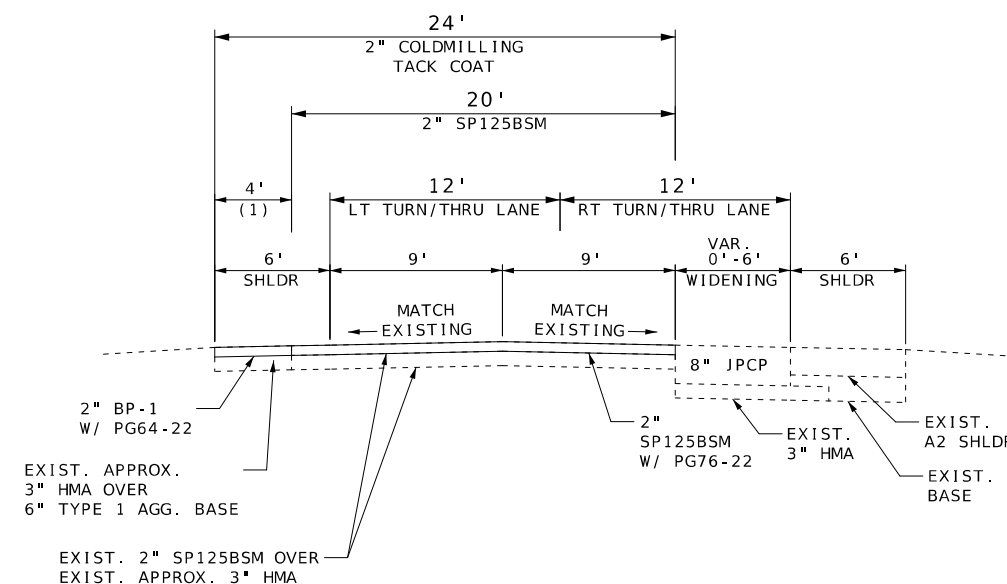


OUTER RD./NE 48TH ST. TO NB I-435 ON RAMP
LOG MILE 0.000 TO 0.220

NOTES:
(1) 2" BP-1
W/ PG64-22



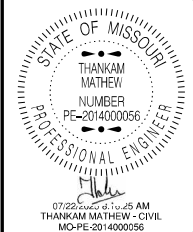
NE PARVIN RD. TO SB I-435 ON RAMP
LOG MILE 0.000 TO 0.164



SB I-435 OFF RAMP TO RANDOLPH RD./NE 48TH ST.
LOG MILE 0.000 TO 0.217

SOUTHBOUND COLDMILLING QUANTITIES								
BEGIN LOG MILE SB	END LOG MILE SB	LENGTH FT	LOCATION	MAINLINE WIDTH FT	SHOULDER WIDTH FT	MAINLINE COLDMILLING (3 IN. THICK OR LESS) SY	SHOULDER COLDMILLING (3 IN. THICK OR LESS) SY	REMARKS
32.045	32.105	316.8	I-435	28	10	985.6	352.0	BEGIN PROJECT, 2 LANES
32.105	32.182	406.56	I-435	52	8	2,349.0	361.4	I-35 TO I-435, 2 LANES TO 4 LANES
32.182	32.256	390.72	I-435	64	8	2,778.5	347.3	US69 TO I-435, 4 LANES TO 5 LANES
32.256	32.303	248.16	I-435	VARIES 52' TO 64'	10	1,599.3	275.7	TAPER 5 LANES TO 4 LANES
32.303	32.384	427.68	I-435	52	10	2,471.0	475.2	4 LANES
32.384	32.427	227.04	I-435	VARIES 40' TO 52'	10	1,160.4	252.3	TAPER 4 LANES TO 3 LANES
32.427	32.451	126.72	I-435	40	10	563.2	140.8	3 LANES
32.451	32.599	781.44	I-435	32	VARIES 8' -10'	2,778.5	781.4	EXCEPT CONCRETE MEDIAN WIDENING
32.599	33.210	3226.08	I-435	40	10	14,338.1	3,584.5	
33.210	33.252	221.76	I-435	VARIES 40' TO 52'	VARIES 6' TO 10'	1,133.4	197.1	TAPER 3 LANES TO 4 LANES
33.252	33.326	390.72	I-435	52	6	2,257.5	260.5	4 LANES
33.326	33.525	1050.72	I-435	40	10	4,669.9	1,167.5	3 LANES, BR. A1667 EXCEPTION
33.525	34.372	4329.6	I-435	40	10	19,242.7	4,810.7	BR. A1674 EXCEPTION
34.401	34.556	818.4	I-435	40	10	3,637.3	909.3	
34.556	34.848	1541.76	I-435	52	8	8,907.9	1,370.5	3 LANES TO 4 LANES
34.848	34.933	448.8	I-435	36	2	1,795.2	99.7	CONCRETE LANE AND SHOULDER
34.933	35.062	681.12	I-435	24		1,816.3		CONCRETE LANE AND SHOULDERS, BR. A8179 EXCEPTION
35.062	35.162	364.32	I-435	VARIES 20' TO 22'		40.5		CONCRETE PAVEMENT EXCEPTION
35.162	35.216	285.12	I-435	VARIES 20' TO 24'		697.0		
35.216	35.253	195.36	I-435	36		781.4		CONCRETE AUX. LANE
35.253	35.272	100.32	I-435	VARIES 25' TO 36'		328.8		
35.272	35.352	422.4	I-435	25		1,173.3		END PROJECT
SUBTOTAL						75,504.80	15,385.90	
SUBTOTAL						90,890.70		
SUBTOTAL (1)						90,891		

NORTHBOUND COLDMILLING QUANTITIES								
BEGIN LOG MILE NB	END LOG MILE NB	LENGTH FT	LOCATION	MAINLINE WIDTH FT	SHOULDER WIDTH FT	MAINLINE COLDMILLING (3 IN. THICK OR LESS) SY	SHOULDER COLDMILLING (3 IN. THICK OR LESS) SY	REMARKS
19.867	19.992	660	I-435	36		2,640.0		END PROJECT
19.992	20.038	242.88	I-435	24		647.7		CONC. LANE
20.038	20.099	322.08	I-435	18		644.2		CONC. STRIP ALONG INSIDE LANE
20.099	20.138	205.92	I-435	18		411.8		BR. A8178 EXCEPTION
20.165	20.311	770.88	I-435	27	8	2,312.6	685.2	
20.311	20.820	2687.52	I-435	52	10	15,527.9	2,986.1	BR. A1674 EXCEPTION
20.850	21.670	4329.6	I-435	52	10	25,015.5	4,810.7	BR. A1667 EXCEPTION
21.697	22.771	5670.72	I-435	52	10	32,764.2	6,300.8	
22.771	22.913	749.76	I-435	40	12	3,332.3	999.7	
22.913	22.963	264	I-435	VARIES 40' TO 64'	8	1,525.3	234.7	3 LANES TO 5 LANES
22.963	23.017	285.12	I-435	64	8	2,027.5	253.4	5 LANES
23.017	23.057	211.2	I-435	50	4	1,173.3	93.9	4 LANES
23.057	23.152	501.6	I-435	28	12	1,560.5	668.8	BEGIN PROJECT, 2 LANES
SUBTOTAL						89,582.80	17,033.30	
SUBTOTAL						106,616.10		
SUBTOTAL (2)						106,617		



DATE PREPARED 7/14/2025	
ROUTE 435	STATE MO
DISTRICT KC	SHEET NO. 3
COUNTY CLAY	
JOB NO. JKU0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION								

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)
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RAMPS AND OUTER ROADS COLDMILLING QUANTITIES								
BEGIN LOG MILE	END LOG MILE	LENGTH FT	LOCATION	MAINLINE WIDTH FT	SHOULDER WIDTH FT	MAINLINE COLDMILLING (3 IN. THICK OR LESS) SY	SHOULDER COLDMILLING (3 IN. THICK OR LESS) SY	REMARKS
0.010	0.024	73.92	CST. RANDOLPH RD. S	VARIES 42' TO 120'		665.3		OUTER ROAD WEST OF SB I-435
0.024	0.044	105.6	CST. RANDOLPH RD. S	42		492.8		OUTER ROAD WEST OF SB I-435
0.044	0.053	47.52	CST. RANDOLPH RD. S	VARIES 32' TO 42'		195.4		OUTER ROAD WEST OF SB I-435
0.053	0.125	380.16	CST. RANDOLPH RD. S	32		1,351.7		OUTER ROAD WEST OF SB I-435
0.000	0.036	190.08	US69 S TO SB I-435 ON RAMP	22	4	464.6	84.5	SB US69 TURN LANE TO I-435 SB
0.010	0.032	116.16	US69 N TO SB I-435 ON RAMP	22	4	283.9	51.6	NB US69 TURN LANE TO I-435 SB
0.032	0.141	575.52	US69 N TO SB I-435 ON RAMP	22	6	1,406.8	383.7	
0.350	0.417	353.76	NB I-35 TO SB I-435	28	6	2,279.8	235.8	
0.000	0.059	311.52	NB I-435 TO SB I-35	28	6	969.2	207.7	
0.059	0.143	443.52	NB I-435 TO SB I-35	VARIES 28' TO 50'	6	1,921.9	295.7	
0.000	0.116	612.48	NB I-435 TO US69 N	22	6	1,497.2	408.3	
0.116	0.142	137.28	NB I-435 TO US69 N	VARIES 22' TO 34'	6	427.1	137.3	TAPER TO TWO LANES
0.142	0.202	316.8	NB I-435 TO US69 N	VARIES 16' TO 28'	8	774.4	281.6	
0.000	0.194	1024.32	OUTER RD./NE 48TH ST. TO NB I-435	VARIES 16' TO 28'	8	2,503.9	910.5	TAPER TWO LANES TO ONE LANE
0.194	0.220	137.28	OUTER RD./NE 48TH ST. TO NB I-435	16	8	244.1	122.0	
0.000	0.217	1145.76	SB I-435 TO RANDOLPH RD./NE 48TH ST.	20	4	2,546.1	509.2	
0.000	0.072	380.16	NB I-435 TO NE PARVIN RD.	VARIES 12' TO 40'	8	1,098.2	337.9	TAPER TO THREE LANES
0.072	0.199	670.56	NB I-435 TO NE PARVIN RD.	40	6	2,980.3	447.0	THREE LANES
0.000	0.164	865.92	NE PARVIN RD. TO SB I-435	VARIES 16' TO 28'	8	2,116.7	769.7	
SUBTOTAL						24,219.50	5,182.50	
SUBTOTAL (3)						29,402.00		
SUBTOTAL (1) + SUBTOTAL (2) + SUBTOTAL (3)						226,852		
PAY TOTAL						226,852		

SOUTHBOUND PAVEMENT QUANTITIES										
BEGIN LOG MILE SB	END LOG MILE SB	LENGTH FT	LOCATION	MAINLINE WIDTH FT	SHOULDER WIDTH FT	MAINLINE 2" SP125BSM W/ PG76-22 TON	SHOULDER 2" BP-1 W/ PG64-22 TON	MAINLINE TACK COAT GAL	SHOULDER TACK COAT GAL	REMARKS
32.045	32.105	316.8	I-435	28	10	107.38	38.80	98.56	35.20	BEGIN PROJECT, 2 LANES
32.105	32.182	406.56	I-435	52	8	255.91	39.83	234.90	36.14	I-35 TO I-435, 2 LANES TO 4 LANES
32.182	32.256	390.72	I-435	64	8	302.70	38.28	277.85	34.73	US69 TO I-435, 4 LANES TO 5 LANES
32.256	32.303	248.16	I-435	VARIES 52' TO 64'	10	174.23	30.39	159.93	27.57	TAPER 5 LANES TO 4 LANES
32.303	32.384	427.68	I-435	52	10	269.21	52.38	247.10	47.52	4 LANES
32.384	32.427	227.04	I-435	VARIES 40' TO 52'	10	126.42	27.81	116.04	25.23	TAPER 4 LANES TO 3 LANES
32.427	32.451	126.72	I-435	40	10	61.36	15.52	56.32	14.08	3 LANES
32.451	32.599	781.44	I-435	32	VARIES 8'-10'	302.70	86.13	277.85	78.14	EXCEPT CONCRETE MEDIAN WIDENING
32.599	33.210	3226.08	I-435	40	10	1562.06	395.10	1433.81	358.45	
33.210	33.252	221.76	I-435	VARIES 40' TO 52'	VARIES 6' TO 10'	123.48	16.30	113.34	19.71	TAPER 3 LANES TO 4 LANES
33.252	33.326	390.72	I-435	52	6	245.94	28.71	225.75	26.05	4 LANES
33.326	33.525	1050.72	I-435	40	10	508.76	128.68	466.99	116.75	3 LANES, BR. A1667 EXCEPTION
33.552	34.372	4329.6	I-435	40	10	2096.38	530.24	1924.27	481.07	BR. A1674 EXCEPTION
34.401	34.556	818.4	I-435	40	10	396.27	100.23	363.73	90.93	
34.556	34.848	1541.76	I-435	52	8	970.47	151.05	890.79	137.05	3 LANES TO 4 LANES
34.848	34.933	448.8	I-435	36	2	195.58	10.99	179.52	9.97	CONCRETE LANE AND SHOULDER
34.933	35.062	681.12	I-435	24		197.88		181.63		CONCRETE LANE AND SHOULDERS, BR. A8179 EXCEPTION
35.093	35.162	364.32	I-435					0.00		CONCRETE PAVEMENT EXCEPTION
35.162	35.216	285.12	I-435	VARIES 20' TO 24'		75.93		69.70		
35.216	35.253	195.36	I-435	36		85.13		78.14		CONCRETE AUX. LANE
35.253	35.272	100.32	I-435	VARIES 25' TO 36'		37.04		34.00		
35.272	35.352	422.4	I-435	25		127.83		117.33		END PROJECT
SUBTOTAL						8,222.66	1,690.44	7,547.55	1,538.59	
SUBTOTAL						8,222.7	1,690.5	9,086.1		
SUBTOTAL (1)						8,222.7	1,690.5	9,087		

STATE OF MISSOURI

THANKAM MATHEW

NUMBER

PE-2014000056

PROFESSIONAL ENGINEER

07/22/2025 9:11:42 AM

THANKAM MATHEW - CIVIL

MO-PE-2014000056

DATE PREPARED

7/14/2025

ROUTE

435

STATE

MO

DISTRICT

KC

SHEET NO.

3

COUNTY

CLAY

JOB NO.

JKU0030

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

MoDOT

SUMMARY OF QUANTITIES
SHEET 2 OF 8

NORTHBOUND PAVEMENT QUANTITIES										
BEGIN LOG MILE NB	END LOG MILE NB	LENGTH FT	LOCATION	MAINLINE WIDTH FT	SHOULDER WIDTH FT	MAINLINE 2" SP125BSM W/ PG76-22 TON	SHOULDER 2" BP-1 W/ PG64-22 TON	MAINLINE TACK COAT GAL	SHOULDER TACK COAT GAL	REMARKS
19.867	19.992	660.00	I-435	36		287.61		264.00		END PROJECT
19.992	20.038	242.88	I-435	24		70.56		64.77		CONC. LANE
20.038	20.099	322.08	I-435	18		70.18		64.42		CONCRETE STRIP ALONG INSIDE LANE
20.099	20.138	205.92	I-435	18		44.87		41.18		BR. A8178 EXCEPTION
20.165	20.311	770.88	I-435	27	8	251.95	75.53	231.26	68.52	
20.311	20.820	2687.52	I-435	52	10	1691.68	329.14	1552.79	298.61	BR. A1674 EXCEPTION
20.850	21.670	4329.60	I-435	52	10	2725.30	530.24	2501.55	481.07	BR. A1667 EXCEPTION
21.697	22.771	5670.72	I-435	52	10	3569.47	694.49	3276.42	630.08	
22.771	22.913	749.76	I-435	40	12	363.03	110.19	333.23	99.97	
22.913	22.963	264.00	I-435	VARIES 40' TO 64'	8	166.18	25.87	152.53	23.47	3 LANES TO 5 LANES
22.963	23.017	285.12	I-435	64	8	220.89	27.93	202.75	25.34	5 LANES
23.017	23.057	211.20	I-435	50	4	127.83	10.35	117.33	9.39	4 LANES
23.057	23.152	686.40	I-435	28	12	170.01	73.72	156.05	66.88	BEGIN PROJECT, 2 LANES
SUBTOTAL						9,759.56	1,877.46	8,958.28	1,703.33	
SUBTOTAL						9,759.60	1,877.50	10,661.61		
SUBTOTAL (2)						9,759.6	1,877.5	10,662		

RAMPS AND OUTER ROADS PAVEMENT QUANTITIES												
BEGIN LOG MILE	END LOG MILE	LENGTH FT	LOCATION	MAINLINE WIDTH FT	SHOULDER WIDTH FT	MAINLINE 2" SP125BSM W/ PG76-22 TON	MAINLINE 2" BP-1 W/PG64-22 TON	SHOULDER 2" BP-1 W/PG64-22 TON	MAINLINE TACK COAT GAL	SHOULDER TACK COAT GAL	REMARKS	
0.010	0.024	73.92	CST. RANDOLPH RD. S	VARIES 42' TO 120'			73.33		66.53		OUTER ROAD WEST OF SB I-435	
0.024	0.044	105.6	CST. RANDOLPH RD. S	42			54.32		49.28		OUTER ROAD WEST OF SB I-435, 3 LANES	
0.044	0.053	47.52	CST. RANDOLPH RD. S	VARIES 32' TO 42'			47.14		19.54		OUTER ROAD WEST OF SB I-435, 3 LANES TO 2 LANES	
0.053	0.125	380.16	CST. RANDOLPH RD. S	32			148.99		135.17		OUTER ROAD WEST OF SB I-435, 2 LANES	
0.000	0.036	190.08	US69 S TO SB I-435 ON RAMP	22	4	50.62		9.31	46.46	8.45	SB US69 TURN LANE TO I-435 SB	
0.010	0.032	116.16	US69 N TO SB I-435 ON RAMP	22	4	30.93		5.69	28.39	5.16	NB US69 TURN LANE TO I-435 SB	
0.032	0.141	575.52	US69 N TO SB I-435 ON RAMP	22	6	153.27		42.29	140.68	38.37		
0.350	0.417	353.76	NB I-35 TO SB I-435	28	6	119.90		25.99	110.06	23.58		
0.000	0.059	311.52	NB I-435 TO SB I-35	28	6	105.59		22.89	96.92	20.77		
0.059	0.143	443.52	NB I-435 TO SB I-35	VARIES 28' TO 50'	6	209.38		32.59	162.62	29.57		
0.000	0.116	612.48	NB I-435 TO US69 N	22	6	163.11		45.01	149.72	40.83		
0.116	0.142	137.28	NB I-435 TO US69 N	VARIES 22' TO 34	6	46.53		10.09	42.71	9.15	TAPER TO TWO LANES	
0.142	0.202	316.8	NB I-435 TO US69 N	VARIES 16' TO 28'	8	84.37		31.04	77.44	28.16		
0.000	0.194	1024.32	OUTER RD./NE 48TH ST. TO NB I-435	VARIES 16' TO 28'	8	272.79		100.36	250.39	91.05	TAPER TWO LANES TO ONE LANE	
0.194	0.220	137.28	OUTER RD./NE 48TH ST. TO NB I-435	16	8	26.59		13.45	24.41	12.20		
0.000	0.217	1145.76	SB I-435 TO RANDOLPH RD./NE 48TH ST.	20	4	277.39		56.13	254.61	50.92		
0.000	0.072	380.16	NB I-435 TO NE PARVIN RD.	VARIES 12' TO 40'	8	119.65		37.25	109.82	33.79	TAPER TO THREE LANES	
0.072	0.199	670.56	NB I-435 TO NE PARVIN RD.	40	6	324.68		49.27	298.03	44.70	THREE LANES	
0.000	0.164	865.92	NE PARVIN RD. TO SB I-435	VARIES 16' TO 28'	8	230.60		84.84	211.67	76.97		
SUBTOTAL						2,215.40	323.78	566.20	2,274.45	513.67		
SUBTOTAL (3)						2,215.4	323.8	566.2	2,788.12			
SUBTOTAL (1) + SUBTOTAL (2) + SUBTOTAL (3)						20,192.6	323.8	4,132.9	22,531.12			
PAY TOTAL						20,192.6	4,456.7		22,532			

STATE OF MISSOURI

THANKAM MATHEW

NUMBER
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PROFESSIONAL ENGINEER

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DATE PREPARED
7/14/2025

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DISTRICT
KC

SHEET NO.
3

COUNTY
CLAY

JOB NO.
JKU0030

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

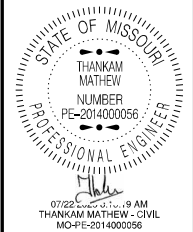
JEFFERSON CITY, MO 65102

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

MoDOT

SOUTHBOUND PAVEMENT MARKING									
BEGIN LOG MILE SB	END LOG MILE SB	LENGTH FT	LOCATION	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS					REMARKS
				6" INTER. WHITE LF	6" SOLID WHITE LF	6" DOTTED WHITE LF	6" SOLID YELLOW LF	12" SOLID WHITE LF	
32.045	32.105	316.8	I-435	79.20			316.80	316.80	2 LANES
32.105	32.182	406.56	I-435	304.92			406.56	406.56	I-35 TO I-435, 2 LANES TO 4 LANES
32.182	32.256	390.72	I-435	293.04	390.72	97.68	390.72		US69 TO I-435, 4 LANES TO 5 LANES
32.256	32.303	248.16	I-435	186.12	248.16		248.16		5 LANES TO 4 LANES
32.303	32.383	422.4	I-435	211.20	422.40	105.60			4 LANES
32.383	32.426	227.04	I-435	113.52	227.04		227.04		4 LANES TO 3 LANES
32.426	33.233	4260.96	I-435	2130.48	4260.96		4260.96		3 LANES TO 4 LANES
33.233	33.326	491.04	I-435	245.52	491.04	122.76	491.04		4 LANES
33.326	33.383	300.96	I-435	150.48			300.96	300.96	3 LANES, 48TH ST.
33.383	34.518	5992.8	I-435	2996.40	5992.80		5992.80		3 LANES
34.518	34.580	327.36	I-435	163.68			327.36	327.36	4 LANES, NE PARVIN RD.
34.580	34.918	1784.64	I-435	892.32	1784.64	446.16	1784.64		4 LANES
34.918	34.969	269.28	I-435	134.64			269.28	269.28	3 LANES
34.969	35.176	1092.96	I-435	546.48	1092.96		1092.96		3 LANES
35.176	35.236	316.8	I-435	158.40			316.80	316.80	3 LANES
35.238	35.352	601.92	I-435	300.96	601.92	150.48	601.92		4 LANES
SUBTOTAL				8,907.36	15,512.64	922.68	17,028.00	1,937.76	
SUBTOTAL				25,342.68			17,028.00	1,937.76	
SUBTOTAL (1)				25,343			17,028	1,938	

NORTHBOUND PAVEMENT MARKING										
BEGIN LOG MILE NB	END LOG MILE NB	LENGTH FT	LOCATION	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS						REMARKS
				6" INTER. WHITE LF	6" SOLID WHITE LF	6" DOTTED WHITE LF	6" SOLID YELLOW LF	12" DOTTED WHITE LF	12" SOLID WHITE LF	
19.867	19.920	279.84	I-435	139.92	279.84		279.84			3 LANES
19.920	19.985	343.2	I-435	171.60	343.20	85.80	343.20			3 LANES TO 4 LANES
19.985	20.028	227.04	I-435	113.52	227.04		227.04		227.04	3 LANES
20.028	20.344	1668.48	I-435	834.24	1668.48		1668.48			3 LANES
20.344	20.409	343.2	I-435	171.60	343.20		343.20		343.20	3 LANES
20.409	20.624	1135.2	I-435	567.60	1135.20	283.80	1135.20			4 LANES
20.624	20.680	295.68	I-435	147.84	295.68		295.68		295.68	3 LANES, NE PARVIN RD.
20.680	21.813	5982.24	I-435	2991.12	5982.24		5982.24			3 LANES
21.813	21.868	290.4	I-435	145.20	290.40		290.40		290.40	3 LANES, NE 48TH ST.
21.868	21.931	332.64	I-435	166.32	332.64	83.16	332.64			4 LANES
21.931	22.185	1341.12	I-435	670.56	1341.12		1341.12			4 LANES TO 3 LANES
22.185	22.908	3817.44	I-435	954.36	3817.44		3817.44	954.36		3 LANES
22.908	22.947	205.92	I-435	102.96	205.92	51.48	205.92			3 LANES TO 4 LANES
22.947	23.017	369.6	I-435	184.80	369.60	184.80	369.60			4 LANES TO 5 LANES
23.017	23.057	211.2	I-435	105.60			211.20		422.40	I-435 TO US69, 5 LANES TO 4 LANES
23.057	23.146	469.92	I-435	117.48			469.92		469.92	I-435 TO I-35, 4 LANES TO 2 LANES
23.146	23.187	216.48	I-435	54.12	216.48		216.48			2 LANES
SUBTOTAL				7,638.84	16,848.48	689.04	17,529.60	954.36	2,048.64	
SUBTOTAL				25,176.36			17,529.60	954.36	2,048.64	
SUBTOTAL (2)				25,177			17,530	3,003		



DATE PREPARED 7/14/2025	
ROUTE 435	STATE MO
DISTRICT KC	SHEET NO. 3
COUNTY CLAY	
JOB NO. JKU0030	
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)

RAMPS AND OUTER ROADS PAVEMENT MARKING									
BEGIN LOG MILE	END LOG MILE	LENGTH FT	LOCATION	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS					REMARKS
				6" INTER. WHITE LF	6" SOLID WHITE LF	6" DOTTED WHITE LF	6" SOLID YELLOW LF	12" SOLID WHITE LF	
0.010	0.024	73.92	CST RANDOLPH RD. S		295.68		73.92		OUTER ROAD WEST OF SB I-435
0.024	0.044	105.60	CST RANDOLPH RD. S		316.80		105.60		OUTER ROAD WEST OF SB I-435
0.044	0.125	427.68	CST RANDOLPH RD. S		855.36		427.68		OUTER ROAD WEST OF SB I-435
0.000	0.036	190.08	US69 S TO SB I-435 ON RAMP		230.00		190.08		ISLAND
0.010	0.032	116.16	US69 N TO SB I-435 ON RAMP		116.16				TURN LANE TO ON RAMP
0.032	0.098	348.48	US69 N TO SB I-435 ON RAMP		348.48		348.48		
0.098	0.141	227.04	US69 N TO SB I-435 ON RAMP		227.04			227.04	
0.350	0.417	353.76	NB I-35 TO SB I-435	88.44	353.76			353.76	
0.000	0.077	406.56	NB I-435 TO SB I-35		813.12	101.64			
0.077	0.122	237.60	NB I-435 TO SB I-35		237.60	59.40	237.60		
0.122	0.143	110.88	NB I-435 TO SB I-35		110.88		110.88	221.76	
0.000	0.057	300.96	NB I-435 TO US69 N		300.96			300.96	
0.057	0.147	475.20	NB I-435 TO US69 N		475.20		475.20		
0.147	0.202	290.40	NB I-435 TO US69 N		580.80		290.40		LT/RT AND RT TURN ARROWS
0.000	0.139	733.92	OUTER RD./NE 48TH ST. TO NB I-435		733.92		733.92		
0.139	0.220	427.68	OUTER RD./NE 48TH ST. TO NB I-435				427.68	427.68	
0.000	0.085	448.80	SB I-435 TO RANDOLPH RD./NE 48TH ST.		448.80			448.80	
0.085	0.111	137.28	SB I-435 TO RANDOLPH RD./NE 48TH ST.		137.28		137.28		
0.111	0.217	559.68	SB I-435 TO RANDOLPH RD./NE 48TH ST.		1119.36		559.68		
1.265	1.498	1230.24	CST RANDOLPH RD. S		2460.48		2460.48		OUTER ROAD WEST OF SB I-435, DOUBLE YELLOW
0.000	0.043	227.04	NB I-435 TO NE PARVIN RD.		227.04			227.04	
0.043	0.080	195.36	NB I-435 TO NE PARVIN RD.		195.36		195.36		
0.080	0.199	628.32	NB I-435 TO NE PARVIN RD.		2014.96		628.32		ISLAND
0.000	0.225	1188.00	CST RANDOLPH RD. S						EAST OF NB I-435 OUTER ROAD, DOUBLE YELLOW
0.000	0.049	258.72	NE PARVIN RD. TO SB I-435	64.68	408.72		258.72		ISLAND
0.049	0.127	411.84	NE PARVIN RD. TO SB I-435		411.84		411.84		
0.127	0.164	195.36	NE PARVIN RD. TO SB I-435		195.36			195.36	
0.000	0.024	126.72	MO210 W TO I-435 N		375.00				ISLAND
0.019	0.048	153.12	MO210 E TO I-435 N		153.12		153.12		
0.048	0.154	559.68	MO210 E TO I-435 N		559.68		559.68		
0.154	0.235	427.68	MO210 E TO I-435 N		427.68			427.68	
0.000	0.044	232.32	I-435 S TO MO210 W		232.32			232.32	
0.044	0.099	290.40	I-435 S TO MO210 W		290.40		290.40		
0.099	0.158	311.52	I-435 S TO MO210 W		934.56		311.52		
0.158	0.190	168.96	I-435 S TO MO210 W		168.96		168.96		
0.115	0.140	132.00	I-435 S TO MO210 E		332.00				
0.094	0.133	205.92	MO210 E TO I-435 S		205.92		205.92		TURN LANE TO RAMP
0.000	0.052	274.56	MO210 W TO I-435 S		274.56		274.56		TURN LANE TO RAMP
0.052	0.087	184.80	MO210 W TO I-435 S	46.20	184.80		184.80		
0.087	0.148	322.08	MO210 W TO I-435 S		322.08			322.08	
0.000	0.042	221.76	I-435 N TO MO210 W		221.76			221.76	
0.042	0.087	237.60	I-435 N TO MO210 W		237.60		237.60		
0.087	0.140	279.84	I-435 N TO MO210 W	69.96	279.84		279.84		
0.140	0.162	116.16	I-435 N TO MO210 W		231.16		116.16		
0.139	0.154	79.20	I-435 N TO MO210 E	19.80	79.20				
0.154	0.173	100.32	I-435 N TO MO210 E	25.08	100.32		100.32		OFF RAMP TO RT TURN LANES
SUBTOTAL				314.16	17,758.08	161.04	10,348.80	3,606.24	
SUBTOTAL (3)				18,233.28			10,348.80	3,606.24	
SUBTOTAL (1) + SUBTOTAL (2) + SUBTOTAL (3)				68,753.28			44,906.80	8,547.24	
PAY TOTAL				68,754			44,907	8,548	

RAMPS AND OUTER ROADS PAVEMENT MARKING										
BEGIN LOG MILE	END LOG MILE	LENGTH FT	LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING						REMARKS
				24 " WHITE SOLID LF	24" YELLOW SOLID LF	LEFT/RIGHT ARROW EA	COMBINATION STR/LT/RT EA	STRAIGHT ARROW EA	WORD (ONLY) EA	
0.010	0.010	0.00	CST RANDOLPH RD. S	12.00						STOP BAR
0.147	0.202	290.40	NB I-435 TO US69 N	40.00		2.00	2.00			LT/RT AND RT TURN ARROWS
0.111	0.217	559.68	SB I-435 TO RANDOLPH RD./NE 48TH ST.	55.00			6.00			3 STR/LT ARROWS, 3 STR/RT ARROWS
0.080	0.199	628.32	NB I-435 TO NE PARVIN RD.	48.00		3.00	3.00	3.00	3.00	ISLAND, STR/LT, STR, RT ARROWS
0.000	0.024	126.72	MO210 W TO I-435 N	60.00						4 HASH BARS
0.099	0.158	311.52	I-435 S TO MO210 W			6.00				
0.115	0.140	132.00	I-435 S TO MO210 E	73.00	124.00	2.00				3 CHEVRONS AND 4 HASH BARS
0.087	0.140	279.84	I-435 N TO MO210 W			5.00				
0.140	0.162	116.16	I-435 N TO MO210 W	63.00	122.00	2.00				2 CHEVRONS, 5 HASH BARS
0.154	0.173	100.32	I-435 N TO MO210 E	24.00						OFF RAMP TO RT TURN LANES
PAY TOTAL				363	246	20	11	3	3	

STATE OF MISSOURI

THANKAM MATHIEW

NUMBER PE-2014000056

PROFESSIONAL ENGINEER

07/22/2025 9:10:42 AM

THANKAM MATHIEW - CIVIL

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DATE PREPARED

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ROUTE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

PARTIAL DEPTH PAVEMENT REPAIR (SB AND NB)						
NUMBER OF LOCATIONS	AREA	DEPTH	REMOVAL FOR CLASS B	FURN. / PLACING BIT. MATL. FOR CLASS B	** TACK COAT	REMARKS
EA	SY	IN	SY	TON	GAL	
2	24	5	48.0	13.07	4.8	VARIOUS LOCATION
PAY TOTAL			48.0	13.1	5	

7/14/2025

435 | MO

KC	3
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CLAY

IKU0030

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PROJECT NO.

BRIDGE NO.

[illegible]

FULL DEPTH PAVEMENT REPAIR (SB AND NB)									
LENGTH	WIDTH	AREA	NUMBER OF LOCATIONS	SAW CUTS	FURN./PLACING CONCRETE MATERIAL	SUBGRADE COMPACTION (6 IN. DEPTH)	4 IN. TYPE 1 OR 5 AGGREGATE FOR BASE	DOWEL BAR	REMARKS
FT	FT	SY	EA	LF	SY	SY	SY	EA	
6	12	8	8	288	64.0	6.4	6.4	480	VARIOUS LOCATIONS
PAY TOTAL				288	64.0	7	7	480	

SUMMARY OF QUANTITIES
SHEET 7 OF 8

EFFECTIVE : 04-01-2024																				
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	DESCRIPTION	SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	DESCRIPTION	ITEM	TOTAL	DESCRIPTION
IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NUM.	IN.		SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NUM.	NUMBER	QTY				
WARNING SIGNS								DESCRIPTION	GUIDE SIGNS								DESCRIPTION	NUMBER	QTY	DESCRIPTION
W01-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00	4	48				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						EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
W01-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00	4	40				ROAD WORK NEXT 3.3 MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
W01-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00	4	32				END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
W01-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50	2	9				PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
W01-4L	48X48	16.00	2	32				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		REPLACEMENT SAND BARREL
W01-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00	4	24				WORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)
W01-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00						END DETOUR	6123001		TRUCK MOUNTED ATTENUATOR (TMA)
W01-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6161008		ADVANCED WARNING RAIL SYSTEM
W01-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)
W01-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)
W01-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
W01-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161025	450	CHANNELIZER (TRIM-LINE)
W01-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS								6161030	22	TYPE 3 MOVEABLE BARRICADE	
W01-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161033	60	DIRECTION INDICATOR BARRICADE
W01-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI	6.93	4	27.72				YIELD	6161040	8	FLASHING ARROW PANEL
W03-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER
W03-2	48X48	16.00	4	64				YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161055	60	SEQUENTIAL FLASHING WARNING LIGHT
W03-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	8	96				SPEED LIMIT 55	6161070		TUBULAR MARKER
W03-4	48X48	16.00						BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM
W03-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
W04-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS	6161099	2	CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
W04-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
W04-1aL	48X48	16.00	4	64				MERGE (LEFT)	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
W04-1aR	48X48	16.00	4	64				MERGE (RIGHT)	R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
W05-1	48X48	16.00	4	64				ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS	6173600D		TEMPORARY TRAFFIC BARRIER
W05-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE	6173602B		CONTRACTOR FURNISHED/RETAINED
W05-5	48X48	16.00	4	64				NARROW LANES	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
W06-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
W06-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	6176000B		TEMPORARY TRAFFIC BARRIER
W06-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6208064A		TEMPORARY RAISED PAVEMENT MARKER
W07-3a	30X24	5.00	4	20				NEXT 1.5 MILES (PLAQUE)	R5-1a	36X24	6.00						DO NOT ENTER	9029400		TEMPORARY TRAFFIC SIGNALS
W08-1	48X48	16.00						BUMP	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
W08-2	48X48	16.00						DIP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)			
W08-3	48X48	16.00						PAVEMENT ENDS	R6-2L	24X30	5.00						ONE WAY (LEFT)			
W08-4	48X48	16.00						SOFT SHOULDER	R6-2R	24X30	5.00						ONE WAY (RIGHT)			
W08-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-9	24X12	2.00						SIDEWALK CLOSED			
W08-6	48X48	16.00						TRUCK CROSSING	R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE			
W08-6c	48X48	16.00						TRUCK ENTRANCE	R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE			
W08-7	36X36	9.00						LOOSE GRAVEL	R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)			
W08-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL	R11-2	48X30	10.00						ROAD CLOSED			
W08-9	48X48	16.00						LOW SHOULDER	R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD			
W08-11	48X48	16.00						UNEVEN LANES	R11-4	60X30	12.50						LOCAL TRAFFIC ONLY			
W08-12	48X48	16.00						NO CENTER LINE	CONST-3A	60X48	20.00						ROAD CLOSED TO THRU TRAFFIC			
W08-15	48X48	16.00						GROOVED PAVEMENT	CONST-3X	56X12	4.67						FINE SIGN			
W08-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	MISCELLANEOUS SIGNS								POINT OF PRESENCE			
W08-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	CONST-5	48X36	12.00						POINT OF PRESENCE			
W08-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)	CONST-5	96X48	32.00	2	64				POINT OF PRESENCE			
W08-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)	CONST-7	48X24	8.00						RATE OUR WORK ZONE			
W10-1	42RND.	9.62						RAILROAD CROSSING	CONST-7	72X36	18.00						RATE OUR WORK ZONE			
W012-1	24X24	4.00						DOUBLE DOWN												

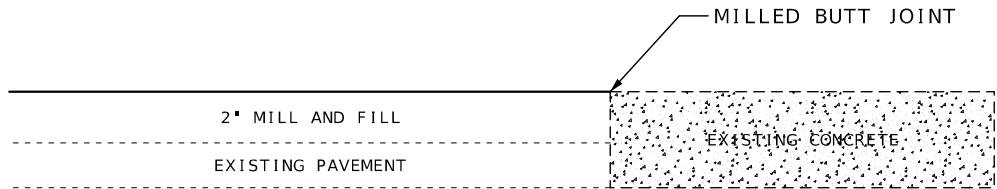
STATE OF MISSOURI
THANKAM
MATHEW
NUMBER
PE-2014000056
07:28:00 PM - 09 AM
THANKAM MATHEW - CIVIL
MO-PE-2014000056
DATE PREPARED
7/14/2025
ROUTE
435
STATE
MO
DISTRICT
KC
SHEET NO.
3
COUNTY
CLAY
JOB NO.
JKU0030
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION

DATE

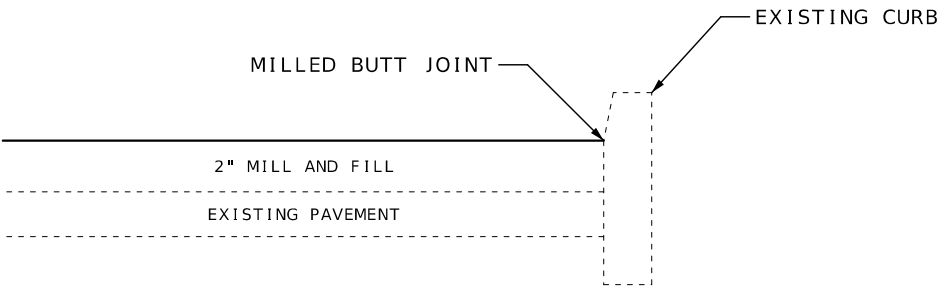
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

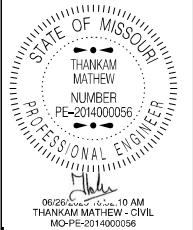


DETAIL BY CONCRETE PAVEMENT

NOTES:
(1) TRANSITION MAY BE ADJUSTED
TO MATCH FIELD CONDITIONS AS
APPROVED BY ENGINEER



RESURFACING DETAIL
CONCRETE CURB



DATE PREPARED	
6/3/2025	
ROUTE	STATE
435	MO
DISTRICT	SHEET NO.
KC	4
COUNTY	
CLAY	
JOB NO.	
JKU0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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JEFFERSON CITY, MO 65102
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Sign Spacing, Device Spacing
and Channelizing Taper Lengths

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

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

NOTES:

DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.

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

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

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

TAPER LENGTH (L):

L = WS FOR 40 MPH OR MORE

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

FOR SHOULDER TAPER USE L/3

WHERE:

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

S = POSTED SPEED IN MPH

TRAFFIC CONTROL DEVICES

GENERAL NOTES:

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

TRAFFIC CONTROL LEGEND

-  SIGN (SINGLE SIDED)
-  SIGN (DOUBLE SIDED)
-  FLAGGER
-  DIRECTIONAL INDICATOR BARRICADE
-  CHANNELIZER
-  BARRICADE
-  CHANGEABLE MESSAGE BOARD
-  TRUCK MOUNTED ATTENUATOR
W/ FLASHING ARROW

TEMPORARY TRAFFIC CONTROL

SHEET 1 OF 12

STATE OF MISSOURI

THANKAM MATHIEW

NUMBER

PE-2014000066

PROFESSIONAL ENGINEER



06/28/2025 10:47 AM
THANKAM MATHIEW - CIVIL
MO-PE-2014000066

DATE PREPARED
6/3/2025

ROUTE
435

STATE
MO

DISTRICT
KC

SHEET NO.
5

COUNTY
CLAY

JOB NO.
JKU0030

CONTRACT ID.

PROJECT NO.

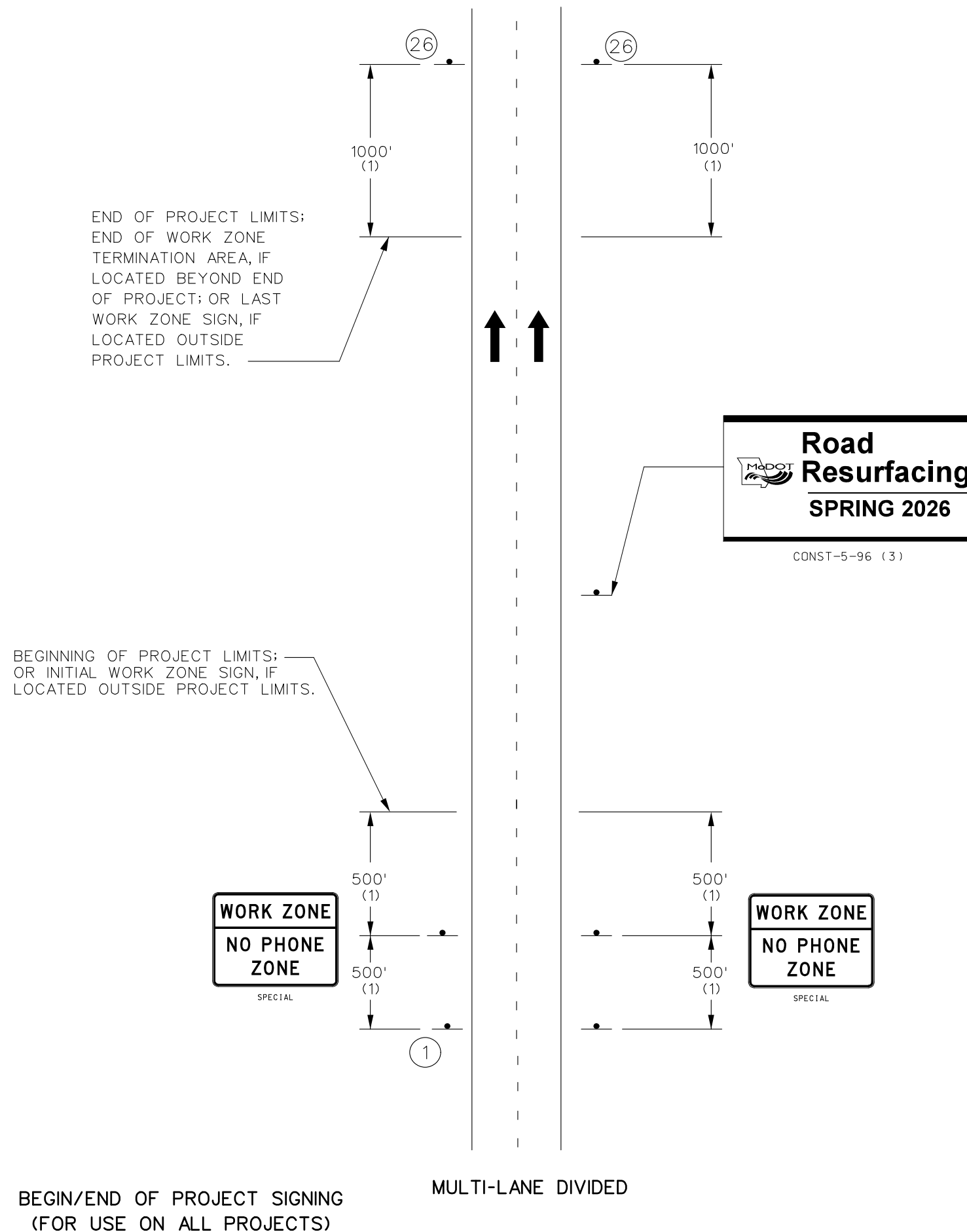
BRIDGE NO.

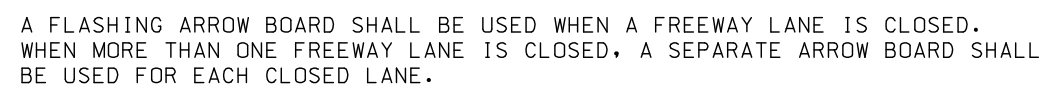
DESCRIPTION									
DATE									

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



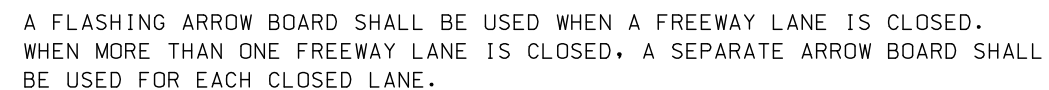
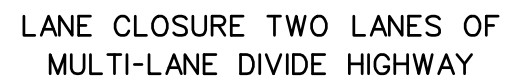
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



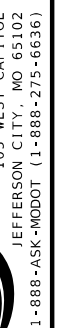


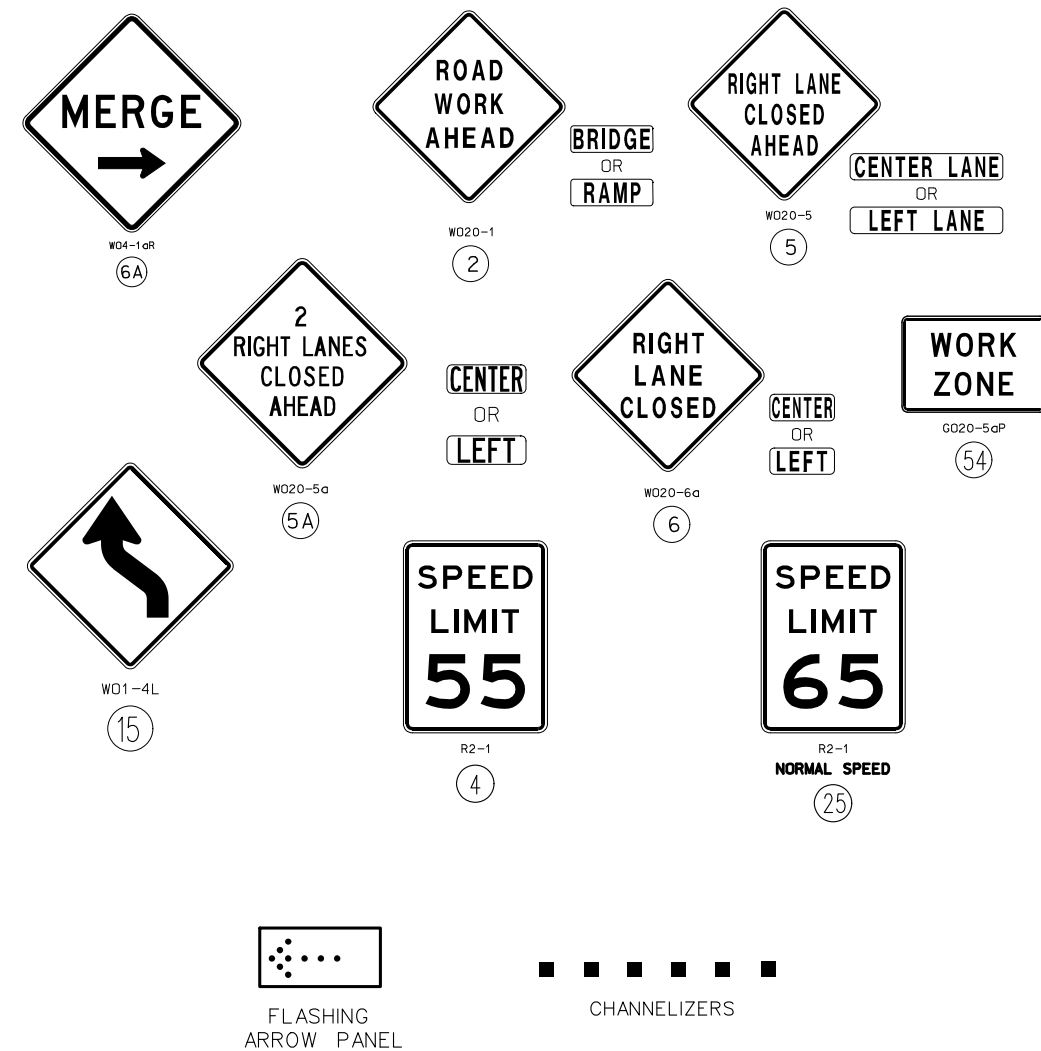
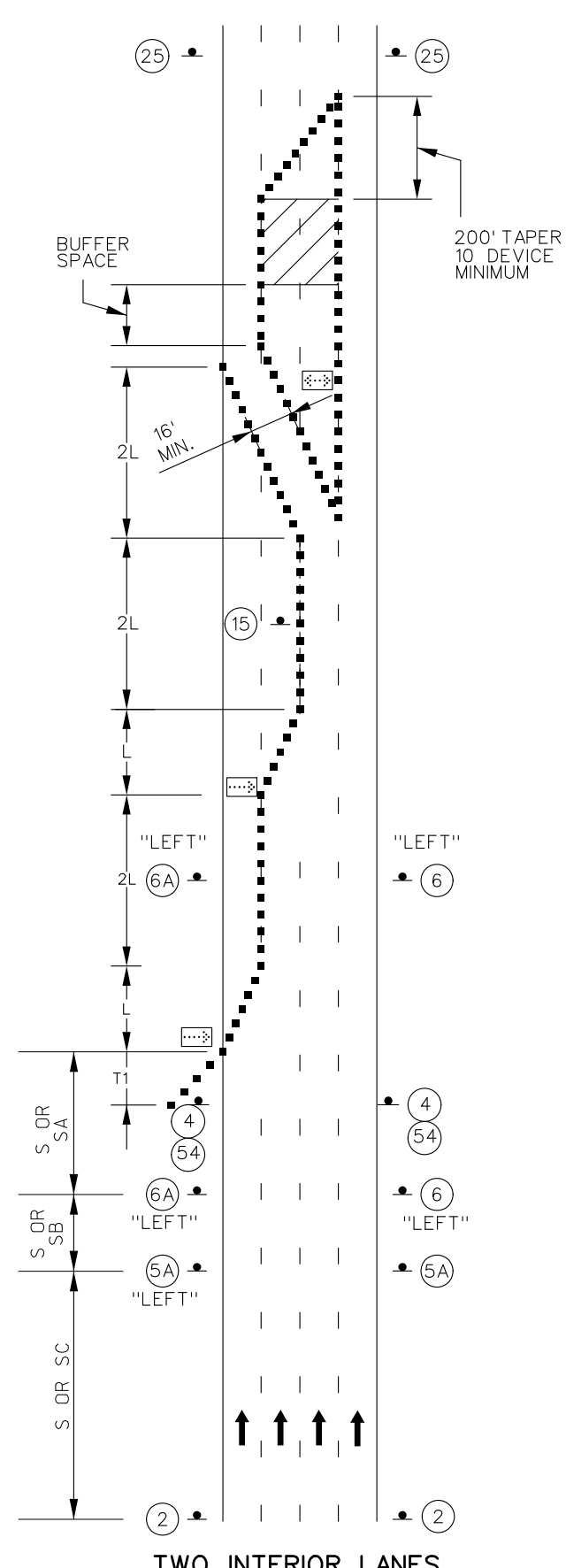
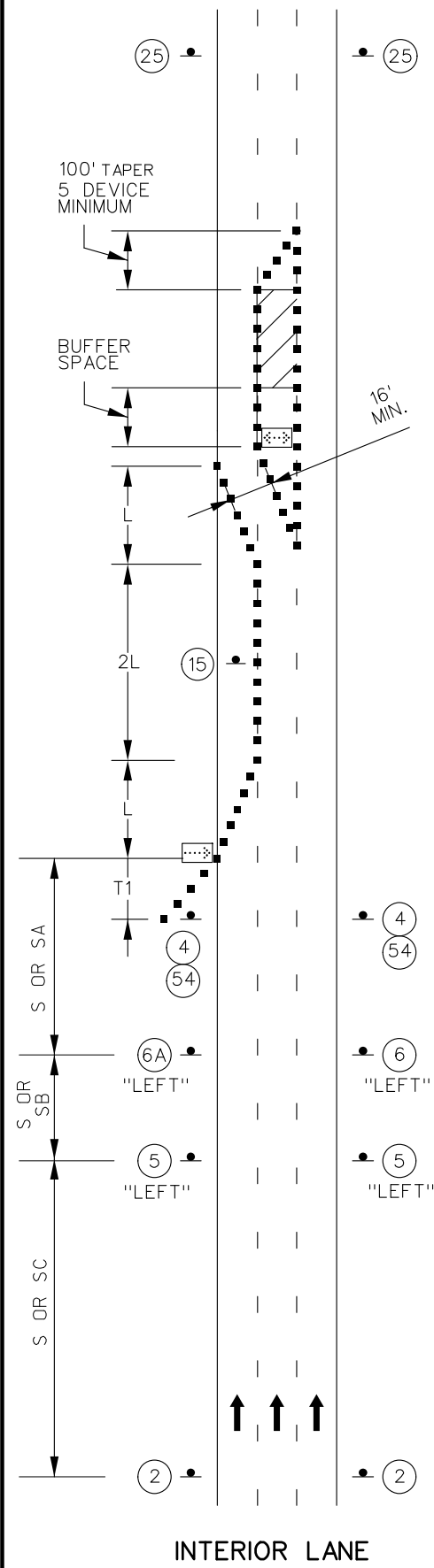
LANE CLOSURE
MULTI LANE
TEMPORARY
TRAFFIC CONTROL
SHEET 3 OF 12





DOUBLE LANE CLOSURE
ON A FREEWAY
TEMPORARY
TRAFFIC CONTROL
SHEET 4 OF 12

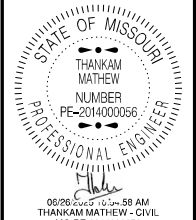




- NOTES:

- (1). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
- (2). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- (3). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- (4). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- (5). ALTERNATIVE TEMPORARY TRAFFIC CONTROL SET-UPS SHOULD BE CONSIDERED WHEN REDUCTION IN CAPACITY CANNOT BE TOLERATED.
- (6). FOR NIGHTTIME OPERATIONS, REVIEW EPG 616.6.83 WARNING LIGHT FOR USE OF SEQUENTIAL LIGHTS.

INTERIOR LANE
CLOSURE ON FREEWAY
TEMPORARY
TRAFFIC CONTROL
SHEET 5 OF 12

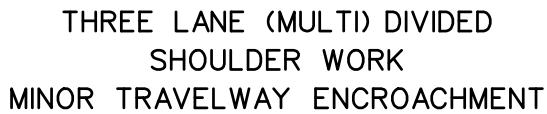


MOPE-2014000056	
DATE PREPARED	
6/3/2025	
ROUTE	STATE
435	MO
DISTRICT	SHEET NO.
KC	9
COUNTY	
CLAY	
JOB NO.	
JKU0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

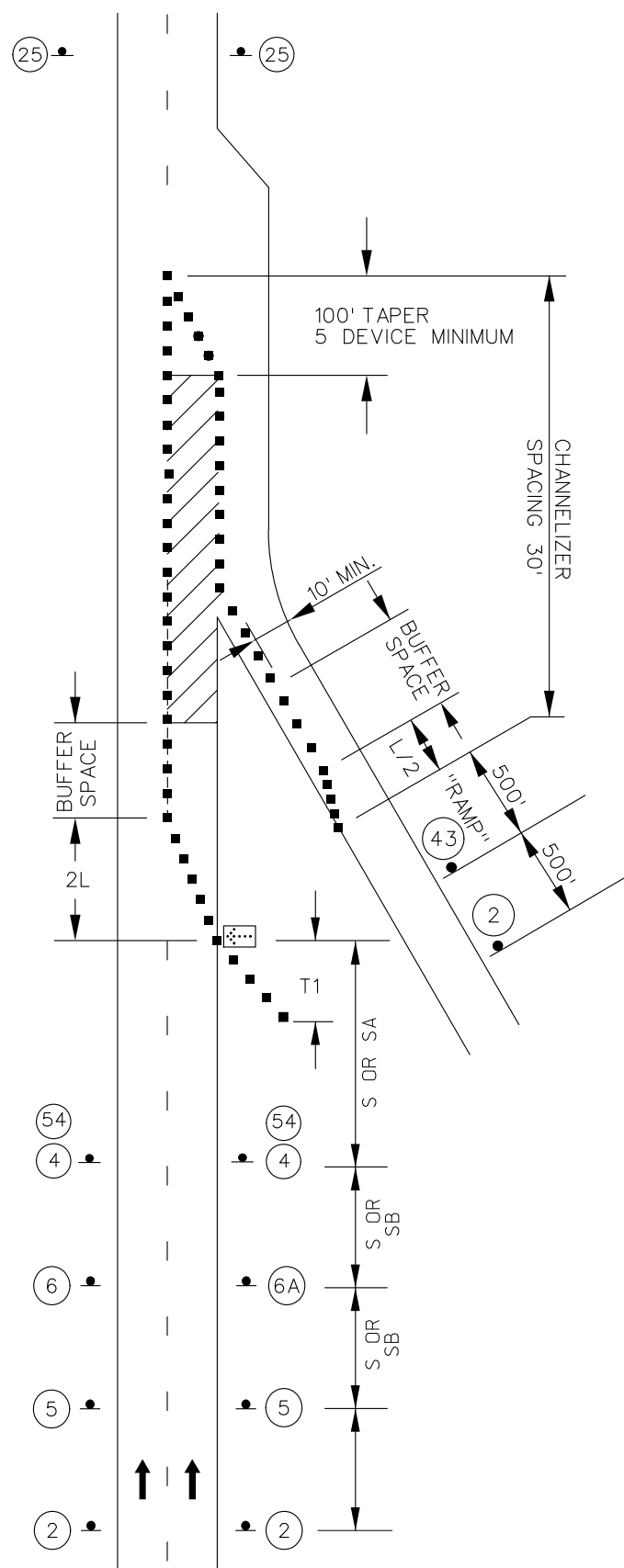
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



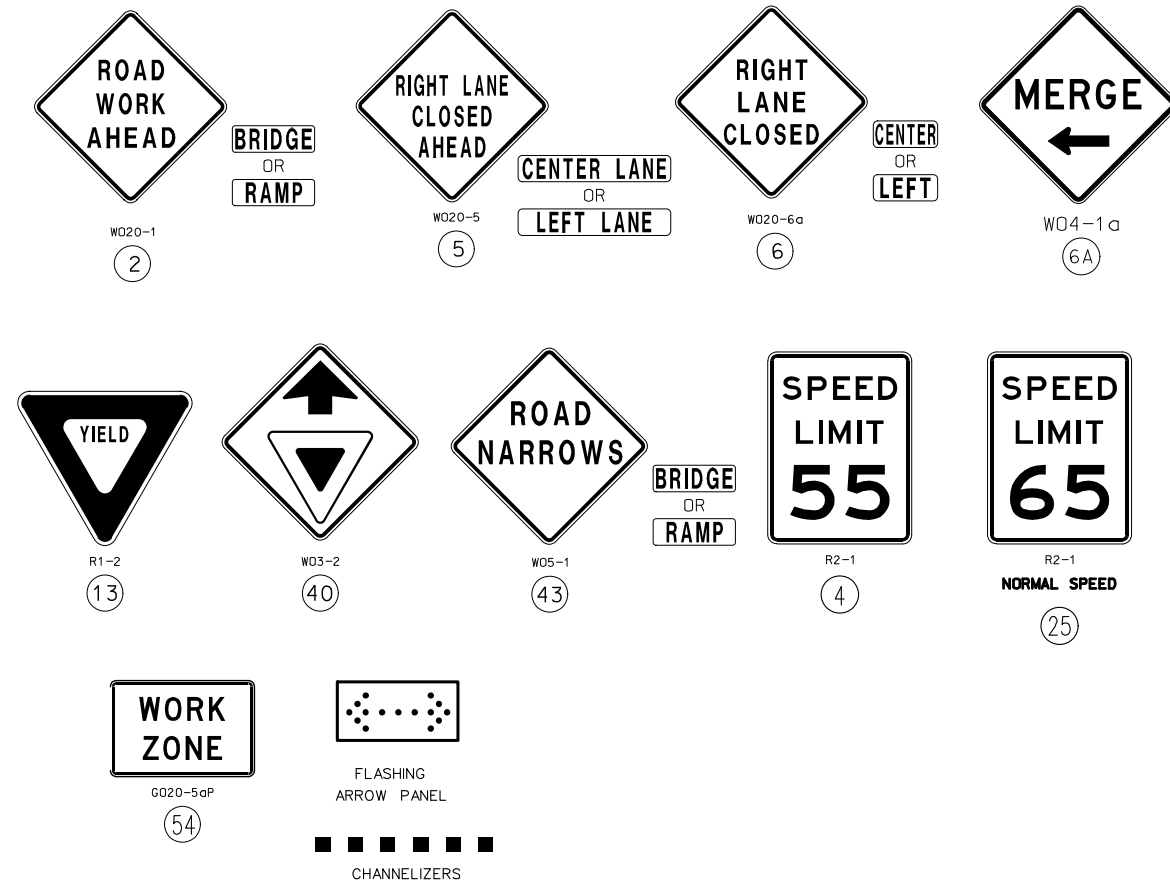
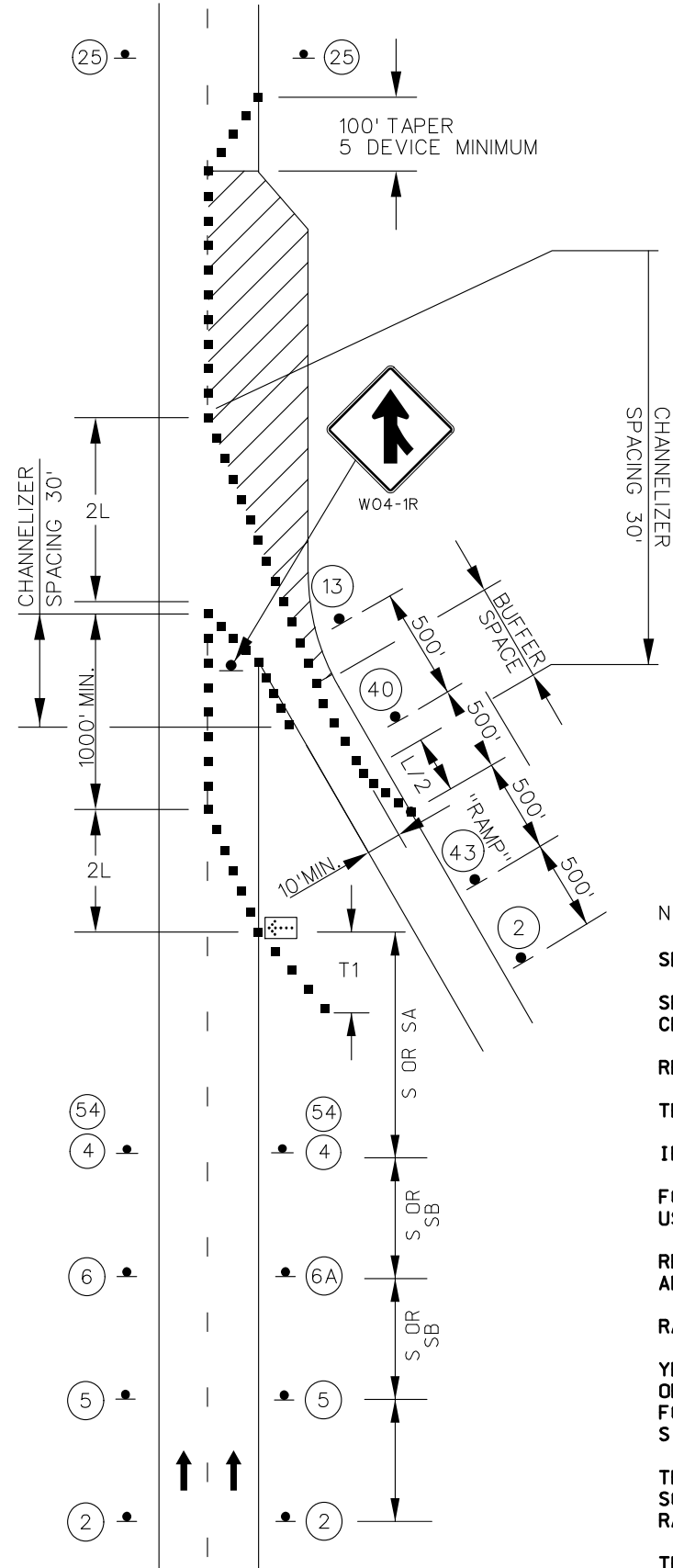
(1). SIGN 44A NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

SHOULDER WORK
MINOR ENCROACHMENT
TEMPORARY
TRAFFIC CONTROL
SHEET 6 OF 12

[illegible]



LANE CLOSURE
ENTRANCE RAMP AREAS



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).

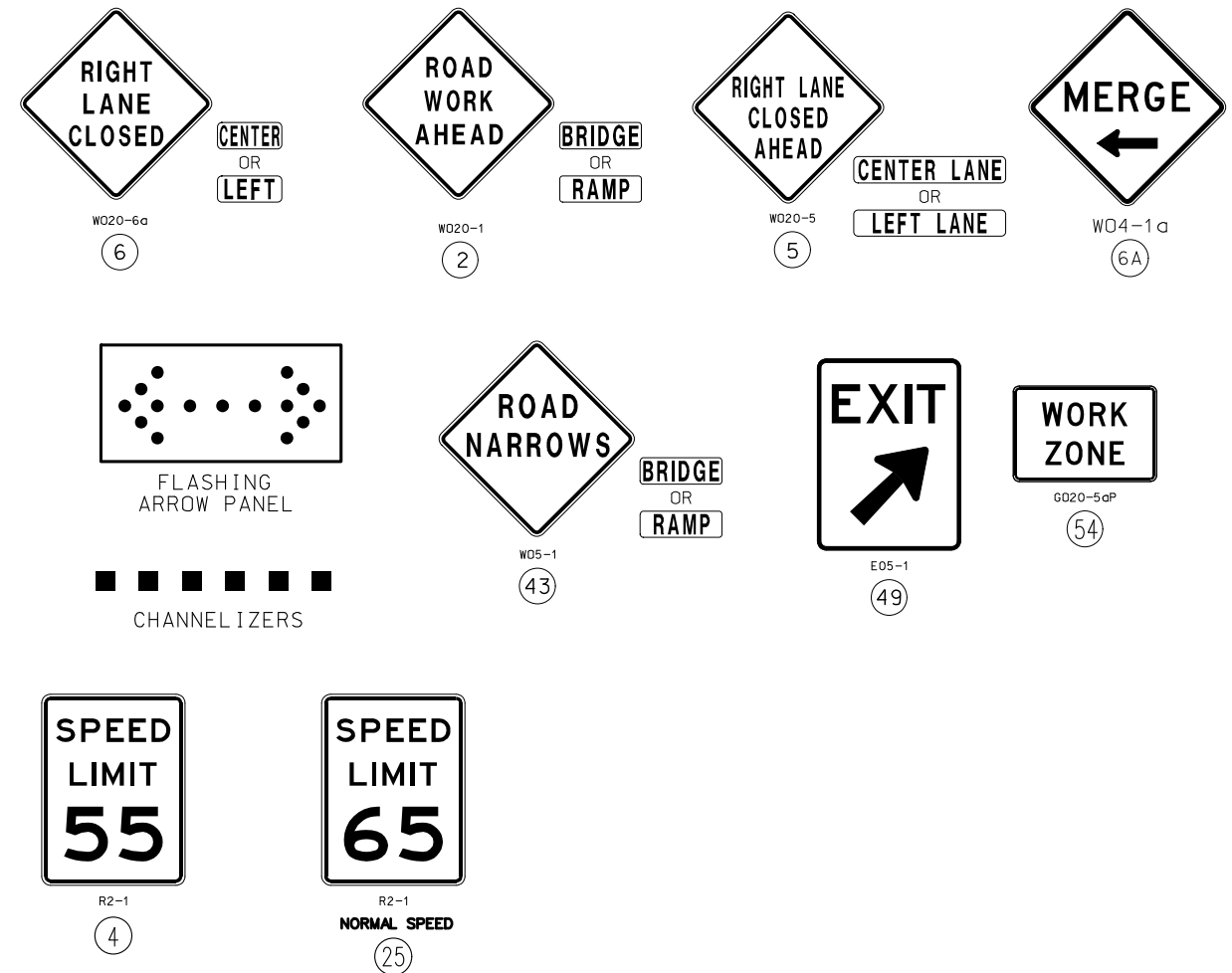
THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORISTS ON THE RAMP.

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.

WORK IN VICINITY
OF ENTRANCE RAMP
TEMPORARY
TRAFFIC CONTROL
SHEET 7 OF 12

STATE OF MISSOURI THAKAM MATHIEW NUMBER PE-2014000056 PROFESSIONAL ENGINEER 06/28/2025 10:04:10 AM THAKAM MATHIEW - CIVIL MO-PE-2014000056	
DATE PREPARED 6/3/2025	
ROUTE 435	STATE MO
DISTRICT KC	SHEET NO. 11
COUNTY CLAY	
JOB NO. JKU0030	
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)	



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.

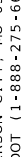
FOR NIGHT TIME OPERATIONS, REVIEW EPG 616.6.83 WARNING LIGHTS FOR
USE OF SEQUENTIAL LIGHTS.

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

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

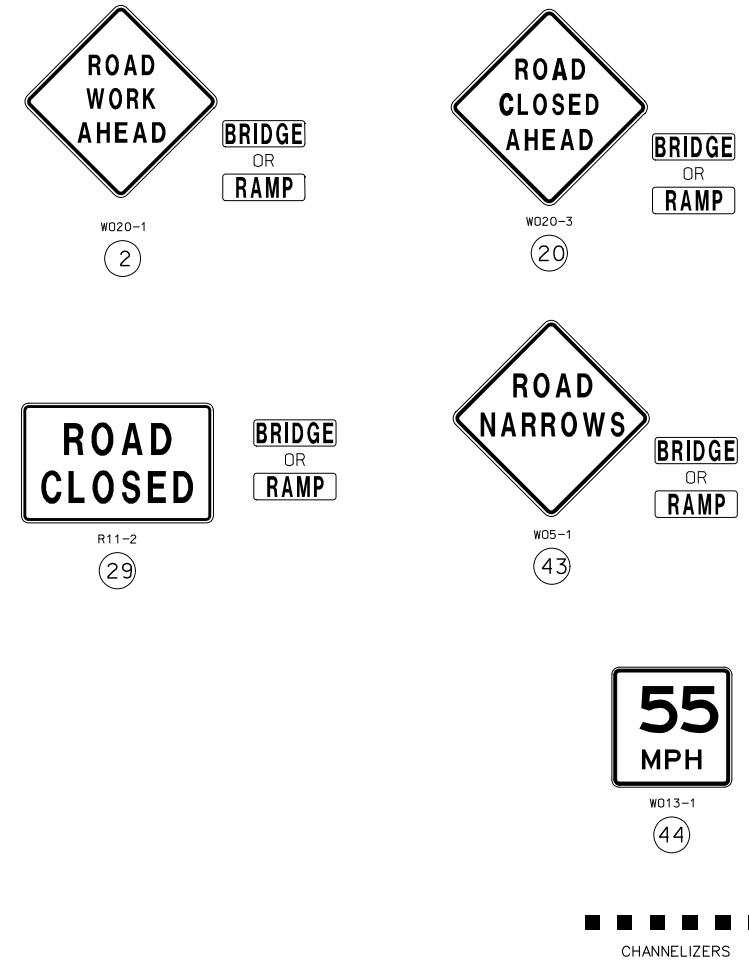
(2). FIVE CHANNELIZER DEVICE MINIMUM.

WORK IN VICINITY
OF EXIT RAMP
TEMPORARY
TRAFFIC CONTROL
SHEET 8 OF 12



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
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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.

TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.

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

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

PARTIAL OR TOTAL
EXIT RAMP CLOSURE
TEMPORARY
TRAFFIC CONTROL
SHEET 9 OF 12

[illegible]

NOT TO SCALE



W020-1

2



W020-4

7



W020-7a

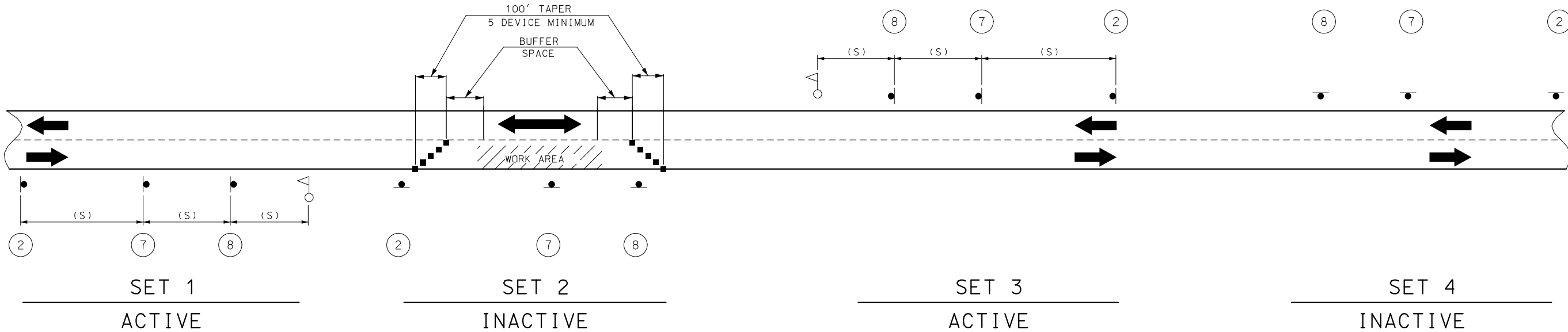
8



6020-4

53

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



NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

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

SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC) SIGN SETS 2 AND 4 ARE INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED BETWEEN SIGN SETS 1 AND 3.

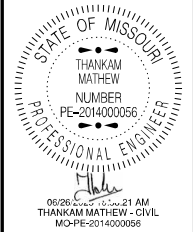
WHEN SIGN SETS 2 AND 4 ARE ACTIVE, SIGN SETS 1 AND 3 BECOME INACTIVE AND ARE ADVANCED TO BECOME SETS 2 AND 4 WITH SIGN LEGENDS TURNED AWAY FROM BOTH DIRECTIONS OF TRAFFIC. WHEN THE RESURFACING OPERATION ADVANCES TO BETWEEN SIGN SETS 2 AND 4, SIGN SETS 2 AND 4 BECOME ACTIVE (I.E., NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E., NEW SIGN SETS 2 AND 4).

■ - CHANNELIZERS

○ - FLAGGER

TEMPORARY TRAFFIC CONTROL

SHEET 10 OF 12



DATE PREPARED 6/3/2025	
ROUTE 435	STATE MO
DISTRICT KC	SHEET NO. 14
COUNTY CLAY	
JOB NO. JKU0030	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



TEMPORARY TRAFFIC CONTROL
STRIPING ON MULTI-LANE HIGHWAY
SHEET 12 OF 12

NOTES:

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

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

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

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

FLASHING ARROW PANELS SHALL BE INCIDENTAL TO TRUCK MOUNTED
ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

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

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

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

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

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

[illegible]