

DESIGN DESIGNATION		
A.A.D.T. - 2025	90,000	
A.A.D.T. - 2045	110,000	
T	VARIOUS	
V	= VARIOUS M.P.H.	
FUNCTIONAL CLASSIFICATION- INTERSTATE		

NO NEW RIGHT OF WAY REQUIRED FOR THIS PROJECT

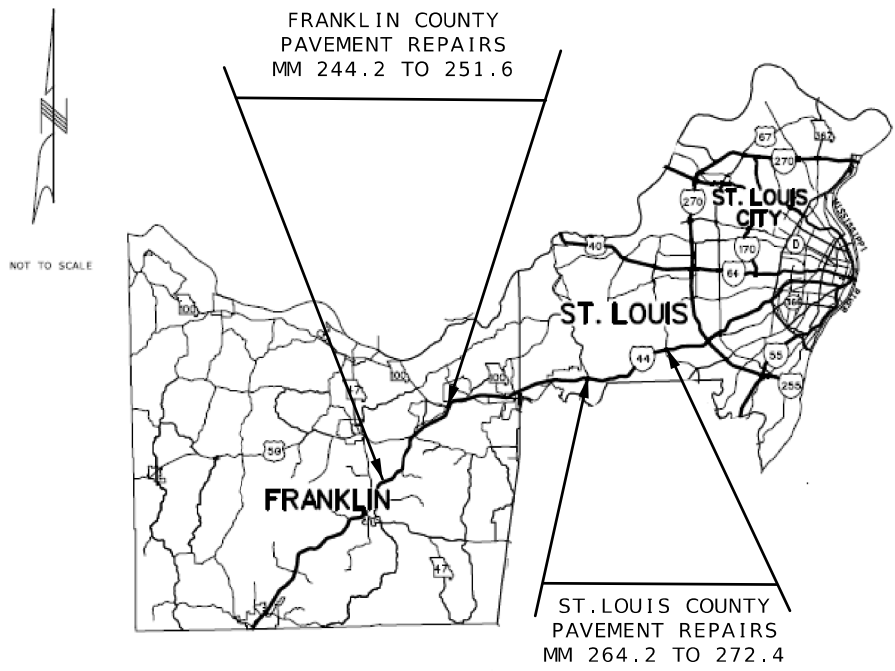
CONVENTIONAL SYMBOLS (USED IN PLANS)		
	EXISTING	NEW
BUILDINGS AND STRUCTURES	C=J	== GUARD
RAIL	-3-3-3-3-	
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		0
UTILITIES		
FIBER OPTICS	-F-O-	--- '-9---
OVERHEAD TELEPHONE	---O---	
UNDERGROUND TELEPHONE	---T---	~~~~~
OVERHEAD POWER	---D---	
UNDERGROUND POWER	---P---	~~~~~
GAS	---G---	-----6-----
WATER	---W---	-----W-----
MANHOLE		SAN ⊕
FIRE HYDRANT		HYD ⊕
WATER VALVE		WV ⊕
WATER METER		WM ⊕
DROP INLET		DI ⊕
DITCH BLOCK		□
GROUND MOUNTED SIGN		
LIGHT POLE		⌋
H-FRAME POWER POLE		D-0
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		---V---
WOVEN WIRE		---X---
GATE POST		81
BENCHMARK		"0
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES		

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

I-44

Franklin & St. Louis Counties



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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		STATE OF MISSOURI BARRY M. BERGMAN NUMBER PE-17887 PROFESSIONAL ENGINEER THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY. DATE PREPARED 5/27/2025 ROUTE I - 44 DISTRICT SL STATE MO SHEET NO. 1 COUNTY FRANKLIN/ST. LOUIS JOB NO. JSLM0072 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) TITLE SHEET	
DESCRIPTION	SHEET NUMBER		
TITLE SHEET.....	1		
QUANTITIES (QU) (2 SHEETS)	3		
TRAFFIC CONTROL SHEETS (TC) ...	4-11		

LENGTH OF PROJECT		
PAVEMENT REPAIRS ST. LOUIS COUNTY	MM 264.2 TO 272.4	
PAVEMENT REPAIRS FRANKLIN COUNTY	MM 244.2 TO 251.6	
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES		0 ACRES

FULL DEPTH PAVEMENT REPAIRS										
ROADWAY	APPROXIMATE STARTING LOCATION	APPROXIMATE ENDING LOCATION	FURNISHING AND PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIR (SQ YD)*	SUBGRADE COMPACTION 6 IN. DEPTH FOR PAVEMENT REPAIR (SQ YD)	TYPE 1 OR 5 BASE 4 IN. THICK FOR PAVEMENT REPAIR (SQ YD)	FULL DEPTH PAVMENT REPAIR SAW CUT FOR PERIMETER AND INTERNAL SAW CUTS (LF)	DOWEL BAR DRILLING, FUNISHING AND INSTALLATION FOR FULL DEPTH PAVEMENT REPAIR (EA)	DOWELL BAR (FUNISHING AND INSTALLATION WITH BASKETS FOR FULL DEPTH PAVMENT REPAIR (EA)	TIE BAR DRILLING, FUNISHING AND INSTALLATION FOR FULL DEPTH PAVMENT REPAIR. TYPE L JOINTS (EA)	REMARKS
I-44 EB	MM 244.2	MM 251.6	828	828	83	3006	1100	132	44	Franklin County. From Highway AH to Hw 100 (Washington). Approximatley 60 repairs.
I-44 WB	MM 251.6	MM 244.2	1172	1172	118	4362	1820	168	99	Franklin County. From Highway 100 (Washington) to Hwy AH. Approximately 95 repairs.
I-44 EB	MM 264.2	MM 272.4	768	768	77	3120	1460	48	44	St. Louis County. From West of Hwy 105 to Hwy 141. Repairs Lane 2 & Lane 3 Only. Approximately 75 repairs.
I-44 WB	MM 272.4	MM 264.2	1284	1284	129	5195	1900	240	133	St. Louis County. From West of Hwy 141 to Hwy 109. Repairs Lane 2 & Lane 3 Only. Approximately 100 repairs.
TOTALS			4052	4052	407	15683	6280	588	320	

* Pavement repair location and size and to be determined by the engineer. The minimum size of a pavement repair will be 6' x 12'.

MOBILIZATION - 1 LUMP SUM



DATE PREPARED 5/27/2025	
ROUTE I - 44	STATE MO
DISTRICT SL	SHEET NO. 3
COUNTY FRANKLIN / ST. LOUIS	
JOB NO. JSLM0072	
CONTRACT ID.	

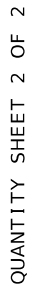
PROJECT NO.
BRIDGE NO.

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
1 LUMP SUM



Sign Spacing, Device Spacing and Channelizing Taper Lengths

TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES					
SPEED MPH	MINIMUM TAPER LENGTHS (L) FOR LANE WIDTHS (W)			MAXIMUM CHANNELIZER SPACING (FT)	
	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

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

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

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LONGITUDINAL BUFFER SPACE (B)	
SPEED MPH	BUFFER SPACE (FEET)
0-35	280
40-45	400
50-55	560
60-70	840

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

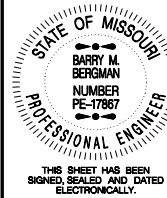
TRAFFIC CONTROL DEVICES

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
- TMU TRUCK MOUNTED ATTENUATOR W/ FLASHING ARROW



DATE PREPARED 5/21/2025	
ROUTE I-44	STATE MO
DISTRICT SL	SHEET NO. 4
COUNTY FRANKLIN/ST. LOUIS	
JOB NO. JSLM0072	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

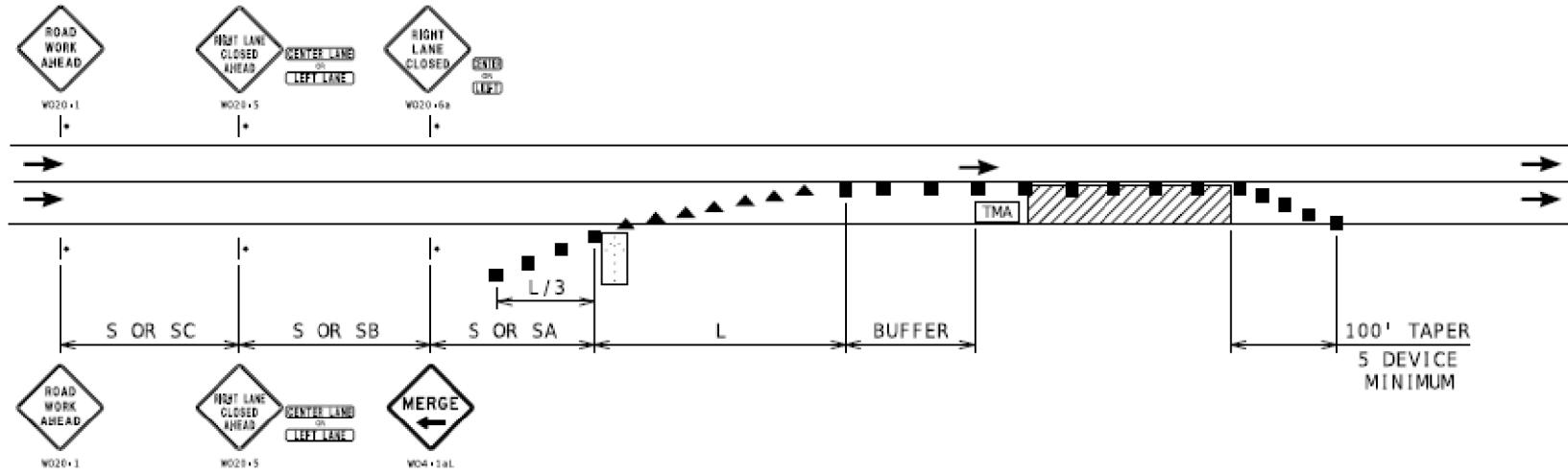
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

DISCLAIMER

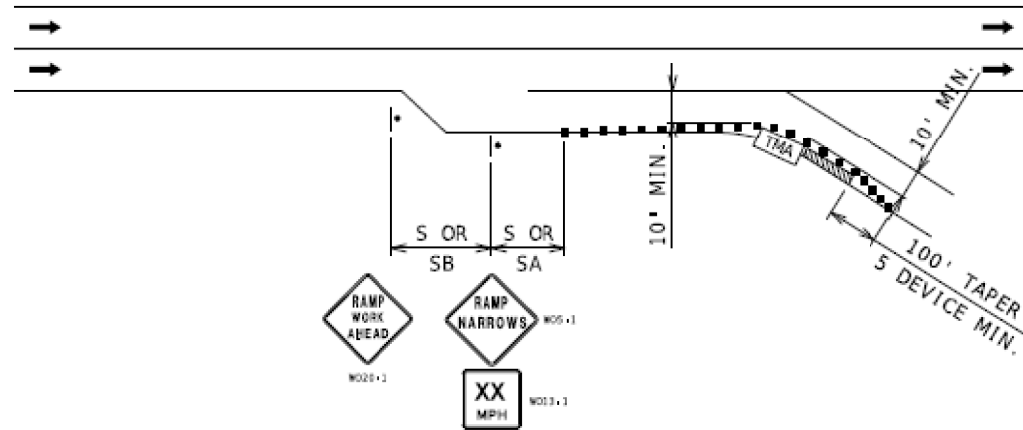
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NOTES :

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

SINGLE LANE CLOSURE



NOTES :

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

PARTIAL RAMP CLOSURE



DATE PREPARED	
5/21/2025	
ROUTE	STATE
I - 44	MO
DISTRICT	SHEET NO.
SL	6
COUNTY	
FRANKLIN/ST. LOUIS	
JOB NO.	
JSLM0072	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

TRAFFIC CONTROL SHEET

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



(4) CHANNELIZER SPACING AT 30'.

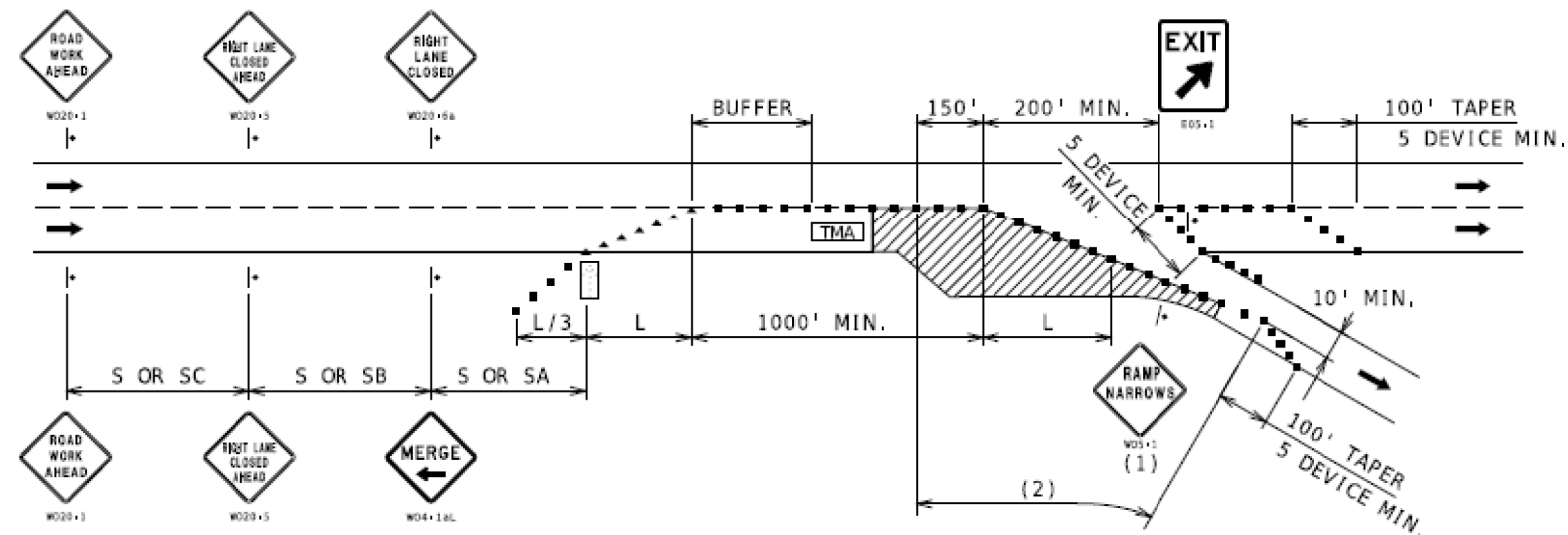


TRAFFIC CONTROL SHEET

[illegible]

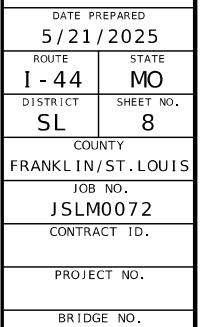
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.
(1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.
(2) CHANNELIZER SPACING AT 50'.

EXIT RAMP AREA
MAINLINE WORK



SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.
(1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.
(2) CHANNELIZER SPACING AT 50'.

EXIT RAMP AREA
DECELERATION LANE WORK

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

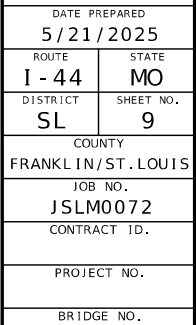
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET

NOTES:
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.
(1) CHANNELIZER SPACING AT 50'.



NOTES:
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.
(1) CHANNELIZER SPACING AT 50'.



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

The logo for the Missouri Department of Transportation (MoDOT) features the word "MoDOT" in a bold, sans-serif font. The "Mo" is white and set within a black outline of the state of Missouri. The "DOT" is black. To the right of the state outline are three thick, black, curved lines that sweep upwards and to the right, suggesting a road or a stylized "M".

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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TRAFFIC CONTROL SHEET

The diagram illustrates the lane closure sequence for a single-lane, two-way road. It shows the placement of signs and the dimensions of the work zone relative to the direction of travel.

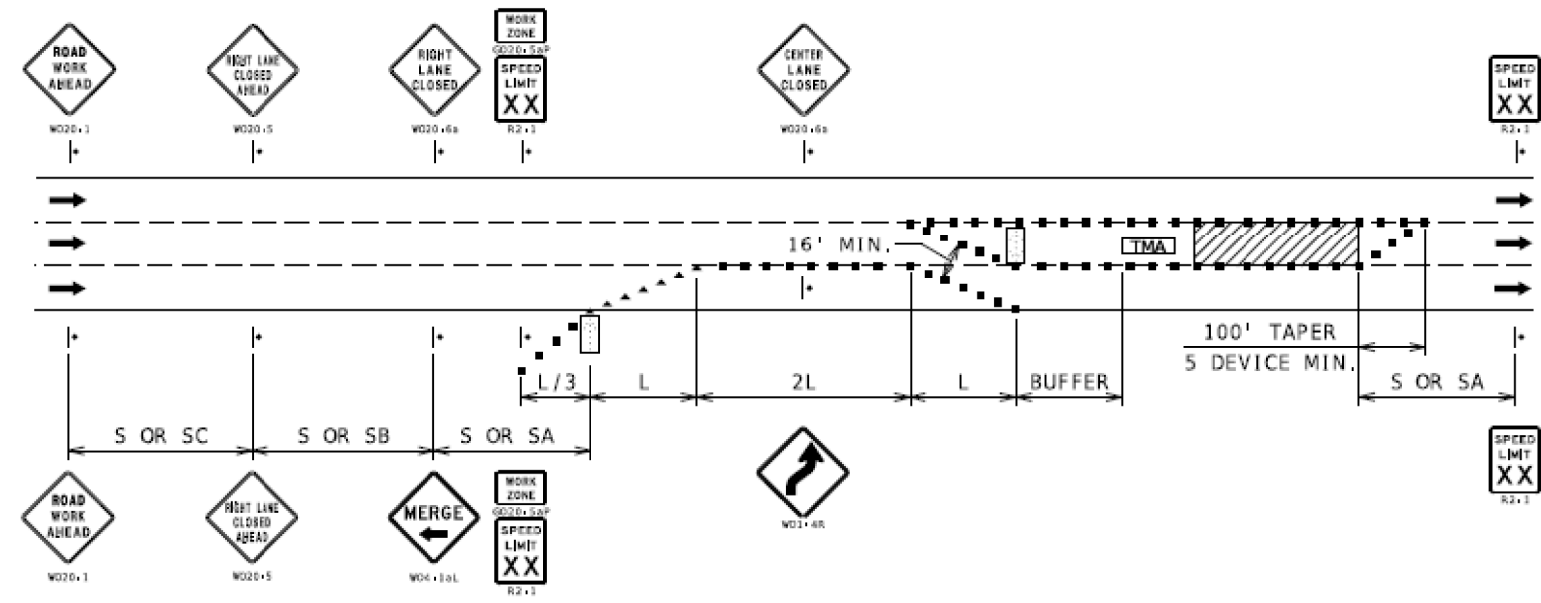
Signs and Placement:

- Upstream (Left Side):**
 - ROAD WORK AHEAD** (W020+1)
 - 2 RIGHT LANES CLOSED AHEAD** (W020+5a)
 - RIGHT LANE CLOSED** (W020+6a)
- Downstream (Right Side):**
 - ROAD WORK AHEAD** (W020+1)
 - 2 RIGHT LANES CLOSED AHEAD** (W020+5a)
 - MERGE** (W04+3aL)

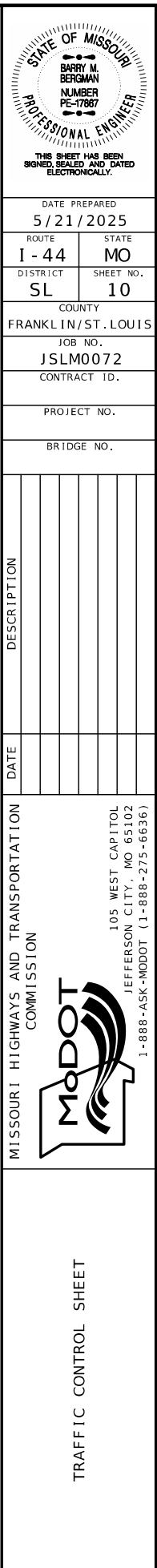
Dimensions and Layout:

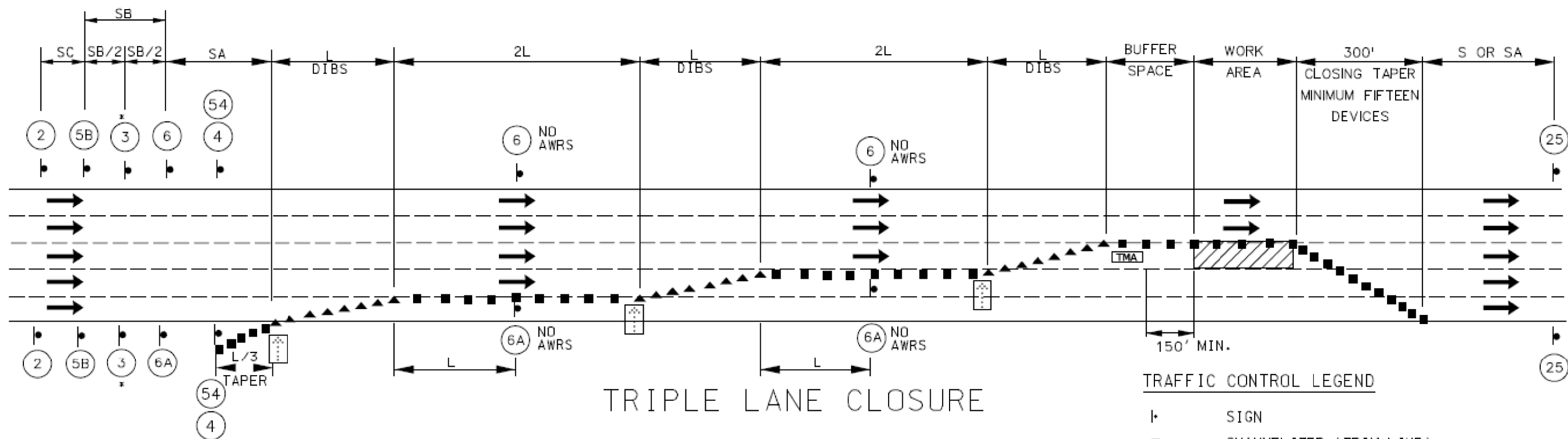
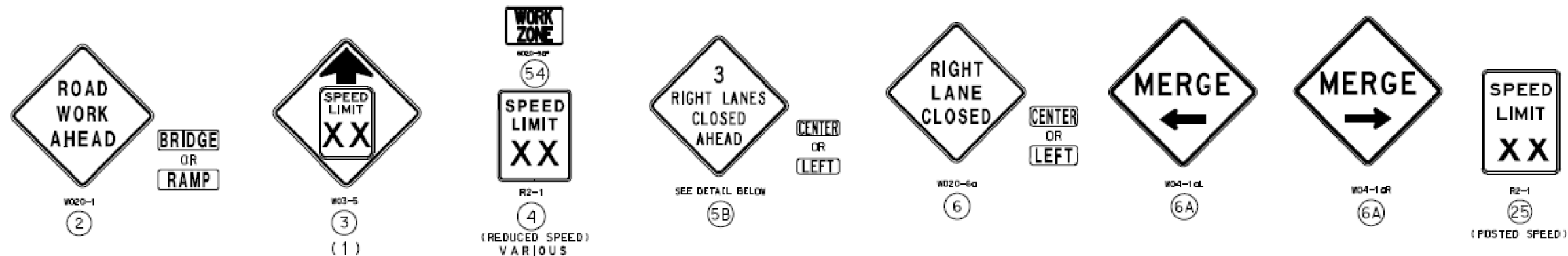
- Work Zone Length:** The total length of the work zone is $2L$.
- Approach Dimensions:**
 - S OR SC : Distance from the first sign to the start of the work zone.
 - S OR SB : Distance from the second sign to the start of the work zone.
 - S OR SA : Distance from the third sign to the start of the work zone.
- Work Zone Segments:**
 - $L/3$: Initial segment of the work zone.
 - L : Middle segment of the work zone.
 - $2L$: Total length of the work zone.
 - L : Final segment of the work zone.
- Buffer and Taper:**
 - BUFFER**: Distance between the end of the work zone and the start of the taper.
 - 200' TAPER**: Length of the taper zone.
 - 10 DEVICE MIN.**: Minimum length of the taper zone.

DOUBLE LANE CLOSURE



INTERIOR LANE CLOSURE





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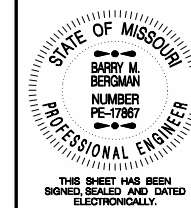
SEE CHARTS FOR SIGN AND DEVICE SPACING

* SIGN (3) IS ONLY USED WHEN SPEED REDUCTION IS GREATER THAN 10 MPH BELOW POSTED OR NORMAL SPEED LIMIT.

NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN
- CHANNELIZER (TRIM-LINE)
- DIRECTIONAL INDICATOR BARRICADE (DIB)
- TMA TRUCK MOUNTED ATTENUATOR W/ FLASHING ARROW
- FLASHING ARROW PANEL
- BARRICADE (TYPE III)
- WORK AREA



DATE PREPARED
5/21/2025
ROUTE
I-44
STATE
MO
DISTRICT
SL
SHEET NO.
11
COUNTY
FRANKLIN/ST. LOUIS
JOB NO.
JSLM0072
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)



TRAFFIC CONTROL SHEET