

A.A.D.T. - DESIGN = VARIOUS  
A.A.D.T. - CONSTRUCTION = VARIOUS  
T = VARIOUS  
V = VARIOUS M.P.H.  
FUNCTIONAL CLASSIFICATION= VARIOUS

NO NEW RIGHT OF WAY REQUIRED FOR THIS PROJECT

CONVENTIONAL SYMBOLS  
(USED IN PLANS)

BUILDINGS AND STRUCTURES

GUARD RAIL

CONCRETE RIGHT-OF-WAY MARKER

STEEL RIGHT-OF-WAY MARKER

LOCATION SURVEY MARKER

UTILITIES

FIBER OPTICS

OVERHEAD TELEPHONE

UNDERGROUND TELEPHONE

OVERHEAD POWER

UNDERGROUND POWER

GAS

WATER

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

EXISTING

NEW

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
PLANS FOR PROPOSED  
STATE HIGHWAY  
SAINT CHARLES COUNTY

KEY MAP  
LOCATION OF SAINT CHARLES COUNTY

NOT TO SCALE

ST. CHARLES

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JOB ORDER CONTRACTING

INDEX OF SHEETS

DESCRIPTION

SHEET NUMBER

TITLE SHEET ----- 1

TRAFFIC CONTROL SHEETS (TC)----- 2-10

STATE OF MISSOURI  
ANASTASIA M. SMITH  
NUMBER  
PE-2014017016  
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN  
SIGNED, SEALED AND DATED  
ELECTRONICALLY.

DATE PREPARED  
2/28/2025

ROUTE  
VAR

STATE  
MO

DISTRICT  
SL

SHEET NO.  
1

COUNTY  
ST CHARLES

JOB NO.  
J6P3459

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)

TITLE SHEET

PROJECT DESCRIPTION:  
  
JOB ORDER CONTRACT FOR  
GUARDRAIL REPAIR  
AT VARIOUS LOCATIONS  
IN SAINT CHARLES COUNTY

# 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










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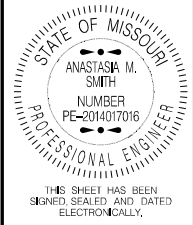
## TRAFFIC CONTROL DEVICES

### GENERAL NOTES:

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

### TRAFFIC CONTROL LEGEND

-  SIGN (SINGLE SIDED)
-  SIGN (DOUBLE SIDED)
-  FLAGGER
-  DIRECTION INDICATOR BARRICADE
-  CHANNELIZER
-  BARRICADE
-  CHANGEABLE MESSAGE BOARD
-  FLASHING ARROW PANEL
-  TMA (TRUCK MOUNTED ATTENUATOR) WITH FLASHING ARROW PANEL



DATE PREPARED 2/28/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 2
COUNTY ST CHARLES	
JOB NO. J6P3459	
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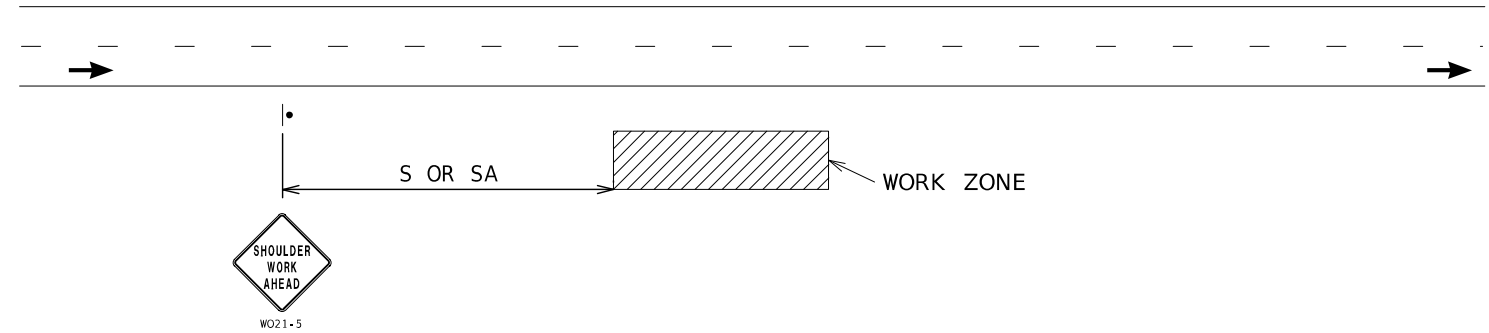
PROJECT NO. .
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



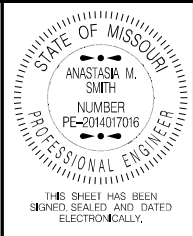
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JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



WORK BEYOND SHOULDER - UNDIVIDED OR DIVIDED ROADWAYS

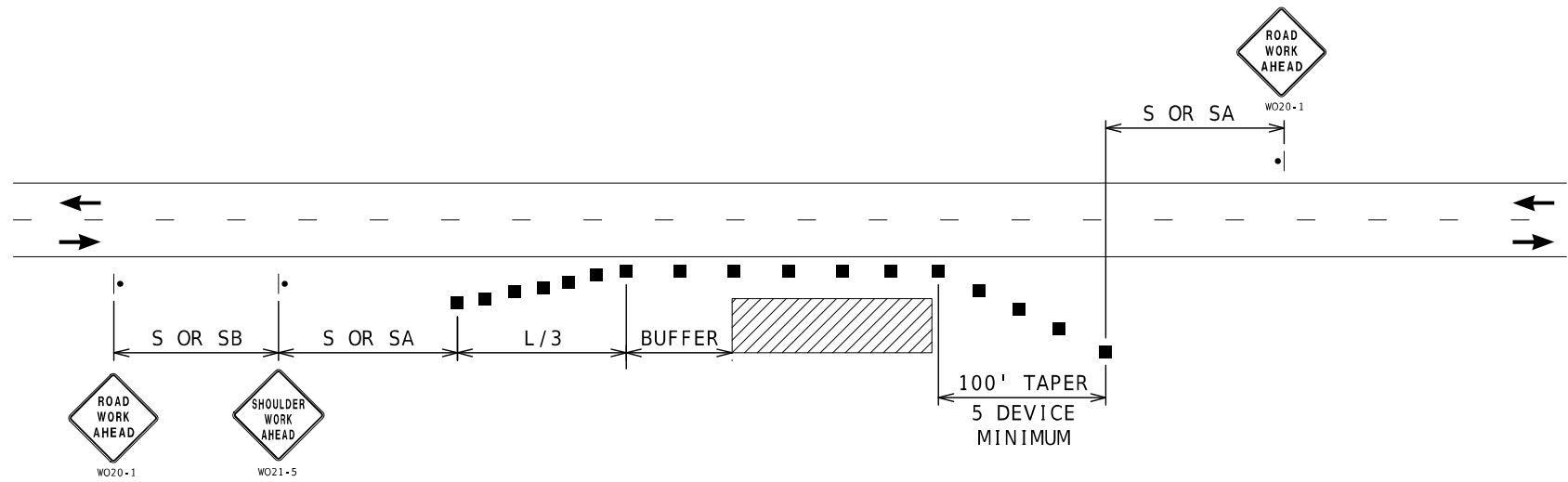
USED FOR WORK THAT OCCURS OFF THE ROADWAY SHOULDER BUT WITHIN THE CLEAR ZONE.  
NOT TO BE USED WHEN WORK VEHICLES ARE PARKED ALONG THE SHOULDER EVEN WHEN  
THE WORK IS BEING PERFORMED OFF THE SHOULDER.

NOTES :  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



DATE PREPARED 2/28/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 3
COUNTY ST CHARLES	
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CONTRACT ID.	
PROJECT NO. J6P3459	
BRIDGE NO.	

DESCRIPTION	DATE



SHOULDER WORK - UNDIVIDED ROADWAYS

USED FOR WORK ON SHOULDER OR FOR WORK OFF SHOULDER  
WITH WORK VEHICLES PARKED ON THE SHOULDER.

NOTES :  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

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COMMISSION

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JEFFERSON CITY, MO 65102  
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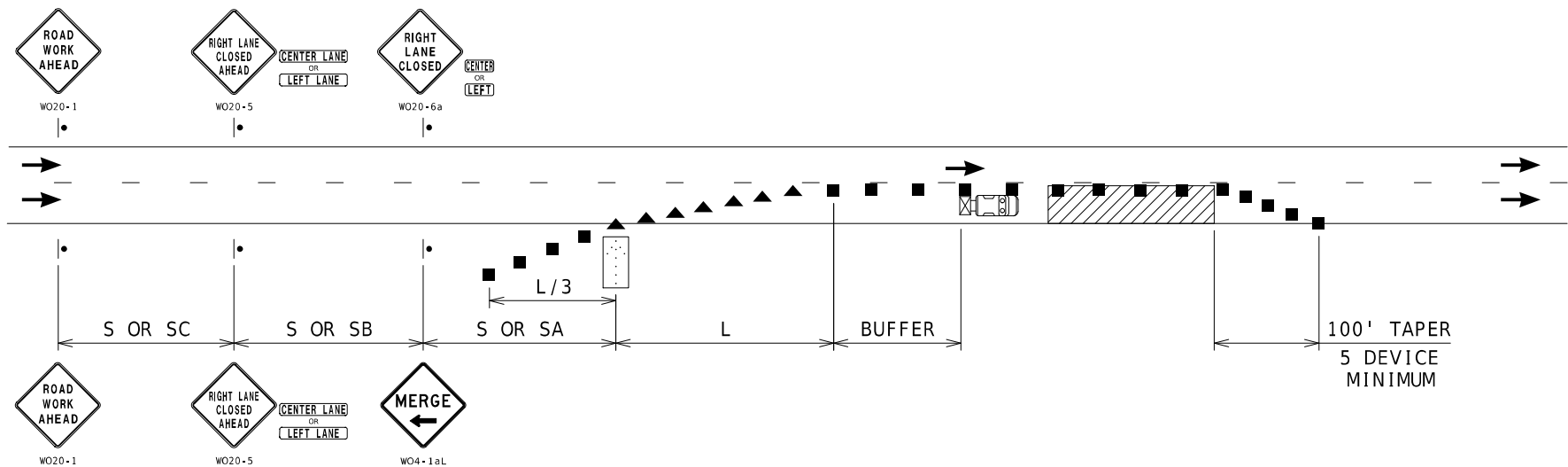
USED FOR WORK ON SHOULDER OR FOR WORK OFF SHOULDER  
WITH WORK VEHICLES PARKED ON THE SHOULDER OF A HIGH SPEED ROADWAY.



RIGHT SHOULDER WORK  
MULTI-LANE FREEWAYS WITH MEDIAN BARRIER

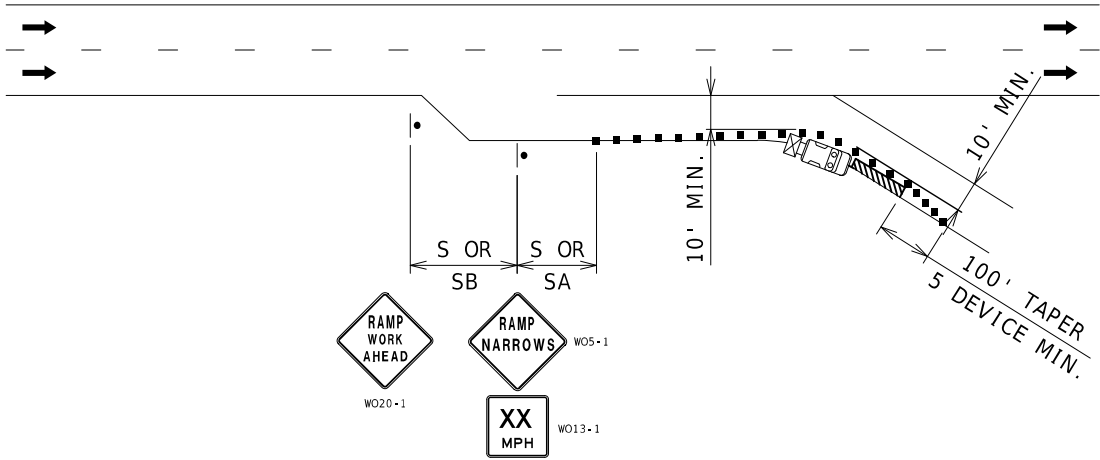






NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

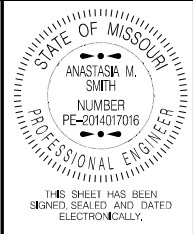
SINGLE LANE CLOSURE



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NOTES:  
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PARTIAL RAMP CLOSURE



DATE PREPARED 2/28/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 6
COUNTY ST CHARLES	
JOB NO. X	
CONTRACT ID. X	
PROJECT NO. J6P3459	
BRIDGE NO. X	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

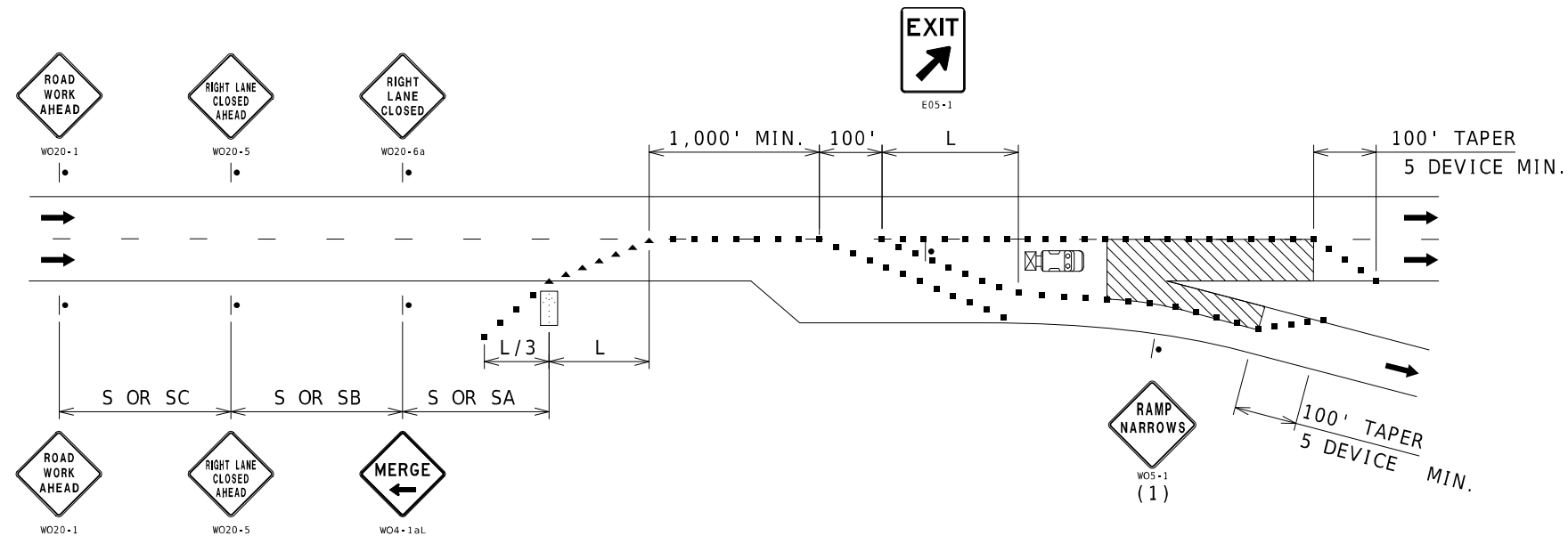


(1) CHANNELIZER SPACING AT 50'.



(1) CHANNELIZER SPACING AT 50'.

TRAFFIC CONTROL  
SHEET 6 OF 9



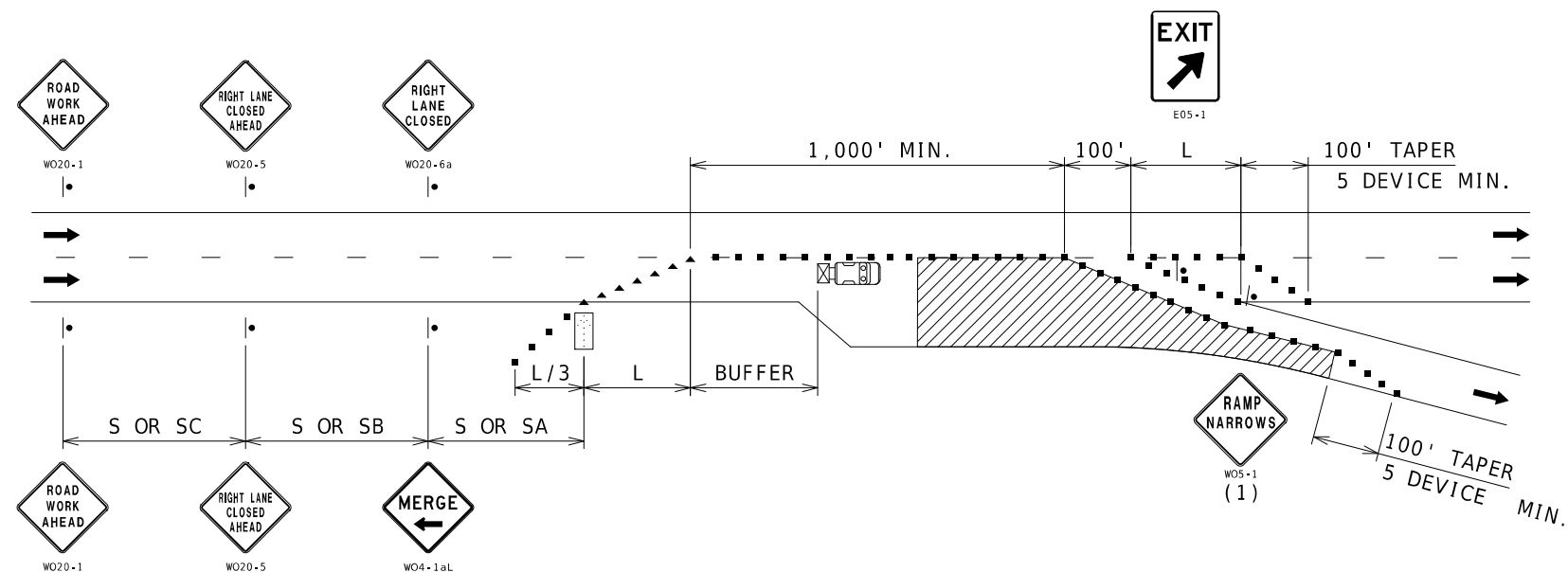
NOTES:

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



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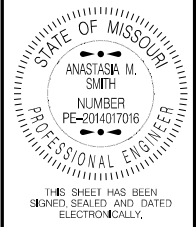
NOTES:

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



DATE PREPARED 2/28/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 8
COUNTY ST CHARLES	
JOB NO. X	
CONTRACT ID. X	
PROJECT NO. J6P3459	
BRIDGE NO. X	

DESCRIPTION	DATE





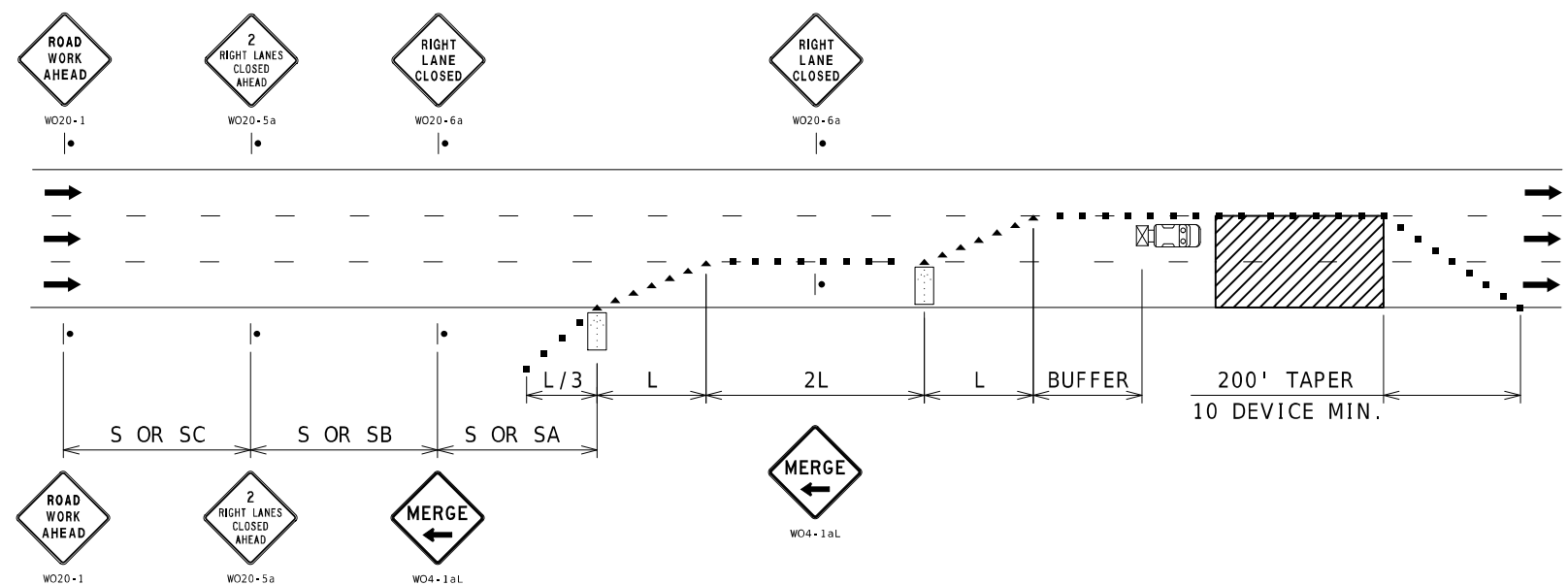


(2) THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUCSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORIST ON THE RAMP.



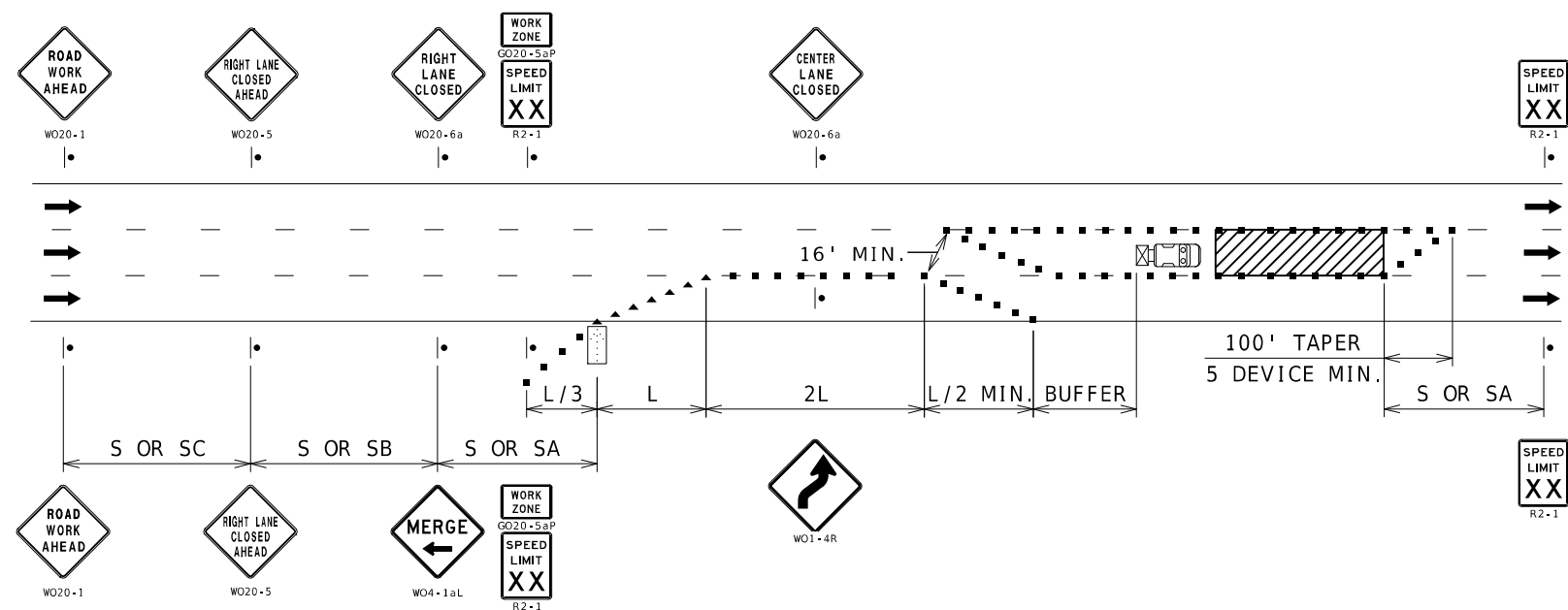
(3) THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUCSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORIST ON THE RAMP.

TRAFFIC CONTROL  
SHEET 8 OF 9



NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

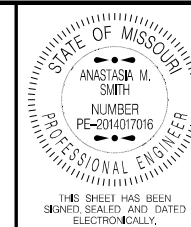
## DOUBLE LANE CLOSURE



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NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

## INTERIOR LANE CLOSURE



DATE PREPARED 2/28/2025	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 10
COUNTY ST CHARLES	
JOB NO. J6P3459	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

