



# 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

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

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:

1. SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN
2. EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING COVERING, UNCOVERING OR REMOVING SIGNS.
4. CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
6. 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)<br>WITH FLASHING ARROW PANEL |



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MO BE 2003015005

DATE PREPAR

ROUTE VAR	STATE MO
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DISTRICT SHEET NO.  
KC 2

COUNTY  
VAR I O U

JOB NO.  
JKU042

CONTRACT

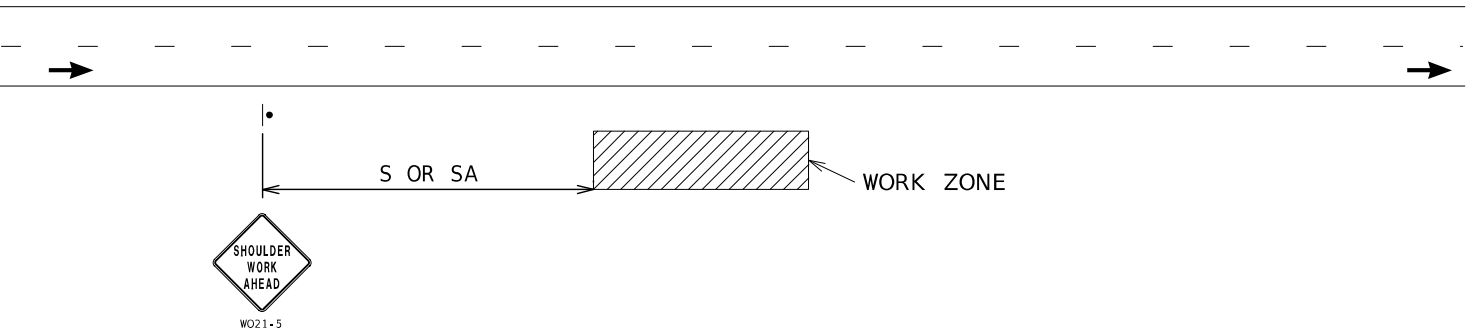
PROJECT N

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102

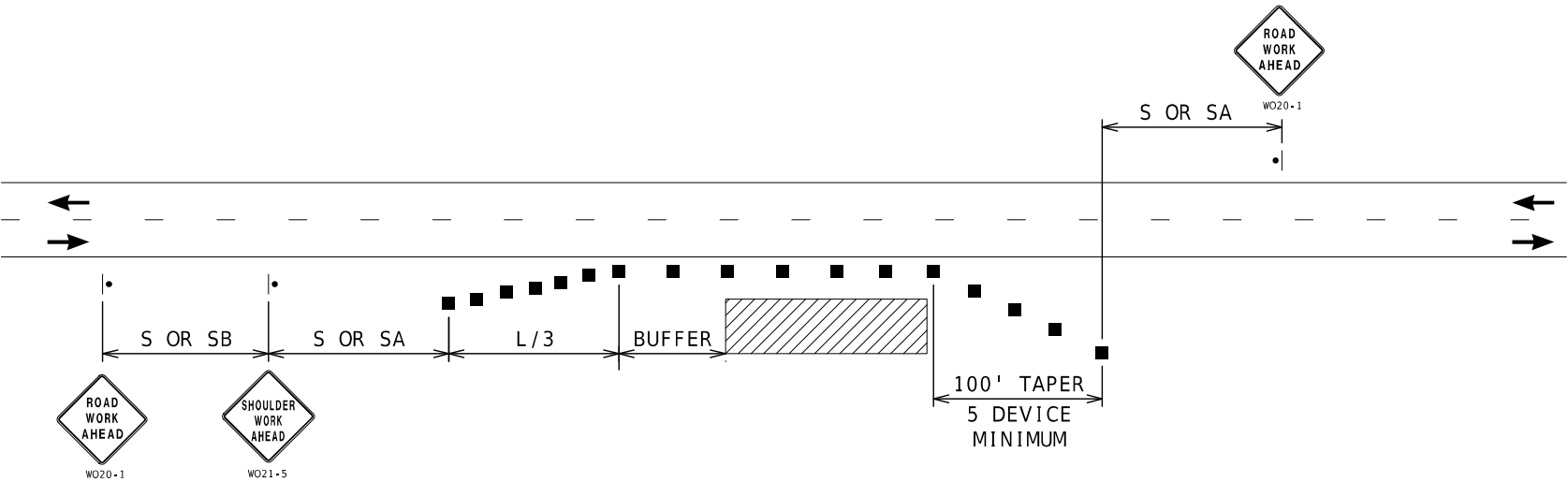
TRAFFIC CONTROL  
SHEET 1 OF 8



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.



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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3/28/2025

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 3

COUNTY  
VARIOUS

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PROJECT NO.

BRIDGE NO.

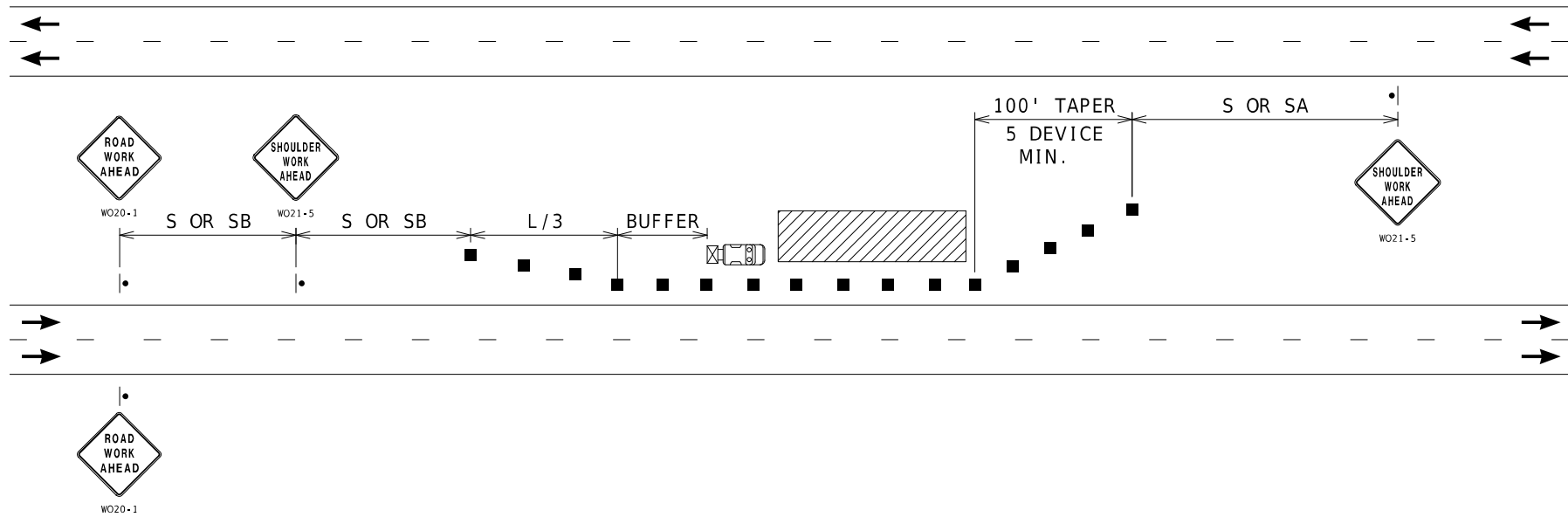
DATE	DESCRIPTION

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

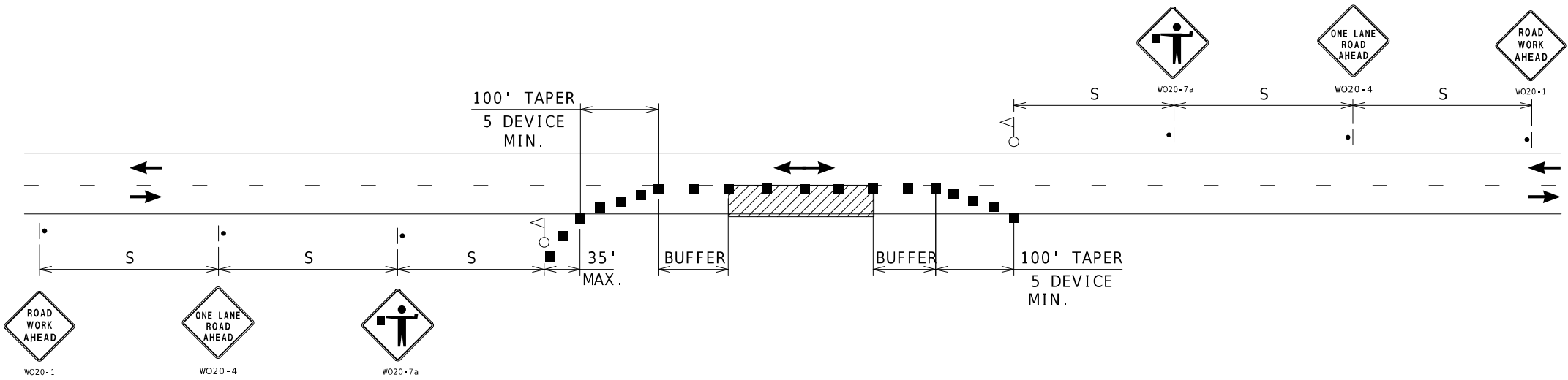




LEFT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

USED FOR WORK ON SHOULDER OR FOR WORK OFF SHOULDER  
WITH WORK VEHICLES PARKED ON THE SHOULDER OF A HIGH SPEED ROADWAY.

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



ONE-LANE TWO-WAY OPERATION WITH FLAGGERS

A MINIMUM OF TWO FLAGGERS WILL BE REQUIRED TO DIRECT TRAFFIC.  
ADDITIONAL FLAGGERS MAY BE REQUIRED WHEN WORKING AT INTERSECTING  
STREETS OR RAMP AS DIRECTED BY THE ENGINEER. NO DIRECT PAYMENT  
WILL BE MADE FOR FLAGGERS

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

STATE OF MISSOURI

BENJAMIN STEPHEN MCCABE SR.

NUMBER

PE-2003015005

PROFESSIONAL ENGINEER

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03/28/2025 2:08:42 PM

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MO-PE-2003015005

DATE PREPARED

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ROUTE

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DISTRICT

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STATE

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105 WEST CAPITOL

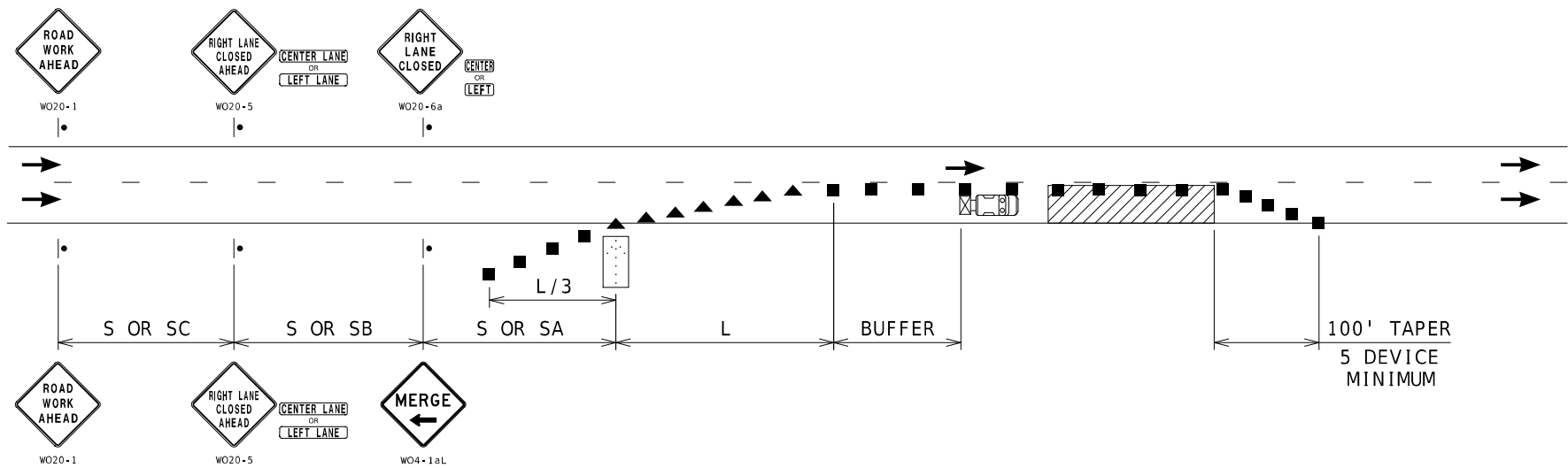
JEFFERSON CITY, MO 65102

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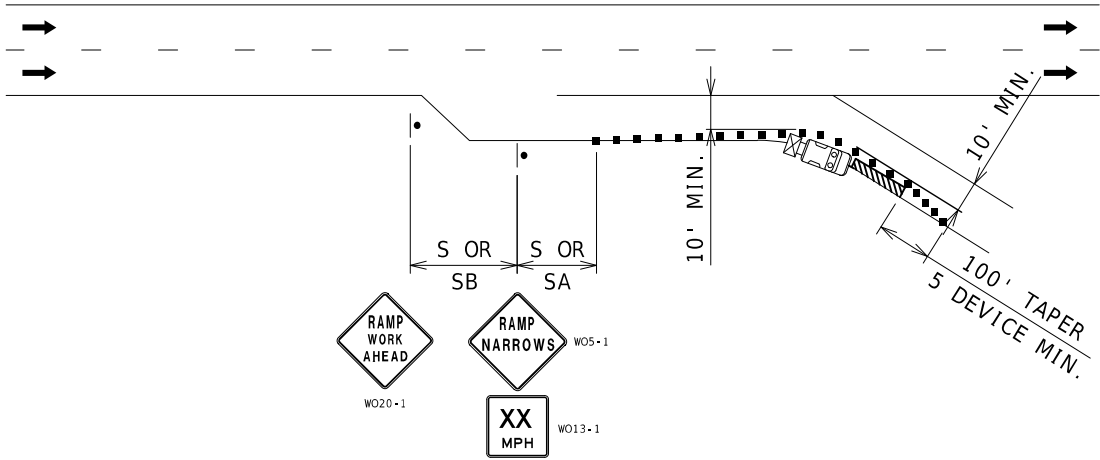
TRAFFIC CONTROL

SHEET 4 OF 8



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

STATE OF MISSOURI

BENJAMIN STEPHEN MCCABE SR.

NUMBER

PE-2003015005

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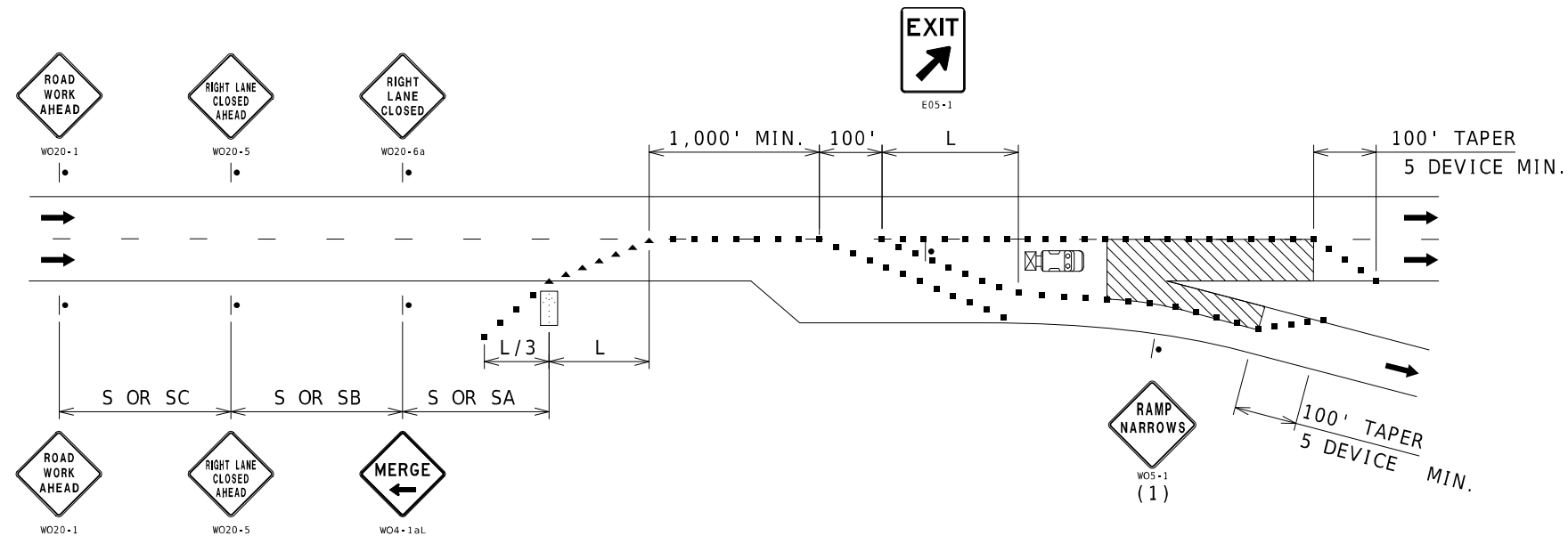
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TRAFFIC CONTROL

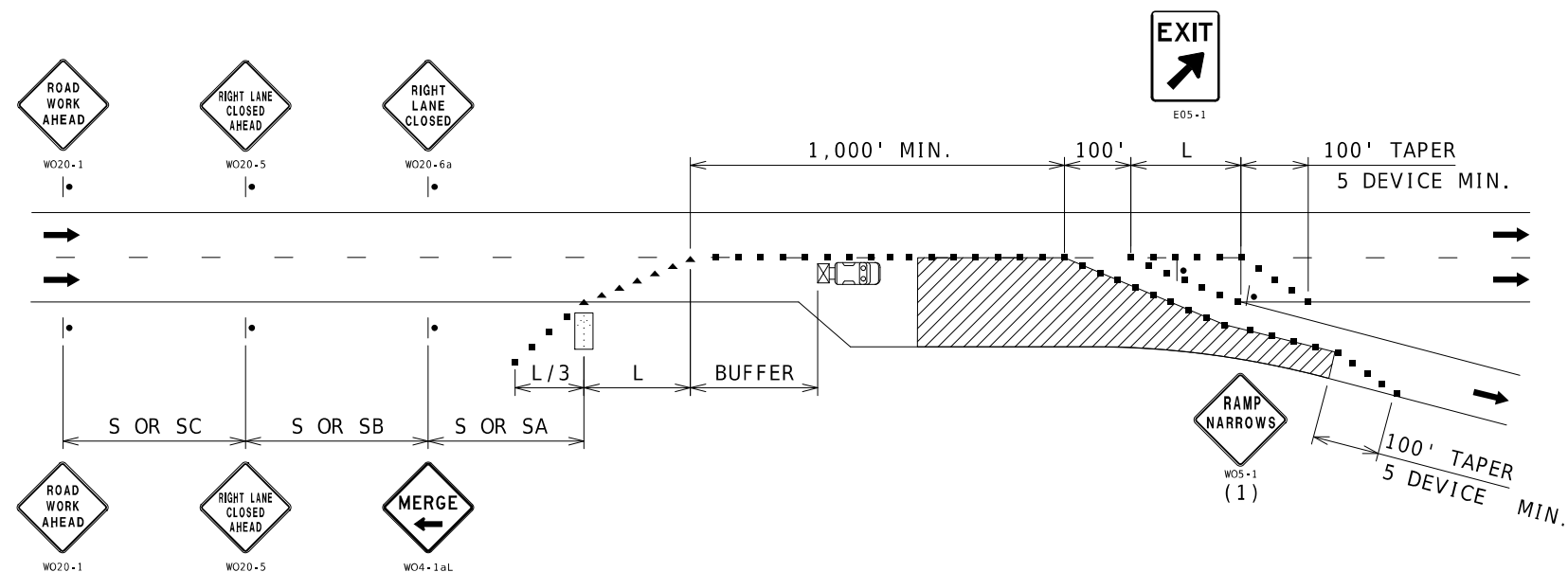
SHEET 5 OF 8





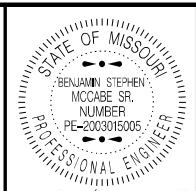
- NOTES:
- SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.
- (1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.
- (2) CHANNELIZER SPACING AT 50'.

## EXIT RAMP AREA MAINLINE WORK



- 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



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TRAFFIC CONTROL  
SHEET 7 OF 8



