

## PLATTE, CLAY, JACKSON, &amp; CASS COUNTIES



NOT TO SCALE

# JOB ORDER CONTRACTING BRIDGE REPAIR ON VARIOUS URBAN ROUTES

## DESCRIPTION

TITLE SHEET .....	1
TRAFFIC CONTROL SHEETS (TC).....	2-10

SHEET  
NUMBER



01/11/2024 9:29:42 AM  
KARLEE A. COVINGTON - CIVIL  
MO-PE-2020000009

DATE PREPARED  
1/11/2024

ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 1

COUNTY
VARIOUS


JOB NO.  
J4I3176

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.

[illegible]


 MISSOURI HIGHWAYS AND TRANSPORTATION  
 COMMISSION  
 105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)



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

1

### CONVENTIONAL SYMBOLS (USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	— FO —	— FO —
OVERHEAD TELEPHONE		
UNDERGROUND TELEPHONE	— T —	— T —
OVERHEAD POWER		
UNDERGROUND POWER	— P —	— P —
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

# 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

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

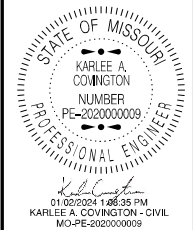
## TRAFFIC CONTROL DEVICES

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
-  TRUCK MOUNTED ATTENUATOR  
W/ FLASHING ARROW



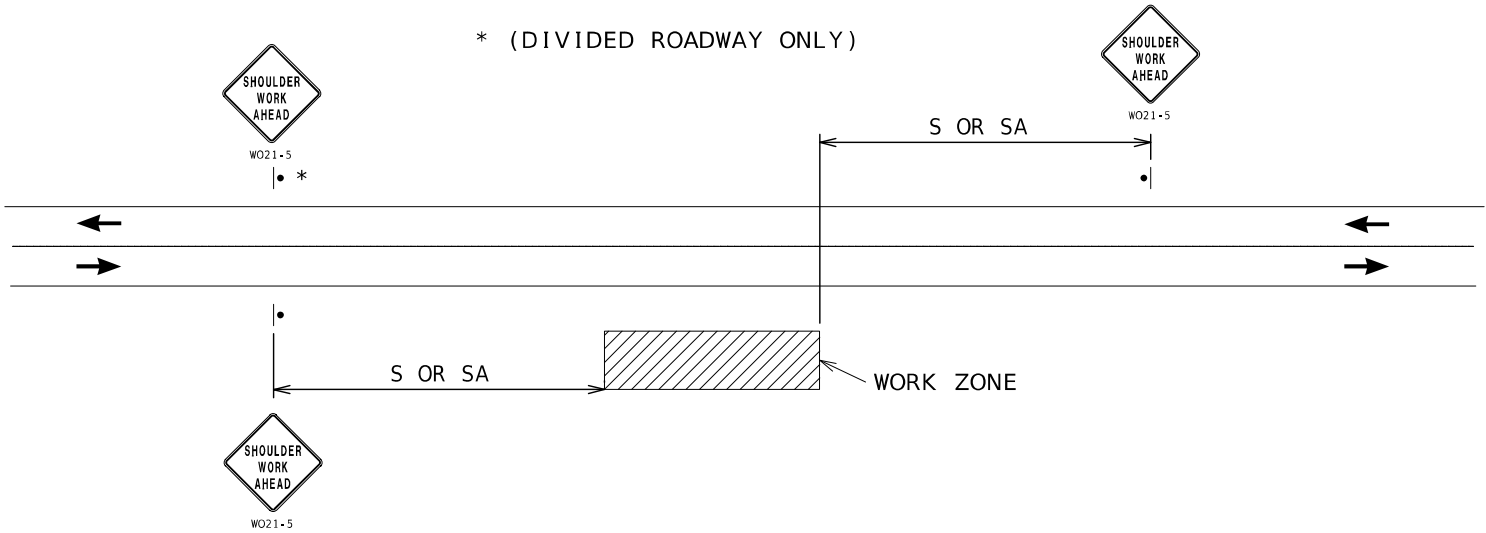
DATE PREPARED 12/29/2023	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY VARIOUS	
JOB NO. J413176	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE								

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



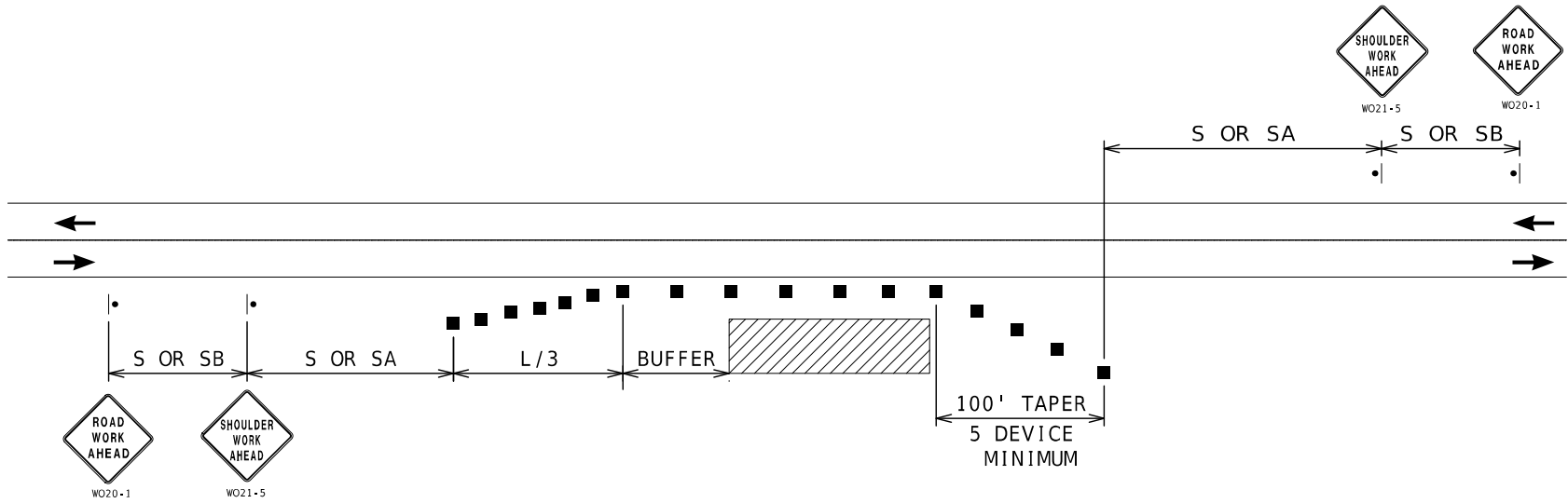
WORK BEYOND RIGHT SHOULDER - UNDIVIDED OR DIVIDED ROADWAYS

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

FOR DIVIDED ROADWAYS, SIGNS SHALL BE PROVIDED ON LEFT AND RIGHT SIDE OF ROADWAY WITH DOWNSTREAM SIGN BEING OMITTED.

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.



SHOULDER WORK - UNDIVIDED ROADWAYS

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

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

STATE OF MISSOURI

KARLEE A. COVINGTON

NUMBER

PE-2020000009

PROFESSIONAL ENGINEER

01/02/2024 1:21:15 PM

KARLEE A. COVINGTON - CIVIL

MO-PE-2020000009

DATE PREPARED

12/29/2023

ROUTE

VAR

DISTRICT

KC

STATE

MO

SHEET NO.

3

COUNTY

VARIOUS

JOB NO.

J413176

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

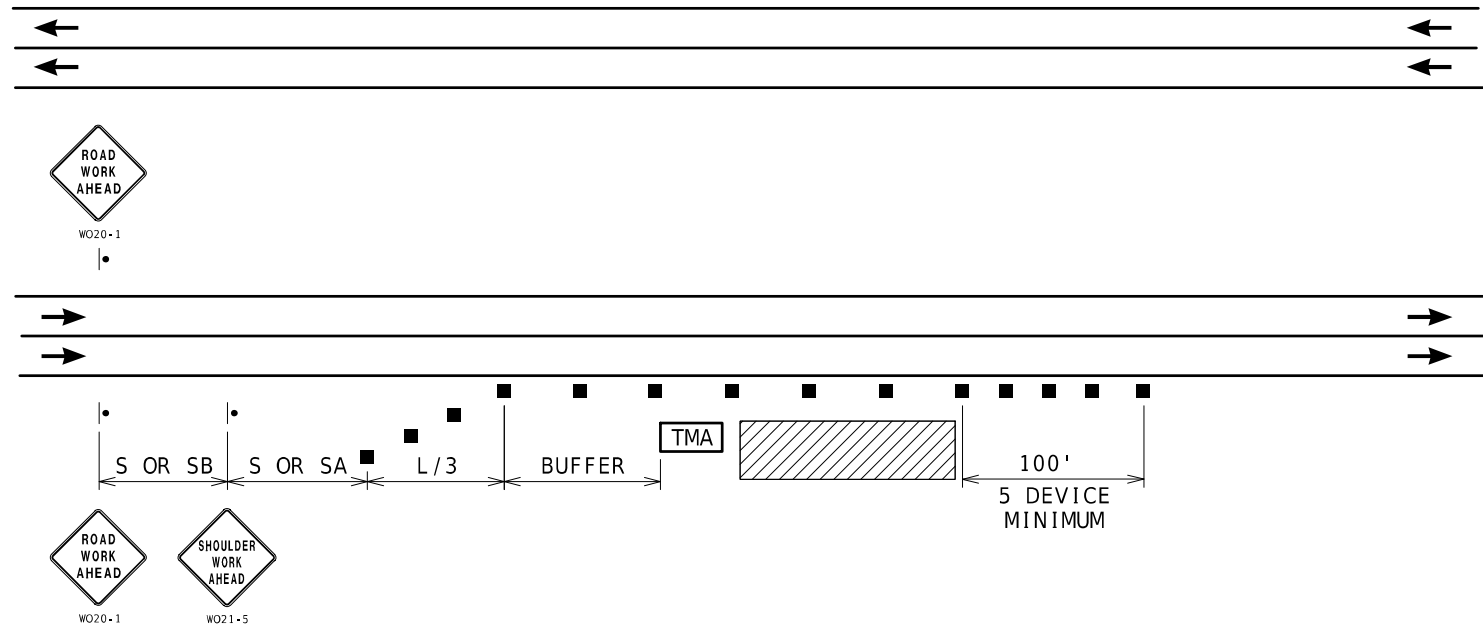
105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

TRAFFIC CONTROL

SHEET 2 OF 9

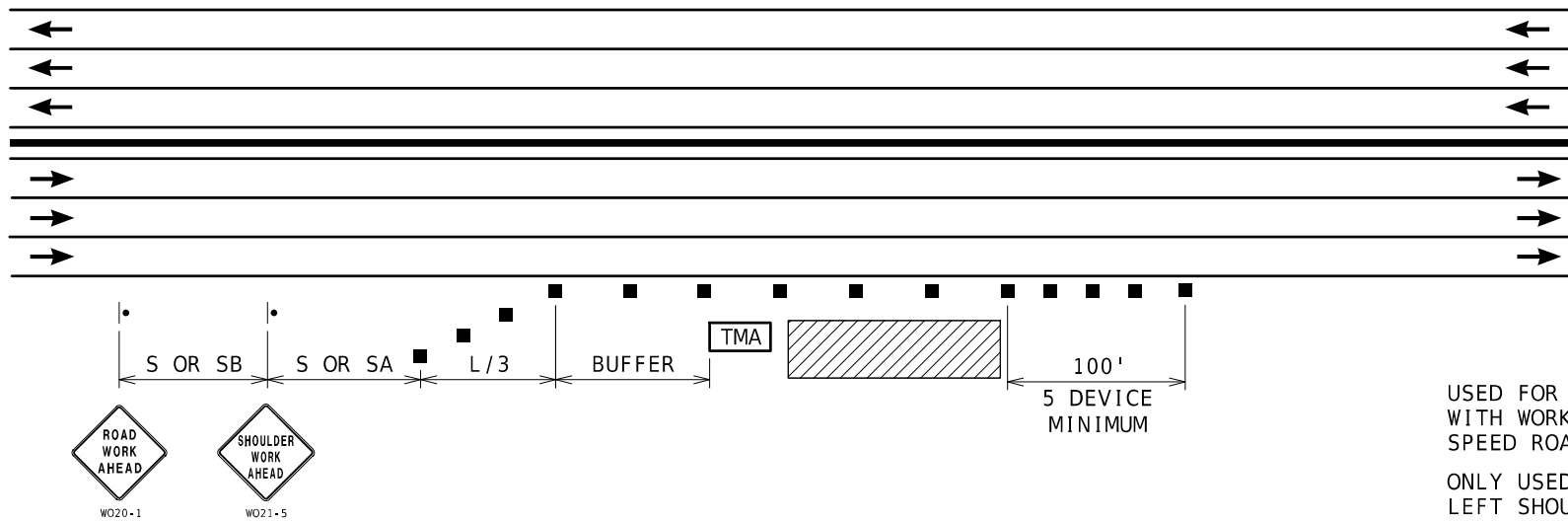


RIGHT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

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



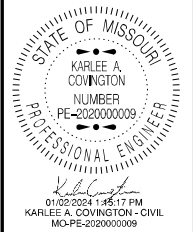
USED FOR WORK ON SHOULDER OR FOR WORK OFF SHOULDER  
WITH WORK VEHICLES PARKED ON THE SHOULDER OF A HIGH  
SPEED ROADWAY.

ONLY USED FOR SIX OR MORE LANE FREEWAYS WITH NARROW  
LEFT SHOULDER ADJACENT TO CONCRETE MEDIAN BARRIER

RIGHT SHOULDER WORK  
MULTI-LANE FREEWAYS WITH MEDIAN BARRIER

NOTES:

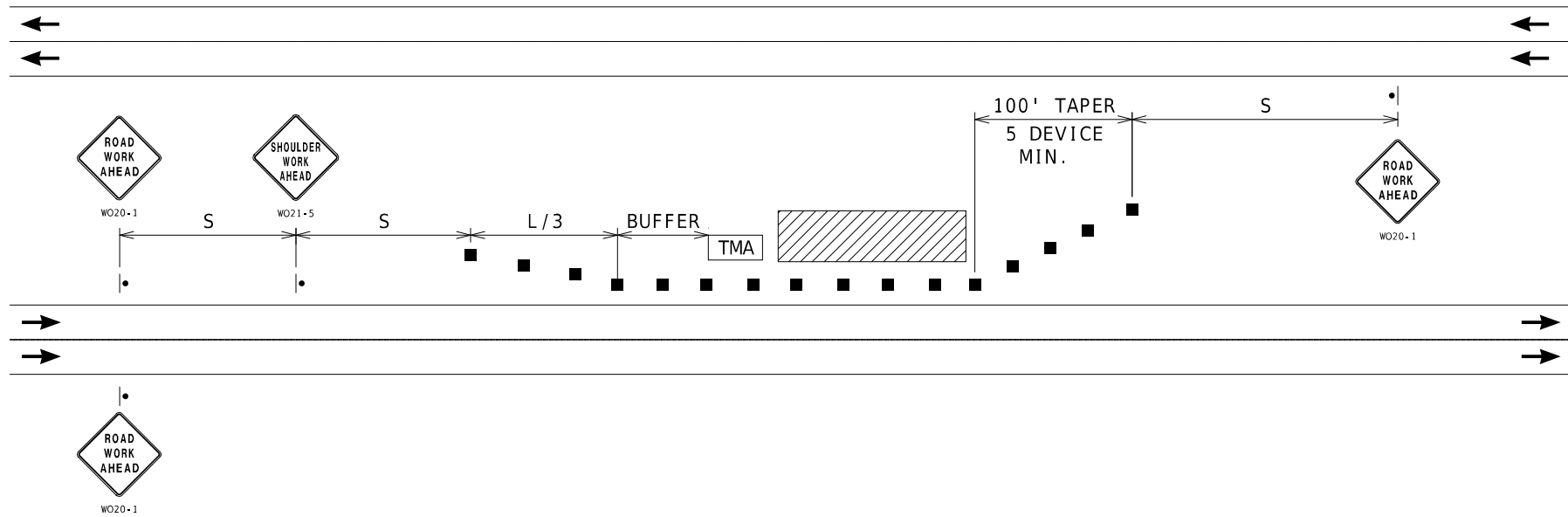
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



DATE PREPARED 12/29/2023	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 4
COUNTY VARIOUS	
JOB NO. J413176	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

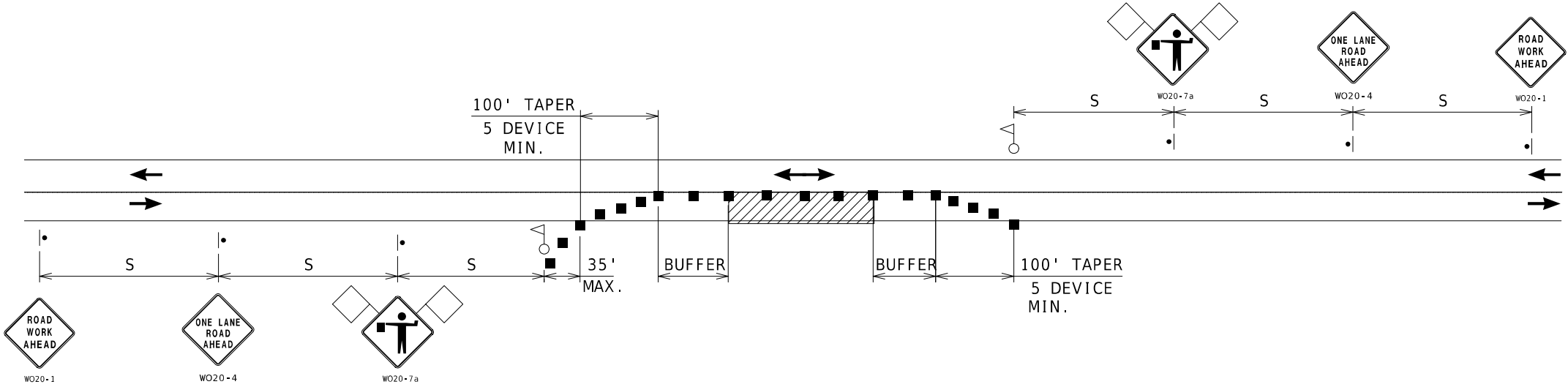




LEFT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

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

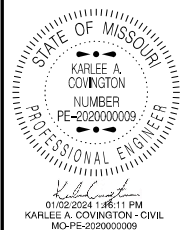
NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



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 RAMPS AS DIRECTED BY THE ENGINEER. NO DIRECT PAYMENT  
WILL BE MADE FOR FLAGGERS

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



DATE PREPARED 12/29/2023	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 5
COUNTY VARIOUS	
JOB NO. J413176	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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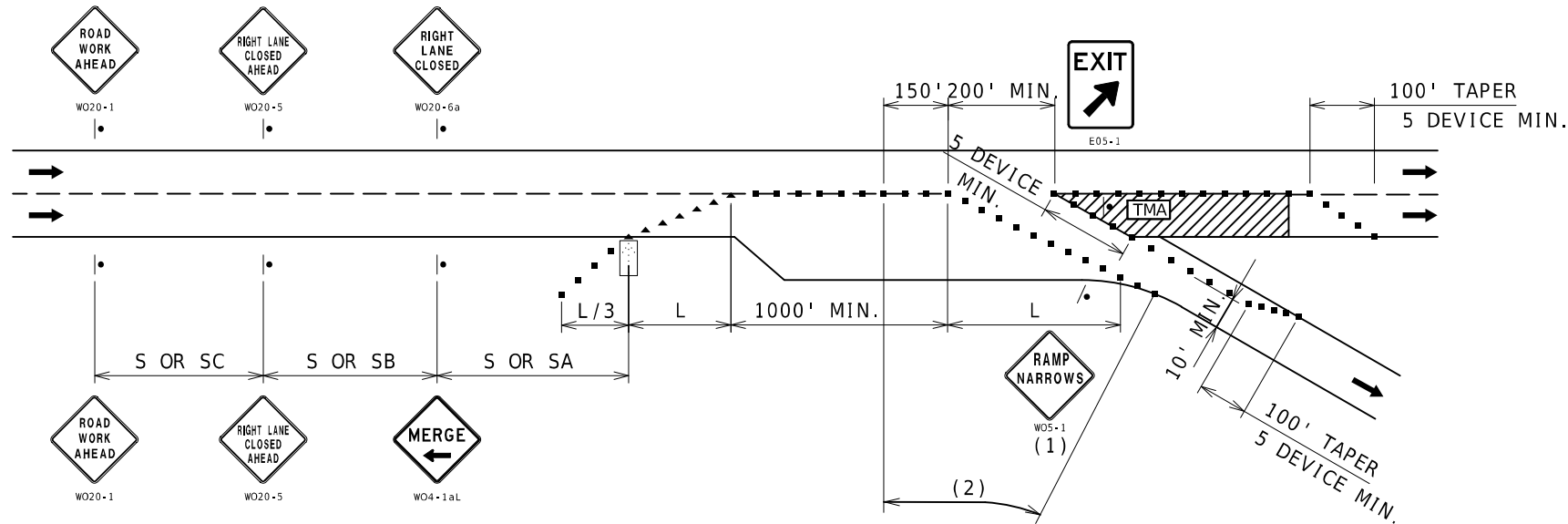
NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

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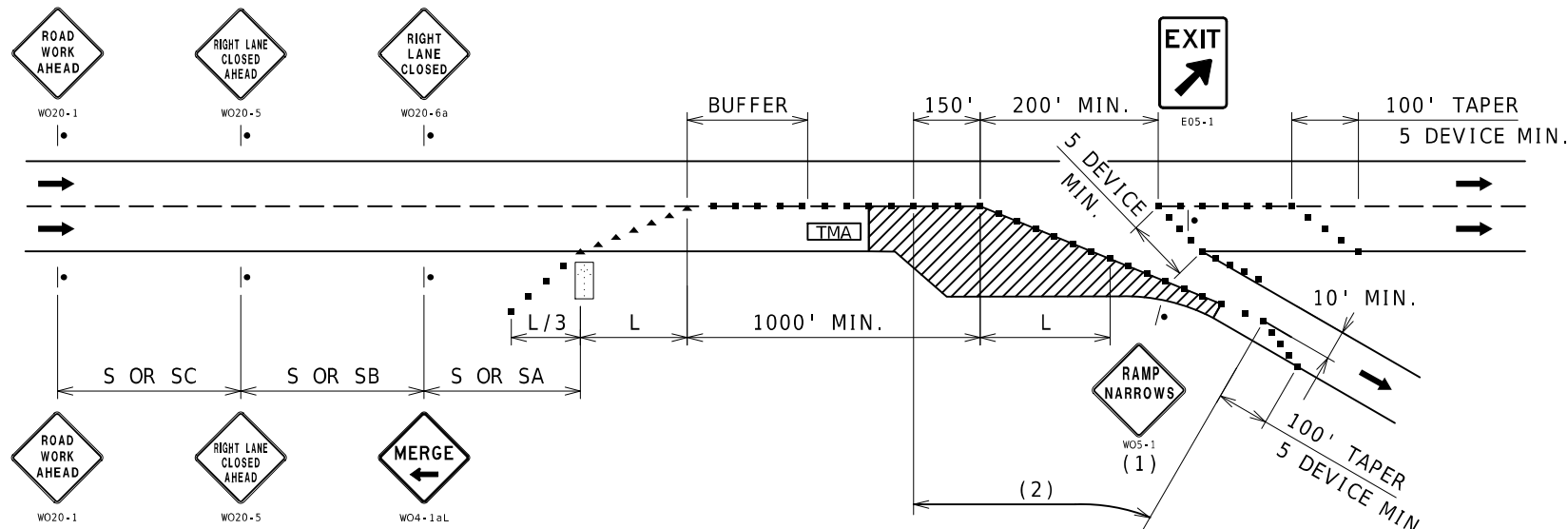






NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.  
(1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.  
(2) CHANNELIZER SPACING AT 50'.

EXIT RAMP AREA  
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

<div><div>STATE OF MISSOURI</div><div>KARLEE A. CONINGTON</div><div>NUMBER</div><div>PE-2020000009</div><div>PROFESSIONAL ENGINEER</div><div><div>01/02/2024 1:25:48 PM</div><div>KARLEE A. CONINGTON - CIVIL</div><div>MO-PE-2020000009</div></div></div>	
DATE PREPARED 12/29/2023	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 8
COUNTY VARIOUS	
JOB NO. J413176	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	
DATE	

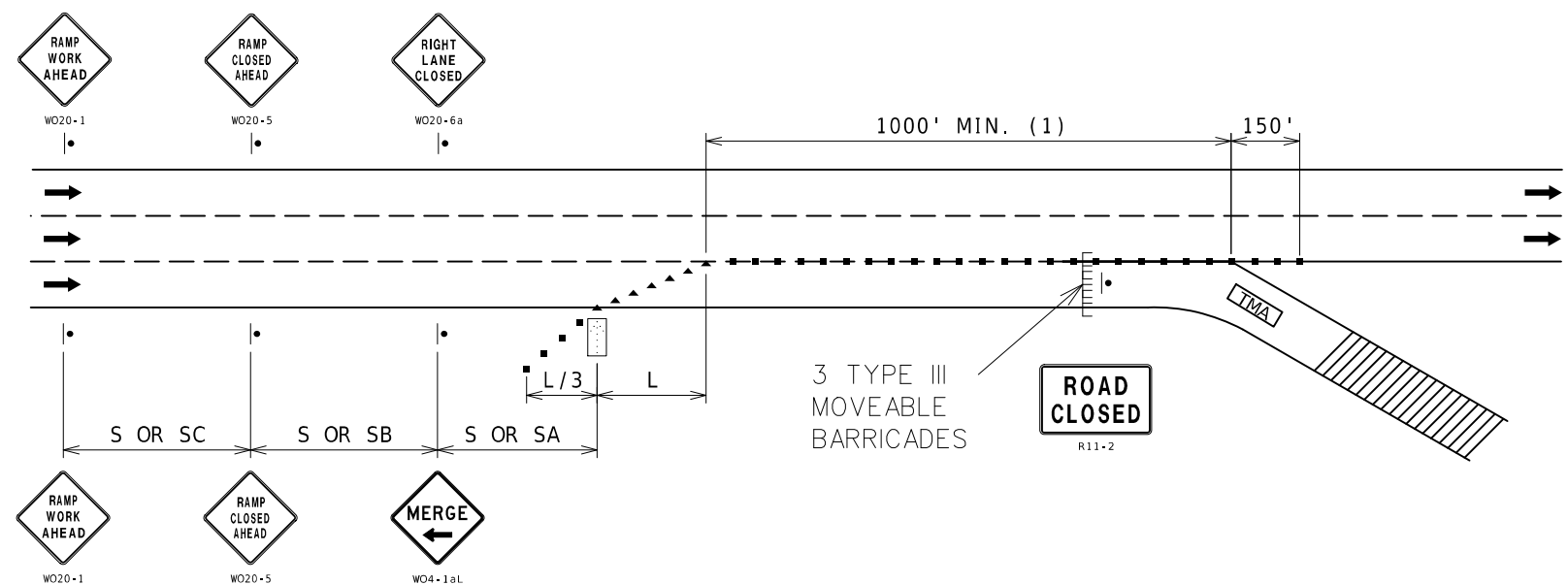
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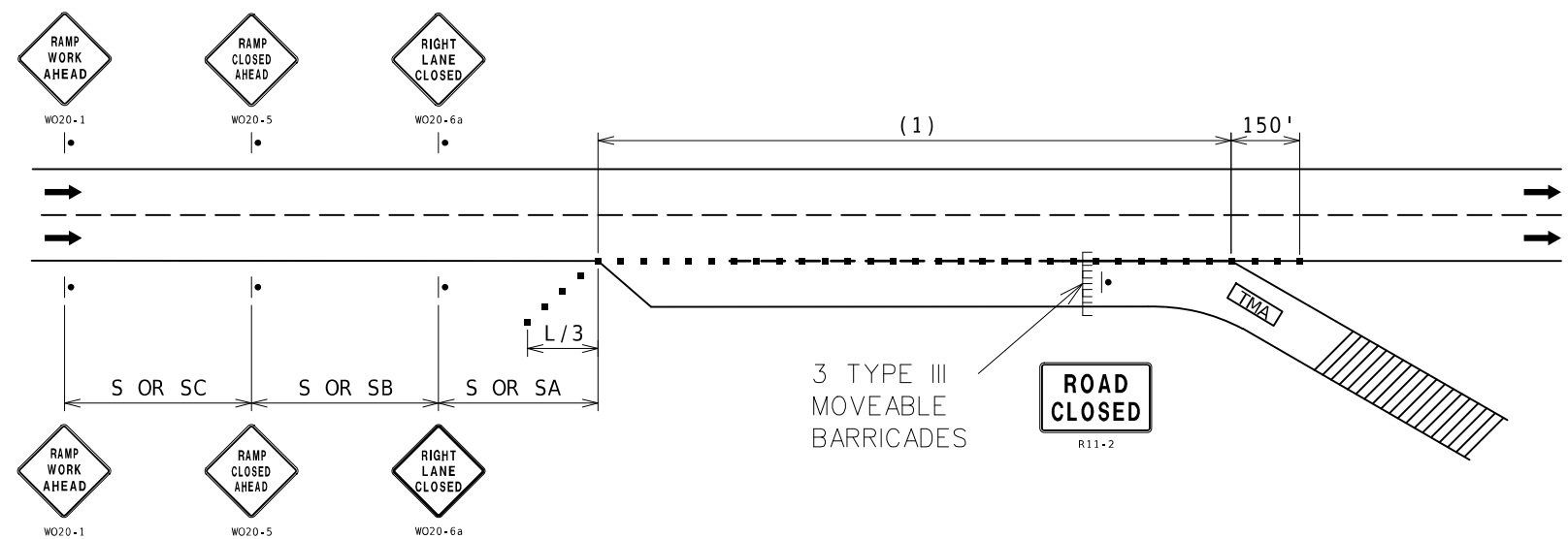
TRAFFIC CONTROL  
SHEET 7 OF 9





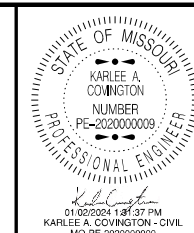
NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.  
(1) CHANNELIZER SPACING AT 50'.

## RAMP CLOSURE



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

## RAMP CLOSURE



DATE PREPARED 12/29/2023	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 9
COUNTY VARIOUS	
JOB NO. J413176	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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**MoDOT**

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