

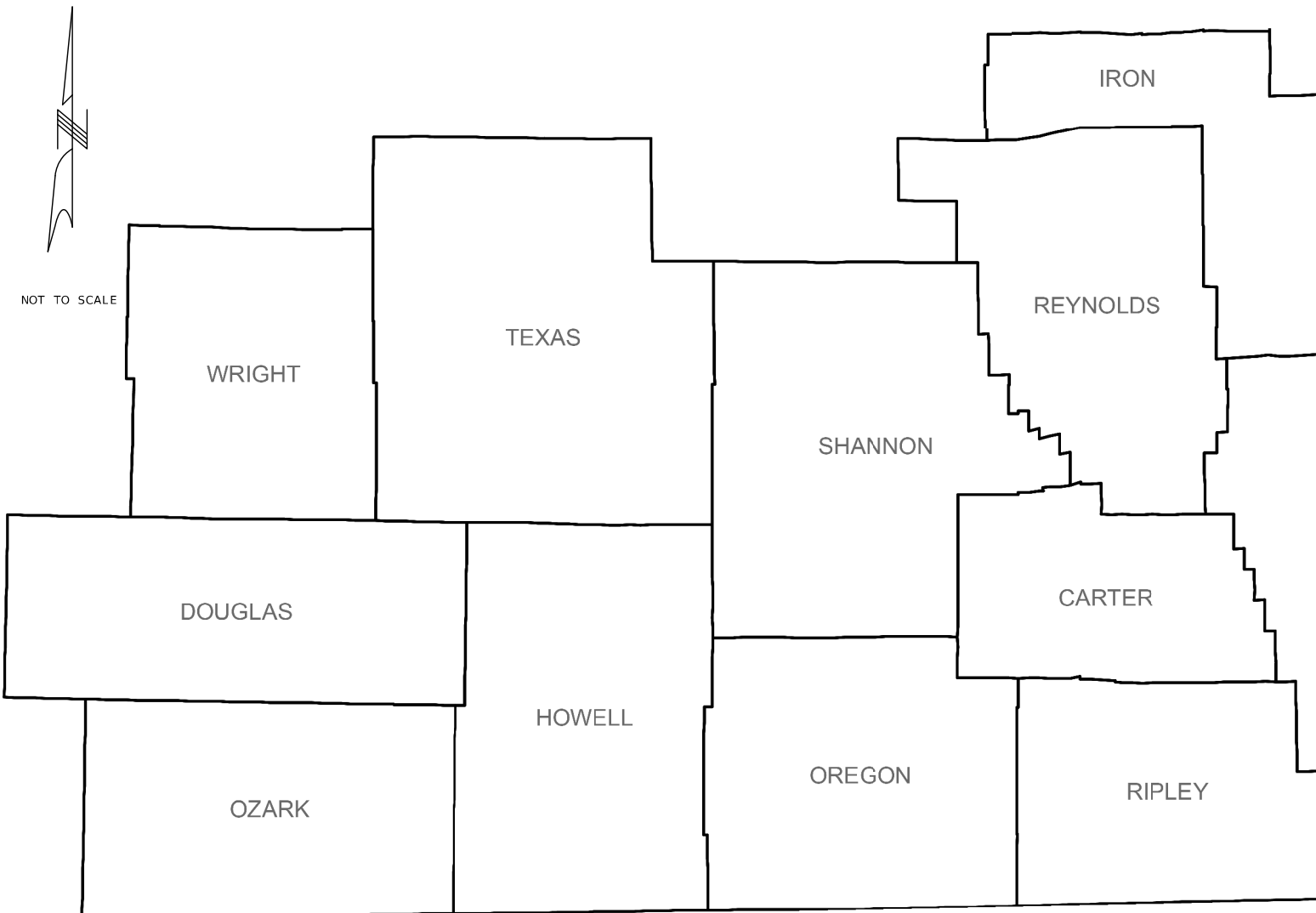
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY

VARIOUS COUNTIES

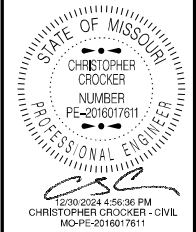
SOUTHEAST DISTRICT



GUARDRAIL/GUARD CABLE REPAIR JOB ORDER CONTRACTING

INDEX OF SHEETS

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



DATE PREPARED 12/27/2024	
ROUTE VAR	STATE MO
DISTRICT SE	SHEET NO. 1
COUNTY VARIOUS	
JOB NO. JSE0137	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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		
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		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

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		
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	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

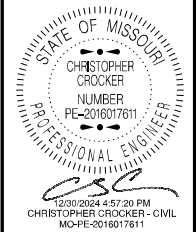
TRAFFIC CONTROL DEVICES

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
- ⌌ TMA TRUCK MOUNTED ATTENUATOR W/ FLASHING ARROW



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12/27/2024

ROUTE STATE
VAR MO

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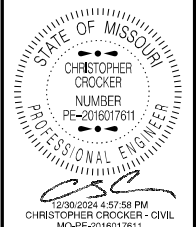
PROJECT NO.

BRIDGE NO.

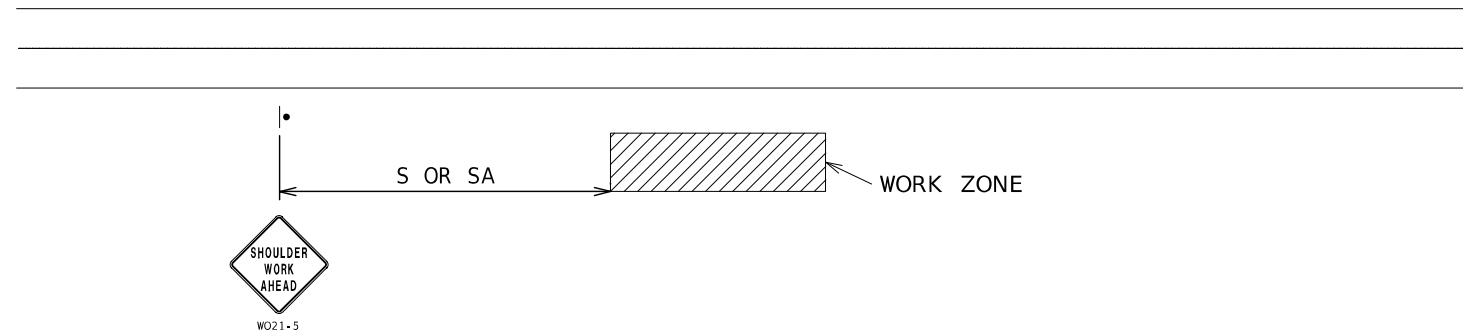
DATE	DESCRIPTION

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DATE PREPARED 12/27/2024	
ROUTE VAR	STATE MO
DISTRICT SE	SHEET NO. 3
COUNTY VARIOUS	
JOB NO. JSE0137	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



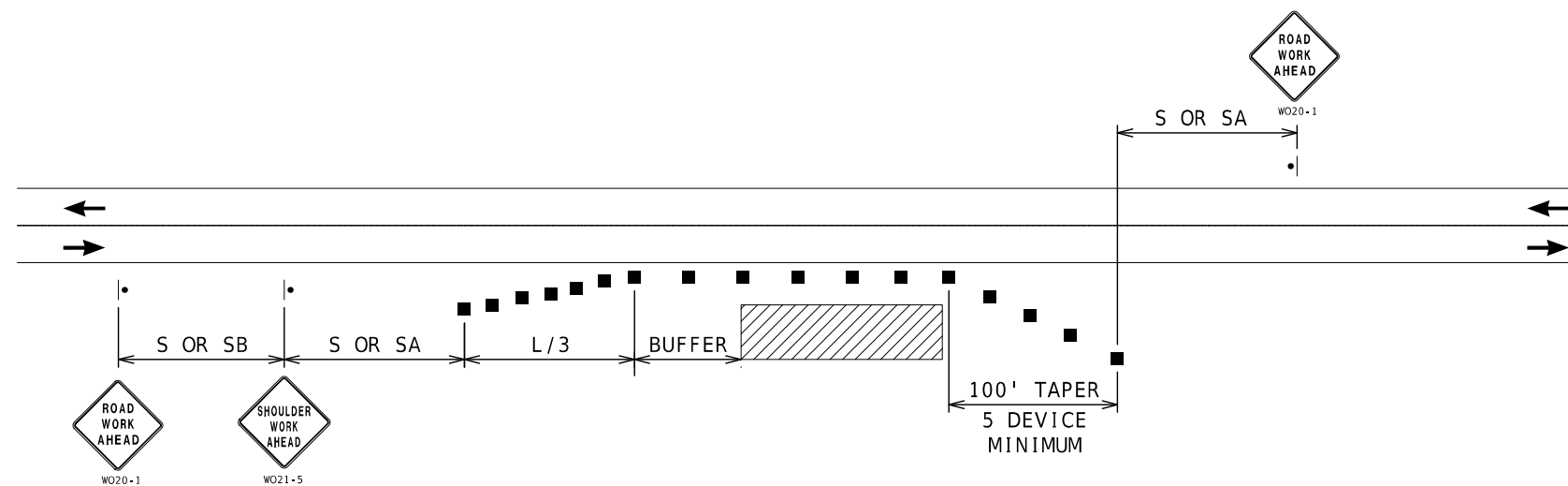
WORK BEYOND SHOULDER - UNDIVIDED OR DIVIDED ROADWAYS

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	DESCRIPTION



SHOULDER WORK - UNDIVIDED ROADWAYS

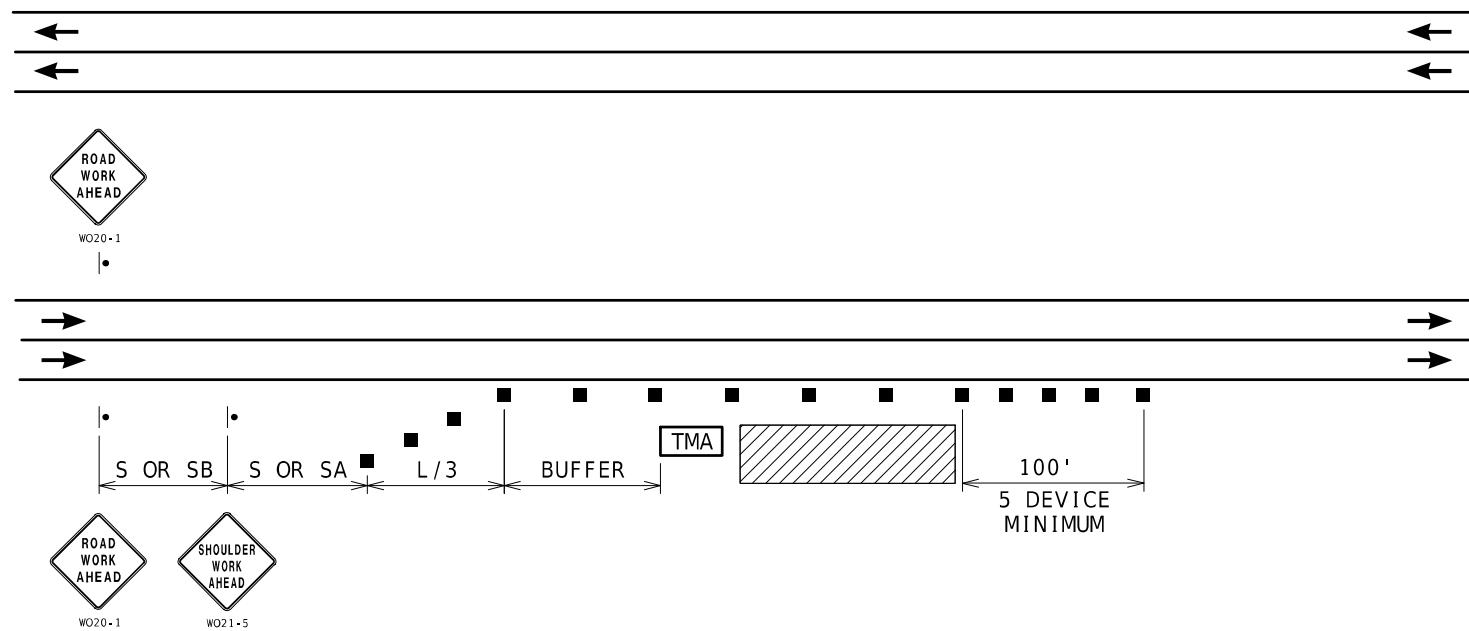
USED FOR WORK ON SHOULDER OR FOR WORK OFF SHOULDER
WITH WORK VEHICLES PARKED ON THE SHOULDER.

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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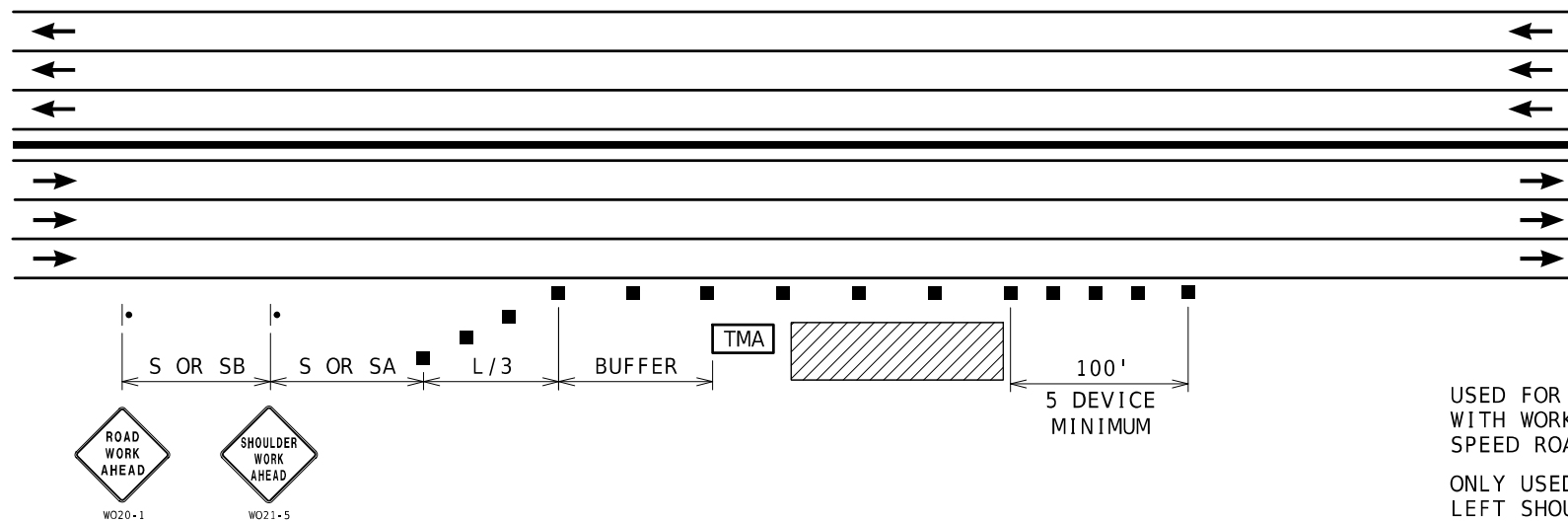


RIGHT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

NOTES:

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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.



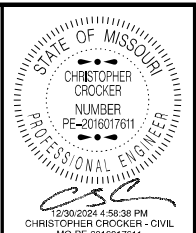
RIGHT SHOULDER WORK MULTI-LANE FREEWAYS WITH MEDIAN BARRIER

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

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

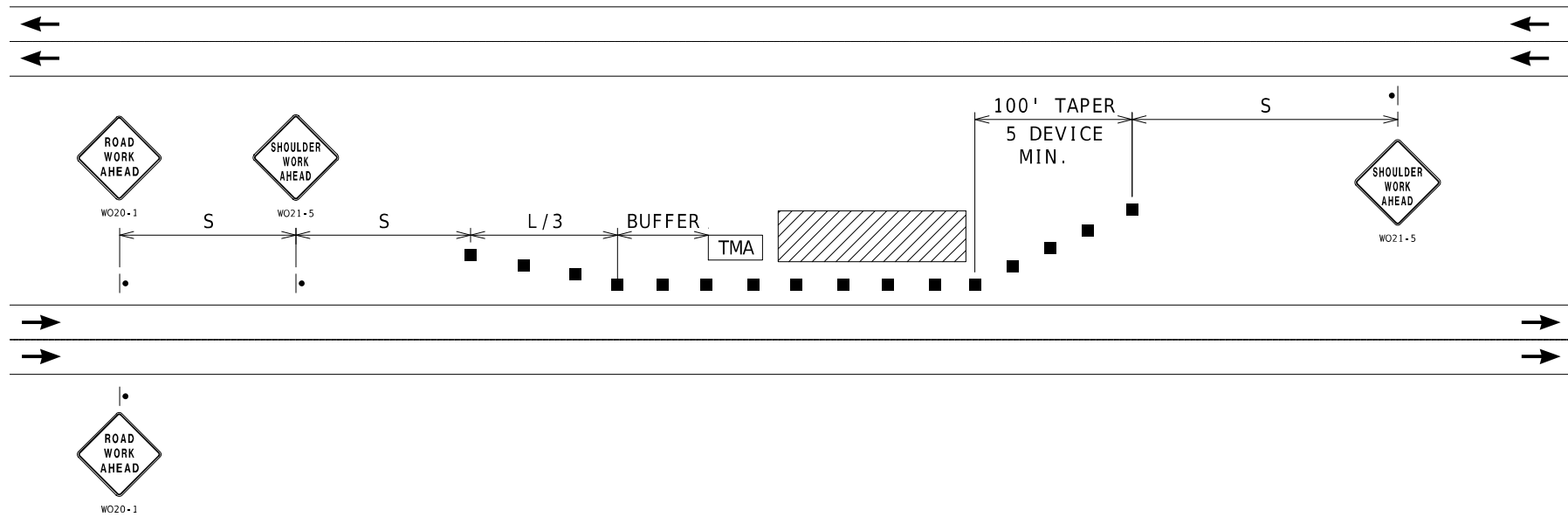


DATE PREPARED 12/27/2024	
ROUTE VAR	STATE MO
DISTRICT SE	SHEET NO. 4
COUNTY VARIOUS	
JOB NO. JSE0137	
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

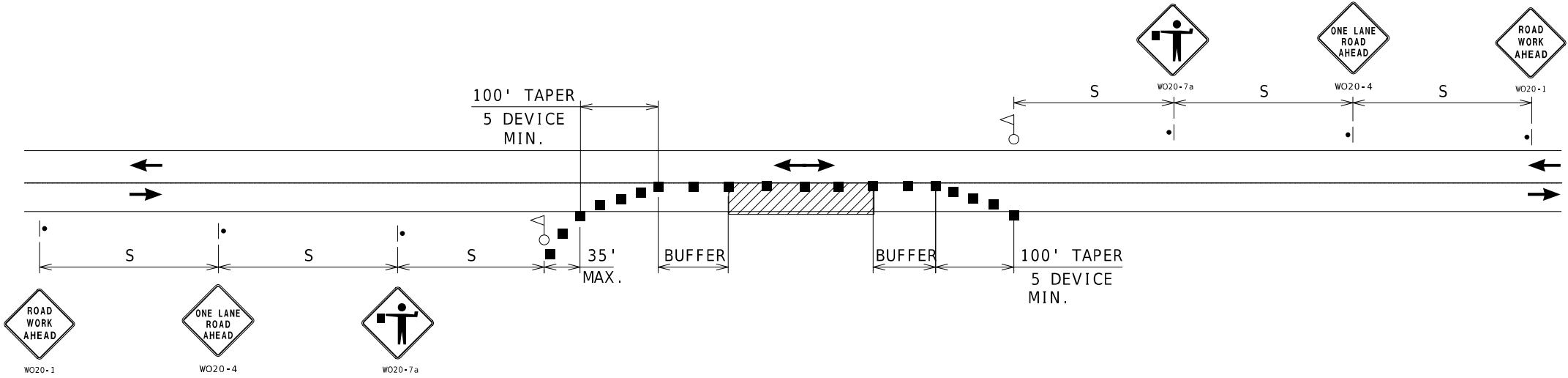
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LEFT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

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

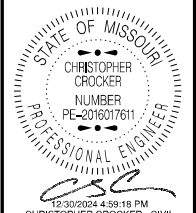
NOTES:
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



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.

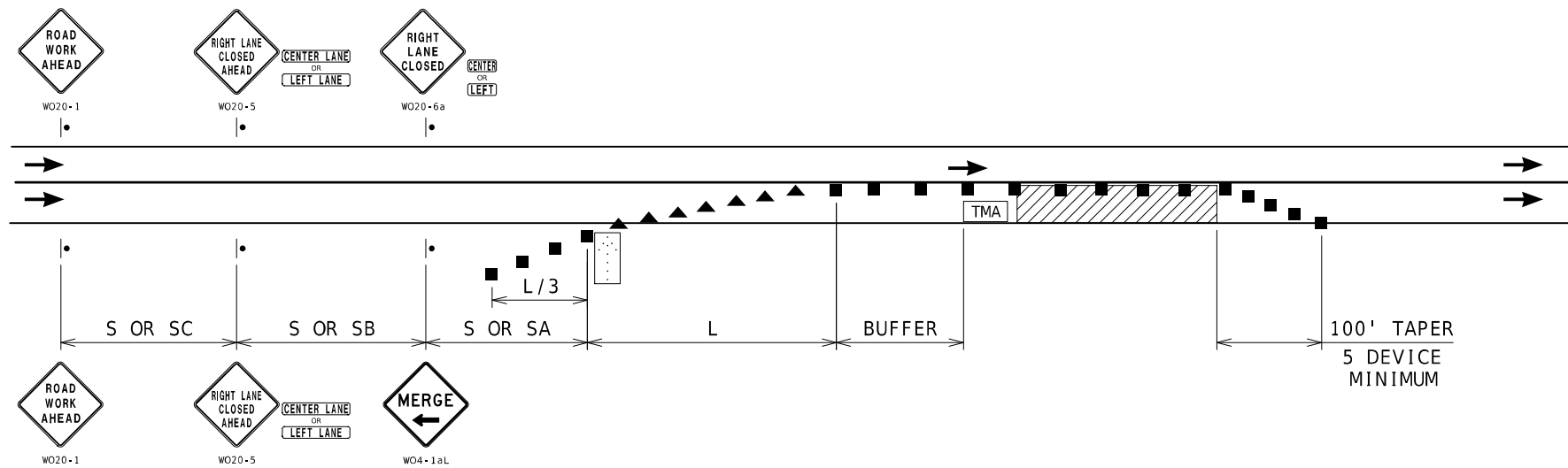


DATE PREPARED
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ROUTE VAR STATE MO
DISTRICT SE SHEET NO. 5
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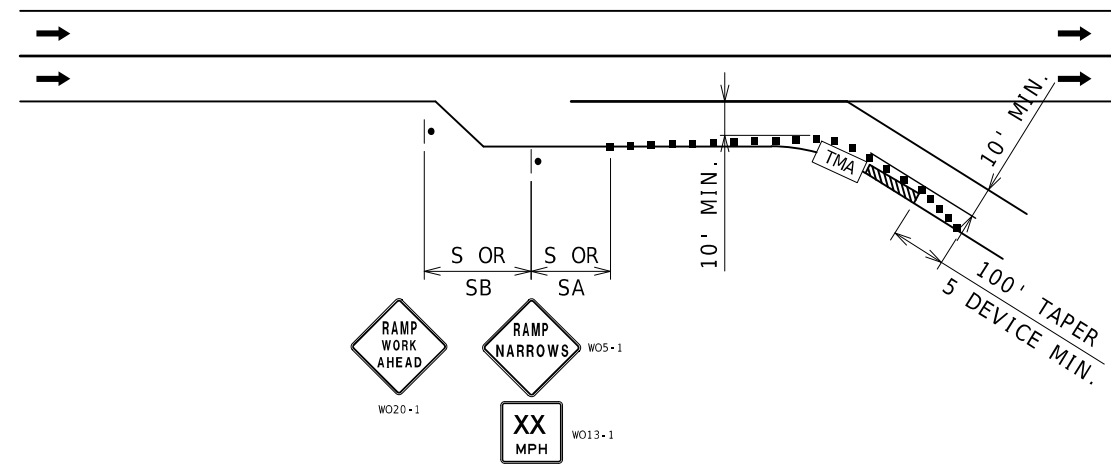
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105 WEST CAPITOL JEFFERSON CITY, MO 65102
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TRAFFIC CONTROL SHEET 4 OF 9



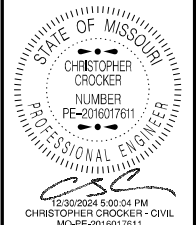
SINGLE LANE CLOSURE

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



PARTIAL RAMP CLOSURE

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

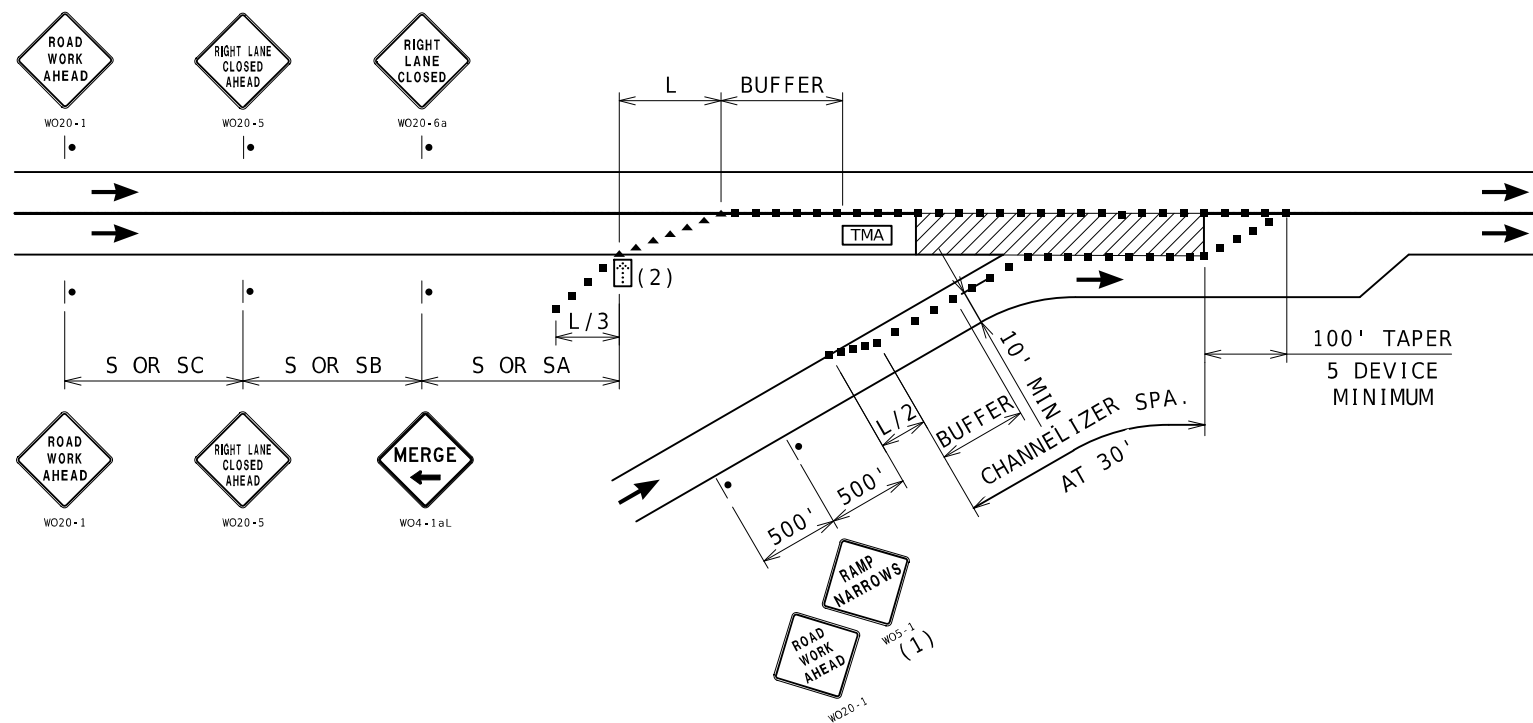


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ROUTE VAR	STATE MO
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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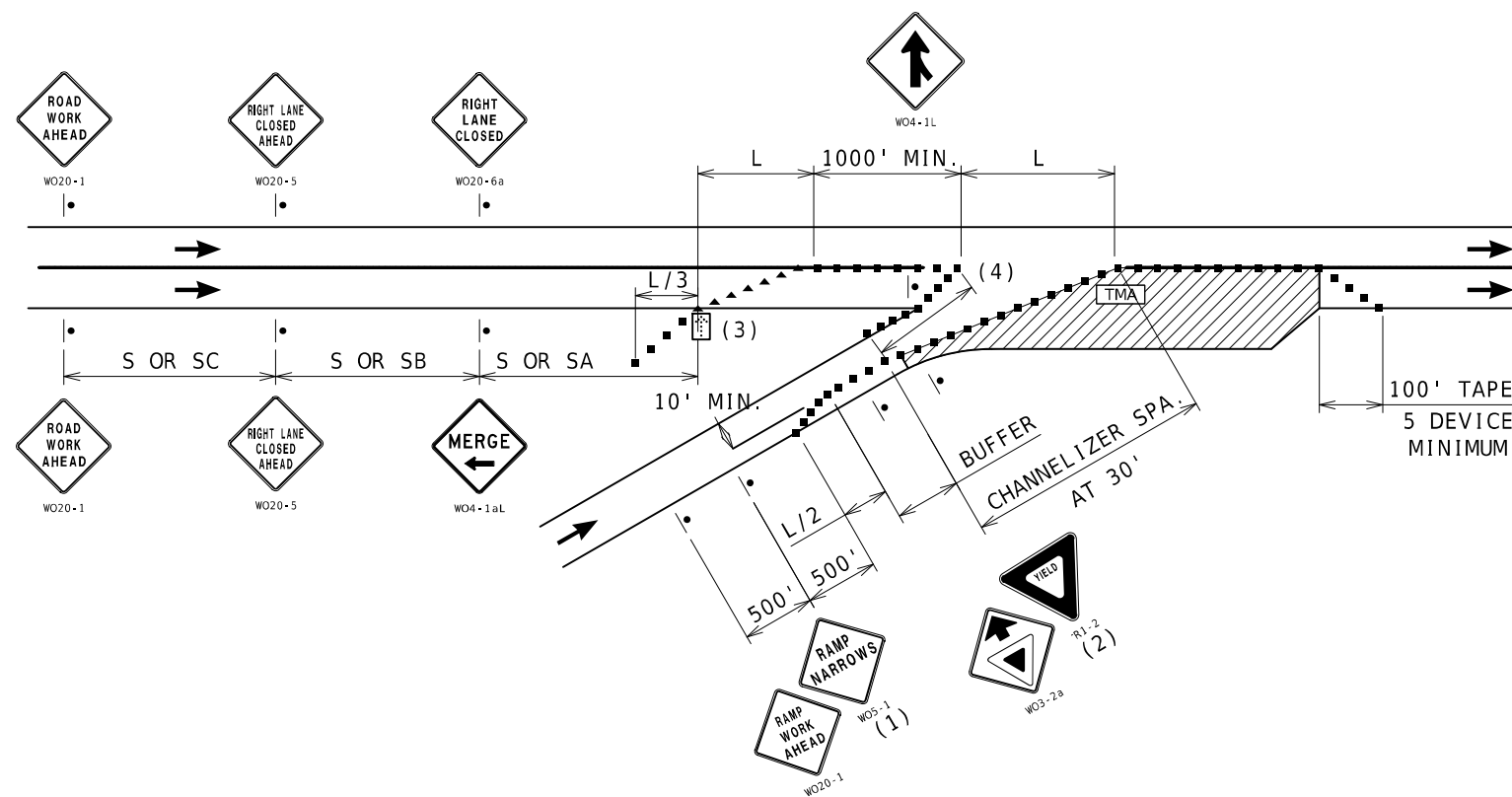
ENTRANCE RAMP AREA MAINLINE WORK

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

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

(2) 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.



ENTRANCE RAMP AREA ACCELERATION LANE WORK

NOTES:

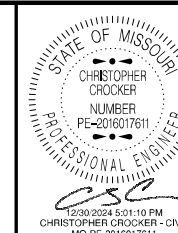
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

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

(2) SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC.

(3) 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'.



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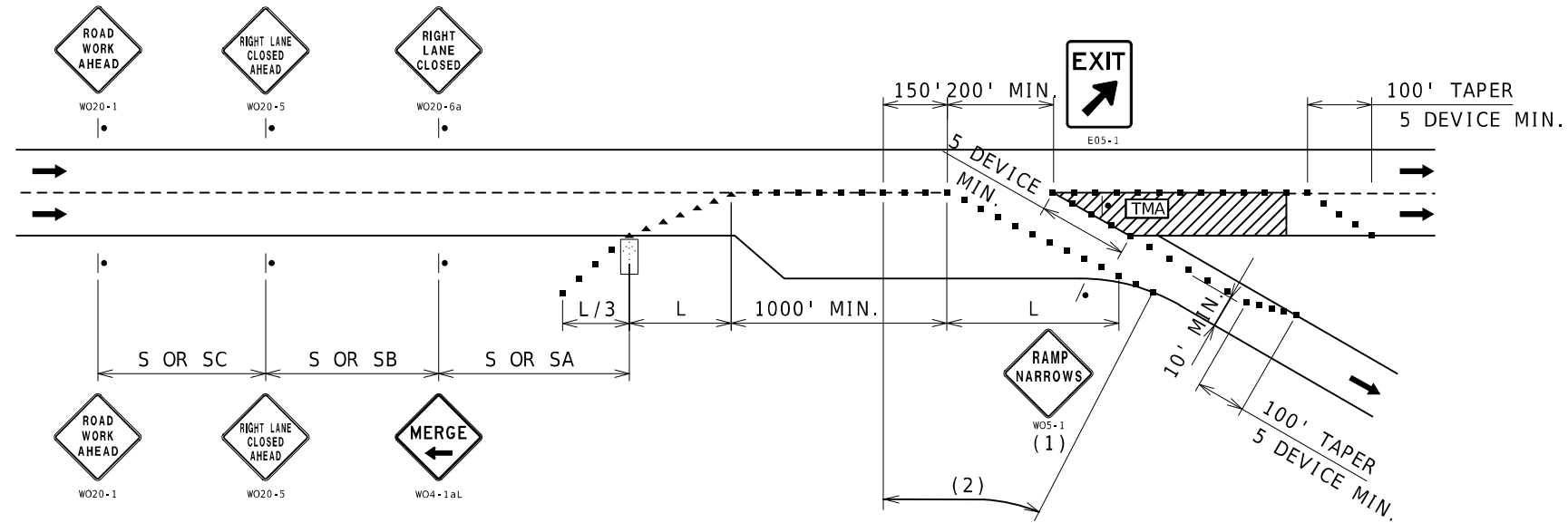
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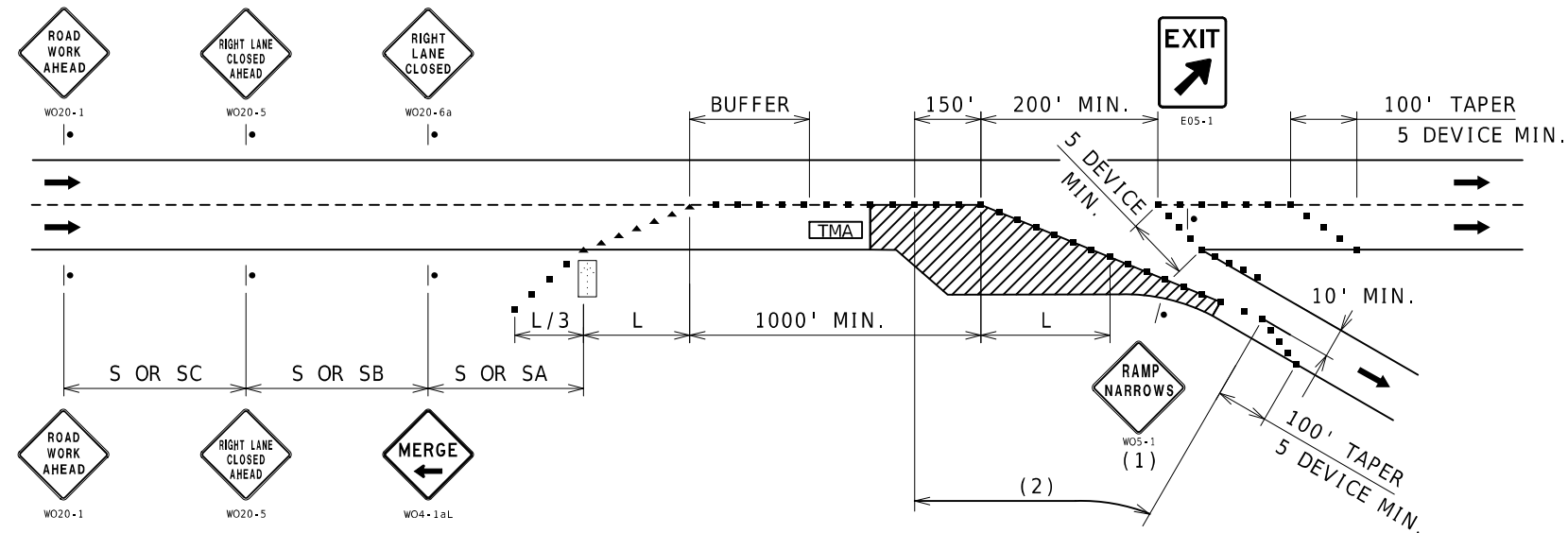
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1-888-ASK-MODOT (1-888-275-6636)



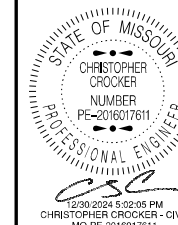
NOTES:
 SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.
 (1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.
 (2) CHANNELIZER SPACING AT 50'.

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



DATE PREPARED
12/27/2024

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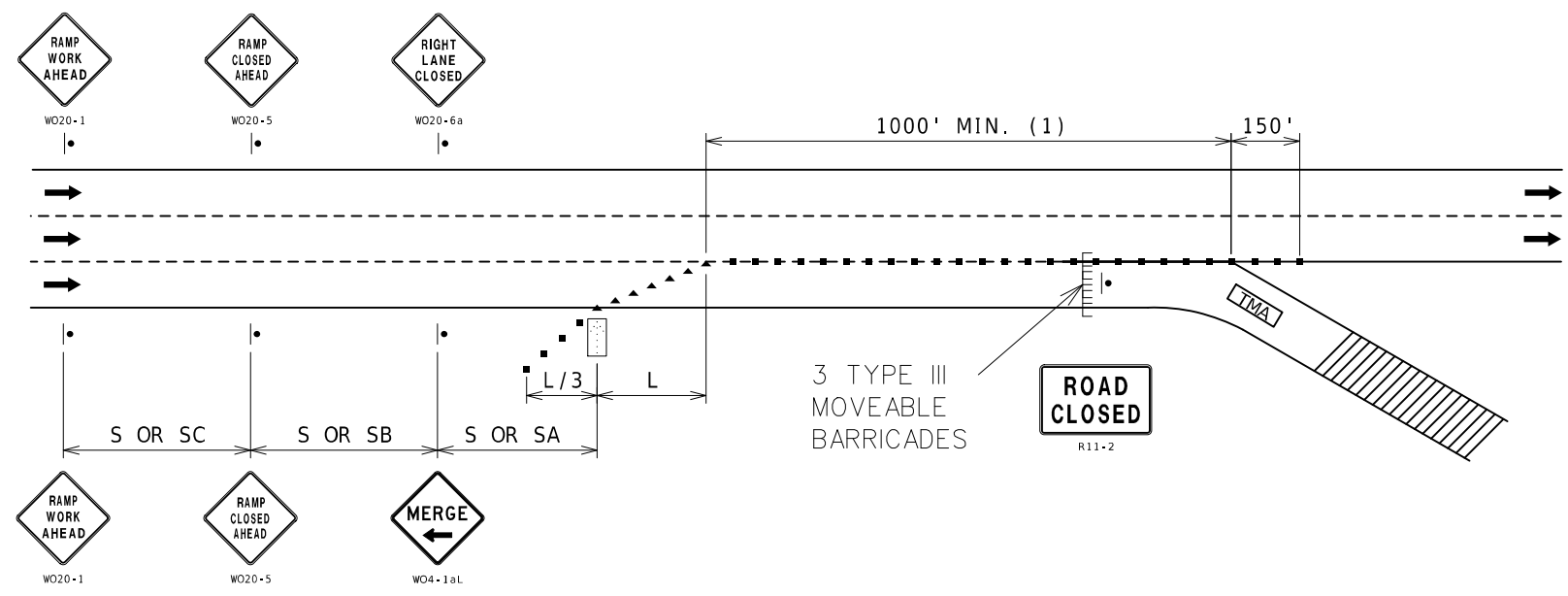
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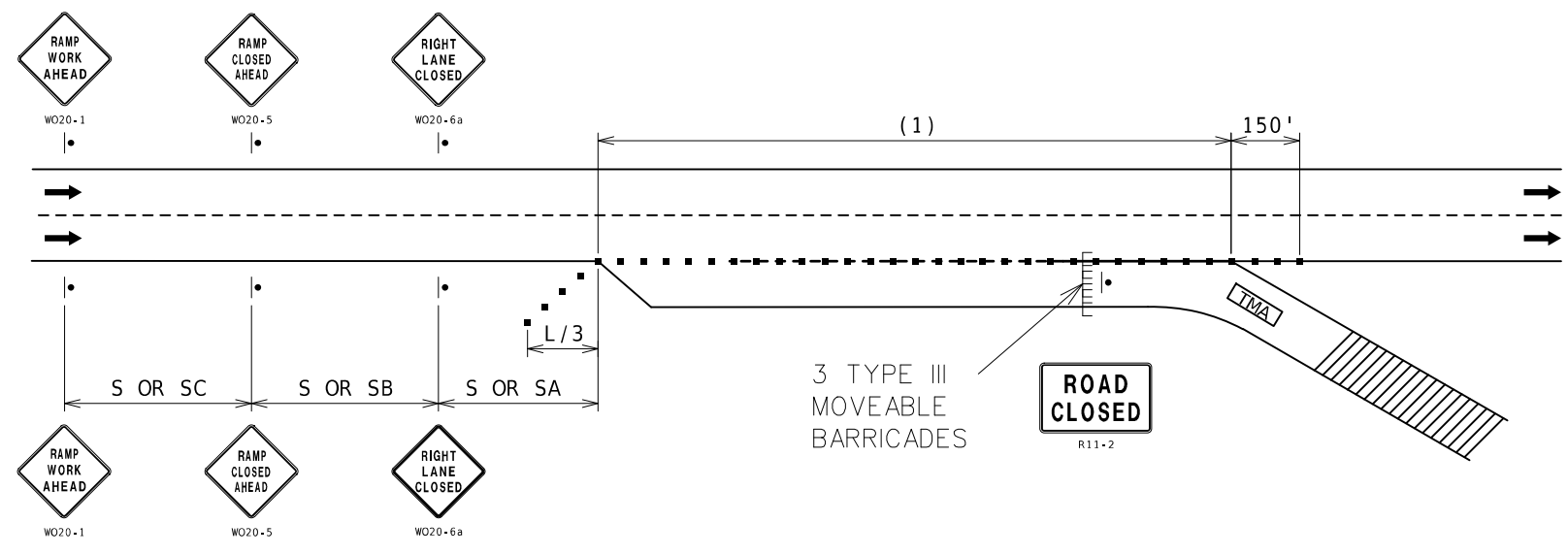
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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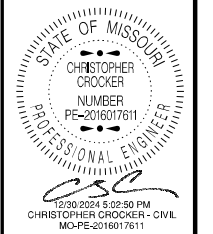
NOTES:
 SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.
 (1) CHANNELIZER SPACING AT 50'.

RAMP CLOSURE



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

RAMP CLOSURE



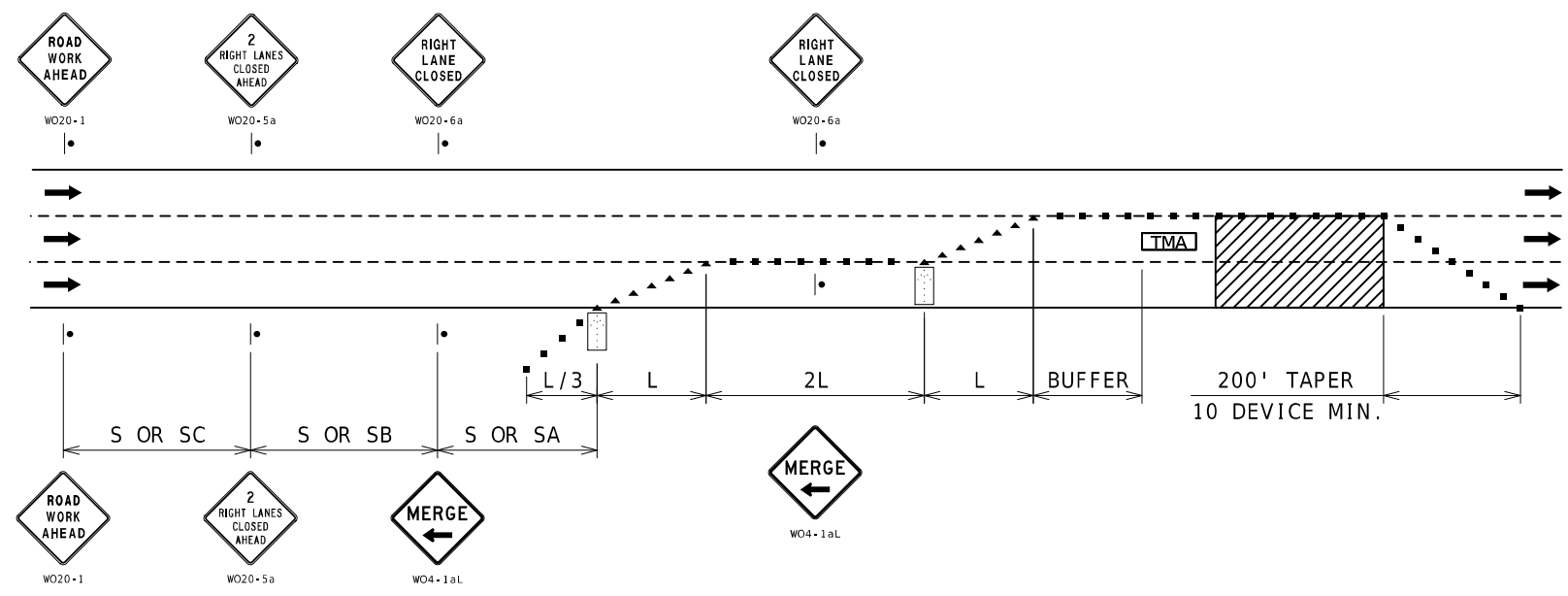
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 VAR MO
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

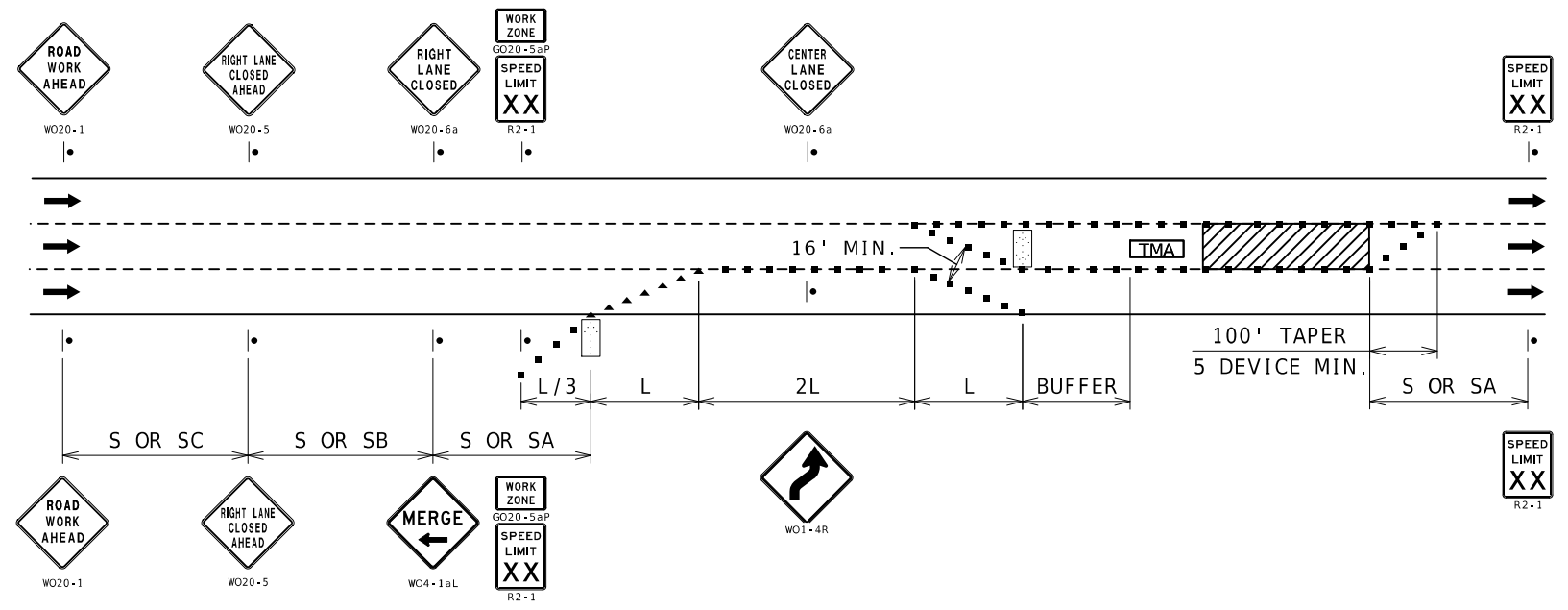
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TRAFFIC CONTROL
 SHEET 8 OF 9



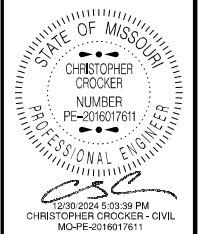
NOTES:
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

DOUBLE LANE CLOSURE



NOTES:
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INTERIOR LANE CLOSURE



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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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