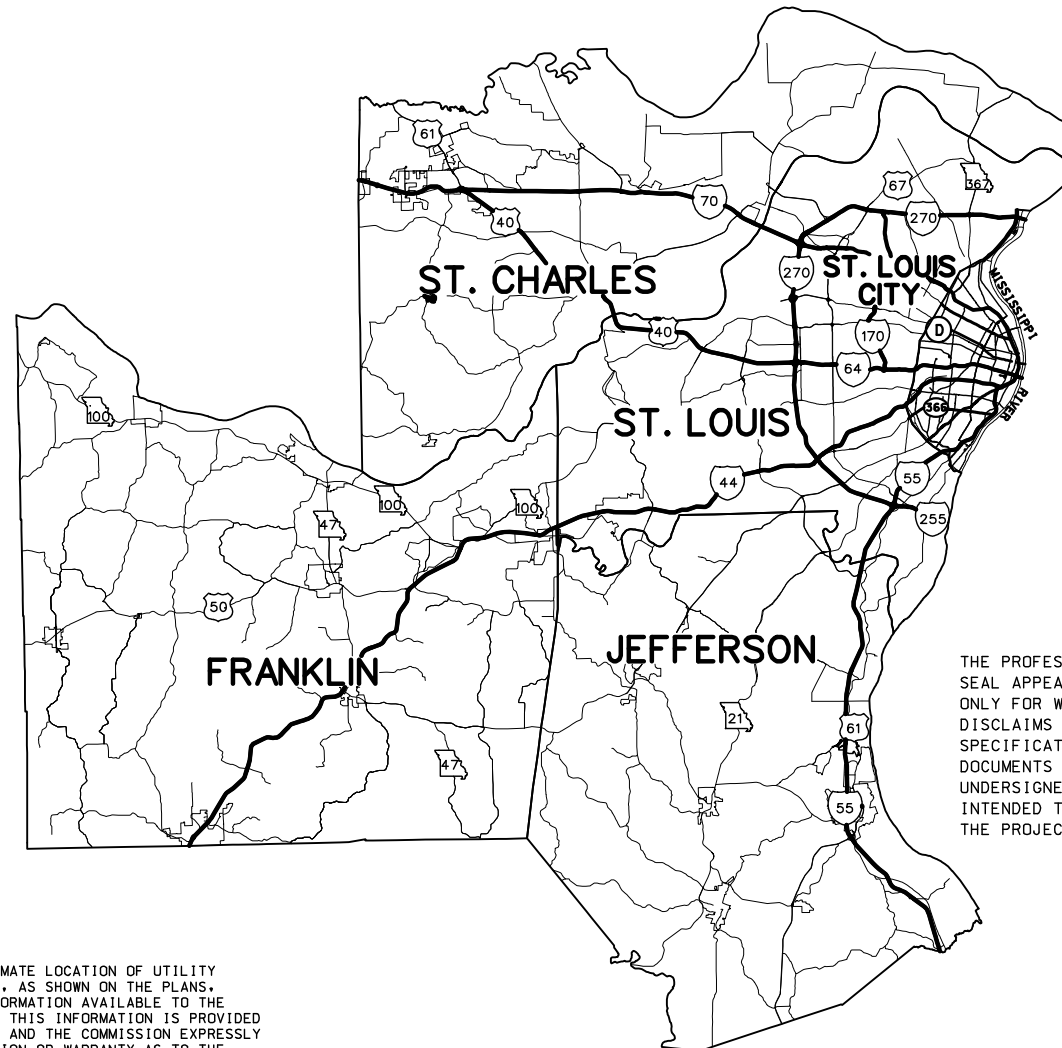


NO NEW RIGHT OF WAY REQUIRED FOR THIS PROJECT

NOT TO SCALE



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## JOB ORDER CONTRACTING

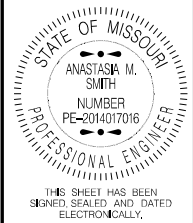
BUILDINGS AND STRUCTURES  
GUARD RAIL  
CONCRETE RIGHT-OF-WAY MARKER  
STEEL RIGHT-OF-WAY MARKER  
LOCATION SURVEY MARKER  
UTILITIES  
FIBER OPTICS  
OVERHEAD TELEPHONE  
UNDERGROUND TELEPHONE  
OVERHEAD POWER  
UNDERGROUND POWER  
GAS  
WATER

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

## INDEX OF SHEETS

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



DATE PREPARED	
2/26/2024	
ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
SL	1
COUNTY	
VARIOUS	
JOB NO.	
J6P3450	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

TITLE SHEET

PROJECT DESCRIPTION:

JOB ORDER CONTRACT FOR  
GUARD CABLE REPAIR  
AT VARIOUS LOCATIONS  
IN THE ST. LOUIS DISTRICT

# 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:

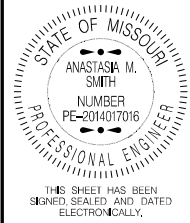
- SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN
- EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
- NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
- CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
- LOCATE 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

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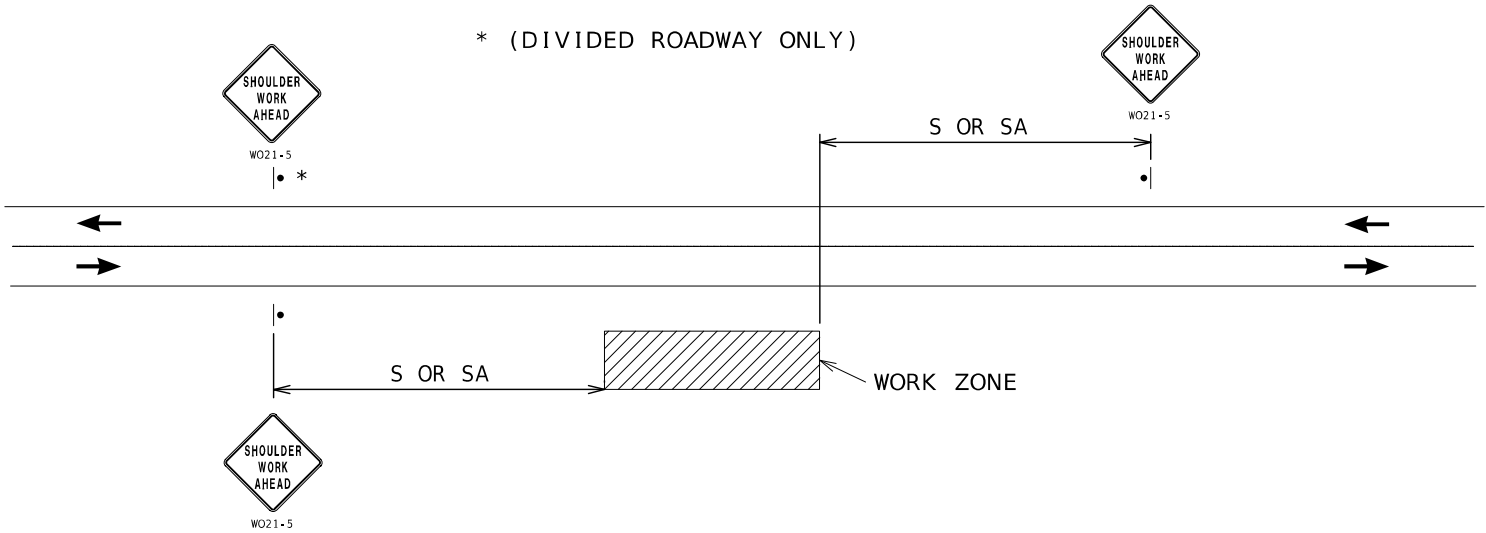
DATE PREPARED 2/26/2024	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 2
COUNTY VARIOUS	
JOB NO. J6P3450	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



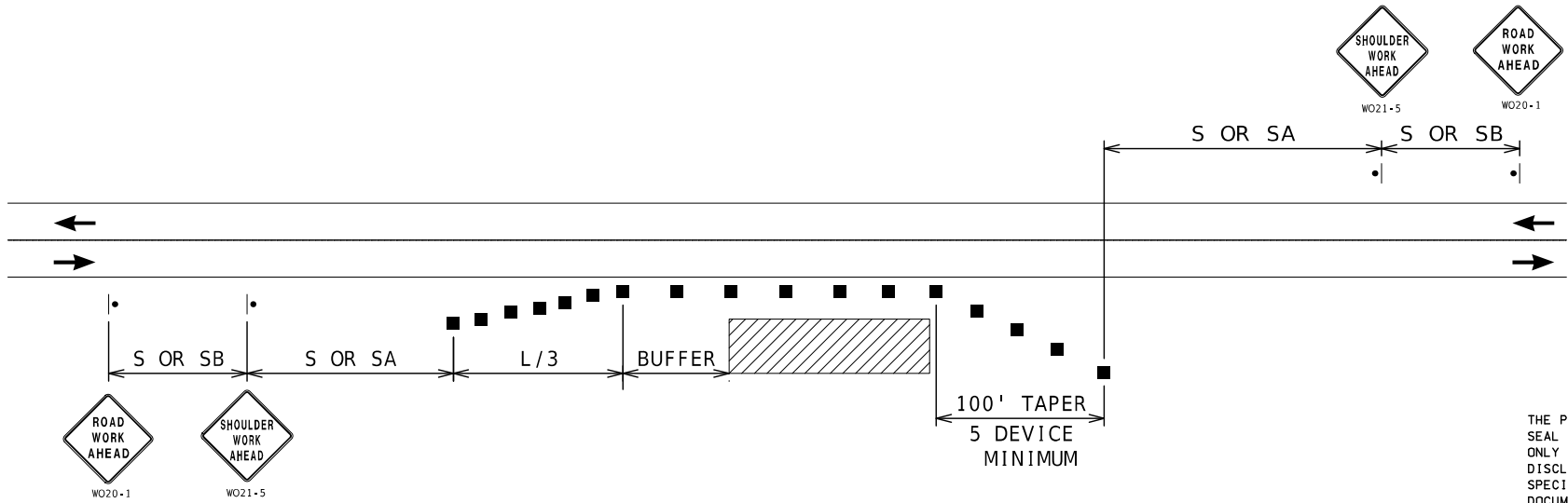
**WORK BEYOND RIGHT SHOULDER - UNDIVIDED OR DIVIDED ROADWAYS**

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.



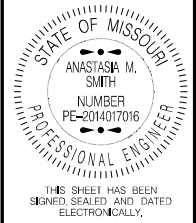
**SHOULDER WORK - UNDIVIDED ROADWAYS**

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.

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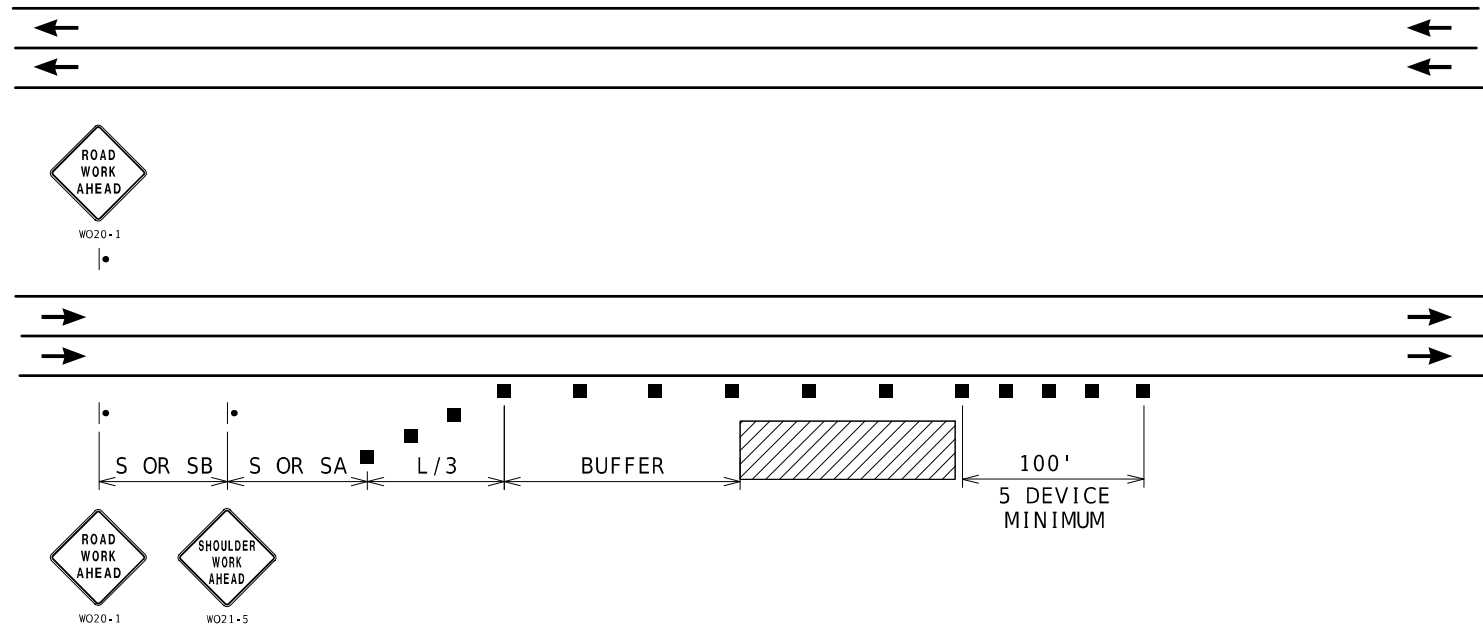


DATE PREPARED 2/26/2024	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 3
COUNTY VARIOUS	
JOB NO. J6P3450	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

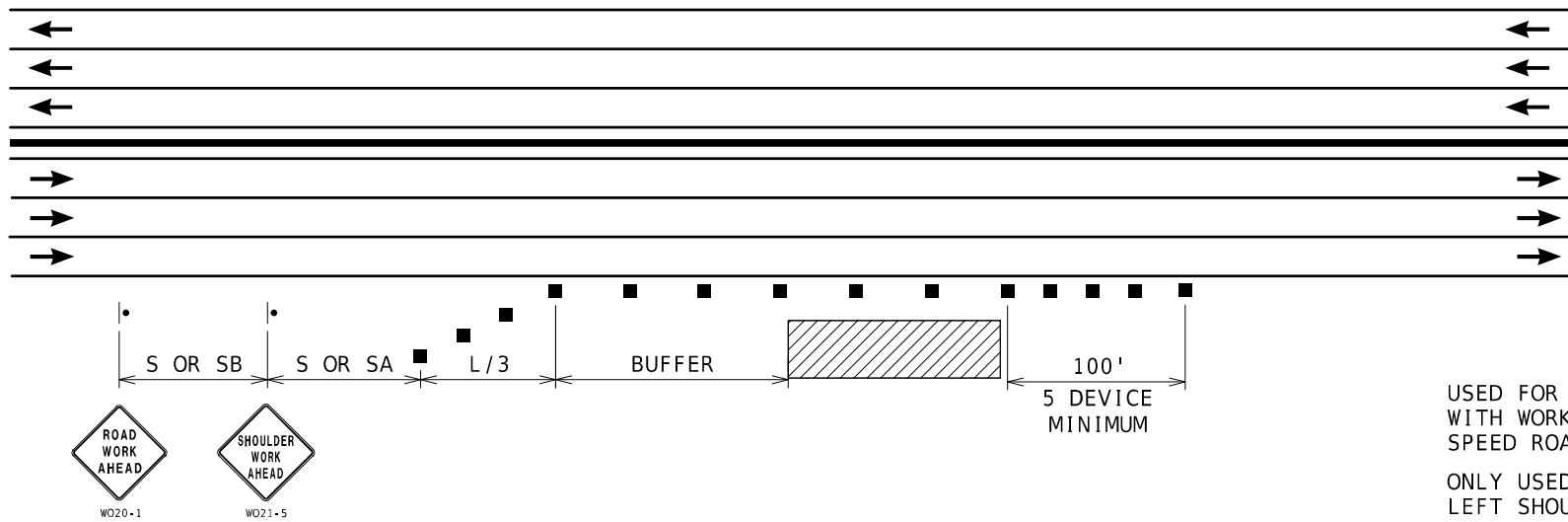


RIGHT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

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.



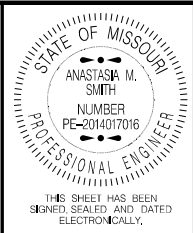
RIGHT SHOULDER WORK  
MULTI-LANE FREEWAYS WITH MEDIAN BARRIER

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

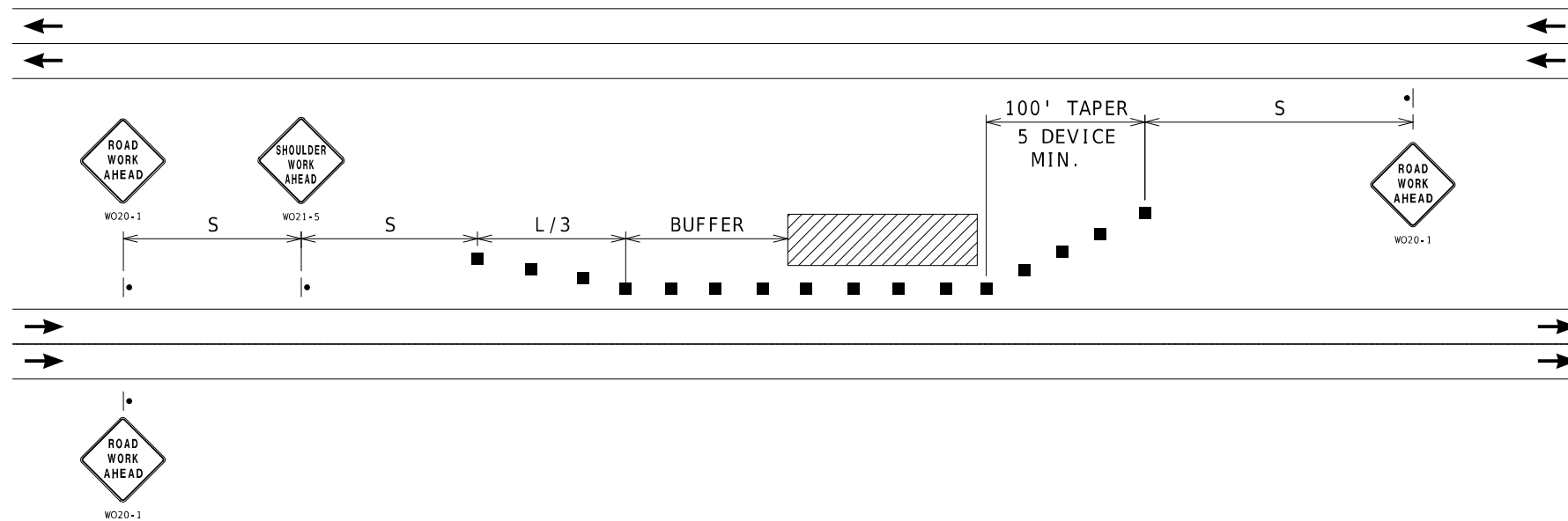


DATE PREPARED 2/26/2024	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 4
COUNTY VARIOUS	
JOB NO. J6P3450	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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

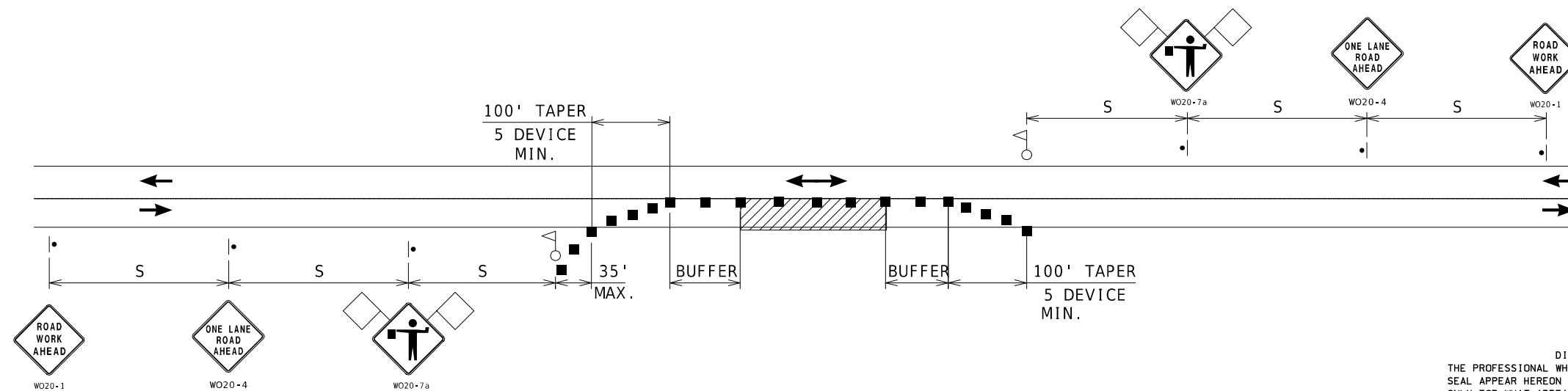


## LEFT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

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.

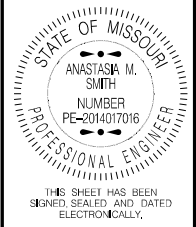


## ONE-LANE TWO-WAY OPERATION WITH FLAGGERS

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  
0-10-68-1000-1

ROUTE	STATE
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DISTRICT	SHEET NO.
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SE	S
COUNTY	

VAR1005
JOB NO.

3013430
CONTRACT ID.

PROJECT NO.
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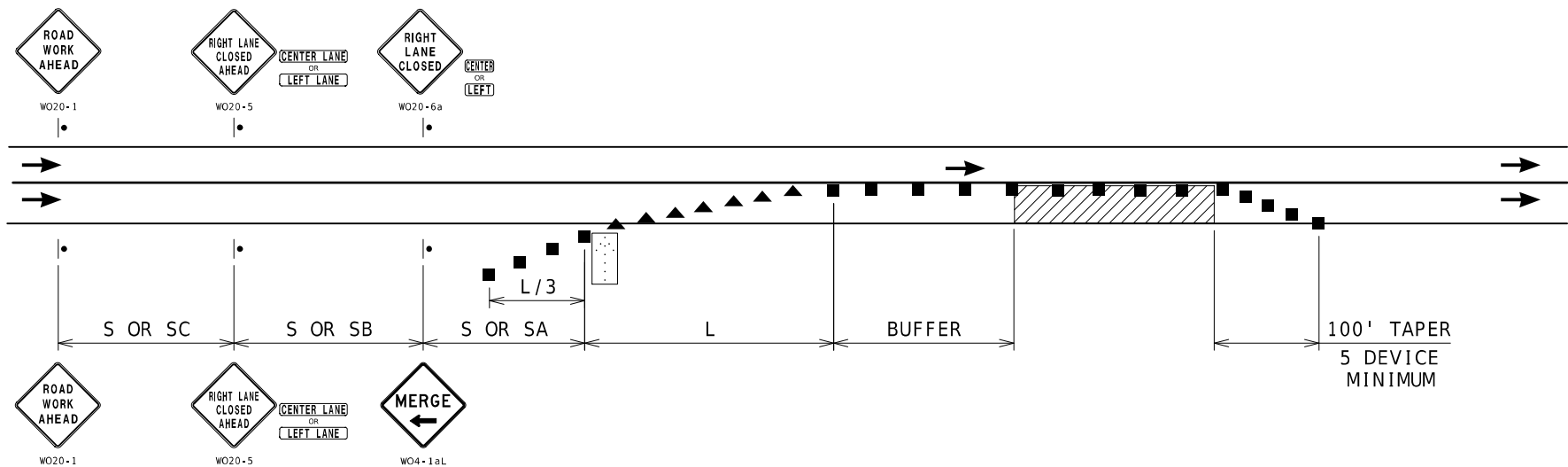
BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

TRAFFIC CONTROL  
SHEET 4 OF 9

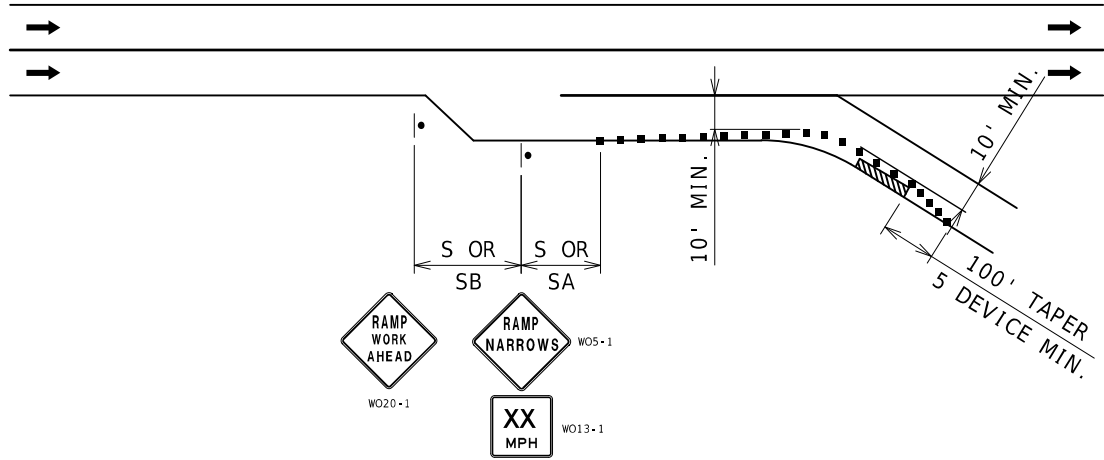
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NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

SINGLE LANE CLOSURE



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

PARTIAL RAMP CLOSURE

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STATE OF MISSOURI

ANASTASIA M. SMITH

NUMBER PE-2014017016

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

2/26/2024

ROUTE

VAR

DISTRICT

SL

STATE

MO

SHEET NO.

6

COUNTY

VARIOUS

JOB NO.

J6P3450

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

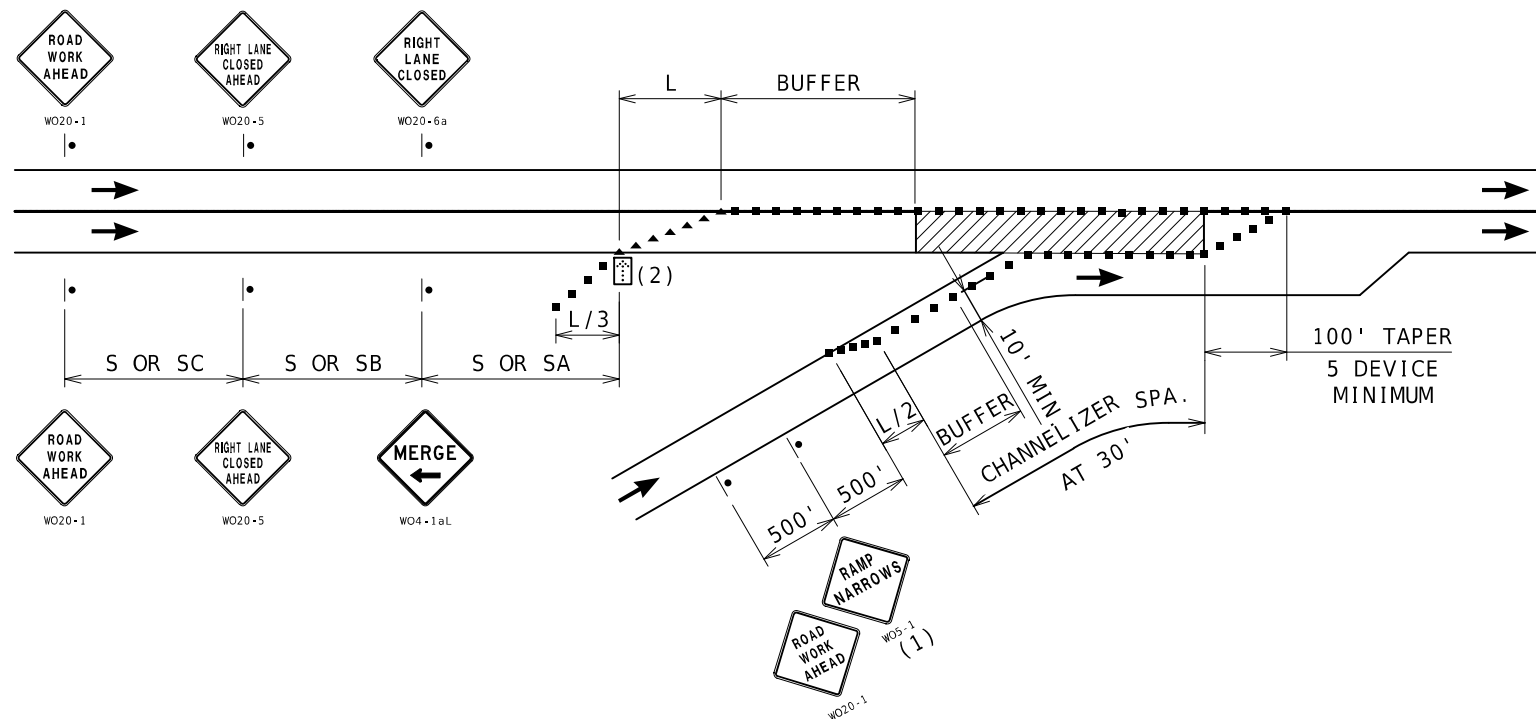
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

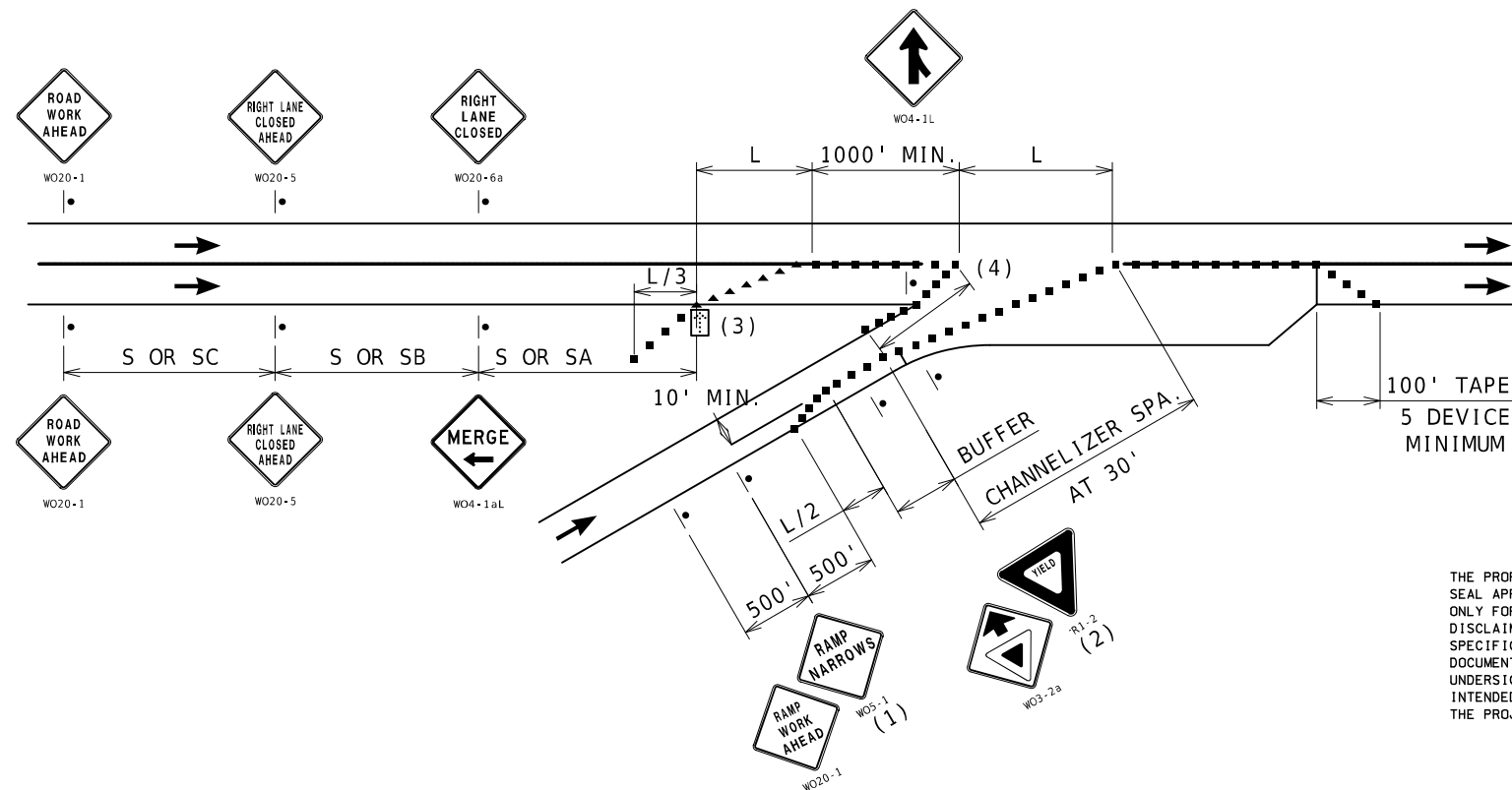
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET 5 OF 9



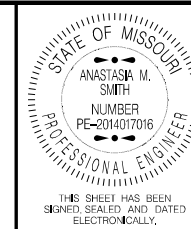
- NOTES:
- SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.
- (1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.
- (2) THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUCSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORIST ON THE RAMP.

## ENTRANCE RAMP AREA MAINLINE WORK



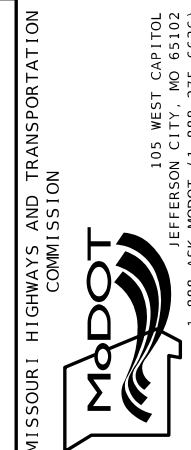
- NOTES:
- SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.
- (1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.
- (2) SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC.
- (3) THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUCSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORIST ON THE RAMP.
- (4) CHANNELIZER SPACING AT 30'.

## ENTRANCE RAMP AREA ACCELERATION LANE WORK

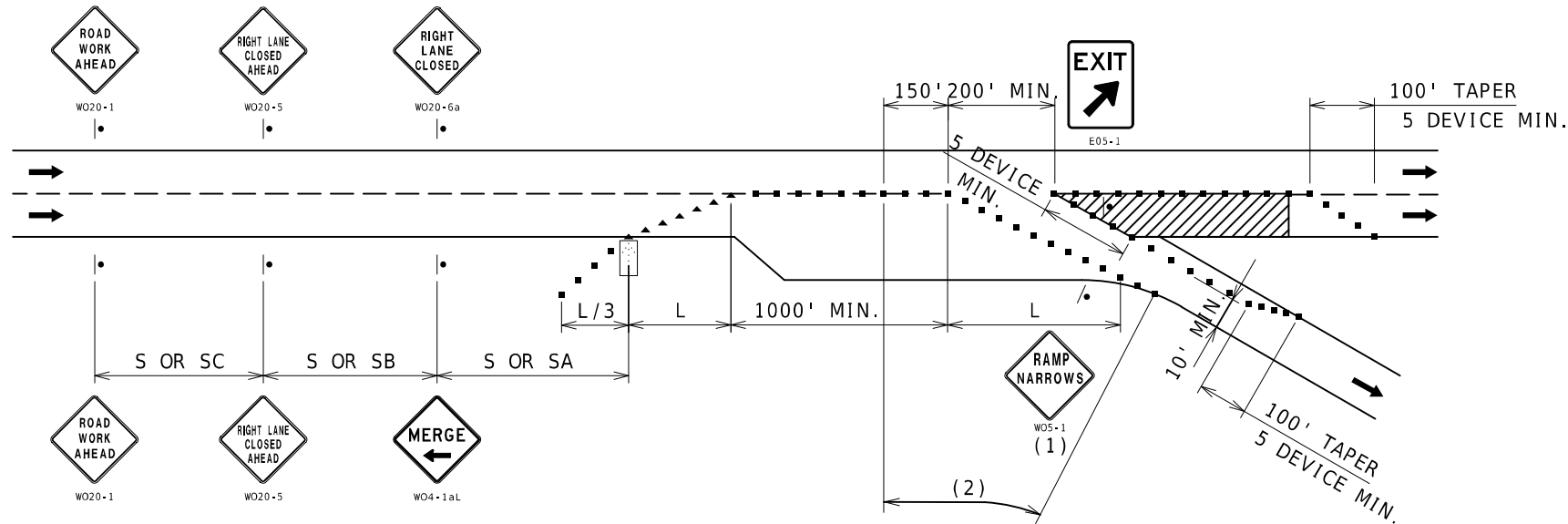


DATE PREPARED 2/26/2024	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 7
COUNTY VARIOUS	
JOB NO. J6P3450	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

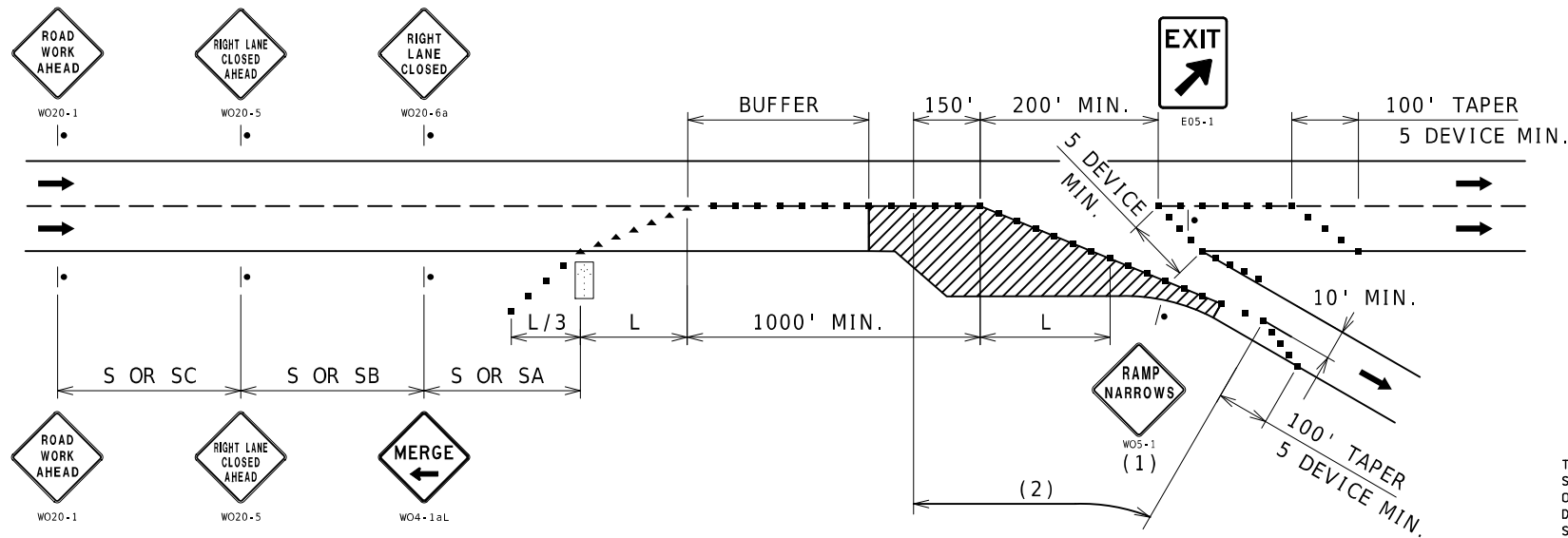


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NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.  
(1) SIGN ONLY REQUIRED WHEN RAMP WIDTH IS REDUCED.  
(2) CHANNELIZER SPACING AT 50'.

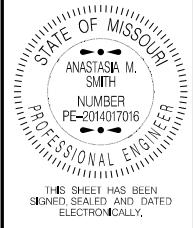
EXIT RAMP AREA  
MAINLINE WORK



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

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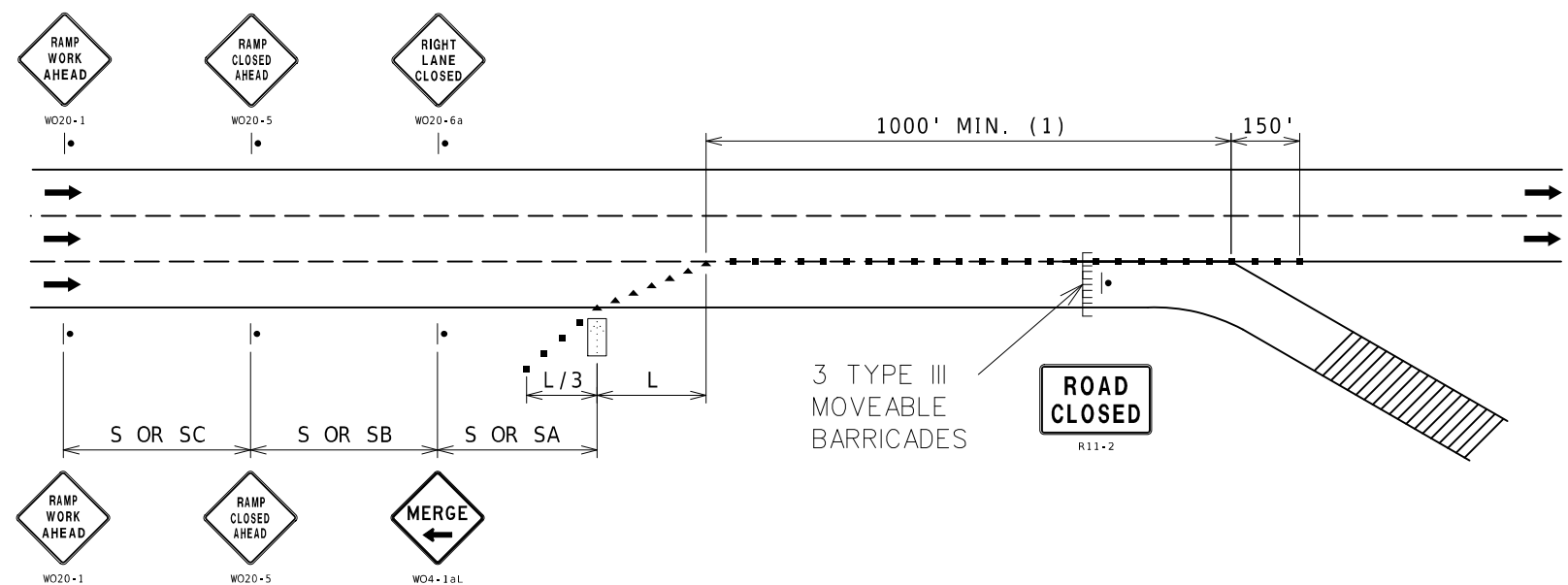
DATE PREPARED 2/26/2024	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 8
COUNTY VARIOUS	
JOB NO. J6P3450	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

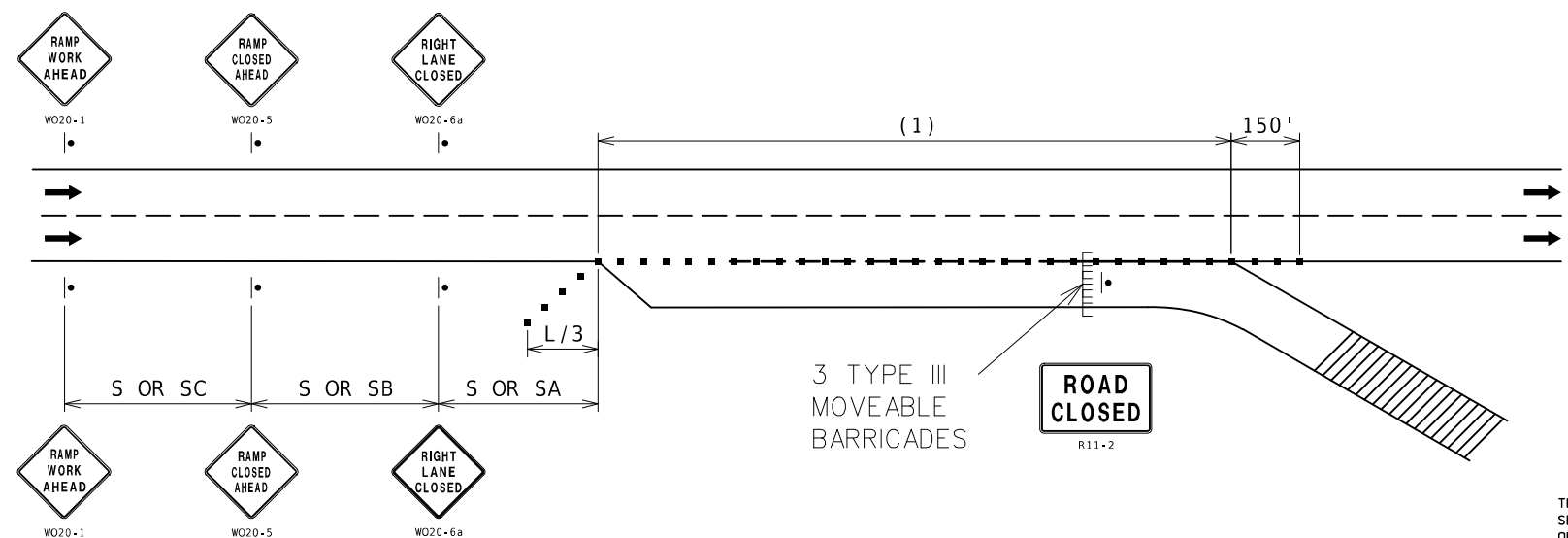
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)





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

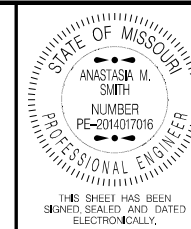
## RAMP CLOSURE



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

## RAMP CLOSURE

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DATE PREPARED 2/26/2024	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 9
COUNTY VARIOUS	
JOB NO. J6P3450	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION



