

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

	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

NOT TO SCALE

ST. CHARLES

ST. LOUIS CITY

ST. LOUIS

FRANKLIN

JEFFERSON

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THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

JOB ORDER CONTRACTING

DISCLAIMER

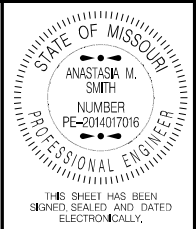
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DESCRIPTION

TITLE SHEET	1
TRAFFIC CONTROL SHEETS (TC)	2-11

SHEET
NUMBER


1
2 - 11



DATE PREPARED	
3/13/2024	
ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
SL	1
COUNTY	
VARIOUS	
JOB NO.	
J6P3454	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

[illegible]


 MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-2-75-6636)

PROJECT DESCRIPTION

JOB ORDER CONTRACTING FOR
 CONCRETE PAVEMENT REPAIR
 AT VARIOUS COMMISSION
 OWNED ROADWAYS IN
 VARIOUS COUNTIES OF THE
 ST. LOUIS DISTRICT

FOR INFORMATION ONLY	
ESTIMATED DISTURBED ACRES	0 ACRES

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

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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

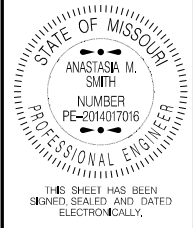
TRAFFIC CONTROL DEVICES

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
- TMA TRUCK MOUNTED ATTENUATOR
W/ FLASHING ARROW



DATE PREPARED 11/22/2023	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 2
COUNTY VARIOUS	
JOB NO. J6P3454	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

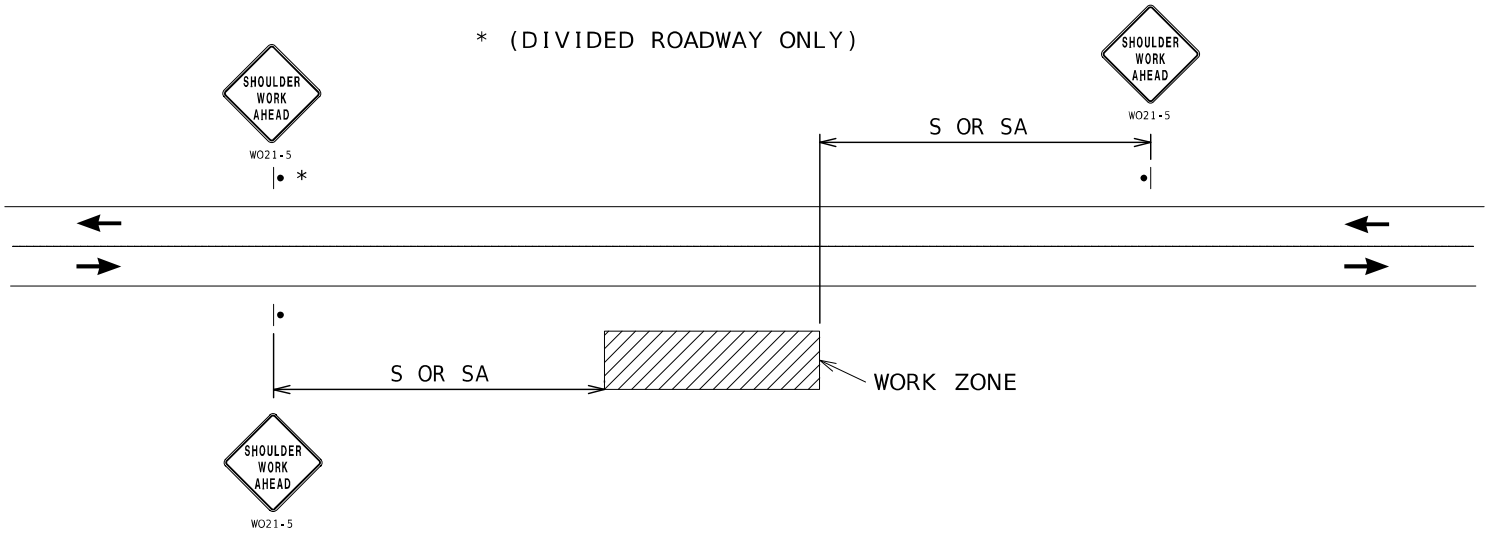
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

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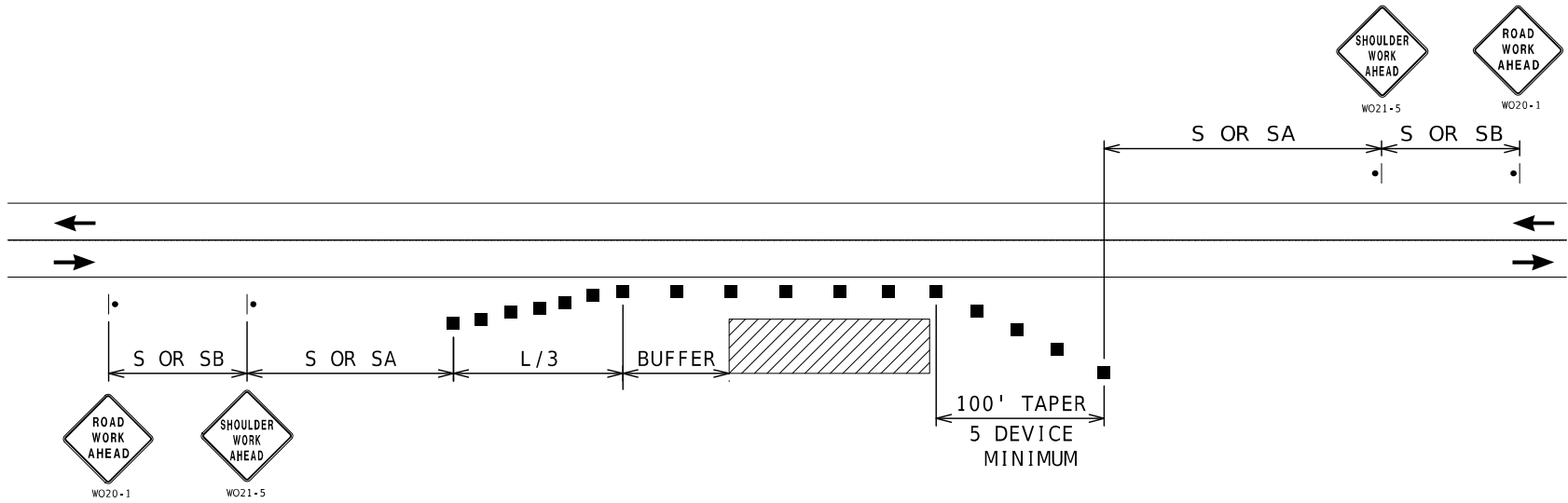
WORK BEYOND RIGHT SHOULDER - UNDIVIDED OR DIVIDED ROADWAYS

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

ANASTASIA M. SMITH

NUMBER PE-20140107016

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

11/22/2023

ROUTE

VAR

STATE

MO

DISTRICT

SL

SHEET NO.

3

COUNTY

VARIOUS

JOB NO.

J6P3454

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

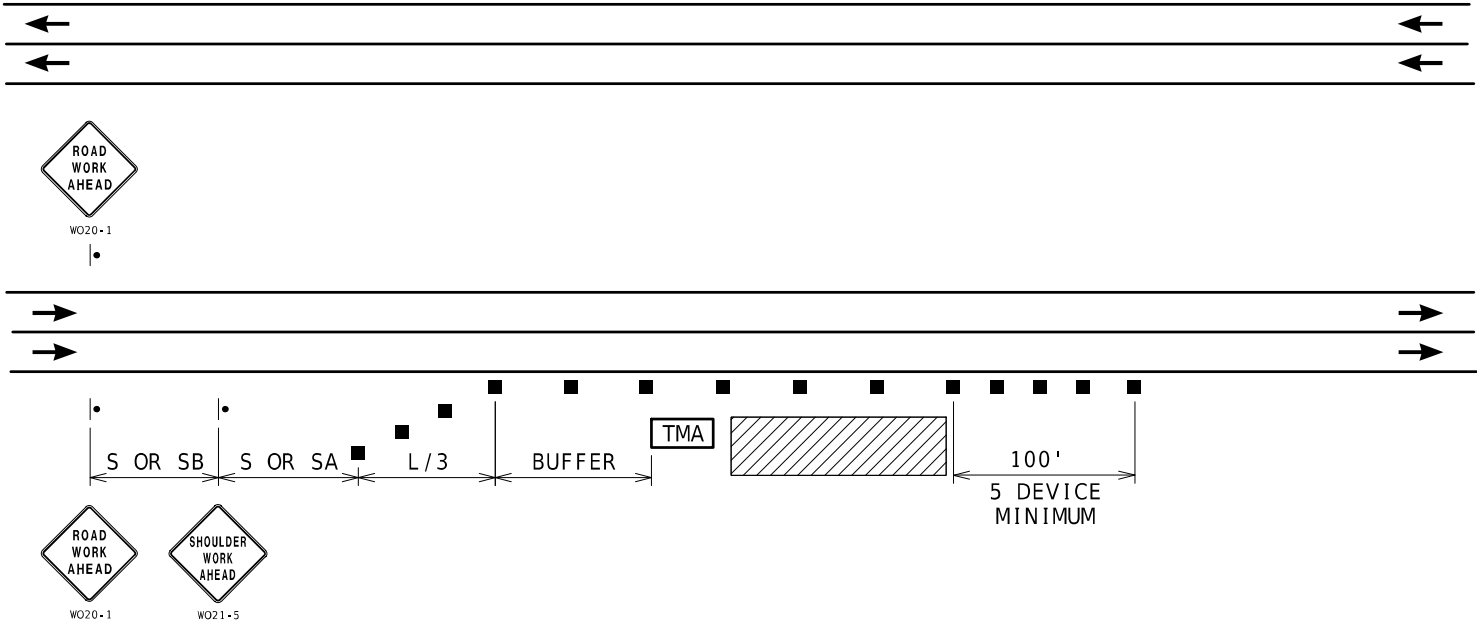
JEFFERSON CITY, MO 65102

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

TRAFFIC CONTROL

SHEET 2 OF 10

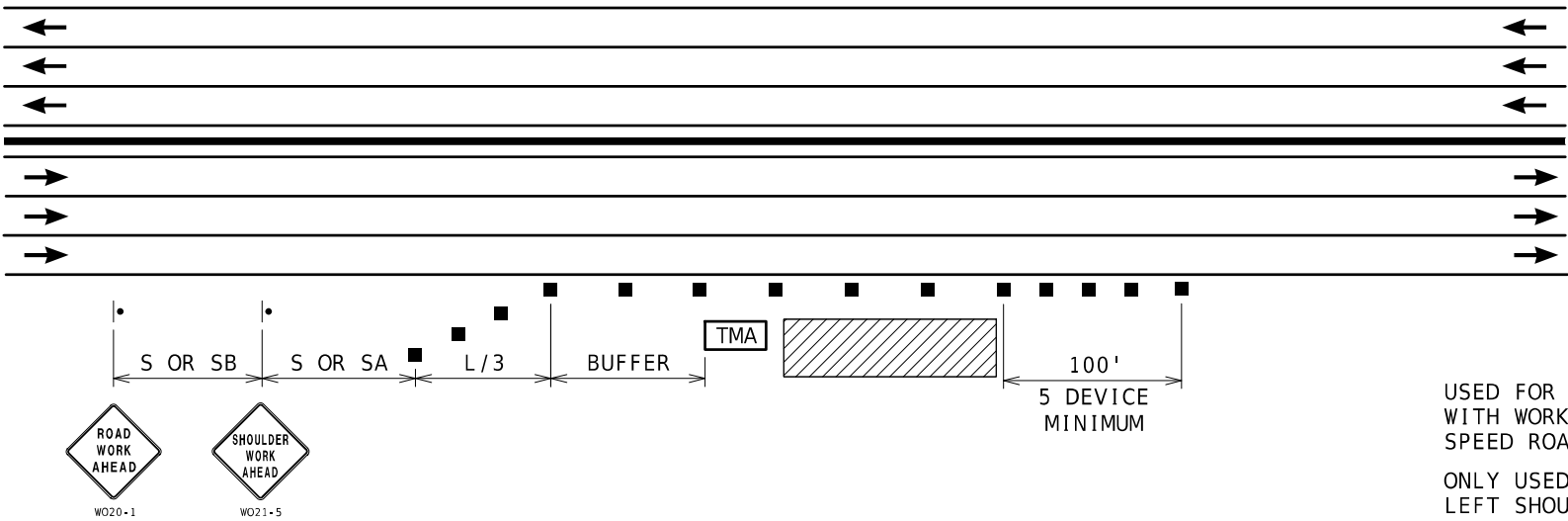
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RIGHT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

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.

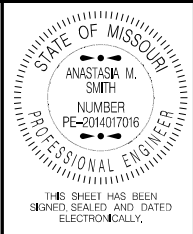


RIGHT SHOULDER WORK
MULTI-LANE FREEWAYS WITH MEDIAN BARRIER

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 11/22/2023	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 4
COUNTY VARIOUS	
JOB NO. J6P3454	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE



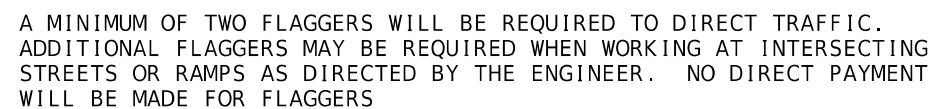
TRAFFIC CONTROL
SHEET 3 OF 10

The diagram illustrates the layout of a single-lane road construction zone. It shows a road with two lanes in each direction, indicated by arrows at the top and bottom. The construction zone is marked by a series of black squares representing traffic cones. Key elements include:

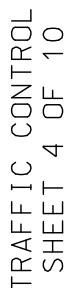
- Signage:** "ROAD WORK AHEAD" signs (W020-1) are placed at the start and end of the zone. A "SHOULDER WORK AHEAD" sign (W021-5) is placed at the start of the shoulder work area.
- Distances:** Distances are marked with "S" (Setup) and "L/3" (Lane Closure).
- Layout:** The layout includes a "TMA" (Traffic Management Area) and a "BUFFER" zone. A "100' TAPER 5 DEVICE MIN." is shown for the lane closure.
- Dimensions:** A dimension "S" is shown for the distance from the start of the zone to the end of the taper.

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

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

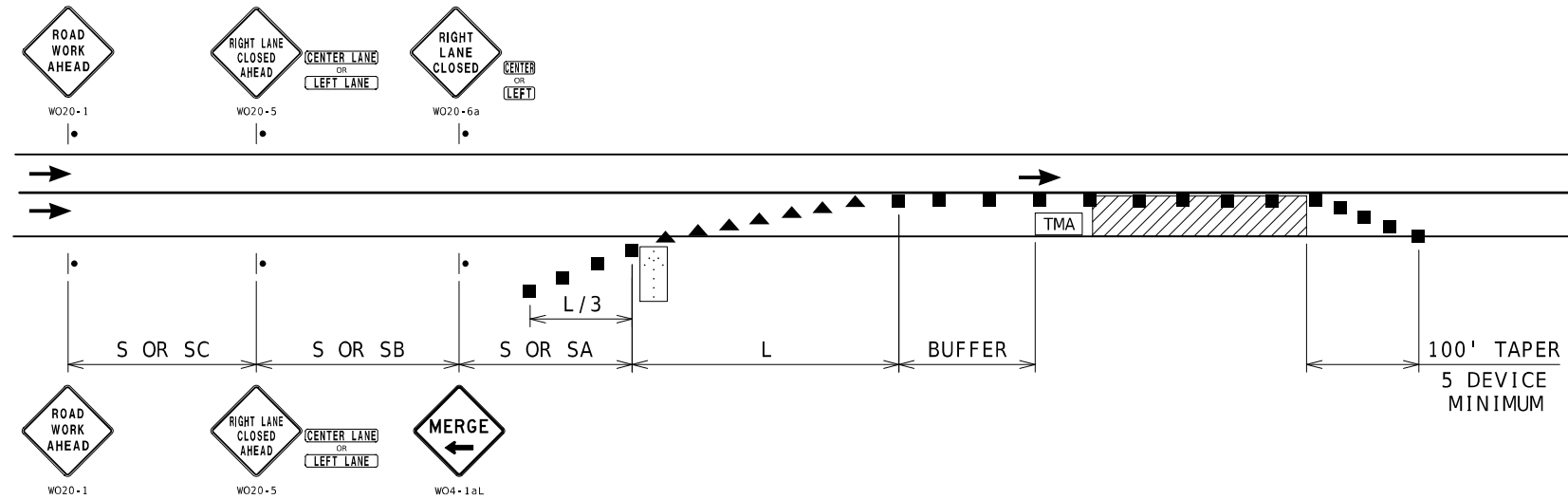


SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



DISCLAIMER

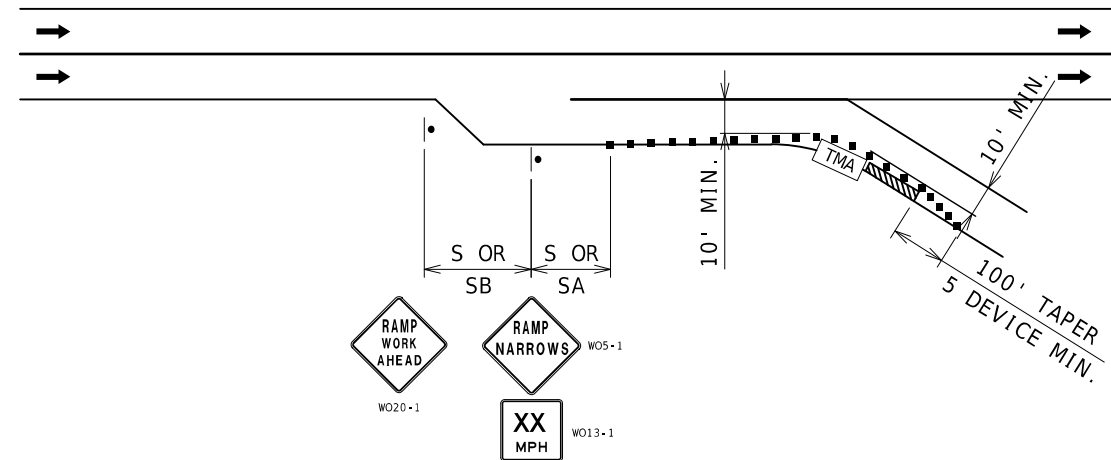
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SINGLE LANE CLOSURE

NOTES:

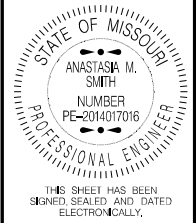
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



PARTIAL RAMP CLOSURE

NOTES:

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



DATE PREPARED	
11/22/2023	
ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
SL	6
COUNTY	
VARIOUS	
JOB NO.	
J6P3454	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

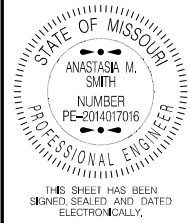
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COMMISSION

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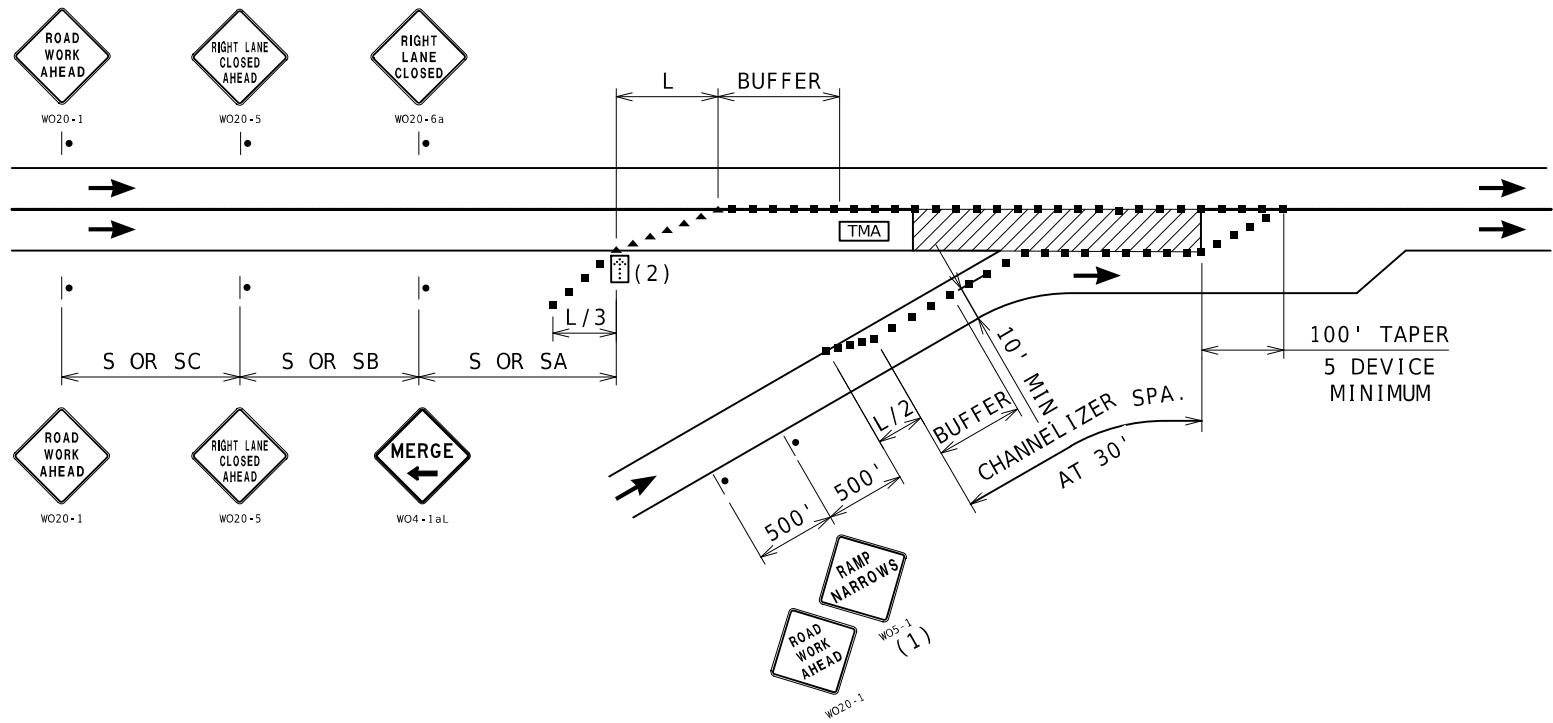
TRAFFIC CONTROL
SHEET 5 OF 10

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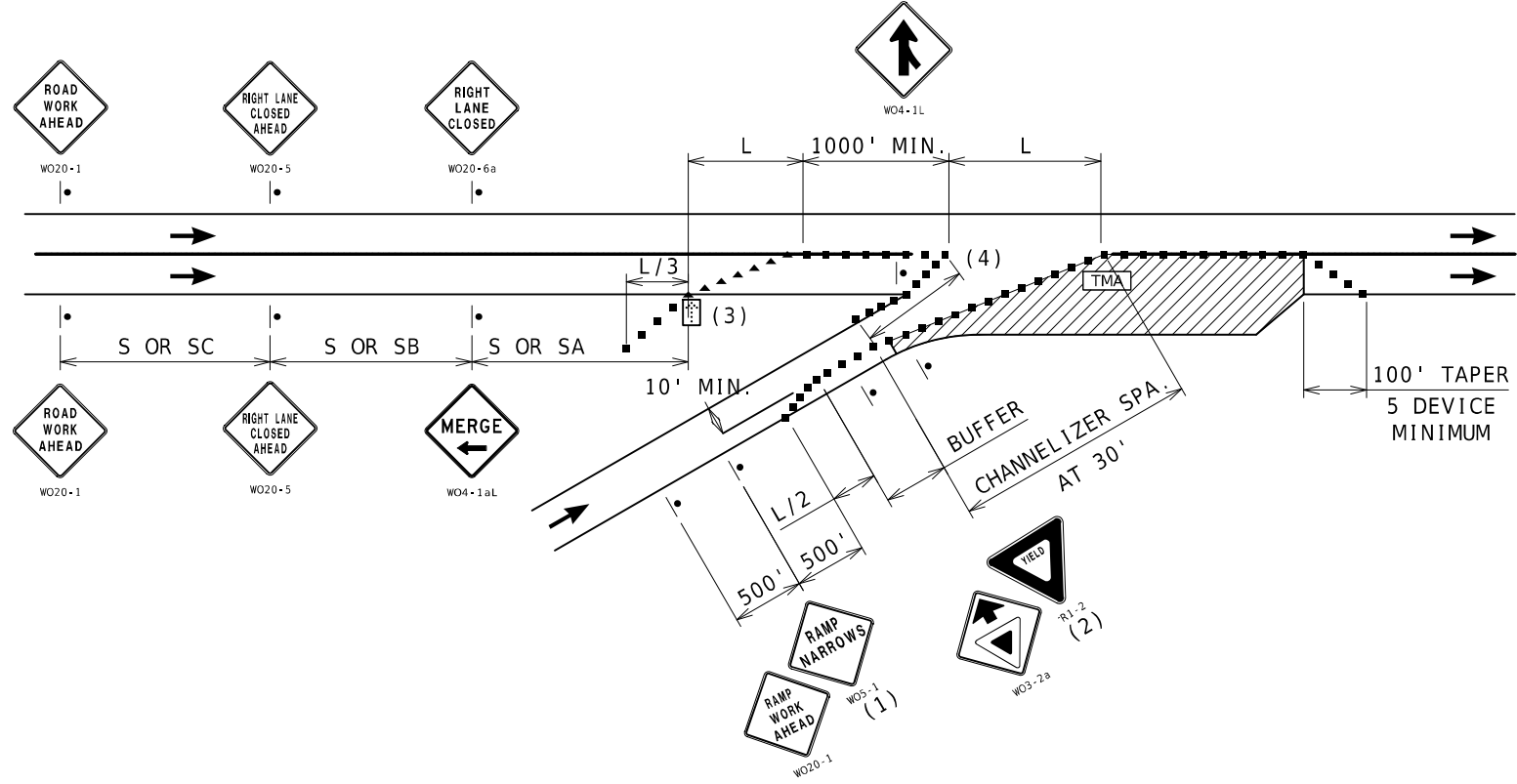
DATE PREPARED 11/22/2023	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 7
COUNTY VARIOUS	
JOB NO. J6P3454	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE



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 ADJUCSTED 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 ADJUCSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORIST ON THE RAMP.
- (4) CHANNELIZER SPACING AT 30'.

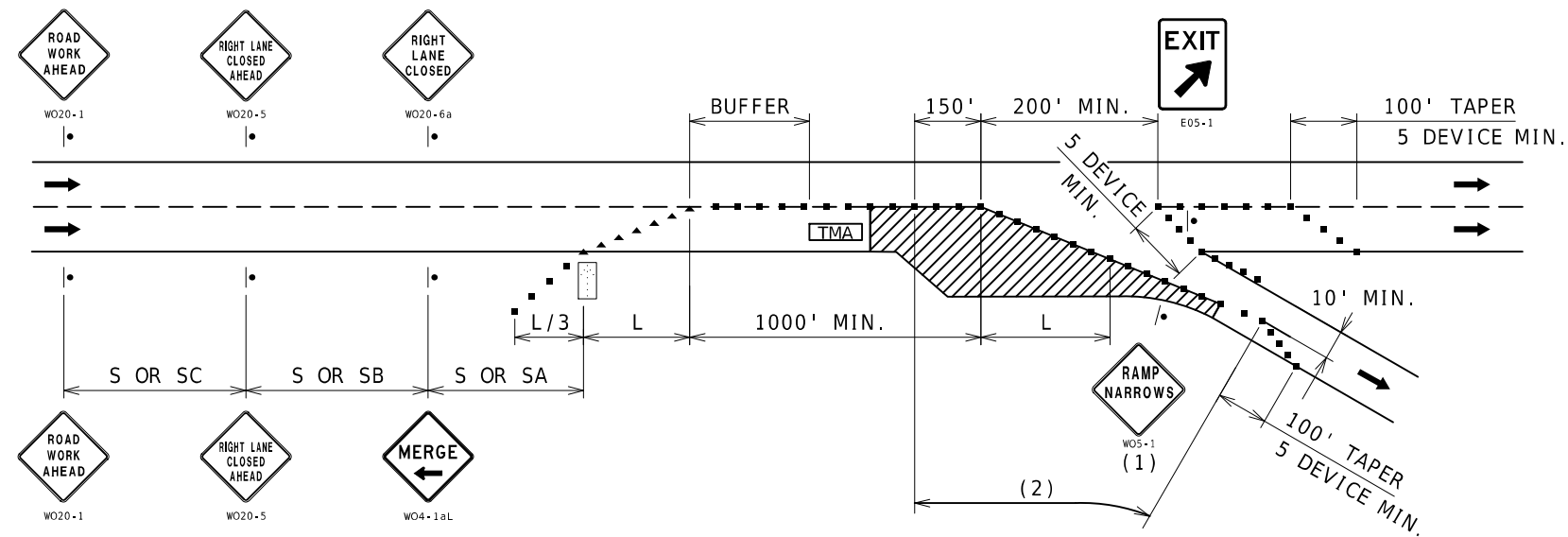
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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Diagram illustrating the layout for a lane closure on a two-lane highway with a right turn lane. The diagram shows the placement of signs and the layout of the work area (TMA, taper, 100' taper, 5 device min). Dimensions include 150' 200' MIN, 1000' MIN, 100' TAPER, 5 DEVICE MIN, 10' MIN, and 100' TAPER 5 DEVICE MIN. The diagram is labeled (2) at the bottom.

(2) CHANNELIZER SPACING AT 50'.

EXIT RAMP AREA
MAINLINE WORK



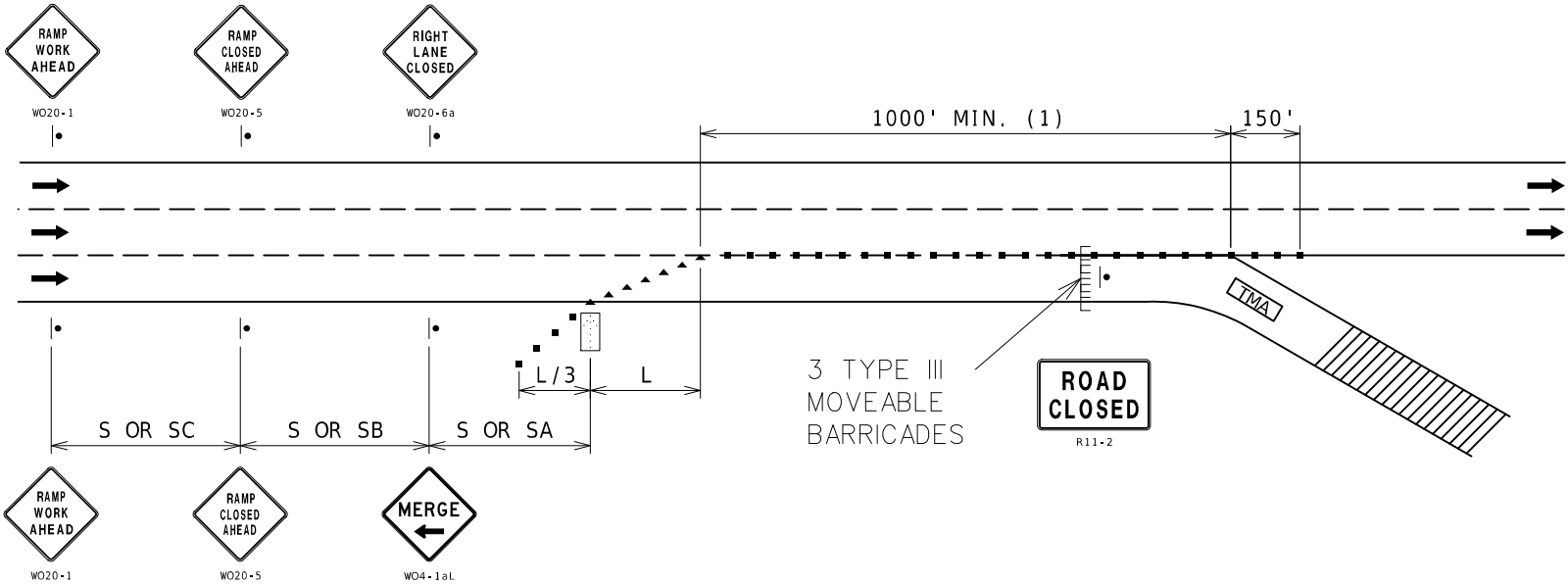
(2) CHANNELIZER SPACING AT 50'.

EXIT RAMP AREA DECELERATION LANE WORK



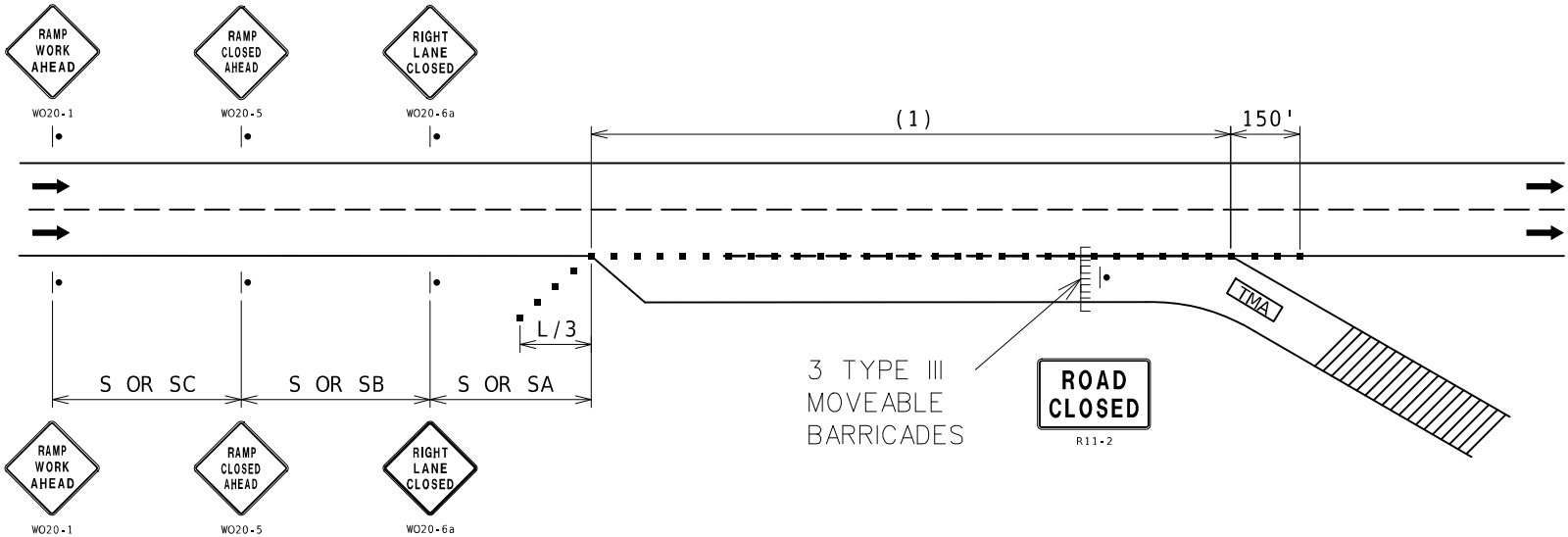
TRAFFIC CONTROL
SHEET 7 OF 10

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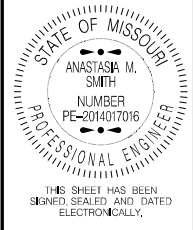
NOTES:
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.
(1) CHANNELIZER SPACING AT 50'.

RAMP CLOSURE



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

RAMP CLOSURE



DATE PREPARED 11/22/2023	
ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 9
COUNTY VARIOUS	
JOB NO. J6P3454	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

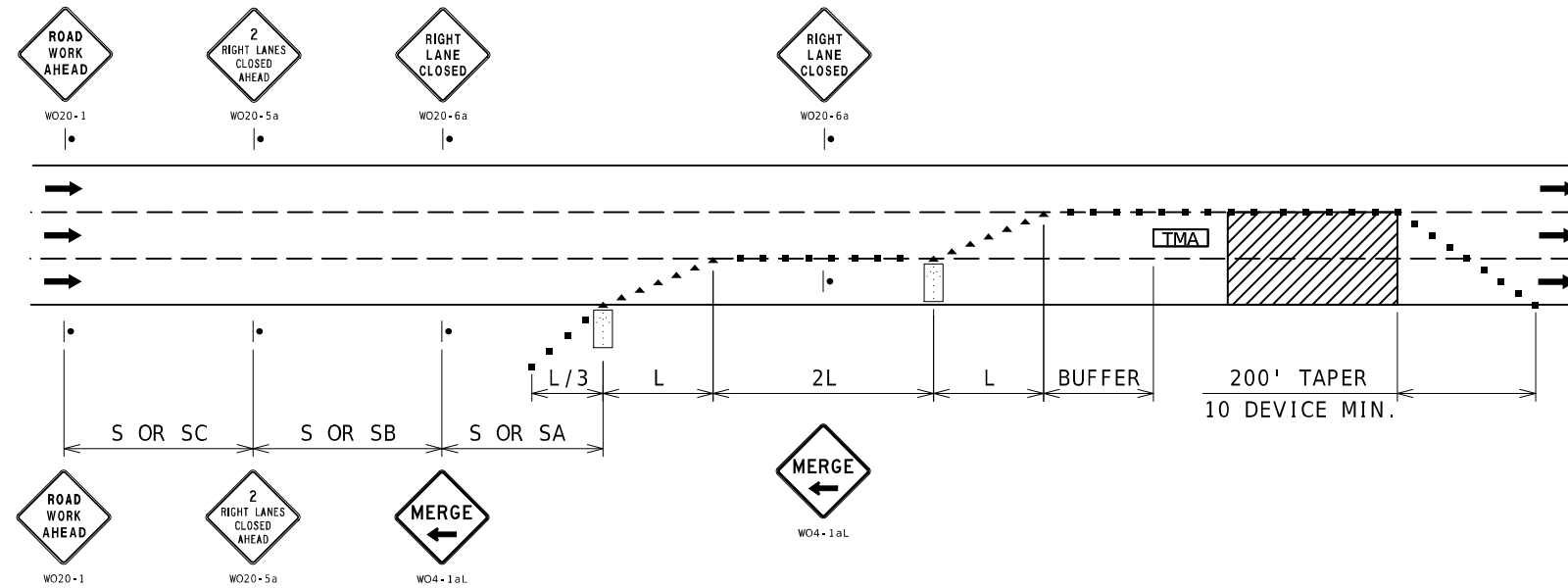
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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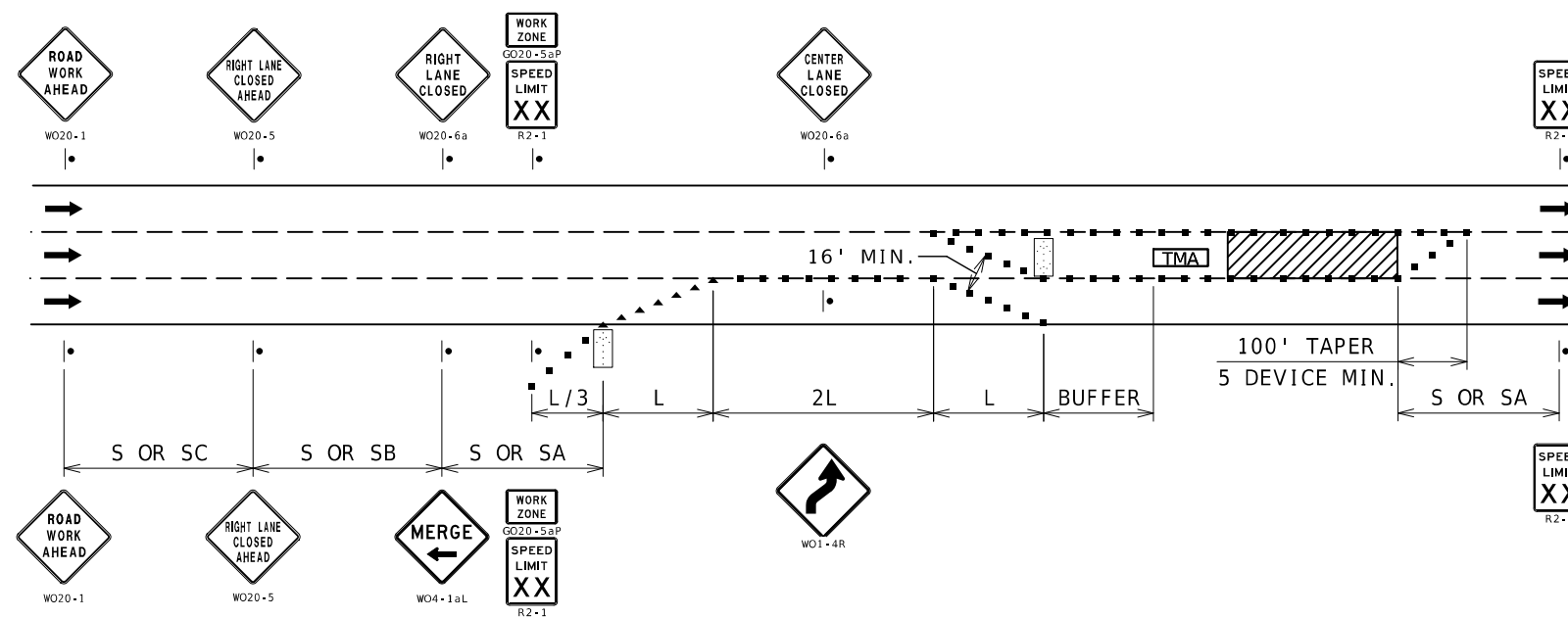
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NOTES :

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

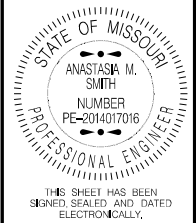
DOUBLE LANE CLOSURE



NOTES :

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

INTERIOR LANE CLOSURE



DATE PREPARED
11/22/2023

ROUTE VAR	STATE MO
DISTRICT SL	SHEET NO. 10

COUNTY	VARIOUS
JOB NO.	J6P3454
CONTRACT ID.	

PROJECT NO.

BRIDGE NO.

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TRAFFIC CONTROL
SHEET 9 OF 10

NOT TO SCALE