

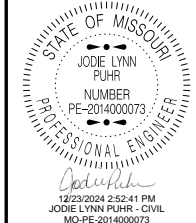
DESIGN DESIGNATION

VARIOUS ROUTES, TRAFFIC, SPEEDS, AND ROUTE DESIGNATIONS.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
 PLANS FOR PROPOSED  
 STATE HIGHWAY  
 PLATTE, RAY, CLAY, JACKSON, & CASS COUNTIES

INDEX OF SHEETS

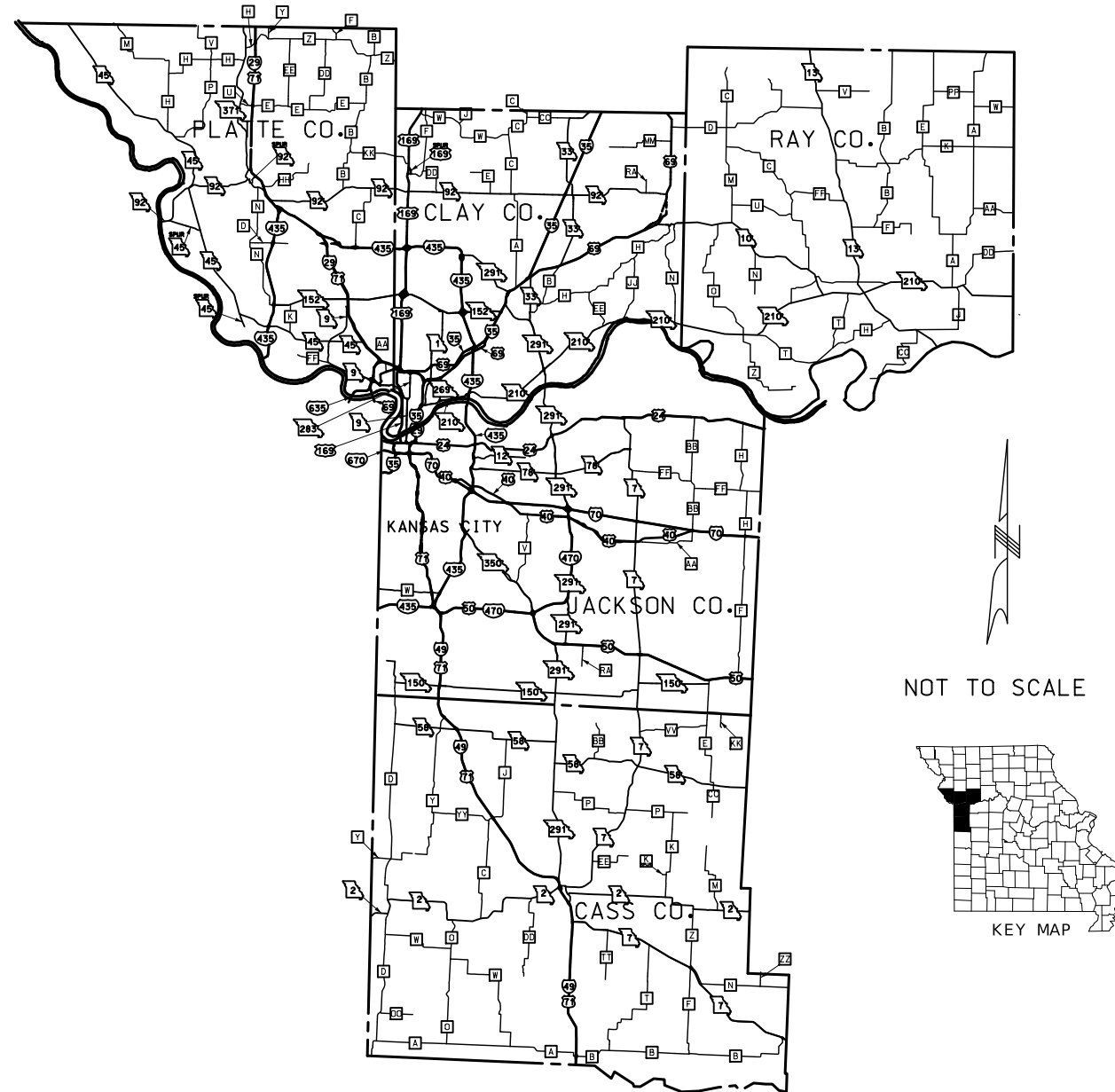
DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TRAFFIC CONTROL SHEETS (TC)-----	2-10



DATE PREPARED 12/12/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 01
COUNTY VAR	
JOB NO. JKU0306	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

NO NEW RIGHT OF WAY TO BE ACQUIRED WITH THIS PROJECT

PROJECT DESCRIPTION: JOB ORDER CONTRACT  
 FENCE REPAIR ON VARIOUS URBAN ROUTES



CONVENTIONAL SYMBOLS  
 (USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES	[Symbol]	[Symbol]
GUARD RAIL	[Symbol]	[Symbol]
CONCRETE RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
STEEL RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
LOCATION SURVEY MARKER	[Symbol]	[Symbol]
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD TELEPHONE	[Symbol]	[Symbol]
UNDERGROUND TELEPHONE	-T-	-T-
OVERHEAD POWER	[Symbol]	[Symbol]
UNDERGROUND POWER	-P-	-P-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE	[Symbol]	[Symbol]
FIRE HYDRANT	[Symbol]	[Symbol]
WATER VALVE	[Symbol]	[Symbol]
WATER METER	[Symbol]	[Symbol]
DROP INLET	[Symbol]	[Symbol]
DITCH BLOCK	[Symbol]	[Symbol]
GROUND MOUNTED SIGN	[Symbol]	[Symbol]
LIGHT POLE	[Symbol]	[Symbol]
H-FRAME POWER POLE	[Symbol]	[Symbol]
TELEPHONE PEDESTAL	[Symbol]	[Symbol]
FENCE		
CHAIN LINK	[Symbol]	[Symbol]
WOVEN WIRE	[Symbol]	[Symbol]
GATE POST	[Symbol]	[Symbol]
BENCHMARK	[Symbol]	[Symbol]

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

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.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

LENGTH OF PROJECT

BEGINNING OF PROJECT	N/A
END OF PROJECT	N/A

APPARENT LENGTH \_\_\_\_\_ MILES

EQUATIONS AND EXCEPTIONS:  
 NONE

# 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	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

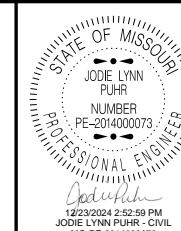
## TRAFFIC CONTROL DEVICES

**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



DATE PREPARED <b>12/12/2024</b>
ROUTE STATE <b>VAR MO</b>
DISTRICT SHEET NO. <b>KC 2</b>
COUNTY <b>VARIOUS</b>
JOB NO. <b>JKU0306</b>
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

STATE OF MISSOURI  
 JOE LYNN FUHR  
 NUMBER  
 PE-2014000073  
 PROFESSIONAL ENGINEER  
 12/23/2024 2:53:17 PM  
 JOE LYNN FUHR - CIVIL  
 MO-PE-2014000073

DATE PREPARED  
 12/12/2024

ROUTE STATE  
 VAR MO

DISTRICT SHEET NO.  
 KC 3

COUNTY  
 VARIOUS

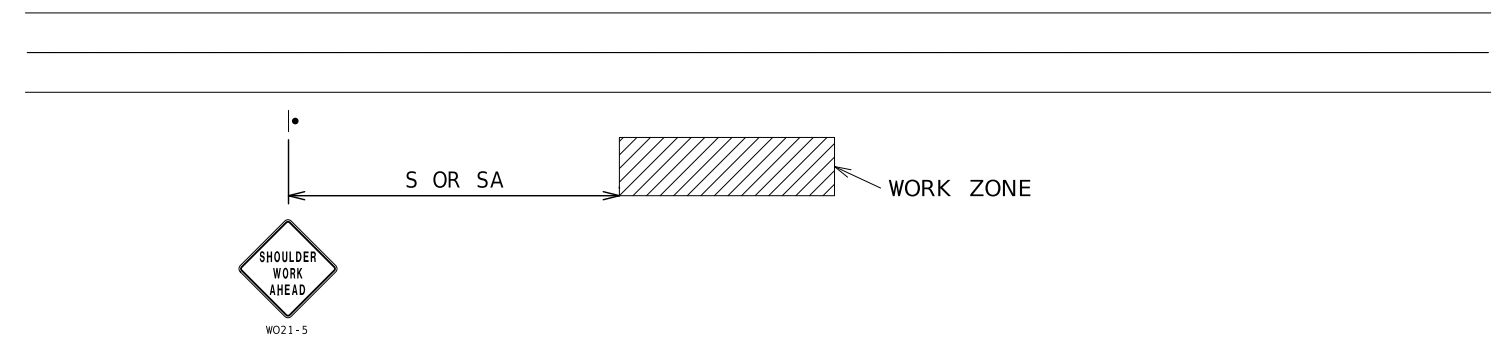
JOB NO.  
 JKU0306

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

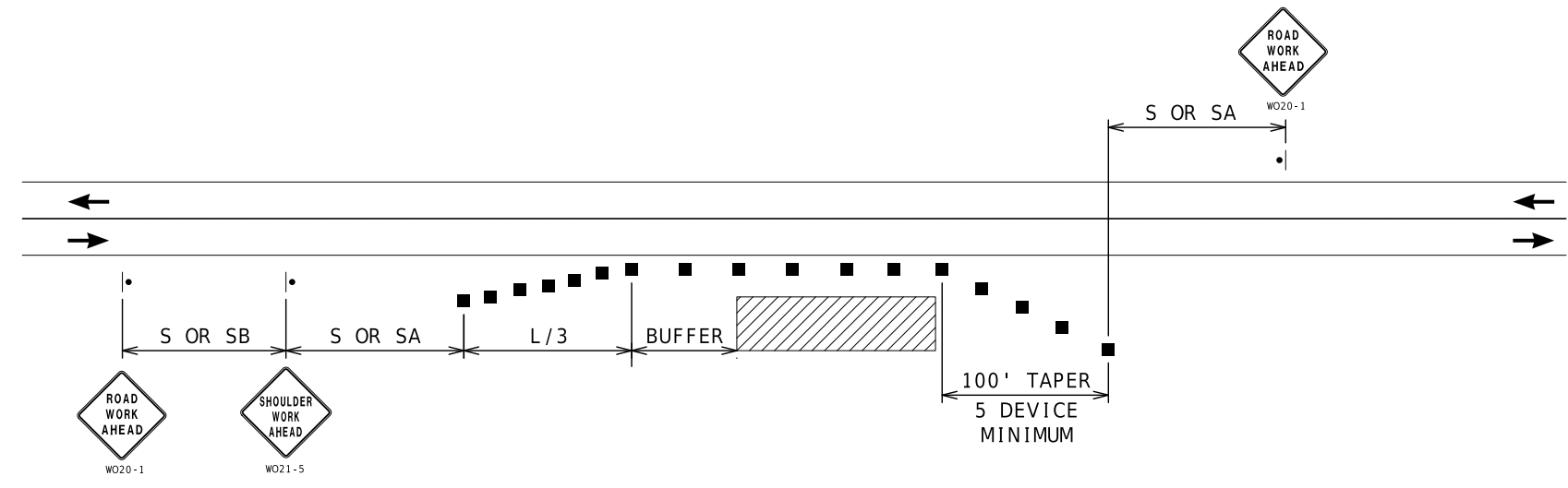
DATE	DESCRIPTION



**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.

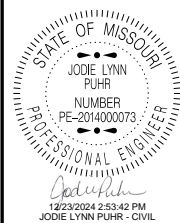
NOTES:  
 SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

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 9



DATE PREPARED  
12/12/2024

ROUTE STATE  
VAR MO

DISTRICT SHEET NO.  
KC 4

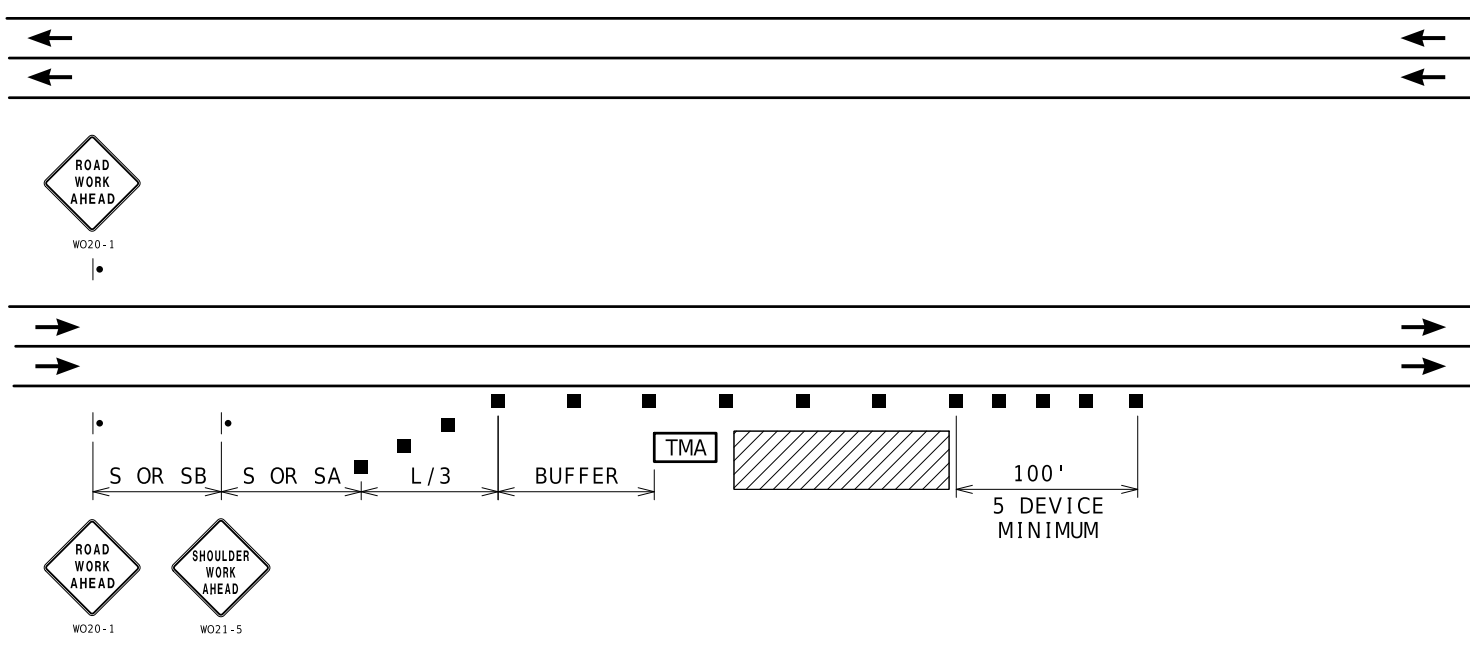
COUNTY  
VARIOUS

JOB NO.  
JKU0306

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

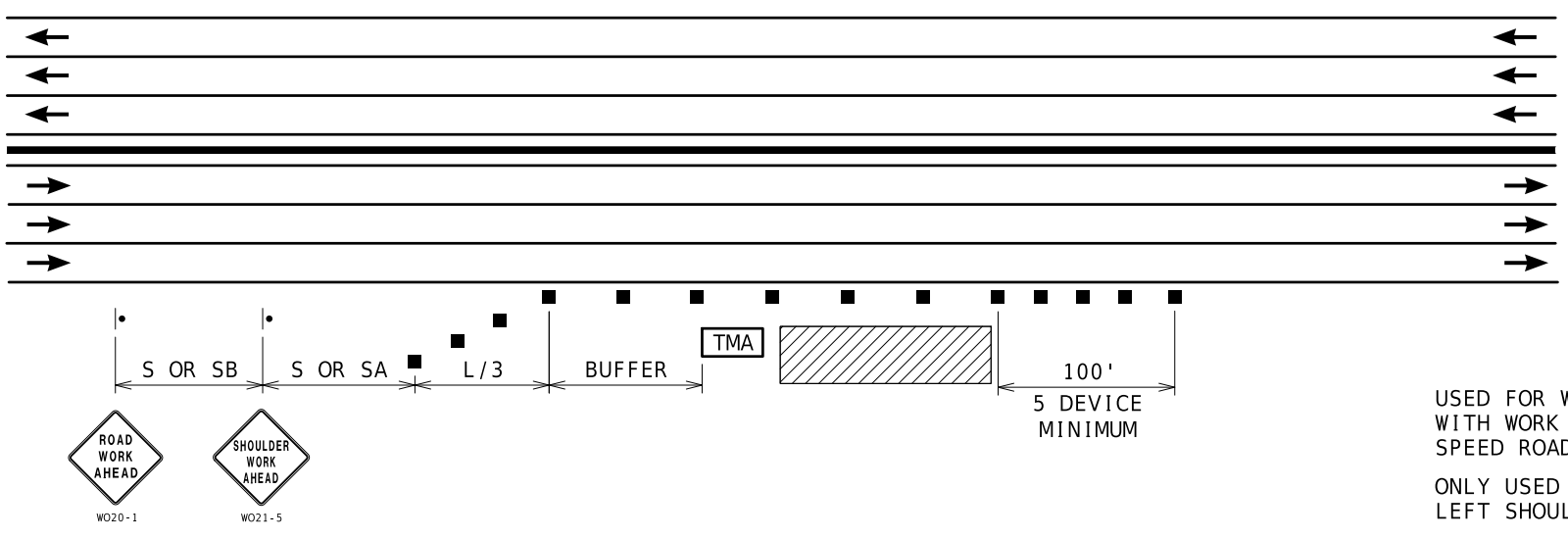


### RIGHT SHOULDER WORK - HIGH SPEED DIVIDED ROADWAYS

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.

DATE	DESCRIPTION



### RIGHT SHOULDER WORK MULTI-LANE FREEWAYS WITH MEDIAN BARRIER

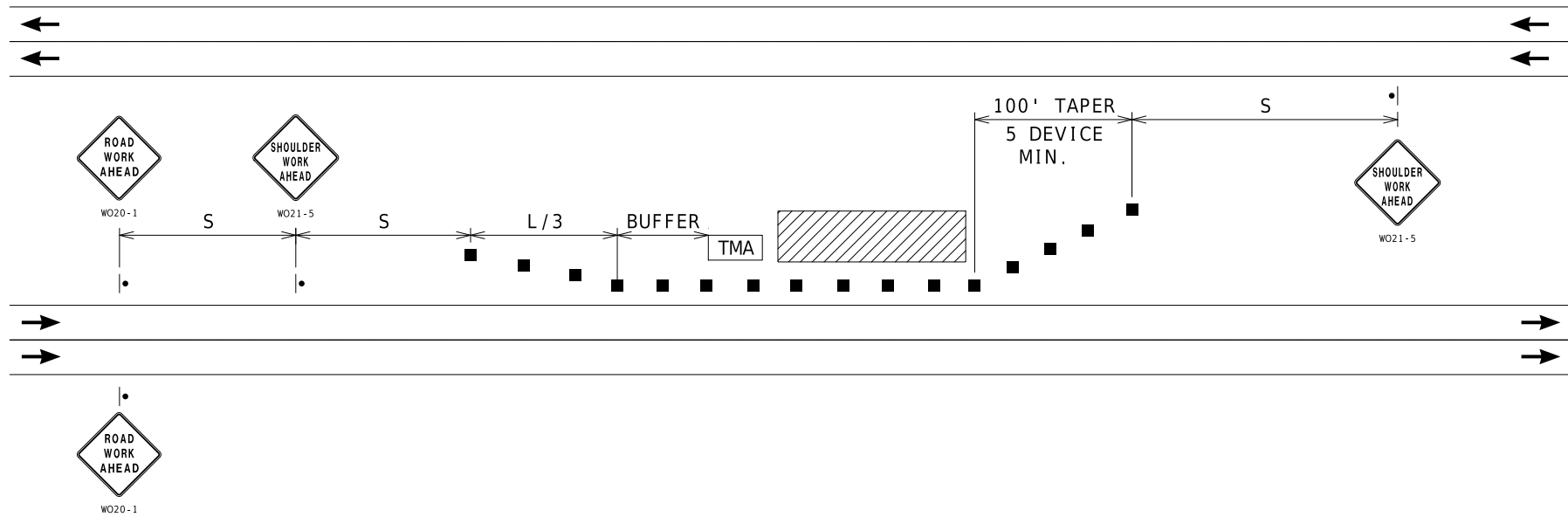
NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

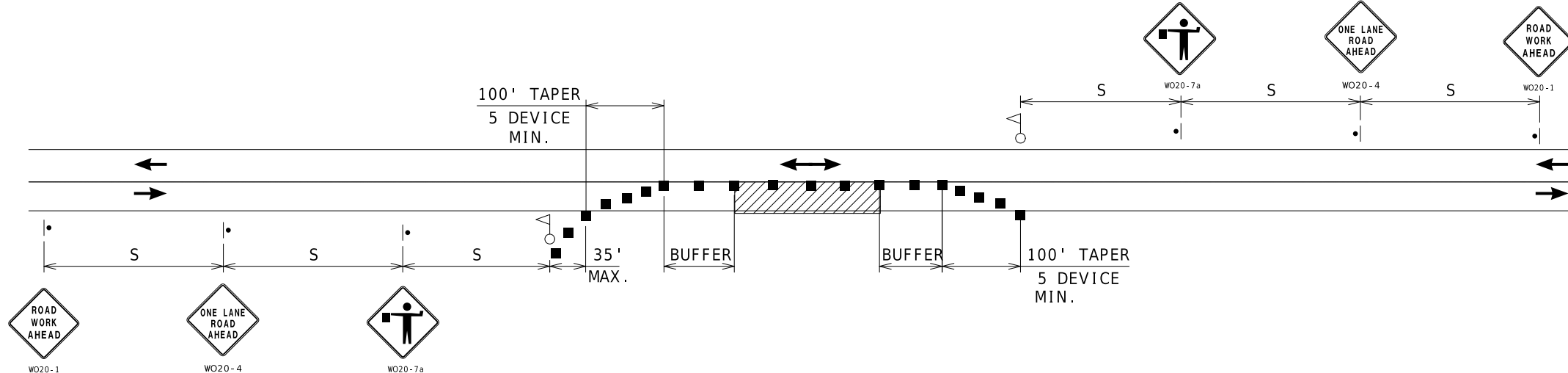
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



### 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.

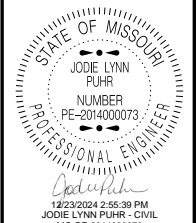
NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



### 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.

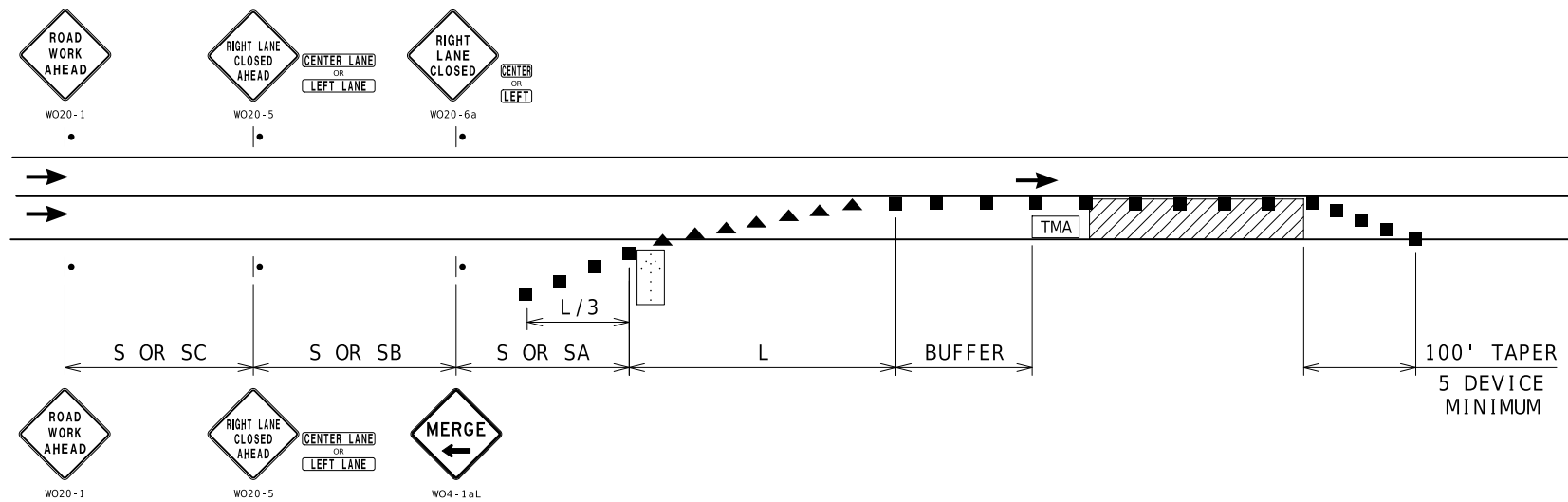


DATE PREPARED  
12/12/2024  
ROUTE VAR STATE MO  
DISTRICT KC SHEET NO. 5  
COUNTY VARIOUS  
JOB NO. JKU0306  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

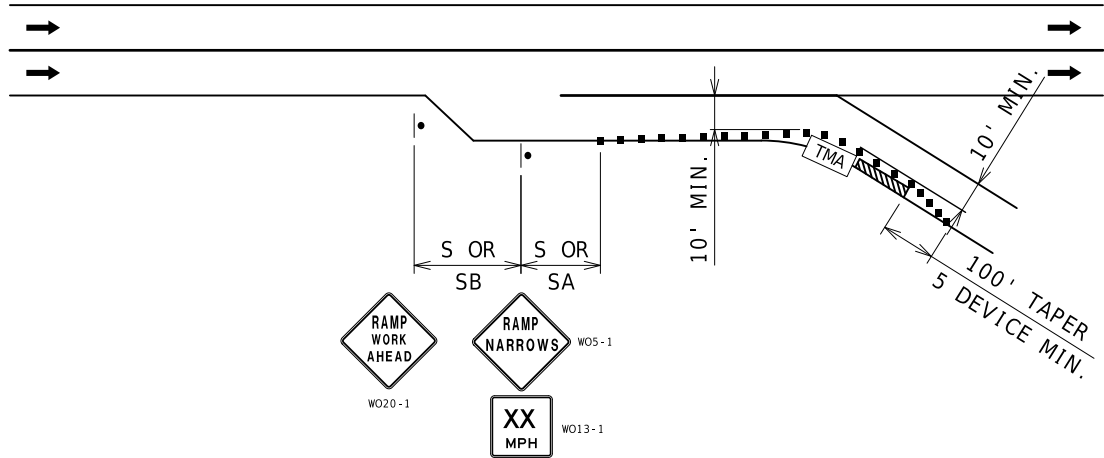
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
  
 105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL  
SHEET 4 OF 9



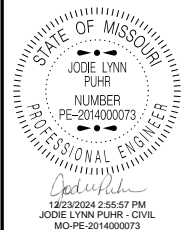
**SINGLE LANE CLOSURE**

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.



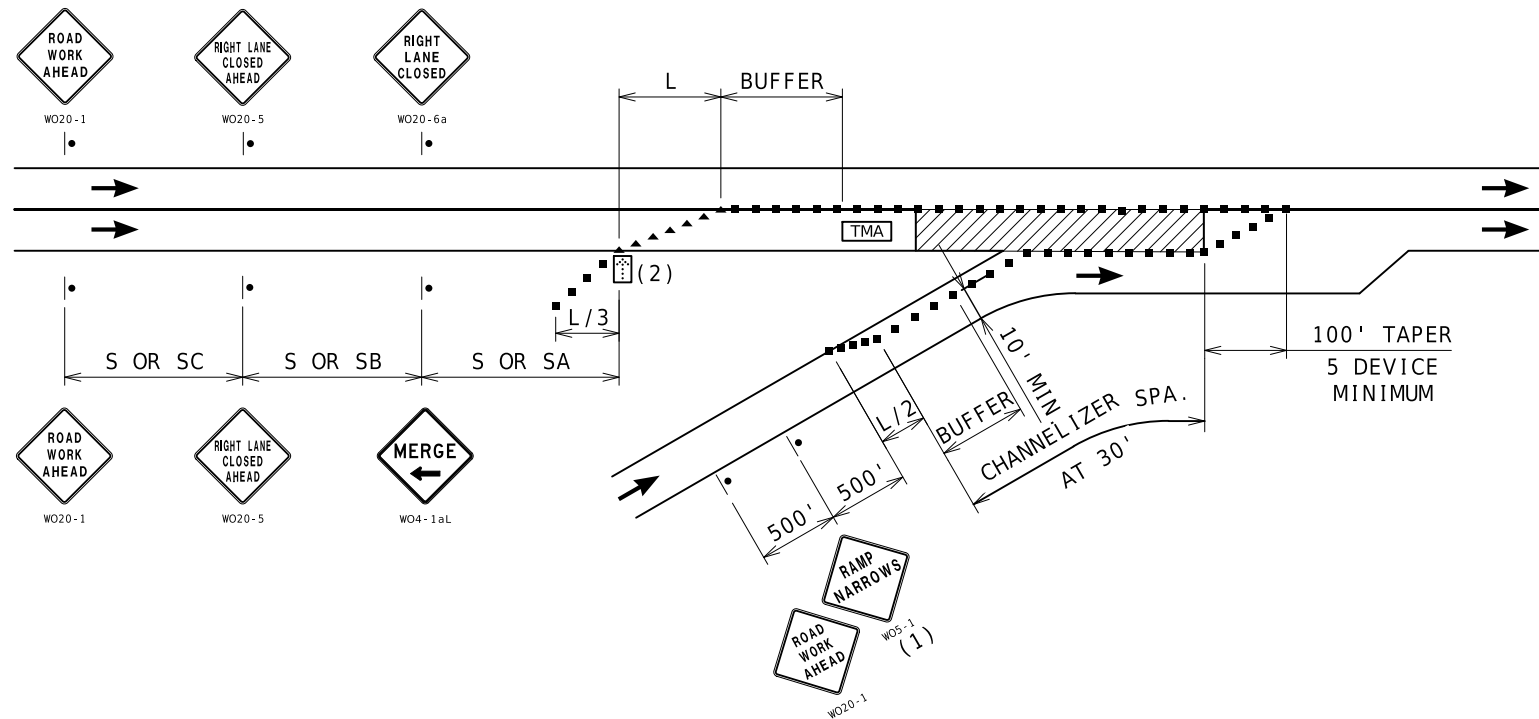
DATE PREPARED 12/12/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 6
COUNTY VARIOUS	
JOB NO. JKU0306	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

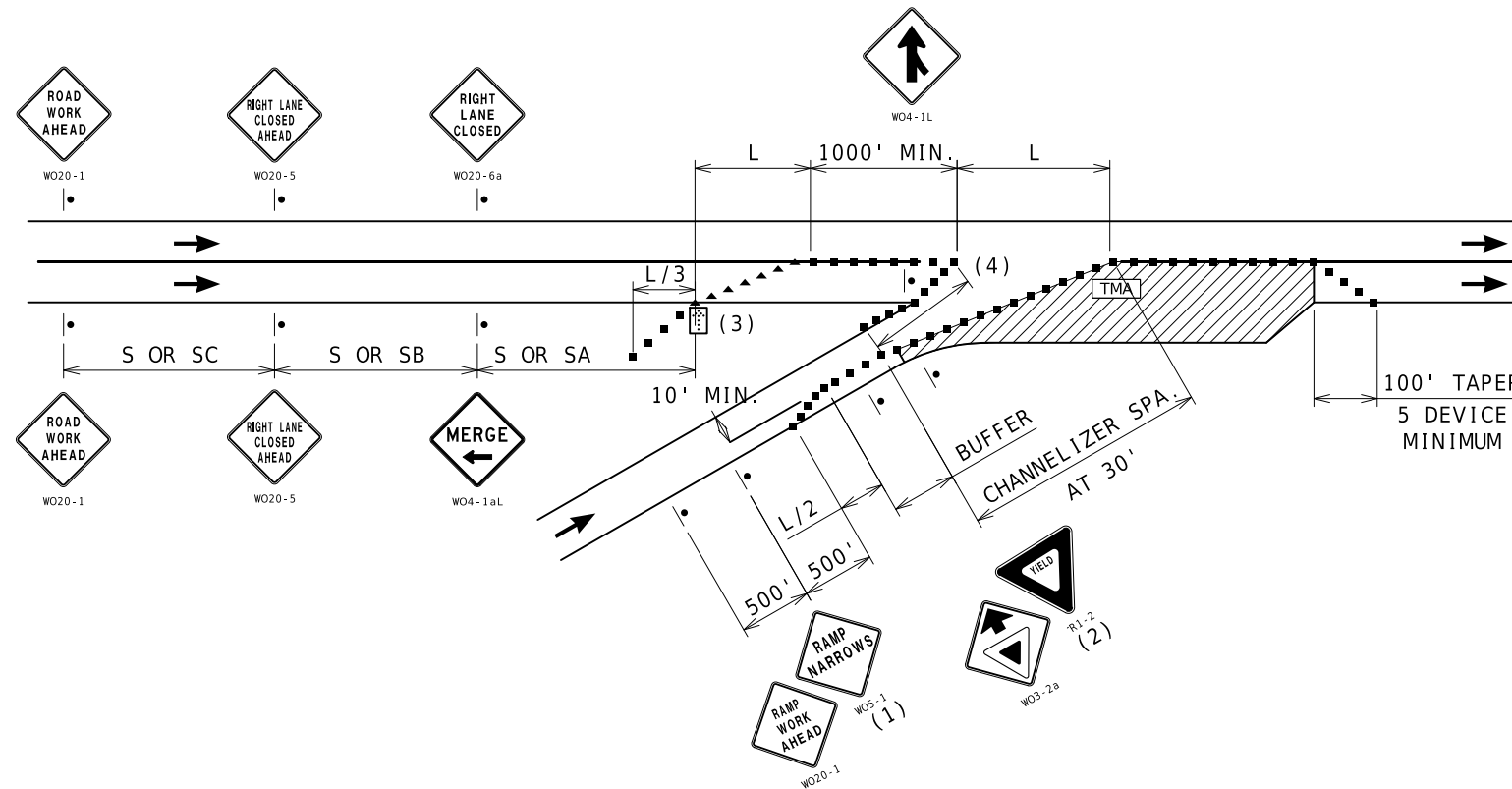
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL  
SHEET 5 OF 9



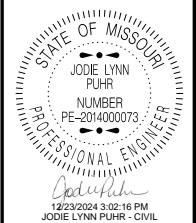
**ENTRANCE RAMP AREA  
MAINLINE WORK**

- 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'.

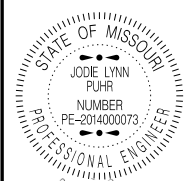


STATE OF MISSOURI  
 JODIE LYNN FUHR  
 NUMBER PE-2014000073  
 PROFESSIONAL ENGINEER  
 DATE PREPARED 12/12/2024  
 ROUTE VAR STATE MO  
 DISTRICT KC SHEET NO. 7  
 COUNTY VARIOUS  
 JOB NO. JKU0306  
 CONTRACT ID.  
 PROJECT NO.  
 BRIDGE NO.

DATE	DESCRIPTION

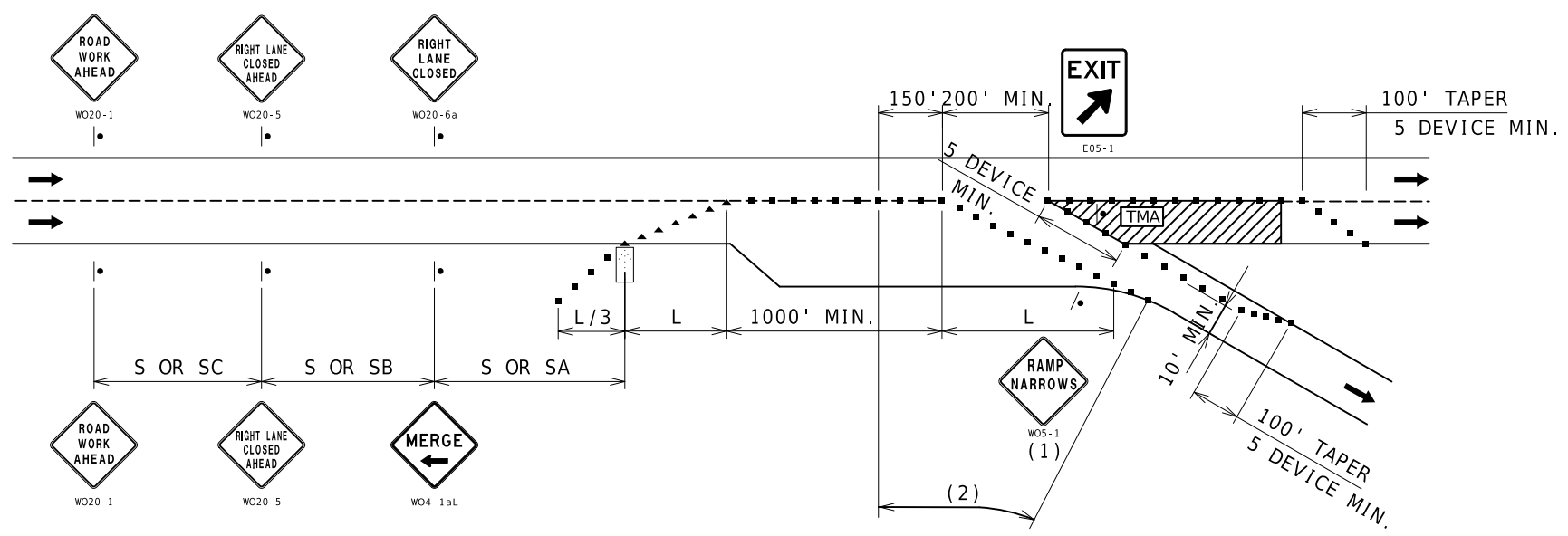
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
 105 WEST CAPITOL JEFFERSON CITY, MO 65102  
 1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL  
 SHEET 6 OF 9



DATE PREPARED  
12/12/2024

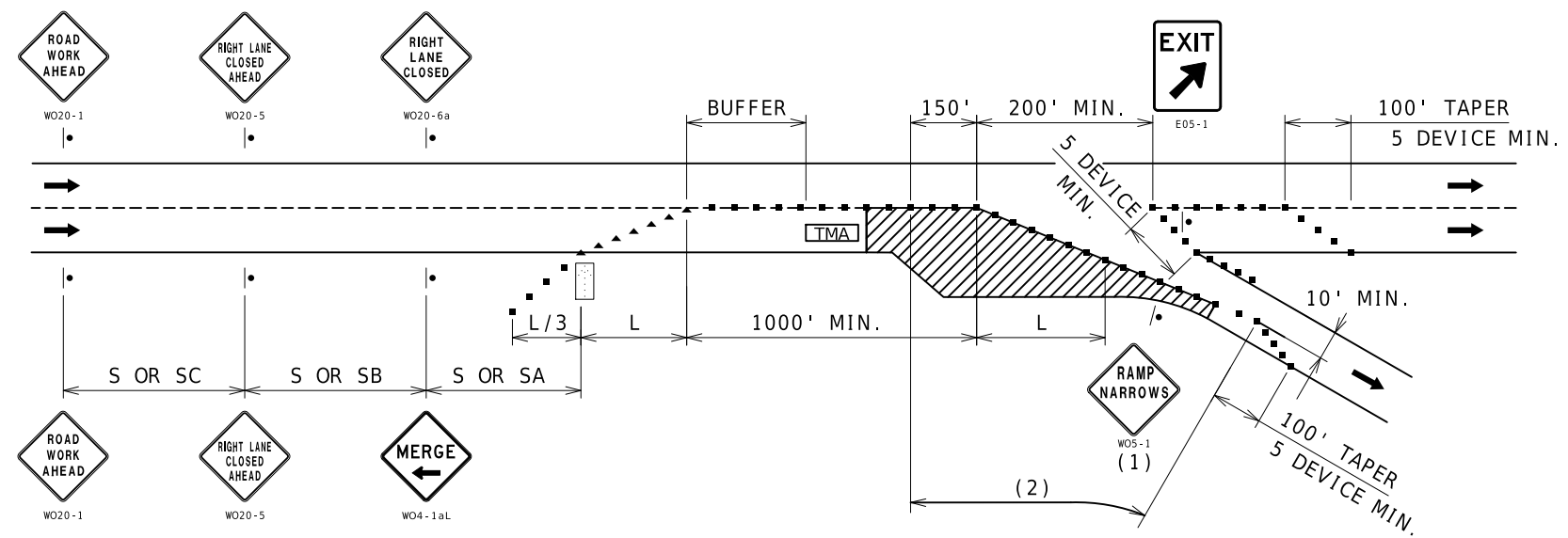
ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	8
COUNTY	
VARIOUS	
JOB NO.	
JKU0306	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



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


DATE	DESCRIPTION



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'.

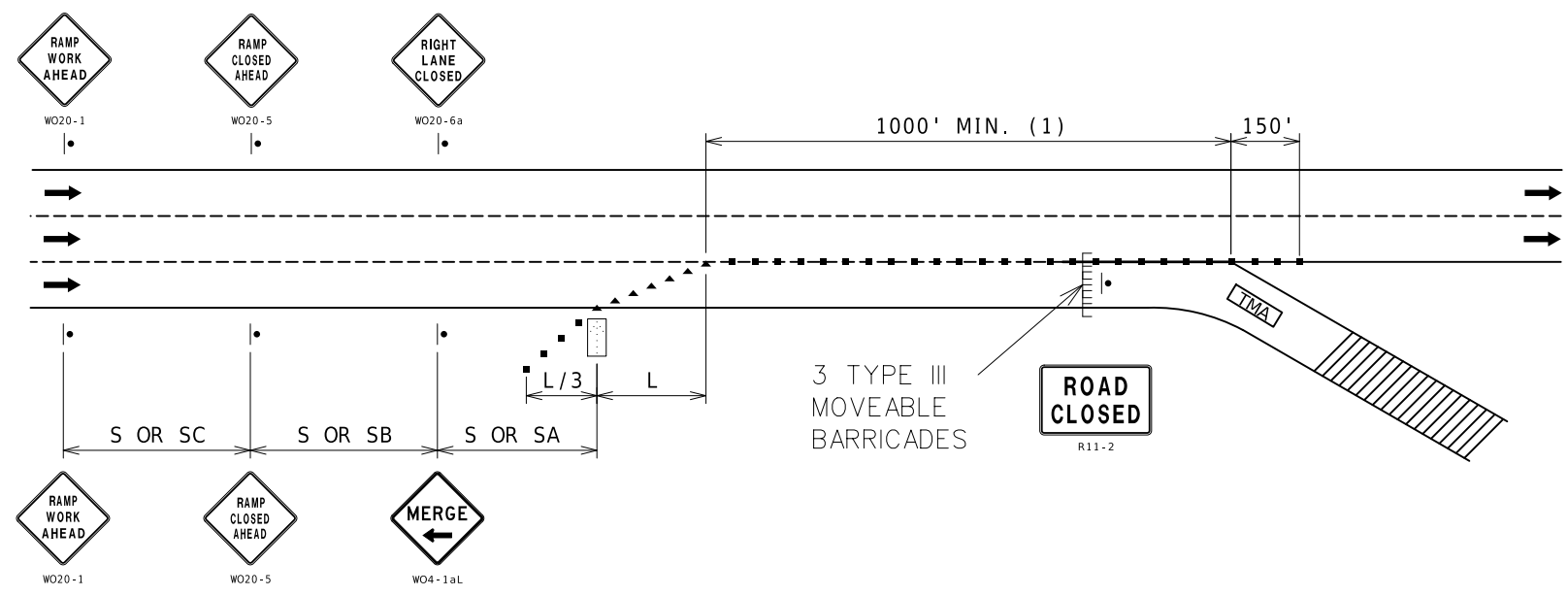
EXIT RAMP AREA  
DECELERATION LANE WORK

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



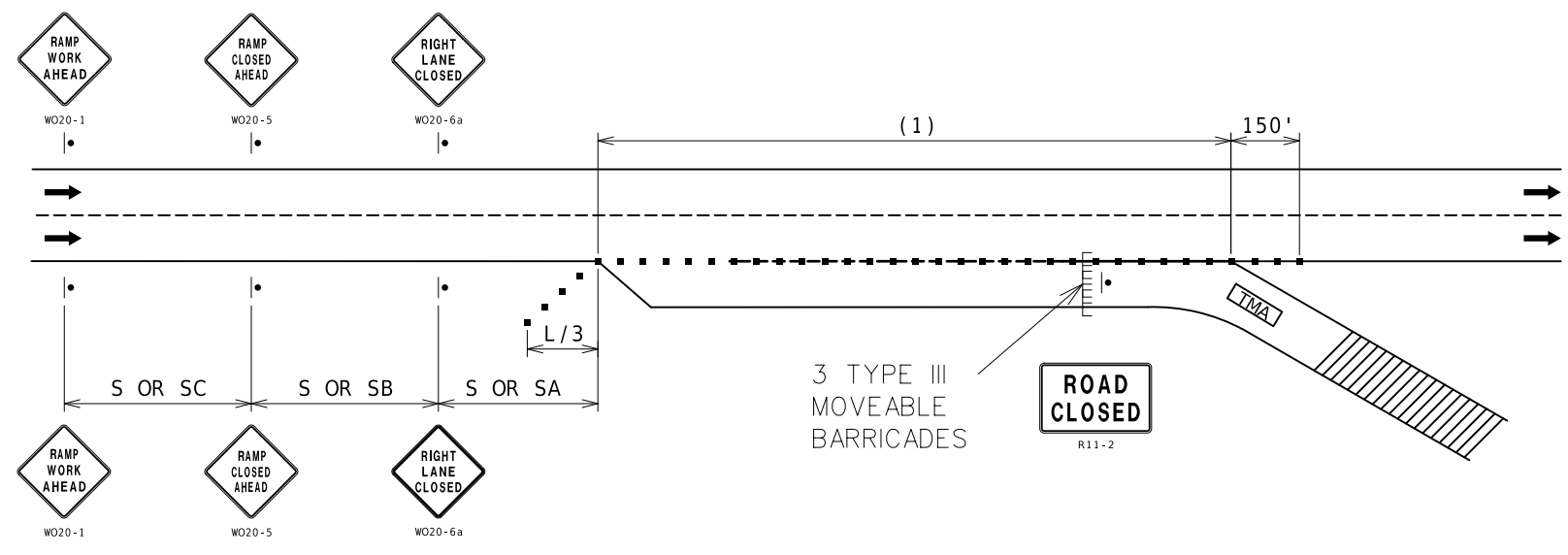
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)





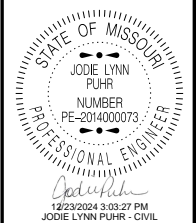
NOTES:  
 SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.  
 (1) CHANNELIZER SPACING AT 50'.

### RAMP CLOSURE



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

### RAMP CLOSURE

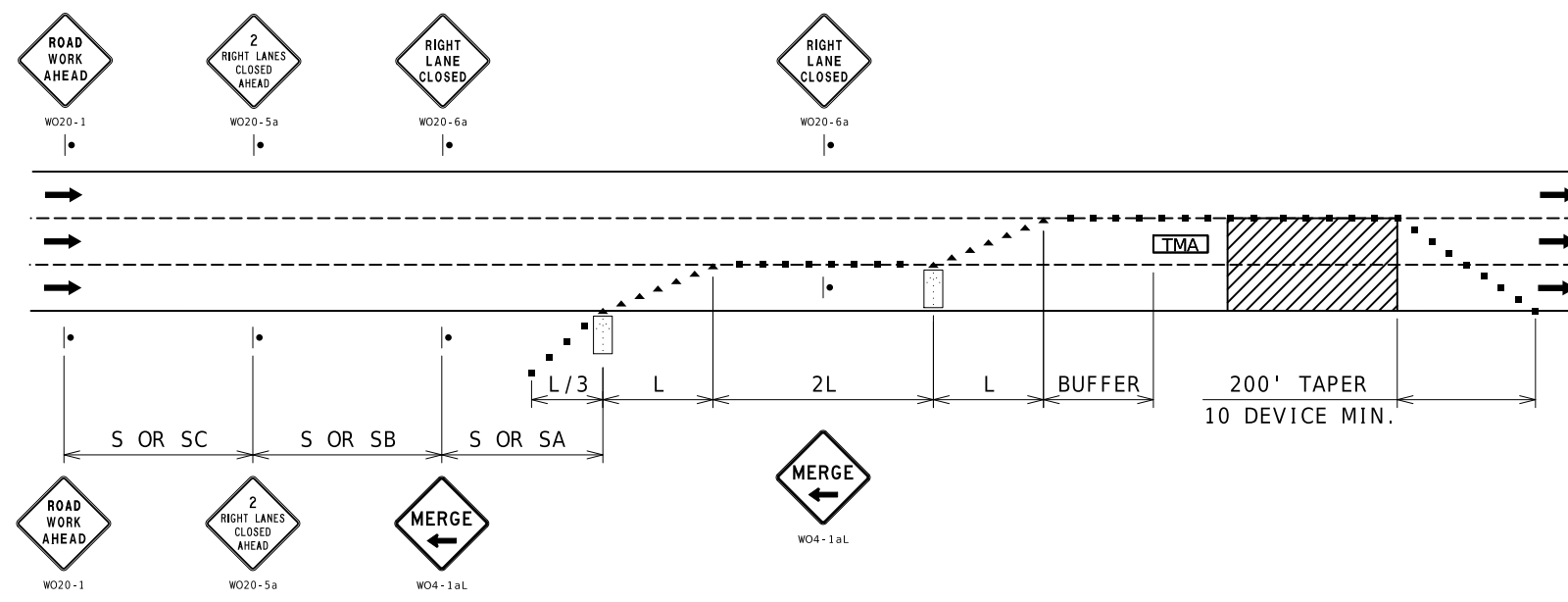


DATE PREPARED 12/12/2024	
ROUTE VAR	STATE MO
DISTRICT KC	SHEET NO. 9
COUNTY VARIOUS	
JOB NO. JKU0306	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

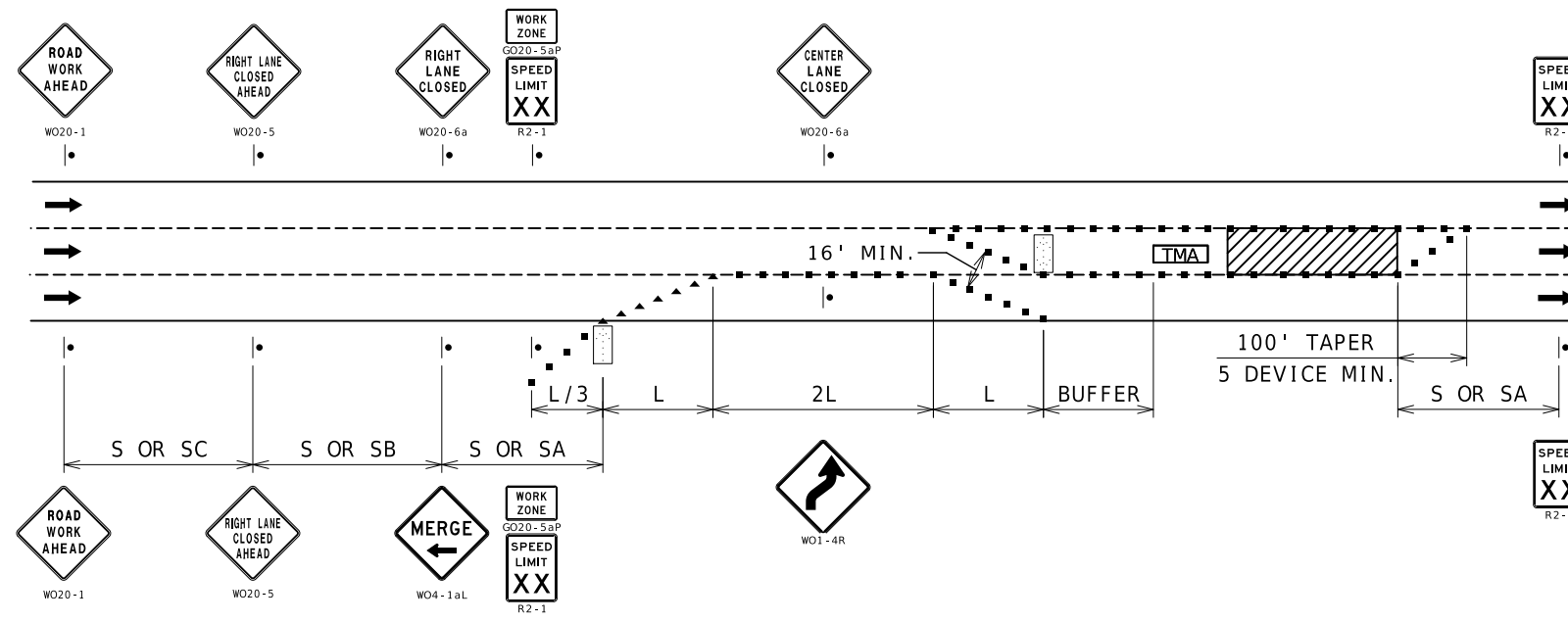
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



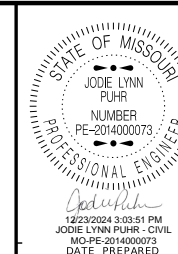
NOTES:  
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

### DOUBLE LANE CLOSURE



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

### INTERIOR LANE CLOSURE



12/12/2024

ROUTE	STATE
VAR	MO
DISTRICT	SHEET NO.
KC	10
COUNTY	
VARIOUS	
JOB NO.	
JKU0306	
CONTRACT ID.	

PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL  
SHEET 9 OF 9