

# SHOULDER WORK WITH MINOR TRAVELWAY ENCROACHMENT OR NO ENCROACHMENT (DIVIDED HIGHWAY)

SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL BUFFER LENGTH (FT) (B)	CHANNELIZER SPACING (FT)	
		SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER / WORK AREAS
0-35	200	70	245	250	35	40
40-45	500	150	540	360	40	80
50-55	1000	185	660	495	50	80
60-70	SA - 1000 SB - 1500 SC - 2640	235	840	730	60	120

NOTES:  
 (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.  
 (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.  
 (3) NEXT XX MILES SIGN NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

WO20-1  
 (2)

WO21-5  
 (21)

WO5-1  
 (3)

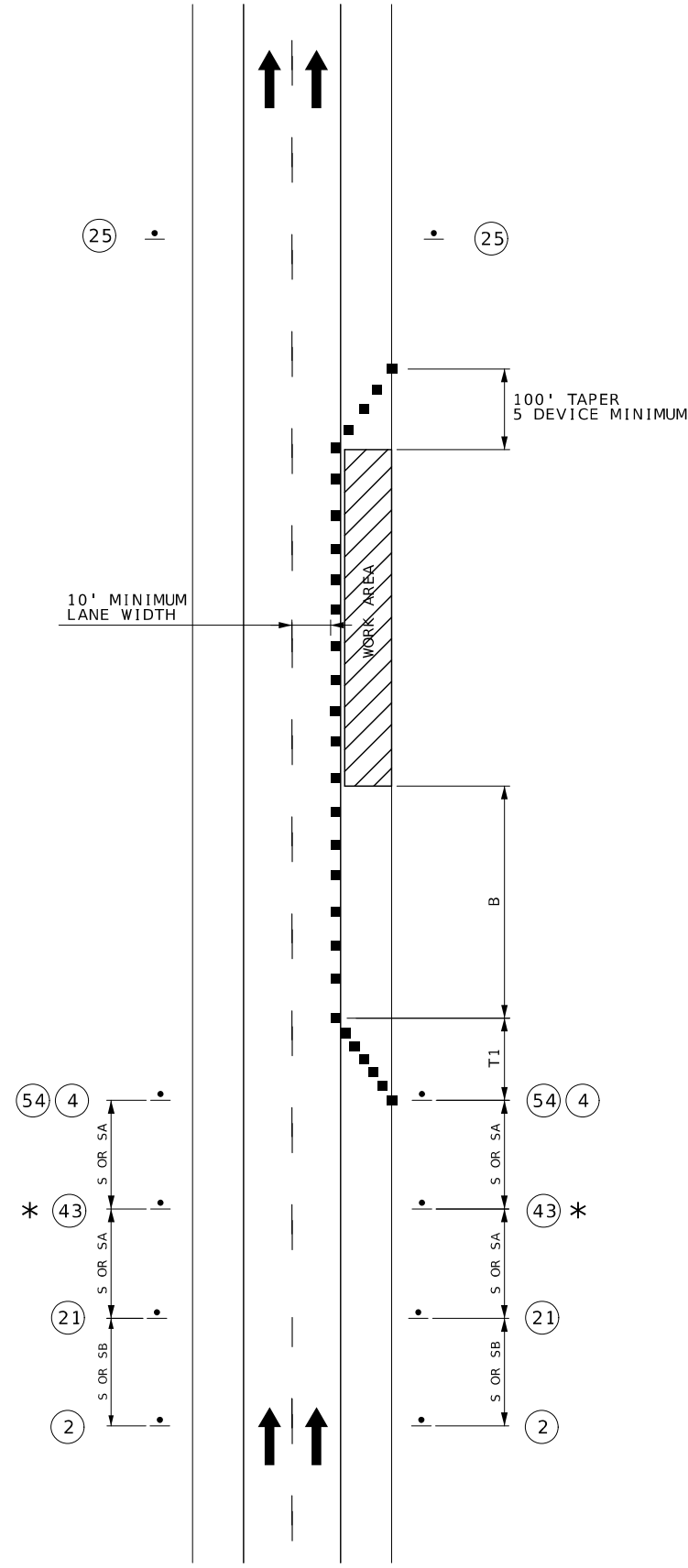
BRIDGE  
OR  
RAMP

WO7-3a  
 (43) \*

\* OMIT SIGN 43 FOR NO TRAVELWAY ENCROACHMENT.

GO20-5aP  
 WORK ZONE  
 (54)  
 (4)

R2-1  
 (25)  
 (NORMAL SPEED)



NOT TO SCALE

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

DATE PREPARED 10/30/2024	
ROUTE VAR.	STATE MO
DISTRICT SW	SHEET NO. 6
COUNTY VARIOUS	
JOB NO. JSRM0074	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	


# SHOULDER WORK WITH MINOR TRAVELWAY ENCROACHMENT OR NO ENCROACHMENT (UNDIVIDED HIGHWAY)

REVISED: 8/27/2024


SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL BUFFER LENGTH (FT) (B)	CHANNELIZER SPACING (FT)	
		SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER/WORK AREAS
0-35	200	70	245	250	35	40
40-45	350	150	540	360	40	80
50-55	500	185	660	495	50	80
60-70	1000	235	840	730	60	120

**NOTES:**


- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.
- (3) NEXT XX MILES SIGN NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.




WO20-1  
②




WO21-5  
②①



WO5-1  
⑤④




BRIDGE  
OR  
RAMP

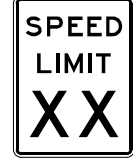


WO7-3a  
④③ \*

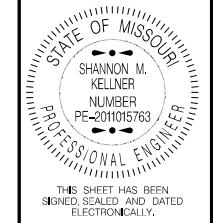
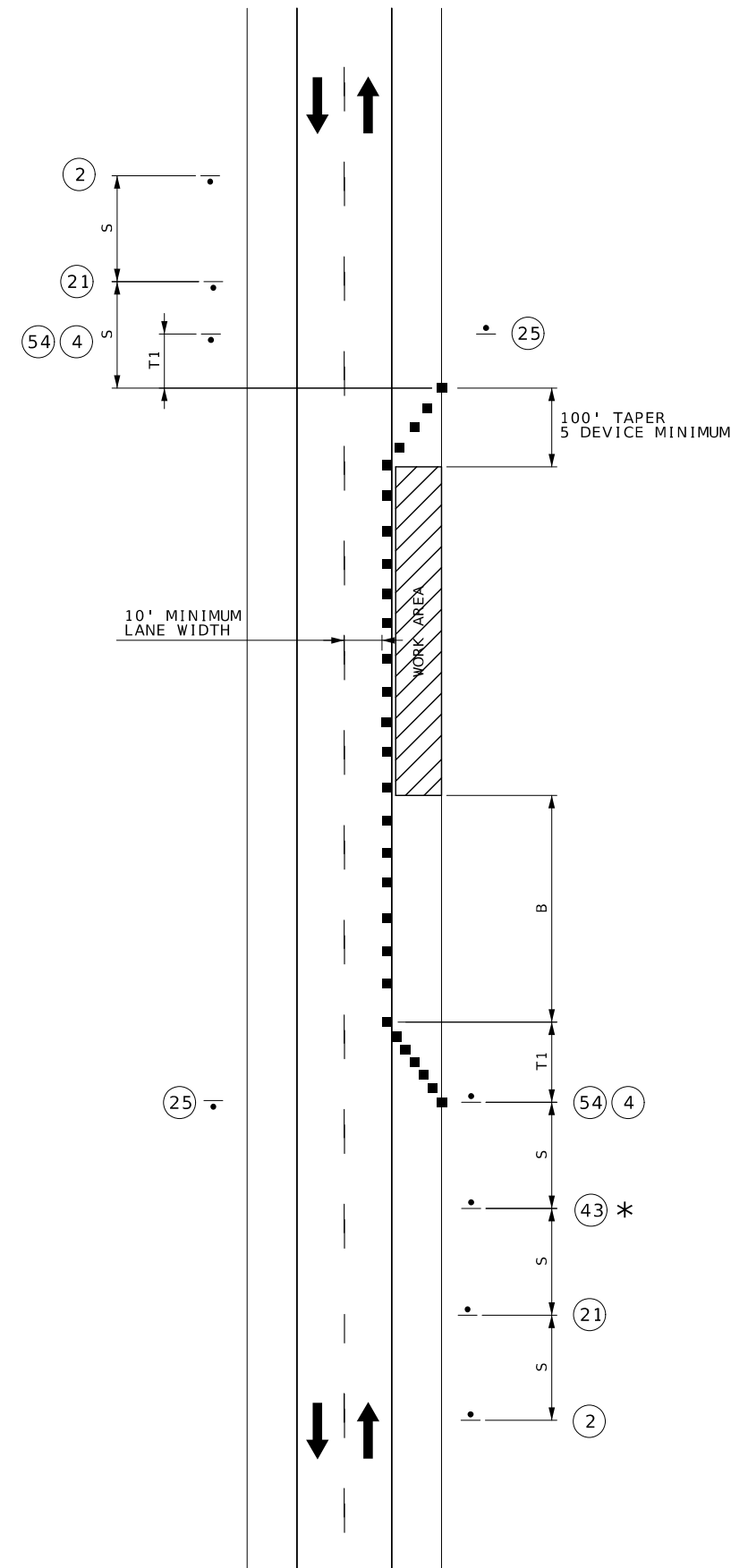
\* OMIT SIGN 43 FOR NO TRAVELWAY ENCROACHMENT.



GO20-5aP  
WORK ZONE  
R2-1  
⑤④  
④



R2-1  
SPEED LIMIT XX  
R2-1  
②⑤  
(NORMAL SPEED)



DATE PREPARED  
1/6/2025

ROUTE VAR.	STATE MO
DISTRICT SW	SHEET NO. 7

COUNTY  
VARIOUS

JOB NO.  
JSRM0074


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)

NOT TO SCALE

TRAFFIC CONTROL  
SHEET 6 OF 10



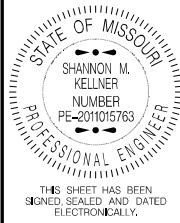












DATE PREPARED 1/6/2025	
ROUTE VAR.	STATE MO
DISTRICT SW	SHEET NO. 2
COUNTY VARIOUS	
JOB NO. JSRM0075	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



W020-1  
(2)

BRIDGE  
OR  
RAMP



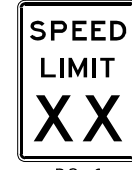
W020-4  
(7)



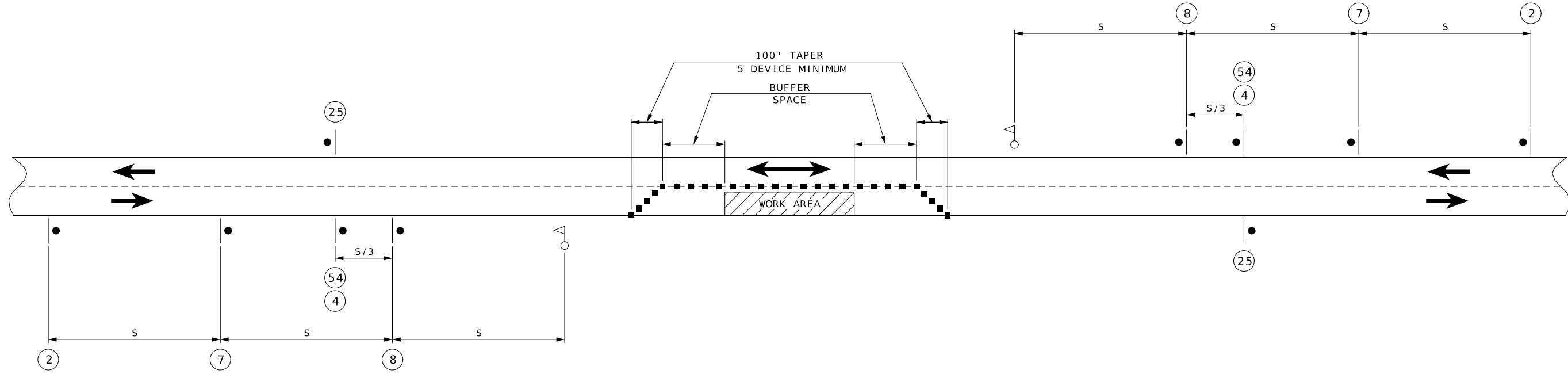
W020-7a  
(8)



R2-1  
(54)  
(4)



R2-1  
(25)  
(NORMAL SPEED)



SPEED	SIGN SPACING (FT) (1)	CHANNELIZER SPACING (FT)	OPTIONAL
PERMANENT POSTED (MPH)	UNDIVIDED HIGHWAYS (S)	BUFFER/WORK AREAS	BUFFER LENGTH (FT)
0-35	200	40	250
40-45	350	80	360
50-55	500	80	495
60-70	1000	120	730

SPACING NOTES:  
 (1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.  
 SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS, AS APPROVED BY ENGINEER.

NOTES:  
 CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

FLAG ASSEMBLIES FOR SIGN W020-7a ARE SUBSIDIARY TO THE SIGN.

- - CHANNELIZERS
- - FLAGGER

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOTCANDLES (6.5 LUX).

LANE CLOSURE USING FLAGGERS  
(UNDIVIDED HIGHWAY)

NOT TO SCALE

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

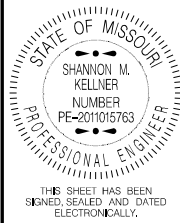
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)











# SHOULDER WORK WITH MINOR TRAVELWAY ENCROACHMENT OR NO ENCROACHMENT (DIVIDED HIGHWAY)

SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL BUFFER LENGTH (FT) (B)	CHANNELIZER SPACING (FT)	
		SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER / WORK AREAS
0-35	200	70	245	250	35	40
40-45	500	150	540	360	40	80
50-55	1000	185	660	495	50	80
60-70	SA - 1000 SB - 1500 SC - 2640	235	840	730	60	120

- NOTES:  
 (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.  
 (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.  
 (3) NEXT XX MILES SIGN NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

WO20-1  
 (2)

WO21-5  
 (21)

WO5-1  
 (3)

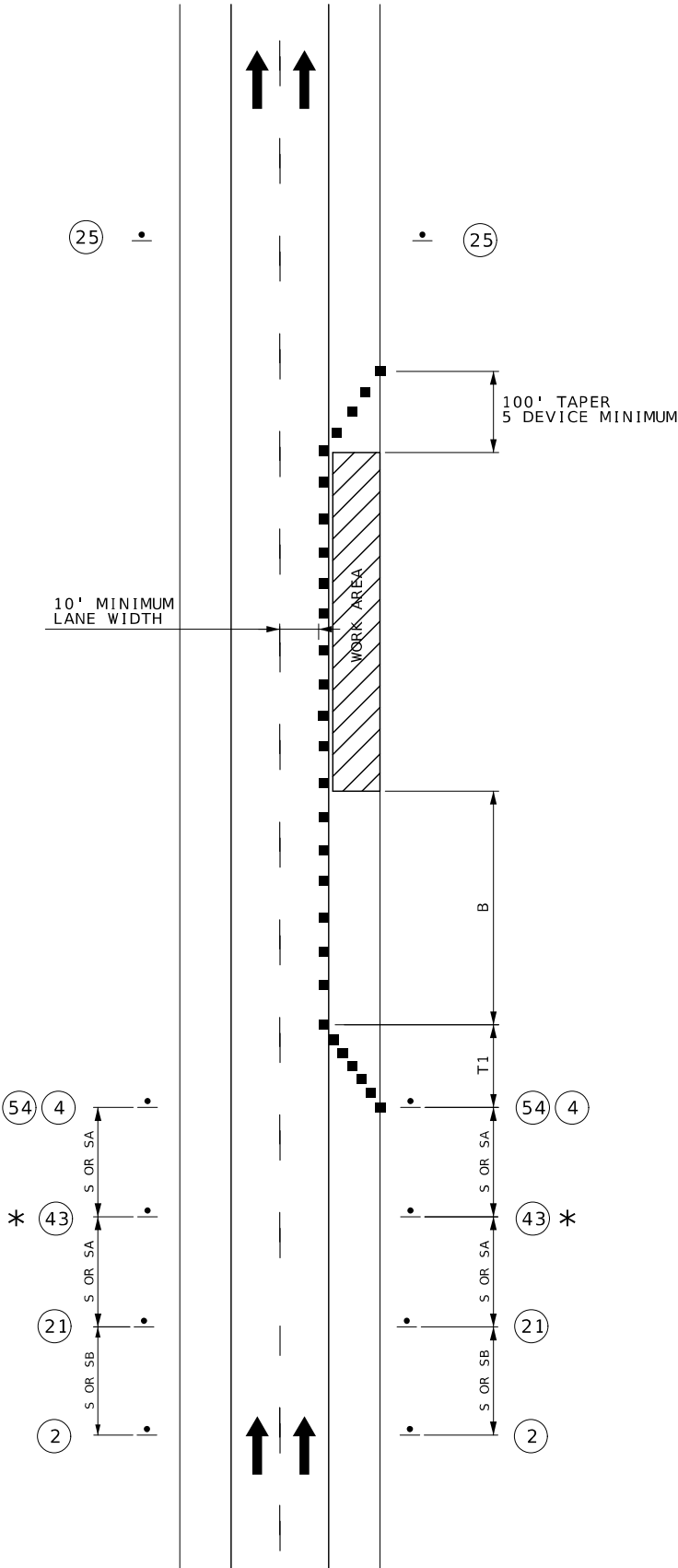
BRIDGE OR RAMP

WO7-3a  
 (43) \*

\* OMIT SIGN 43 FOR NO TRAVELWAY ENCROACHMENT.

GO20-5aP  
 WORK ZONE  
 (54) (4)

R2-1  
 (25)  
 (NORMAL SPEED)



NOT TO SCALE  
 TRAFFIC CONTROL  
 SHEET 5 OF 10

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

DATE PREPARED  
1/6/2025

ROUTE VAR. STATE MO

DISTRICT SW SHEET NO. 6

COUNTY VARIOUS

JOB NO. JSRM0075

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

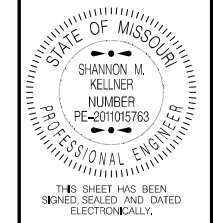
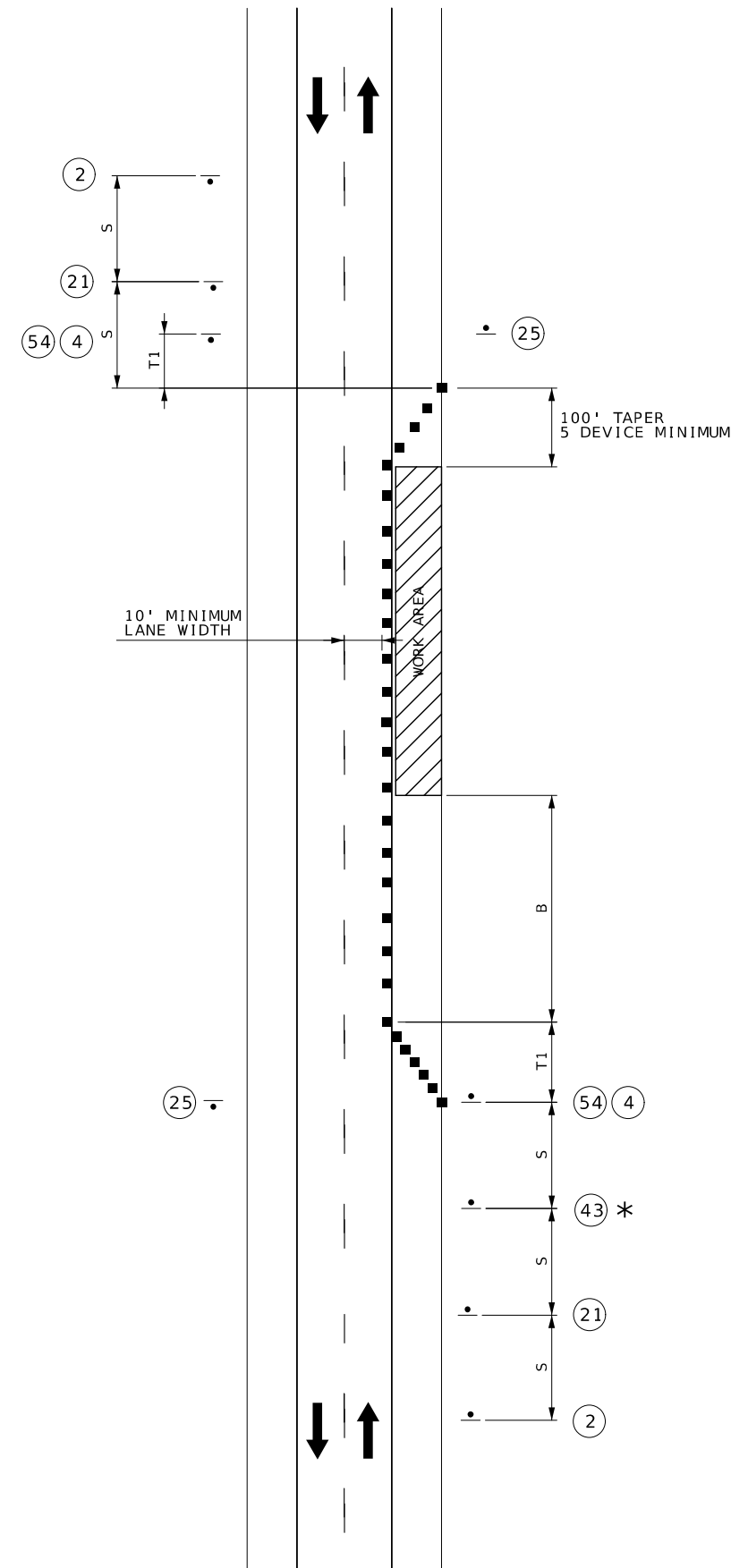
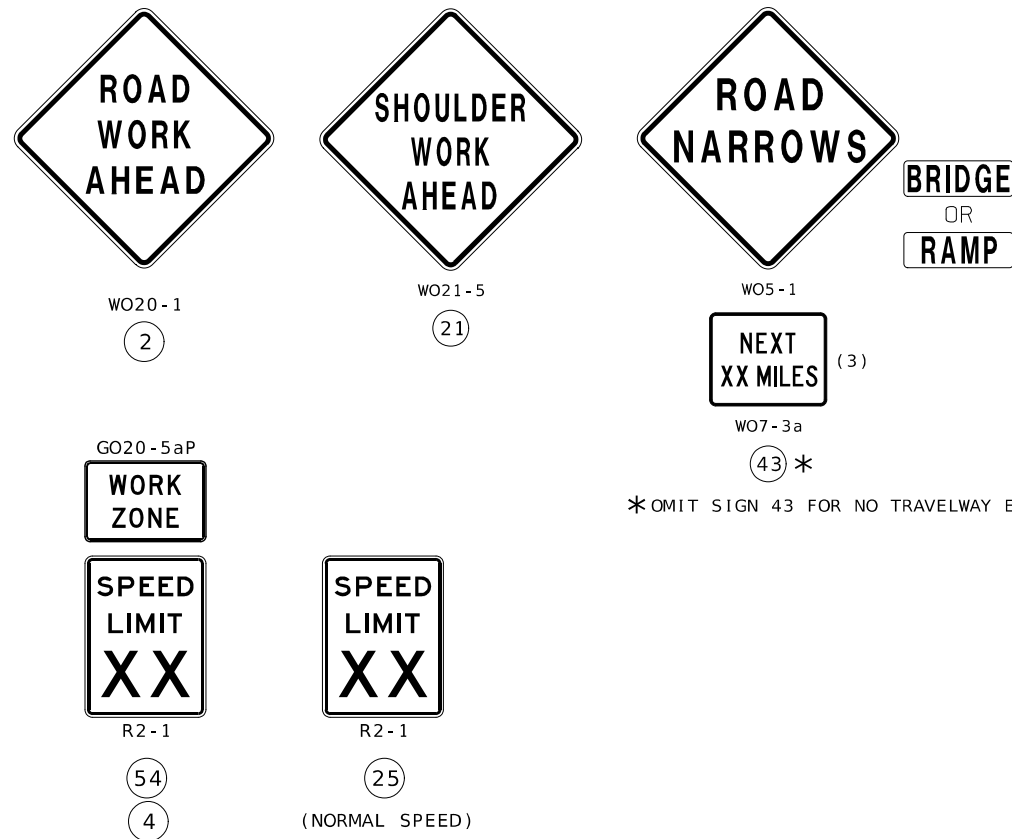
# SHOULDER WORK WITH MINOR TRAVELWAY ENCROACHMENT OR NO ENCROACHMENT (UNDIVIDED HIGHWAY)

REVISED: 8/27/2024

SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL BUFFER LENGTH (FT) (B)	CHANNELIZER SPACING (FT)	
		SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER / WORK AREAS
0-35	200	70	245	250	35	40
40-45	350	150	540	360	40	80
50-55	500	185	660	495	50	80
60-70	1000	235	840	730	60	120

**NOTES:**

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.
- (3) NEXT XX MILES SIGN NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.



DATE PREPARED  
10/31/2024

ROUTE STATE  
VAR. MO

DISTRICT SHEET NO.  
SW 7

COUNTY  
VARIOUS

JOB NO.  
JSRM0075

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)

NOT TO SCALE

TRAFFIC CONTROL SHEET 6 OF 10









**DESIGN DESIGNATION**

A.A.D.T. - 2024 = N/A  
 T = N/A  
 V = N/A

FUNCTIONAL CLASSIFICATION- VARIOUS

NO NEW RIGHT-OF-WAY

**CONVENTIONAL SYMBOLS**

(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FN-
OVERHEAD CABLE TV	-OTV-	-ONTV-
UNDERGROUND CABLE TV	-UTV-	-UNTV-
OVERHEAD TELEPHONE	-OT-	-ONT-
UNDERGROUND TELEPHONE	-UT-	-UNT-
OVERHEAD POWER	-OE-	-ON-
UNDERGROUND POWER	-UE-	-UN-
SANITARY SEWER	-S-	-NS-
STORM SEWER	-SS-	-NSS-
GAS	-G-	-NG-
WATER	-W-	-NW-
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		

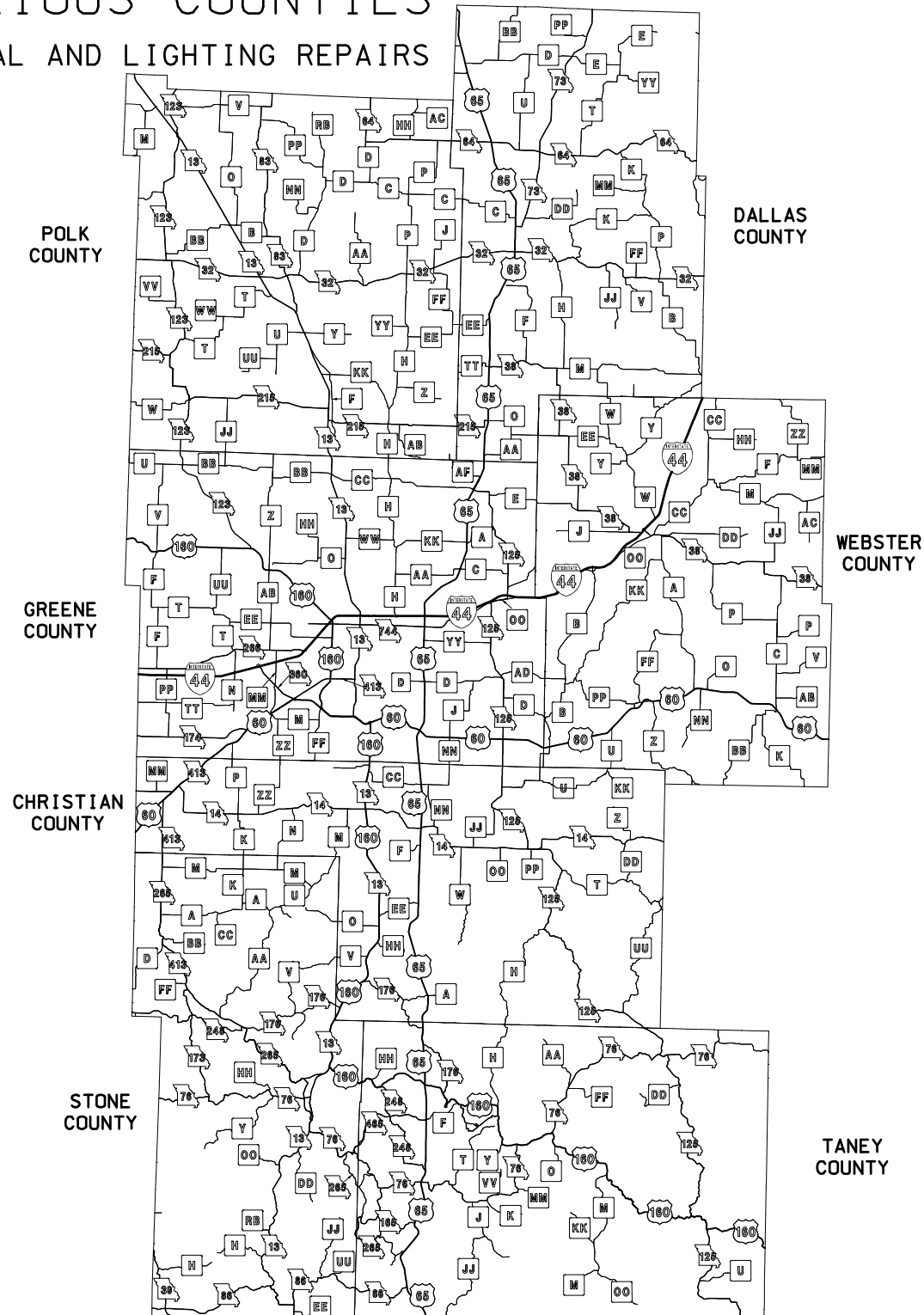
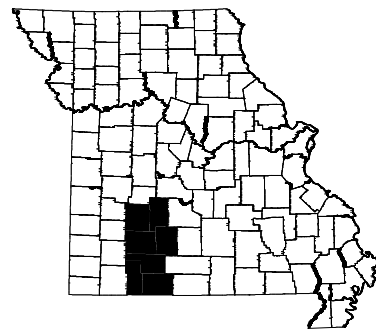
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

## PLANS FOR PROPOSED STATE HIGHWAY

### VARIOUS COUNTIES

#### SIGNAL AND LIGHTING REPAIRS

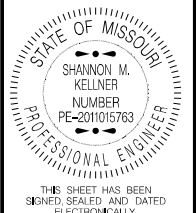


NOT TO SCALE

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.

**INDEX OF SHEETS**

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TRAFFIC CONTROL (TC) -----	2-11



DATE PREPARED 1/6/2025	
ROUTE VAR.	STATE MO
DISTRICT SW	SHEET NO. 1
COUNTY VARIOUS	
JOB NO. JSUM0076	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

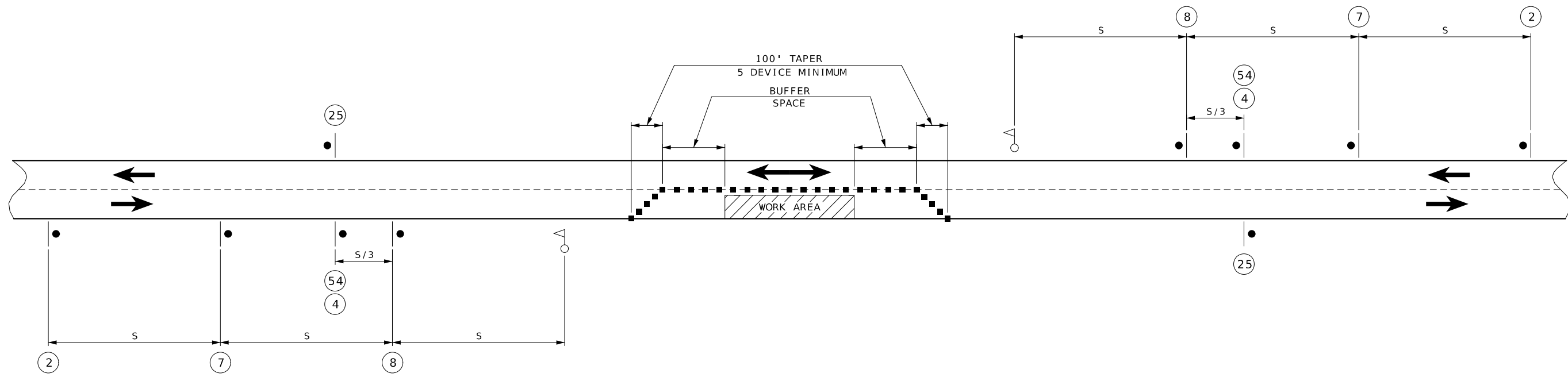
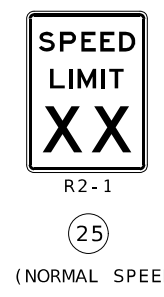
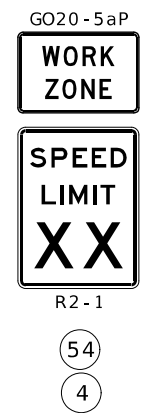
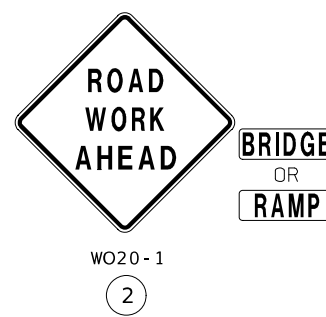
**LENGTH OF PROJECT**

BEGINNING OF PROJECT	N/A
END OF PROJECT	N/A
APPARENT LENGTH	N/A FEET
EQUATIONS AND EXCEPTIONS:	

TOTAL CORRECTIONS	N/A FEET
NET LENGTH OF PROJECT	N/A FEET
STATE LENGTH	N/A MILES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



NOTES:

CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

FLAG ASSEMBLIES FOR SIGN W020-7a ARE SUBSIDIARY TO THE SIGN.

■ - CHANNELIZERS

○ - FLAGGER

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOTCANDLES (6.5 LUX).

SPEED	SIGN SPACING (FT) (1)	CHANNELIZER SPACING (FT)	OPTIONAL
PERMANENT POSTED (MPH)	UNDIVIDED HIGHWAYS (S)	BUFFER/WORK AREAS	BUFFER LENGTH (FT)
0-35	200	40	250
40-45	350	80	360
50-55	500	80	495
60-70	1000	120	730

SPACING NOTES:

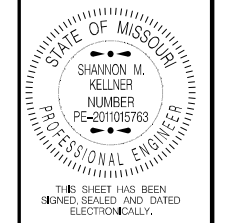
(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS, AS APPROVED BY ENGINEER.

LANE CLOSURE USING FLAGGERS  
(UNDIVIDED HIGHWAY)

NOT TO SCALE

TRAFFIC CONTROL  
SHEET 1 OF 10



DATE PREPARED	
10/31/2024	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
SW	2
COUNTY	
VARIOUS	
JOB NO.	
JSUM0076	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

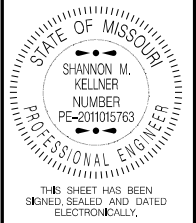
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)









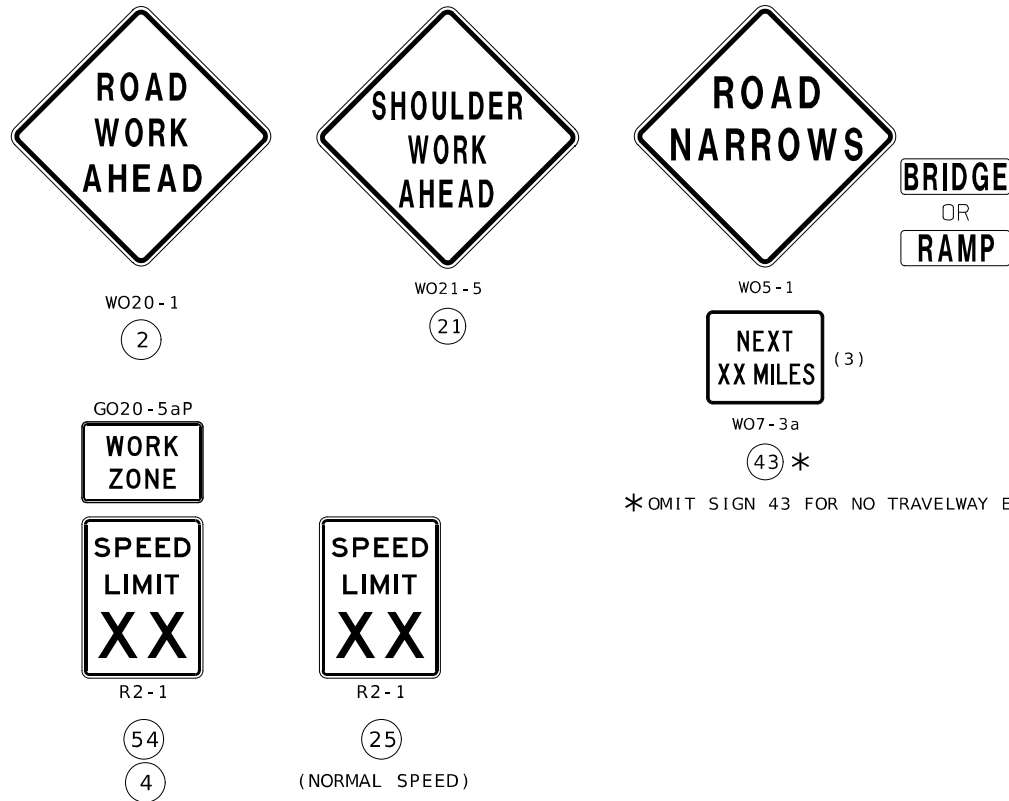


## SHOULDER WORK WITH MINOR TRAVELWAY ENCROACHMENT OR NO ENCROACHMENT (DIVIDED HIGHWAY)

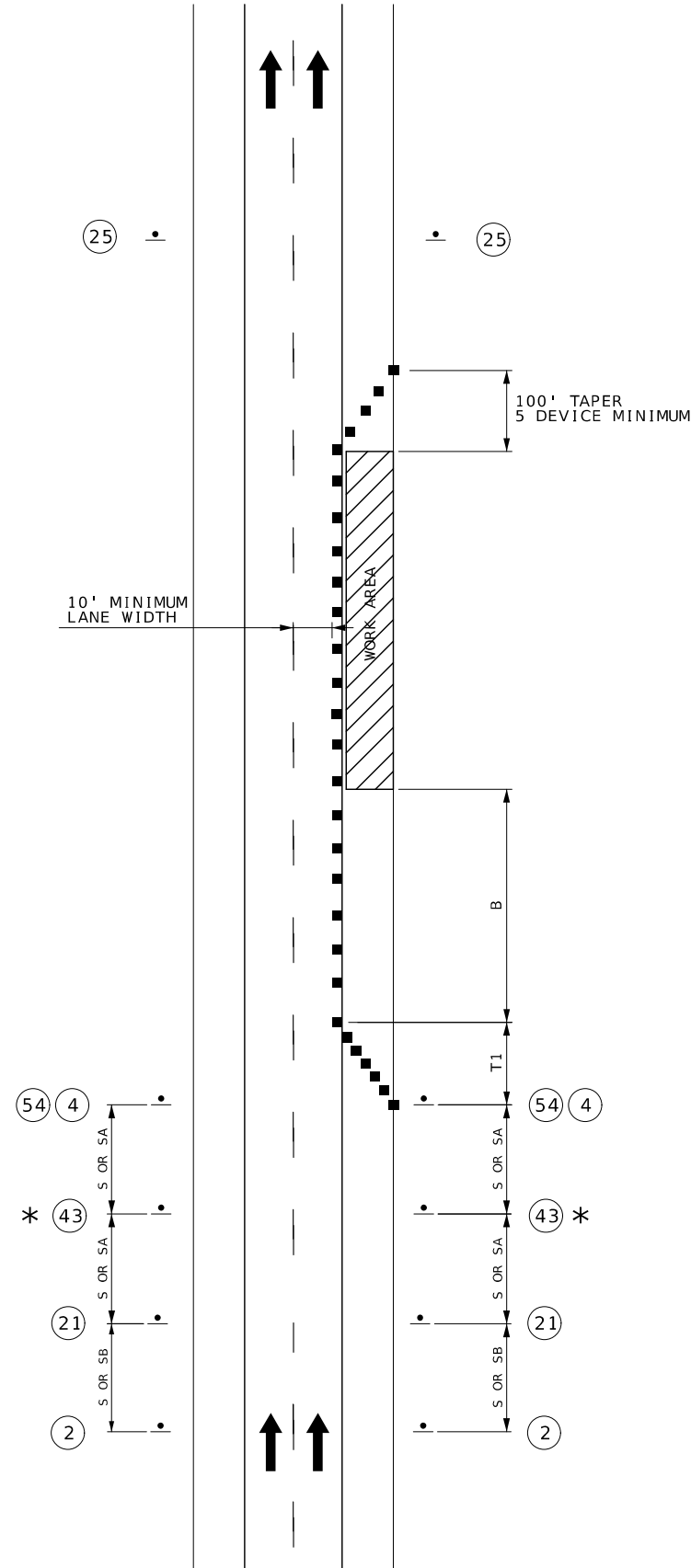
SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL BUFFER LENGTH (FT) (B)	CHANNELIZER SPACING (FT)	
		SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER / WORK AREAS
0-35	200	70	245	250	35	40
40-45	500	150	540	360	40	80
50-55	1000	185	660	495	50	80
60-70	SA - 1000 SB - 1500 SC - 2640	235	840	730	60	120

**NOTES:**

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.
- (3) NEXT XX MILES SIGN NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.



\* OMIT SIGN 43 FOR NO TRAVELWAY ENCROACHMENT.



NOT TO SCALE

DATE PREPARED 10/31/2024	
ROUTE VAR.	STATE MO
DISTRICT SW	SHEET NO. 6
COUNTY VARIOUS	
JOB NO. JSUM0076	
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)











