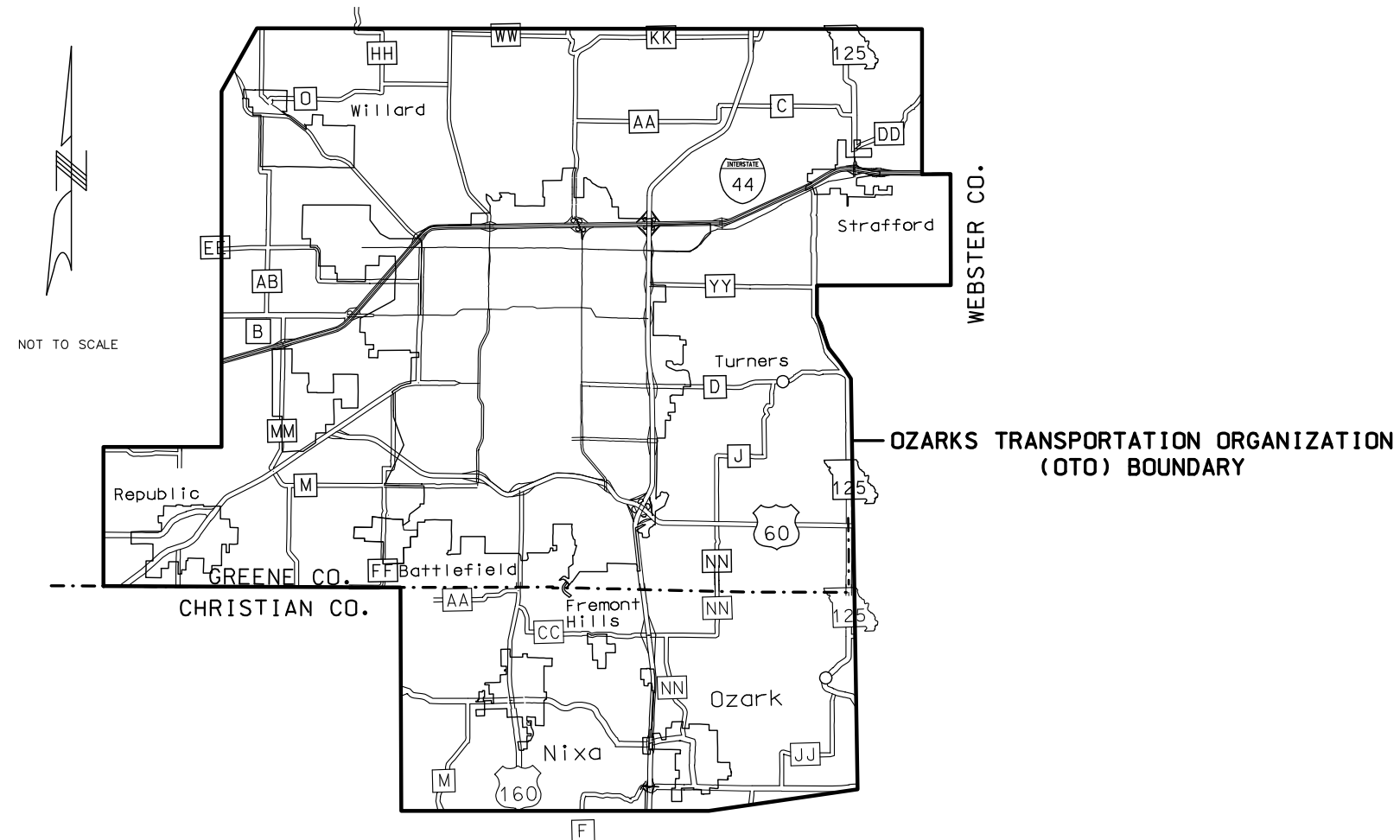


MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY

GREENE & CHRISTIAN COUNTIES



JOB ORDER CONTRACTING FOR CONCRETE REPAIR
INSIDE THE OZARKS TRANSPORTATION ORGANIZATION BOUNDARY
CHRISTIAN AND GREENE
SOUTHWEST DISTRICT

INDEX OF SHEETS

DESCRIPTION

SHEET
NUMBER

TITLE SHEET ----- 1
TRAFFIC CONTROL SHEETS (TC)----- 2-8



DATE PREPARED
10/2/2023 1:39:07 PM
SHANNON M. KELLNER - CIVIL
MO-PE-2011015763

DATE PREPARED
10/2/2023

ROUTE STATE
VAR MO

DISTRICT SHEET NO.
SW 1

COUNTY
GREENE / CHRISTIAN

JOB NO.
JSU0118

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

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DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

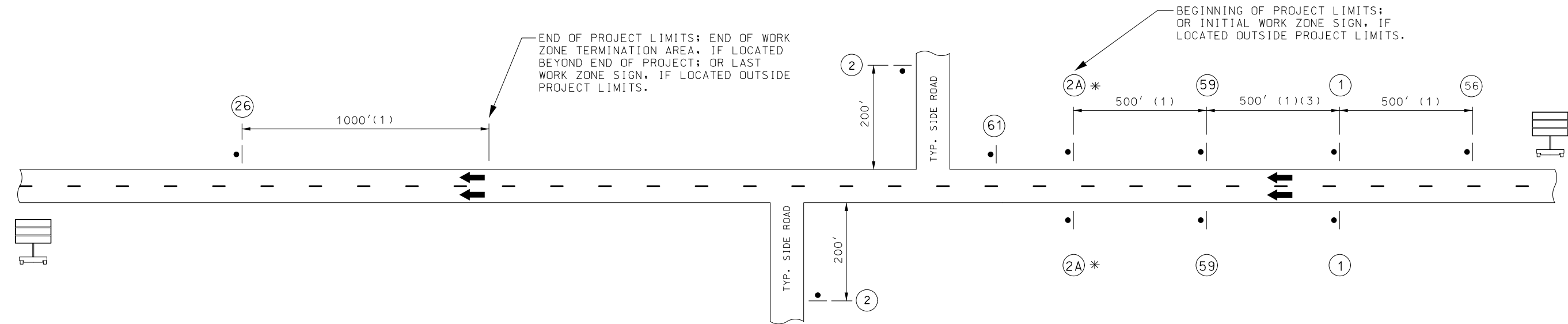
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

GENERAL NOTES:

1. ANY EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
2. TEMPORARY SIGNING SHOWN IS FOR WORK ON ONE SIDE OF THE ROAD. FOR WORK ON THE OTHER SIDE, REVERSE ORDER OF THE SIGNS AND CHANNELIZERS.
3. SIGNING SHOWN SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
4. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.
5. REFER TO STANDARD DRAWING 616.10, 619.10, AND 620.10 FOR ADDITIONAL DETAILS AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.
6. SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.
7. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.
8. NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONSTRUCTION SIGNS, OR FLASHING ARROW PANEL.
9. ALL SIGNS, EXCEPT "RATE OUR WORK ZONES" SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PROPER TRAFFIC CONTROL SETUPS THROUGHOUT CONSTRUCTION AS DESCRIBED IN THESE PLANS OR AS APPROVED BY THE ENGINEER.
11. WHERE MINIMUM LANE WIDTHS CANNOT BE ACHIEVED ON THE SIDE STREETS, THE CONTRACTOR SHALL CLOSE HALF OF THE APPROACH AND POSITION A FLAGGER AT EACH END OF THE WORK AREA. LOCATION TO BE DETERMINED BY THE ENGINEER. ADVANCE FLAGGER SIGNING SHALL BE INSTALLED AS OUTLINED IN THE MUTCD.
12. THE CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO ALL BUSINESSES AND STREETS. NO STREET OR ENTRANCE SHALL BE COMPLETELY BLOCKED.
13. SPACING & DISTANCES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD & APPROVED BY THE ENGINEER.
14. TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
15. ADJUST ADVANCE WARNING SIGN SPACING TO AVOID SIGN PLACEMENT WITHIN THE LIMITS OF THE RAILROAD RIGHT OF WAY.

REVISED: 4/18/2023



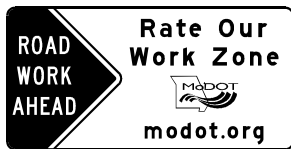
TYPICAL BEGINNING AND END OF PROJECT
(DIVIDED HIGHWAY)

- (1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.
- (2) SIGN CONST-7-72 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN OR WORK ZONE NO PONE ZONE SIGN. IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.
- (3) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.
- (4) CMS PLACEMENT SHALL BE APPROVED BY THE ENGINEER.



CONST-8-48 (3)

(59)



CONST-7-72 (2)

(56)



G020-1

(1)

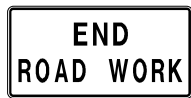


W020-1



(2A)*

* SIGN (2A) WITH AWRS MUST BE GROUND OR SKID MOUNTED.



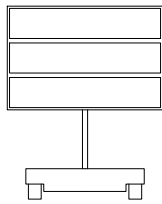
G020-2

(26)



W020-1

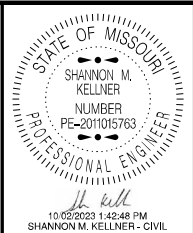
(2)



CMS (4)

NOT TO SCALE

TRAFFIC CONTROL
SHEET 1 OF 7



DATE PREPARED
10/2/2023

ROUTE
VAR

STATE
MO

DISTRICT
SW

SHEET NO.
2

COUNTY
GREENE / CHRISTIAN

JOB NO.
JSU0118

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

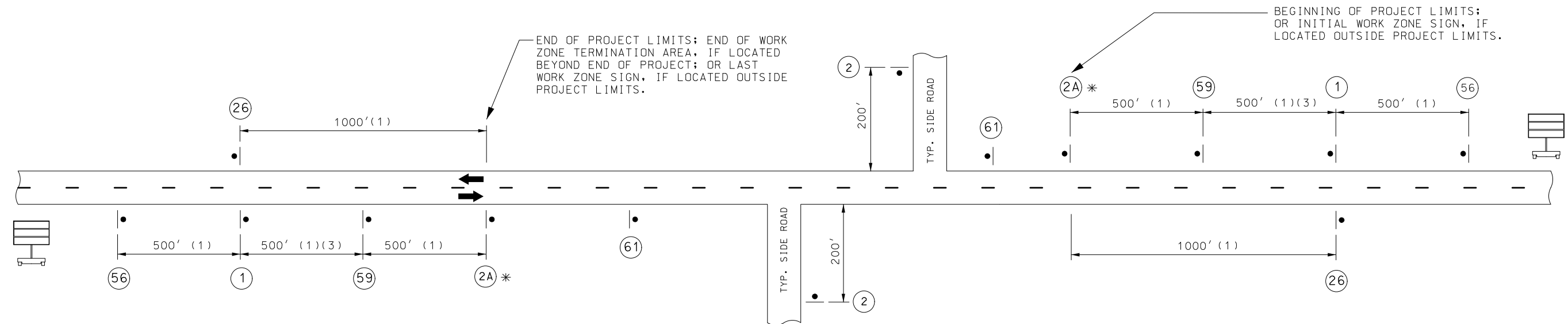
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MODOT

GENERAL NOTES:

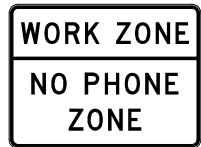
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REVISED: 4/18/2023



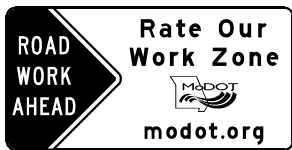
TYPICAL BEGINNING AND END OF PROJECT
(UNDIVIDED HIGHWAY)

- (1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.
- (2) SIGN CONST-7-72 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN OR WORK ZONE NO PONE ZONE SIGN, IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.
- (3) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.
- (4) CMS PLACEMENT SHALL BE APPROVED BY THE ENGINEER.



CONST-8-48 (3)

(59)



CONST-7-72 (2)

(56)

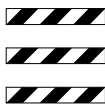


G020-1

(1)

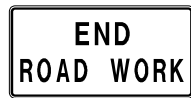


W020-1



(2A)*

* SIGN (2A) WITH AWRS MUST BE GROUND OR SKID MOUNTED.



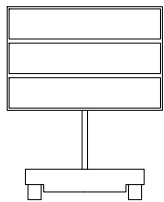
G020-2

(26)



W020-1

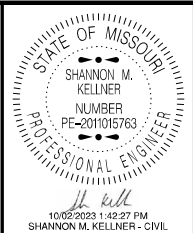
(2)



CMS (4)

NOT TO SCALE

TRAFFIC CONTROL
SHEET 2 OF 7



DATE PREPARED
10/2/2023

ROUTE
VAR

STATE
MO

DISTRICT
SW

SHEET NO.
3

COUNTY
GREENE/CHRISTIAN

JOB NO.
JSU0118

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)

MODOT

REVISÉD: 8/2/2023



10/02/2023 1:42:06 PM
SHANNON M. KELLNER - CIVIL
MO-PE-2011015763

DATE PREPARED
10/2/2023

ROUTE VAR	STATE MO
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DISTRICT SW	SHEET NO. 4
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COUNTY
GREENE / CHRISTIAN

JOB NO.
JSU0118

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

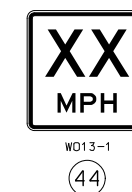
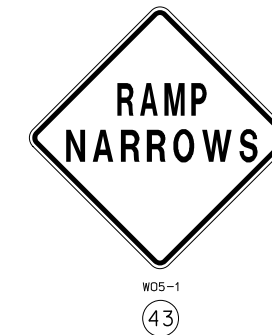
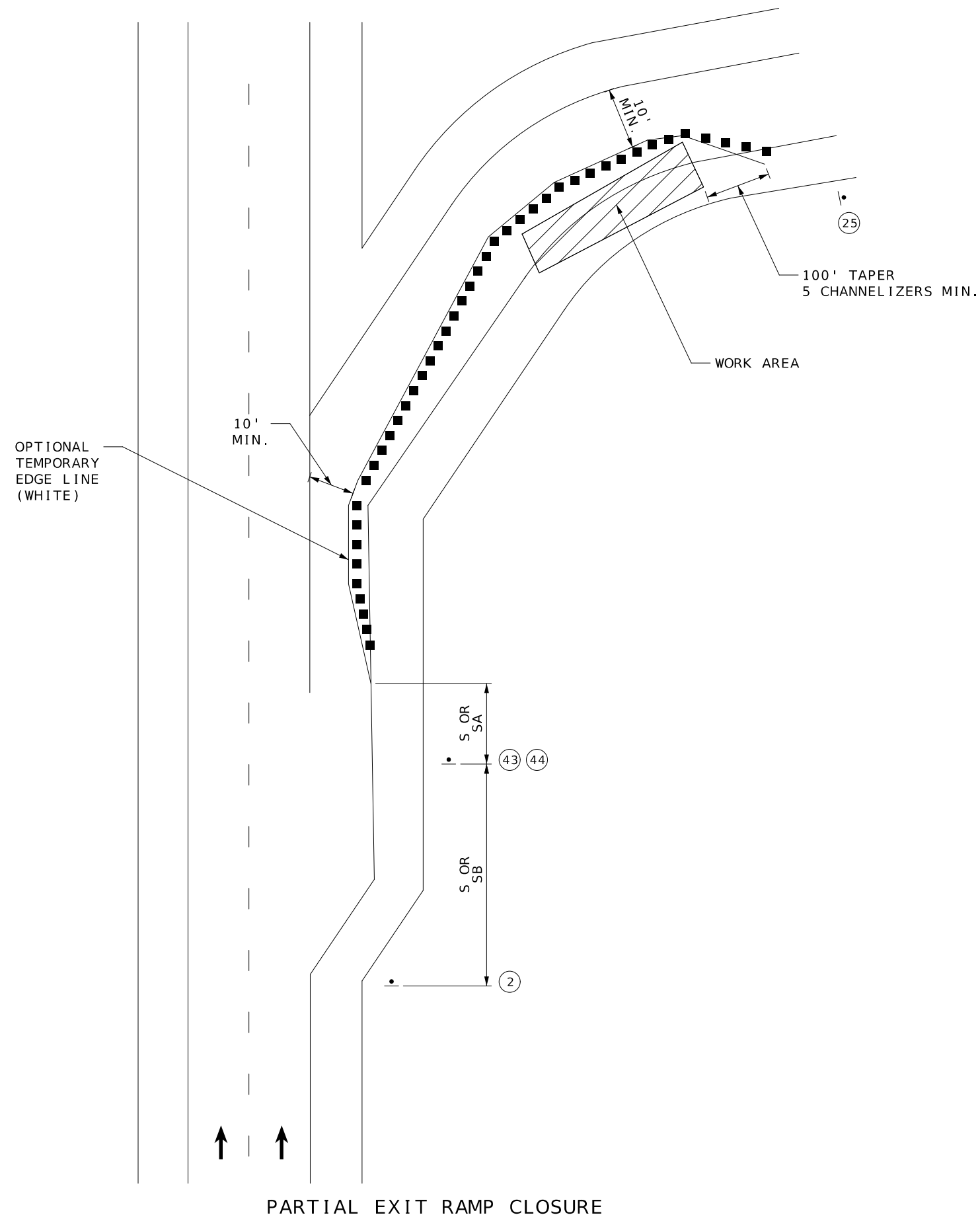
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)	
PERMANENT POSTED (MPH)	DIVIDED HIGHWAYS (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (FT) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	70	245	280	35	40
40-45	500	150	540	400	40	80
50-55	1000	185	660	560	50	80
60-70	SA - 1000 SB - 1500 SC - 2640	235	840	840	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.

TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.



NOT TO SCALE

TRAFFIC CONTROL
SHEET 3 OF 7

SPEED	SIGN SPACING (FT)	TAPER LENGTH (FT)		OPTIONAL	CHANNELIZER SPACING (FT)	
PERMANENT POSTED (MPH)	DIVIDED HIGHWAYS (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (FT) (B)	TAPERS	BUFFER / WORK AREAS
0-35	200	70	245	280	35	40
40-45	500	150	540	400	40	80
50-55	1000	185	660	560	50	80
60-70	SA - 1000 SB - 1500 SC - 2640	235	840	840	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.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

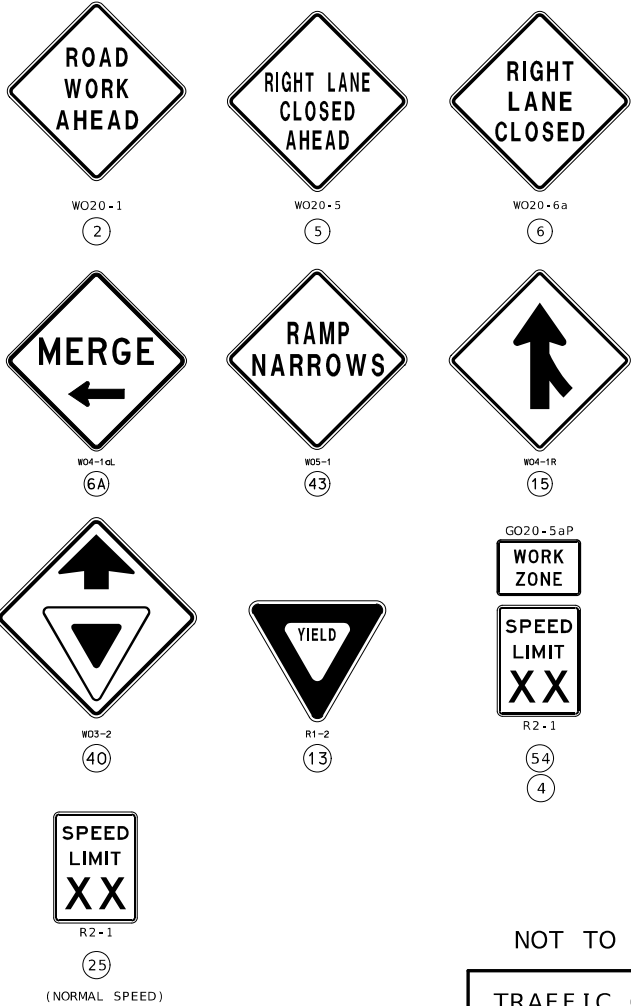
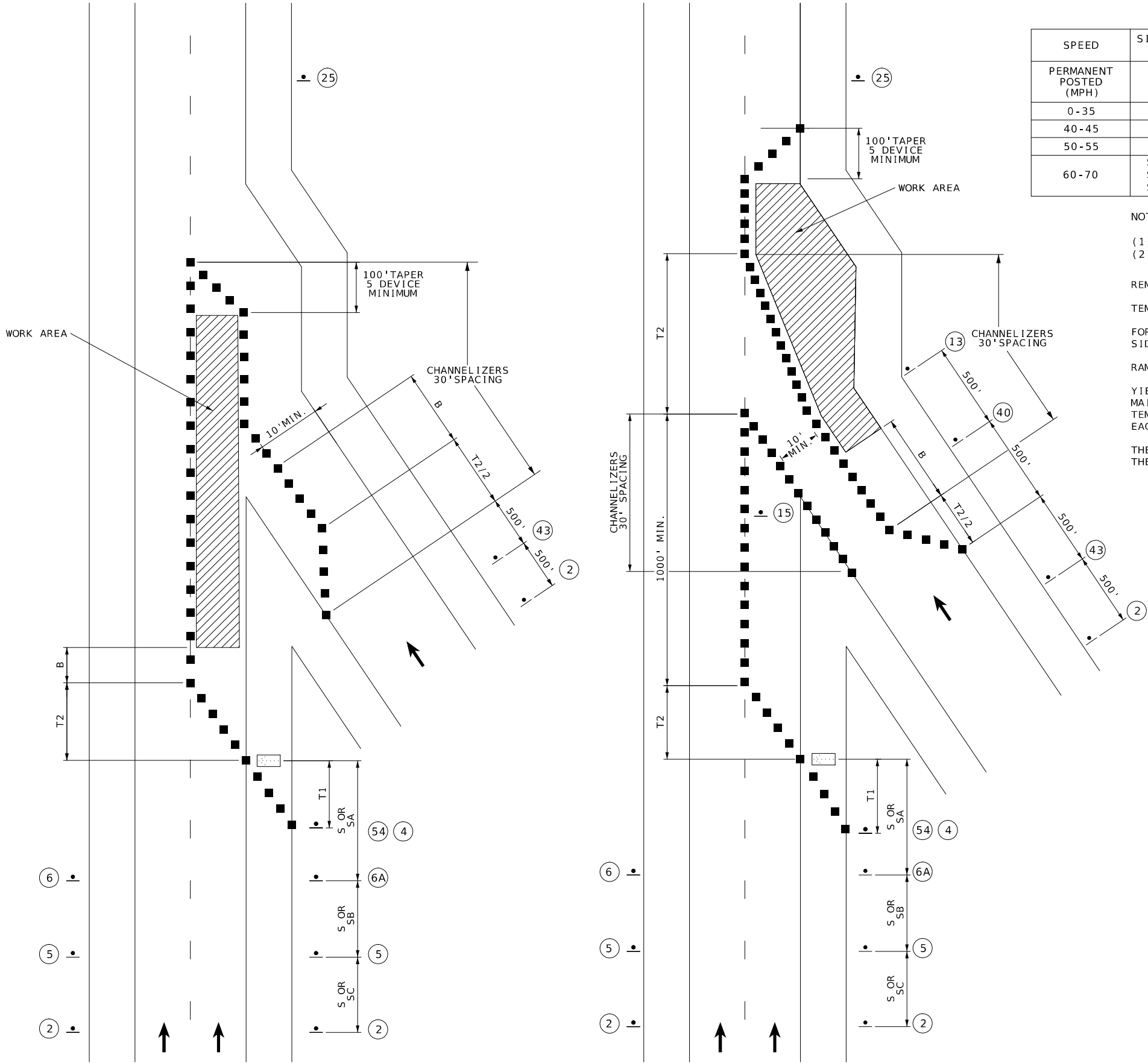
TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

FOR RAMP WITH SHARP CURVES OR MULTIPLE LANES, RAMP SIGNS MAY BE PLACED ON BOTH SIDES OF THE RAMP.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED.

YIELD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC. WHERE INADEQUATE ACCELERATION DISTANCE EXISTS FOR THE TEMPORARY ENTRANCE, THE YIELD SIGN SHALL BE REPLACED WITH STOP SIGNS (ONE ON EACH SIDE OF THE APPROACH).

THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORISTS ON THE RAMP.



WORK IN THE VICINITY OF AN ENTRANCE RAMP

NOT TO SCALE

STATE OF MISSOURI

SHANNON M. KELLNER

NUMBER

PE-2011015763

PROFESSIONAL ENGINEER

10/02/2023 1:41:45 PM

SHANNON M. KELLNER - CIVIL

MO-PE-2011015763

DATE PREPARED

10/2/2023

ROUTE

VAR

DISTRICT

SW

STATE

MO

SHEET NO.

5

COUNTY

GREENE / CHRISTIAN

JOB NO.

JSU0118

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)

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
PERMANENT POSTED (MPH)	DIVIDED HIGHWAYS (S)					
0-35	200	70	245	280	35	40
40-45	500	150	540	400	40	80
50-55	1000	185	660	560	50	80
60-70	SA - 1000 SB - 1500 SC - 2640	235	840	840	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) 5 CHANNELIZER DEVICE MINIMUM.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED.

W020-1
2

W04-1aL
6A

G020-5aP
WORK
ZONE

R2-1
54
4

W020-5
5

W05-1
43

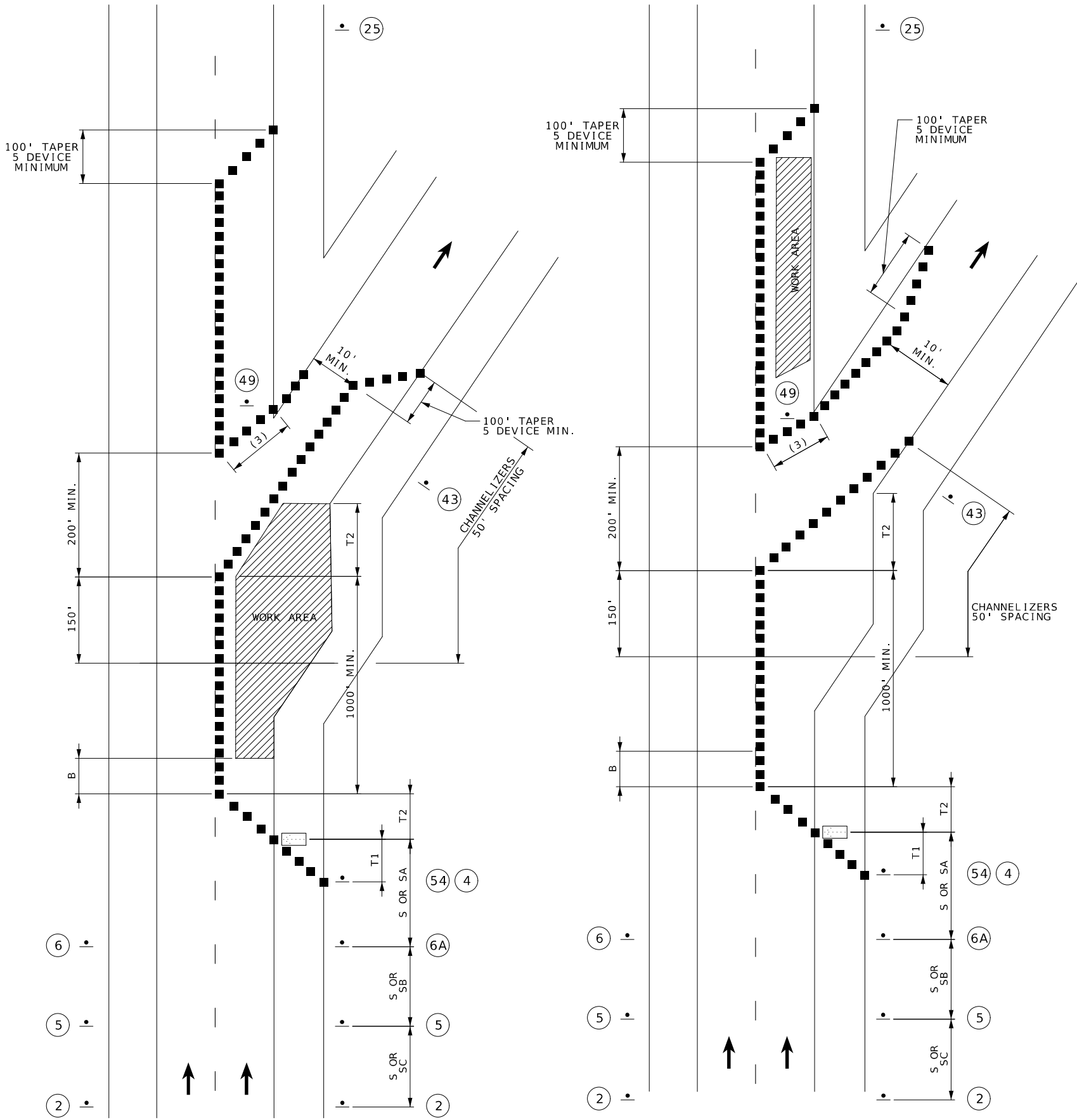
R2-1
25
(NORMAL SPEED)

W020-6a
6

E05-1
49

NOT TO SCALE

TRAFFIC CONTROL
SHEET 5 OF 7



WORK IN THE VICINITY OF AN EXIT RAMP



10/02/2023 1:41:30 PM
SHANNON M. KELLNER - CIVIL
MO-PE-2011016763

DATE PREPARED

10/2/2023

ROUTE VAR STATE MO

DISTRICT SW SHEET NO. 6

COUNTY

GREENE/CHRISTIAN

JOB NO.

JSU0118

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)

MODOT

EXIT RAMP CLOSURE

TAPER LENGTH AND SPACING							
SPEED	SIGN SPACING (FT.)		TAPER LENGTH (FT.)		OPTIONAL	CHANNELIZER SPACING (FT.)	
PERMANENT POSTED (mph)	UNDIVIDID (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (FT.) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	-	200	70	245	280	35	40
40-45	-	500	150	540	400	40	80
50-55	-	1000	185	660	560	50	80
60-70	-	SA - 1000	235	840	840	60	120
		SB - 1500					
		SC - 2640					

1. Shoulder taper length based on 10 ft (standard shoulder width) offset.

2. Lane taper length based on 12 ft. (standard lane width) offset.

*POSTED SPEED LIMIT.
*TAPER LENGTHS MAY BE ADJUSTED.
*SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.
*BASED ON 10FT SHOULDER WIDTH
*BASED ON 12FT LANE WIDTH
*SPACING REDUCED TO½AT INTERSECTIONS.
*SPACING MAY BE REDUCED TO½AT INTERSECTIONS.

ADVANCE WARNING SIGN MINIMUM SPACING	
SPEED LIMIT ¹ , MPH	SIGN SPACING ² , FT (S)
	DIVIDED HIGHWAY
0-35	200 ³
40-45	500
50-55	1000
60-70	SA-1000
	SB-1500
	SC-2640

¹POSTED SPEED LIMIT.
²SPACING MAY BE ADJUSTED FOR FIELD CONDITIONS.
³FOR URBAN LOW SPEED, MINIMUM RECOMMENDED SPACING IS 100 FT.

NOTES:
TEMPORARY PAVEMENT MARKINGS OPTIONAL FOR SHORT TERM OPERATIONS.

FOR FLAGS AND ADVANCE WARNING RAIL SYSTEM, REFER TO EPG 616.6.87 RUMBLE STRIPS.

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES.

LEGEND



TYPE 3 MOVEABLE BARRICADES W/ LIGHTS




SIGN (SINGLE SIDED)



WORK ZONE



TRUCK MOUNTED ATTENUATOR



CHANNELIZER




W020-1

2

BRIDGE


OR

RAMP



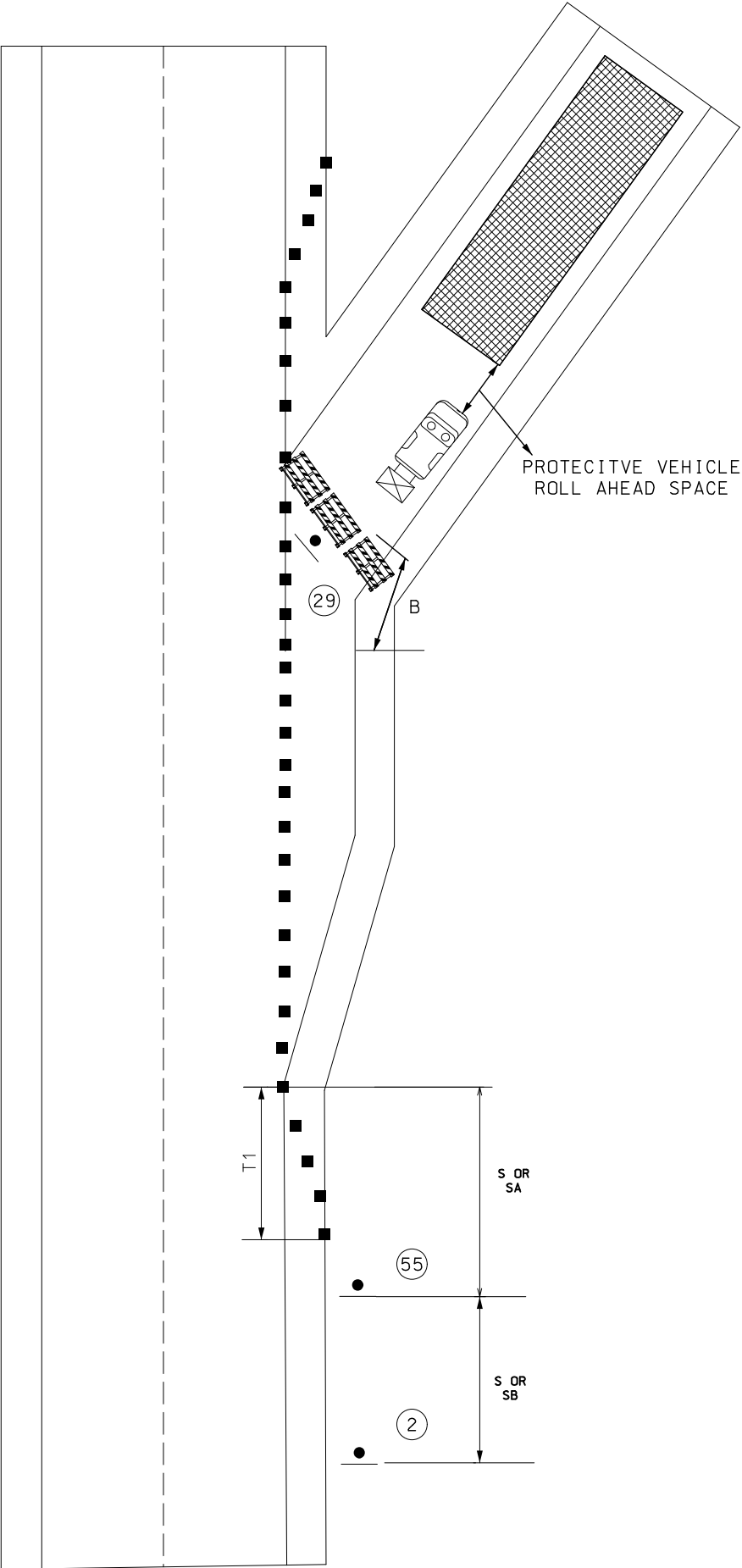
R11-2

29



E05-2a

55



STATE OF MISSOURI

SHANNON M. KELLNER

NUMBER PE-2011015763

PROFESSIONAL ENGINEER

10/02/2023 1:41:13 PM

SHANNON M. KELLNER - CIVIL

MO-PE-2011015763

DATE PREPARED

10/2/2023

ROUTE

VAR

DISTRICT

SW

STATE

MO

SHEET NO.

7

COUNTY

GREENE / CHRISTIAN

JOB NO.

JSU0118

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)

