

DESIGN DESIGNATION

A.A.D.T. - 2023 = N/A
T = N/A
V = N/A

FUNCTIONAL CLASSIFICATION- VARIOUS

NO RIGHT-OF-WAY ACQUISITION

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-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
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

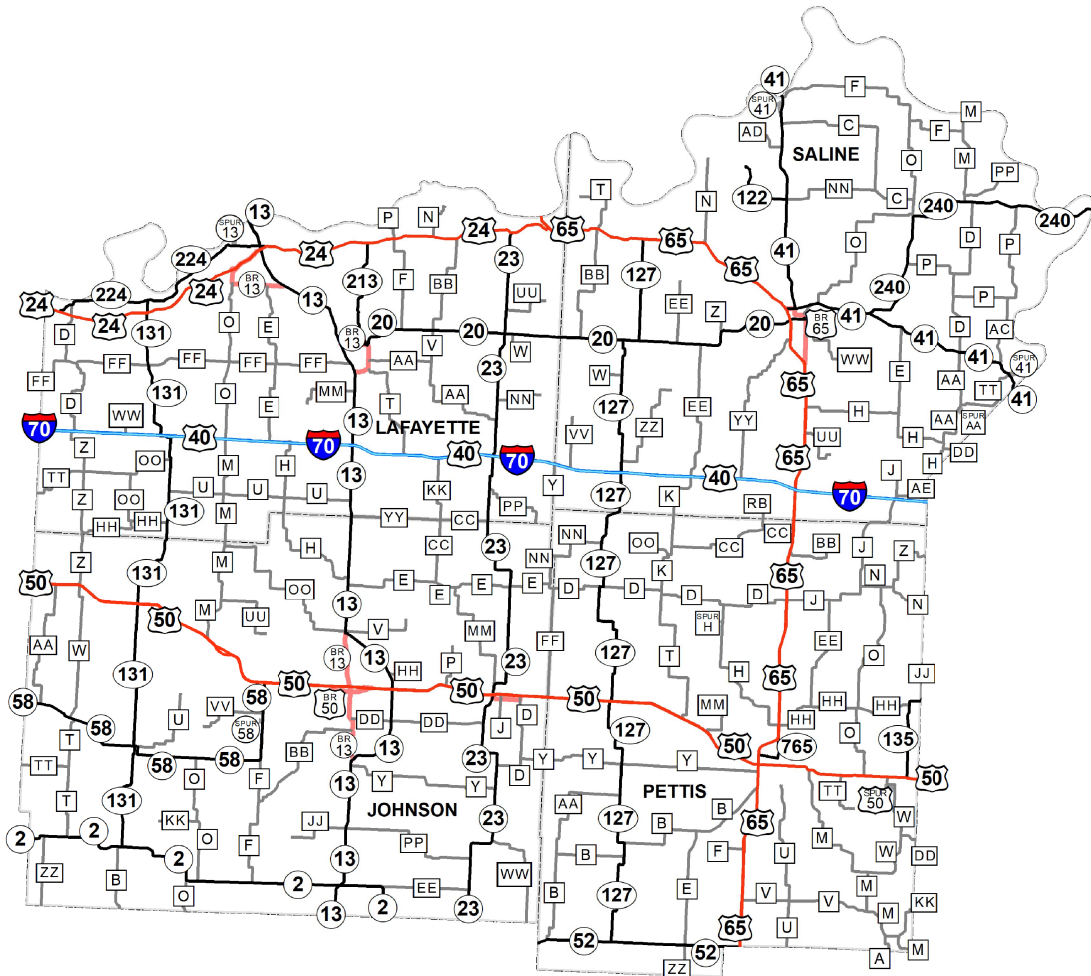
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY



KEY MAP
LOCATION OF JOHNSON, LAFAYETTE,
PETTIS,RAY AND SALINE COUNTIES

JOHNSON, LAFAYETTE, PETTIS,
AND SALINE COUNTIES

GUARDRAIL AND GUARD CABLE REPAIR



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 SHEETS (TC)	2-10



Benjamin Stephen McCabe, Sr.
02/24/2025 1:44:41 PM
BENJAMIN STEPHEN MCCABE SR - CIVIL
MO-PE-2003015005

DATE PREPARED
2/19/2025

ROUTE STATE
VAR. MO

DISTRICT SHEET NO.
KC 1

COUNTY
VARIOUS

JOB NO.
JKR0163

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)

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
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	N/A	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

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
- ⌈

TRUCK MOUNTED ATTENUATOR
W/ FLASHING ARROW



Benjamin Stephen McCabe, Sr.
02/24/2025 1:49:57 PM
BENJAMIN STEPHEN MCCABE, SR. CIVIL
MO-PE-2003015005

DATE PREPARED 2/19/2025	
ROUTE VAR.	STATE MO
DISTRICT KC	SHEET NO. 2

COUNTY VARIOUS
JOB NO. JKR0163
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

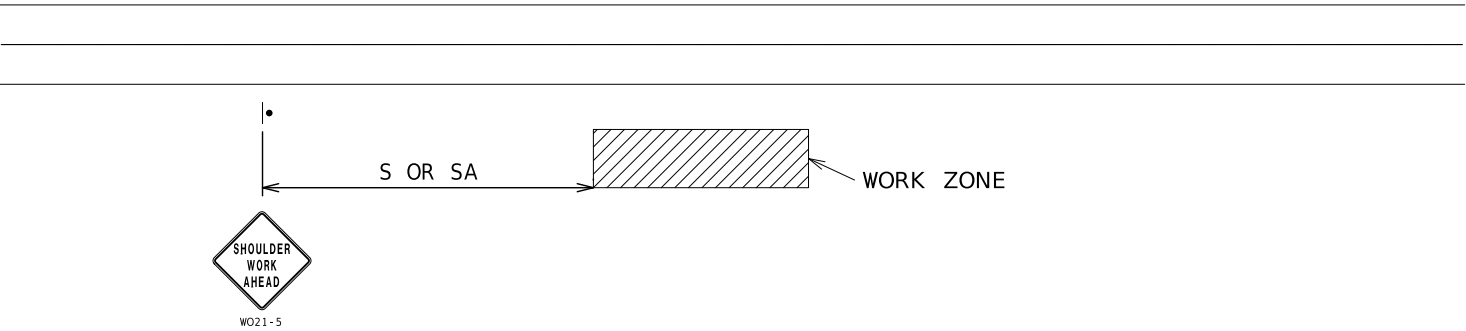
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



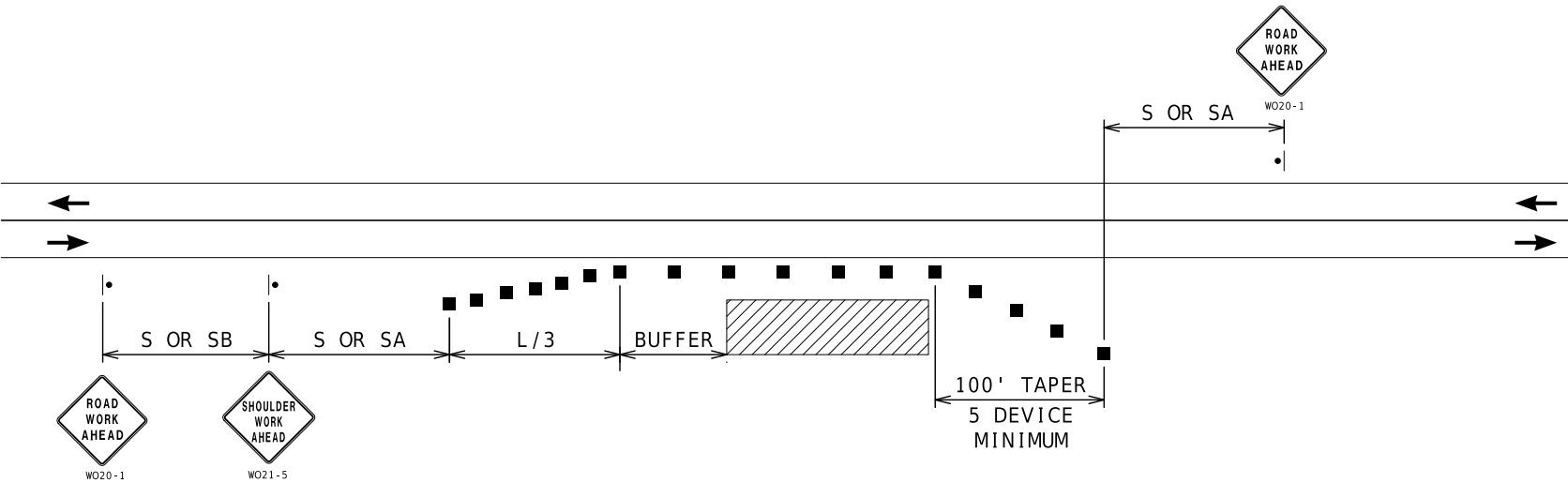
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BENJAMIN STEPHEN MCCABE SR - CIVIL
MO-PE-2003015005



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.

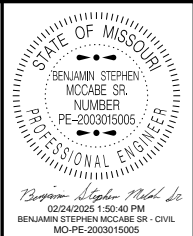
NOTES :
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



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.



DATE PREPARED
2/19/2025

ROUTE VAR.	STATE MO
DISTRICT KC	SHEET NO. 3

COUNTY
VARIOUS

JOB NO.
JKR0163

CONTRACT ID.

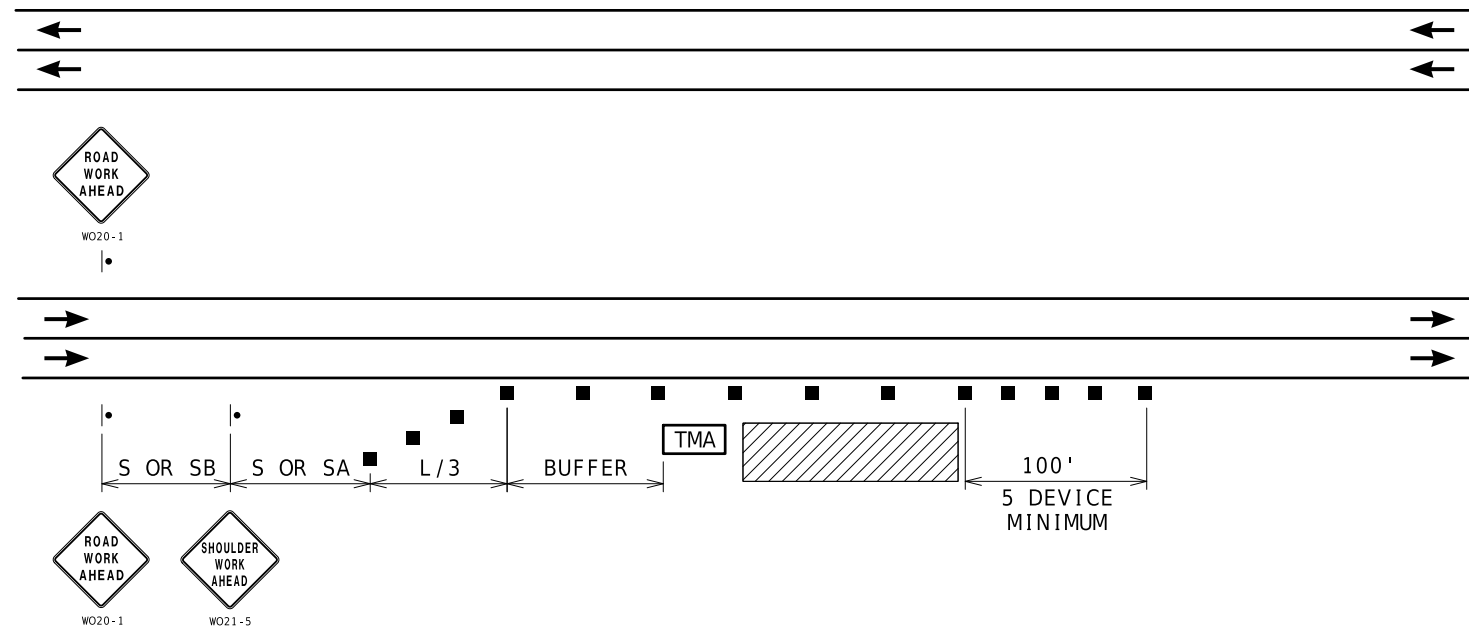
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

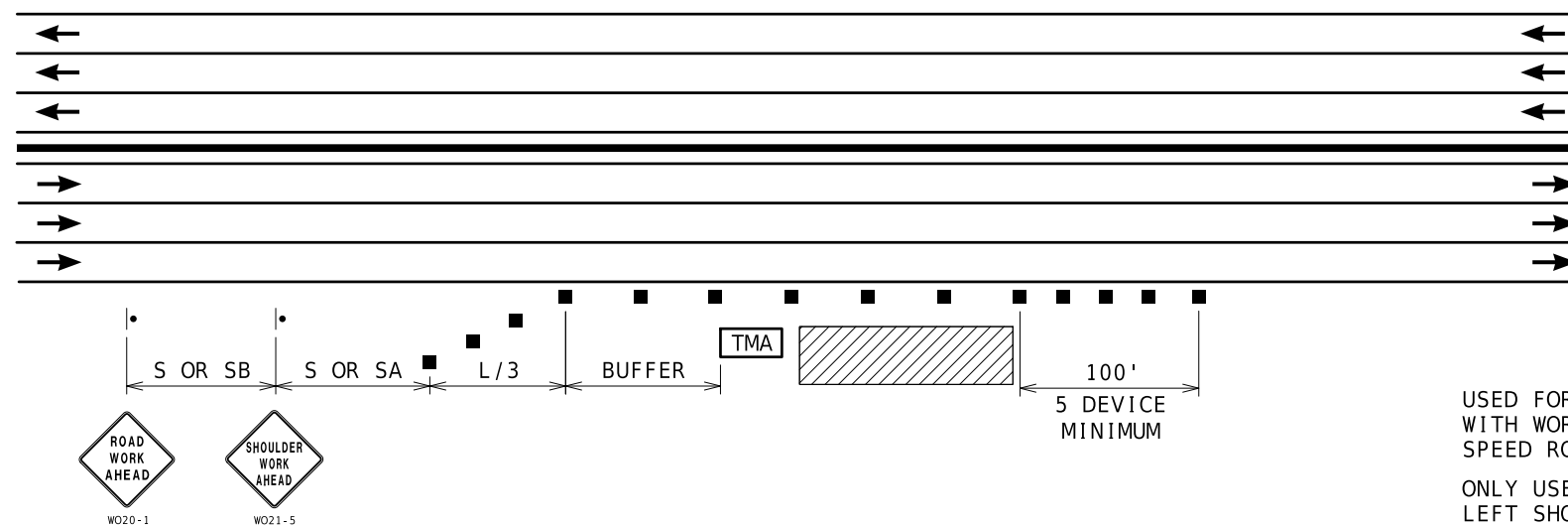


RIGHT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

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.



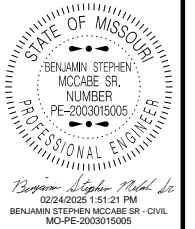
RIGHT SHOULDER WORK
MULTI-LANE FREEWAYS WITH MEDIAN BARRIER

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
3/10/2025

27/19/2023	
ROUTE	STATE

VAR.	MO
DISTRICT	SHEET NO.

DISTRICT	SHEET NO.
KC	4

COUNTY
VARIOUS

JOB NO.

JKR0163

CONTRACT ID.

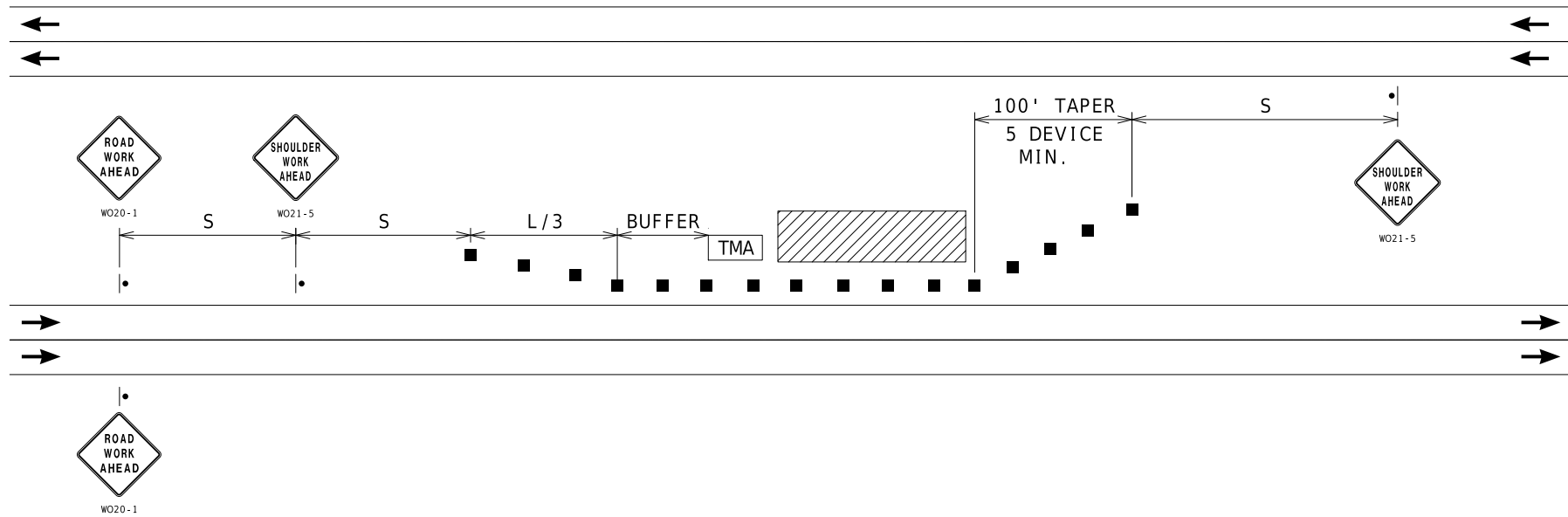
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

TRAFFIC CONTROL
SHEET 3 OF 9

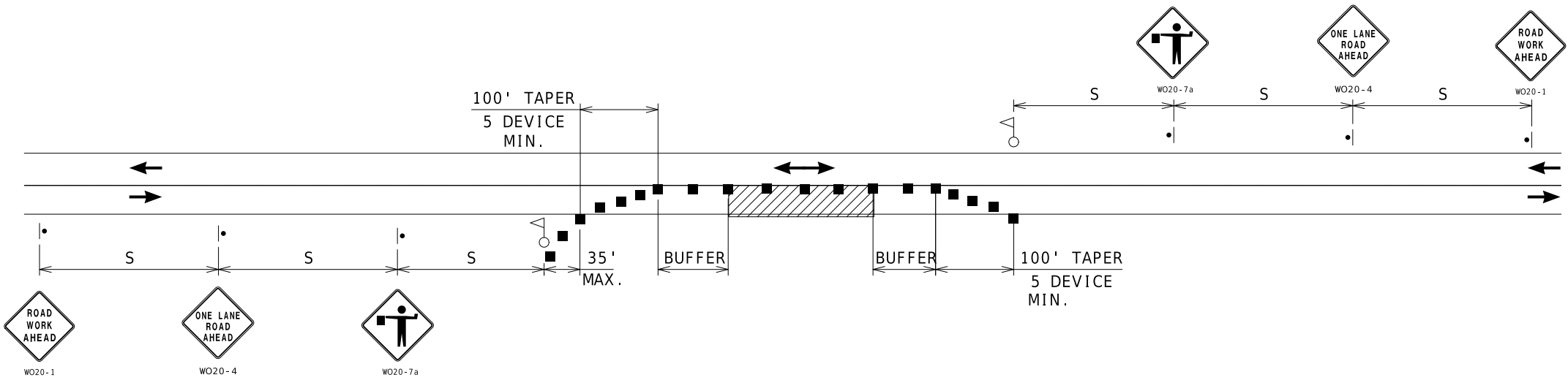


LEFT SHOULDER WORK- HIGH SPEED DIVIDED ROADWAYS

NOTES:

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.

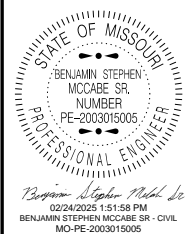


ONE-LANE TWO-WAY OPERATION WITH FLAGGERS

NOTES:

A MINIMUM OF TWO FLAGGERS WILL BE REQUIRED TO DIRECT TRAFFIC.
ADDITIONAL FLAGGERS MAY BE REQUIRED WHEN WORKING AT INTERSECTING
STREETS OR RAMP AS DIRECTED BY THE ENGINEER. NO DIRECT PAYMENT
WILL BE MADE FOR FLAGGERS

SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.



DATE PREPARED
2/19/2025

ROUTE
VAR.

STATE
MO

DISTRICT
KC

SHEET NO.
5

COUNTY
VARIOUS

JOB NO.
JKR0163

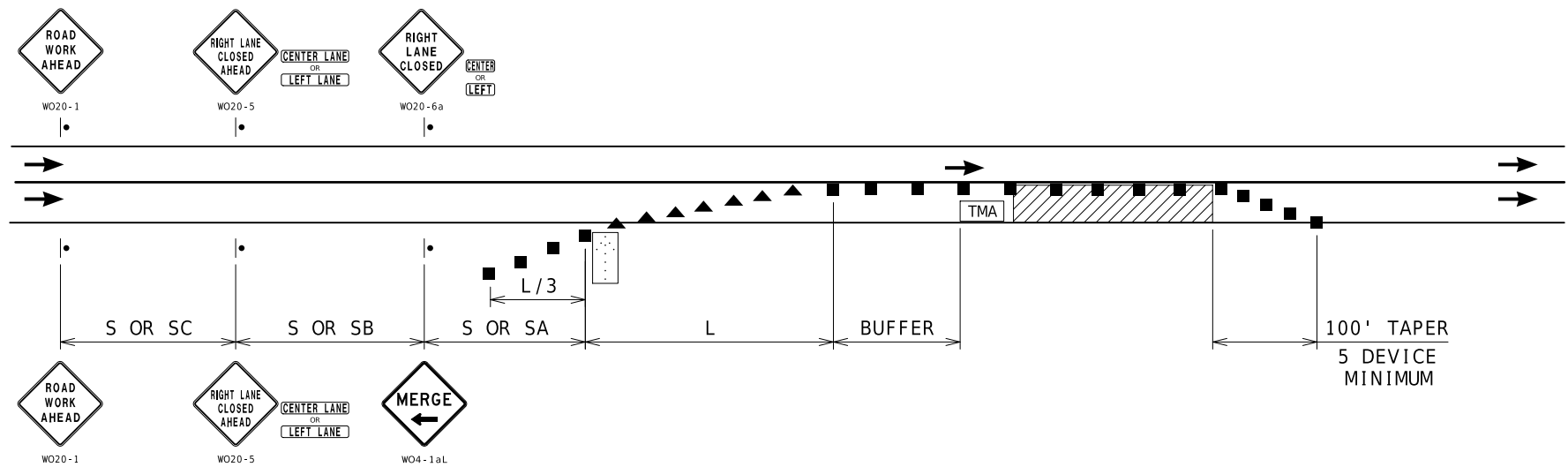
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PROJECT NO.

BRIDGE NO.

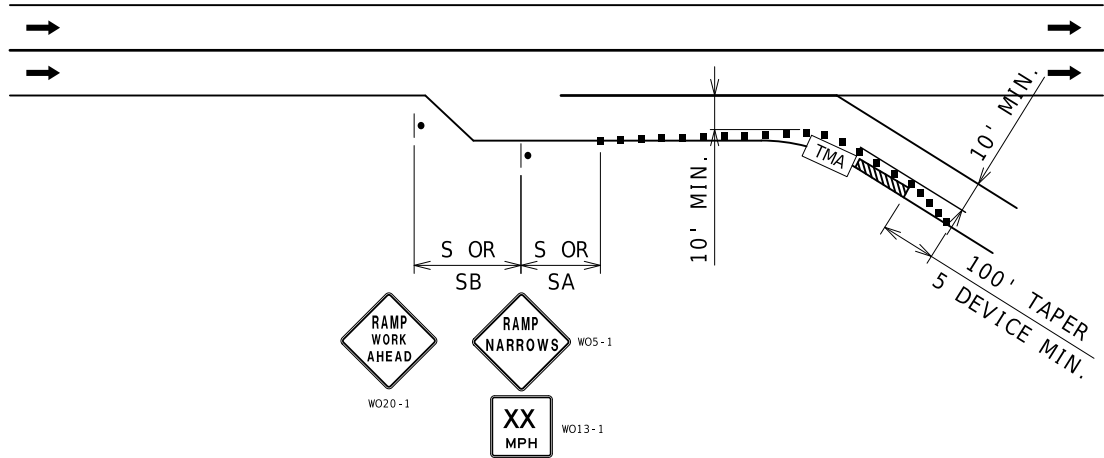
DATE	DESCRIPTION





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

STATE OF MISSOURI

BENJAMIN STEPHEN MCCABE SR.

NUMBER

PE-2003015005

PROFESSIONAL ENGINEER

Benjamin Stephen McCabe Sr.

02/24/2025 1:52:32 PM

BENJAMIN STEPHEN MCCABE SR. - CIVIL

MO-PE-2003015005

DATE PREPARED

2/19/2025

ROUTE

VAR.

DISTRICT

KC

STATE

MO

SHEET NO.

6

COUNTY

VARIOUS

JOB NO.

JKR0163

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 (1-888-273-6636)

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.

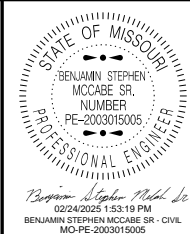
(2) THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUCSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORIST ON THE RAMP.



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'.



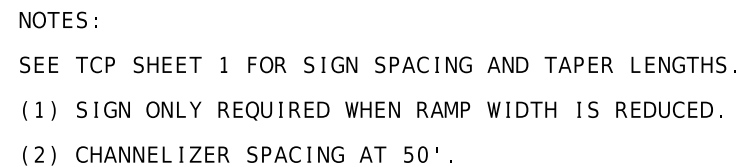
DATE PREPARED					
2/19/2025					
ROUTE		STATE			
VAR.		MO			
DISTRICT		SHEET NO.			
KC		7			
COUNTY					
VARIOUS					
JOB NO.					
JKR0163					
CONTRACT ID.					
PROJECT NO.					
BRIDGE NO.					
DESCRIPTION					
DATE					



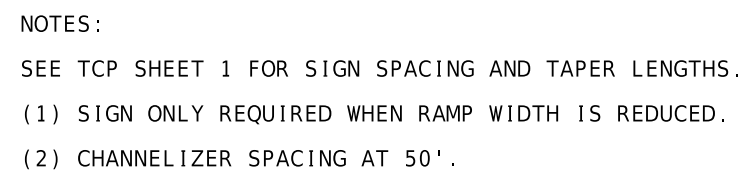
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

TRAFFIC CONTROL
SHEET 6 OF 9

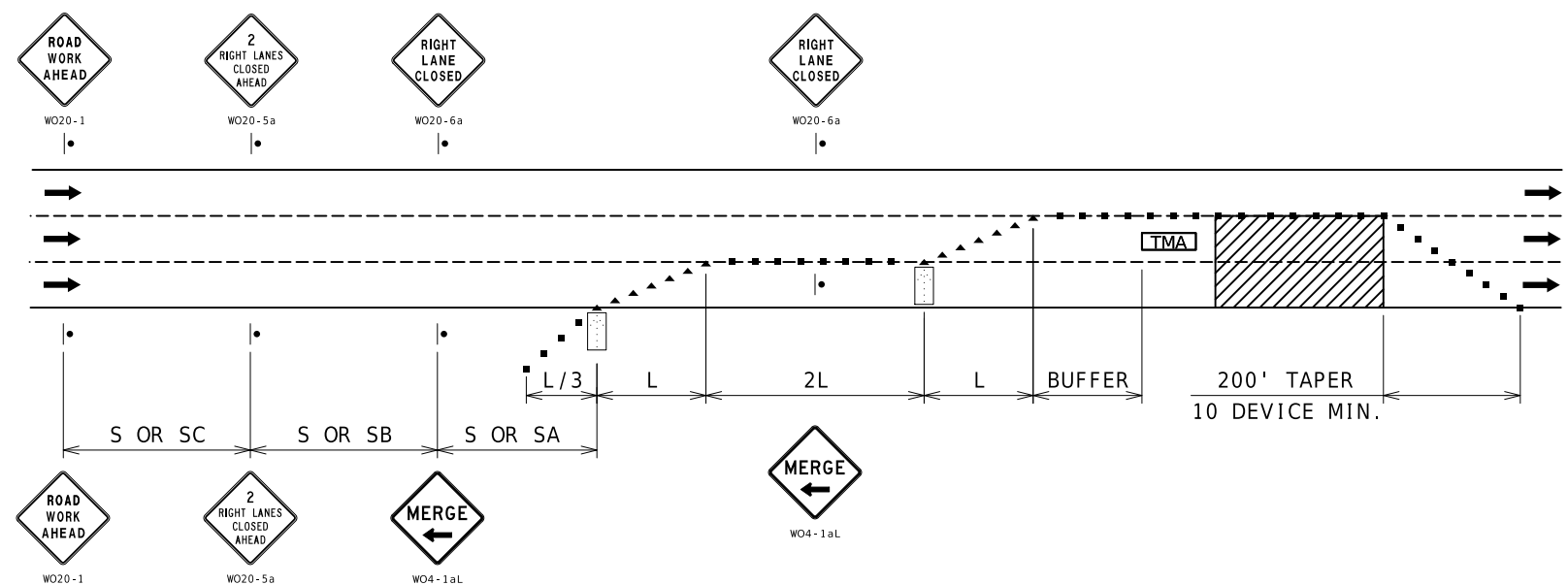


EXIT RAMP AREA MAINLINE WORK



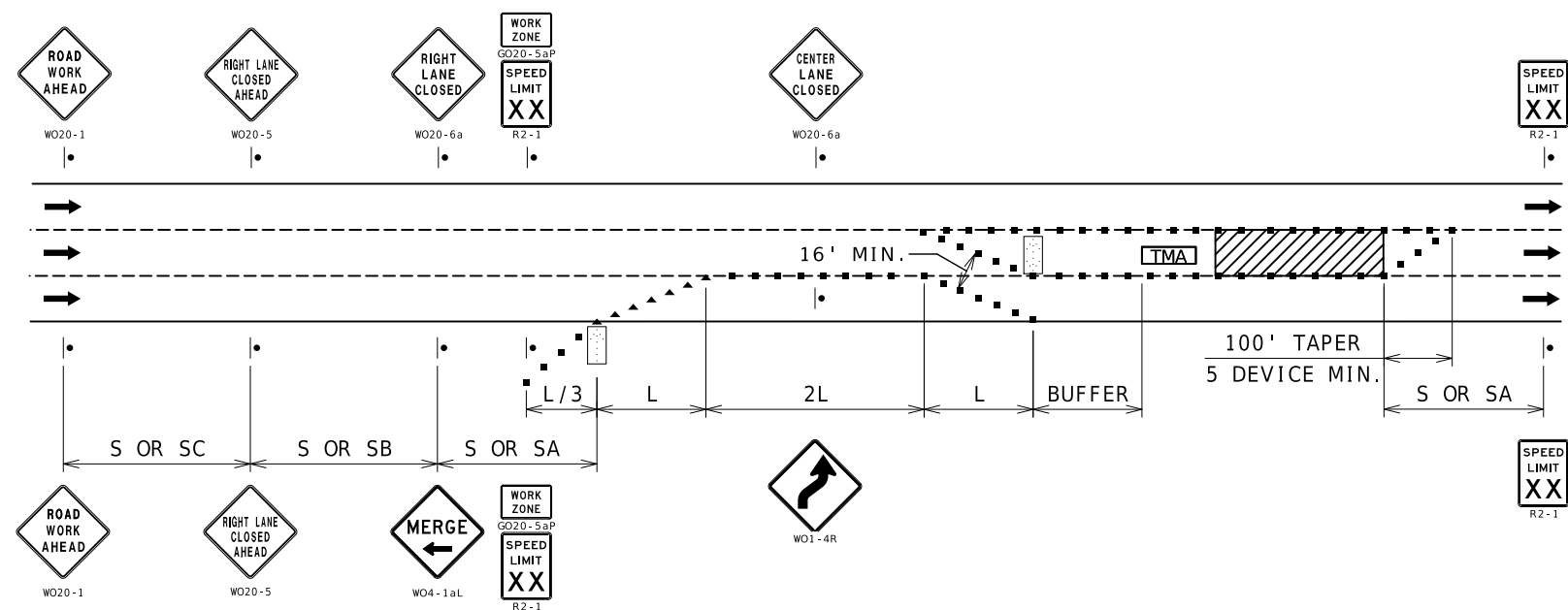
EXIT RAMP AREA DECELERATION LANE WORK





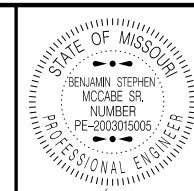
NOTES:
SEE TCP SHEET 1 FOR SIGN SPACING AND TAPER LENGTHS.

DOUBLE LANE CLOSURE



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

INTERIOR LANE CLOSURE



Benjamin Stephen McCabe, Inc.
02/24/2025 1:55:15 PM
BENJAMIN STEPHEN MCCABE SR - CIVIL
MO-PE-2003015005

DATE PREPARED
2/19/2025

ROUTE STATE
VAR. MO

DISTRICT SHEET NO.
KC 10

COUNTY
VARIOUS

JOB NO.
JKR0163

CONTRACT ID.

PROJECT NO.

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