

A.A.D.T. - 2018 = N/A
T = N/A
V = N/A

FUNCTIONAL CLASSIFICATION- VARIOUS

NO RIGHT-OF-WAY ACQUISITION

	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	— O —	— O —
UNDERGROUND TELEPHONE	— T —	— T —
OVERHEAD POWER	— P —	— P —
UNDERGROUND POWER	— G —	— G —
GAS	— W —	— W —
WATER		
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		

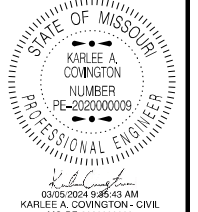
NOTE: DASHED OR OPEN SYMBOLS INDICATE
EXISTING FEATURES

GUARDRAIL AND GUARD CABLE REPAIR
JACKSON, CLAY, PLATTE AND CASS COUNTIES

DESCRIPTION	NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (0 SHEETS)--	N/A
QUANTITIES (QU) (0 SHEETS)-----	N/A
PLAN--PROFILE (PP)-----	N/A
RIGHT OF WAY (RW)-----	N/A
REFERENCE POINTS (RP)-----	N/A
COORDINATE POINTS (CP)-----	N/A
SPECIAL SHEETS (SS)-----	N/A
TRAFFIC CONTROL SHEETS (TC)-----	4-10
EROSION CONTROL SHEETS (EC)-----	N/A
LIGHTING (LT)-----	N/A
SIGNALS (SG)-----	N/A
SIGNING (SN)-----	N/A
PAVEMENT MARKING (PM)-----	N/A
CULVERT SECTIONS (CS)-----	N/A
BRIDGE DRAWINGS (B)	
A####-----	N/A
A####-----	N/A
A####-----	N/A
A####-----	N/A
CROSS SECTIONS (XS)-----	N/A

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



DATE PREPARED
3/5/2024

ROUTE VAR.	STATE MO
DISTRICT KC	SHEET NO. 1

COUNTY
VARIOUS
JOB NO.
JKU0161
CONTRACT ID.


PROJECT NO.

BRIDGE NO.

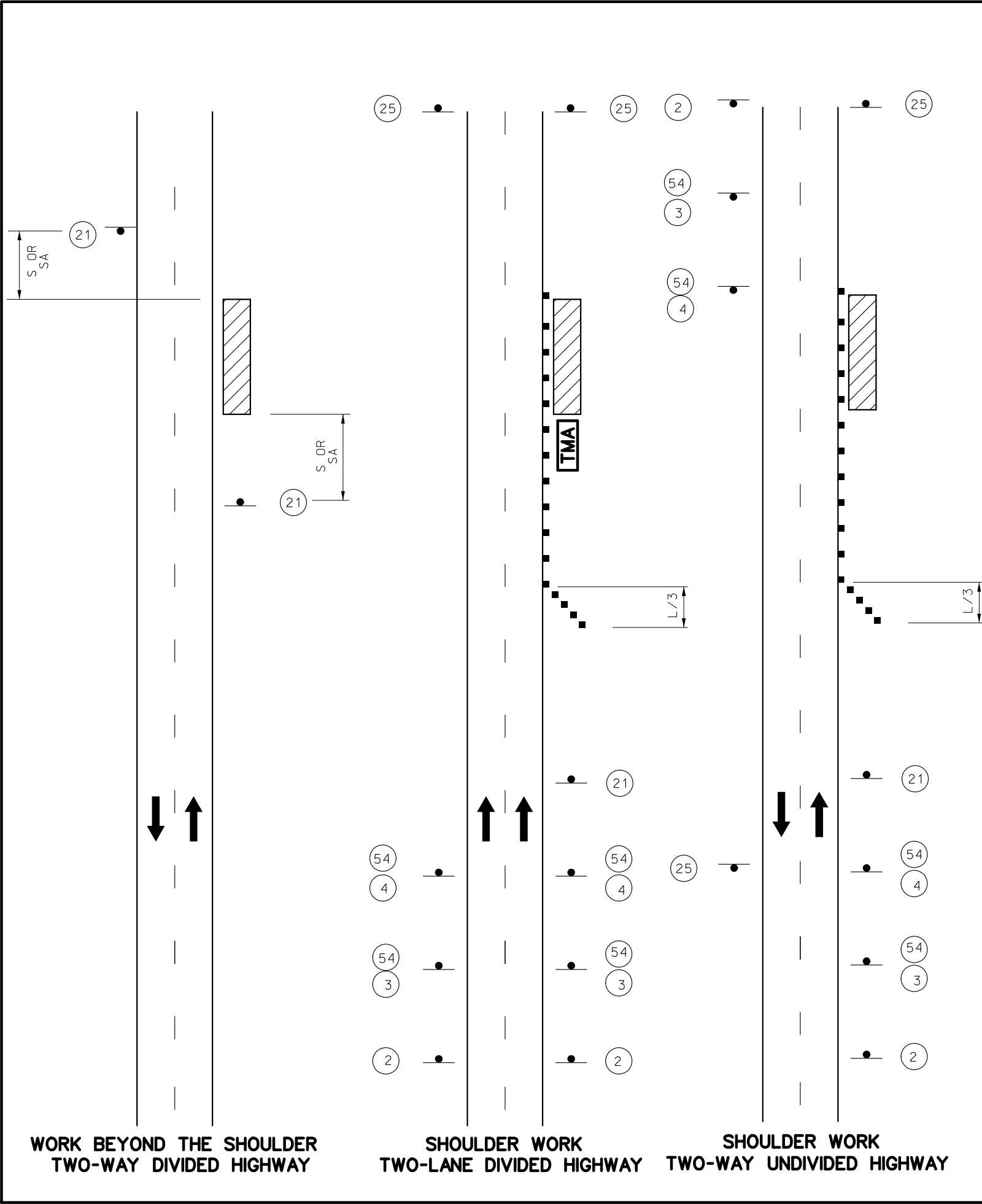
DESCRIPTION

DATE _____

NOI

WAYS AND TR
COMMISSION

**MISSOURI
DEPARTMENT OF
TRANSPORTATION**



WORK BEYOND THE SHOULDER
TWO-WAY DIVIDED HIGHWAY

SHOULDER WORK
TWO-LANE DIVIDED HIGHWAY

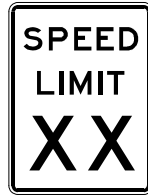
SHOULDER WORK
TWO-WAY UNDIVIDED HIGHWAY



2



3



4



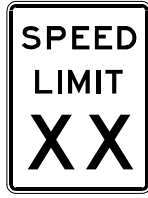
21

SPEED MPH (S)	MINIMUM TAPER LENGTHS (L) FOR LATERAL SHIFTS (W)		MAXIMUM CHANNELIZER SPACING	
		12 FT	THROUGH TAPER	THROUGH WORK AREA
0-35		245 FT	35 FT	40 FT
40-45		540 FT	40 FT	80 FT
50-55		660 FT	50 FT	80 FT
60-70		840 FT	60 FT	120 FT

SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.		
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
SPEED MPH (S)	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	1000 FT	1000 FT

TAPER LENGTH (L)
 $L = W \times S$ FOR 45 MPH OR MORE
 $L = \frac{WS^2}{60}$ FOR 40 MPH OR LESS
L = TAPER LENGTH IN FEET
W = LATERAL SHIFT IN FEET
S = POSTED SPEED PRIOR TO ROAD WORK IN MPH

SPEED REDUCTION	
ACTIVITY LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION WHEN APPLICABLE
10' BEYOND EDGE OF TRAVELWAY TO R/W	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10 FT OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR	



25



54

CHANNELIZERS

NOTES:

FOR TWO-WAY UNDIVIDED HIGHWAYS WHERE NO SPEED REDUCTION IS REQUIRED ALL SIGNS OPPOSITE SHOULDER WORK SHALL BE OMITTED.

NO DIRECT PAYMENT WILL BE MADE FOR DRUM-LIKE, OR TRIM-LINE CHANNELIZERS, OR FOR THE RELOCATION OF CHANNELIZERS AS SHOWN ON THE PLANS.

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.

STATE OF MISSOURI

KARLEE A. CONNINGTON

NUMBER

PE-2020000009

PROFESSIONAL ENGINEER

03/05/2024 9:46:08 AM

KARLEE A. CONNINGTON - CIVIL

MO-PE-2020000009

DATE PREPARED

3/5/2024

ROUTE

VAR.

DISTRICT

KC

STATE

MO

SHEET NO.

4

COUNTY

VARIOUS

JOB NO.

JKU0161

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

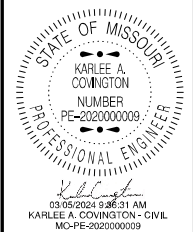
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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



DATE PREPARED
3/5/2024

ROUTE
VAR.
DISTRICT
KC

STATE
MO
SHEET NO.
5

COUNTY
VARIOUS
JOB NO.
JKU0161
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 MPH (S)	MINIMUM TAPER LENGTHS (L) FOR LATERAL SHIFTS (W)			MAXIMUM CHANNELIZER SPACING	
	10 FT	11 FT	12 FT	THROUGH TAPER	THROUGH WORK AREA
0-35	205FT	225FT	245FT	35FT	40FT
40-45	450FT	495FT	540FT	40FT	80 FT
50-55	550FT	605FT	660FT	50FT	80 FT
60-70	700FT	770FT	840FT	60FT	120FT

SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.		
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
SPEED MPH (S)	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	1000 FT	1000 FT

TAPER LENGTH (L)

$L = W \times S$ FOR 45 MPH OR MORE

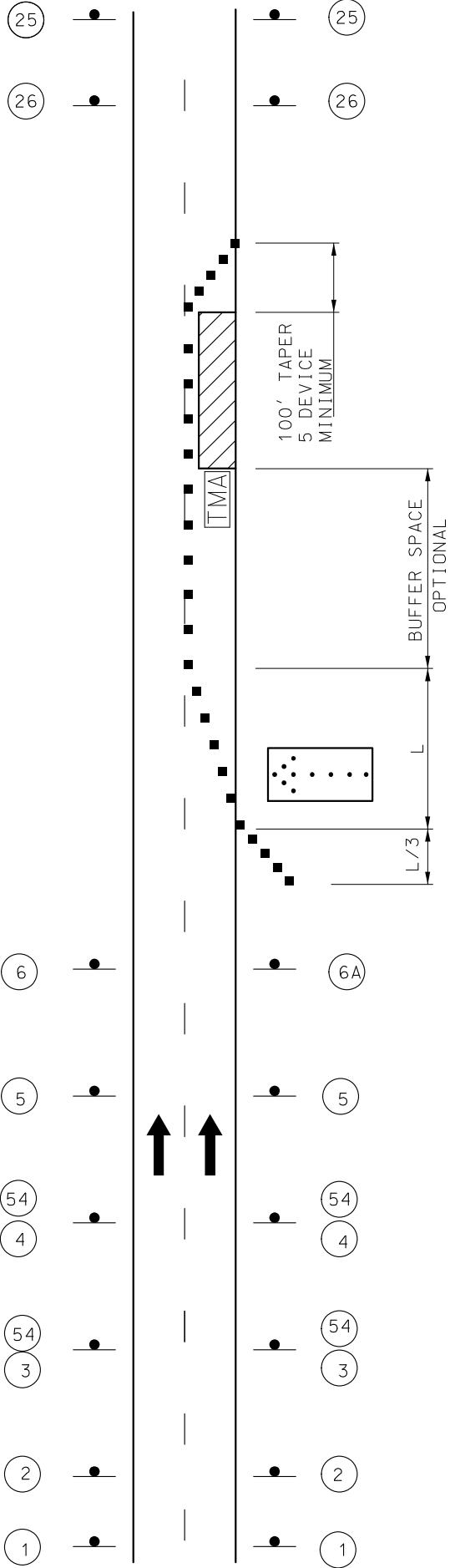
$L = \frac{WS^2}{60}$ FOR 40 MPH OR LESS

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

S = POSTED SPEED PRIOR TO ROAD WORK IN MPH

SPEED REDUCTION	
ACTIVITY LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION WHEN APPLICABLE
10' BEYOND EDGE OF TRAVELWAY TO R/W	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10 FT OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR	



1



2



3



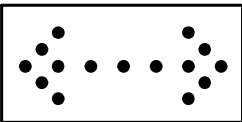
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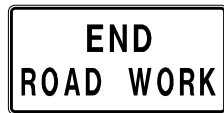
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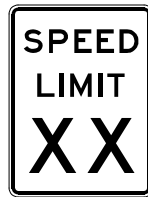
6



FLASHING
ARROW PANEL



26



(NORMAL SPEED)
R2-1
25



CHANNELIZERS



54



W04-1a
6A

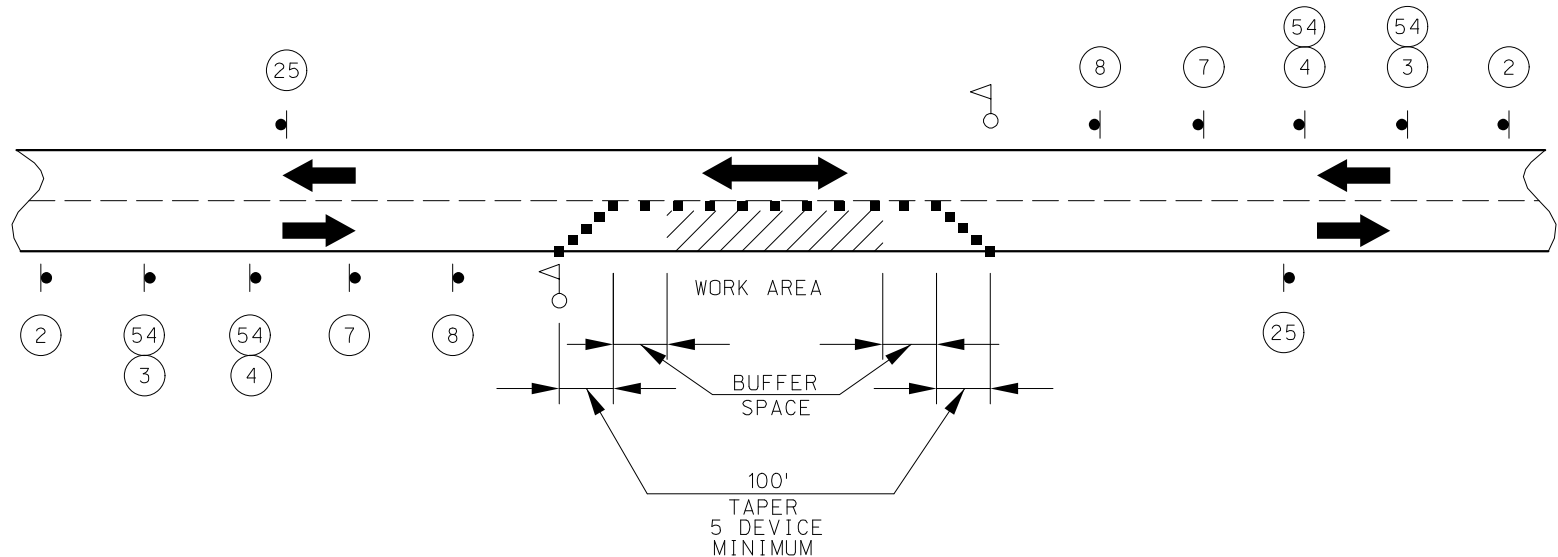
SIGN 1 IS ONLY REQUIRED ON PROJECTS OF 2 MILES OR GREATER IN LENGTH.

SIGN 26 IS USED ON ALL PROJECTS WHERE SIGN 1 IS USED.

NO DIRECT PAYMENT WILL BE MADE FOR DRUM-LIKE, OR TRIM-LINE CHANNELIZERS, OR FOR THE RELOCATION OF CHANNELIZERS AS SHOWN ON THE PLANS.

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.

SINGLE LANE CLOSURE TWO-LANE DIVIDED HIGHWAY



TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES					
SPEED MPH (S)	MINIMUM TAPER LENGTHS (L) FOR LATERAL SHIFTS (W)			MAXIMUM CHANNELIZER SPACING	
	10 FT	11 FT	12 FT	THROUGH TAPER	THROUGH WORK AREA
0-35	205FT	225FT	245FT	35FT	40FT
40-45	450FT	495FT	540FT	40FT	80 FT
50-55	550FT	605FT	660FT	50FT	80 FT
60-70	700FT	770FT	840FT	60FT	120FT

SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.		
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
SPEED MPH (S)	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	1000 FT	1000 FT

TAPER LENGTH (L)
L = W x S FOR 45 MPH OR MORE
L = $\frac{WS^2}{60}$ FOR 40 MPH OR LESS
L = TAPER LENGTH IN FEET
W = LATERAL SHIFT IN FEET
S = POSTED SPEED PRIOR TO ROAD WORK IN MPH

BRIDGE OR RAMP

2

3

4

7

8

25

54

FLAGGER

CHANNELIZERS

NOTES

DAYLIGHT FLAGGING OPERATIONS ONLY.

NO DIRECT PAYMENT WILL BE MADE FOR DRUM-LIKE, OR TRIM-LINE CHANNELIZERS, OR FOR THE RELOCATION OF CHANNELIZERS AS SHOWN ON THE PLANS.

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.

SPEED REDUCTION	
ACTIVITY LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION WHEN APPLICABLE
10' BEYOND EDGE OF TRAVELWAY TO R/W	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10 FT OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR	

TWO-WAY SINGLE LANE CLOSURE
TWO-LANE UNDIVIDED HIGHWAY

DATE PREPARED
3/14/2024

ROUTE
VAR.

DISTRICT
KC

STATE
MO

SHEET NO.
6

COUNTY
VARIOUS

JOB NO.
JKU0161

CONTRACT ID.

PROJECT NO.

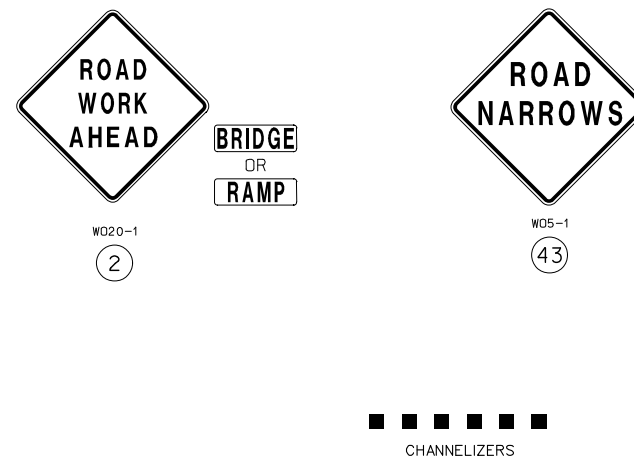
BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



**PARTIAL RAMP CLOSURE
RAMPS ONLY**

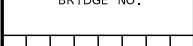
TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES					
SPEED MPH (S)	MINIMUM TAPER LENGTHS (L) FOR LATERAL SHIFTS (W)			MAXIMUM CHANNELIZER SPACING	
	10 FT	11 FT	12 FT	THROUGH TAPER	THROUGH WORK ARE
0-35	205 FT	225 FT	245 FT	35 FT	40 FT
40-45	450 FT	495 FT	540 FT	40 FT	80 FT
50-55	550 FT	605 FT	660 FT	50 FT	80 FT
60-70	700 FT	770 FT	840 FT	60 FT	120 FT

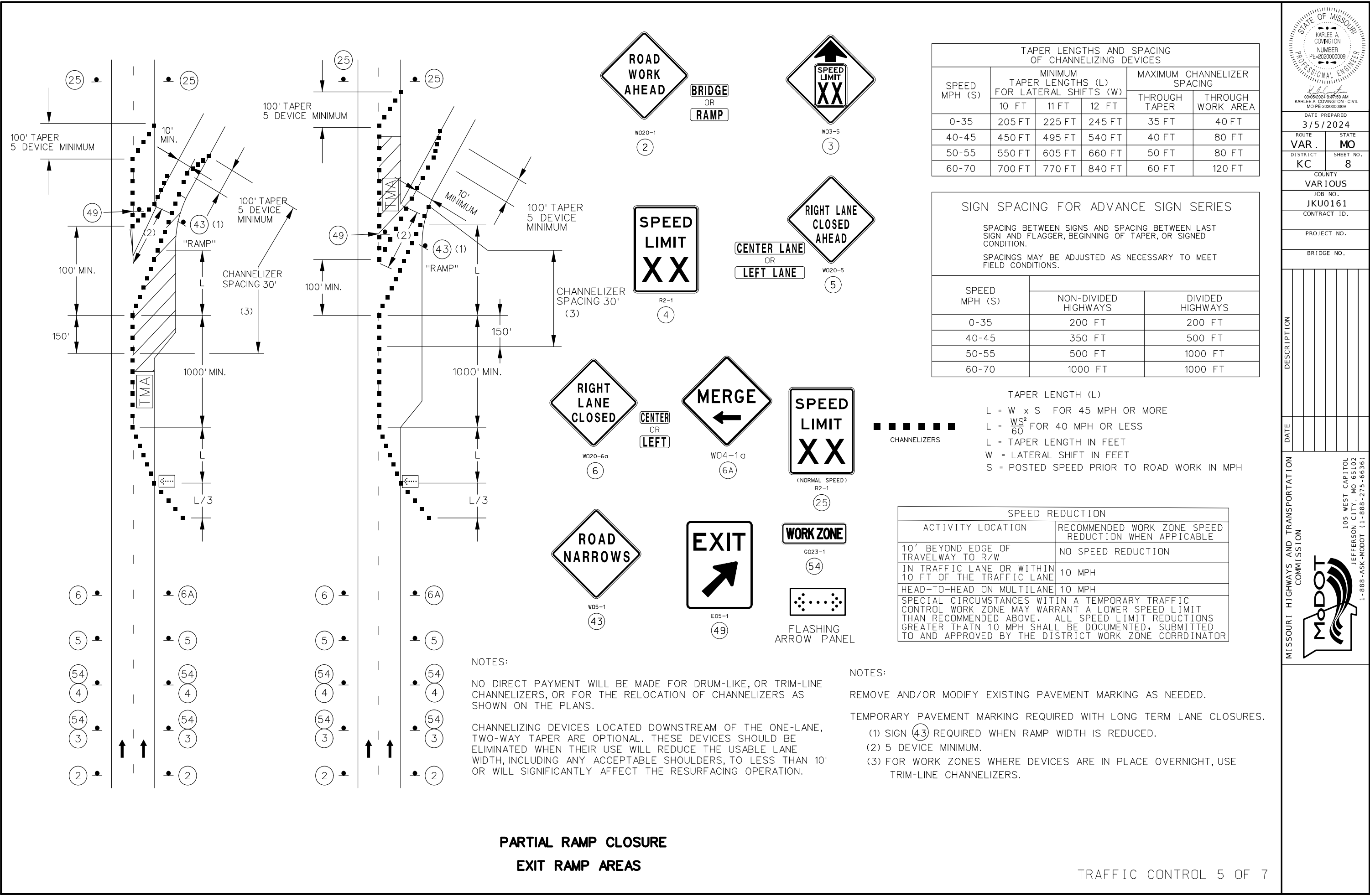
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET
FIELD CONDITIONS.

SPEED MPH (S)		
	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	1000 FT	1000 FT

S = POSTED SPEED PRIOR TO ROAD WORK IN MPH

SPEED REDUCTION	
ACTIVITY LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION WHEN APPLICABLE
10' BEYOND EDGE OF TRAVELWAY TO R/W	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10 FT OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR	

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



**PARTIAL RAMP CLOSURE
EXIT RAMP AREAS**

TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES					
SPEED MPH (S)	MINIMUM TAPER LENGTHS (L) FOR LATERAL SHIFTS (W)			MAXIMUM CHANNELIZER SPACING	
	10 FT	11 FT	12 FT	THROUGH TAPER	THROUGH WORK AREA
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SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.		
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
SPEED MPH (S)	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200 FT	200 FT
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60-70	1000 FT	1000 FT

TAPER LENGTH (L)

L = W x S FOR 45 MPH OR MORE

$L = \frac{WS^2}{60}$ FOR 40 MPH OR LESS

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

S = POSTED SPEED PRIOR TO ROAD WORK IN MPH

SPEED REDUCTION	
ACTIVITY LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION WHEN APPLICABLE
10' BEYOND EDGE OF TRAVELWAY TO R/W	NO SPEED REDUCTION
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STATE OF MISSOURI

KARLEE A. COVINGTON

NUMBER
PE-2020000009

PROFESSIONAL ENGINEER

03/05/2024 9:47:59 AM

KARLEE A. COVINGTON - CIVIL

MO-PE-2020000009

DATE PREPARED

3/5/2024

ROUTE

VAR.

STATE

MO

DISTRICT

KC

SHEET NO.

8

COUNTY

VARIOUS

JOB NO.

JKU0161

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

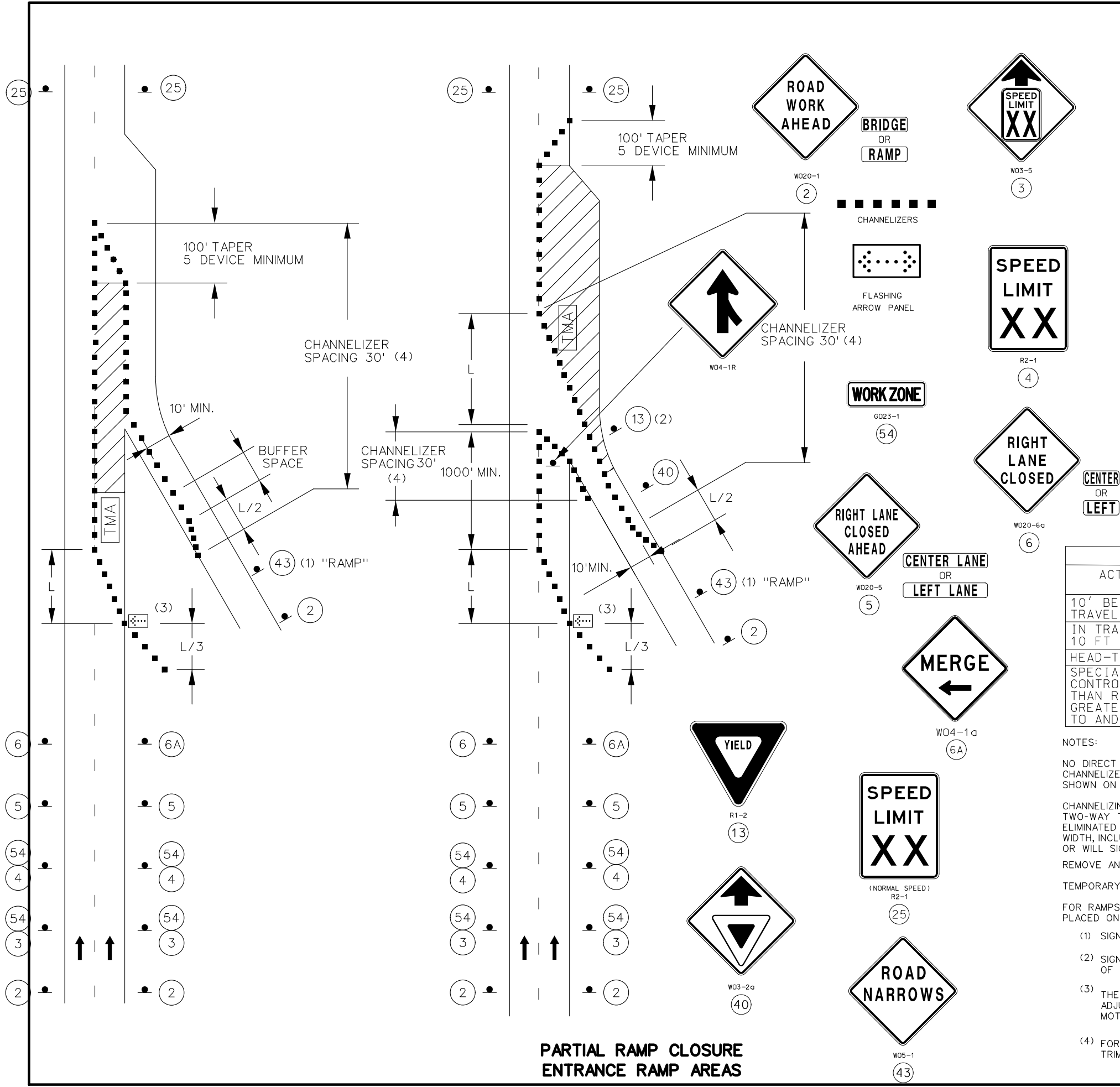
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

MoDOT



TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES					
SPEED MPH (S)	MINIMUM TAPER LENGTHS (L) FOR LATERAL SHIFTS (W)			MAXIMUM CHANNELIZER SPACING	
	10 FT	11 FT	12 FT	THROUGH TAPER	THROUGH WORK AREA
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60-70	700 FT	770 FT	840 FT	60 FT	120 FT

SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.		
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
SPEED MPH (S)	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
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TAPER LENGTH (L)
L = W x S FOR 45 MPH OR MORE
L = $\frac{WS^2}{60}$ FOR 40 MPH OR LESS
L = TAPER LENGTH IN FEET
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SPEED REDUCTION	
ACTIVITY LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION WHEN APPLICABLE
10' BEYOND EDGE OF TRAVELWAY TO R/W	NO SPEED REDUCTION
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SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR	

- NOTES:
- NO DIRECT PAYMENT WILL BE MADE FOR DRUM-LIKE, OR TRIM-LINE CHANNELIZERS, OR FOR THE RELOCATION OF CHANNELIZERS AS SHOWN ON THE PLANS.
- 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.
- 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.
- SIGN 43 REQUIRED WHEN RAMP WIDTH IS REDUCED.
 - SIGN 13 SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC.
 - 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.
 - FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVERNIGHT, USE TRIM-LINE CHANNELIZERS.

STATE OF MISSOURI

KARLEE A. CONINGTON

NUMBER

PE-2020000009

PROFESSIONAL ENGINEER

03/05/2024 10:29:32 AM

KARLEE A. CONINGTON - CIVIL

MO-PE-2020000009

DATE PREPARED

3/5/2024

ROUTE

VAR.

DISTRICT

KC

STATE

MO

SHEET NO.

9

COUNTY

VARIOUS

JOB NO.

JKU0161

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

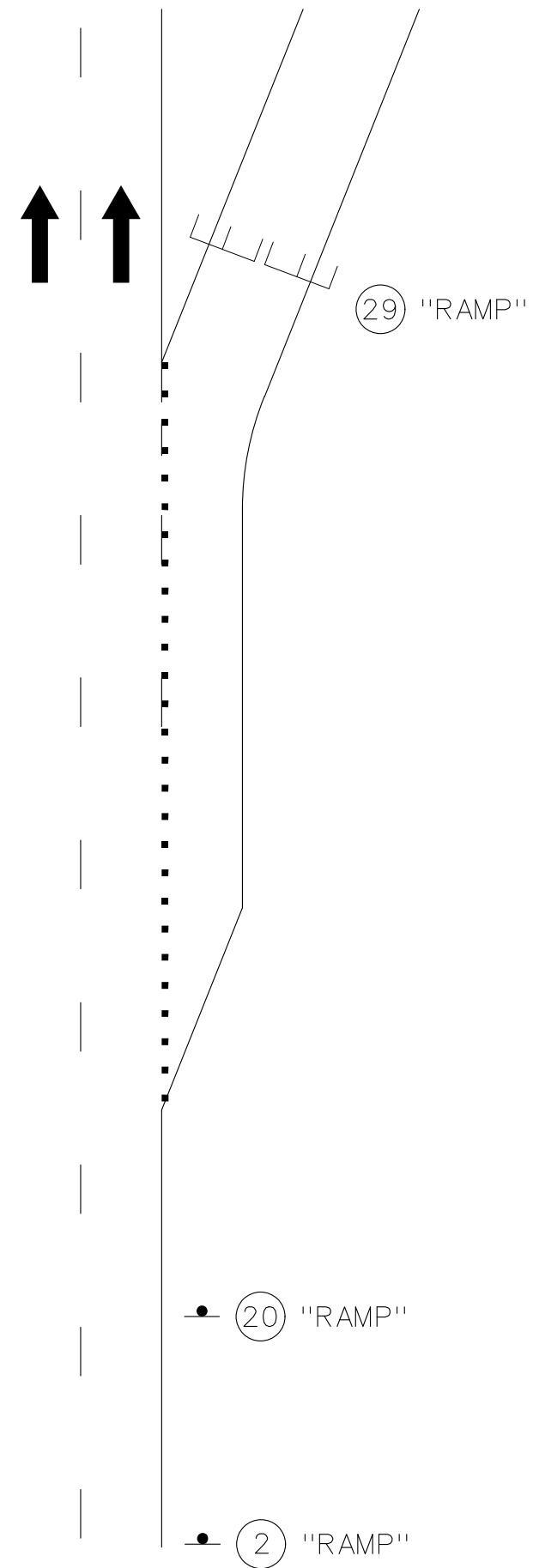
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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



W020-3
(20)



W020-1
(2)

BRIDGE
OR
RAMP



R11-2
(29)



CHANNELIZERS



TYPE III MOVABLE
BARRICADE

NOTES:

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

NO DIRECT PAYMENT WILL BE MADE FOR DRUM-LIKE, OR TRIM-LINE CHANNELIZERS, OR FOR THE RELOCATION OF CHANNELIZERS AS SHOWN ON THE PLANS.

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.

COMPLETE RAMP CLOSURE
RAMPS ONLY

TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES					
SPEED MPH (S)	MINIMUM TAPER LENGTHS (L) FOR LATERAL SHIFTS (W)			MAXIMUM CHANNELIZER SPACING	
	10 FT	11 FT	12 FT	THROUGH TAPER	THROUGH WORK AREA
0-35	205 FT	225 FT	245 FT	35 FT	40 FT
40-45	450 FT	495 FT	540 FT	40 FT	80 FT
50-55	550 FT	605 FT	660 FT	50 FT	80 FT
60-70	700 FT	770 FT	840 FT	60 FT	120 FT

SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.		
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
SPEED MPH (S)		
	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	1000 FT	1000 FT

TAPER LENGTH (L)
L = W x S FOR 45 MPH OR MORE
L = $\frac{WS^2}{60}$ FOR 40 MPH OR LESS
L = TAPER LENGTH IN FEET
W = LATERAL SHIFT IN FEET
S = POSTED SPEED PRIOR TO ROAD WORK IN MPH

STATE OF MISSOURI

KARLEE A. CONNINGTON

NUMBER
PE-2020000009

PROFESSIONAL ENGINEER

03/05/2024 9:48:53 AM
KARLEE A. CONNINGTON - CIVIL
MO-PE-2020000009

DATE PREPARED
3/5/2024

ROUTE
VAR.

DISTRICT
KC

STATE
MO

SHEET NO.
10

COUNTY
VARIOUS

JOB NO.
JKU0161

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)