

DESIGN DESIGNATION

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

FUNCTIONAL CLASSIFICATION- VARIOUS

NO RIGHT-OF-WAY ACQUISITION

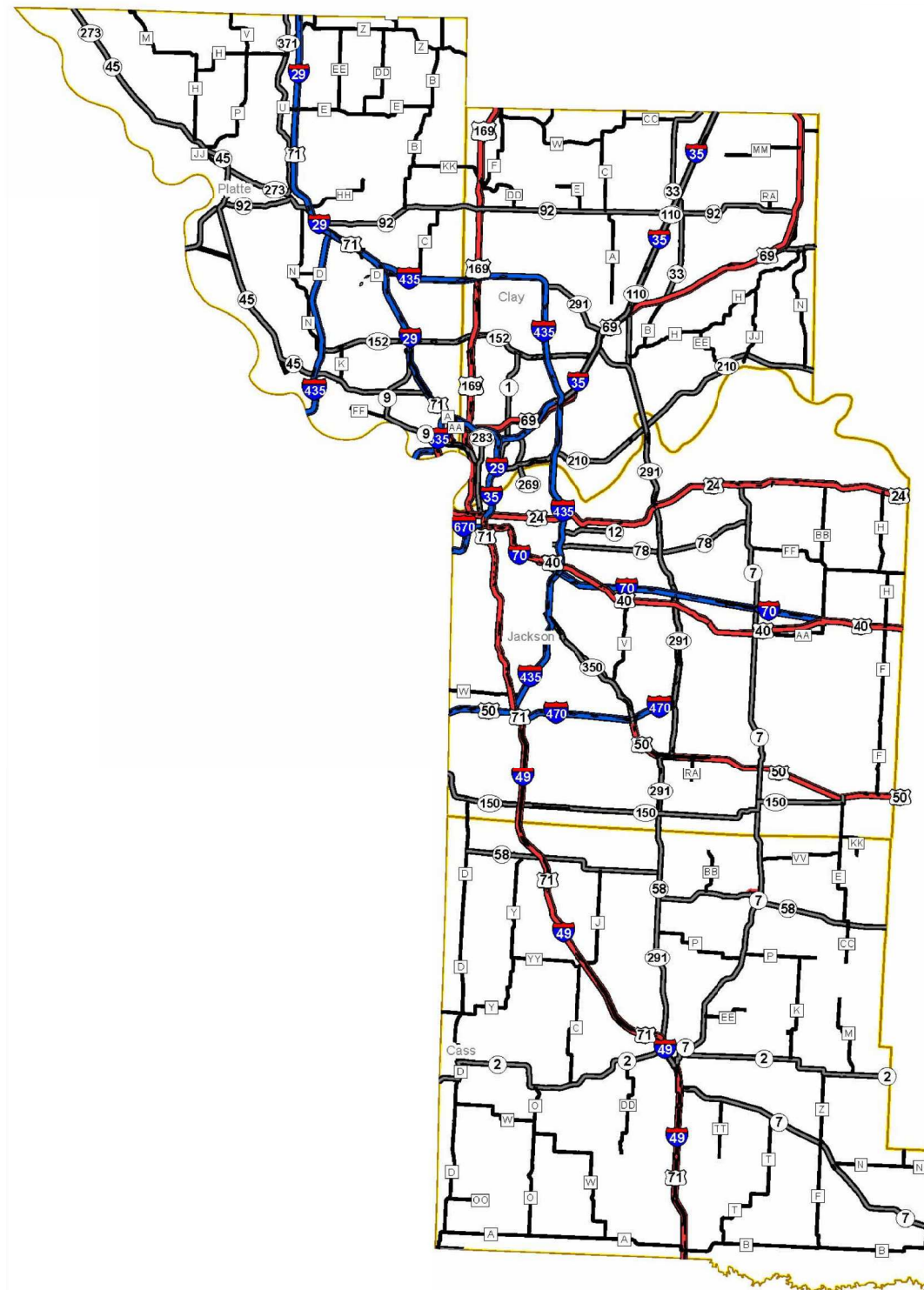
CONVENTIONAL SYMBOLS

(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS		
OVERHEAD TELEPHONE		
UNDERGROUND TELEPHONE		
OVERHEAD POWER		
UNDERGROUND POWER		
GAS		
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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY VARIOUS COUNTIES



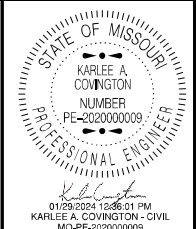
LIGHTING REPAIR JOC
(INSIDE MARC BOUNDARY)

INDEX OF SHEETS

DESCRIPTION	SHEET 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

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

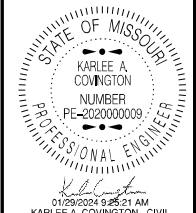


DATE PREPARED
1/29/2024
ROUTE STATE
VAR. MO
DISTRICT SHEET NO.
KC 1
COUNTY
VARIOUS
JOB NO.
J413174
CONTRACT ID.

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)



DATE PREPARED
1/26/2024

ROUTE STATE
 VAR. MO

DISTRICT SHEET NO.
 KC 4

COUNTY
 VARIOUS

JOB NO.
 J413174

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

SPEED MPH (S)	MINIMUM TAPER LENGTHS (L)		MAXIMUM CHANNELIZER SPACING	
	FOR LATERAL SHIFTS (W)		THROUGH TAPER	THROUGH WORK AREA
0-35		12 FT	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

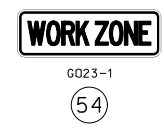
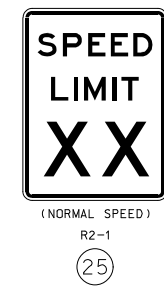
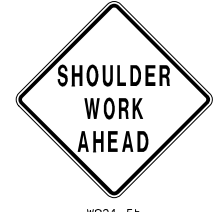
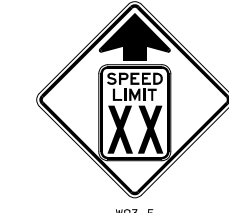
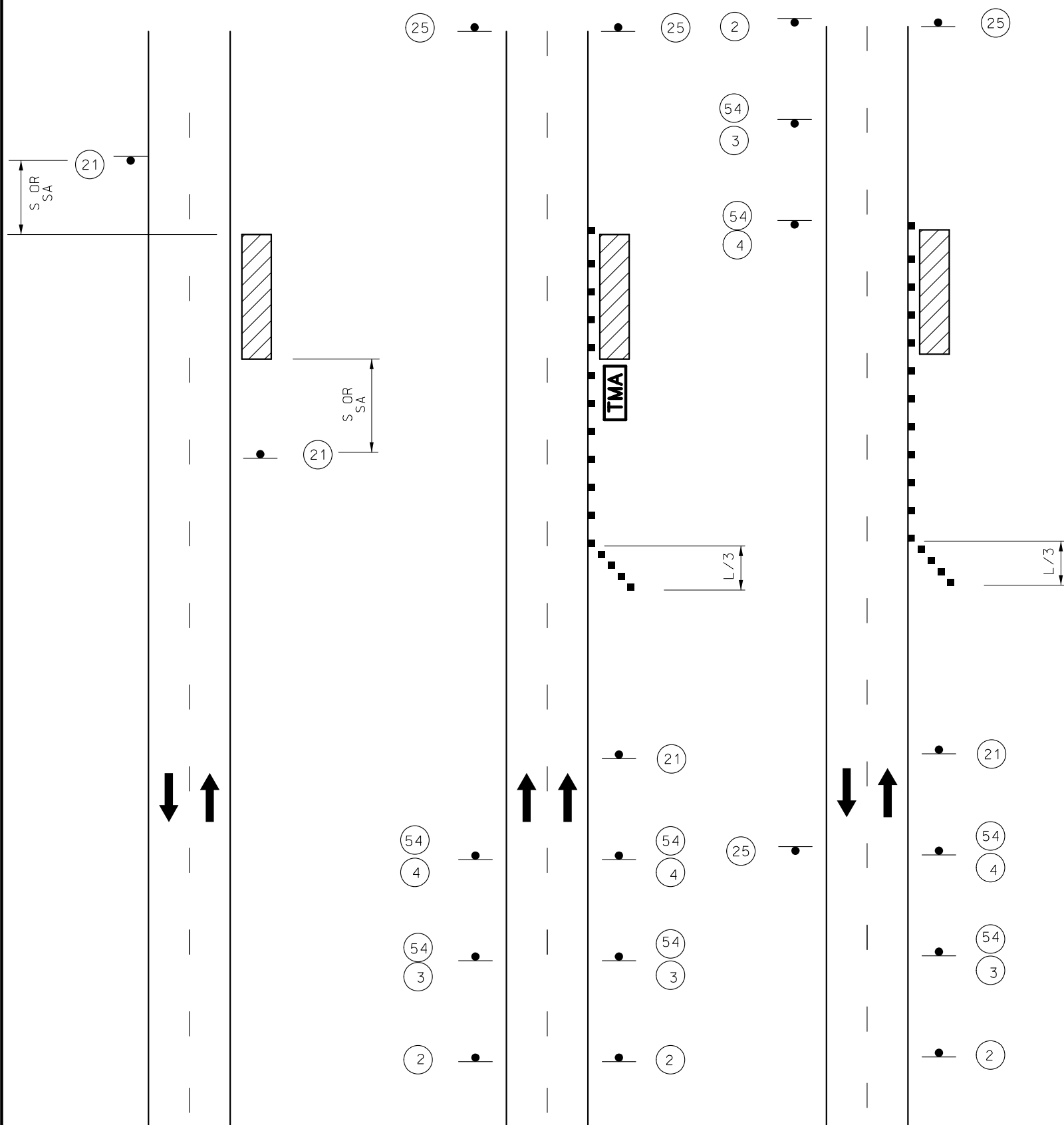
TAPER LENGTH (L)

$L = W \times S$ 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

ACTIVITY (I.E WORKERS, EQUIPMENT OR MATERIALS) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT BEYOND EDGE OF TRAVELWAY TO EDGE OR RIGHT OF WAY	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 RECOMMEND ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.



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.

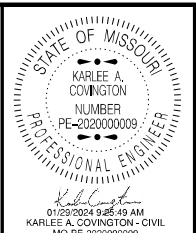
CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

WORK BEYOND THE SHOULDER TWO-WAY DIVIDED HIGHWAY **SHOULDER WORK TWO-LANE DIVIDED HIGHWAY** **SHOULDER WORK TWO-WAY UNDIVIDED HIGHWAY**

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED
1/26/2024

ROUTE STATE
VAR. MO

DISTRICT SHEET NO.
KC 5

COUNTY
VARIOUS

JOB NO.
J413174

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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	80FT
50-55	550FT	605FT	660FT	50FT	80FT
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

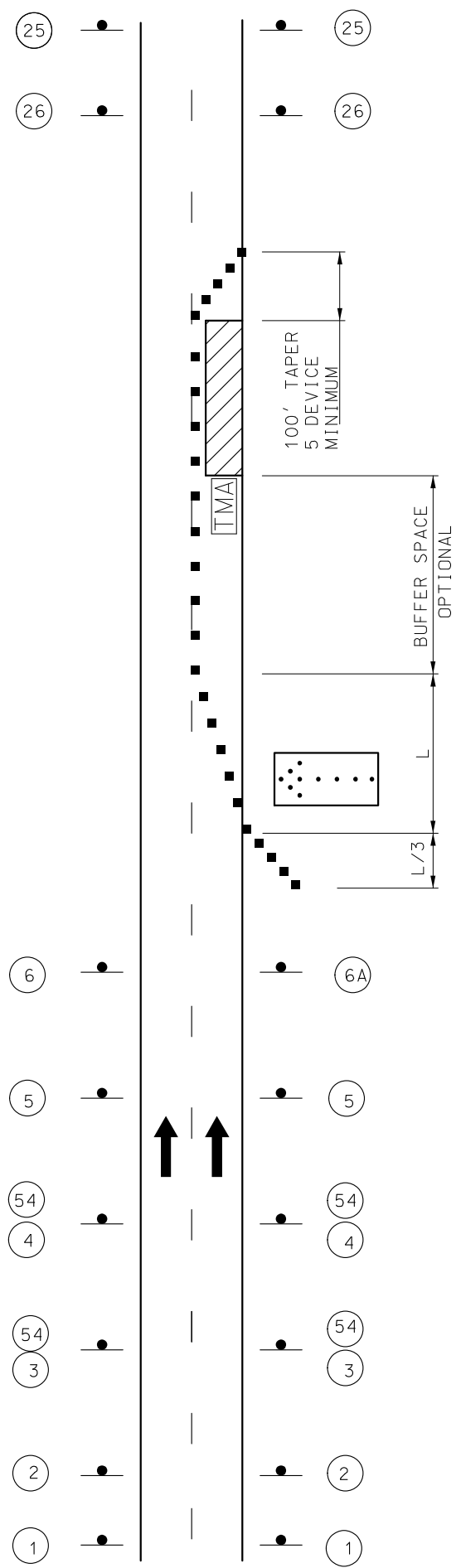
SPEED REDUCTION	
ACTIVITY (I.E WORKERS, EQUIPMENT OR MATERIALS) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT BEYOND EDGE OF TRAVELWAY TO EDGE OR RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH

SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMEND ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.

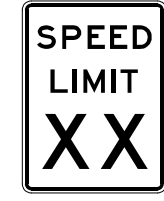
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

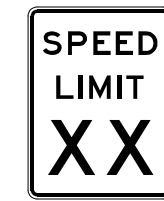
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



G020-1
①



R2-1
④



(NORMAL SPEED)
R2-1
②5



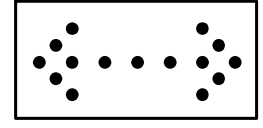
W04-1a
⑥A



W020-1
②



W020-5
⑤



FLASHING
ARROW PANEL



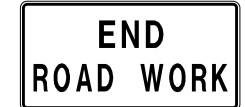
CHANNELIZERS



W03-5
③



W020-6a
⑥



G020-2
②6



G023-1
⑤4

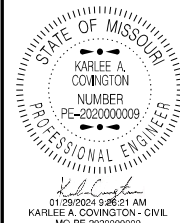
SIGN ① IS ONLY REQUIRED ON PROJECTS OF 2 MILES OR GREATER IN LENGTH.

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**



DATE PREPARED
1/26/2024

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
KC	6

COUNTY
VARIOUS

JOB NO.
J413174

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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.

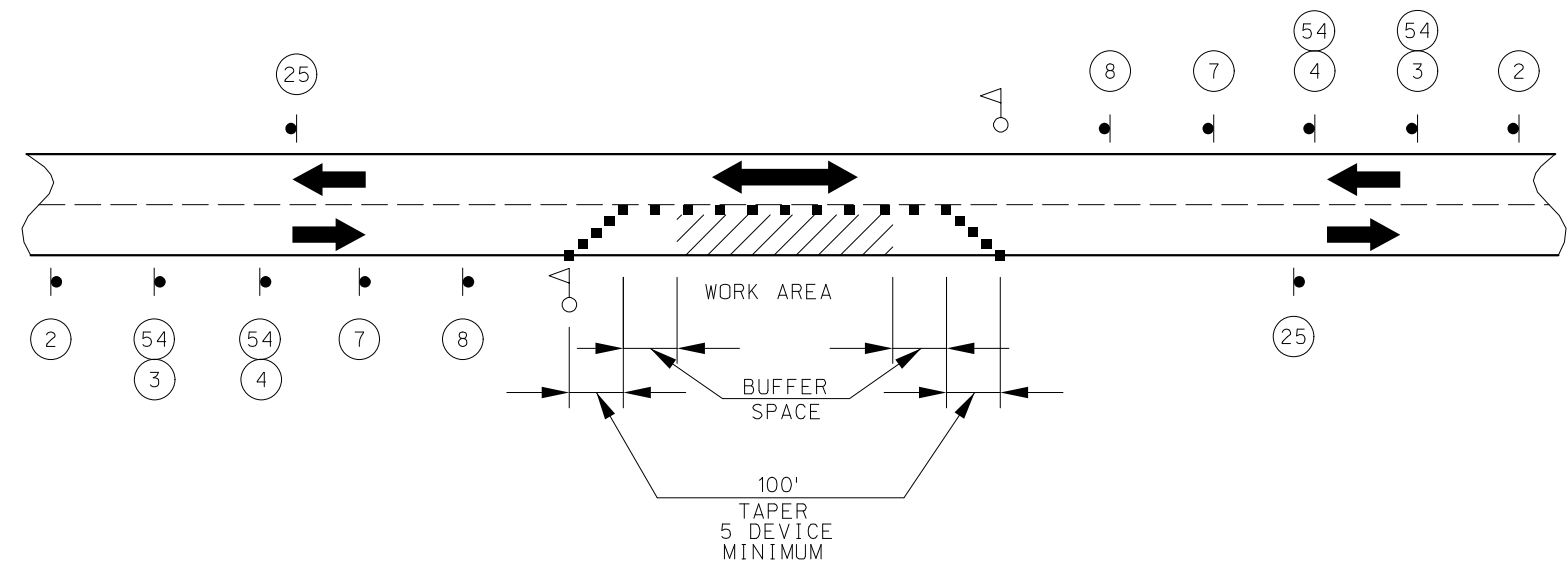
SPEED MPH (S)	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	1000 FT	1000 FT

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



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 (I.E. WORKERS, EQUIPMENT OR MATERIALS) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT BEYOND EDGE OF TRAVELWAY TO EDGE OR RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10FT. 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 RECOMMEND ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.	

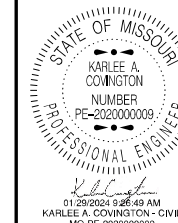
**TWO-WAY SINGLE LANE CLOSURE
TWO-LANE UNDIVIDED HIGHWAY**

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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



DATE PREPARED
1/26/2024

ROUTE STATE
VAR. MO
DISTRICT SHEET NO.
KC 7

COUNTY
VARIOUS

JOB NO.
J413174

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

COMMISSION

STATE

ROUTE

DISTRICT

SHEET NO.

CONTRACT ID.

JOB NO.

VARIOUS

COUNTY

KC

DISTRICT

VAR.

STATE

MO

ROUTE

1/26/2024

DATE PREPARED

PROFESSIONAL ENGINEER

KARLEE A. COVINGTON

NUMBER

PE-202000009

STATE OF MISSOURI

SPEED MPH (S)	TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES				
	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
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

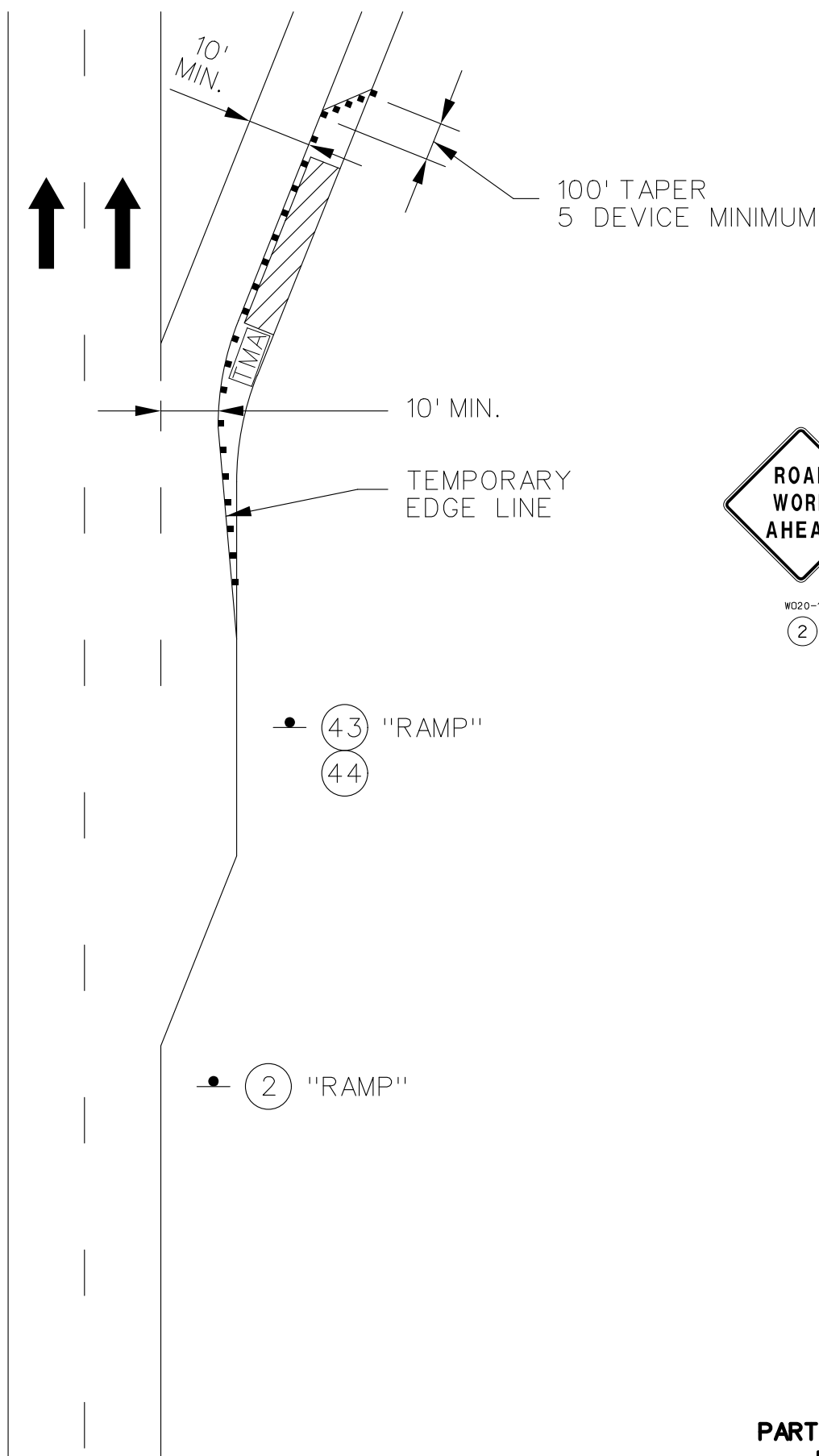
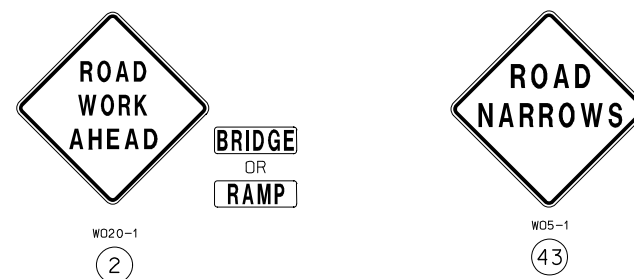
L = $\frac{WS^2}{60}$ FOR 40 MPH OR LESS

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

S = POSTED SPEED PRIOR TO ROAD WORK IN MPH

SPEED REDUCTION	
ACTIVITY (I.E WORKERS, EQUIPMENT OR MATERIALS) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT BEYOND EDGE OF TRAVELWAY TO EDGE OR RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10FT. 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 RECOMMEND ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.	



NOTES:

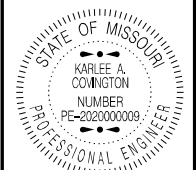
REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

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.

**PARTIAL RAMP CLOSURE
RAMPS ONLY**



DATE PREPARED
1/26/2024
ROUTE
VAR.
DISTRICT
KC

STATE
MO
SHEET NO.
8

COUNTY
VARIOUS
JOB NO.
J413174
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)

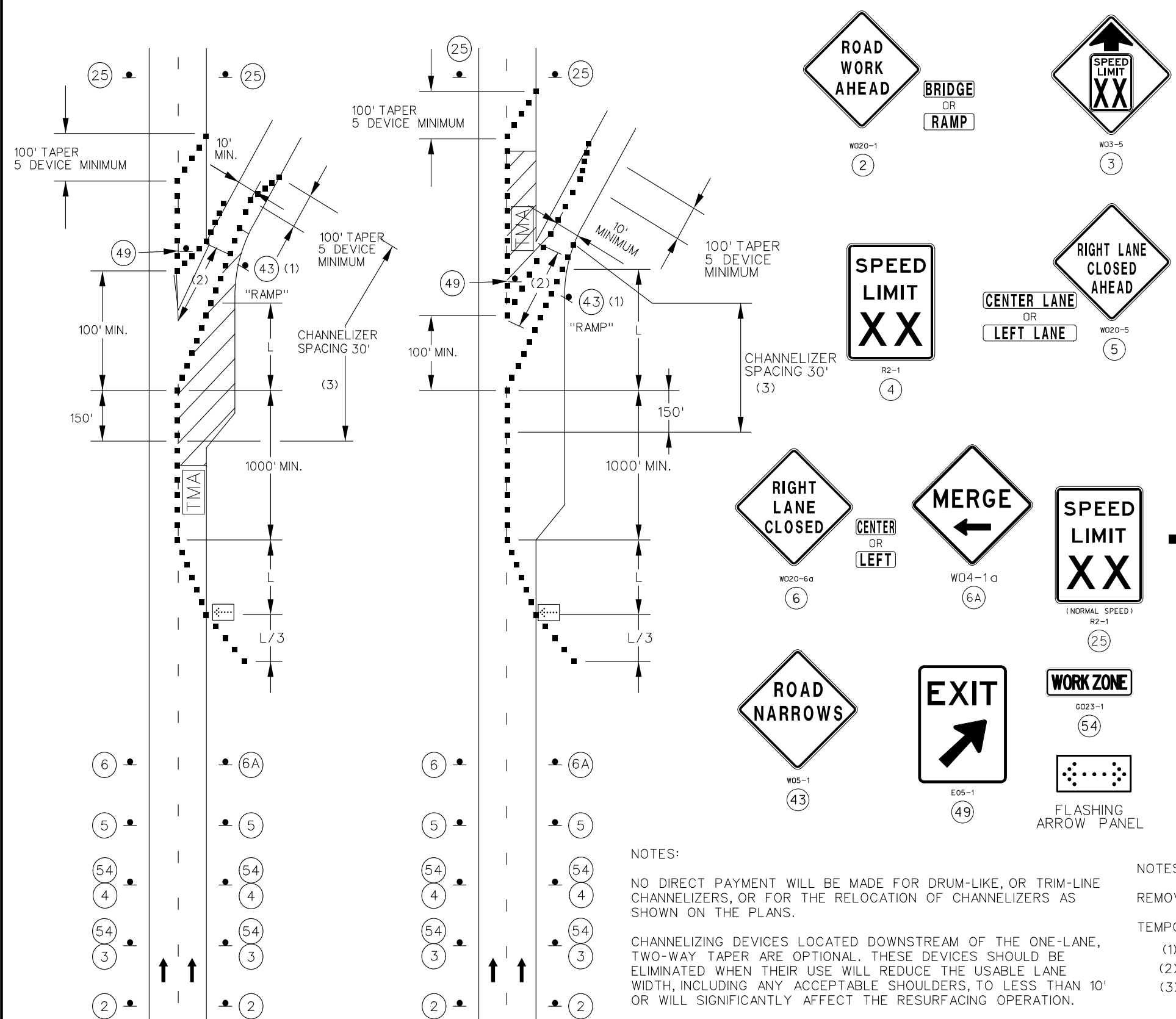
SPEED MPH (S)	MINIMUM TAPER LENGTHS (L) FOR LATERAL SHIFTS (W)			MAXIMUM CHANNELIZER SPACING	
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50-55	550 FT	605 FT	660 FT	50 FT	80 FT
60-70	700 FT	770 FT	840 FT	60 FT	120 FT

SPEED MPH (S)	SIGN SPACING FOR ADVANCE SIGN SERIES	
	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

ACTIVITY (I.E WORKERS, EQUIPMENT OR MATERIALS) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT BEYOND EDGE OF TRAVELWAY TO EDGE OR RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH

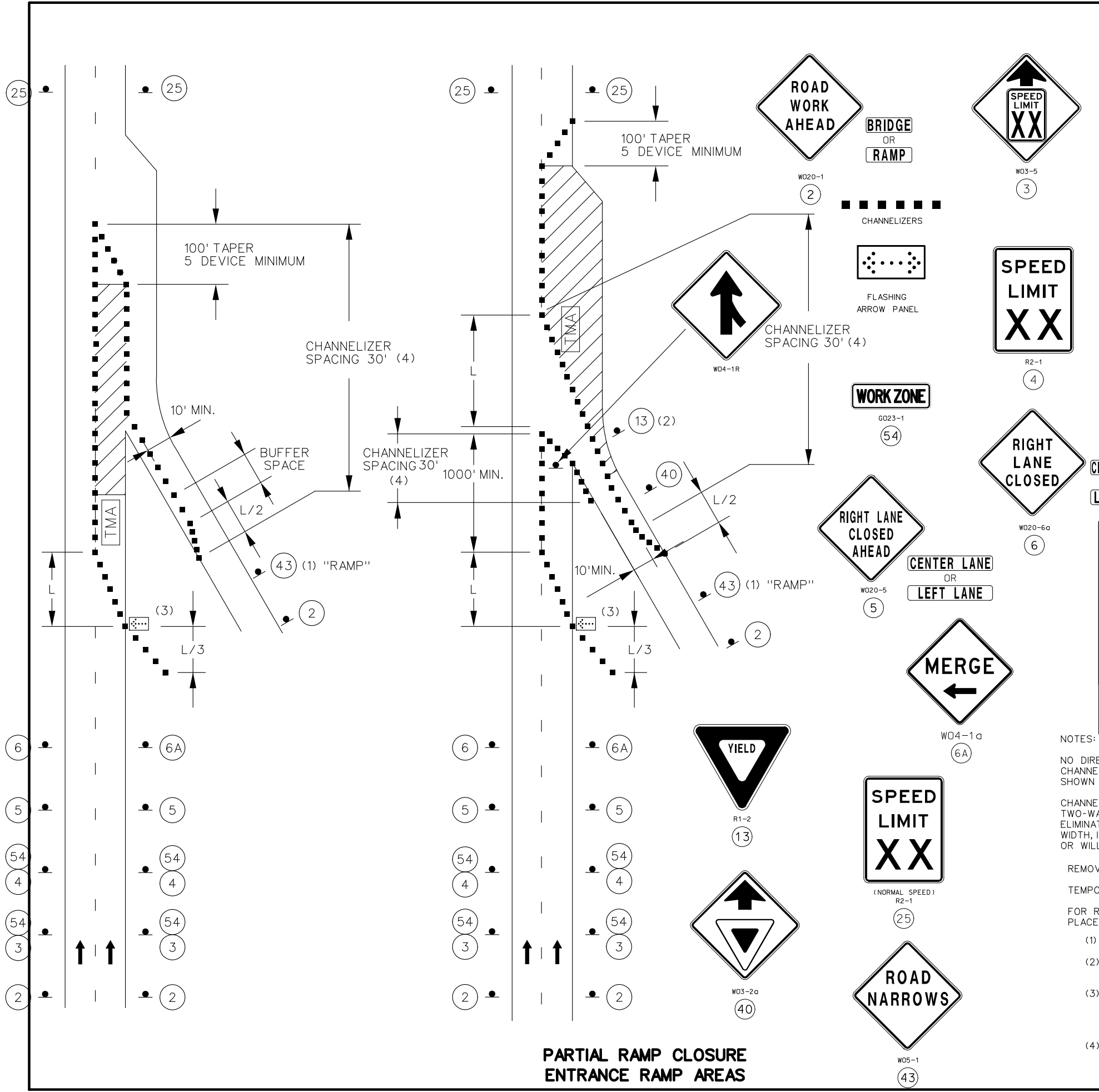
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NOTES:
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 CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE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

NOTES:
 REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
 TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
 (1) SIGN (43) REQUIRED WHEN RAMP WIDTH IS REDUCED.
 (2) 5 DEVICE MINIMUM.
 (3) FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVERNIGHT, USE TRIM-LINE CHANNELIZERS.

**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
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

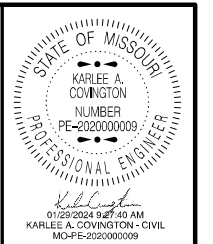
SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION.		
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
SPEED MPH (S)	TAPER LENGTH (L)	
	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200 FT	200 FT
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

SPEED REDUCTION	
ACTIVITY (I.E WORKERS, EQUIPMENT OR MATERIALS) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT BEYOND EDGE OF TRAVELWAY TO EDGE OR RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10FT. 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 RECOMMEND ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.

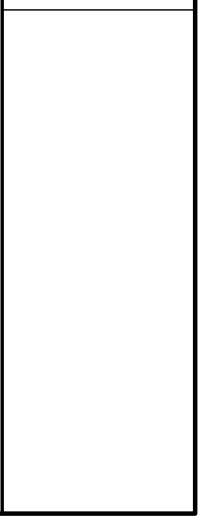
- NOTES:
- NO DIRECT PAYMENT WILL BE MADE FOR DRUM-LIKE, OR TRIM-LINE CHANNELIZERS, OR FOR THE RELOCATION OF CHANNELIZERS AS SHOWN ON THE PLANS.
 - CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE 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 RAMPS 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.



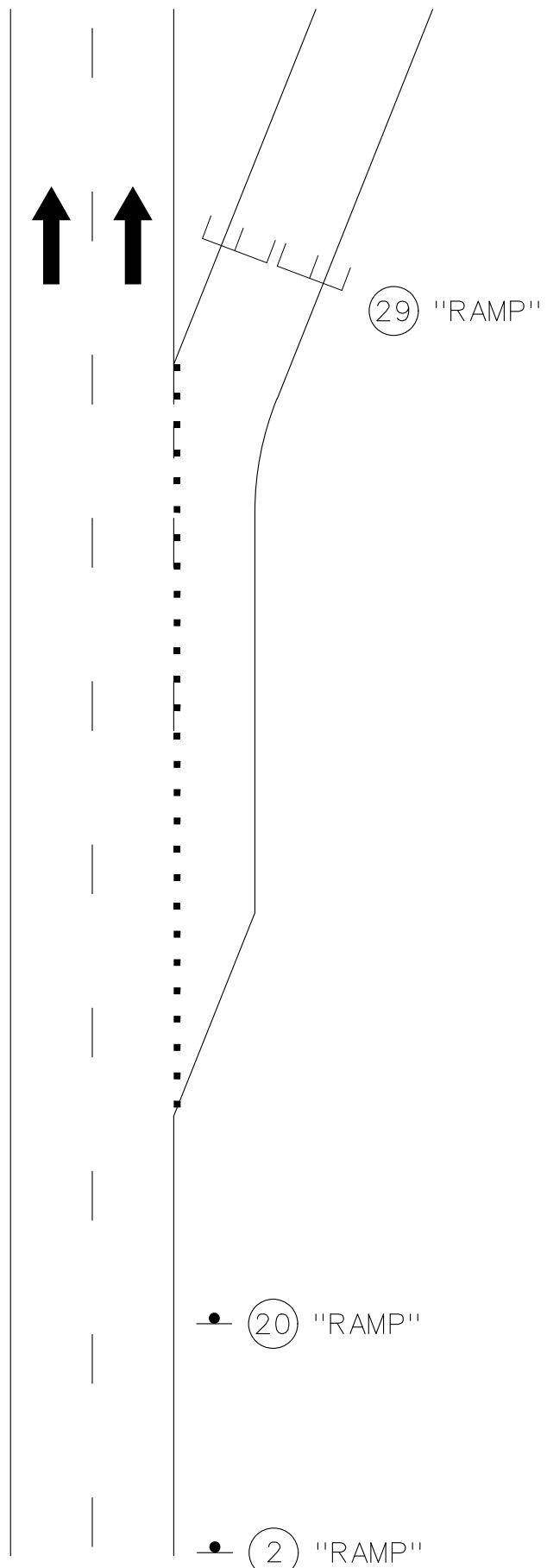
DATE PREPARED: 1/26/2024
 ROUTE: VAR. STATE: MO
 DISTRICT: KC SHEET NO.: 9
 COUNTY: VARIOUS
 JOB NO.: J413174
 CONTRACT ID: [Blank]
 PROJECT NO.: [Blank]
 BRIDGE NO.: [Blank]

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 ENTRANCE RAMP AREAS



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.

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**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)	TAPER LENGTH (L)	
	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

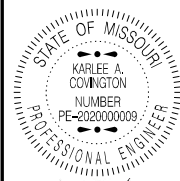
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01/29/2024 12:05:14 PM
KARLEE A. CONINGTON - CIVIL
MO-PE-202000009

DATE PREPARED
1/29/2024

ROUTE STATE
VAR. MO

DISTRICT SHEET NO.
KC 10

COUNTY
VARIOUS

JOB NO.
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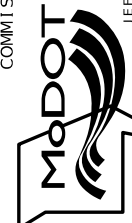
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