

DESIGN DESIGNATION

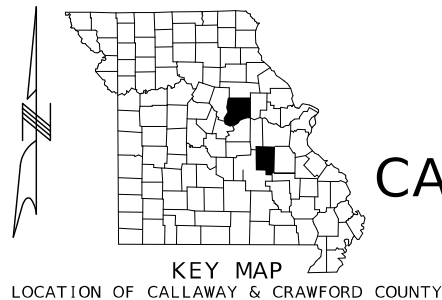
US 54:
 A.A.D.T. - 2024 = 16,523
 V = 70 M.P.H.
 FUNCTIONAL CLASSIFICATION- FREEWAY/EXPRESSWAY

ROUTE HH:
 A.A.D.T. - 2024 = 86
 V = 55 M.P.H.
 FUNCTIONAL CLASSIFICATION- MINOR COLLECTOR

NO NEW R/W REQUIRED

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED STATE HIGHWAY

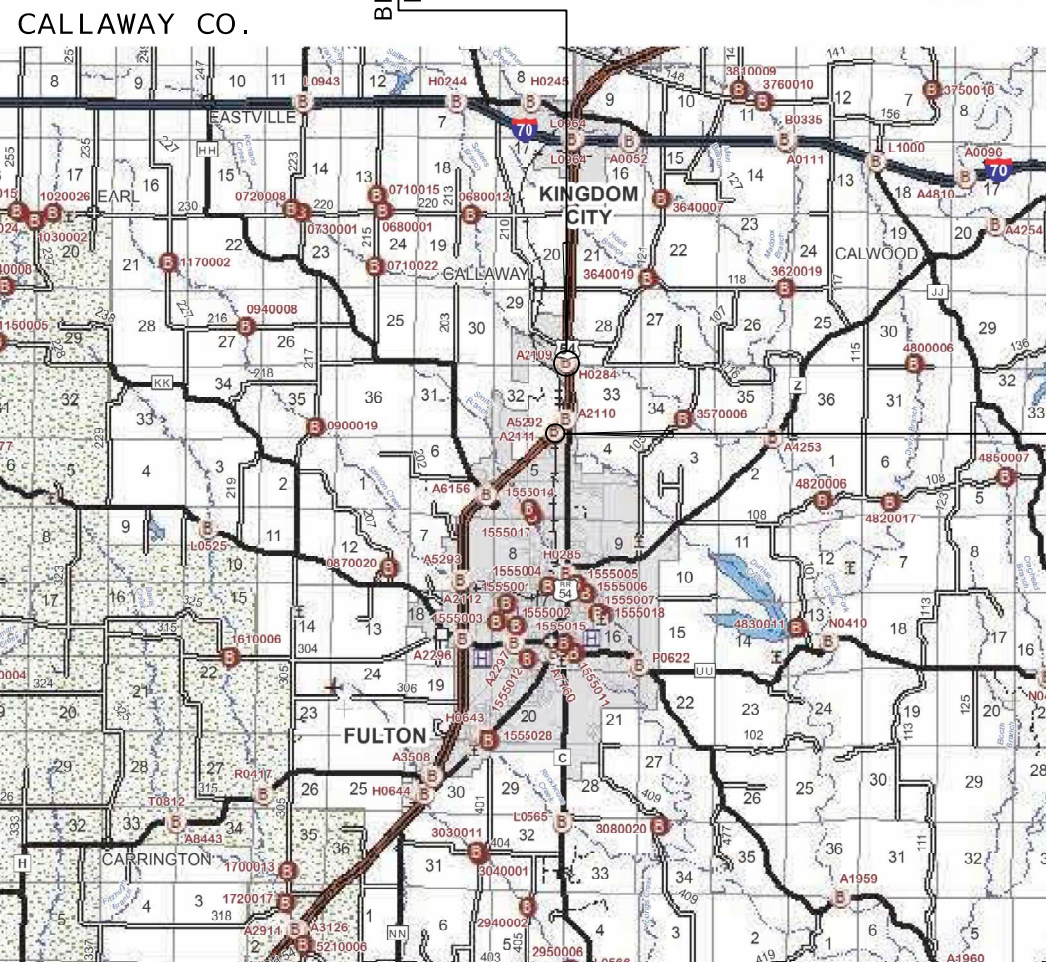
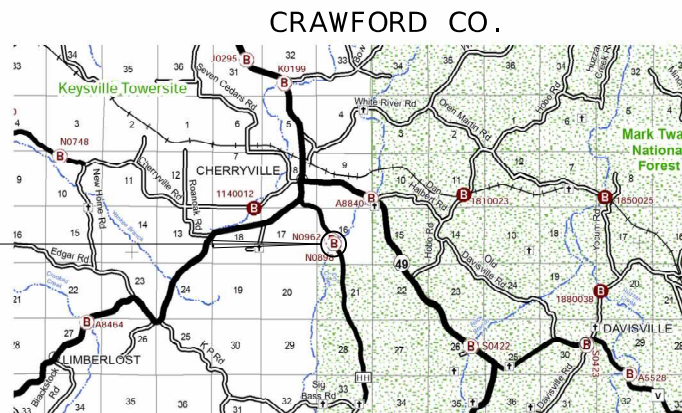
CALLAWAY & CRAWFORD COUNTY



BRIDGE PAINTING
 US 54 BRIDGE NO H0284
 OVER RICHLAND CREEK

BRIDGE PAINTING
 ROUTE HH
 BRIDGE NO N0898
 OVER DRY CREEK

BEGIN SB L.M. 1.061
 END SB L.M. 1.101



BEGIN EB L.M. 194.238
 END EB L.M. 194.279

BRIDGE PAINTING
 US 54 BRIDGE NO A2111
 OVER RAILROAD

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.

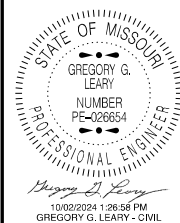
CONVENTIONAL SYMBOLS (USED IN PLANS)

	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		
OVERHEAD CABLE TV		
UNDERGROUND CABLE TV		
OVERHEAD TELEPHONE		
UNDERGROUND TELEPHONE		
OVERHEAD POWER		
UNDERGROUND POWER		
SANITARY SEWER		
STORM SEWER		
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

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
QUANTITIES (QU) (1 SHEETS)	2
TRAFFIC CONTROL SHEETS (TC)	3-6



DATE PREPARED
10/2/2024

ROUTE
54&HH

STATE
MO

DISTRICT
CD

SHEET NO.
1

COUNTY
CALLAWAY / CRAWFORD

JOB NO.
JCD0058

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

LENGTH OF PROJECT

<u>BRIDGE NO H0284</u>	
BEGINNING OF PROJECT	EB L.M. 195.264
END OF PROJECT	EB L.M. 195.325
APPARENT LENGTH	322.08 FEET
EQUATIONS AND EXCEPTIONS:	0.00 FEET
<u>BRIDGE NO A2111</u>	
BEGINNING OF PROJECT	EB L.M. 194.238
END OF PROJECT	EB L.M. 194.279
APPARENT LENGTH	216.48 FEET
EQUATIONS AND EXCEPTIONS:	0.00 FEET
<u>BRIDGE NO N0898</u>	
BEGINNING OF PROJECT	SB L.M. 1.061
END OF PROJECT	SB L.M. 1.101
APPARENT LENGTH	211.20 FEET
EQUATIONS AND EXCEPTIONS:	0.00 FEET
TOTAL CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	749.76 FEET
STATE LENGTH	0.142 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0 ACRES

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Table with columns: SIGN, SIZE, AREA, QTY, TOTAL AREA, QTY RELOC, TOTAL RELOC, SIGN NUM., DESCRIPTION. Includes sections for WARNING SIGNS, REGULATORY SIGNS, and MISCELLANEOUS SIGNS.

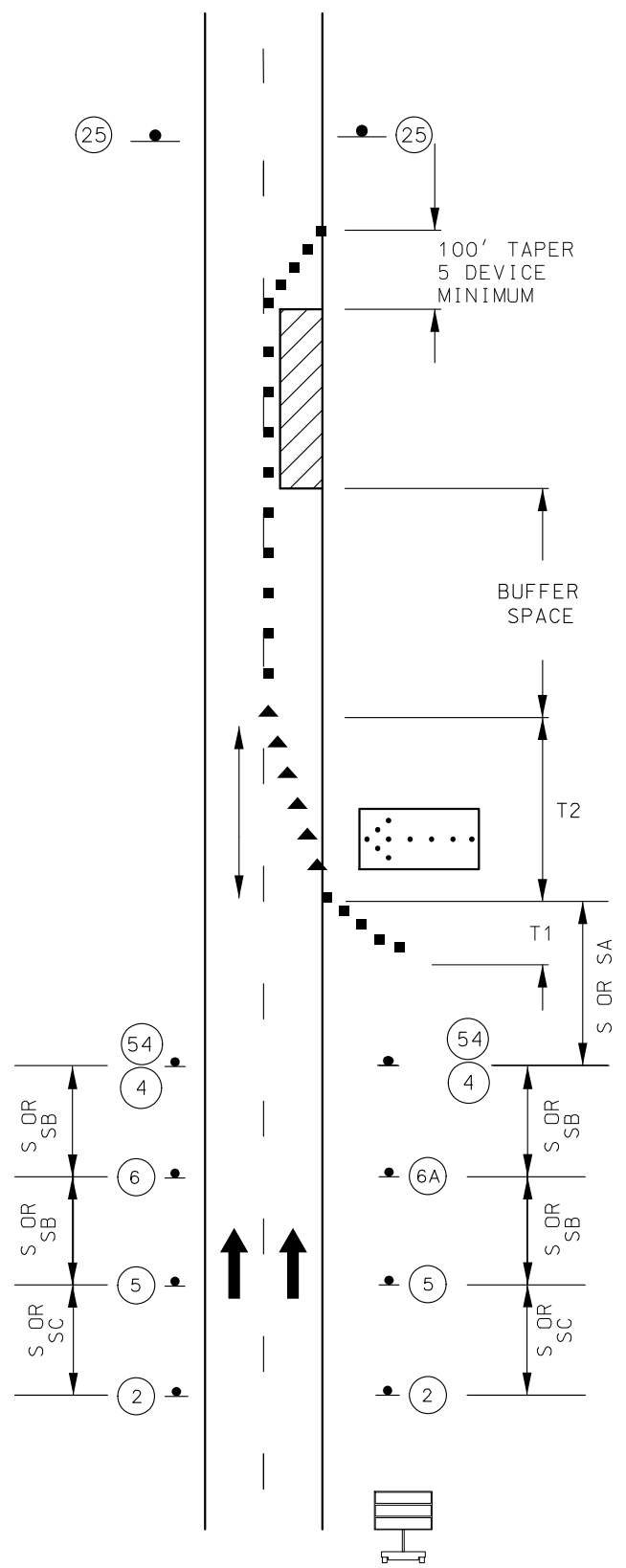
Table with columns: SIGN, SIZE, AREA, QTY, TOTAL, RELOC, SIGN NUM., DESCRIPTION. Includes sections for GUIDE SIGNS and REGULATORY SIGNS.

Table with columns: ITEM NUMBER, TOTAL QTY, DESCRIPTION. Includes a 'TOTAL' row at the bottom.

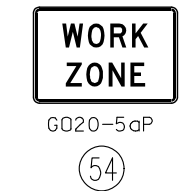
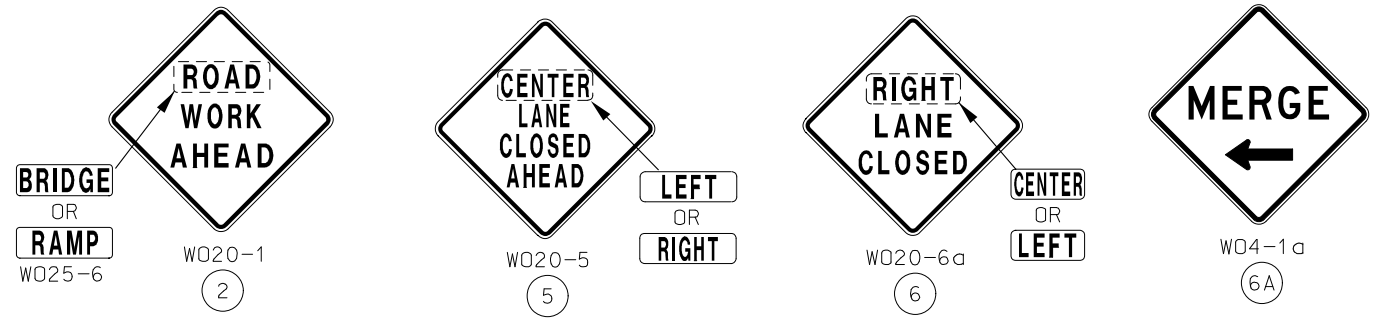
MOBILIZATION
1 LUMP SUM

Professional Engineer Seal for Maria K. Peters, Missouri. Includes project details: ROUTE 54&HH, STATE MO, DISTRICT CD, COUNTY CALLAWAY/CRAWFORD, JOB NO. JCD0058, CONTRACT ID., PROJECT NO., and BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION logo and address: 105 WEST CAPITOL JEFFERSON CITY, MO 65102, 1-888-ASK-MODOT (1-888-275-6636).



STATIONARY LANE CLOSURE
DIVIDED HIGHWAY



GENERAL NOTES:

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

WHEN TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

ALL SIGNS SHALL BE PORTABLE UNLESS OTHERWISE NOTED.

ALL DISTANCES AND SPACING OF TRAFFIC CONTROL SIGNS AND DEVICES ARE APPROXIMATE AND MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS, AS APPROVED BY THE ENGINEER.

CMS TO BE LOCATED AS APPROVED BY THE ENGINEER.

NOTES:

SEE TRAFFIC CONTROL SHEET 4 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

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

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

THIS INFORMATION ALSO SHALL BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY. IN THIS CASE, THE LEFT LANE CLOSED SIGNS AND THE CORRESPONDING MERGE OR LANE ENDS SIGN SHALL BE SUBSTITUTED.

WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE ADDITIONAL TTC DEVICES SHALL BE PLACED AS NEEDED.

AN ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

TRAFFIC CONTROL IS TYPICAL FOR EITHER LANE IN EITHER DIRECTION.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◡ SIGN (DOUBLE SIDED)
- ◡ FLAGGER
- ▲ DIRECTIONAL INDICATOR BARRICADES W/ SEQUENTIAL FLASHING WARNING LIGHTS
- CHANNELIZER
- E BARRICADE
- ◡ CHANGEABLE MESSAGE BOARD

TEMPORARY TRAFFIC CONTROL SHEET
STATIONARY LANE CLOSURE
ON DIVIDED HIGHWAY
SHEET 1 OF 4

STATE OF MISSOURI
MARIA K. PETERS
NUMBER
PE-200162118
PROFESSIONAL ENGINEER

DATE PREPARED
8/12/2024

ROUTE 54&HH	STATE MO
DISTRICT CD	SHEET NO. 3

COUNTY
CALLAWAY / CRAWFORD

JOB NO.
JCD0058

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
8/12/2024

ROUTE STATE
54&HH MO

DISTRICT SHEET NO.
CD 4

COUNTY
CALLAWAY / CRAWFORD

JOB NO.
JCD0058

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

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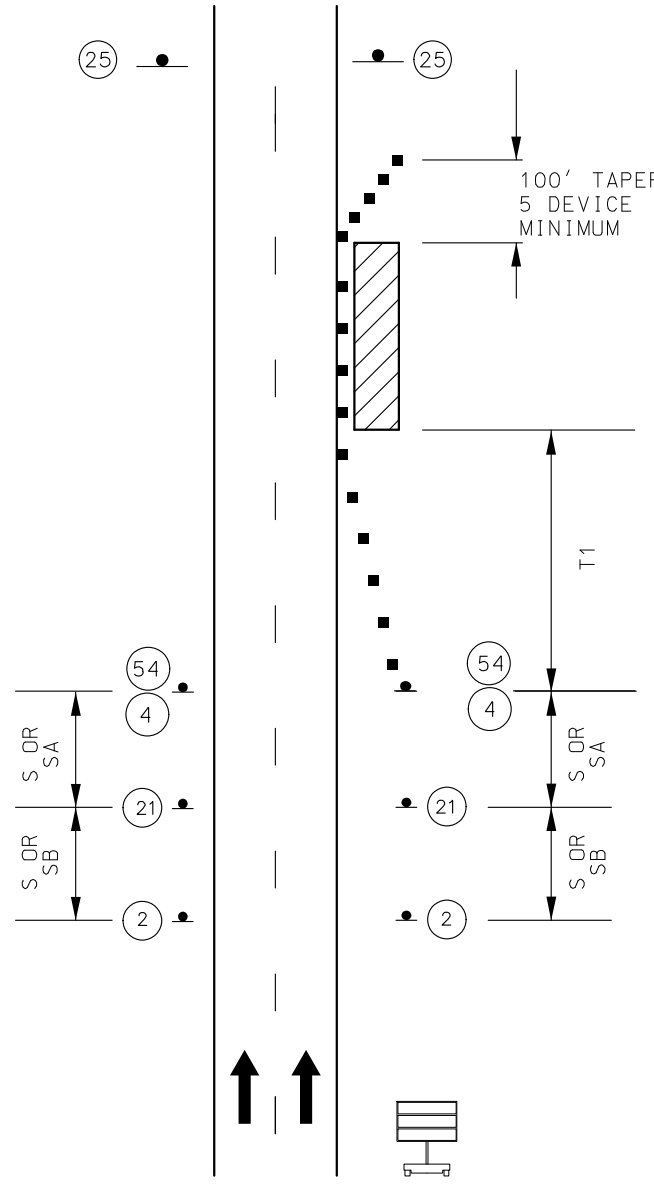
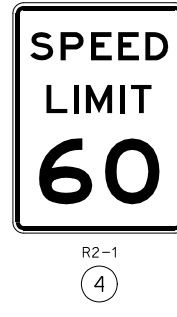
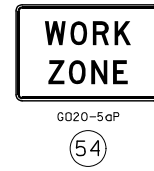
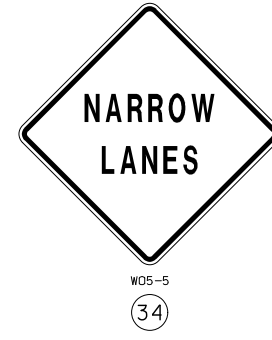
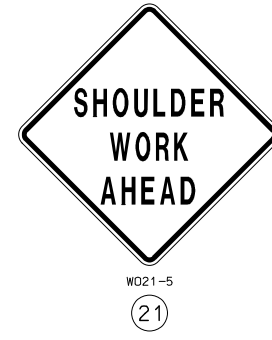
DATE

NOTES:

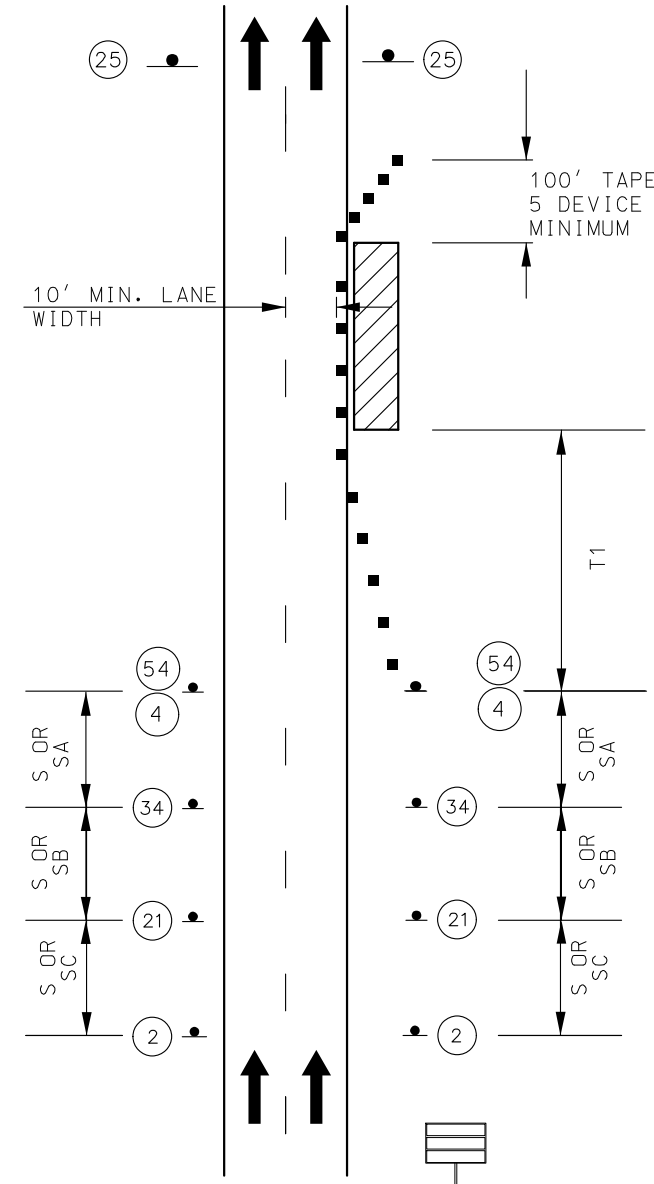
LAYOUTS ARE TYPICAL FOR EITHER LANE.

SIGN ② NOT NEEDED IF LOCATED WITHIN LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN ② IS ALREADY USED.

MAXIMUM WORK ZONE LENGTH 2 MILES



NO TRAVELWAY ENCROACHMENT
DIVIDED HIGHWAY



MINOR TRAVELWAY ENCROACHMENT
DIVIDED HIGHWAY

TRAFFIC CONTROL LEGEND

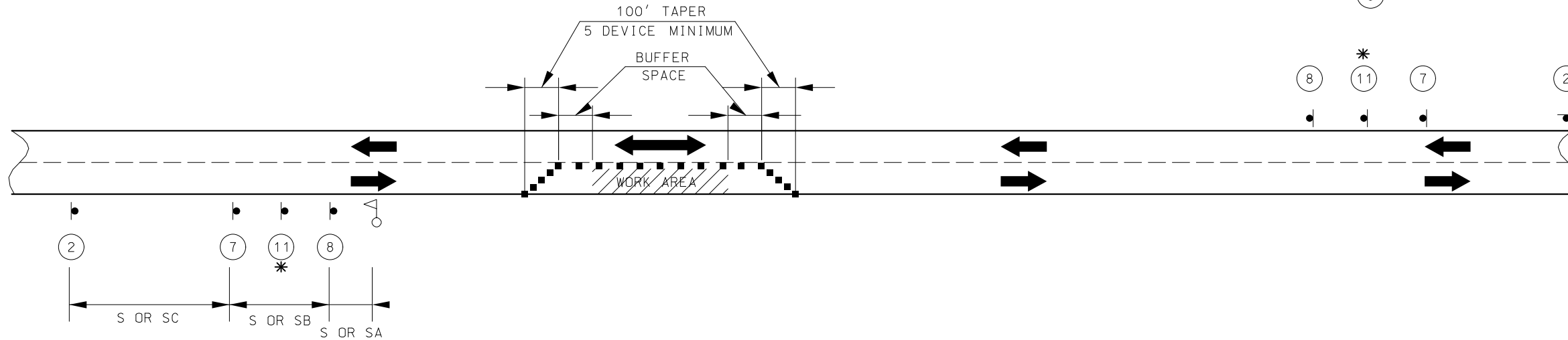
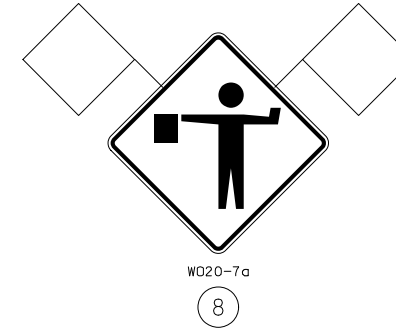
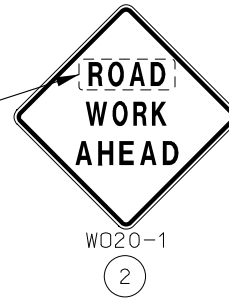
- SIGN (SINGLE SIDED)
- ▶ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER
- ▨ WORK ZONE
- ◻ FLASHING ARROW PANEL
- ◻ CHANGEABLE MESSAGE BOARD

TEMPORARY TRAFFIC CONTROL SHEET
STATIONARY SHOULDER CLOSURE
ON DIVIDED HIGHWAY
SHEET 2 OF 4

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

BRIDGE
OR
RAMP
W025-6



△ - FLAGGER

■ ■ ■ ■ ■ ■
CHANNELIZERS



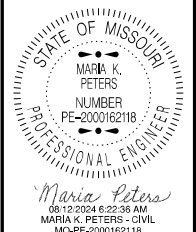
* THIS SIGN IS INSERTED BETWEEN SIGNS 7 & 8 WITH THE SPACING OF 1/2 THE STANDARD SPACING WHEN NO WORK ZONE SPEED LIMIT IS ESTABLISHED.

NOTES:

SEE TRAFFIC CONTROL SHEET 4 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
DAYLIGHT FLAGGING OPERATIONS ONLY.

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.

TEMPORARY TRAFFIC CONTROL SHEET
FLAGGER CONTROL RESURFACING
OR MOVING OPERATION
1 LANE - 2 WAY OPERATION
SHEET 3 OF 4



DATE PREPARED
8/12/2024
ROUTE STATE
54&HH MO
DISTRICT SHEET NO.
CD 5
COUNTY
CALLAWAY/CRAWFORD
JOB NO.
JCD0058
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
8/12/2024

ROUTE STATE
54&HH MO

DISTRICT SHEET NO.
CD 6

COUNTY
CALLAWAY/CRAWFORD

JOB NO.
JCD0058


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)

SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200'	200'
40-45	350'	500'
50-55	500'	1000'
60-70	1000'	SA - 1000' SB - 1500' SC - 2640'

NOTES:

- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
- (2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS AND VISIBILITY.
- (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER.

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER (T1)	BUFFER LENGTH FT. (B)	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	400'	35'*	40'*
40-45	450'	495'	540'	150'	400'	40'*	80'*
50-55	550'	605'	660'	185'	560'	50'*	80'*
60-70	700'	770'	840'	235'	840'	60'*	120'*

* SPACING REDUCED TO 1/2 AT INTERSECTIONS.
** SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

ROADWAY TYPE	SIGN HEIGHT	MAX. WORK ZONE LENGTH (L)
URBAN	1' PORTABLE 7' POST	1 MILE
RURAL DIVIDED	1' PORTABLE 7' POST	2 MILE
RURAL UNDIVIDED	1' PORTABLE 5' POST	3 MILE