

DESIGN DESIGNATION

BRIDGE-A1983 (RTE 23)
A.A.D.T - 2024 = 1001
V = 55 M.P.H.
FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

BRIDGE-A0808 (RTE 65)
A.A.D.T - 2024 = 3999
V = 65 M.P.H.
FUNCTIONAL CLASSIFICATION- FREEWAY

BRIDGE-R0545 (RTE E)
A.A.D.T - 2024 = 136
V = 55 M.P.H.
FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

BRIDGE-A2124 (RTE U)
A.A.D.T - 2024 = 1077
V = 55 M.P.H.
FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

BRIDGE-X0223 (RTE M)
A.A.D.T - 2024 = 1144
V = 55 M.P.H.
FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

NO RIGHT-OF-WAY ACQUISITION

CONVENTIONAL SYMBOLS
(USED IN PLANS)

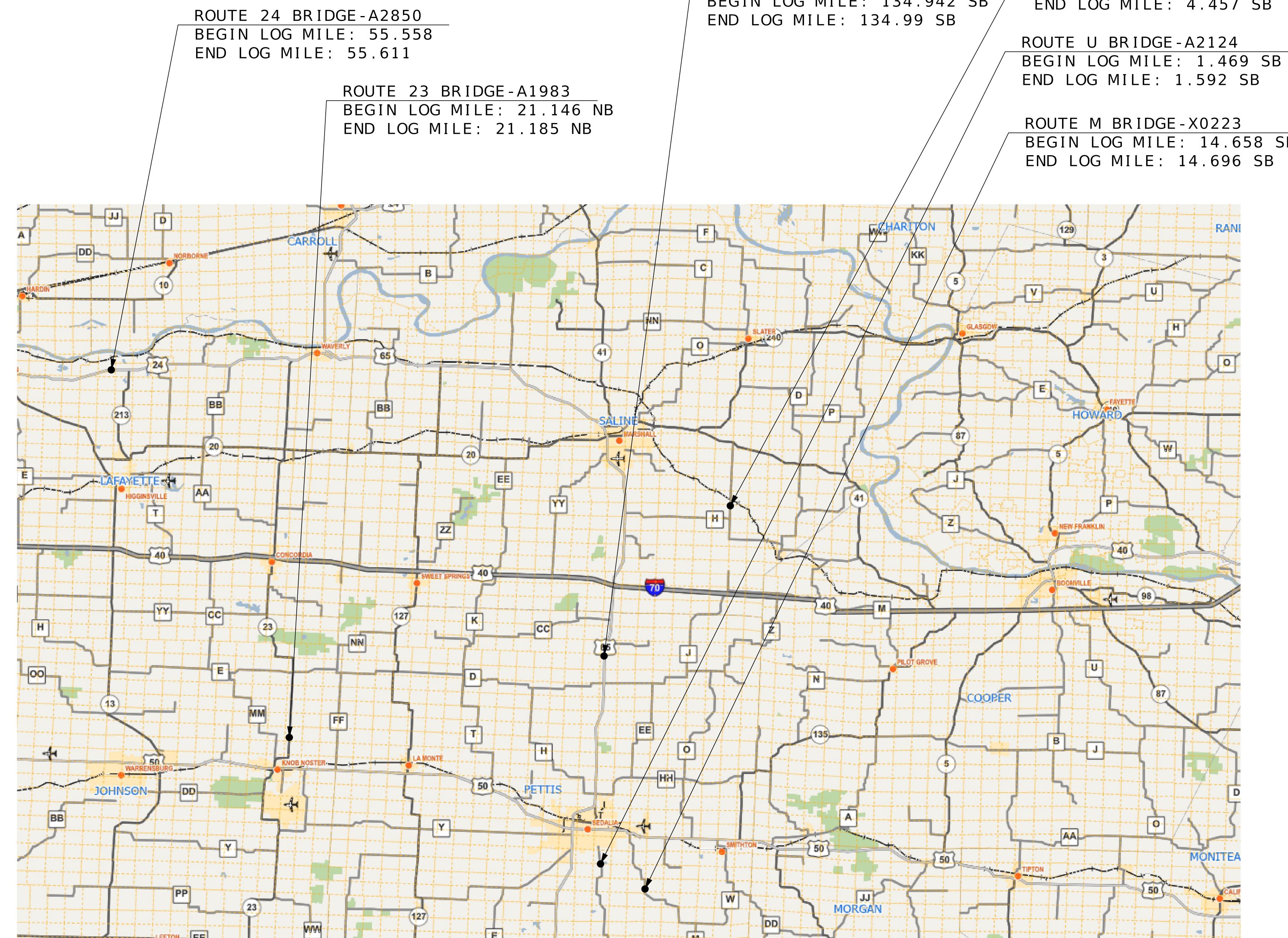
	EXISTING	NEW
BUILDINGS AND STRUCTURES	□	□
GUARD RAIL	○○○○	○○○○
GUARD CABLE	○○○○	○○○○
CONCRETE RIGHT-OF-WAY MARKER	▀	▀
STEEL RIGHT-OF-WAY MARKER	▽	▽
LOCATION SURVEY MARKER	○	○
UTILITIES		
FIBER OPTICS	— FO —	— FO —
OVERHEAD CABLE TV	— OTV —	— OTV —
UNDERGROUND CABLE TV	— UTV —	— UTV —
OVERHEAD TELEPHONE	— 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	— V —	— V —
CHAIN LINK	— X —	— X —
WOVEN WIRE	— X —	— X —
GATE POST	— X —	— X —
BENCHMARK	BM	BM

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

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

KEY MAP
LOCATION OF LAFAYETTE, SALIN,
JOHNSON, PETTIS COUNTY

BRIDGE PAINTING AT VARIOUS LOCATIONS



NOT TO SCALE

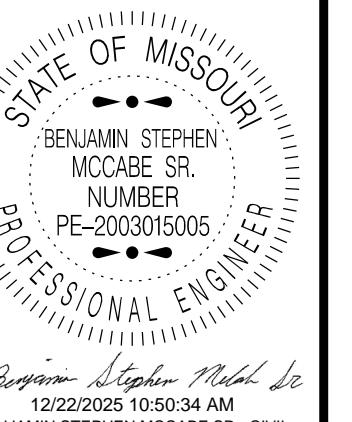
THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY 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.

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
QUANTITIES (QU) (1 SHEET)-----	3
TRAFFIC CONTROL SHEETS (TC)-----	4-8

LENGTH OF PROJECT

DESCRIPTION	SHEET NUMBER
BRIDGE-A2850 (RTE 24) BEGINNING OF PROJECT END OF PROJECT	LOG MILE 55.558 +/- LOG MILE 55.611 +/-
APPARENT LENGTH	280 FEET
BRIDGE-A1983 (RTE 23) BEGINNING OF PROJECT END OF PROJECT	LOG MILE 21.146 +/- LOG MILE 21.185 +/-
APPARENT LENGTH	206 FEET
BRIDGE A0808 (RTE 65) BEGINNING OF PROJECT END OF PROJECT	LOG MILE 134.942 +/- LOG MILE 134.990 +/-
APPARENT LENGTH	254 FEET
BRIDGE R0545 (RTE E) BEGINNING OF PROJECT END OF PROJECT	LOG MILE 4.394 +/- LOG MILE 4.457 +/-
APPARENT LENGTH	333 FEET
BRIDGE A2124 (RTE U) BEGINNING OF PROJECT END OF PROJECT	LOG MILE 1.469 +/- LOG MILE 1.592 +/-
APPARENT LENGTH	650 FEET
BRIDGE X0223 (RTE M) BEGINNING OF PROJECT END OF PROJECT	LOG MILE 14.658 +/- LOG MILE 14.696 +/-
APPARENT LENGTH	201 FEET
NET LENGTH OF PROJECT	1924 FEET
STATE LENGTH	0.364 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0 ACRES



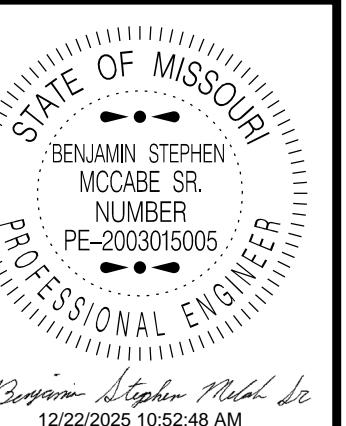
Benjamin Stephen McCabe, Sr.
12/22/2025 10:50:34 AM
BENJAMIN STEPHEN MCCABE SR - CIVIL
MO-PE-2003015005
DATE PREPARED
12/22/2025

ROUTE STATE
VAR MO
DISTRICT KC SHEET NO.
1 COUNTY VARIOUS
JOB NO. JKR0139
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION DATE

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

SPACING AND TAPER LENGTHS FOR WORK ZONE SIGNS, CHANNELIZERS AND CONCRETE BARRIER



DATE PREPARED
12/22/2025

ROUTE VAR STATE MO
DISTRICT KC SHEET NO. 4
COUNTY VARIOUS
JOB NO. JKR0139
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION DATE

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

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

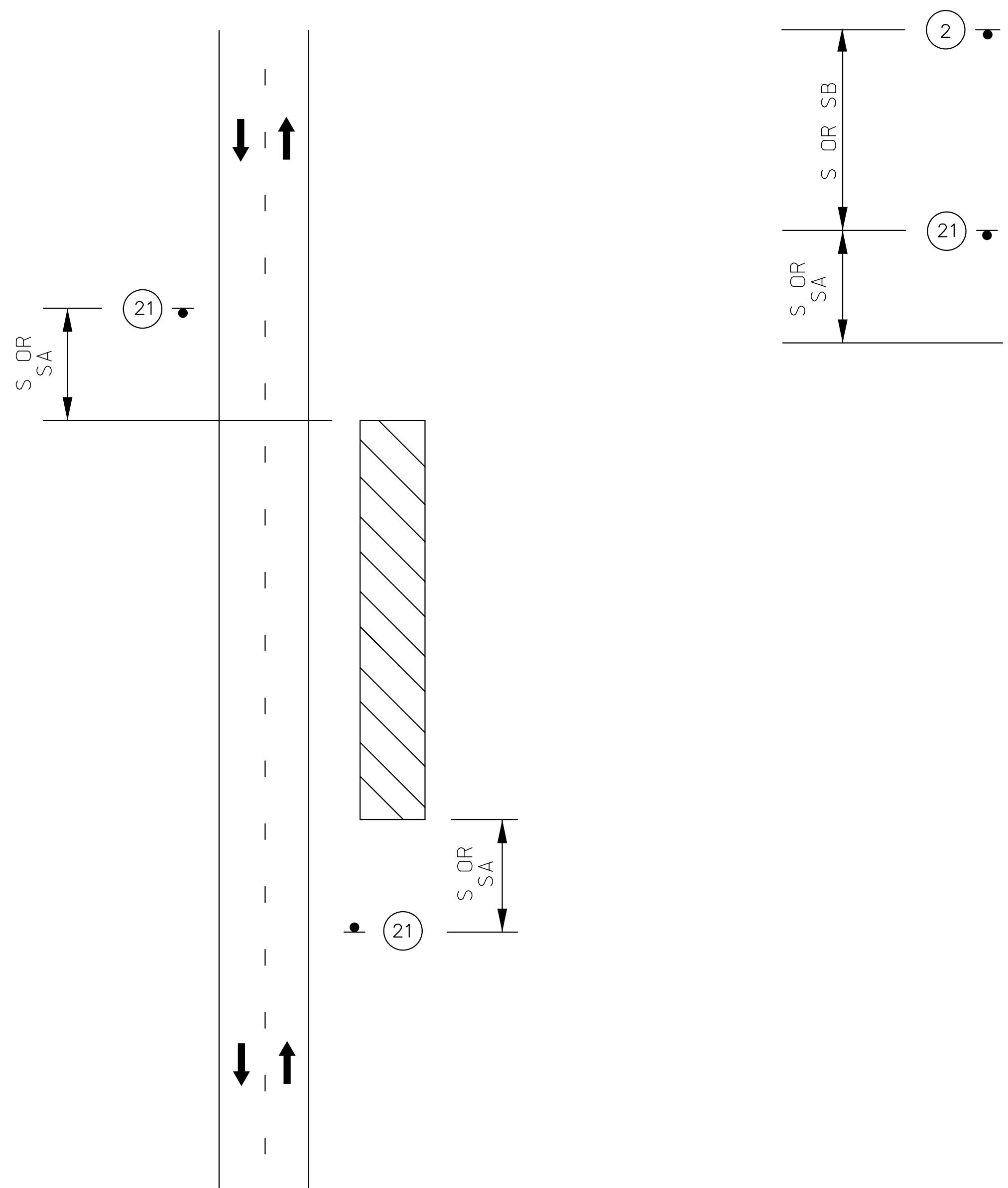
TAPER LENGTHS AND END TREATMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			END TREATMENT (4)
< 40	10'	11'	12'	
> 40	160'	168'	176'	BARRIER HEIGHT TRANSITION APPROVED CRASH CUSHION

NOTE:

- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
- (2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER
- (4) CONCRETE BARRIER MAY BE INSTALLED AT 8:1 FLARE RATE FROM THE SHOULDER POINT OF THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER	BUFFER LENGTH FT	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	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'

TEMPORARY
TRAFFIC CONTROL
SHEET 1 OF 5



WORK BEYOND SHOULDER

NOTES:

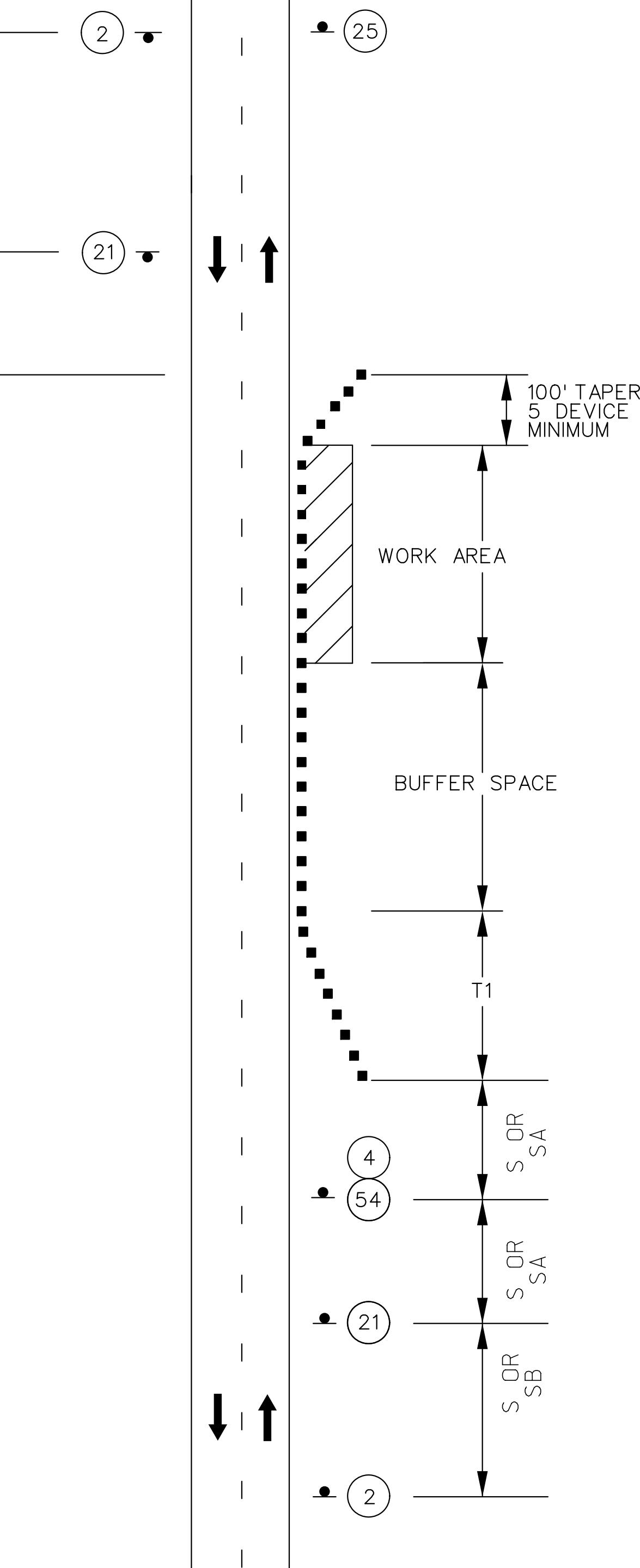
ONLY APPLICABLE WHEN WORK IS WITHIN THE CLEAR ZONE.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

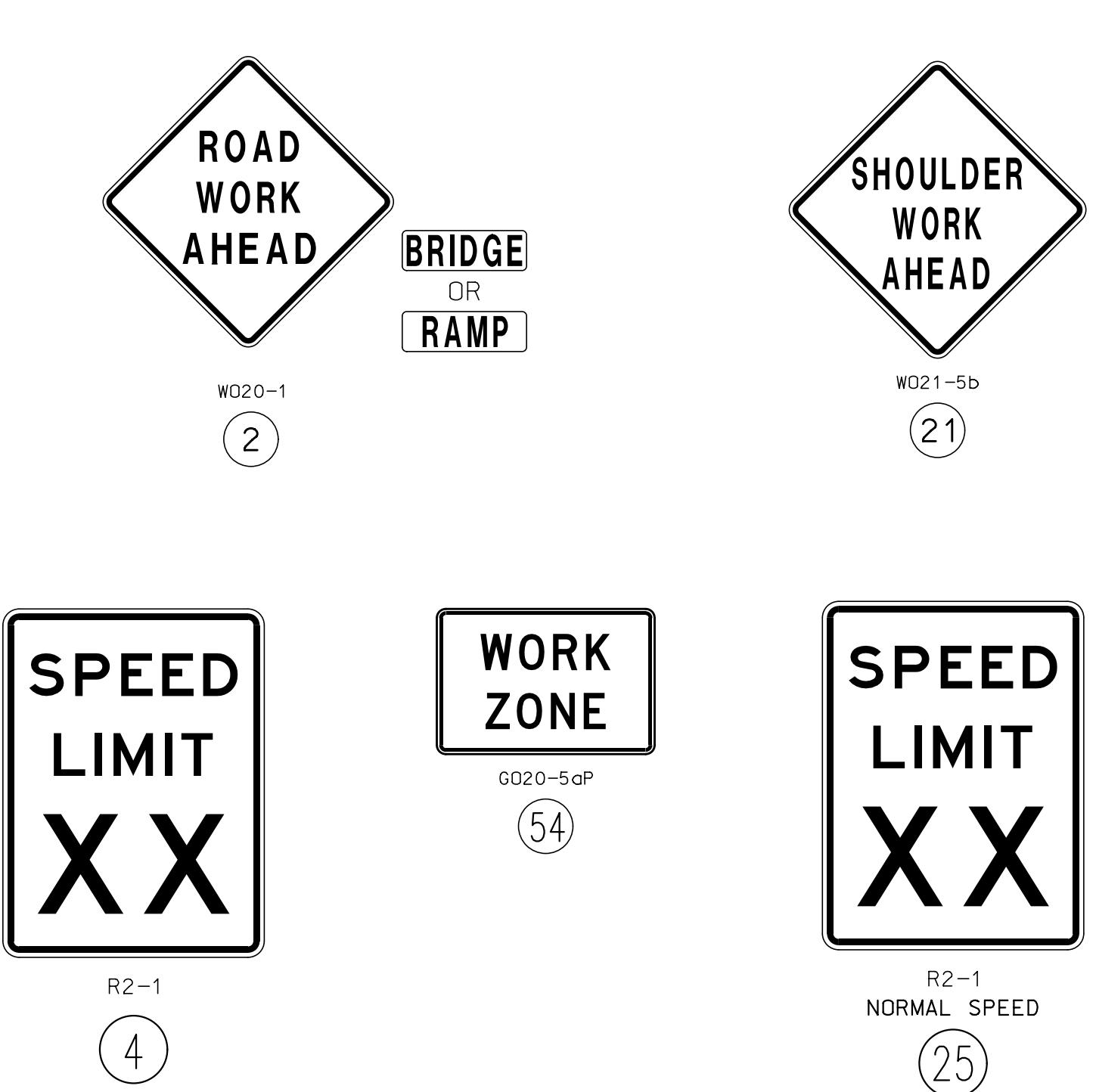
SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

ON MULTI-LANE, DIVIDED HIGHWAYS SIGNS ADVISING OF SHOULDER WORK OR THE CONDITION OF THE SHOULDER SHOULD BE PLACED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.



SHOULDER WORK WITH NO TRAVELWAY ENCROACHMENT



SPEED LIMIT	NORMAL SPEED LIMIT
(4)	(25)
45	55
55	65

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

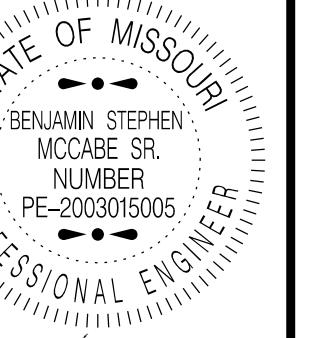
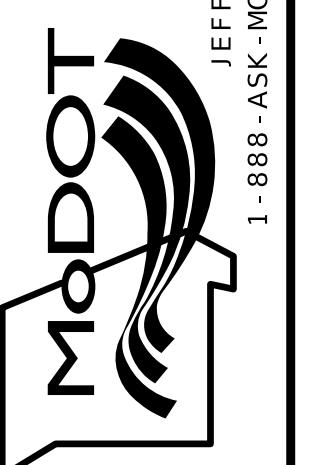
SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.

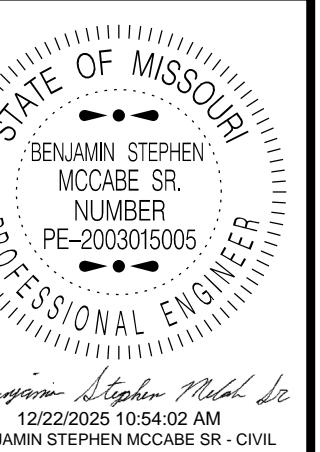
PROVIDE SIGNS ON LEFT AND RIGHT SIDE OF DIVIDED HIGHWAYS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

WHEN PAVED SHOULDER HAVING A WIDTH OF 8 FEET OR MORE ARE CLOSED, AT LEAST ONE ADVANCE WARNING SIGN SHALL BE USED. IN ADDITION, CHANNELIZING DEVICES SHALL BE USED TO CLOSE THE SHOULDER IN ADVANCE TO DELINEATE THE BEGINNING OF THE WORK SPACE AND DIRECT VEHICULAR TRAFFIC TO REMAIN WITHIN THE TRAVELED WAY.

SHOULDER WORK
TEMPORARY
TRAFFIC CONTROL
SHEET 2 OF 5

 <i>Benjamin Stephen McCabe Jr.</i> 12/22/2025 10:53:25 AM BENJAMIN STEPHEN MCCABE SR - CIVIL MO-PE-2003015005	
ROUTE VAR	MO
DISTRICT	KC
COUNTY	VARIOUS
JOB NO.	JKR0139
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)	



Benjamin Stephen McCabe, Jr.
12/22/2025 10:54:02 AM
BENJAMIN STEPHEN MCCABE SR - CIVIL
MO-PE-2003015005

DATE PREPARED
12/22/2025

ROUTE VAR
KC

STATE MO
SHEET NO. 6

DISTRICT COUNTY
VARIOUS

JOB NO. CONTRACT ID.
JKR0139

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORKZONE SPEED LIMIT GUIDELINES.
SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.

THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.

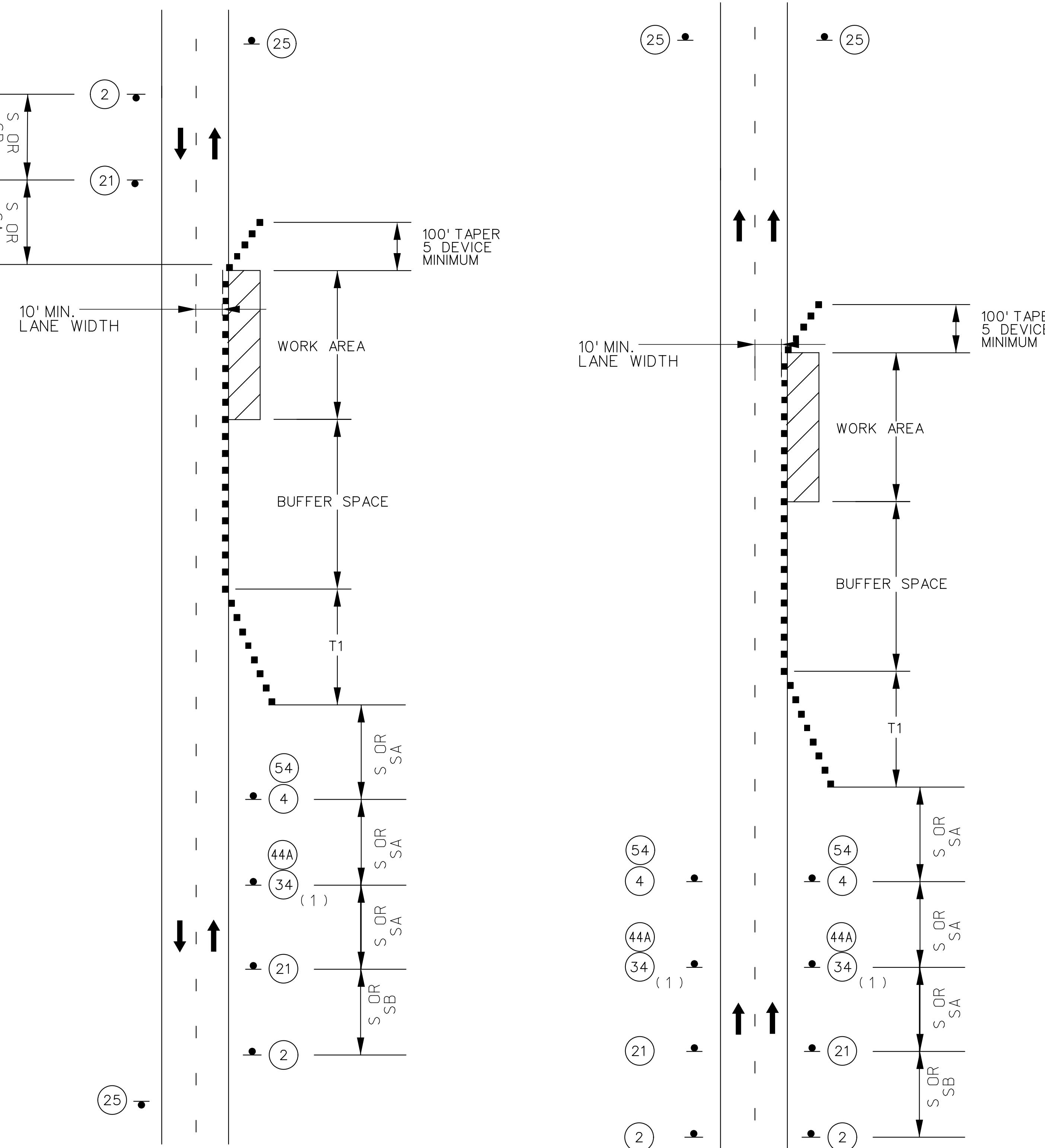
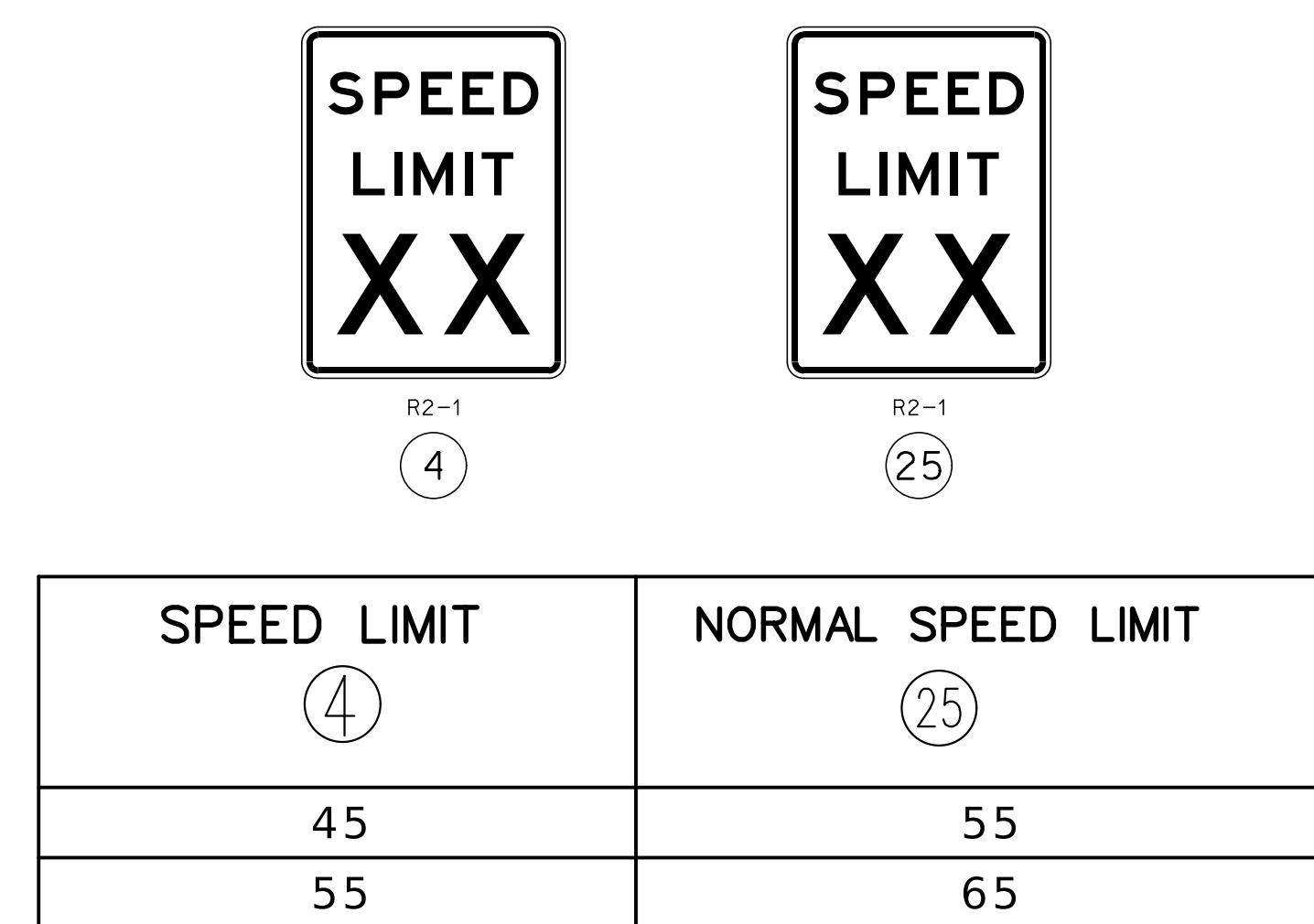
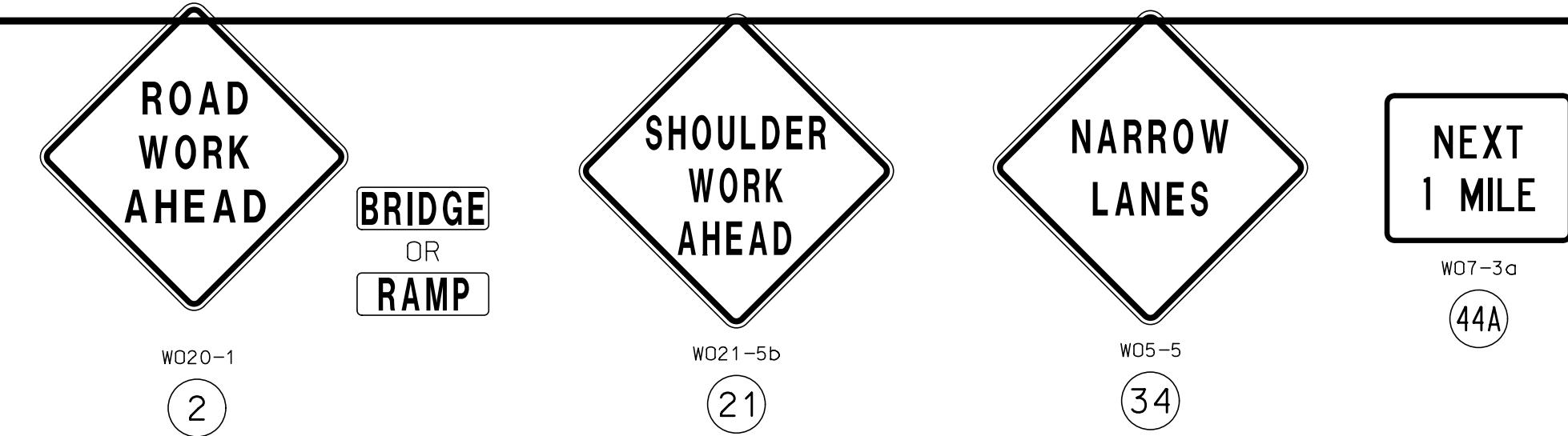
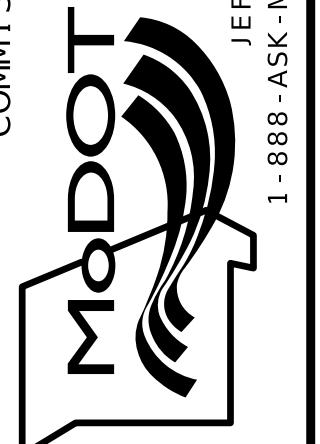
VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGEND ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1). SIGN 44A NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

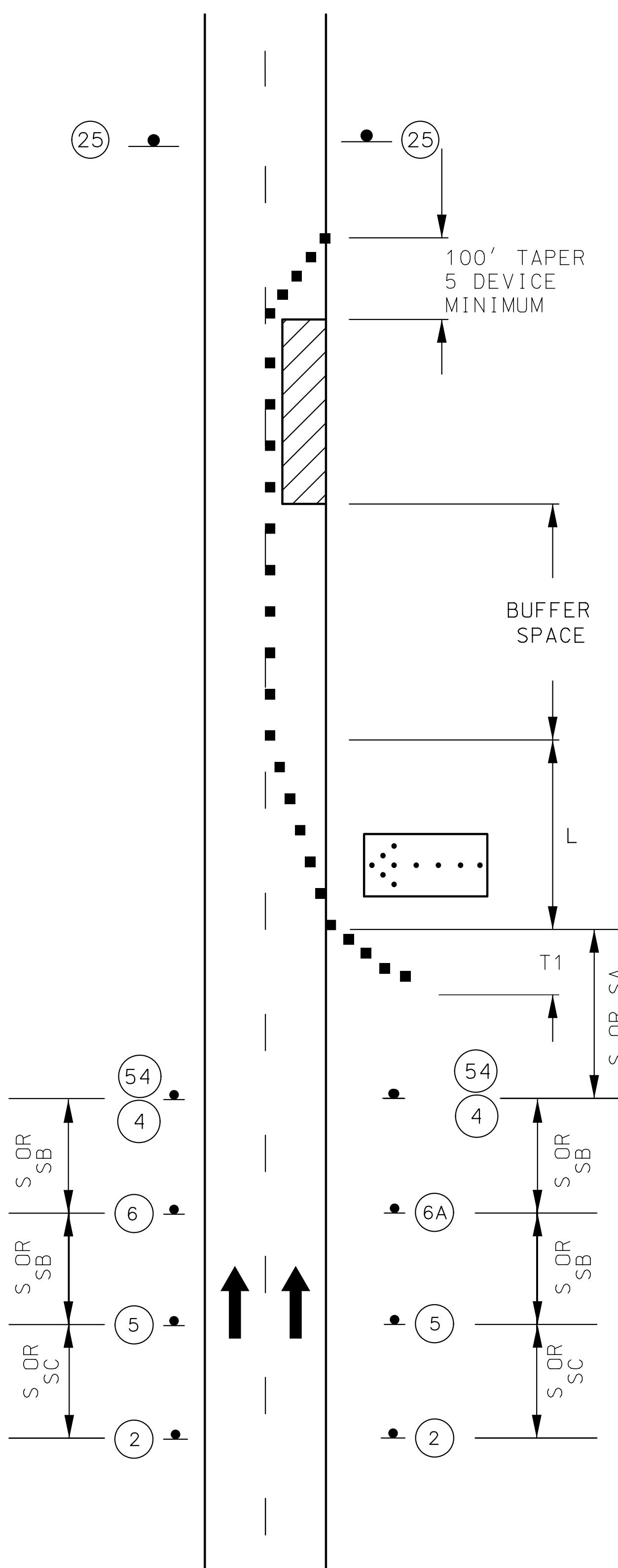
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



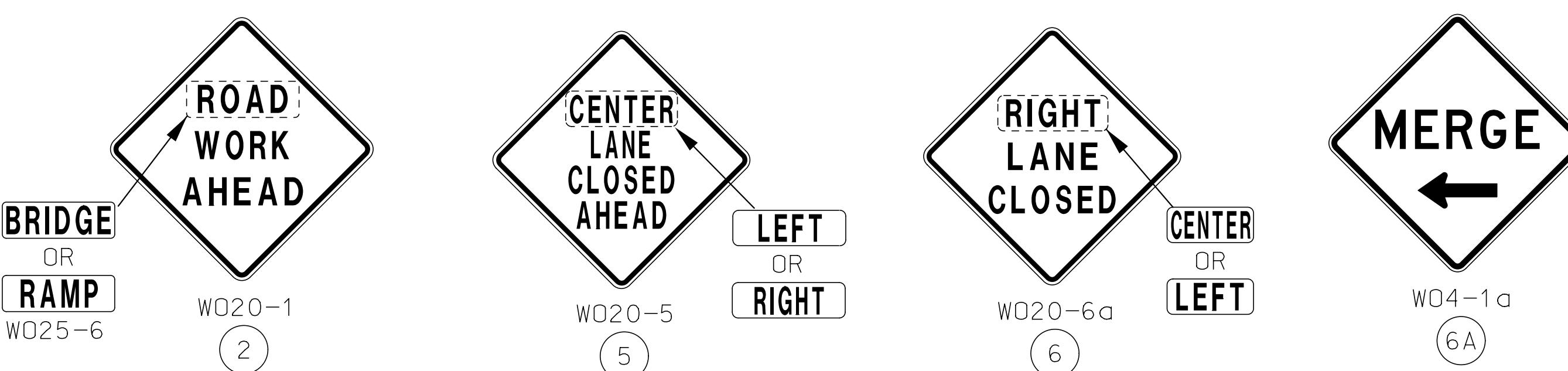
TWO LANE UNDIVIDED
SHOULDER WORK
MINOR TRAVELWAY ENCROACHMENT

MULTI-LANE DIVIDED
SHOULDER WORK
MINOR TRAVELWAY ENCROACHMENT

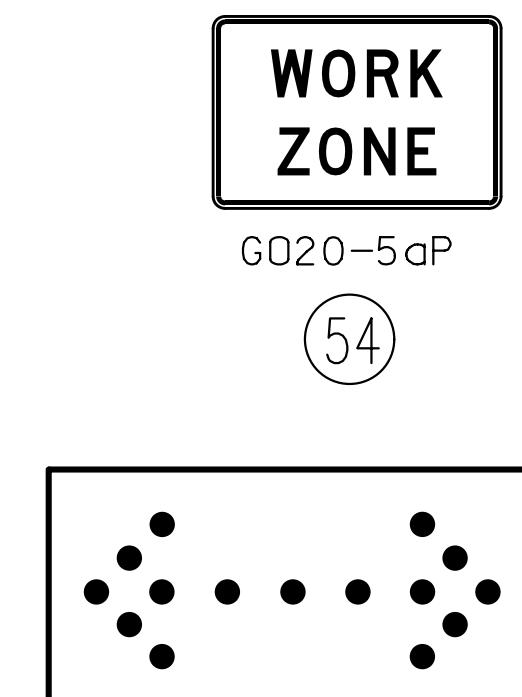
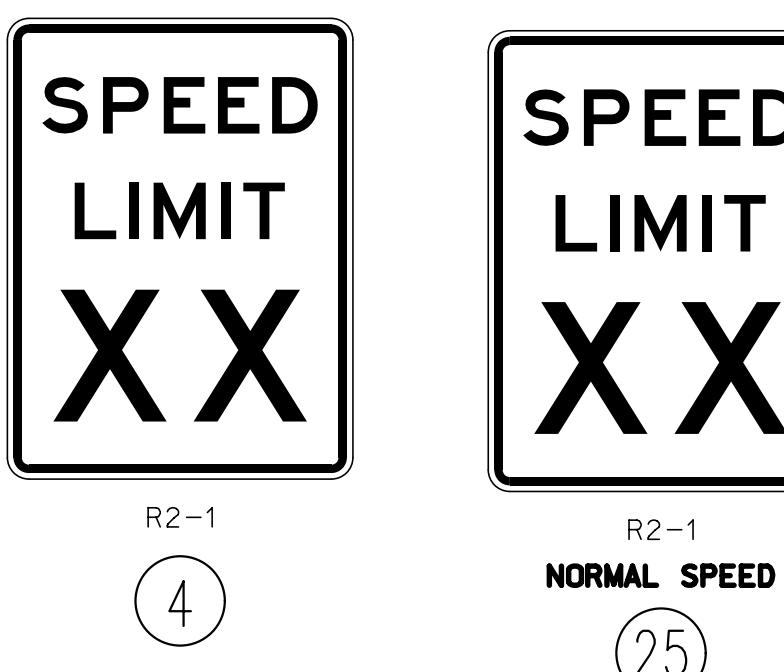
SHOULDER WORK
MINOR ENCROACHMENT
TEMPORARY
TRAFFIC CONTROL
SHEET 3 OF 5



TWO-LANE DIVIDED HIGHWAY



SPEED LIMIT	NORMAL SPEED LIMIT
4	25
45	55
55	65



FLASHING ARROW PANEL

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 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 PREFORMED 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.

STATIONARY
LANE CLOSURE
ON DIVIDED HIGHWAY
TEMPORARY
TRAFFIC CONTROL
SHEET 5 OF 5

