

DESIGN DESIGNATION

A.A.D.T. I-255 - 2023 = 30,251
A.A.D.T. I-255 - 2043 = 33,424
D.H.V. = 3,630
T = 18.4%
V = 60 M.P.H.
D = 50/50%

FUNCTIONAL CLASSIFICATION - INTERSTATE

A.A.D.T. I-70 - 2023 = 58,687
A.A.D.T. I-70 - 2043 = 64,843
D.H.V. = 7,042
T = 18.4%
V = 50 M.P.H.
D = 50/50%

FUNCTIONAL CLASSIFICATION - INTERSTATE

A.A.D.T. POPLAR ST BRIDGE - 2024 = 58735
A.A.D.T. Rte.364 - 2044 = 64896
D.H.V. = 7048
T = 18.3%
V = 45 M.P.H.
D = 46%

FUNCTIONAL CLASSIFICATION - INTERSTATE

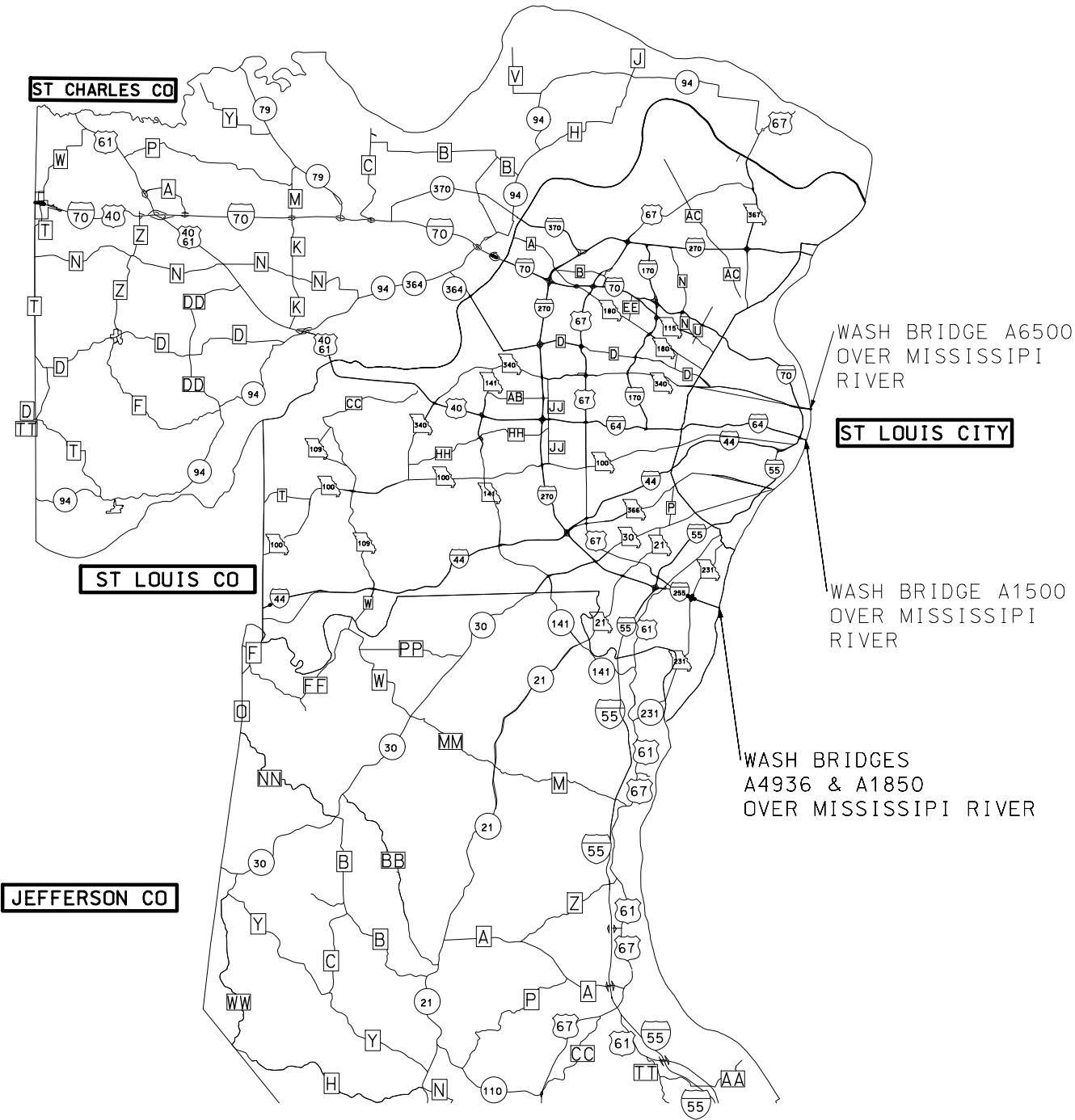
NO NEW RIGHT OF WAY WAS
ACQUIRED FOR THIS PROJECT

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	-V-	-V-
WOVEN WIRE	-X-	-X-
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE
EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
ST. LOUIS CITY & ST. LOUIS COUNTY



BRIDGE WASHING					
LOCATION	ROUTE	BRIDGE A6500 BRIDGE WASHING (LUMP SUM)	BRIDGE A1500 BRIDGE WASHING (LUMP SUM)	BRIDGE A4936 BRIDGE WASHING (LUMP SUM)	BRIDGE A1850 BRIDGE WASHING (LUMP SUM)
ST. LOUIS CITY	I-70 OVER MISSISSIPPI RIVER	1			
ST. LOUIS CITY	I-64/I-55 OVER MISSISSIPPI RIVER		1		
ST. LOUIS COUNTY	I-255 EB OVER MISSISSIPPI RIVER			1	
ST. LOUIS COUNTY	I-255 WB OVER MISSISSIPPI RIVER				1
PAYTOTAL		1 LUMP SUM	1 LUMP SUM	1 LUMP SUM	1 LUMP SUM

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL
SEAL APPEAR HEREON ASSUMES RESPONSIBILITY
ONLY FOR WHAT APPEARS ON THIS PAGE, AND
DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO)
SPECIFICATION, ESTIMATES, REPORTS, OR OTHER
DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE
UNDERSIGNED PROFESSIONAL RELATING TO OR
INTENDED TO BE USED FOR ANY PART OR PARTS OF
THE PROJECT TO WHICH THIS PAGE REFERS.

MOBILIZATION	
PAYTOTAL	1 LUMP SUM


TRAFFIC CONTROL	
PAYTOTAL	1 LUMP SUM

STATE OF MISSOURI

GARLAND L. HILLNER

NUMBER PE-25740

PROFESSIONAL ENGINEER



07/28/2025 7:53:40 AM
GARLAND L. HILLNER - CIVIL
MO-PE-25740

DATE PREPARED
7/28/2025

ROUTE
I-55, I-70,
I-255

STATE
MO

DISTRICT
SL

SHEET NO.
2

COUNTY
ST. LOUIS CITY
ST. LOUIS COUNTY

JOB NO.
J613662

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)

SUMMARY OF QUANTITIES
SHEET 1 OF 2

EFFECTIVE: 07-01-2024															
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN								
SIGN	IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NUM.								
WARNING SIGNS								DESCRIPTION							
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)							
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)							
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)							
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)							
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)							
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)							
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)							
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)							
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)							
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)							
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)							
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)							
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)							
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)							
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)							
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)							
WO1-8	18X24	3.00						CHEVRON (SYMBOL)							
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)							
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)							
WO3-2	48X48	16.00	1	16				YIELD AHEAD (SYMBOL)							
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)							
WO3-4	48X48	16.00						BE PREPARED TO STOP							
WO3-5	48X48	16.00						SPEED LIMIT AHEAD							
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)							
WO4-1R	48X48	16.00	1	16				MERGE (SYMBOL FROM RIGHT)							
WO4-1aL	48X48	16.00	2	32				MERGE (LEFT)							
WO4-1aR	48X48	16.00	2	32				MERGE (RIGHT)							
WO5-1	48X48	16.00	1	16				ROAD/BRIDGE/RAMP NARROWS							
WO5-3	48X48	16.00						ONE LANE BRIDGE							
WO5-5	48X48	16.00						NARROW LANES							
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)							
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)							
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)							
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)							
WO8-1	48X48	16.00						BUMP							
WO8-2	48X48	16.00						DIP							
WO8-3	48X48	16.00						PAVEMENT ENDS							
WO8-4	48X48	16.00						SOFT SHOULDER							
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)							
WO8-6	48X48	16.00						TRUCK CROSSING							
WO8-6c	48X48	16.00						TRUCK ENTRANCE							
WO8-7	36X36	9.00						LOOSE GRAVEL							
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL							
WO8-9	48X48	16.00						LOW SHOULDER							
WO8-11	48X48	16.00						UNEVEN LANES							
WO8-12	48X48	16.00						NO CENTER LINE							
WO8-15	48X48	16.00						GROOVED PAVEMENT							
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)							
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)							
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)							
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)							
W10-1	42RND.	9.62						RAILROAD CROSSING							
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)							
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)							
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)							
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)							
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD							
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD							
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)							
WO16-2	30X24	5.00						XXX FEET (PLAQUE)							
WO16-3	30X24	5.00						X MILE (PLAQUE)							
WO20-1	48X48	16.00	4	64				ROAD/BRIDGE/RAMP WORK AHEAD							
WO20-2	48X48	16.00						DETOUR AHEAD							
WO20-3	48X48	16.00						ROAD CLOSED AHEAD							
WO20-4	48X48	16.00						ONE LANE ROAD AHEAD							
WO20-5	48X48	16.00	4	64				RIGHT/CENTER/LEFT LANE CLOSED AHEAD							
WO20-5a	48X48	16.00	2	32				2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD							
WO20-6a	48X48	16.00	4	64				RIGHT/CENTER/LEFT LANE CLOSED							
WO20-7a	48X48	16.00						FLAGGER (SYMBOL)							
WO21-2	36X36	9.00						FRESH OIL							
WO21-5	48X48	16.00						SHOULDER WORK / SHOULDER WORK AHEAD							
WO22-1	48X48	16.00						BLASTING ZONE AHEAD							
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE							
WO22-3	42X36	10.50						END BLASTING ZONE							
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)							

SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN								
SIGN	IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NUM.								
GUIDE SIGNS								DESCRIPTION							
E05-1	36X48	12.00	1	12				GORE EXIT							
E05-2	48X36	12.00						EXIT OPEN							
E05-2a	48X36	12.00						EXIT CLOSED							
GO20-1	60X24	10.00	1	10				ROAD WORK NEXT XX MILES							
GO20-2	48X24	8.00	2	16				END ROAD WORK							
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME							
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW							
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW							
GO20-5aP	36X24	6.00	2	12				WORK ZONE (PLAQUE)							
MO4-8a	24X18	3.00						END DETOUR							
MO4-9L	48X36	12.00						DETOUR (LEFT)							
MO4-9R	48X36	12.00						DETOUR (RIGHT)							
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)							
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)							
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)							
REGULATORY SIGNS															
R1-1	48X48	13.25						STOP							
R1-2	48TRI.	6.93	1	6.93				YIELD							
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)							
R1-3P	30X12	2.50						ALL WAY (PLAQUE)							
R2-1	36X48	12.00	12**	144				SPEED LIMIT XX							
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)							
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)							
R3-3	36X36	9.00						NO TURNS							
R3-4	48X48	16.00						NO U-TURN (SYMBOL)							
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT							
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT							
R4-1	36X48	12.00						DO NOT PASS							
R4-2	36X48	12.00						PASS WITH CARE							
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)							
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)							
R5-1	30X30	6.25						DO NOT ENTER							
R5-1a	36X24	6.00						WRONG WAY							
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)							
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)							
R6-2L	24X30	5.00						ONE WAY (LEFT)							
R6-2R	24X30	5.00						ONE WAY (RIGHT)							
R9-9	24X12	2.00						SIDEWALK CLOSED							
R9-11L	24X18	3.00													

STATE OF MISSOURI

GARLAND L. HILLNER

NUMBER PE-25740

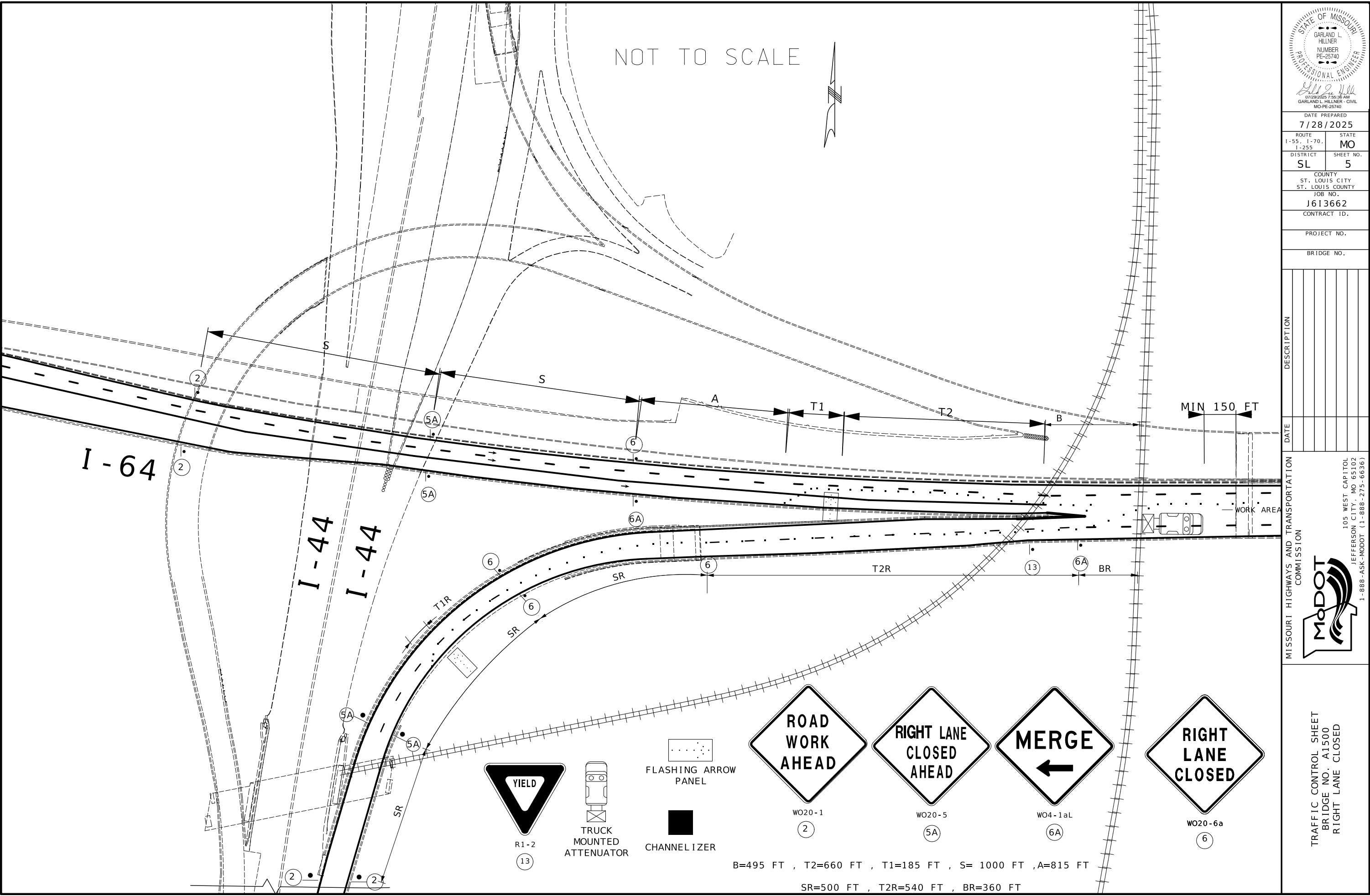
07/28/2025 7:54 AM

GARLAND L. HILLNER - CIVIL

MO-PE-25740

DATE PREPARED
7/28/2025

ROUTE 1-55, 1-70, 1-255
DISTRICT SL
COUNTY ST. LOUIS CITY
ST. LOUIS COUNTY
JOB NO. J613662
CONTRACT





W04-1a

(6A)



WD20-1

②

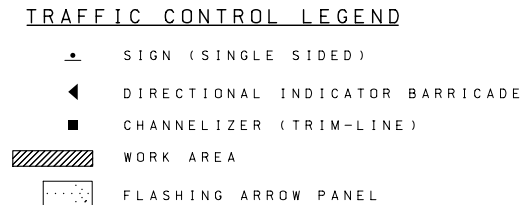


W020-6a

6



5A



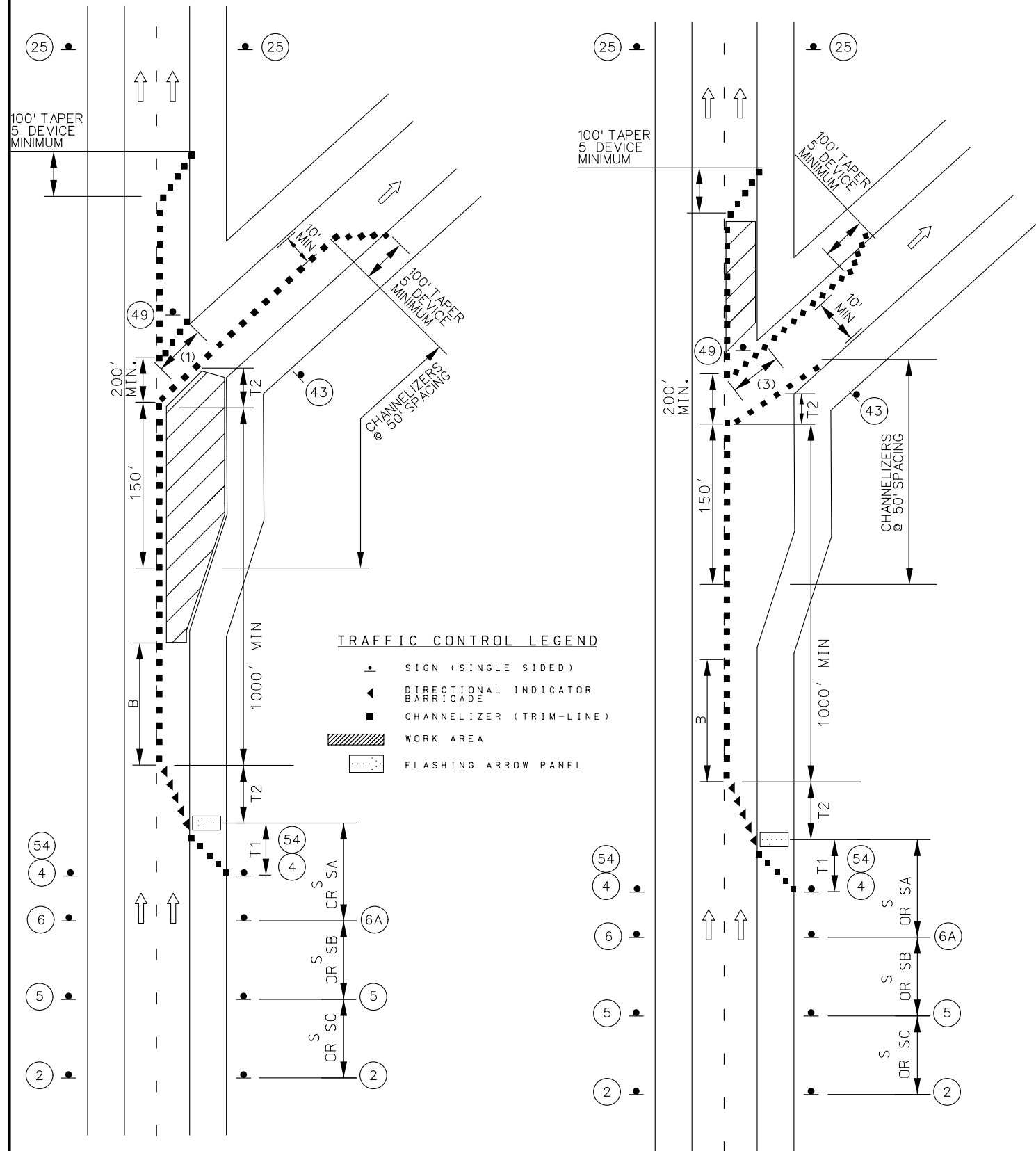
A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	-	200	70	245	280	35	40
40-45	-	500	150	540	400	40	80
50-55	-	1000	185	660	560	50	80
60-70	-	SA-1000 SB-1500 SC-2640	235	840	840	60	120

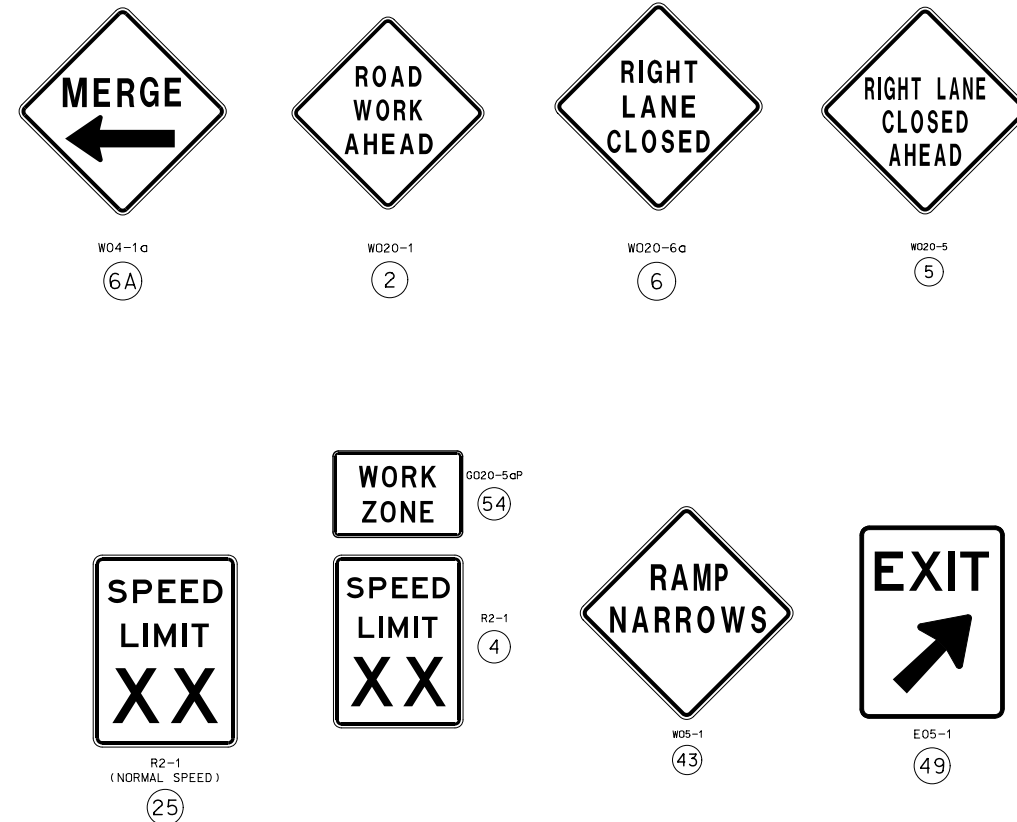
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

[illegible]

NOT TO SCALE



WORK IN THE VICINITY
OF AN EXIT RAMP



NOTES:

- SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.
- REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED
- (3) 5 CHANNELIZER DEVICES MINIMUM
- IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.
- FOR NIGHTTIME OPERATIONS, REVIEW EPG 616.6.83 WARNING LIGHTS FOR USE OF SEQUENTIAL LIGHTS.
- FOR FLAGS AND ADVANCE WARNING RAIL SYSTEM, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCE WARNING RAIL SYSTEM.
- REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	-	200	70	245	280	35	40
40-45	-	500	150	540	400	40	80
50-55	-	1000	185	660	560	50	80
60-70	-	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

STATE OF MISSOURI
GARLAND L. HILLNER
NUMBER PE-25740
PROFESSIONAL ENGINEER
Garland L. Hillner
07/28/2025 7:51:22 AM
GARLAND L. HILLNER - CIVIL
MO-PE-25740

DATE PREPARED
7/28/2025

ROUTE 1-55, I-70, I-255
DISTRICT SL
COUNTY ST. LOUIS CITY
ST. LOUIS COUNTY
JOB NO. J613662
CONTRACT ID.

PROJECT NO.

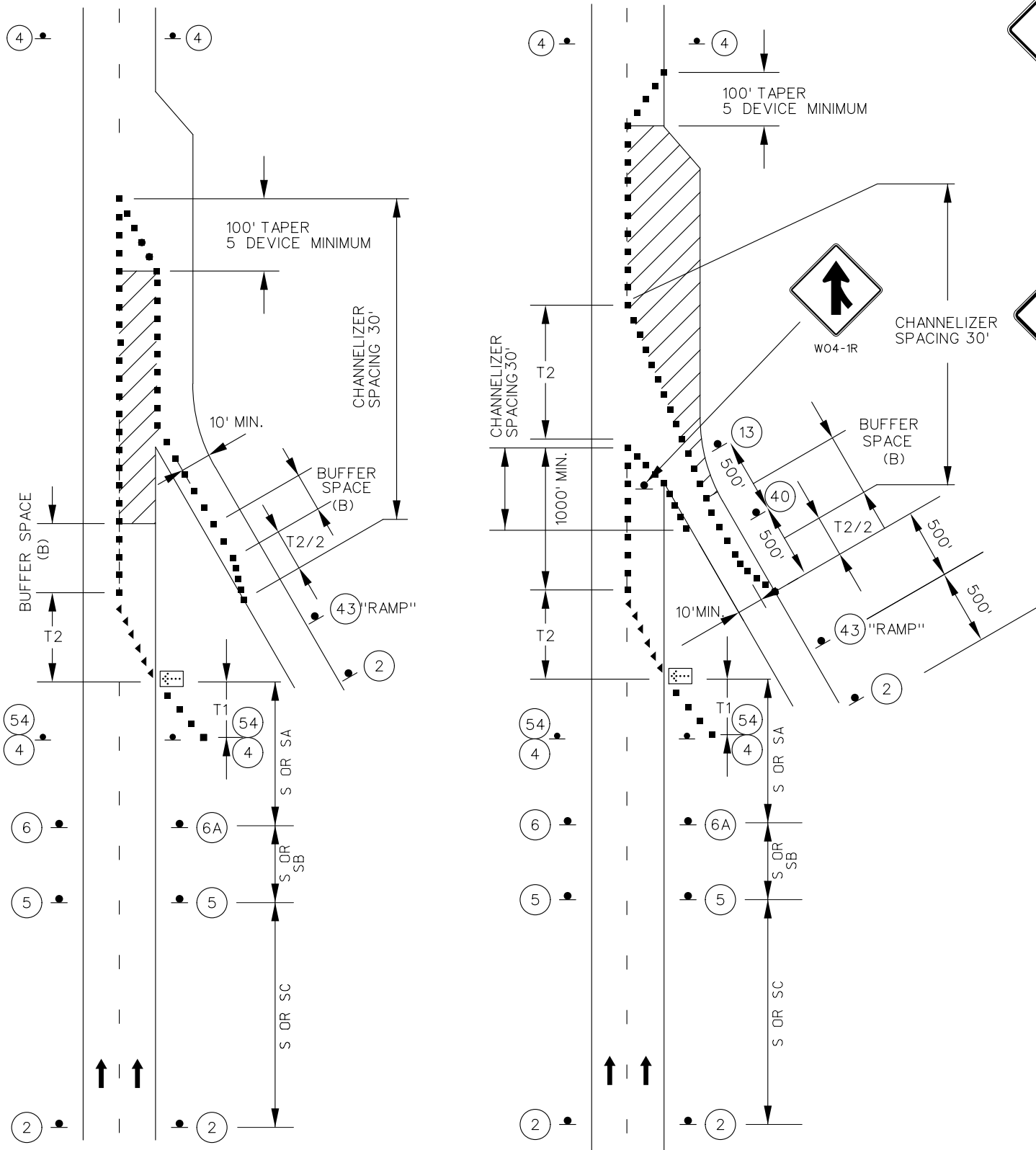
BRIDGE NO.

DESCRIPTION

DATE

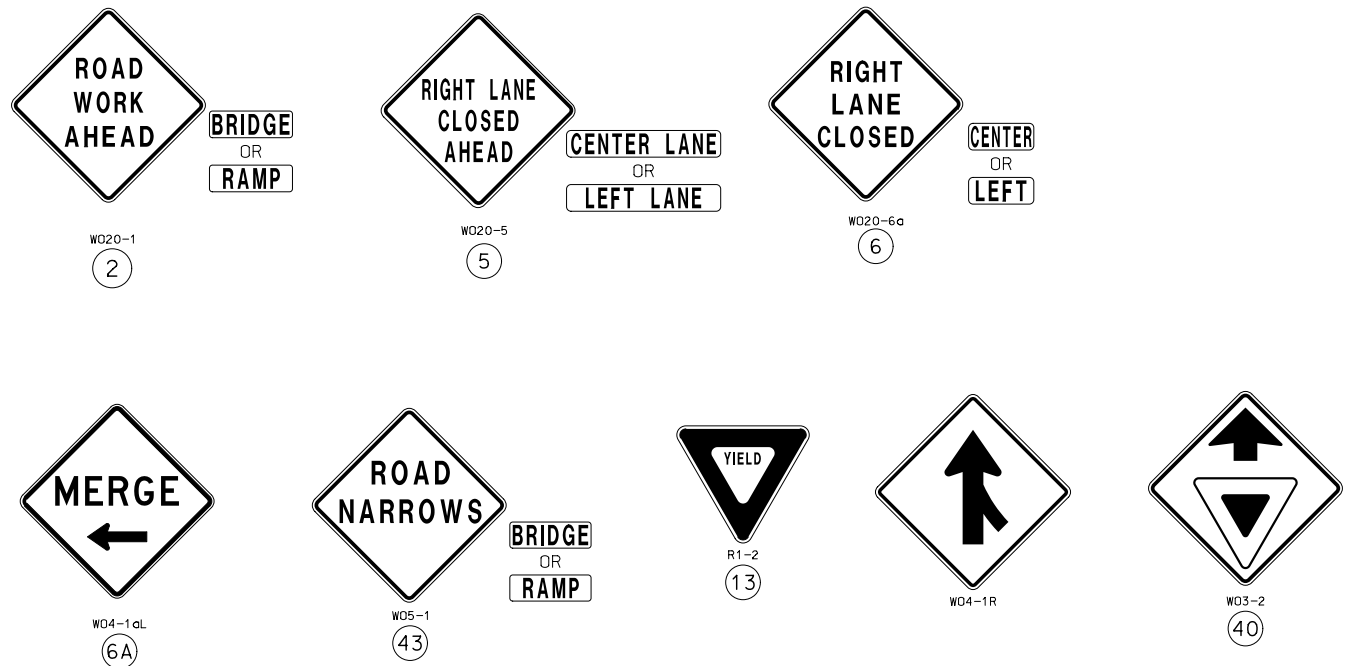
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
TA-42
WORK IN THE VICINITY
OF AN EXIT RAMP



WORK IN THE VICINITY
OF AN ENTRANCE RAMP

NOT TO SCALE



NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

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

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED.

YIELD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC. WHERE INADEQUATE ACCELERATION DISTANCE EXISTS FOR THE TEMPORARY ENTRANCE, THE YIELD SIGN SHALL BE REPLACED WITH STOP SIGNS (ONE ON EACH SIDE OF THE APPROACH).

IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.

FOR NIGHTTIME OPERATIONS, REVIEW EPG 616.6.83 WARNING LIGHTS FOR USE OF SEQUENTIAL LIGHTS.

FOR FLAGS AND ADVANCE WARNING RAIL SYSTEM, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCE WARNING RAIL SYSTEM.

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES.

FOR RAMP WITH SHARP CURVES OR MULTIPLE LANES, RAMP SIGNS MAY BE PLACED ON BOTH SIDES OF THE RAMP.

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.

- TRAFFIC CONTROL LEGEND**
- SIGN (SINGLE SIDED)
 - CHANNELIZER (TRIM-LINE)
 - ▨ WORK AREA
 - ⬢ FLASHING ARROW PANEL
 - ◀ DIRECTIONAL INDICATOR BARRICADES

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.)	
	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120

1. Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

STATE OF MISSOURI
GARLAND L. HILLNER
NUMBER PE-25740
PROFESSIONAL ENGINEER
07/28/2025 7:51:47 AM
GARLAND L. HILLNER - CIVIL
MO-PE-25740

DATE PREPARED
7/28/2025

ROUTE
I-55, I-70,
I-255

DISTRICT
SL

STATE
MO

SHEET NO.
10

COUNTY
ST. LOUIS CITY
ST. LOUIS COUNTY

JOB NO.
J613662

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)

TRAFFIC CONTROL SHEET
TA-44
WORK IN THE VICINITY
OF AN ENTRANCE RAMP

[illegible]