

DESIGN DESIGNATION

CRD MARBLE HLL RD

A.A.D.T. - 2026 = 486
A.A.D.T. - 2036 = 519
D.H.V. = 8.65%
T = N/A
V = 30 M.P.H.

FUNCTIONAL CLASSIFICATION - LOCAL

RTE T

A.A.D.T. - 2026 = 4928
A.A.D.T. - 2036 = 5180
D.H.V. = 9.51%
T = 7.73%
V = 40 M.P.H.

FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

BU 60

A.A.D.T. - 2026 = 14362
A.A.D.T. - 2036 = 16369
D.H.V. = 7.70%
T = 10.79%
V = 55 M.P.H.

FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL

RTE DD

A.A.D.T. - 2026 = 385
A.A.D.T. - 2036 = 404
D.H.V. = 8.75%
T = 11.72%
V = 55 M.P.H.

FUNCTIONAL CLASSIFICATION - MINOR COLLECTOR

NO NEW R/W

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		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

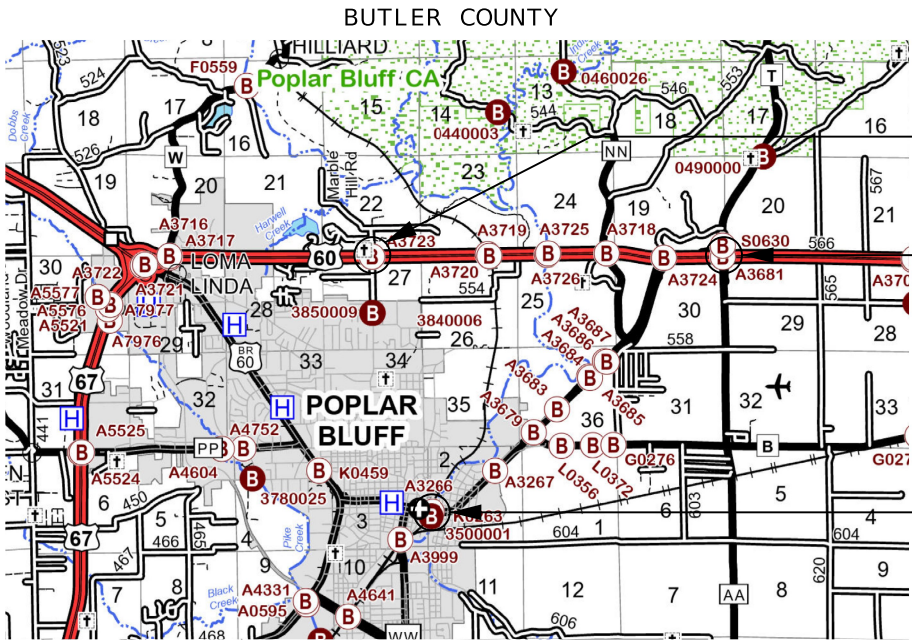
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
BUTLER, DUNKLIN COUNTIES



KEY MAP

LOCATION OF BUTLER,
DUNKLIN COUNTIES

BRIDGE PAINTING



CRD MARBLE HILL RD
BRIDGE# A3723

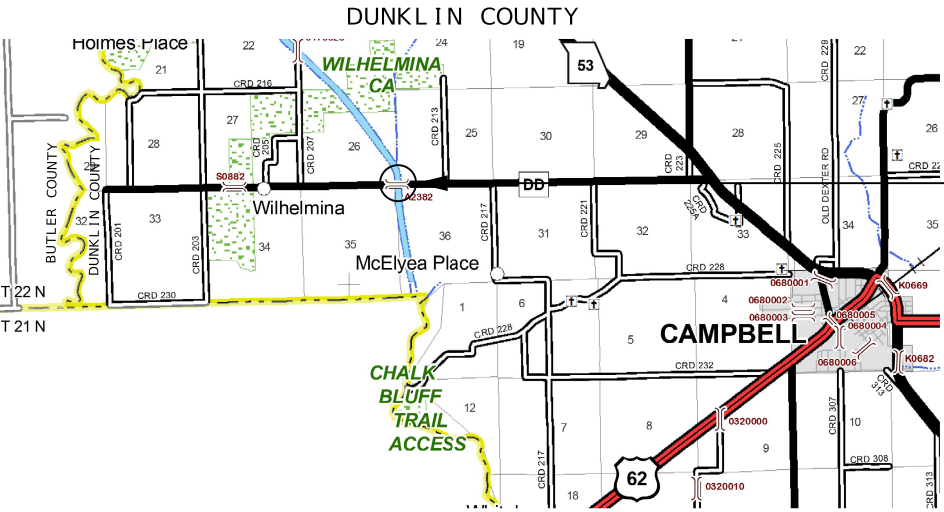
LM 1.214 TO LM 1.264

RTE T
BRIDGE# A3681

LM 19.474 TO LM 19.522

BU 60
BRIDGE# A3266

LM 4.122 TO LM 4.204



SIGN	SIZE	AREA	QTY	TOTAL AREA	RELOC	TOTAL RELOC	SIGN	DESCRIPTION	SIGN	SIZE	AREA	QTY	TOTAL	RELOC	TOTAL RELOC	SIGN	DESCRIPTION	ITEM	TOTAL	EFFECTIVE: 07-01-2025	
	IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NO.			IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NO.		NUMBER	QTY	DESCRIPTION	
WARNING SIGNS									GUIDE SIGNS									6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)	
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00						GORE EXIT	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)	
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00						EXIT OPEN	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)	
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00						EXIT CLOSED	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)	
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)	
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00						END ROAD WORK	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)	
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL	
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122030		IMPACT ATTENUATOR (RELOCATION)	
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00	4	24.00				WORK ZONE (PLAQUE)	6122040		WORK ZONE CRASH CUSHION (NARROW)	
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00						END DETOUR	6122041		WORK ZONE CRASH CUSHION (RELOCATION)	
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6123001	1	TRUCK MOUNTED ATTENUATOR (TMA)	
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)	
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)	
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)	
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161020		CHANNELIZER (DRUM-LIKE)	
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161022		CHANNELIZER (CONE)	
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161025	130	CHANNELIZER (TRIM-LINE)	
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93						YIELD	6161026		CHANNELIZER (VERTICAL PANEL)	
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161030		TYPE 3 MOVEABLE BARRICADE	
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161033	45	DIRECTION INDICATOR BARRICADE	
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	8	96.00				SPEED LIMIT XX	6161040	2	FLASHING ARROW PANEL	
WO3-4	48X48	16.00						BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161047		TYPE 3 OBJECT MARKER	
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161055		SEQUENTIAL FLASHING WARNING LIGHT	
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS	6161070		TUBULAR MARKER	
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM	
WO4-1aL	48X48	16.00						MERGE (LEFT)	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT	6161096	2	CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED	
WO4-1aR	48X48	16.00						MERGE (RIGHT)	R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT			CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-1	48X48	16.00	2	32.00				ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS	6161098A		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE	6161099	1	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO5-5	48X48	16.00						NARROW LANES	R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)			CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED	
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM	
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS	
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6173600D	1	TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED	
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)			TEMPORARY TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED	
WO8-1	48X48	16.00						BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)	6173700B	1	TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED	
WO8-2	48X48	16.00						DIP	R6-2L	24X30	5.00						ONE WAY (LEFT)			TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION, CONTRACTOR FURNISHED/RETAINED	
WO8-3	48X48	16.00						PAVEMENT ENDS	R6-2R	24X30	5.00						ONE WAY (RIGHT)	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED	
WO8-4	48X48	16.00						SOFT SHOULDER	R9-9	24X12	2.00						SIDEWALK CLOSED	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER	
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE	6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED	
WO8-6	48X48	16.00						TRUCK CROSSING	R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS	
WO8-6c	48X48	16.00						TRUCK ENTRANCE	R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)	6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT	
WO8-7	36X36	9.00						LOOSE GRAVEL	R11-2	48X30	10.00						ROAD CLOSED	6208064A		TEMPORARY RAISED PAVEMENT MARKER	
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL	R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD	9029400		TEMPORARY TRAFFIC SIGNALS	
WO8-9	48X48	16.00						LOW SHOULDER	R11-4	60X30	12.50						LOCAL TRAFFIC ONLY	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	
WO8-11	48X48	16.00						UNEVEN LANES	CONST-3A	60X48	20.00						FINE SIGN				
WO8-12	48X48	16.00						NO CENTER LINE	CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)				
WO8-15	48X48	16.00						GROOVED PAVEMENT	MISCELLANEOUS SIGNS												
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	CONST-5	48X36	12.00						POINT OF PRESENCE				
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	CONST-5	96X48	32.00						POINT OF PRESENCE				
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)	CONST-8	48X36	12.00						WORK ZONE NO PHONE ZONE				
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)													
WO10-1	42RND.	9.62						RAILROAD CROSSING	WO4-2L	48X48	16.00	4	64.00				LEFT LANE ENDS				
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)	WO4-2R	48X48	16.00	4	64.00				RIGHT LANE ENDS				
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	12	192.00				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	4	64.00				ONE LANE ROAD AHEAD	616-10.05	TOTAL											
WO20-5	48X48	16.00	4	64.00				RIGHT/CENTER/LEFT LANE CLOSED AHEAD	CONSTRUCTION SIGNS				696								
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	616-10.10												
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED	RELOCATED SIGNS												
WO20-7a	48X48	16.00	4	64.00				FLAGGER (SYMBOL)													
WO21-2	36X36	9.00						FRESH OIL													
WO21-5	48X48	16.00	2	32.00				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)													

MOBILIZATION

1 LUMP SUM

SUMMARY OF QUANTITIES
SHEET 1 OF 1

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

STATE OF MISSOURI
CHRISTOPHER CROCKER
PROFESSIONAL ENGINEER
NUMBER PE-2016017611
07/24/2026 11:08:59 AM
CHRISTOPHER CROCKER - CIVIL
MO-PE-2016017611
DATE PREPARED
6/30/2026
ROUTE
STATE
VAR
MO
DISTRICT
SHEET NO.
SE
3
COUNTY
DUNKLIN/BUTLER
JOB NO.
JSE0095
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION

DATE

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

MODOT

* NO DIRECT PAYMENT FOR RELOCATION OF TEMPORARY TRAFFIC CONTROL SIGNS OR DEVICES

Sign Spacing, Device Spacing and Channelizing Taper Lengths

ROAD TYPE	SIGN SPACING A, B, C (ft.) (1) (2)		
	A	B	C
URBAN (low speed)	100	100	100
URBAN (high speed)	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640
(1) THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.			
(2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.			

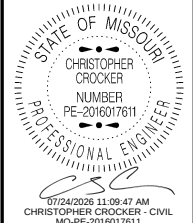
PERMANENT POSTED SPEED (mph)	MINIMUM TAPER LENGTH (ft.)						OPTIONAL BUFFER LENGTH (ft.)	MAXIMUM CHANNELIZER SPACING (3) (4) (ft.)	
	SHOULDER (T1)			LANE (T2)				TAPERS	BUFFER/ WORK AREAS
	10 FT SHLDR	11 FT SHLDR	12 FT SHLDR	10 FT LANE	11 FT LANE	12 FT LANE			
0-35	70	75	85	205	225	245	250	35	70
40-45	150	165	180	450	495	540	360	40	80
50-55	185	200	220	550	605	660	495	50	100
60-70	235	255	280	700	770	840	730	60	120
(3) SPACING SHALL BE REDUCED TO ½ AT INTERSECTIONS.									
(4) CHANNELIZER SPACING FOR FLAGGING OPERATIONS SHALL BE 20' WITH A MINIMUM TAPER LENGTH OF 50' AND A MAXIMUM TAPER LENGTH OF 100'.									

GENERAL NOTES:

- (1) SEE STANDARD PLAN 616.10BF FOR DETAILS AND ITEMS NOT SHOWN.
- (2) EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
- (3) NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING, OR REMOVING SIGNS.
- (4) LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE; ARROWS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.
- (5) ALL LOG MILES, SPACING, AND DISTANCES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE AND MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

TRAFFIC CONTROL LEGEND

-  SIGN (SINGLE SIDED)
-  SIGN (DOUBLE SIDED)
-  FLAGGER
-  DIRECTIONAL INDICATOR BARRICADE
-  CHANNELIZER
-  BARRICADE
-  CHANGEABLE MESSAGE BOARD
-  TRUCK MOUNTED ATTENUATOR
W/ FLASHING ARROW
-  ARROW PANEL
-  PORTABLE TRAFFIC SIGNAL



DATE PREPARED
6/30/2026

ROUTE
VAR

DISTRICT
SE

STATE
MO

SHEET NO.
4

COUNTY
DUNKLIN/BUTLER

JOB NO.
JSE0095

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)



WO20-1
(2)

BRIDGE
OR
RAMP



WO20-4
(7)



WO20-7a
(8)



WO21-5
(21)



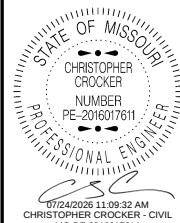
WO5-1
(43)

* OMIT SIGN 43 FOR NO
TRAVELWAY ENCROACHMENT.

BRIDGE
OR
RAMP

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◁ FLAGGER
- CHANNELIZER
- TRUCK MOUNTED
ATTENUATOR (TMA)



DATE PREPARED

6/30/2026

ROUTE STATE

VAR MO

DISTRICT SHEET NO.

SE 5

COUNTY

DUNKLIN/BUTLER

JOB NO.

JSE0095

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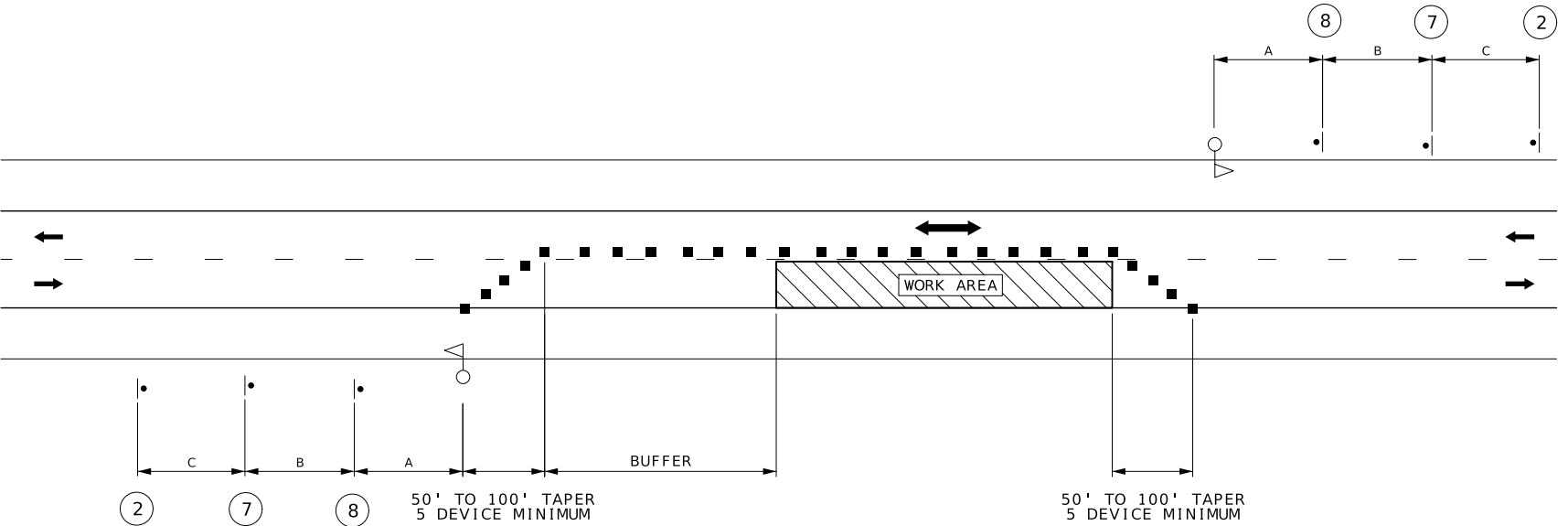
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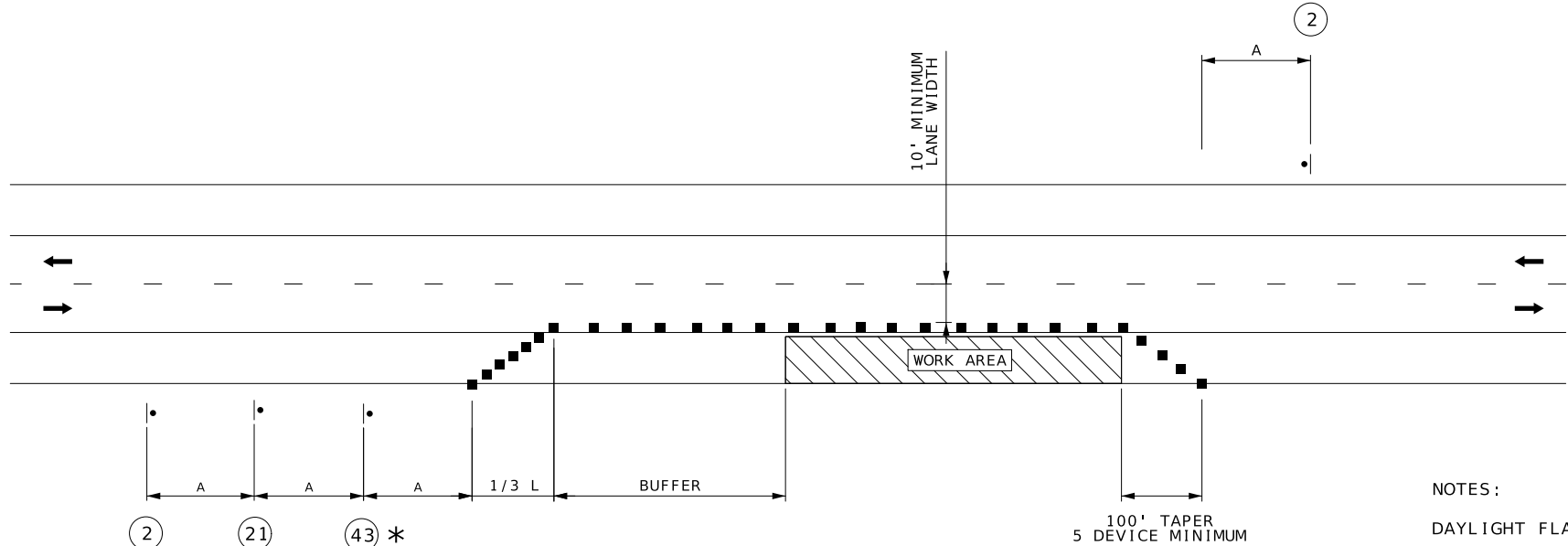
DATE

DATE

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.



LANE CLOSURE
USING FLAGGERS



SHOULDER WORK

NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

DISTANCE MY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.

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

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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JEFFERSON CITY, MO 65102
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MoDOT

