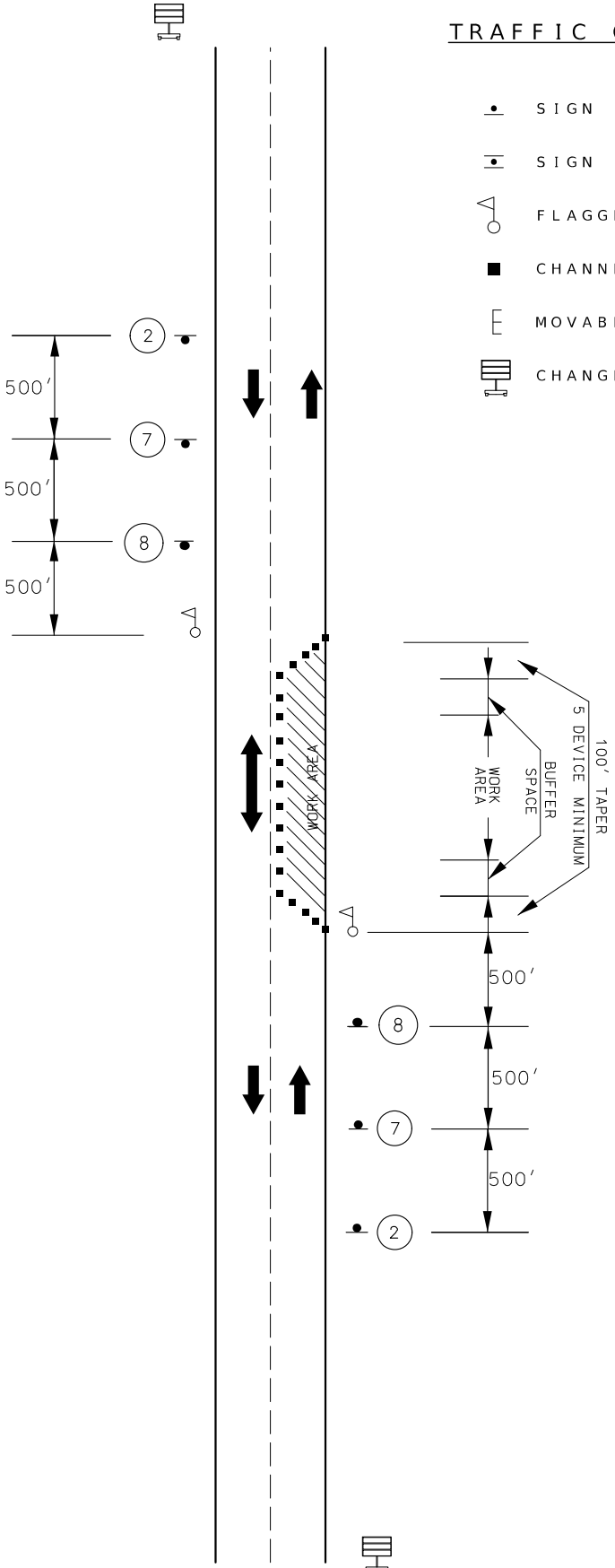


TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- ◁ FLAGGER
- CHANNELIZER
- E MOVABLE BARRICADE (PLAN VIEW)
- CHANGEABLE MESSAGE BOARD



LANE CLOSURE ON TWO-LANE
ROAD USING FLAGGERS
616.8.10 (TA-10)

BRIDGE
OR
RAMP
W025-6

ROAD
WORK
AHEAD
W020-1
2

ONE LANE
ROAD
AHEAD
W020-4
7

W020-7a
8

GROUND MOUNTED SIGN.
SHALL BE IN PLACE DURING DURATION OF PROJECT.

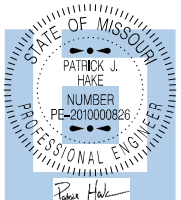
NOTES: AUTOMATED FLAGGER ASSISTANCE DEVICES (AFAD) AND PORTABLE SIGNAL FLAGGING DEVICES (PSFD) MAY BE USED AS AND ALTERNATIVE FLAGGING OPERATION.

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOT CANDLES (6.5 LUX).

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'

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3) (T2)			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'

- 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 ND VISIBILTY.
- (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER.



DATE PREPARED
9/26/2023

ROUTE DD	STATE MO
DISTRICT CD	SHEET NO. 3

COUNTY
MORGAN

JOB NO.
J553440B

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)

BRIDGE - A1382 (RTE K)
A.A.D.T. - 2022 = 450
V = 55 M.P.H.
FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

A.A.D.T. - 2022 = 30477
V = 70 M.P.H.

A.A.D.T. - 2022 = 30477
V = 70 M.P.H.

A.A.D.T. - 2022 = 210
V = 25 M.P.H.

A.A.D.T. - 2022 = 809
V = 55 M.P.H.

A.A.D.T. - 2022 = 277
V = 55 M.P.H.

A.A.D.T. - 2022 = 277
V = 55 M.P.H.

A.A.D.T. - 2022 = 277
V = 55 M.P.H.

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		

FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0 ACRES
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EFFECTIVE: 04-01-2023																																									
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN								SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN								ITEM	TOTAL										
IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NUM.	DESCRIPTION							IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NUM.	DESCRIPTION							NUMBER	QTY	DESCRIPTION											
WARNING SIGNS							DESCRIPTION							GUIDE SIGNS							DESCRIPTION																				
WO1-1L	48X48	16.00					TURN (SYMBOL LEFT ARROW)							E05-1	36X48	12.00							GORE EXIT	6122008				IMPACT ATTENUATOR 40 MPH (SAND BARRELS)													
WO1-1R	48X48	16.00					TURN (SYMBOL RIGHT ARROW)							E05-2	48X36	12.00							EXIT OPEN	6122009				IMPACT ATTENUATOR 45 MPH (SAND BARRELS)													
WO1-2L	48X48	16.00					CURVE (SYMBOL LEFT ARROW)							E05-2a	48X36	12.00							EXIT CLOSED	6122010				IMPACT ATTENUATOR 50 MPH (SAND BARRELS)													
WO1-2R	48X48	16.00					CURVE (SYMBOL RIGHT ARROW)							GO20-1	60X24	10.00							ROAD WORK NEXT XX MILES	6122012				IMPACT ATTENUATOR 55 MPH (SAND BARRELS)													
WO1-3L	48X48	16.00					REVERSE TURN (SYMBOL LEFT ARROW)							GO20-2	48X24	8.00							END ROAD WORK	6122014				IMPACT ATTENUATOR 60 MPH (SAND BARRELS)													
WO1-3R	48X48	16.00					REVERSE TURN (SYMBOL RIGHT ARROW)							GO20-4	36X18	4.50							PILOT CAR FOLLOW ME	6122017				IMPACT ATTENUATOR 65 MPH (SAND BARRELS)													
WO1-4L	48X48	16.00					REVERSE CURVE (SYMBOL LEFT ARROW)							GO20-4a	42X30	8.75							PILOT CAR IN USE WAIT & FOLLOW	6122019				IMPACT ATTENUATOR 70 MPH (SAND BARRELS)													
WO1-4R	48X48	16.00					REVERSE CURVE (SYMBOL RIGHT ARROW)							GO20-4a	18X12	1.50							PILOT CAR IN USE WAIT & FOLLOW	6122020				REPLACEMENT SAND BARREL													
WO1-4bL	48X48	16.00					DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)							GO20-5aP	36X24	6.00	4	24				54	WORK ZONE (PLAQUE)	6122030				IMPACT ATTENUATOR (RELOCATION)													
WO1-4bR	48X48	16.00					DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)							MO4-8a	24X18	3.00							END DETOUR	6123000A				TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)													
WO1-4cL	48X48	16.00					TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)							MO4-9L	48X36	12.00							DETOUR (LEFT ARROW)	6161008	4			ADVANCED WARNING RAIL SYSTEM													
WO1-4cR	48X48	16.00					TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)							MO4-9R	48X36	12.00							DETOUR (RIGHT ARROW)	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)	6161025	75			CHANNELIZER (TRIM LINE)													
WO1-7a	72X36	18.00					DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)							REGULATORY SIGNS														6161030			TYPE III MOVEABLE BARRICADE										
WO1-8	18X24	3.00					CHEVRON (SYMBOL)							R1-1	48X48	13.25							STOP	6161033	16			DIRECTION INDICATOR BARRICADE													
WO1-8a	30X36	7.50					CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)							R1-2	48TRI	6.93							YIELD	6161040	1			FLASHING ARROW PANEL													
WO3-1	48X48	16.00					STOP AHEAD (SYMBOL)							R1-2a	36X36	9.00							TO ONCOMING TRAFFIC (PLAQUE)	6161047				TYPE III OBJECT MARKER													
WO3-2	48X48	16.00					YIELD AHEAD (SYMBOL)							R1-3P	30X12	2.50							ALL WAY (PLAQUE)	6161055	16			SEQUENTIAL FLASHING WARNING LIGHT													
WO3-3	48X48	16.00					SIGNAL AHEAD (SYMBOL)							R2-1	36X48	12.00	2	24				4	SPEED LIMIT 60	6161070				TUBULAR MARKER													
WO3-4	48X48	16.00					BE PREPARED TO STOP							R2-1	36X48	12.00	2	24				25	SPEED LIMIT 70	6161095				RADAR SPEED ADVISORY SYSTEM													
WO3-5	48X48	16.00					SPEED LIMIT AHEAD							R3-2	48X48	16.00							NO LEFT TURN (SYMBOL)	6161096																	
WO4-1L	48X48	16.00					MERGE (SYMBOL FROM LEFT)							R3-3	36X36	9.00							NO TURNS																		
WO4-1R	48X48	16.00					MERGE (SYMBOL FROM RIGHT)							R3-4	48X48	16.00							NO U-TURN (SYMBOL)																		
WO4-1aL	48X48	16.00	1	16			6A MERGE (ARROW SYMBOL)							R3-7L	30X30	6.25							LEFT LANE MUST TURN LEFT	6161098A	3																
WO4-1aR	48X48	16.00	1	16			6A MERGE (ARROW SYMBOL)							R3-7R	30X30	6.25							RIGHT LANE MUST TURN RIGHT																		
WO5-1	48X48	16.00	2	32			43 ROAD/BRIDGE/RAMP NARROWS							R4-1	36X48	12.00	2	24				46	DO NOT PASS																		
WO5-3	48X48	16.00					ONE LANE BRIDGE							R4-2	36X48	12.00	2	24				46A	PASS WITH CARE	6162000A				WORK ZONE TRAFFIC SIGNAL SYSTEM													
WO5-5	48X48	16.00					NARROW LANES							R4-8a	36X48	12.00							KEEP LEFT (HORIZONTAL ARROW)	6162002				TEMPORARY LONG-TERM RUMBLE STRIPS													
WO6-1	48X48	16.00					DIVIDED HIGHWAY (SYMBOL)							R4-7a	36X48	12.00							KEEP RIGHT (HORIZONTAL ARROW)	6173600D																	
WO6-2	48X48	16.00					DIVIDED HIGHWAY END (SYMBOL)							R5-1	30X30	6.25							DO NOT ENTER																		
WO6-3	48X48	16.00					TWO WAY TRAFFIC (SYMBOL)							R5-1a	36X24	6.00							WRONG WAY																		
WO7-3a	30X24	5.00					NEXT XX MILES (PLAQUE)							R6-1L	54X18	6.75							ONE WAY ARROW (LEFT)	6173602B				CONTRACTOR FURNISHED/COMMISSION RETAINED													
WO8-1	48X48	16.00					BUMP							R6-1R	54X18	6.75							ONE WAY ARROW (RIGHT)	6174000A				TEMP. TRAFFIC BARRIER HEIGHT TRANSITION													
WO8-2	48X48	16.00					DIP							R6-2L	24X30	5.00							ONE WAY (LEFT)	6175010A				RELOCATING TEMPORARY TRAFFIC BARRIER													
WO8-3	48X48	16.00					PAVEMENT ENDS							R6-2R	24X30	5.00							ONE WAY (RIGHT)	6176000B																	
WO8-4	48X48	16.00					SOFT SHOULDER							R9-9	24X12	2.00							SIDEWALK CLOSED																		
WO8-5	48X48	16.00					SLIPPERY WHEN WET (SYMBOL)							R9-11L	24X18	3.00							SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE																		
WO8-6	48X48	16.00					TRUCK CROSSING (WITH FLAGS)							R9-11R	24X18	3.00							SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE	6177000B				TEMP. TRAFFIC BARRIER HEIGHT TRANSITION													
WO8-6c	48X48	16.00					TRUCK ENTRANCE							R10-6	24X36	6.00							STOP HERE ON RED (45^ ARROW)	6208064A				TEMPORARY RAISED PAVEMENT MARKER													
WO8-7	36X36	9.00					LOOSE GRAVEL							R11-2	48X30	10.00							ROAD CLOSED	9029400				TEMPORARY TRAFFIC SIGNALS													



BRIDGE #N0983
ROUTE U OVER PETITE SALINE CREEK



DATE PREPARED 9/25/2023	
ROUTE VARIES	STATE MO
DISTRICT CD	SHEET NO. 3
COUNTY COOPER	
JOB NO. JCD0012	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

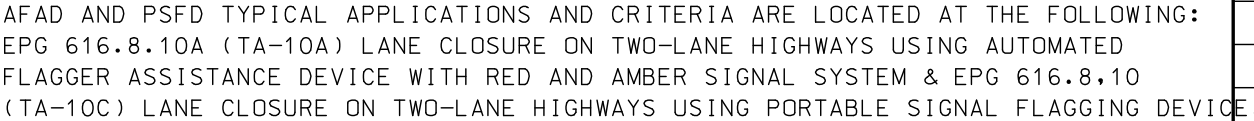
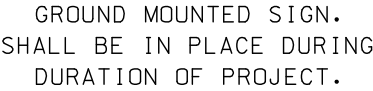
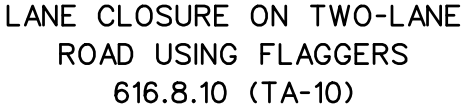
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOT CANDLES (6.5 LUX).

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

WHERE 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 AND AS APPROVED BY THE ENGINEER.

CMS TO BE LOCATED AS APPROVED BY THE ENGINEER.

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'

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (T2)			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'

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.

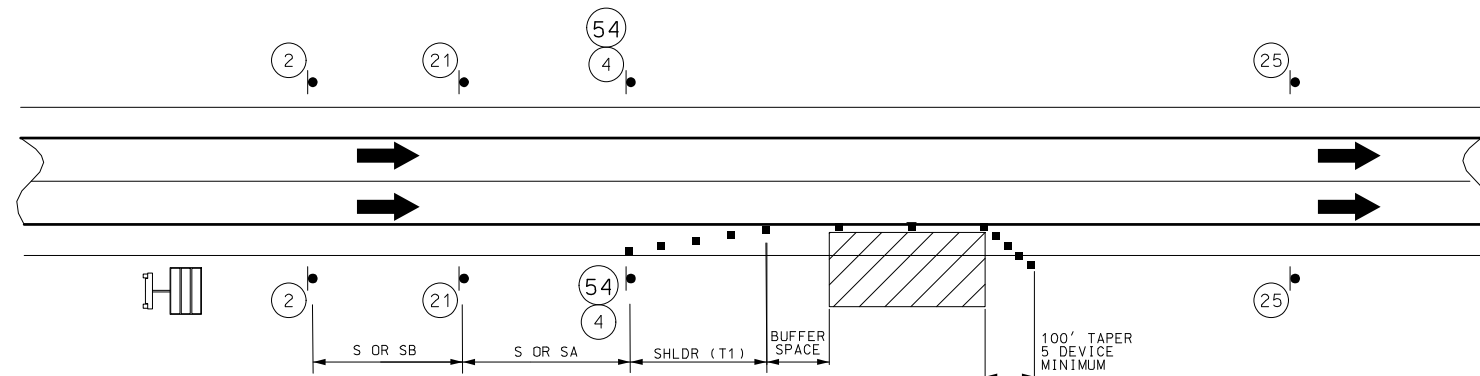
TEMPORARY TRAFFIC CONTROL SHEET
LANE CLOSURE ON 2-LANE ROAD
USING FLAGGERS
SHEET 1 OF 2

NOT TO SCALE

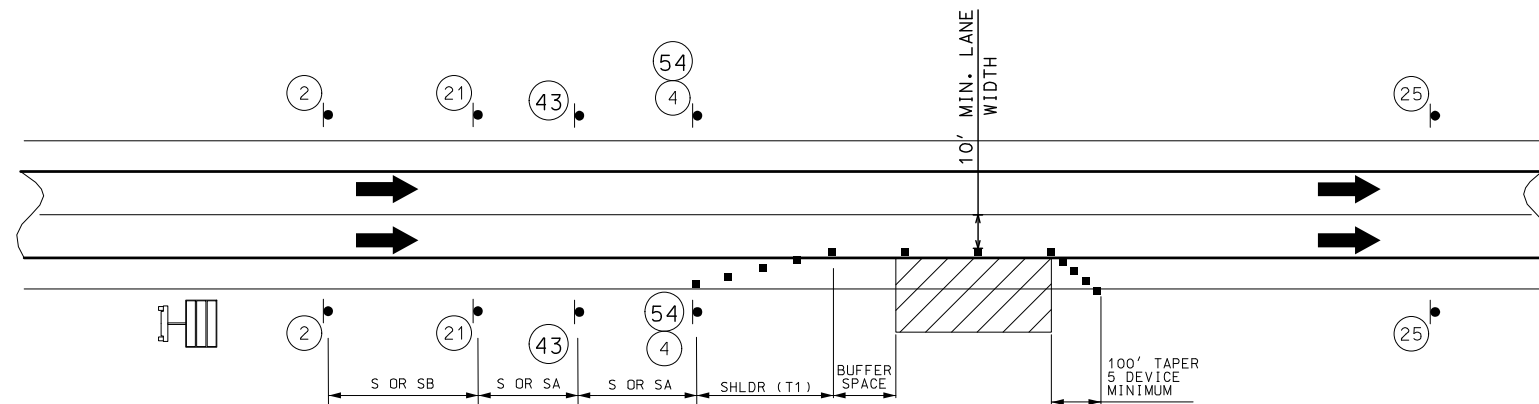
[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

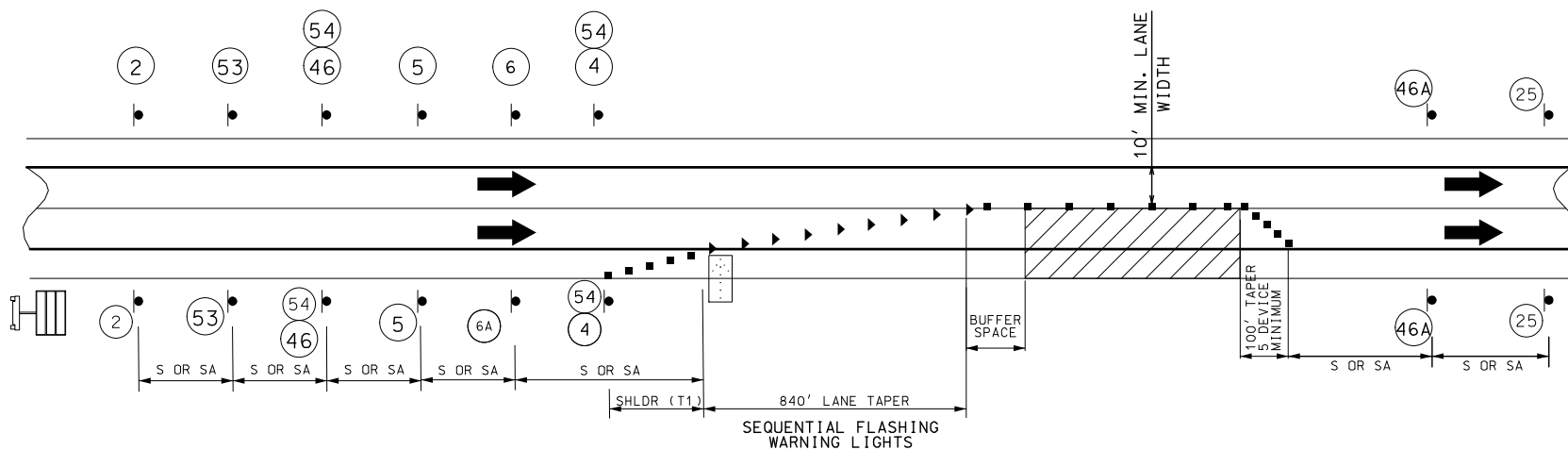
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



SHOULDER CLOSURE - NO TRAVELWAY ENCROACHMENT



SHOULDER CLOSURE - MINOR TRAVELWAY ENCROACHMENT



TEMPORARY LANE CLOSURE

ROAD WORK AHEAD

RIGHT LANE CLOSED AHEAD

CENTER LANE OR LEFT LANE

RIGHT LANE CLOSED

MERGE

MERGE

SHOULDER WORK AHEAD

ROAD NARROWS

BRIDGE OR RAMP

DO NOT PASS

PASS WITH CARE

MIN. \$250 FINE SPEEDING WHEN WORKERS PRESENT

SPEEDING/PASSING

WORK ZONE

GROUND MOUNTED SIGN. SHALL BE IN PLACE DURING DURATION OF PROJECT.

NOTES:

LAYOUTS ARE TYPICAL FOR EITHER LANE IN EITHER DIRECTION

ALL THROUGH LANES TO BE OPENED TO TRAFFIC DURING NON-WORKING HOURS.

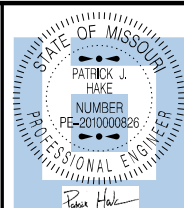
SIGN (4) MAY BE MOVED UPSTREAM IF THE ENGINEER DEEMS THE WORK ZONE REQUIRES ADVANCE SPEED LIMIT NOTIFICATION.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S ROTATING LIGHTS OR STROBE LIGHTS.

SEE TRAFFIC CONTROL SHEET 2 OF 3 FOR SIGN/DEVICE SPACING, BUFFER AND TAPER LENGTHS.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- DIRECTIONAL INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHTS
- CHANNELIZER
- WORK ZONE
- FLASHING ARROW PANEL



STATE OF MISSOURI
DATE PREPARED 9/25/2023
ROUTE VARIES
DISTRICT CD
COUNTY COOPER
JOB NO. JCD0012
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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