



BID QUANTITIES PARTIAL DEPTH POLYMER CONCRETE REPAIR							
ROADWAY	SECTION	LOG MILE	LOG MILE	HOT POLYMER PATCHING (SY)	HOT POLYMER CONC. PATCHING (CF)	REMOVAL, FURNISHING AND PLACING HOT POLYMER CONCRETE PATCHING MATERIAL FOR CLASS A PARTIAL DEPTH REPAIR (LBS)	REMARKS
I-55	US-67 TO JEFFERSON COUNTY LINE	197.508	192.835	241.33	542.99	62443.85	INCLUDE RAMPS
MO-340	I-64 TO LEA OAK DR	4.591	3.826	117.78	265.01	30476.15	LOOP DETECTORS COULD BE PRESENT
N OR 44	CENTRAL AVE TO MO-109	4.015	4.273	230.22	518.00	59570.00	LOOP DETECTORS COULD BE PRESENT
MO-100 EB	MANCHESTER RD TO RUCK RD	97.316	98.237	189.11	425.50	48932.50	LOOP DETECTORS COULD BE PRESENT
I-70	S 5TH ST TO LAKE ST LOUIS BLVD	214.06	229.5	514.67	1158.01	133171.15	INCLUDE RAMPS AND CROSS ROADS
S OR 70	SPENCER LOOP SOUTH TO BJC ST PETERS DR	0.450	1.453	50.67	114.01	13111.15	LOOP DETECTORS COULD BE PRESENT
BRYAN RD	RAMP I-70 W TO RAMP I-70 E	2.807	2.703	150	337.50	38812.50	LOOP DETECTORS COULD BE PRESENT, INCLUDE RAMPS
ROUTE A	E PITMAN LOOP RD TO RAMP I-70 E	3.240	3.371	80	180.00	20700.00	LOOP DETECTORS COULD BE PRESENT
FREYMUTH RD	RAMP I-70 E TO SOUTH OUTER RD	1.154	1.100	16.00	36.00	4140.00	LOOP DETECTORS COULD BE PRESENT
S OR 70	ASHLEY TO GASCONY DR	0.808	1.286	120	270.00	31050.00	
SUB TOTAL						442407.30	
PAY TOTAL						442407.00	

VARIABLE SCOPE PARTIAL DEPTH POLYMER CONCRETE REPAIR							
ROADWAY	SECTION	LOG MILE	LOG MILE	HOT POLYMER PATCHING (SY)	HOT POLYMER CONC. PATCHING (CF)	REMOVAL, FURNISHING AND PLACING HOT POLYMER CONCRETE PATCHING MATERIAL FOR CLASS A PARTIAL DEPTH REPAIR (LBS)	REMARKS
LEFFINGWELL AVE	S HOLMES AVE TO END OF MODOT MAINTENANCE	0.812	0.657	58.50	131.63	15137.45	
US-67	CINDER RD TO LINDBERGH BLVD	194.307	191.8	125.00	281.25	32343.75	

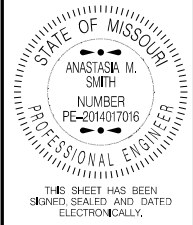
- \* ALL QUANTITIES ARE AN ESTIMATE AND MAY VARY. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
- \* TYPICAL 3 INCH DEPTH USED. USE 115 LBS/CF
- \* THE CONTRACTOR SHALL NOT MAKE REPAIRS WITHIN DETECTOR LOOPS WITHOUT PERMISSION OF THE ENGINEER
- \* REPAIRS MAY BE A MINIMUM OF 6" WIDE AT DISCRETION OF THE ENGINEER

BID QUANTITIES LOOP DETECTOR				
LOCATION	ROADWAY	6' x 30'	6' x 15'	6' x 6'
		LOOP DETECTOR (EA)	LOOP DETECTOR (EA)	LOOP DETECTOR (EA)
VAR I O U S	VAR I O U S	3.00	3.00	3.00
	TOTALS	3.00	3.00	3.00
	PAY TOTALS	3	3	3

LOCATIONS TO BE DETERMINED BY THE ENGINEER AND MAY BE PLACED ON ANY ROUTE

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MOBILIZATION - TOTAL = 1.0 LUMP SUM



DATE PREPARED  
12/1/2025

ROUTE  
VAR

STATE  
MO

DISTRICT  
SL

SHEET NO.  
2

COUNTY  
ST. CHARLES

ST. LOUIS

JOB NO.  
JSL0207

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

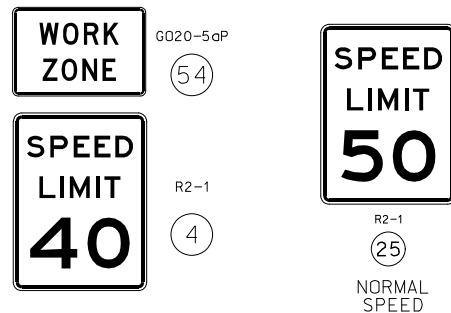
DESCRIPTION	DATE						

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



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

EFFECTIVE: 04-01-2023																						
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN			ITEM	TOTAL											
IN.	SQ. FT.	EACH	AREA	RELOC	RELOC	NUM.	SIGN	IN.	SQ. FT.	QTY	AREA	RELOC	RELOC	NUM.								
WARNING SIGNS							GUIDE SIGNS							DESCRIPTION		DESCRIPTION						
WO1-1L	48X48	16.00					TURN (SYMBOL LEFT ARROW)	E05-1	36X48	12.00	2	24			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	6	9			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	6	36			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	1 *	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		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	250	CHANNELIZER (TRIM LINE)				
WO1-7a	72X36	18.00					DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS							6161030	8	TYPE III MOVEABLE BARRICADE					
WO1-8	18X24	3.00					CHEVRON (SYMBOL)	R1-1	48X48	13.25					STOP	6161033	56	DIRECTION INDICATOR BARRICADE				
WO1-8a	30X36	7.50					CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI	6.93	2	13.86			YIELD	6161040	4	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	2	32			YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50					ALL WAY (PLAQUE)	6161055		SEQUENTIAL FLASHING WARNING LIGHT				
WO3-3	48X48	16.00					SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	24	288			SPEED LIMIT ***	6161070		TUBULAR MARKER				
WO3-4	48X48	16.00	2	32			BE PREPARED TO STOP	R3-1	48X48	16.00					NO RIGHT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM				
WO3-5	48X48	16.00					SPEED LIMIT AHEAD	R3-2	48X48	16.00					NO LEFT TURN (SYMBOL)	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED				
WO4-1L	48X48	16.00					MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00					NO TURNS	6161098A		CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED				
WO4-1R	48X48	16.00	2	32			MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00					NO U-TURN (SYMBOL)	6161099	8 *	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED				
WO4-1aL	48X48	16.00	5	80			MERGE (ARROW SYMBOL) LEFT	R3-7L	30X30	6.25	4	25			LEFT LANE MUST TURN LEFT	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM				
WO4-1aR	48X48	16.00	5	80			MERGE (ARROW SYMBOL) RIGHT	R3-7R	30X30	6.25					RIGHT LANE MUST TURN RIGHT	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS				
WO5-1	48X48	16.00	2	32			ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00					DO NOT PASS	6173600D		TEMPORARY TRAFFIC BARRIER				
WO5-3	48X48	16.00					ONE LANE BRIDGE	R4-2	36X48	12.00					PASS WITH CARE	6173602B		CONTRACTOR FURNISHED/RETAINED				
WO5-5	48X48	16.00					NARROW LANES	R4-8a	36X48	12.00					KEEP LEFT (HORIZONTAL ARROW)	6174000A		TEMPORARY TRAFFIC BARRIER				
WO6-1	48X48	16.00					DIVIDED HIGHWAY (SYMBOL)	R4-7a	36X48	12.00					KEEP RIGHT (HORIZONTAL ARROW)	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER				
WO6-2	48X48	16.00					DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25					DO NOT ENTER	6176000B		TEMPORARY TRAFFIC BARRIER				
WO6-3	48X48	16.00					TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00					WRONG WAY	6208064A		TEMPORARY RAISED PAVEMENT MARKER				
WO7-3a	30X24	5.00					NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75					ONE WAY ARROW (LEFT)	9029400		TEMPORARY TRAFFIC SIGNALS				
WO8-1	48X48	16.00					BUMP	R6-1R	54X18	6.75					ONE WAY ARROW (RIGHT)	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING				
WO8-2	48X48	16.00					DIP	R6-2L	24X30	5.00					ONE WAY (LEFT)							
WO8-3	48X48	16.00					PAVEMENT ENDS	R6-2R	24X30	5.00					ONE WAY (RIGHT)							
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							
WO8-6c	48X48	16.00					TRUCK ENTRANCE	R10-6	24X36	6.00					STOP HERE ON RED (45° ARROW)							
WO8-7	36X36	9.00					LOOSE GRAVEL	R11-2	48X30	10.00					ROAD CLOSED							
WO8-7a	36X36	9.00					FRESH OIL/LOOSE GRAVEL	R11-3a	60X30	12.50					ROAD CLOSED XX MILES AHEAD							
WO8-9	48X48	16.00					LOW SHOULDER	R11-4	60X30	12.50					LOCAL TRAFFIC ONLY							
WO8-11	48X48	16.00					UNEVEN LANES	CONST-3A	60X48	20.00					ROAD CLOSED TO THRU TRAFFIC							
WO8-12	48X48	16.00					NO CENTER LINE	CONST-3X	56X12	4.67					FINE SIGN							
WO8-15	48X48	16.00					GROOVED PAVEMENT	MISCELLANEOUS SIGNS							CONST-5	48X36	12.00					POINT OF PRESENCE
WO8-15P	30X24	5.00					MOTORCYCLE (PLAQUE)	CONST-5	96X48	32.00					POINT OF PRESENCE							
WO8-17	48X48	16.00					SHOULDER DROP-OFF (SYMBOL)	CONST-7	48X24	8.00					RATE OUR WORK ZONE							
WO8-17P	30X24	5.00					SHOULDER DROP-OFF (PLAQUE)	CONST-7	72X36	18.00					RATE OUR WORK ZONE							
W10-1	42RND.	9.62					RAILROAD CROSSING	CONST-8	48X36	12.00					WORK ZONE NO PHONE ZONE							
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 FE															









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

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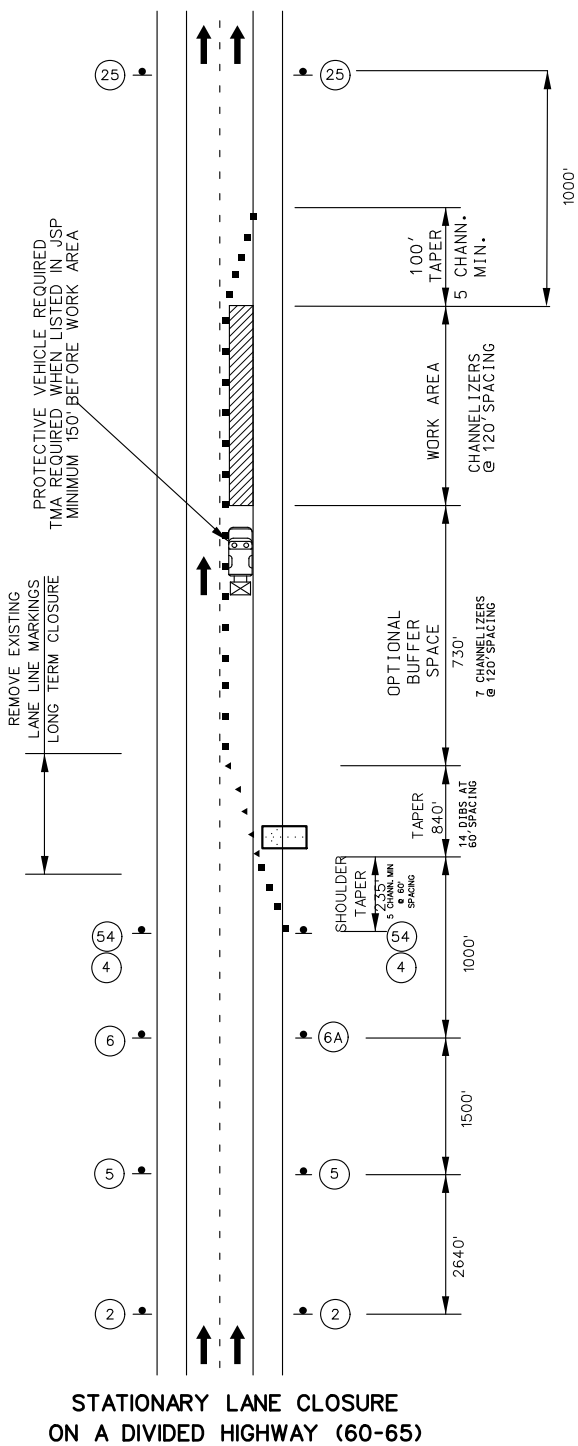
SPEED LIMIT <sup>1</sup> , MPH	SIGN SPACING <sup>2</sup> (ft.)		TAPER LENGTH <sup>3</sup> (ft.)		OPTIONAL	CHANNELIZER SPACING <sup>4</sup> (ft.)	
	UN-DIVIDED (S)	DIVIDED (S)	SHOULDER <sup>5</sup> (T1)	LANE <sup>6</sup> (T2)	BUFFER LENGTH, FT. (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200'	200'	70	245	250	35'	40'
40-45	350	500	150	540	360	40'	80'
50-55	500	1000	185	660	495	50'	80'
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	730	60'	120'

<sup>1</sup>SPEED LIMIT IS BASED ON POSTED SPEED LIMIT.  
<sup>2</sup>SIGN SPACING MAY BE ADJUSTED, NORMALLY BY INCREASING IT, TO ACCOMMODATE FIELD CONDITIONS AND VISIBILITY.  
<sup>3</sup>TAPER LENGTHING MAY BE ADJUSTED TO ACCOMMODATE CROSSROADS, CURVES, INTERSECTIONS, RAMPS OR OTHER GEOMETRIC FEATURES.  
<sup>4</sup>CHANNELIZER SPACING MAY BE REDUCED TO DISCOURAGE TRAFFIC ENCRoACHMENT.  
<sup>5</sup>BASED ON 10' TO SHOULDER WIDTH.  
<sup>6</sup>BASED ON 12 FT. LANE WIDTH.  
<sup>7</sup>FOR URBAN LOW SPEED, MINIMUM RECOMMENDED SPACING IN MUTCD IS 100 FT.  
<sup>8</sup>SPACING REDUCED TO 1/2 AT INTERSECTIONS.  
<sup>9</sup>SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

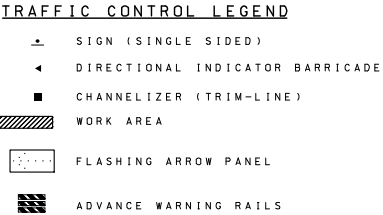
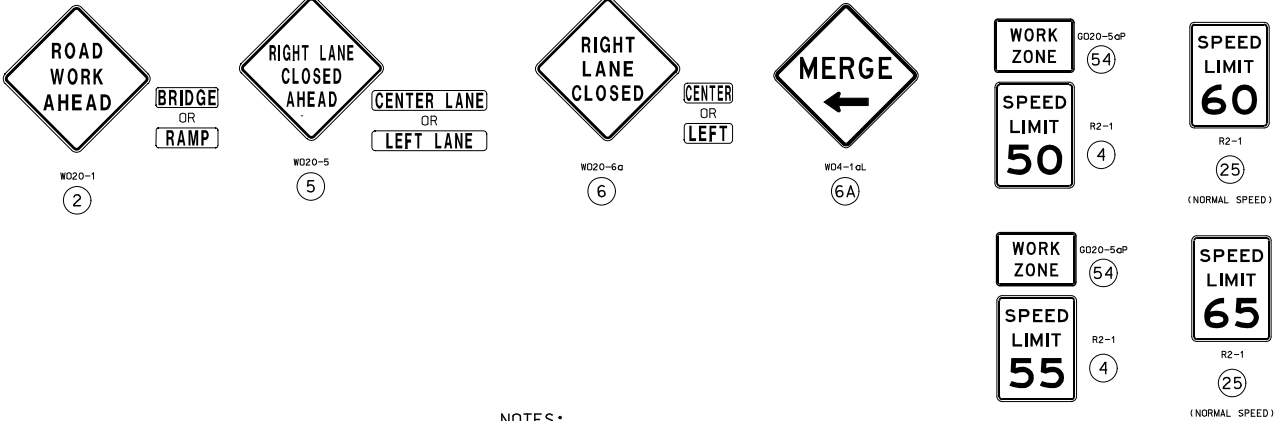
	SIGN (SINGLE SIDED)
	DIRECTIONAL INDICATOR BARRICADE
	CHANNELIZER (TRIM-LINE)
	WORK AREA
	FLASHING ARROW PANEL
	ADVANCE WARNING RAILS

NOT TO SCALE

[illegible]



STATIONARY LANE CLOSURE  
ON A DIVIDED HIGHWAY (60-65)



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NOT TO SCALE

STATE OF MISSOURI

ANASTASIA M. SMITH

NUMBER PE-20140107016

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED

12/1/2025

ROUTE

VAR

STATE

MO

DISTRICT

SL

SHEET NO.

4

COUNTY

ST. CHARLES

CITY

ST. LOUIS

JOB NO.

JSL0207

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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

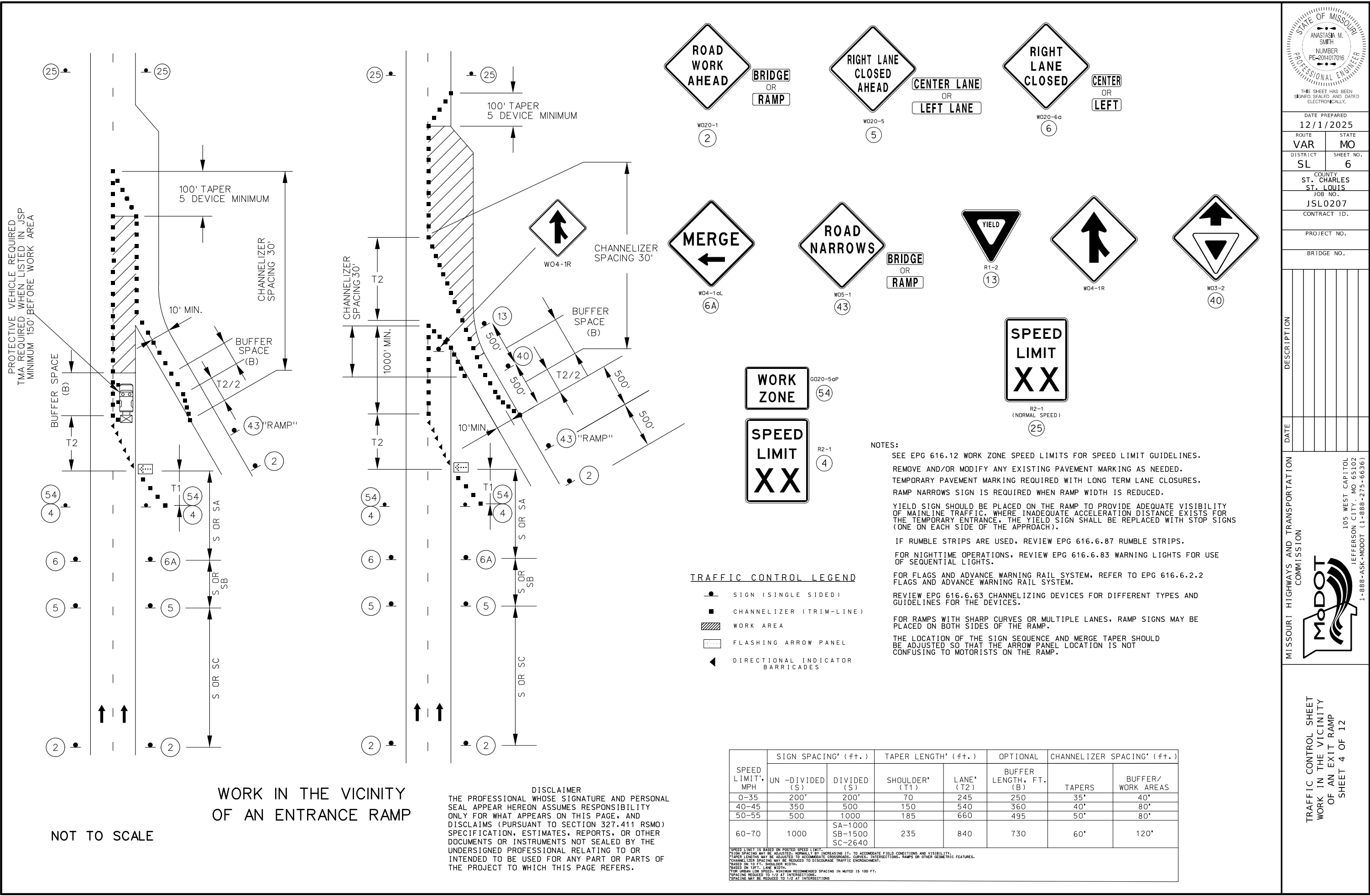
STATIONARY LANE CLOSURE

ON A DIVIDED HIGHWAY IN

A 60 MPH ZONE

SHEET 2 OF 12





STATE OF MISSOURI  
ANASTASIA M. SMITH  
NUMBER  
PE-2014017016  
PROFESSIONAL ENGINEER  
THIS SHEET HAS BEEN  
SIGNED, SEALED AND DATED  
ELECTRONICALLY.

DATE PREPARED  
12/1/2025  
ROUTE  
VAR  
DISTRICT  
SL  
COUNTY  
ST. CHARLES  
ST. LOUIS  
JOB NO.  
JSL0207  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

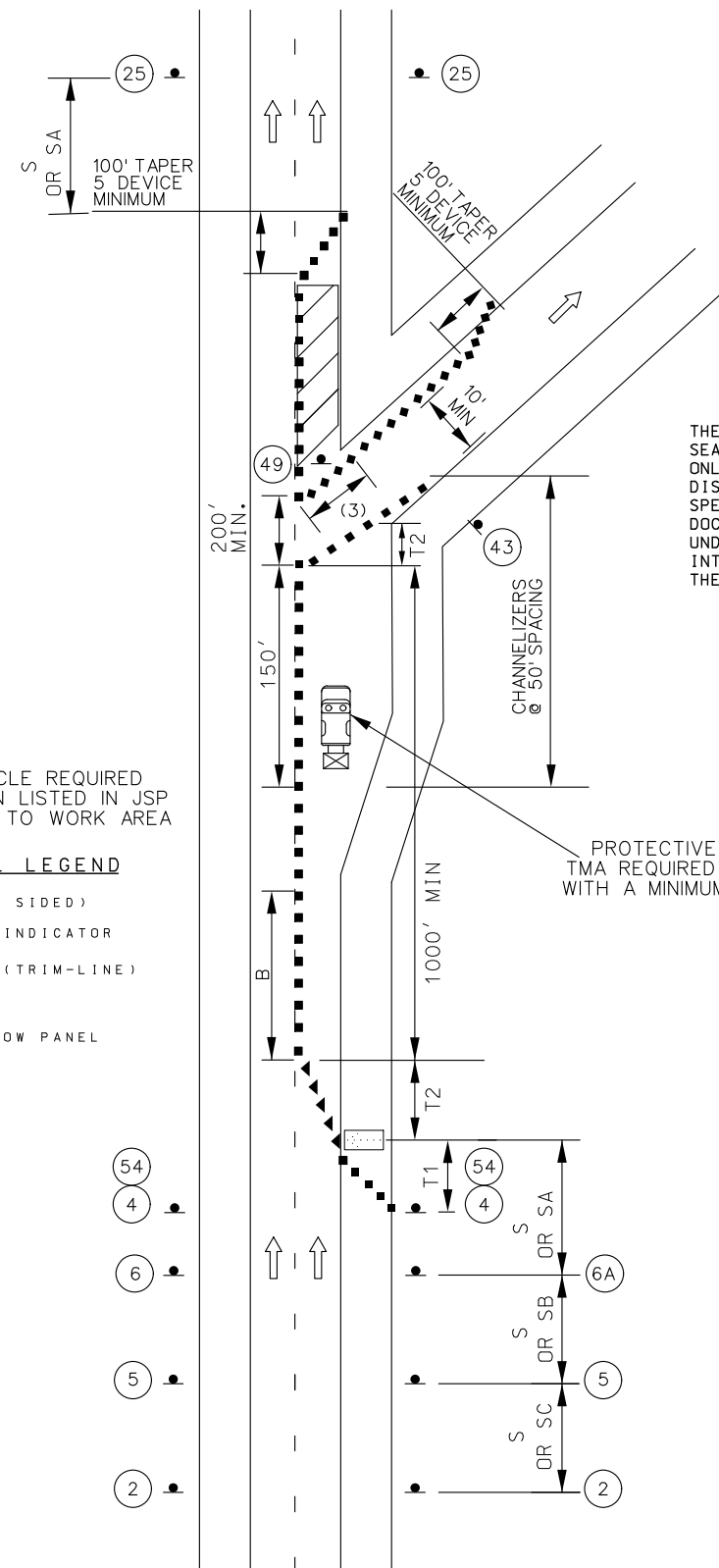
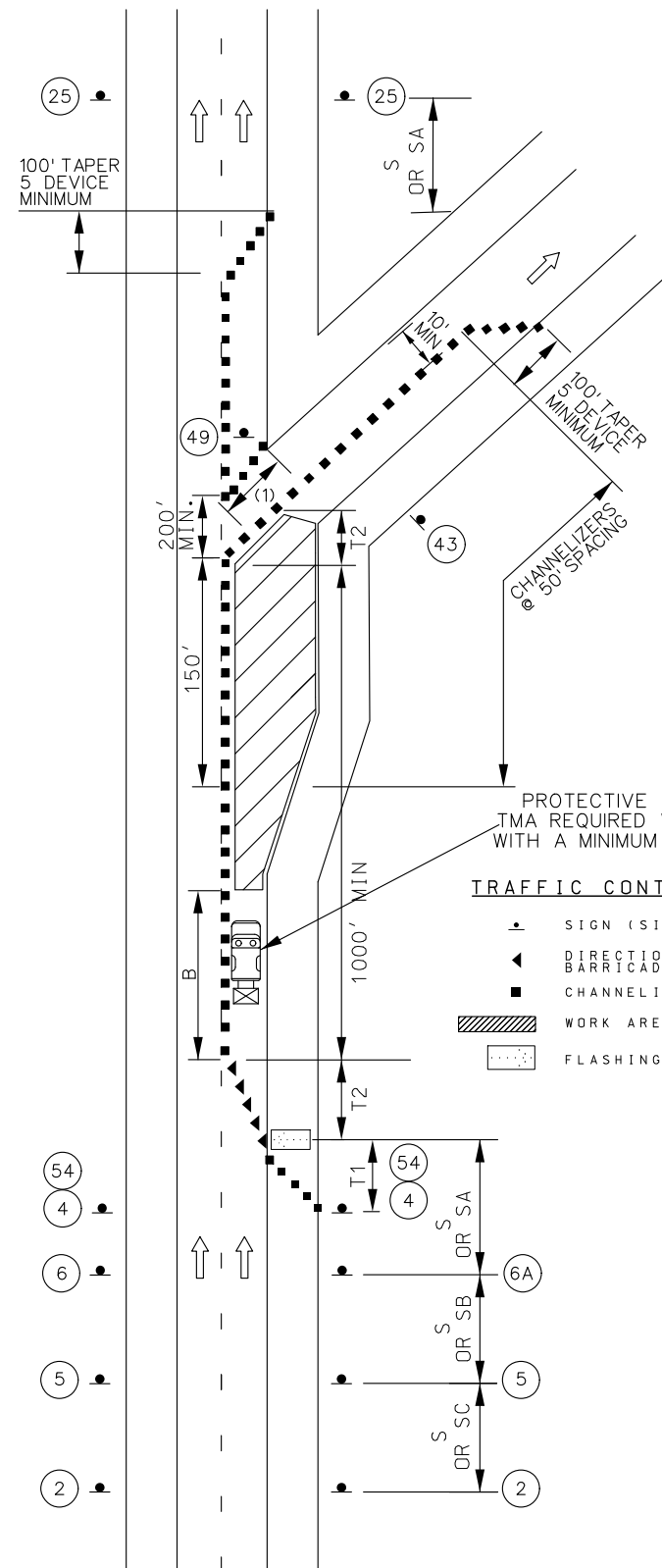
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET  
WORK IN THE VICINITY  
OF AN EXIT RAMP  
SHEET 4 OF 12





NOT TO SCALE



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W04-1 c

6A



W020-1

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WD20-6a

6



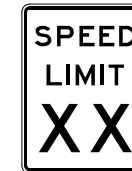
WD20-

(5)



G020-5a

(54)



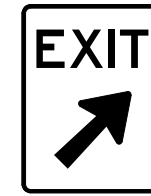
R2-1

4



W05-1

(43)



E05-

(49)

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

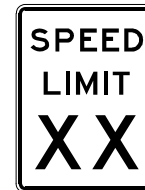
(3) 5 CHANNELIZER DEVICES MINIMUM

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.



R2-1  
(NORMAL SPEED)

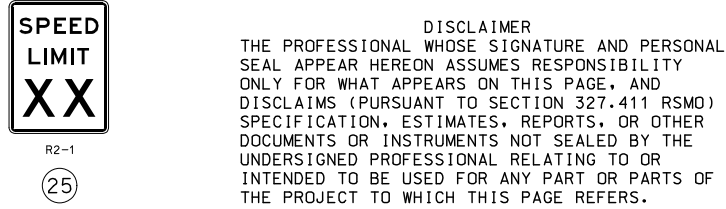
(25)

SPEED LIMIT*, MPH	SIGN SPACING* (ft.)		TAPER LENGTH* (ft.)		OPTIONAL	CHANNELIZER SPACING* (ft.)	
	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER* (T1)	LANE* (T2)	BUFFER LENGTH, FT. (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200'	200'	70	245	250	35'	40'
40-45	350	500	150	540	360	40'	80'
50-55	500	1000	185	660	495	50'	80'
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	730	60'	120'

SPEED LIMIT IS BASED ON POSTED SPEED LIMIT.  
SIGN SPACING MAY BE ADJUSTED UP OR DOWN, INCREASING IT, TO ACCOMMODATE FIELD CONDITIONS AND VISIBILITY.  
\*TAPER LENGTHS MAY BE ADJUSTED TO ACCOMMODATE CROSSROADS, CURVES, INTERSECTIONS, RAMPS OR OTHER GEOMETRIC FEATURES  
\*CHANNELIZED SPACING MAY BE REDUCED TO DISCOURAGE TRAFFIC ENCROACHMENT.  
BASED ON 10 FT. SHOULDER WIDTH.  
BASED ON 12FT. LANE WIDTH.  
\*FOR URBAN LOW SPEED, MINIMUM RECOMMENDED SPACING IN MUTCD IS 100 FT.  
\*SPACING REDUCED TO 1/2 AT INTERSECTIONS.  
\*SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS

## WORK IN THE VICINITY OF AN EXIT RAMP

<p>THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.</p>					
DATE PREPARED <b>12/1/2025</b>					
ROUTE <b>VAR</b>		STATE <b>MO</b>			
DISTRICT <b>SL</b>		SHEET NO. <b>8</b>			
COUNTY <b>ST. CHARLES</b> <b>ST. LOUIS</b> JOB NO. <b>JSL0207</b>					
CONTRACT ID.					
PROJECT NO.					
BRIDGE NO.					
DESCRIPTION	DATE				
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION		<p>105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)</p>			
TRAFFIC CONTROL SHEET WORK IN THE VICINITY OF AN EXIT RAMP		SHEET 6 OF 12			

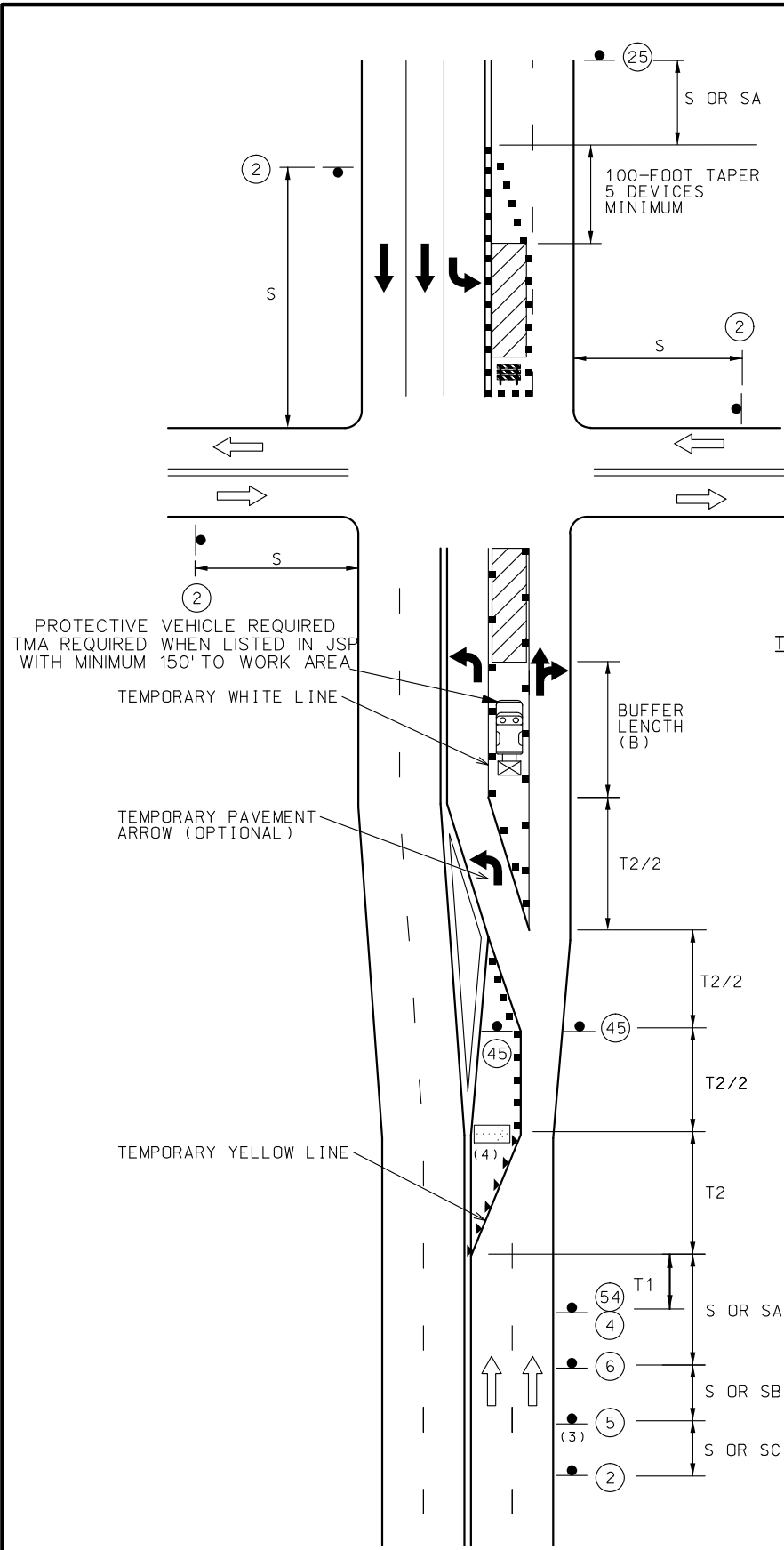


LAGS AND ADVANCE WARNING RAIL SYSTEM.

\*SPACING LIMIT IS BASED ON POSTED SPEED LIMIT.  
 \*SPACING MAY BE ADJUSTED, NORMALLY BY INCREASING IT, TO ACCOMMODATE FIELD CONDITIONS AND VISIBILITY.  
 \*TAPER LENGTHS MAY BE ADJUSTED TO ACCOMMODATE CROSSROADS, CURVES, INTERSECTIONS, RAMPS OR OTHER GEOMETRIC FEATURES.  
 \*CHANNELIZER SPACING MAY BE REDUCED TO DISCOURAGE TRAFFIC ENCRoACHMENT.  
 \*BASED ON 10 FT. SHOULDER WIDTH.  
 \*BASED ON 12FT. LANE WIDTH.  
 \*FOR URBAN LOW SPEED, MINIMUM RECOMMENDED SPACING IN MUTCO IS 100 FT.  
 \*SPACING REDUCED TO 1/2 AT INTERSECTIONS.  
 \*SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS

NOT TO SCALE

[illegible]



LEFT LANE CLOSURE AT INTERSECTION  
WORK ON NEAR OR FAR SIDE

TRAFFIC CONTROL LEGEND	
	SIGN (SINGLE SIDED)
	CHANNELIZER (TRIM-LINE)
	DIRECTIONAL INDICATOR BARRICADES (DIBS)
	WORK AREA
	FLASHING ARROW PANEL
	TYPE 3 BARRICADE

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	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.

WORK ZONE  
G020-5aP  
(54)

SPEED LIMIT  
XX  
R2-1  
(4)

ROAD WORK AHEAD  
W020-1  
(2)

LEFT LANE CLOSED AHEAD  
W020-5  
(5)

LEFT LANE CLOSED  
W020-6a  
(6)

SPEED LIMIT  
XX  
R2-1  
(NORMAL SPEED)  
(25)

LEFT LANE MUST TURN LEFT  
R3-7L  
(45)

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- NOTES:
- SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.
  - REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
  - FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
  - FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FOOT DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.
  - TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
  - PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
  - IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 RUMBLE STRIPS.
  - FOR FLAGS AND ADVANCED WARNING RAIL SYSTEM, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCE WARNING RAIL SYSTEM.
  - (3) LEFT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.
  - (4) THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.

NOT TO SCALE

STATE OF MISSOURI  
ANASTASIA M. SMITH  
NUMBER  
PE-2014017016  
PROFESSIONAL ENGINEER  
THIS SHEET HAS BEEN  
SIGNED, SEALED AND DATED  
ELECTRONICALLY.

DATE PREPARED  
12/1/2025

ROUTE  
VAR

STATE  
MO

DISTRICT  
SL

SHEET NO.  
10

COUNTY  
ST. CHARLES  
ST. LOUIS

JOB NO.  
JSL0207

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  
LEFT LANE OF INTERSECTION  
SHEET 8 OF 12

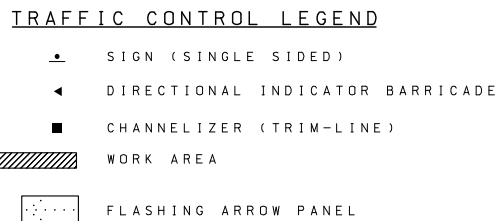


PROTECTIVE VEHICLE REQUIRED  
TMA REQUIRED WHEN LISTED IN JSP  
MINIMUM 150' BEFORE WORK AREA

REMOVE EXISTING  
LANE LINE MARKINGS  
LONG TERM CLOSURE

# STATIONARY LANE CLOSURE ON A DIVIDED HIGHWAY IN 40 AND 45 MPH ZONES

NOT TO SCALE



NOTES:

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

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

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

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 SIGNS SHALL BE SUBSTITUTED.

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

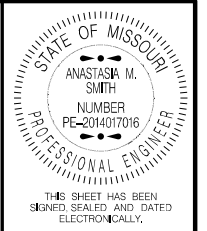
REVIEW EPG 616.6.83 WARNING LIGHTS WHEN SEQUENTIAL OR WARNING LIGHTS SHOULD BE USED ON NIGHTTIME OPERATIONS.

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

FOR FLAGS AND ADVANCE WARNING RAIL SYSTEMS, 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.

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THE PROJECT TO WHICH THIS PAGE REFERS.



DATE PREPARED

ROUTE	STATE
-------	-------

DISTRICT	SHEET NO.
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ST	COUNTY
ST	CHARLES

ST. LOUIS  
JOB NO.

CONTRACT ID.

PROJECT NO.
-------------

BRIDGE NO.

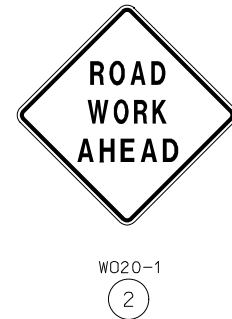
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MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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

TRAFFIC CONTROL SHEET  
STATIONARY LANE CLOSURE  
ON A DIVIDED HIGHWAY  
IN 40 AND 45 MPH ZONES  
SHEET 9 OF 12





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

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED  
LIMIT GUIDELINES

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

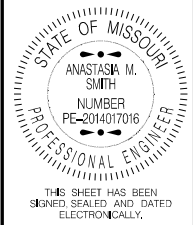
LANES WILL BE A MINIMUM OF 10'.

SIGN SPACING MAY BE ADJUSTED AS  
NECESSARY TO MEET FIELD CONDITIONS  
UPON APPROVAL FROM THE ENGINEER.

ANY EXISTING SIGNS THAT CONFLICT WITH  
TRAFFIC CONTROL WILL BE COVERED OR REMOVED.

# LANE CLOSURE ON TWO-LANE ROAD USING FLAGGERS IN 35 MPH ZONES

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DATE PREPARED  
12/1/2025

ROUTE	STATE
VAR	MO

DISTRICT	SHEET NO.
SI	13

02	13
COUNTY	
ST. CHARLES	
ST. LOUIS	

ST. LOUIS  
JOB NO.  
ISI 0207

CONTRACT ID.

PROJECT NO.
-------------

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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

TRAFFIC CONTROL SHEET  
TWO-LANE ROAD USING FLAGGERS  
IN A 25, 30, AND 35 MPH ZONES  
SHEET 11 OF 12


DATE PREPARED  
12/1/2025

VAR	MO
DISTRICT	SHEET NO.
SI	14

ST. LOUIS  
JOB NO.  
1610207

PROJECT NO.
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MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT / 1-888-275-6626

TRAFFIC CONTROL SHEET  
FLAGGING SINGLE LANE ROUNDABOUT  
SHEET 12 OF 12

SPEED LIMIT, MPH	SIGN SPACING* (ft.)		TAPER LENGTH* (ft.)		OPTIONAL	CHANNEL IZER SPACING* (ft.)		
	UN	DIVIDED (S)	SHOULDER* (T1)	LANE* (T2)	BUFFER LENGTH, FT. (B)	TAPERS	BUFFER/ WORK AREAS	
0-35		200'	200'	70	245	250	35'	40'
40-45		350	500	150	540	360	40'	80'
50-55		500	1000	185	660	495	50'	80'
60-70		1000	SA-1000 SB-1500 SC-2640	235	840	730	60'	120'

\*SPEED LIMIT IS BASED ON POSTED SPEED LIMIT.  
\*TAPER LENGTH MAY BE ADJUSTED, NORMALLY BY INCREASING IT, TO ACCOMMODATE FIELD CONDITIONS AND VISIBILITY.  
\*TAPER LENGTH MAY BE ADJUSTED TO ACCOMMODATE ODDS-SIDE CURVES, INTERSECTIONS, RAMPS OR OTHER GEOMETRIC FEATURES.  
\*CHANNEL IZER SPACING MAY BE REDUCED TO DISCOURAGE TRAFFIC ENCRUSTMENT.  
\*BASED ON 16' SHOULDER WIDTH.  
\*BASED ON 12FT. LINE WIDTH.  
\*FOR URBAN LOW SPEEDS, MINIMUM RECOMMENDED SPACING IN MUTED IS 100 FT.  
\*SPACING REDUCED TO 1/2 AT INTERSECTIONS.  
\*SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS

