

**DESIGN DESIGNATION**

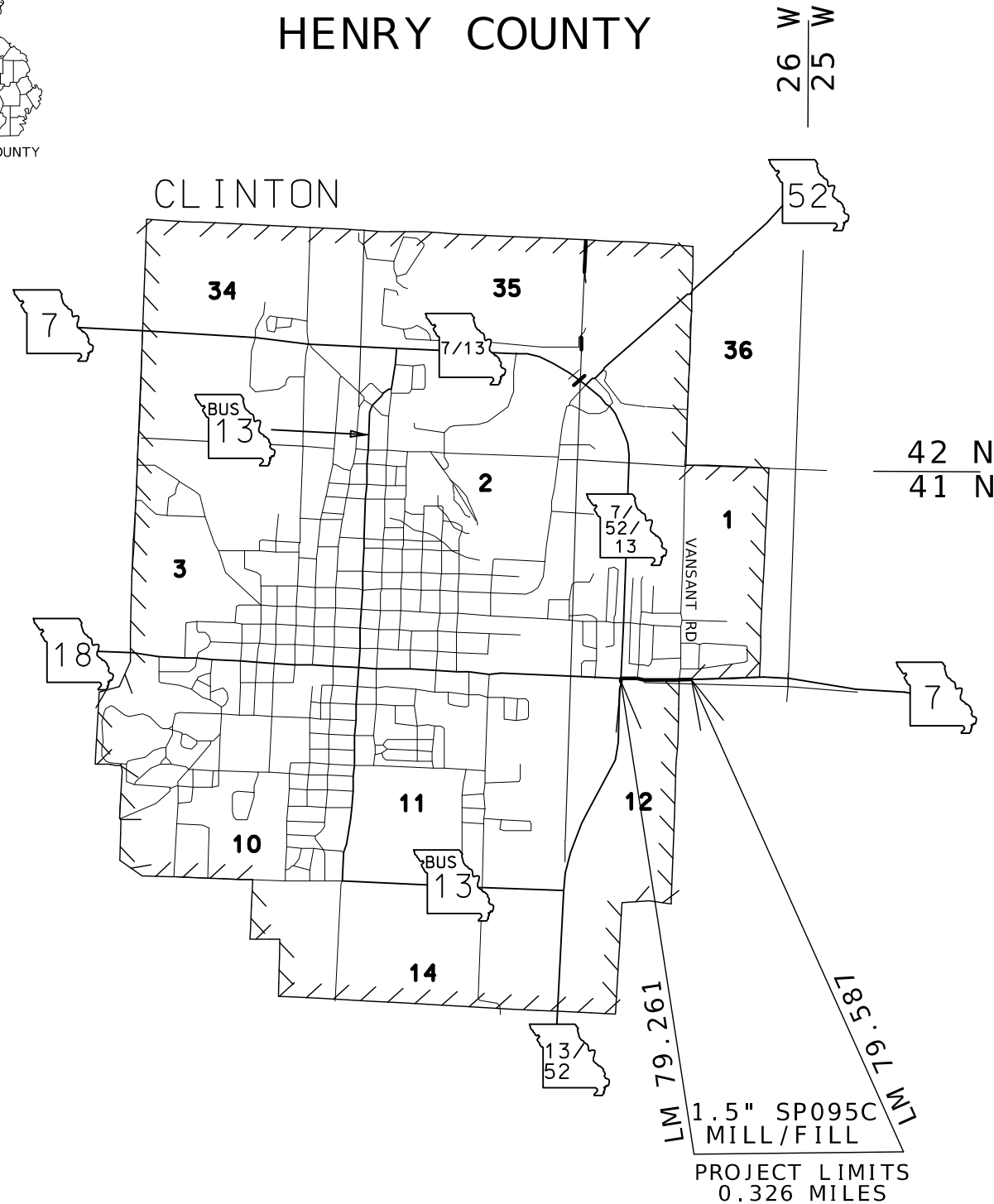
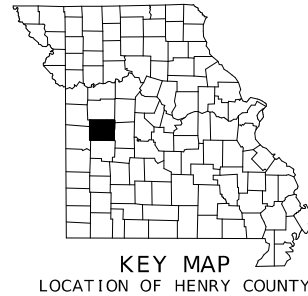
A.A.D.T. CONST - 2025 = 14502  
 A.A.D.T. DESIGN - 2045 = 16024  
 DVH (N/S) 50.1%/49.9%  
 T = 10.55%  
 V = 35 M.P.H.

FUNCTIONAL CLASSIFICATION-  
 OTHER PRINCIPAL ARTERIAL

**NO NEW R/W REQUIRED**

**MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
 PLANS FOR PROPOSED  
 STATE HIGHWAY**

**HENRY COUNTY**



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
TYPICAL SECTIONS (TS) (4 SHEETS)---	2
QUANTITIES (QU) (2 SHEETS)-----	3
TRAFFIC CONTROL SHEETS (TC)-----	4-12



SHANNON M. KELLNER  
 NUMBER PE-2011015763  
 PROFESSIONAL ENGINEER  
 DATE PREPARED 7/15/2024  
 ROUTE 7 STATE MO  
 DISTRICT SW SHEET NO. 1  
 COUNTY HENRY  
 JOB NO. JSR0027  
 CONTRACT ID.  
 PROJECT NO.  
 BRIDGE NO.

DESCRIPTION	DATE

**LENGTH OF PROJECT**

LOG MILES FROM 2022 ARAN

BEGINNING OF PROJECT	LM. 79.261
END OF PROJECT	LM. 79.587
APPARENT LENGTH	1721.28 FEET

EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS	0.000 FEET
NET LENGTH OF PROJECT	1721.28 FEET
STATE LENGTH	0.326 MILES

FOR INFORMATION ONLY  
 ESTIMATED DISTURBED ACRES 0 ACRES

**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

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

NOTES: LANE WIDTH NOTED IS TYPICAL LANE WIDTH.  
ADJUST PAVING WIDTHS TO EXISTING FIELD CONDITIONS.

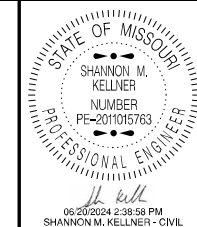
NO ADDITIONAL PAYMENT WILL BE MADE FOR ADDITIONAL  
COLDMILLING (UP TO 3") REQUIRED TO REMOVE ENTIRE  
TOP LIFT DUE TO DELAMINATION. THIS APPLIES TO  
ENTIRE PROJECT LIMITS.

SURFACE PLACEMENT - ONE PASS PER LANE

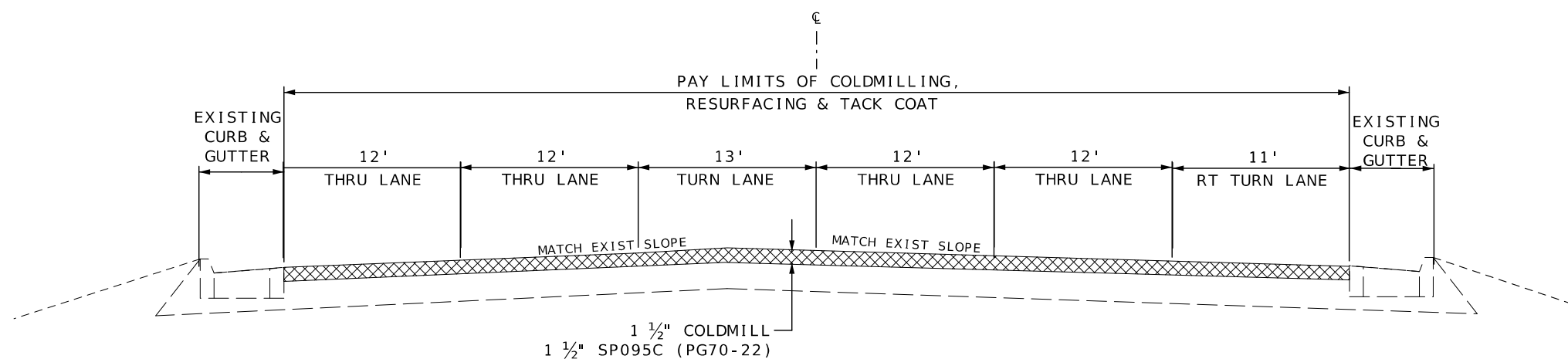
NO S.E. CORRECTION

REVISED: 1/4/2024

ASPHALT FACTORS	
<u>COMBINED FACTOR</u>	
SP095C (PG70-22)	1.970 TONS/CY
TACK COAT	
MILLING	0.10 GAL/SY
IRREGULARITIES: 75 TONS/MI	



DATE PREPARED 6/20/2024	
ROUTE 7	STATE MO
DISTRICT SW	SHEET NO. 2
COUNTY HENRY	
JOB NO. JSR0027	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



ROUTE 7  
LOG MILE 79.261 TO LOG MILE 79.521

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

NOTES: LANE WIDTH NOTED IS TYPICAL LANE WIDTH.  
ADJUST PAVING WIDTHS TO EXISTING FIELD CONDITIONS.

NO ADDITIONAL PAYMENT WILL BE MADE FOR ADDITIONAL  
COLDMILLING (UP TO 3") REQUIRED TO REMOVE ENTIRE  
TOP LIFT DUE TO DELAMINATION. THIS APPLIES TO  
ENTIRE PROJECT LIMITS.

SURFACE PLACEMENT - ONE PASS PER LANE

NO S.E. CORRECTION

REVISED: 1/4/2024

ASPHALT FACTORS	
COMBINED FACTOR	
SP095C (PG70-22)	1.970 TONS/CY
TACK COAT	
MILLING	0.10 GAL/SY
IRREGULARITIES: 75 TONS/MI	



DATE PREPARED  
6/20/2024 2:39:10 PM  
SHANNON M. KELLNER - CIVIL  
MO-PE-2011015763

ROUTE	STATE
7	MO
DISTRICT	SHEET NO.
SW	2

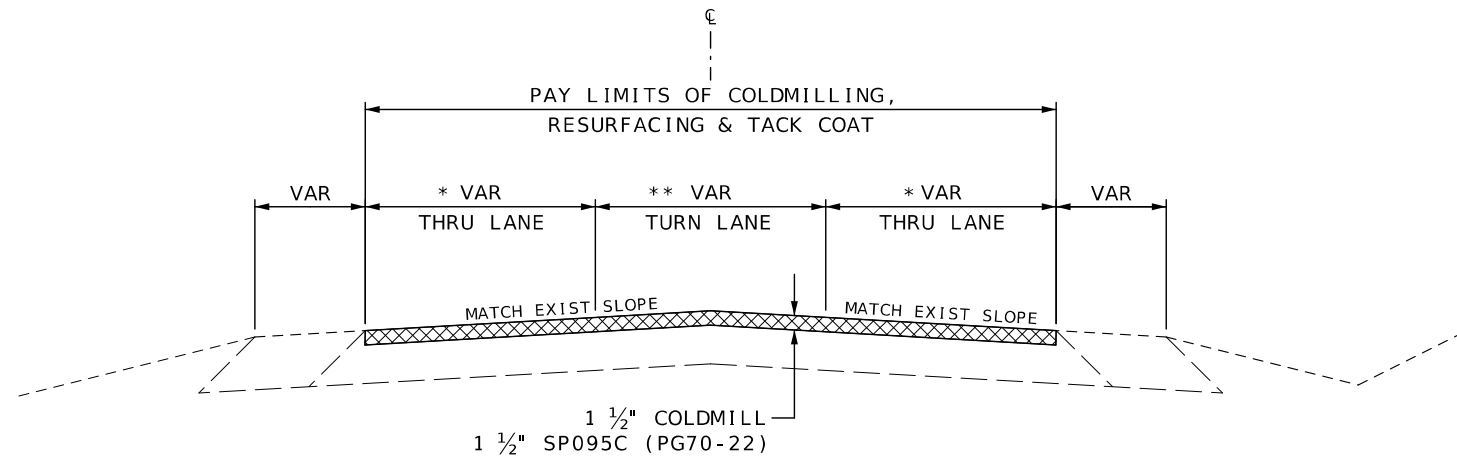
COUNTY  
HENRY

JOB NO.  
JSR0027

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



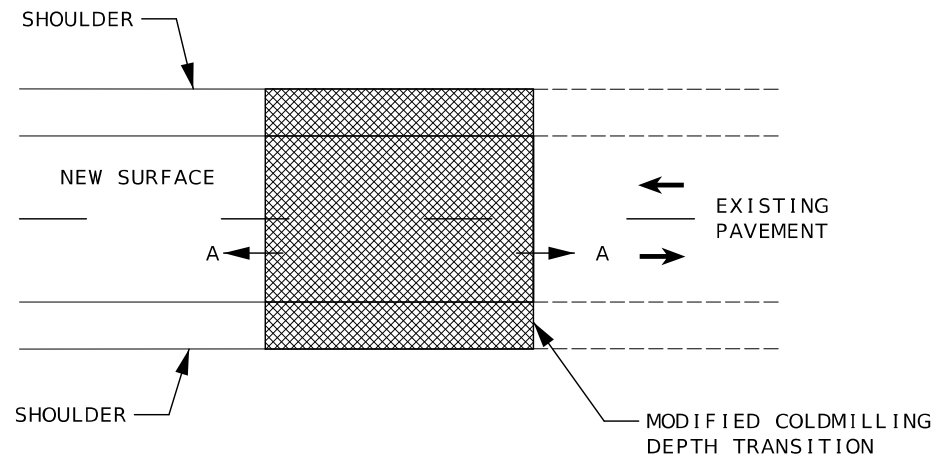
ROUTE 7  
LOG MILE 79.521 TO LOG MILE 79.587

\* LANE WIDTH FROM  
24' TO 12'  
\*\* LANE WIDTH FROM  
13' TO 0'

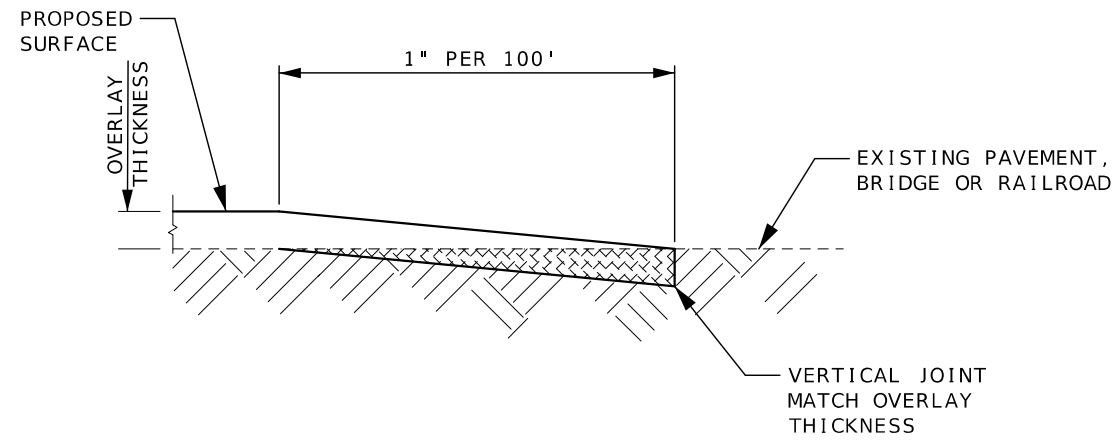
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



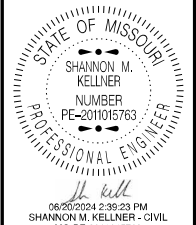
MAINLINE, BRIDGE, AND RAILROAD PLAN



SECTION A-A

TRANSVERSE JOINT TRANSITION FOR SINGLE LIFT PROJECT BEGINNING, END, BRIDGE, OR RAILROAD

NOTE: MILL EXISTING CONCRETE 1" MAXIMUM.



DATE PREPARED  
6/20/2024

ROUTE 7	STATE MO
DISTRICT SW	SHEET NO. 2

COUNTY  
HENRY

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JSR0027

CONTRACT ID.

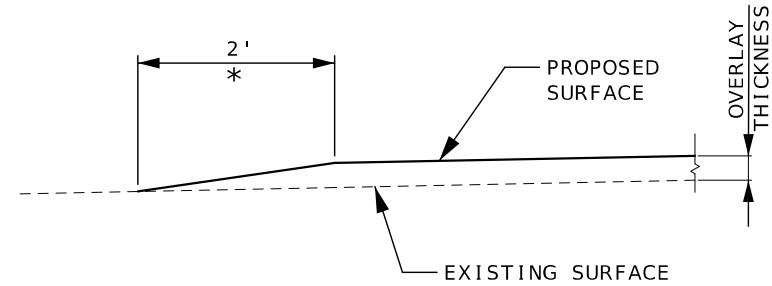
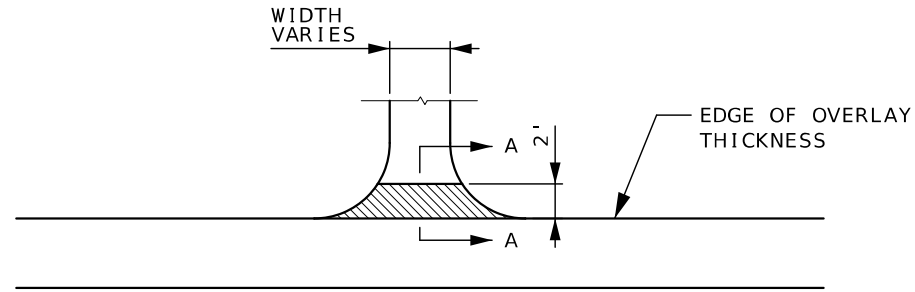
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

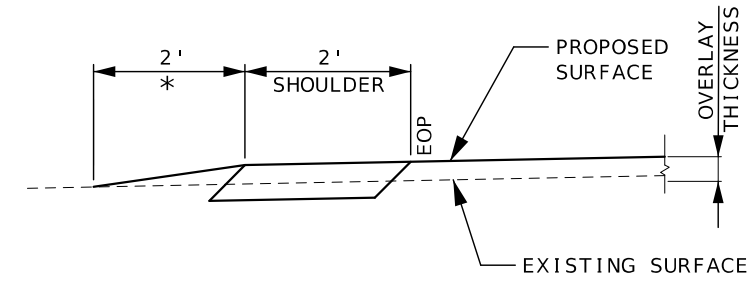
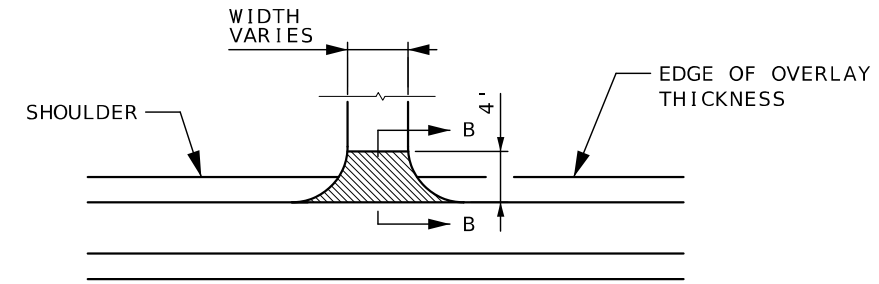
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)



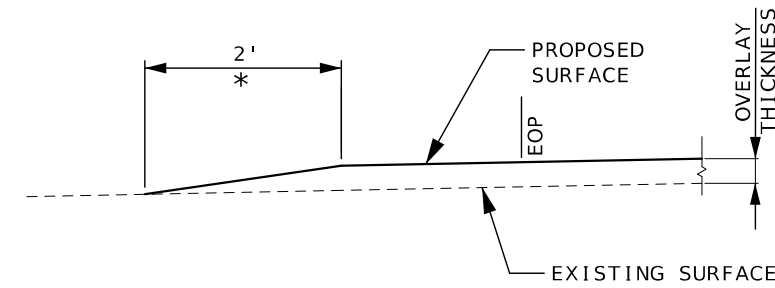
**SECTION A-A**  
**TYPICAL ENTRANCE - NO SHOULDER**  
 (FIELD, PRIVATE OR COUNTY ROAD)  
 \*TAPER AT 1:1 FOR FIELD ENTRANCE

NOTE: 4 TONS GRAVEL A OR CRUSHED STONE  
 CALCULATED PER ENTRANCE.

6 TONS CALCULATED PER COUNTY ROAD.



**AGGREGATE & EARTH ENTRANCES**



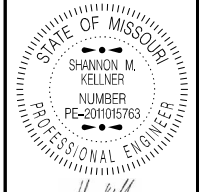
**ASPHALT & CONCRETE ENTRANCES**

**SECTION B-B**  
**TYPICAL ENTRANCE - EXIST/NEW SHOULDER**  
 (FIELD, PRIVATE OR COUNTY ROAD)  
 \*TAPER AT 1:1 FOR FIELD ENTRANCE

NOTES: DO NOT BUILD 2' MODIFIED A3 SHOULDERS  
 ACROSS CONCRETE OR ASPHALT ENTRANCES,  
 STREETS OR ROADS.

4 TONS GRAVEL A OR CRUSHED STONE B  
 CALCULATED PER ENTRANCE.

6 TONS CALCULATED PER COUNTY ROAD.



DATE PREPARED  
**6/20/2024**  
 ROUTE 7 STATE MO  
 DISTRICT SW SHEET NO. 2  
 COUNTY HENRY  
 JOB NO. JSR0027  
 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)

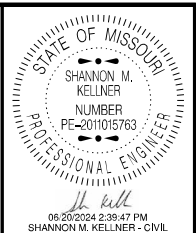
COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACE (3 IN. THICK OR LESS)							
ROUTE	LOG MILE	TO	LOG MILE	AVERAGE LENGTH	AVERAGE WIDTH	AREA	REMARKS
				LF	LF	SY	
MO 7 SB	79.261	-	79.521	1372.8	72	10982.4	6 lanes total
MO 7 SB	79.521	-	79.587	348.5	VAR	1526.2	5 lane to 2 lane
TOTAL						12508.6	
USE						12509	

ASPHALT & TACK								
ROUTE	LOG MILE	TO	LOG MILE	NET LENGTH	AVERAGE WIDTH	SP095C	TACK	REMARKS
				LF	LF	TONS	GAL	
MO 7 SB	79.261	-	79.521	1372.8	72.0	901.5	1098.2	6 lanes total
MO 7 SB	79.521	-	79.587	348.5	VAR	125.5	152.9	Transition from 6 lane to 2 lane
MO 7 SB	79.240	-	79.587	1758.0	2.0	32.1		ENTRANCES & SIDEROADS
MO 7 SB	79.240	-	79.587	-	-	3.5		IRREGULARITIES 10 TONS/MILE
TOTAL						1062.6	1251.1	
USE						1062.6	1251	

PAVEMENT MARKING													
ROUTE	LOG MILE	TO	LOG MILE	LOCATION	WATERBORNE PAINT, TYPE L BEADS				THERMOPLASTIC			REMARKS	
					6" SOLID WHITE	6" INT WHITE	12" INT WHITE	4" SOLID YELLOW	4" INT YELLOW	24 INCH WHITE	24 INCH YELLOW		LT/RT ARROW WHITE
					LF	LF	LF	LF	LF	LF	LF		EACH
MO 7 SB	79.261	-	79.521	MO 7	2750	690	460	2750	690			12" INT = 3' STRIPE 9' SPACE	
MO 7 SB	79.521	-	79.587	MO 7	700			1390		51	63		
MO 7 SB	79.261			CENTER LANE								1	LT TURN ARROW
MO 7 SB	79.341			CENTER LANE								2	LT TURN ARROW
MO 7 SB	79.400			CENTER LANE								2	LT TURN ARROW
MO 7 SB	79.480			CENTER LANE								2	LT TURN ARROW
MO 7 SB	79.480			RT LANE								1	RT TURN ARROW
TOTALS					3450	690	460	4140	690	51	63	8	
USE					4140		460	4830		51	63	8	

CONTRACTOR FURNISHED SURVEYING & STAKING
1 LUMP SUM

MOBILIZATION
1 LUMP SUM



DATE PREPARED  
6/20/2024

ROUTE	STATE
7	MO
DISTRICT	SHEET NO.
SW	3

COUNTY  
HENRY

JOB NO.  
JSR0027

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

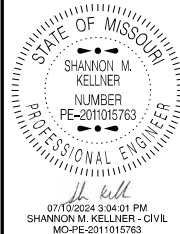
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



GENERAL NOTES:

1. ANY EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
2. TEMPORARY SIGNING SHOWN IS FOR WORK ON ONE SIDE OF THE ROAD. FOR WORK ON THE OTHER SIDE, REVERSE ORDER OF THE SIGNS AND CHANNELIZERS.
3. SIGNING SHOWN SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
4. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.
5. REFER TO STANDARD DRAWING 616.10, 619.10, AND 620.10 FOR ADDITIONAL DETAILS AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.
6. SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.
7. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.
8. NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONSTRUCTION SIGNS, OR FLASHING ARROW PANEL.
9. ALL SIGNS SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PROPER TRAFFIC CONTROL SETUPS THROUGHOUT CONSTRUCTION AS DESCRIBED IN THESE PLANS OR AS APPROVED BY THE ENGINEER.
11. WHERE MINIMUM LANE WIDTHS CANNOT BE ACHIEVED ON THE SIDE STREETS, THE CONTRACTOR SHALL CLOSE HALF OF THE APPROACH AND POSITION A FLAGGER AT EACH END OF THE WORK AREA. LOCATION TO BE DETERMINED BY THE ENGINEER. ADVANCE FLAGGER SIGNING SHALL BE INSTALLED AS OUTLINED IN THE MUTCD.
12. THE CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO ALL BUSINESSES AND STREETS. NO STREET OR ENTRANCE SHALL BE COMPLETELY BLOCKED.
13. SPACING & DISTANCES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD & APPROVED BY THE ENGINEER.
14. TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
15. ADJUST ADVANCE WARNING SIGN SPACING TO AVOID SIGN PLACEMENT WITHIN THE LIMITS OF THE RAILROAD RIGHT OF WAY.



DATE PREPARED  
6/26/2024

ROUTE	7	STATE	MO
DISTRICT	SW	SHEET NO.	4

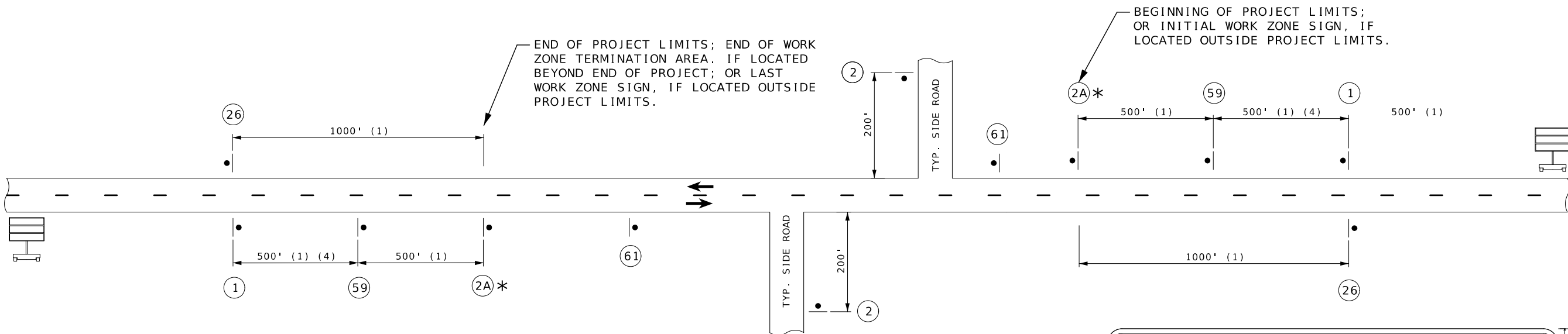
COUNTY  
HENRY

JOB NO.  
JSR0027

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

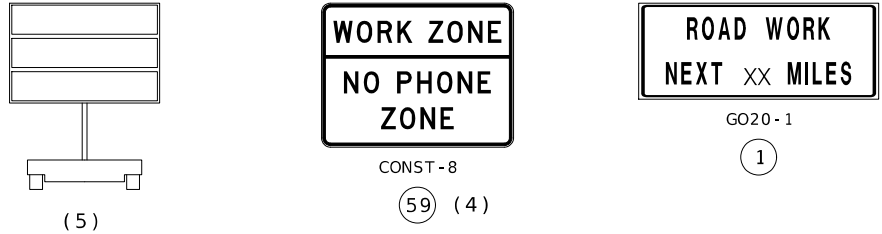
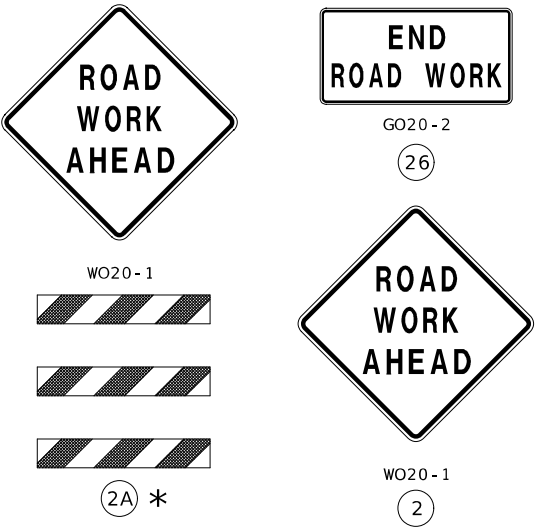


TYPICAL BEGINNING AND END OF PROJECT  
(UNDIVIDED HIGHWAY)

- (1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.
- (2) SIGN CONST-7-72 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN. IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.
- (3) CONST-5-96 SIGN IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-72.
- (4) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.
- (5) CMS PLACEMENT SHALL BE APPROVED BY THE ENGINEER.

**Road Resurfacing**  
Fall 2025

Dimensions: 34' high, 96' wide.



CONST-5-96 SHF-FLAT SHEET:  
3,000' Radius, 1,000' Border, White on Blue.  
"Road", D: "Resurfacing", D: "Fall 2025", D:  
Table of letter and object letter

R	a	b	c	d	e	f	g	h	i	j
11,875	19,000	25,125	31,250							
11,875	19,000	24,875	31,500	38,500	42,875	47,250	53,750	60,375	64,250	70,750
F	a	i	l	l	2	o	2	s		
11,875	44,750	49,000	54,250	57,250	64,125	69,250	74,625	80,125		

**Completed as Promised**

Dimensions: 25' high, 60' wide.

CONST-6P40 SHF-FLAT SHEET FLUORESCENT:  
1,500' Radius, No border, Yellow.  
"Completed as Promised" Black, D: 65% spacing.  
Table of letter and object letter

C	e	m	p	s	t					
1,200	4,875	7,875	15,375	16,625	19,375	21,500	24,250	28,000	31,875	
P	r	o	m	i	s	e	d			
36,625	39,875	41,875	44,875	49,500	50,750	53,500	56,250			

NOT TO SCALE

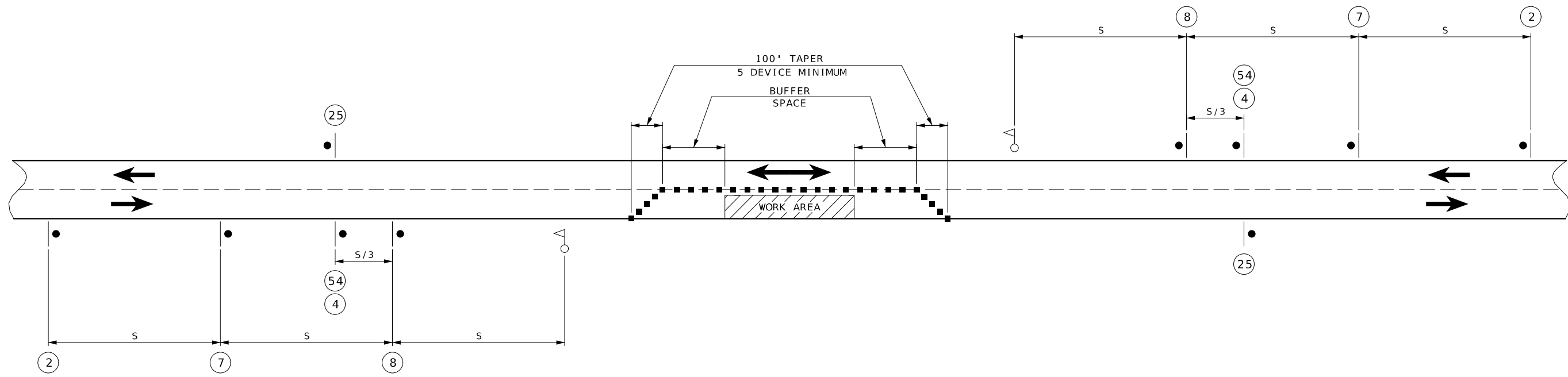
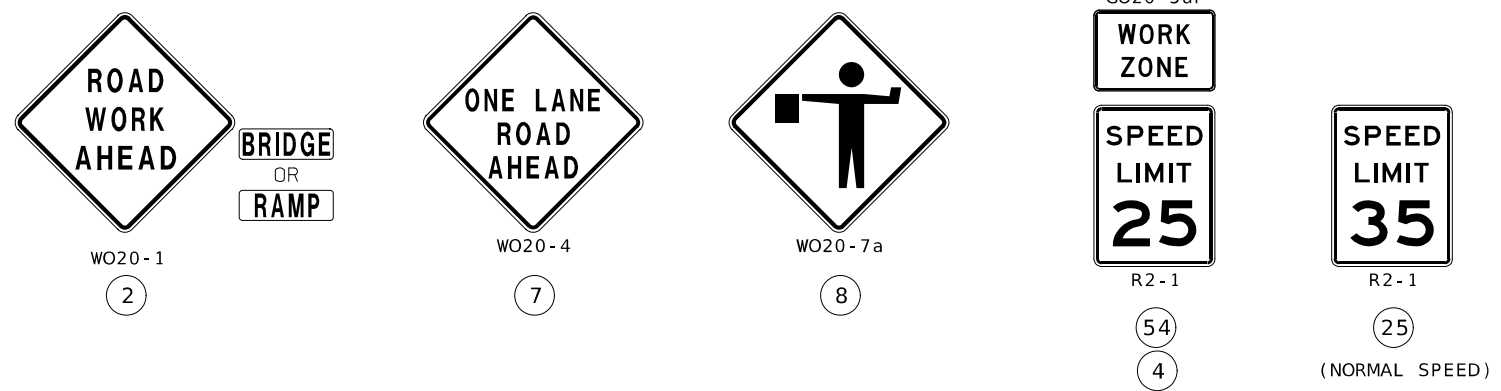
DESCRIPTION	
DATE	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)





NOTES:

CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

FLAG ASSEMBLIES FOR SIGN W020-7a ARE SUBSIDIARY TO THE SIGN.

■ - CHANNELIZERS

○ - FLAGGER

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

SPEED	SIGN SPACING (FT) (1)	CHANNELIZER SPACING (FT)	OPTIONAL
PERMANENT POSTED (MPH)	UNDIVIDED HIGHWAYS (S)	BUFFER/ WORK AREAS	BUFFER LENGTH (FT)
0-35	200	40	280
40-45	350	80	400
50-55	500	80	560
60-70	1000	120	840

SPACING NOTES:

(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS, AS APPROVED BY ENGINEER.

LANE CLOSURE USING FLAGGERS  
(UNDIVIDED HIGHWAY)

NOT TO SCALE

TRAFFIC CONTROL  
SHEET 2 OF 9

STATE OF MISSOURI  
SHANNON M. KELLNER  
NUMBER  
PE-2011015763  
PROFESSIONAL ENGINEER

DATE PREPARED  
6/20/2024

ROUTE 7	STATE MO
DISTRICT SW	SHEET NO. 5

COUNTY  
HENRY

JOB NO.  
JSR0027

CONTRACT ID.

PROJECT NO.

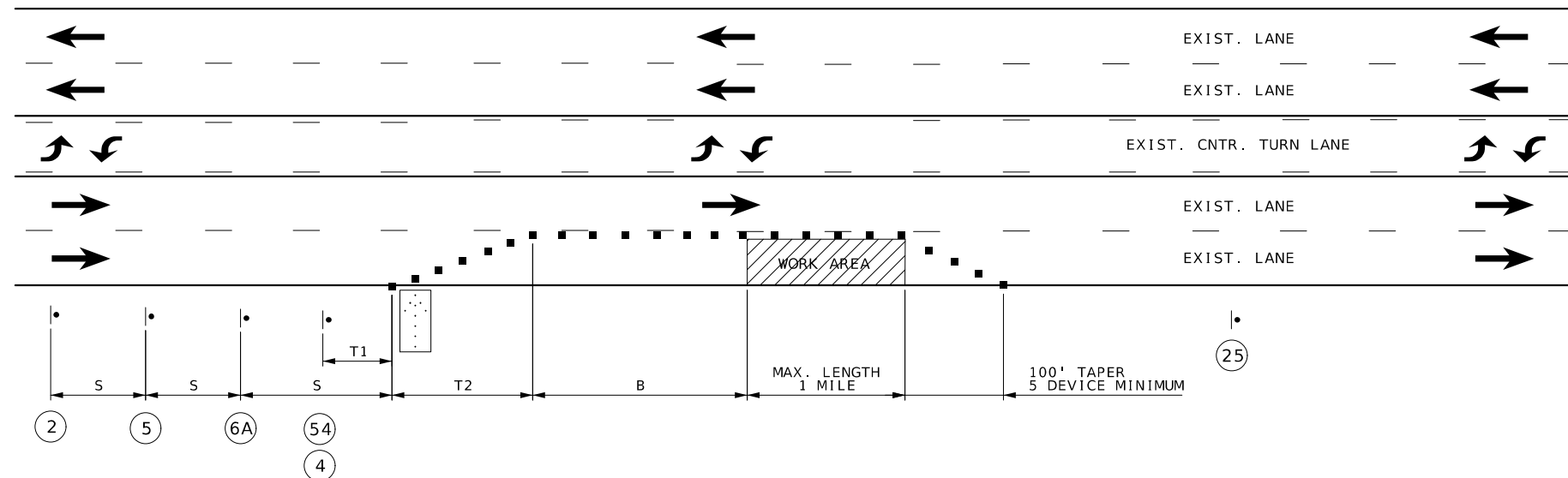
BRIDGE NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

### OUTSIDE LANE CLOSURE



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

**NOTES:**

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.

IN TAPER SECTIONS, QUANTITY OF CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAXIMUM CHANNELIZER SPACING IN CHART.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURE, NO DIRECT PAY.

NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS, SIGNS, AND FLASHING ARROW PANEL.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING IS ONE-HALF SPACING SHOWN IN TABLE.

SPEED LIMIT SIGNS INDICATING NORMAL SPEED LIMIT SHALL BE INSTALLED AT END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.

ALL SIGNS, EXCEPT "NO PHONE ZONE", AND "POINT OF PRESENCE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS. SEE JOB SPECIAL PROVISIONS.

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

LAYOUT IS TYPICAL FOR EITHER DIRECTION.

SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.



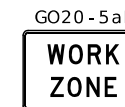
WO20-1  
2



WO20-5  
5



WO4-1aL  
6A



R2-1

54  
4



54  
4

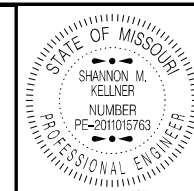


R2-1

25  
(NORMAL SPEED)

NOT TO SCALE

TRAFFIC CONTROL  
SHEET 3 OF 9



DATE PREPARED  
6/26/2024

ROUTE 7 STATE MO  
DISTRICT SW SHEET NO. 6

COUNTY HENRY

JOB NO. JSR0027

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

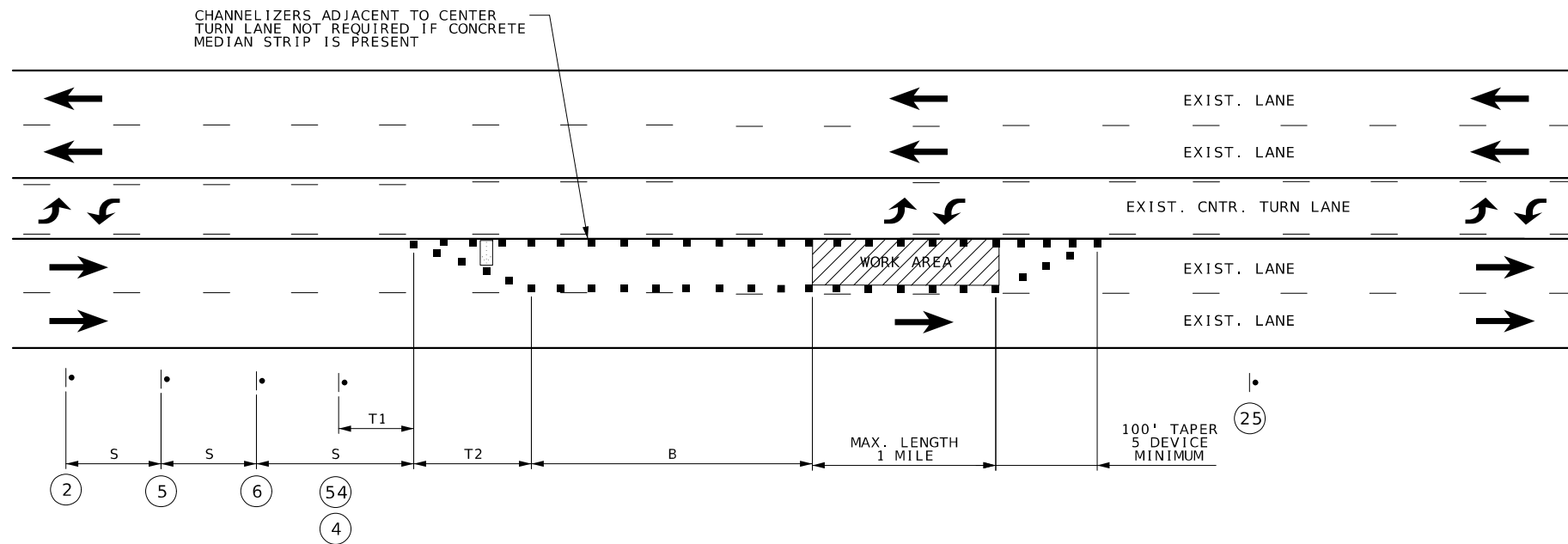
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



# PASSING LANE CLOSURE



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

**NOTES:**

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.
- SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.
- IN TAPER SECTIONS, QUANTITY OF CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAXIMUM CHANNELIZER SPACING IN CHART.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURE, NO DIRECT PAY.
- NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS, SIGNS, AND FLASHING ARROW PANEL.
- FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING IS ONE-HALF SPACING SHOWN IN TABLE.
- SPEED LIMIT SIGNS INDICATING NORMAL SPEED LIMIT SHALL BE INSTALLED AT END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.
- ALL SIGNS, EXCEPT "NO PHONE ZONE", AND "POINT OF PRESENCE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS. SEE JOB SPECIAL PROVISIONS.
- WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- LAYOUT IS TYPICAL FOR EITHER DIRECTION.
- SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.



WO20-1  
2



WO20-5  
5



WO20-6a  
6



R2-1  
54  
4



R2-1  
25  
(NORMAL SPEED)

NOT TO SCALE

TRAFFIC CONTROL SHEET 4 OF 9

SHANNON M. KELLNER  
NUMBER PE-2011015763  
PROFESSIONAL ENGINEER

DATE PREPARED: 6/26/2024

ROUTE: 7 STATE: MO  
DISTRICT: SW SHEET NO.: 7

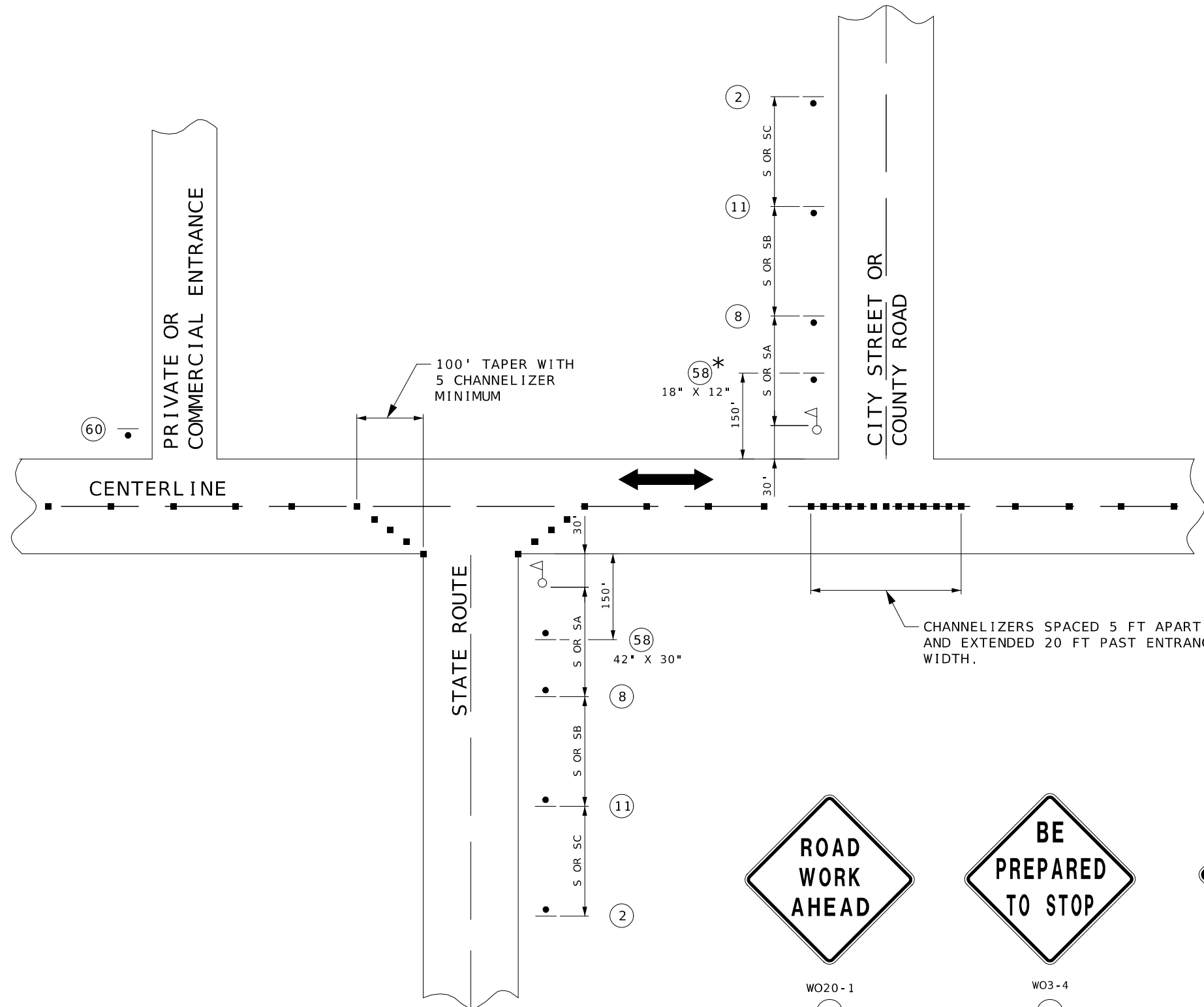
COUNTY: HENRY  
JOB NO.: JSR0027  
CONTRACT ID.:  
PROJECT NO.:  
BRIDGE NO.:

DESCRIPTION: \_\_\_\_\_  
DATE: \_\_\_\_\_

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

# SIDE ROADS ENTERING WORK ZONES



SPEED	SIGN SPACING (FT.)	
	NON-DIVIDED 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

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

NOTES:  
WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.

■ - CHANNELIZERS

△ - FLAGGER

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



58

SHALL BE USED ON ALL STATE ROUTES AND MAY BE USED ON ANY NON-STATE ROUTES, AS DETERMINED BY THE ENGINEER.

\* THE SMALLER 18" X 12" SIGN 58 IS USED ON ALL OTHER NON-STATE ROUTES (CITY STREETS, COUNTY ROADS, ETC.).



60

SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES. SEE STD PLAN 616.10



W020-1

2



W03-4

11



W020-7a

8

NOT TO SCALE

TRAFFIC CONTROL SHEET 5 OF 9



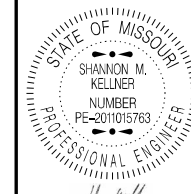
DATE PREPARED  
6/20/2024  
ROUTE 7 STATE MO  
DISTRICT SW SHEET NO. 8  
COUNTY HENRY  
JOB NO. JSR0027  
CONTRACT ID.

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)





DATE PREPARED  
6/20/2024

ROUTE 7 STATE MO  
DISTRICT SW SHEET NO. 9

COUNTY HENRY

JOB NO. JSR0027

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)

NOTES:

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

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

FLASHING ARROW PANELS AND SIGNS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

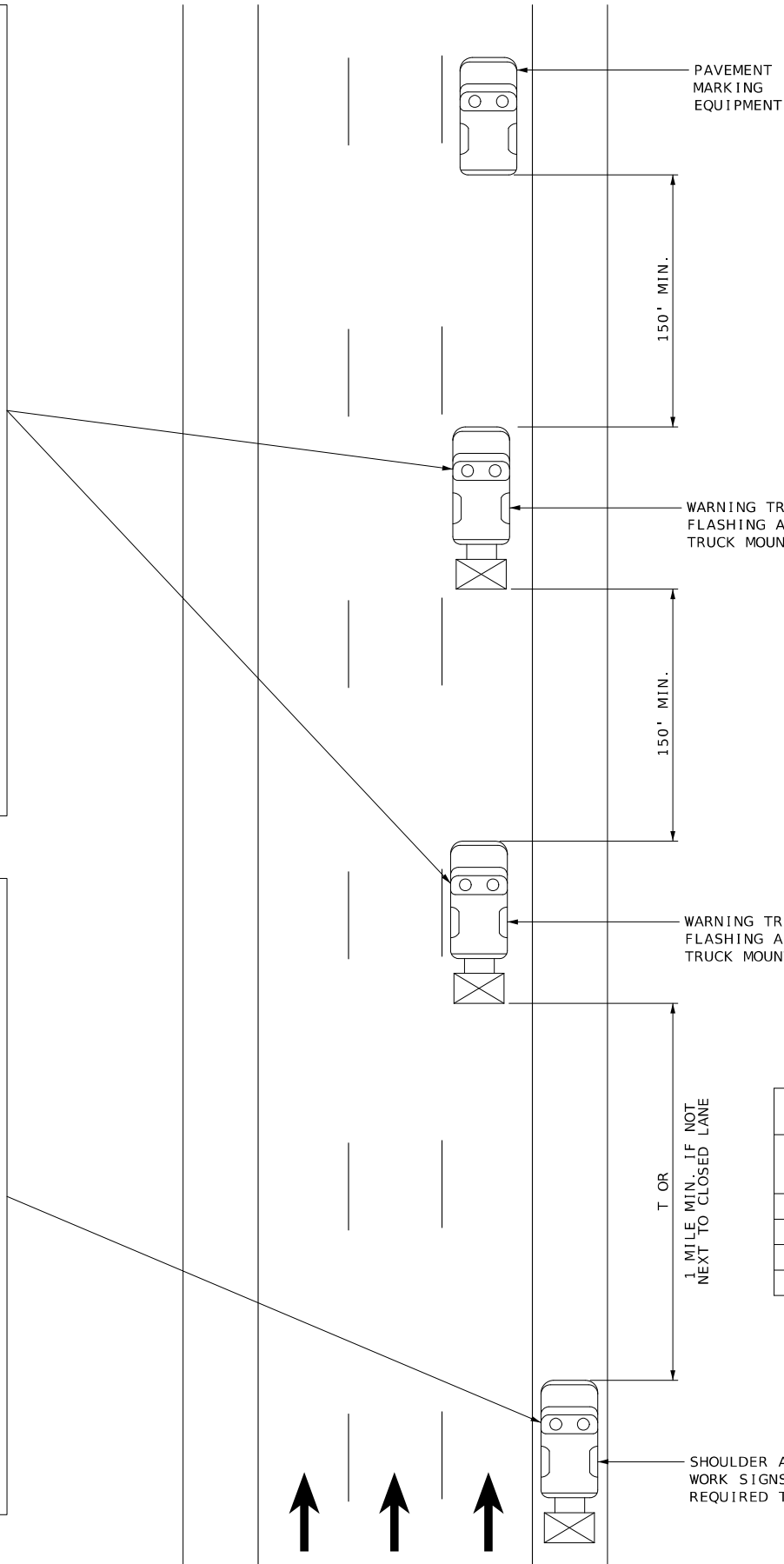
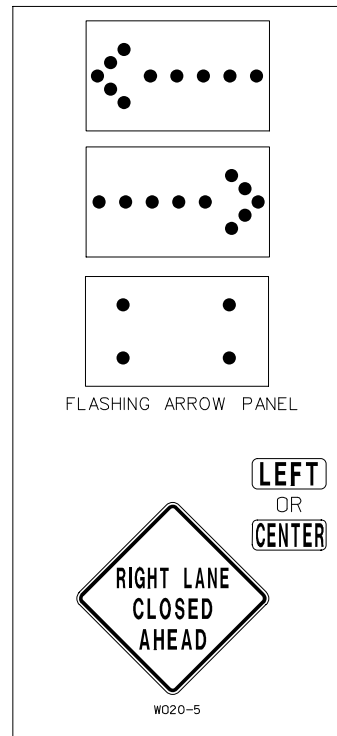
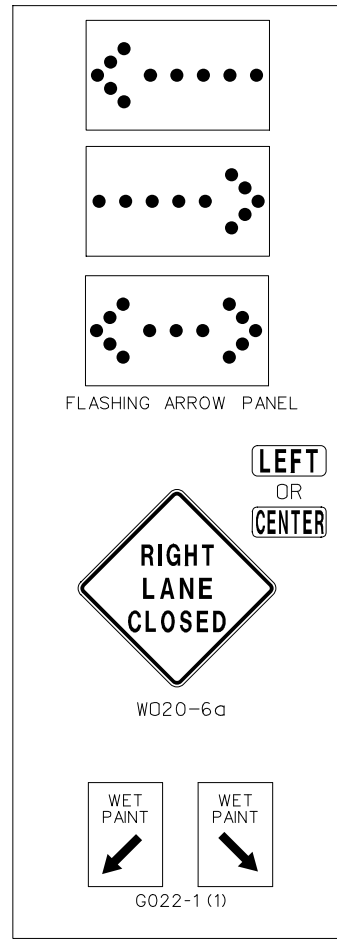
(1) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(2) WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR SPACING SHOWN, WHICH EVER IS GREATER.

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

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

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



SPEED	SPACING
PERMANENT POSTED (MPH)	LENGTH T (FT)
≤ 35	245
40-45	540
50-55	660
60-70	840

STRIPING ON MULTI-LANE HIGHWAY

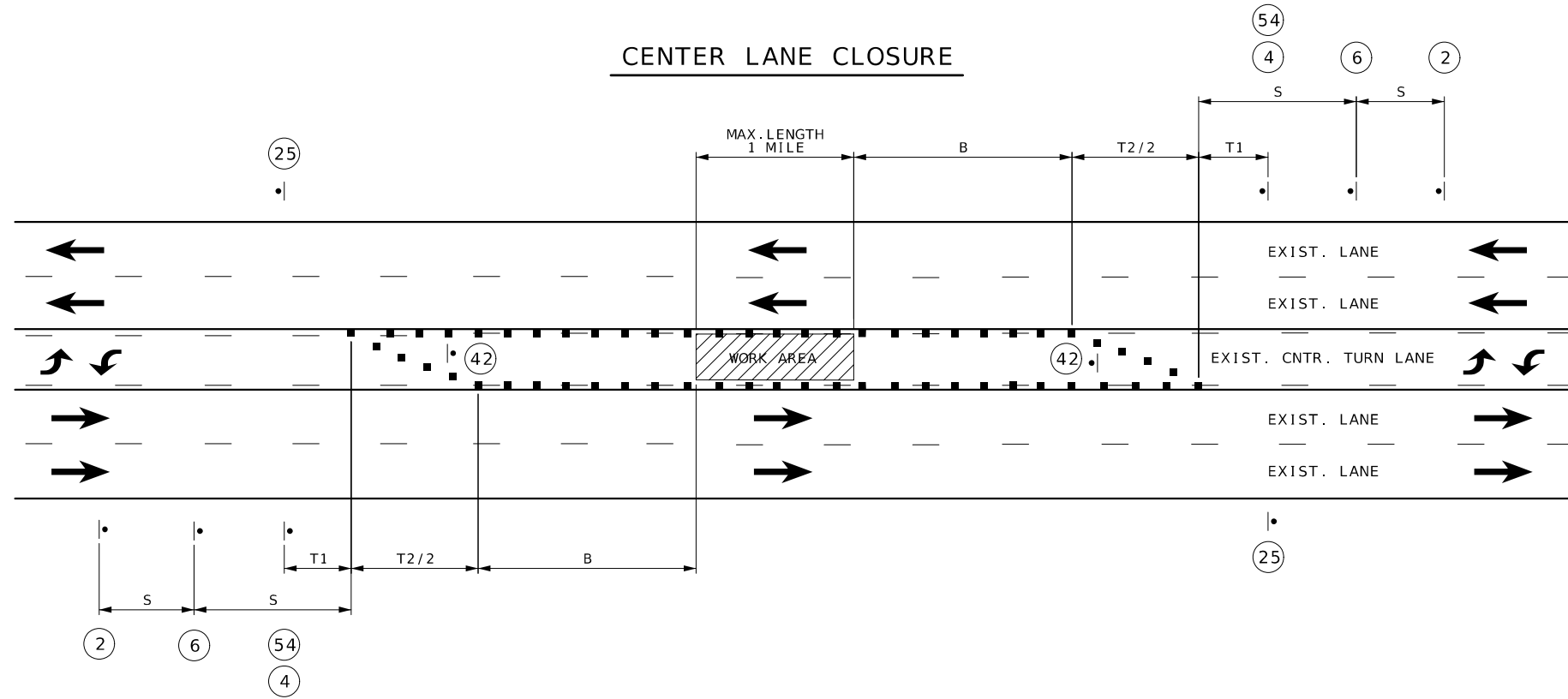
NOT TO SCALE

TRAFFIC CONTROL SHEET 6 OF 9



DATE PREPARED  
6/26/2024  
ROUTE 7 STATE MO  
DISTRICT SW SHEET NO. 10  
COUNTY HENRY  
JOB NO. JSR0027  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

### CENTER LANE CLOSURE



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

NOTES:

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.

IN TAPER SECTIONS, QUANTITY OF CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAXIMUM CHANNELIZER SPACING IN CHART.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURE, NO DIRECT PAY.

NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS, SIGNS, AND FLASHING ARROW PANEL.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING IS ONE-HALF SPACING SHOWN IN TABLE.

SPEED LIMIT SIGNS INDICATING NORMAL SPEED LIMIT SHALL BE INSTALLED AT END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.

ALL SIGNS, EXCEPT "NO PHONE ZONE", AND "POINT OF PRESENCE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS. SEE JOB SPECIAL PROVISIONS.

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

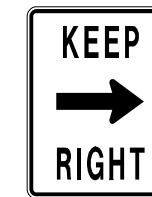
SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.



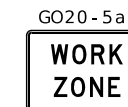
WO20-1  
2



WO20-6a  
6



R4-7a  
42



GO20-5aP  
R2-1  
54  
4



R2-1  
25  
(NORMAL SPEED)

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

NOT TO SCALE



DATE PREPARED  
6/20/2024

ROUTE 7 STATE MO

DISTRICT SW SHEET NO. 11

COUNTY HENRY

JOB NO. JSR0027

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

DATE

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

SPEED	SIGN SPACING (FT)		TAPER LENGTH (FT)		OPTIONAL BUFFER LENGTH (FT) (B)	CHANNELIZER SPACING (FT)	
	UNDIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (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

NOTES:

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

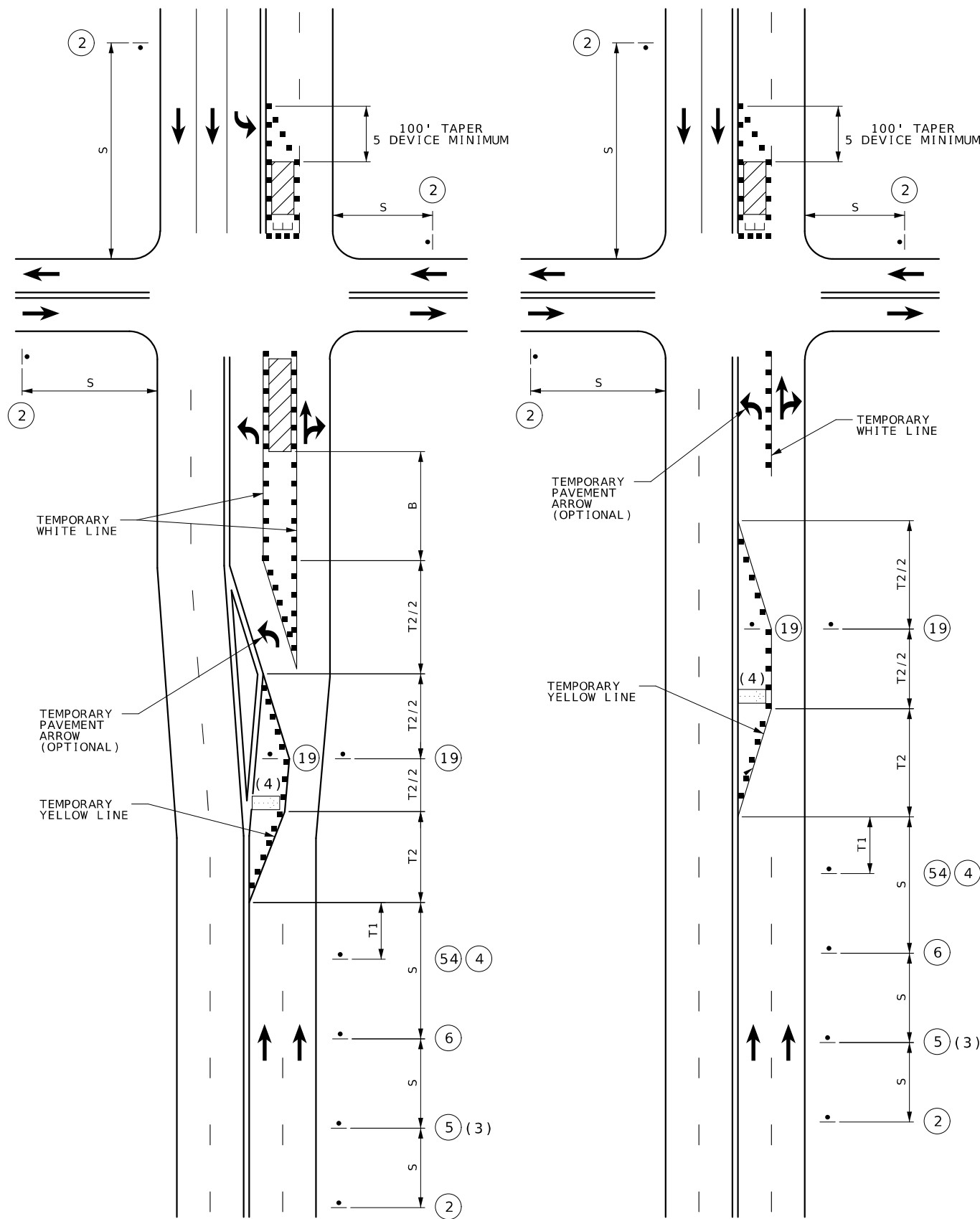
PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACINGS ARE ONE-HALF OF THE SPACING.

- (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.

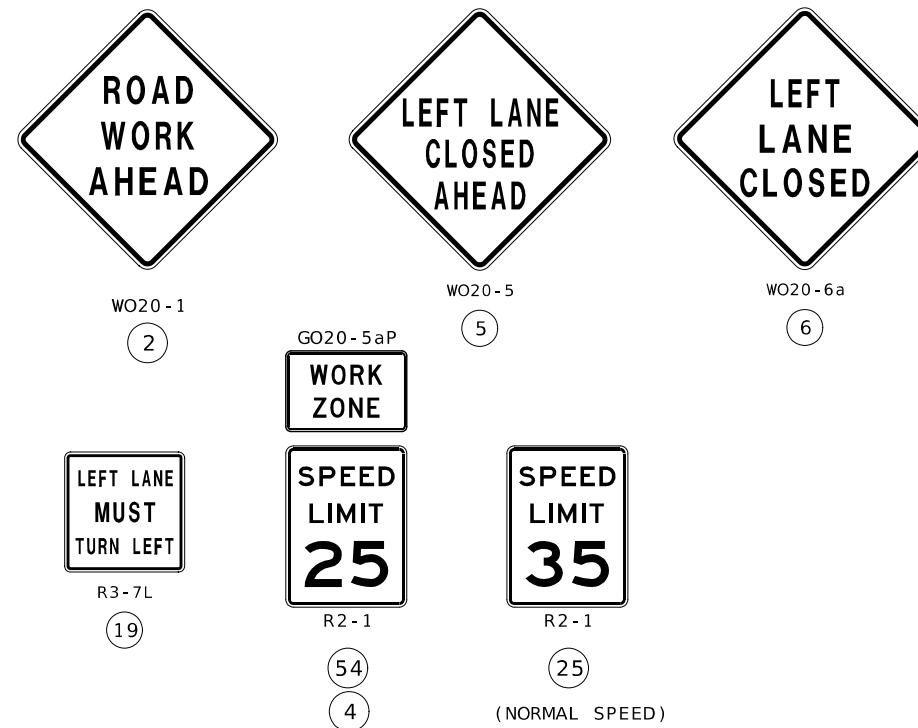
- (4) FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.



WORK ON NEAR OR FAR SIDE

WORK ON FAR SIDE ONLY

LEFT LANE CLOSURE AT INTERSECTION



NOT TO SCALE



DATE PREPARED  
6/20/2024

ROUTE 7 STATE MO  
DISTRICT SW SHEET NO. 12

COUNTY HENRY  
JOB NO. JSR0027  
CONTRACT ID.

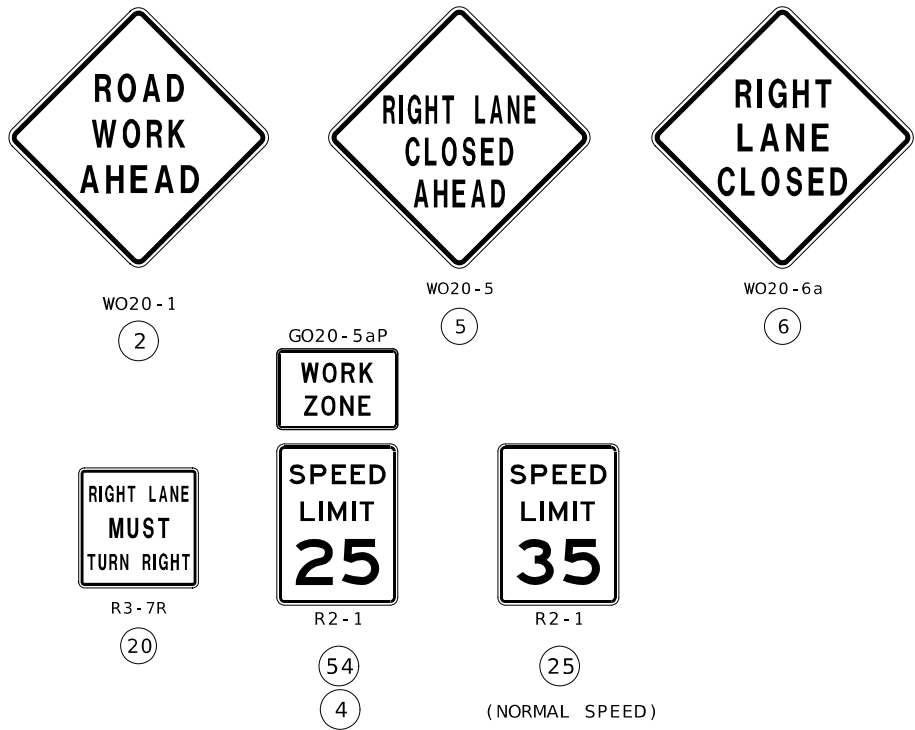
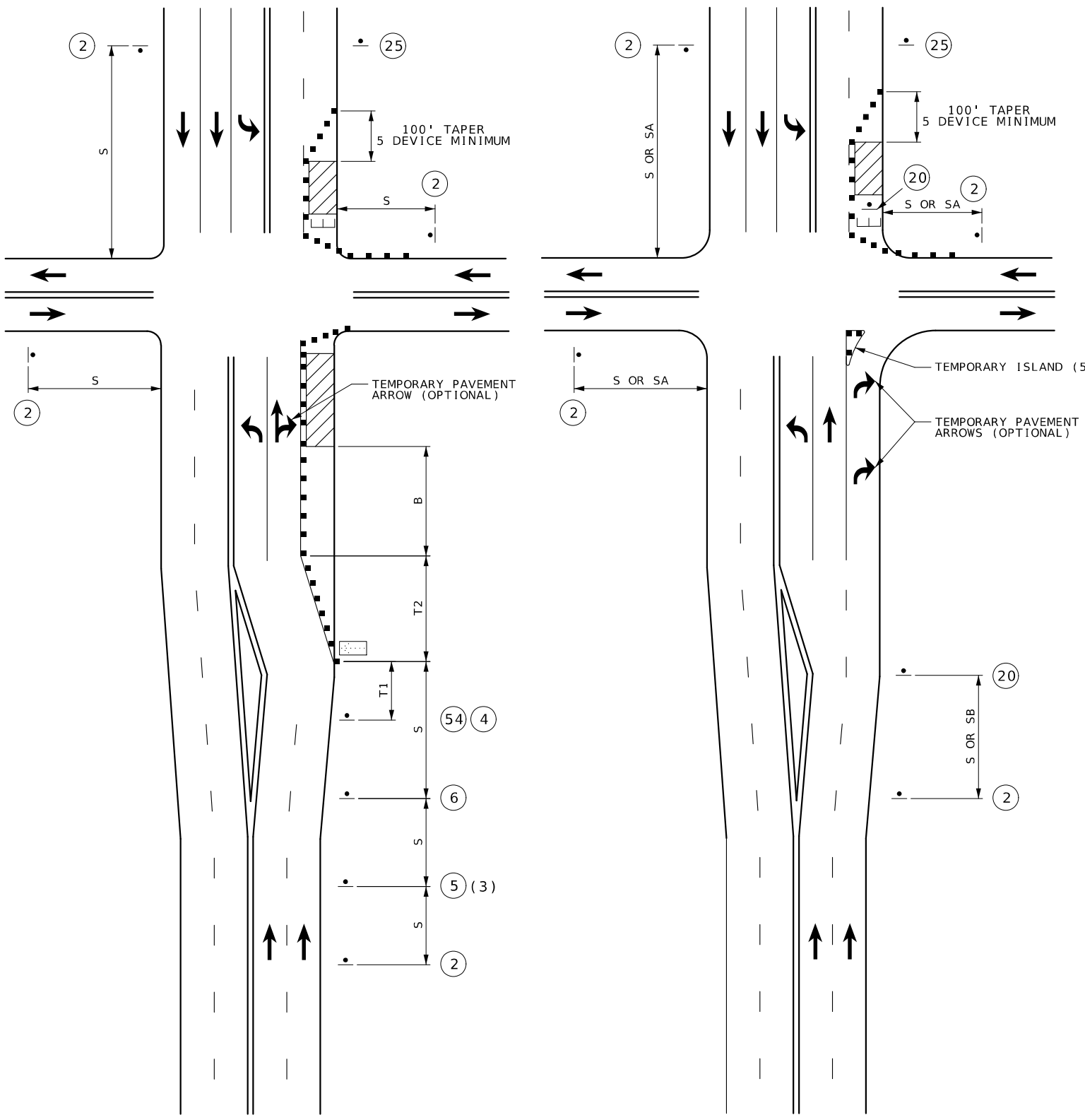
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

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

SPEED PERMANENT POSTED (MPH)	SIGN SPACING (FT)		TAPER LENGTH (FT)		OPTIONAL BUFFER LENGTH (FT) (B)	CHANNELIZER SPACING (FT)	
	UNDIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (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

- NOTES:
- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
  - (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.
- FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- 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 SPACINGS ARE ONE-HALF OF THE SPACING.
- (3) RIGHT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.
  - (4) TYPICAL APPLICATION ONLY APPLIES WHERE A SIGNIFICANT PERCENTAGE OF THE APPROACH TRAFFIC TURNS RIGHT.
  - (5) TEMPORARY ISLAND MAY BE USED TO EMPHASIZE THE MANDATORY RIGHT TURN MOVEMENT WHERE THERE IS A SUFFICIENT RIGHT TURN RADIUS.



WORK ON NEAR OR FAR SIDE                      WORK ON FAR SIDE ONLY (4)

RIGHT LANE CLOSURE AT INTERSECTION

NOT TO SCALE



**DESIGN DESIGNATION**

A.A.D.T. CONST - 2025 = 4556  
 A.A.D.T. DESIGN - 2045 = 5034  
 DVH (N/S) = 50.00%/ 50.00%  
 T = 13.11%  
 V = 35/45/60 M.P.H.

FUNCTIONAL CLASSIFICATION -  
 OTHER PRINCIPAL ARTERIAL

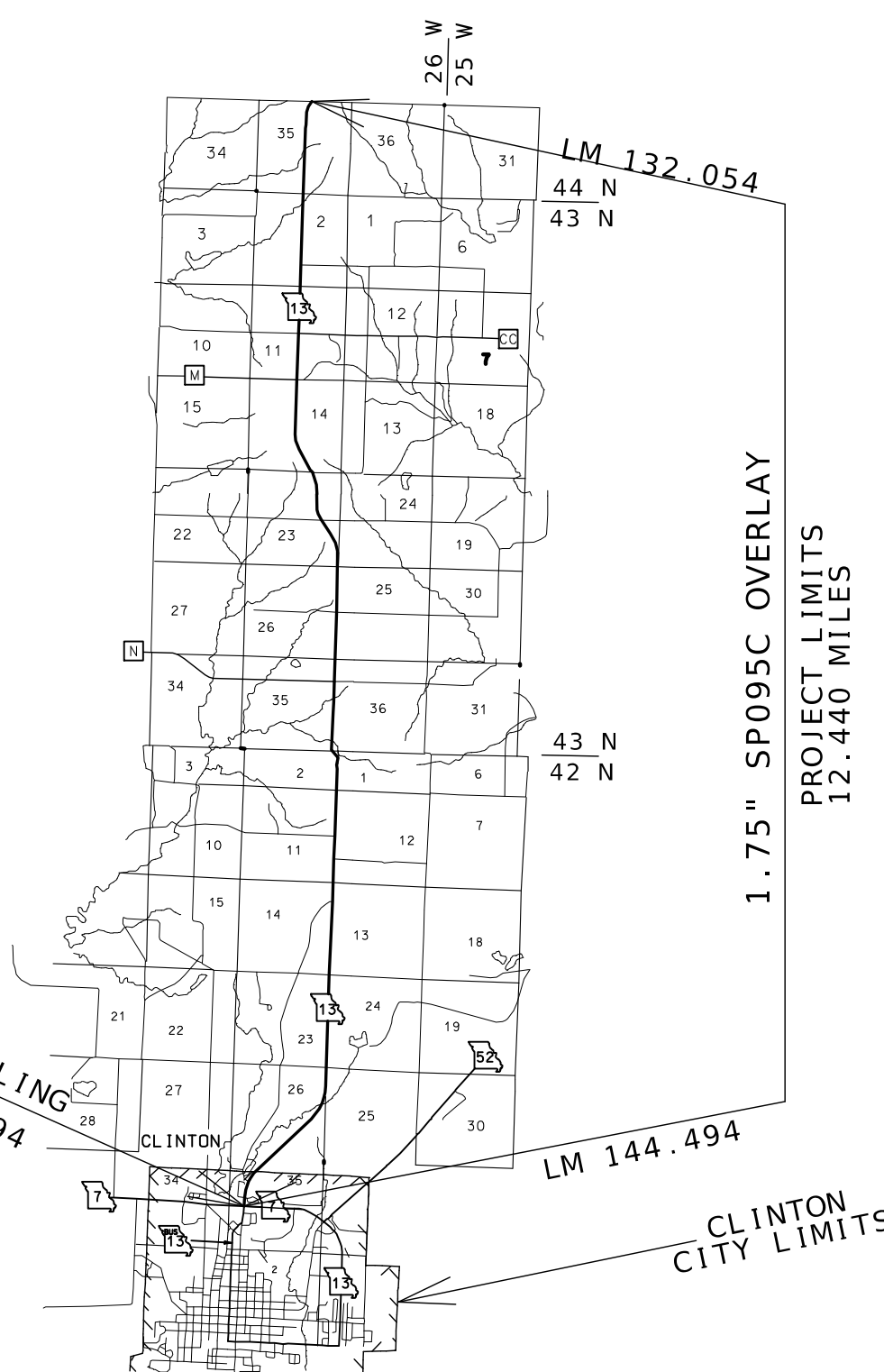
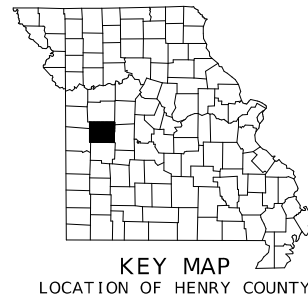
**NO NEW R/W REQUIRED**

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

## PLANS FOR PROPOSED

### STATE HIGHWAY

### HENRY COUNTY



**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		

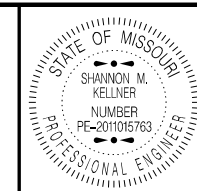
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

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
TYPICAL SECTIONS (TS) (9 SHEETS) --	2
QUANTITIES (QU) (3 SHEETS) -----	3
SPECIAL SHEETS (SS) -----	4
TRAFFIC CONTROL SHEETS (TC) -----	5-14
SIGNING (SN) -----	15-16



DATE PREPARED  
 7/15/2024  
 ROUTE 13 STATE MO  
 DISTRICT SW SHEET NO. 1  
 COUNTY HENRY  
 JOB NO. JSR0029  
 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)

**LENGTH OF PROJECT**

LOG MILES FROM 2021 ARAN

BEGINNING OF PROJECT	LM. 132.054
END OF PROJECT	LM. 144.494
APPARENT LENGTH	65683.20 FEET
EQUATIONS AND EXCEPTIONS:	

TOTAL CORRECTIONS	0.000 FEET
NET LENGTH OF PROJECT	65683.2 FEET
STATE LENGTH	12.440 MILES
FOR INFORMATION ONLY	
ESTIMATED DISTURBED ACRES	0.000 ACRES

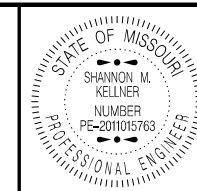
NOTES: LANE WIDTH NOTED IS TYPICAL LANE WIDTH.  
ADJUST PAVING WIDTHS TO EXISTING FIELD CONDITIONS.

SURFACE PLACEMENT - ONE PASS PER LANE

NO S.E. CORRECTION

REVISED: 1/4/2024

ASPHALT FACTORS	
COMBINED FACTOR	
SP095C (PG64-22)	1.970 TONS/CY
TACK COAT	
OVERLAY	0.08 GAL/SY
PRIME LIQUID ASPHALT MC 800	
PERMANENT AGGREGATE EDGE TREATMENT	0.25 GAL/SY
IRREGULARITIES: 75 TONS/MI	



DATE PREPARED  
**6/20/2024**

ROUTE <b>13</b>	STATE <b>MO</b>
DISTRICT <b>SW</b>	SHEET NO. <b>2</b>

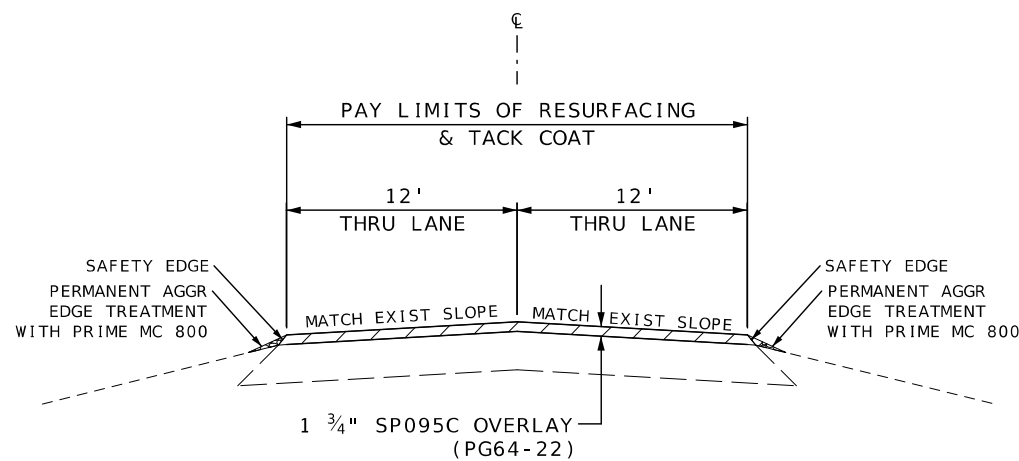
COUNTY  
**HENRY**

JOB NO.  
**JSR0029**

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



ROUTE 13  
LOG MILE 132.054 TO LOG MILE 144.216

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

NOTES: LANE WIDTH NOTED IS TYPICAL LANE WIDTH.  
ADJUST PAVING WIDTHS TO EXISTING FIELD CONDITIONS.

NO ADDITIONAL PAYMENT WILL BE MADE FOR ADDITIONAL  
COLDMILLING (UP TO 3") REQUIRED TO REMOVE ENTIRE  
TOP LIFT DUE TO DELAMINATION. THIS APPLIES TO  
ENTIRE PROJECT LIMITS.

SURFACE PLACEMENT - ONE PASS PER LANE

NO S.E. CORRECTION

REVISED: 1/4/2024

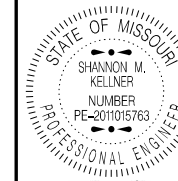
ASPHALT FACTORS  
COMBINED FACTOR

SP095C (PG64-22) 1.970 TONS/CY

TACK COAT

MILLING 0.10 GAL/SY

IRREGULARITIES: 75 TONS/MI



SHANNON M. KELLNER - CIVIL  
MO-PE-2011015763  
DATE PREPARED  
7/16/2024

ROUTE 13 STATE MO  
DISTRICT SW SHEET NO. 2

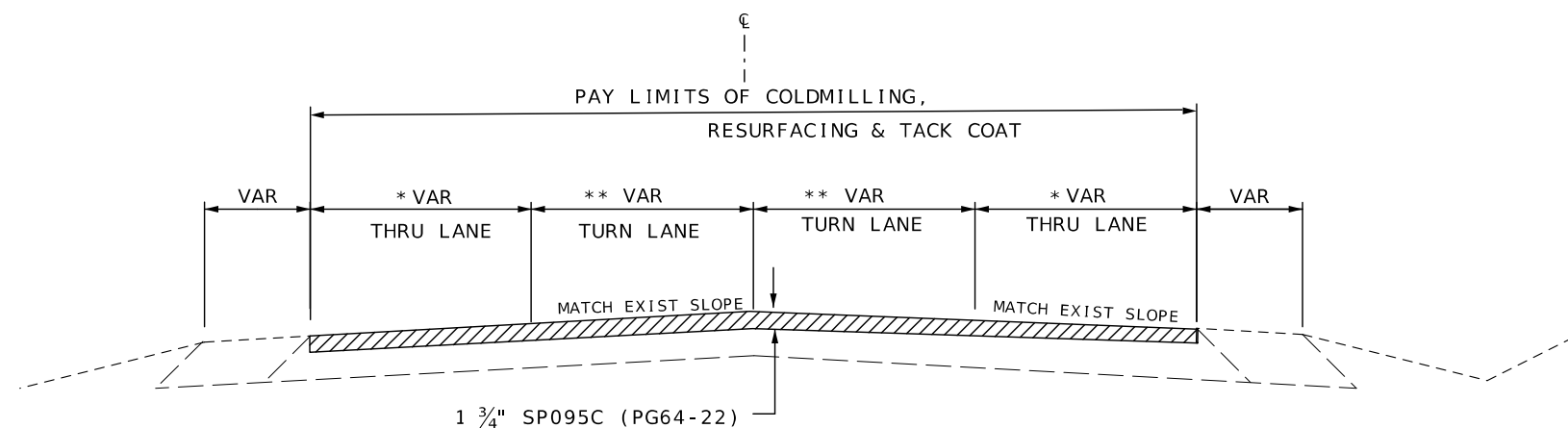
COUNTY HENRY

JOB NO. JSR0029

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



ROUTE 13

TRANSITION FROM 2 LANE TO 4 LANE  
LOG MILE 144.177 TO LOG MILE 144.332

\* LANE WIDTH FROM  
12' TO 24'

\*\* LANE WIDTH FROM  
0' TO 12'

NOTE:  
LOG MILE 144.117 TO LOG MILE 144.332  
SB LANE 12' TO 24'  
CENTER 0' TO 12'  
NB LANE 12'

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)



REVISED: 1/4/2024

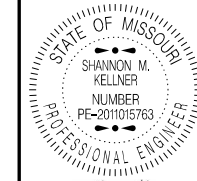
NOTES: LANE WIDTH NOTED IS TYPICAL LANE WIDTH.  
ADJUST PAVING WIDTHS TO EXISTING FIELD CONDITIONS.

NO ADDITIONAL PAYMENT WILL BE MADE FOR ADDITIONAL  
COLDMILLING (UP TO 3") REQUIRED TO REMOVE ENTIRE  
TOP LIFT DUE TO DELAMINATION. THIS APPLIES TO  
ENTIRE PROJECT LIMITS.

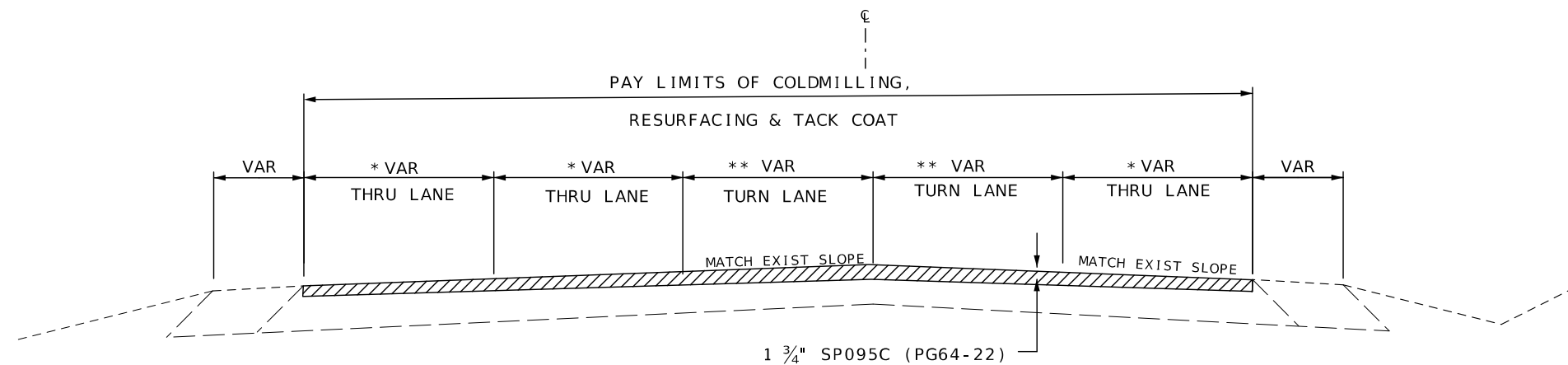
SURFACE PLACEMENT - ONE PASS PER LANE

NO S.E. CORRECTION

ASPHALT FACTORS	
COMBINED FACTOR	
SP095C (PG64-22)	1.970 TONS/CY
TACK COAT	
MILLING	0.10 GAL/SY
IRREGULARITIES: 75 TONS/MI	



DATE PREPARED 7/16/2024	
ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 2
COUNTY HENRY	
JOB NO. JSR0029	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



ROUTE 13

TRANSITION FROM 4 LANE TO 5 LANE  
LOG MILE 144.332 TO LOG MILE 144.420

- \* LANE WIDTH FROM 12' TO 24'
- \*\* LANE WIDTH FROM 0' TO 12'

NOTE:  
LOG MILE 144.332 TO LOG MILE 144.420  
SB LANE 24'  
CENTER 12'  
NB LANE 12' TO 24'

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

NOTES: LANE WIDTH NOTED IS TYPICAL LANE WIDTH.  
ADJUST PAVING WIDTHS TO EXISTING FIELD CONDITIONS.

NO ADDITIONAL PAYMENT WILL BE MADE FOR ADDITIONAL  
COLDMILLING (UP TO 3") REQUIRED TO REMOVE ENTIRE  
TOP LIFT DUE TO DELAMINATION. THIS APPLIES TO  
ENTIRE PROJECT LIMITS.

SURFACE PLACEMENT - ONE PASS PER LANE

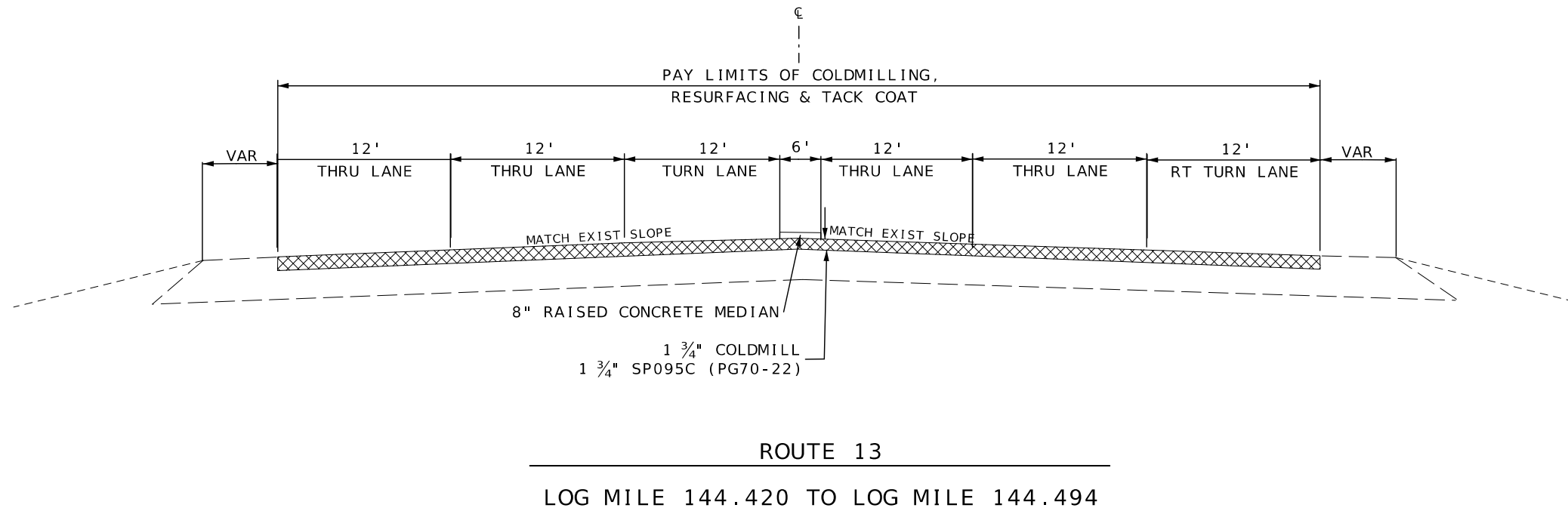
NO S.E. CORRECTION

REVISED: 1/4/2024

ASPHALT FACTORS	
COMBINED FACTOR	
SP095C (PG64-22)	1.970 TONS/CY
TACK COAT	
MILLING	0.10 GAL/SY
IRREGULARITIES: 75 TONS/MI	



DATE PREPARED 7/16/2024	
ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 2
COUNTY HENRY	
JOB NO. JSR0029	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

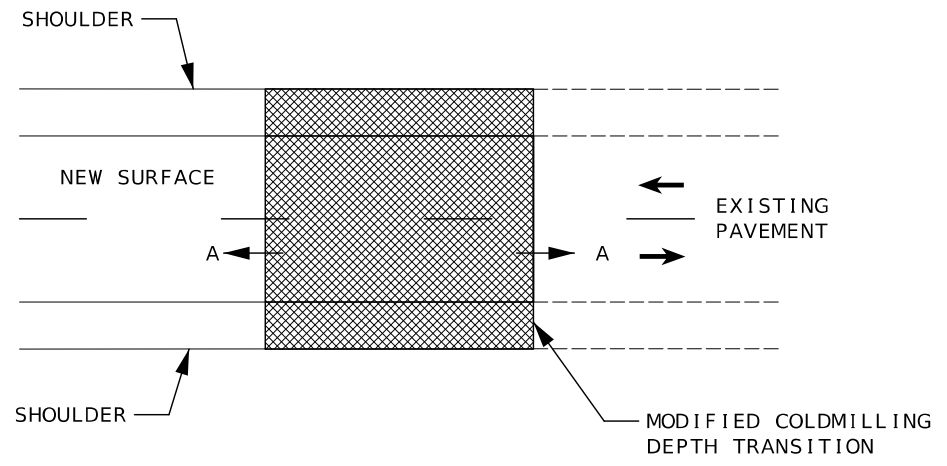


NOTE:  
FROM 144.420 TO 144.494  
SB LANE 24' TO 36'  
NB LANE 24, TO 36'

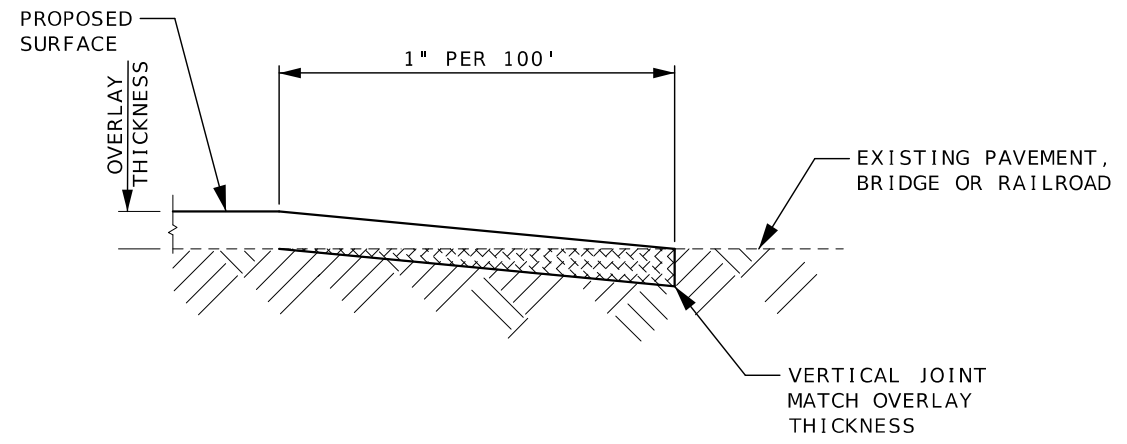
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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



MAINLINE, BRIDGE, AND RAILROAD PLAN



SECTION A-A

TRANSVERSE JOINT TRANSITION FOR SINGLE LIFT PROJECT BEGINNING, END, BRIDGE, OR RAILROAD

NOTE: MILL EXISTING CONCRETE 1" MAXIMUM.



DATE PREPARED  
6/20/2024 3:43:10 PM  
SHANNON M. KELLNER - CIVIL  
MO-PE-2011015763

ROUTE 13 STATE MO

DISTRICT SW SHEET NO. 2

COUNTY HENRY

JOB NO. JSR0029

CONTRACT ID.

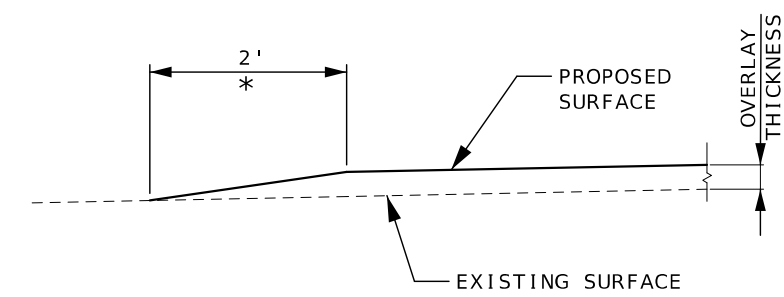
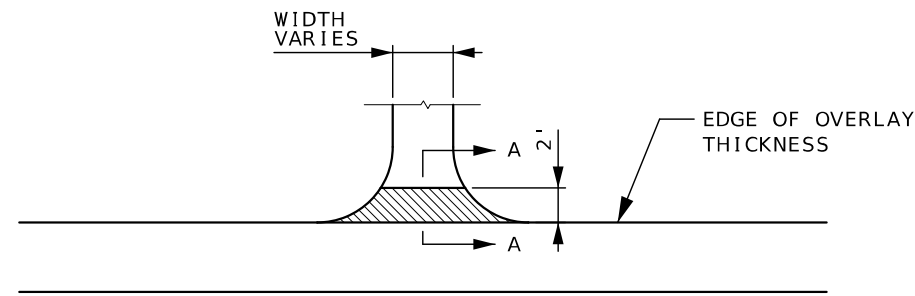
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

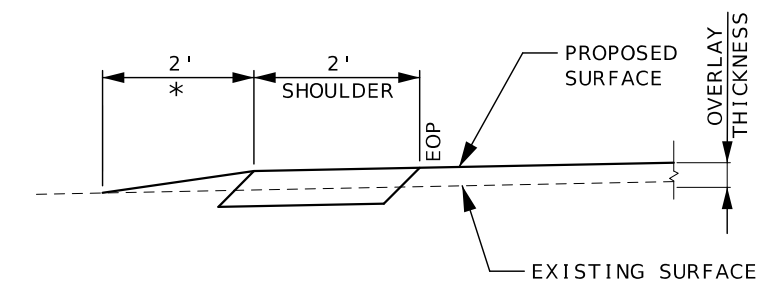
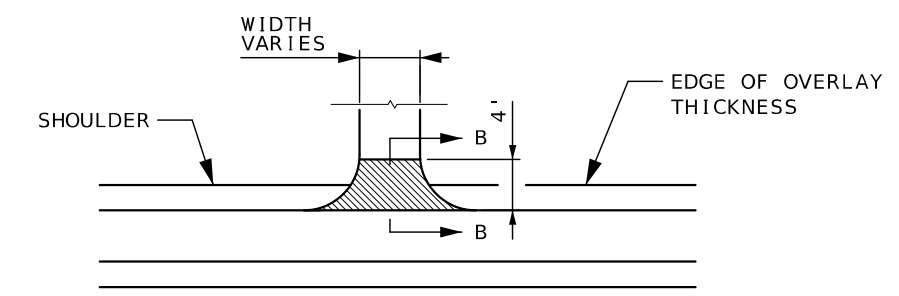
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

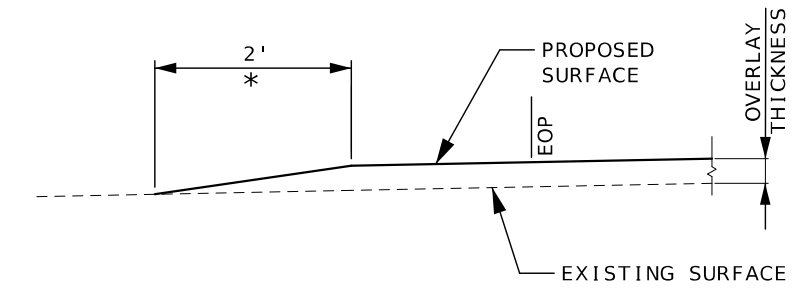


**SECTION A-A**  
 TYPICAL ENTRANCE - NO SHOULDER  
 (FIELD, PRIVATE OR COUNTY ROAD)  
 \*TAPER AT 1:1 FOR FIELD ENTRANCE

NOTE: 4 TONS GRAVEL A OR CRUSHED STONE  
 CALCULATED PER ENTRANCE.  
 6 TONS CALCULATED PER COUNTY ROAD.



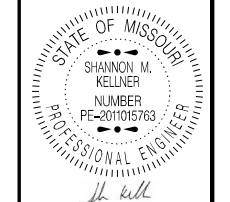
**AGGREGATE & EARTH ENTRANCES**



**ASPHALT & CONCRETE ENTRANCES**

**SECTION B-B**  
 TYPICAL ENTRANCE - EXIST/NEW SHOULDER  
 (FIELD, PRIVATE OR COUNTY ROAD)  
 \*TAPER AT 1:1 FOR FIELD ENTRANCE

NOTES: DO NOT BUILD 2' MODIFIED A3 SHOULDERS  
 ACROSS CONCRETE OR ASPHALT ENTRANCES,  
 STREETS OR ROADS.  
 4 TONS GRAVEL A OR CRUSHED STONE B  
 CALCULATED PER ENTRANCE.  
 6 TONS CALCULATED PER COUNTY ROAD.



DATE PREPARED  
**6/20/2024**

ROUTE <b>13</b>	STATE <b>MO</b>
DISTRICT <b>SW</b>	SHEET NO. <b>2</b>

COUNTY  
**HENRY**

JOB NO.  
**JSR0029**

CONTRACT ID.

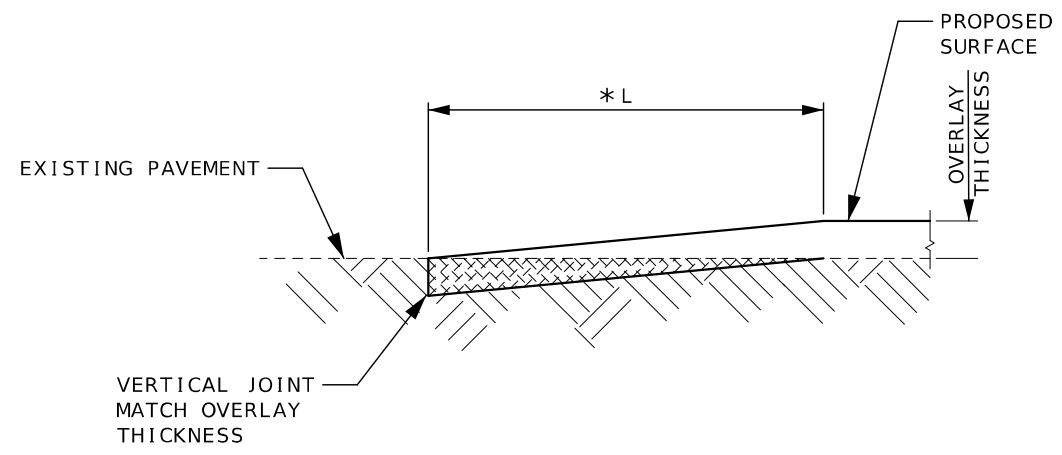
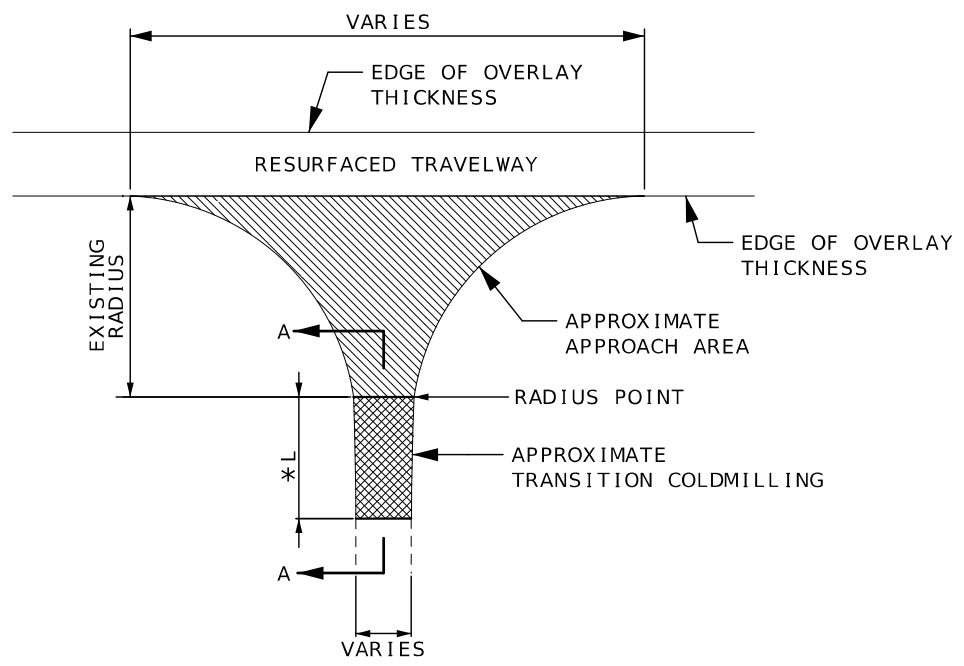
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

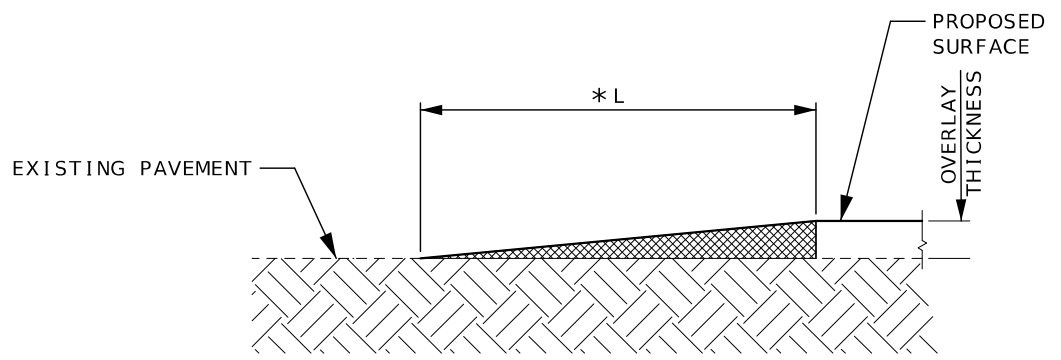
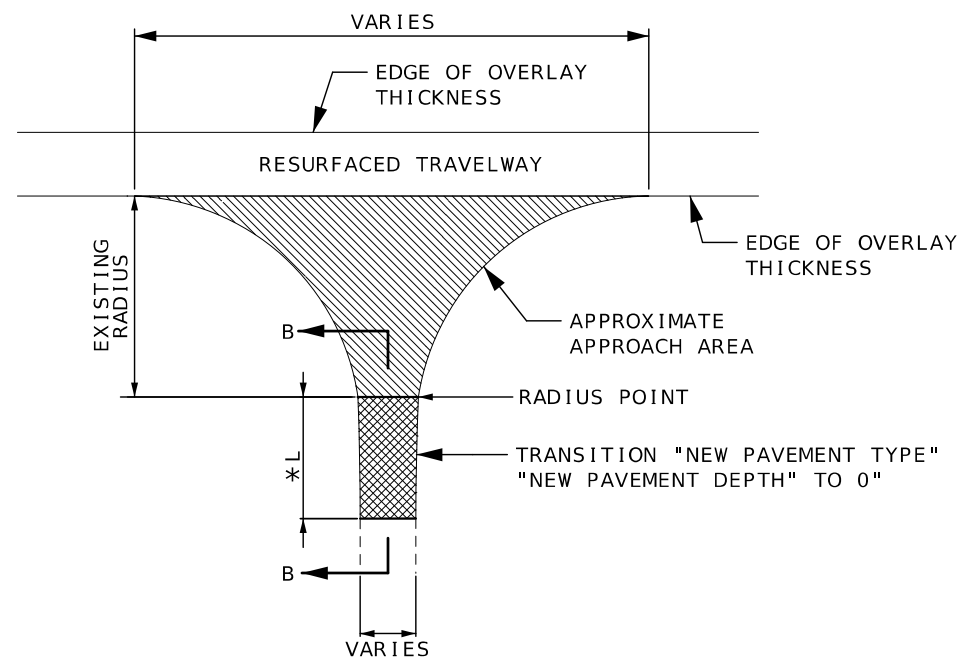


SECTION A-A

SURFACING REQUIREMENTS FOR OVERLAYS AT STATE ROUTES. SEE QUANTITY SHEETS FOR LOCATIONS.

\*TRANSITION LENGTHS

OVERLAY THICKNESS	DEPTH TRANS. LENGTH (L)
1"	20.0'
1 1/2"	40.0'
1 3/4"	50.0'
2"	60.0'



SECTION B-B

SURFACING REQUIREMENTS FOR OVERLAYS AT EXISTING COLD MIX STATE ROUTES. SEE QUANTITY SHEETS FOR LOCATIONS.

\*TRANSITION LENGTHS

OVERLAY THICKNESS	DEPTH TRANS. LENGTH (L)
1"	20.0'
1 1/2"	40.0'
1 3/4"	50.0'
2"	60.0'

SHANNON M. KELLNER  
PROFESSIONAL ENGINEER  
NUMBER PE-2011015763

DATE PREPARED: 6/20/2024

ROUTE: 13 STATE: MO

DISTRICT: SW SHEET NO.: 2

COUNTY: HENRY

JOB NO.: JSR0029

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

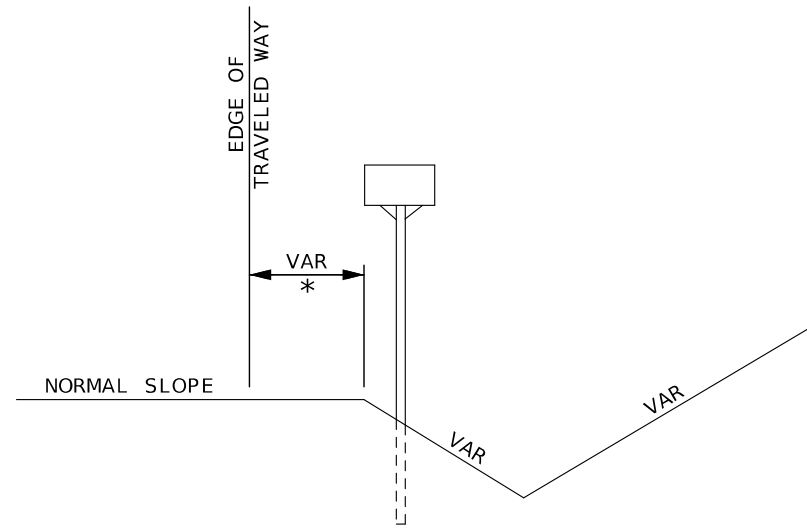
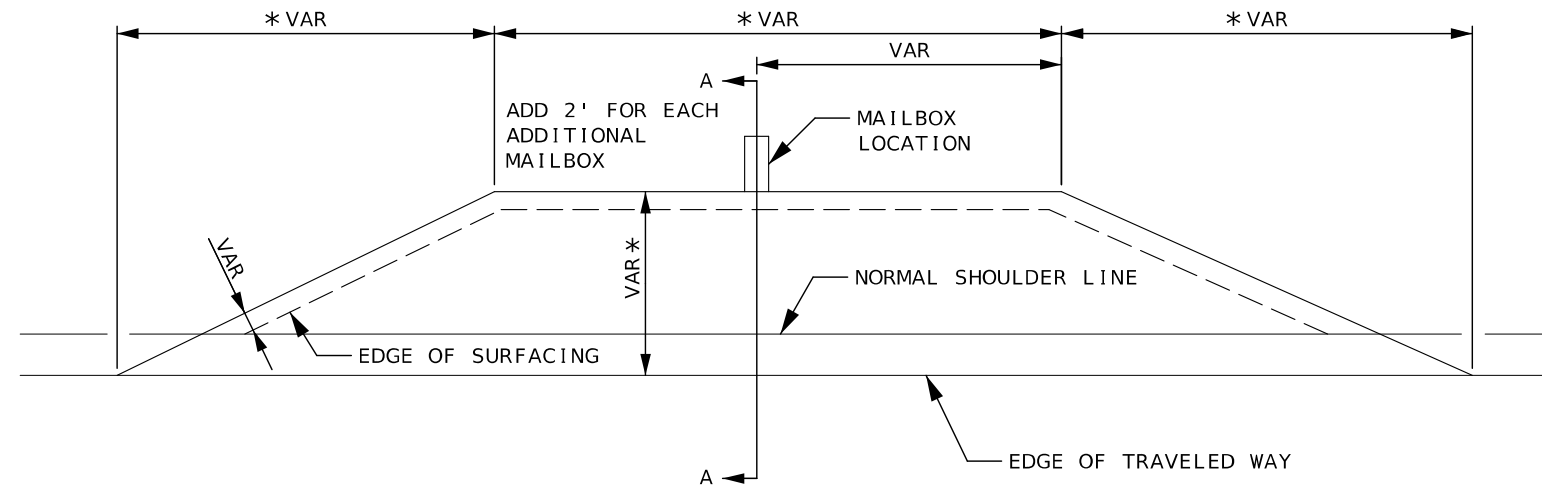
105 WEST CAPITOL JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



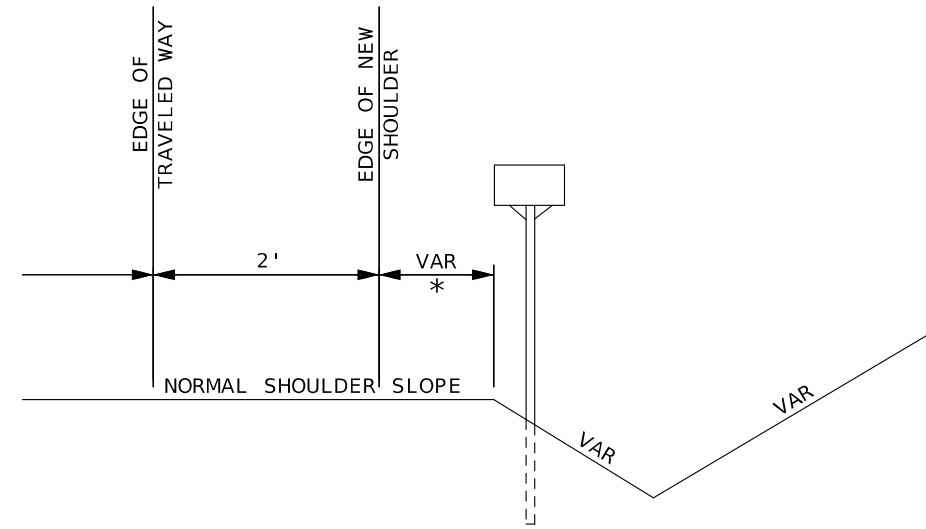
NOTE: MAILBOX TURNOUT QUANTITIES BASED ON 2' WIDTH AND 15' LENGTH. ADD 2' IN LENGTH PER ADDITIONAL MAILBOX AT SAME LOCATION, AS APPROVED BY THE ENGINEER.

### TYPICAL MAILBOX TURNOUT

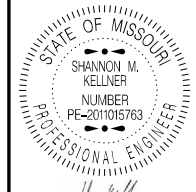
\* AS APPROVED BY THE ENGINEER



SECTION A-A  
NO SHOULDER



SECTION A-A  
SHOULDER



DATE PREPARED  
6/20/2024 2:43:59 PM  
SHANNON M. KELLNER - CIVIL  
MO-PE-2011015763

ROUTE 13 STATE MO

DISTRICT SW SHEET NO. 2

COUNTY HENRY

JOB NO. JSR0029

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DESCRIPTION	DATE

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DESCRIPTION

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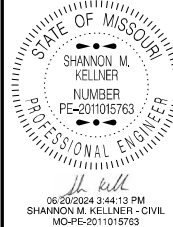
DATE

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED  
6/20/2024

ROUTE 13 STATE MO

DISTRICT SW SHEET NO. 2

COUNTY HENRY

JOB NO. JSR0029

CONTRACT ID.

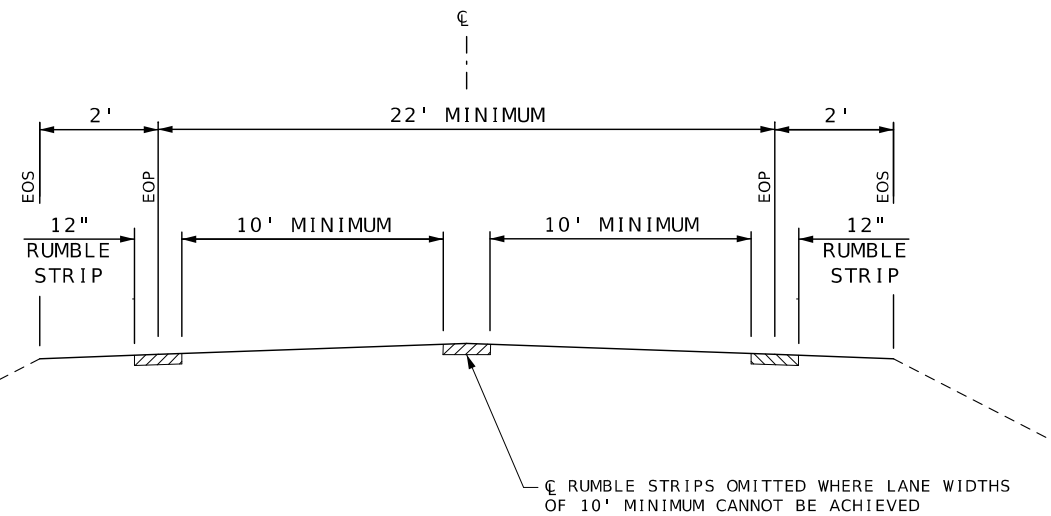
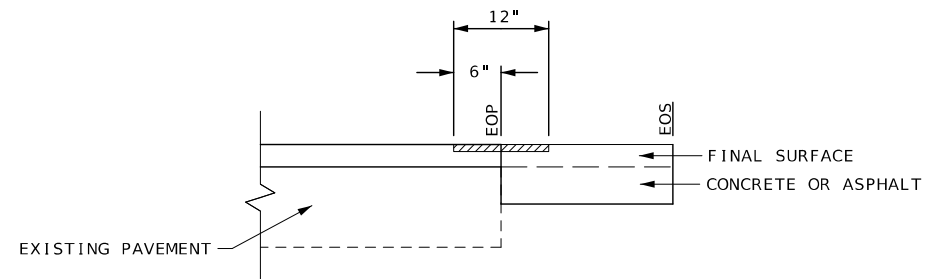
PROJECT NO.

BRIDGE NO.

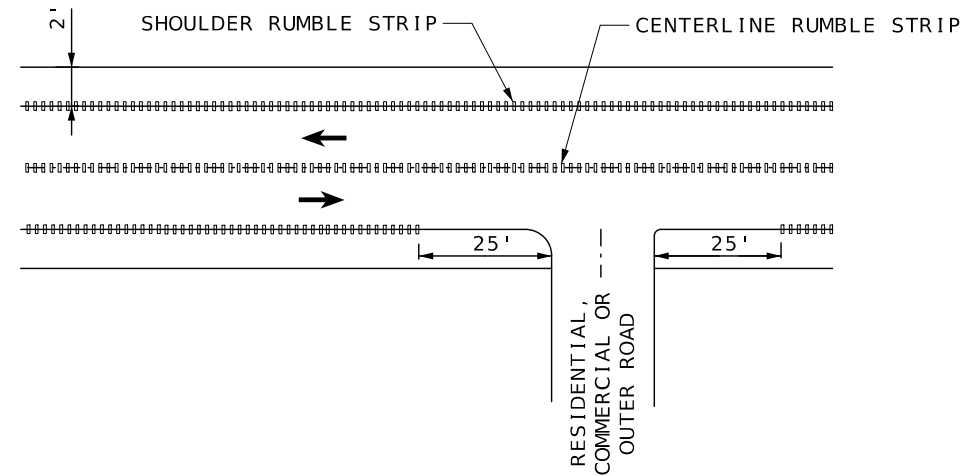
**RUMBLE STRIPS FOR 2' MODIFIED A3 SHOULDERS**

AS APPROVED BY THE ENGINEER, A 6" MINI RUMBLE STRIP  
MAY BE USED WHERE A 12" RUMBLE STRIP DOES NOT FIT.

**RUMBLE STRIP DETAILS**



**INTERSECTION RUMBLE STRIP LAYOUT**



DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MODIFIED COLDMILLING (DEPTH TRANSITIONS)							
ROUTE	LOG MILE	TO	LOG MILE	NET LENGTH	AVERAGE WIDTH	AREA	REMARKS
				LF	LF		
MO 13	132.054	-	132.087	175.0	24.0	466.7	BEGINNING OF PROJECT
MO 13	144.401	-	144.434	175.0	VAR	961.0	AT CONCRETE MEDIAN
TOTAL						1427.7	
USE						1428	

BITUMINOUS SHOULDER RUMBLE STRIP			
LOG MILE TO MILE	LOCATION	RUMBLE STRIP (STA)	REMARKS
132.054 - 143.838	MO 13	622.2	LT EOP
132.054 - 143.838	MO 13	622.2	RT EOP
TOTAL		1244.4	
USE		1244.4	

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACE (3 IN. THICK OR LESS)							
ROUTE	LOG MILE	TO	LOG MILE	AVERAGE LENGTH	AVERAGE WIDTH	AREA	REMARKS
				LF	LF		
MO 13	144.434	-	144.494	316.8	VAR	1900.0	WEST QUAD. - BEGIN OF CONC. MEDIAN TO EOP RTE. 7 INCLUDING RADUIS
MO 13	144.434	-	144.494	316.8	VAR	2108.0	EAST QUAD. - BEGIN OF CONC. MEDIAN TO EOP RTE. 7 INCLUDING RADUIS
TOTAL						4008.0	
USE						4008	

BITUMINOUS CENTERLINE RUMBLE STRIP			
LOG MILE TO MILE	LOCATION	RUMBLE STRIP (STA)	REMARKS
132.054 - 143.838	MO 13	622.2	CENTERLINE
TOTAL		622.2	
USE		622.2	

ASPHALT, TACK								
ROUTE LT/RT	LOG MILE	TO	LOG MILE	NET LENGTH	AVERAGE WIDTH	SP095C	TACK	REMARKS
				LF	LF	TONS	GAL	
MO 13	132.054	-	144.216	64215.4	24.0	16398.7	17124.1	
MO 13	144.216	-	144.419	1071.8	48.0	547.4	571.6	4 LANE SECTION
MO 13	144.419	-	144.494	396.0	VAR	182.0	190.0	WEST QUAD. - BEGIN OF CONC. MEDIAN TO EOP RTE 7 INCLUDING RADIUS
MO 13	144.419	-	144.494	396.0	VAR	199.7	210.7	EAST QUAD. - BEGIN OF CONC. MEDIAN TO EOP RTE 7 INCLUDING RADIUS
MO 13	132.054	-	144.949	4944.0	2.0	105.2		ENTRANCES & SIDEROADS
MO 13	132.054	-	144.949	182.0	2.0	3.9		MAILBOX TURNOUTS
MO 13	132.054	-	144.494	-	-	933.0		IRREGULARITIES 75 TONS/MILE
TOTAL						18369.9	18096.4	
USE						18369.9	18096	

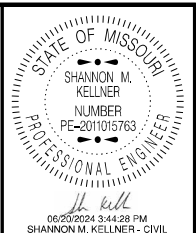
GRAVEL (A) OR CRUSHED STONE (B)  
260 TONS

PERMANENT AGGREGATE EDGE TREATMENT							
ROUTE	LOG MILE	TO	LOG MILE	LENGTH	AGGREGATE 200 TON/MILE*	PRIME MC 800 590 GAL/MILE*	REMARKS
				MILES	TON	GAL	
MO 7 SB	132.054	-	144.401	12.347	2469.4	7285	
TOTALS					2469.4	7285	
USE					2469.4	7285	*INCLUDES 2' WIDTH BOTH SIDES OF ROADWAY

CONTRACTOR FURNISHED SURVEYING & STAKING  
1 LUMP SUM

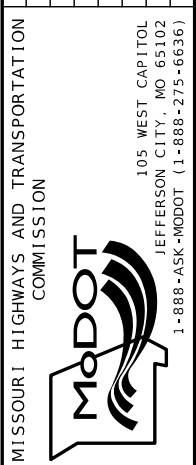
MOBILIZATION  
1 LUMP SUM

SUMMARY OF QUANTITIES  
SHEET 1 OF 3



DATE PREPARED  
6/20/2024  
ROUTE 13 STATE MO  
DISTRICT SW SHEET NO. 3  
COUNTY HENRY  
JOB NO. JSR0029  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION



PAVEMENT MARKING												
ROUTE	LOG MILE	TO	LOG MILE	LOCATION	WATERBORNE PAINT, TYPE L BEADS				THERMOPLASTIC			REMARKS
					6" SOLID WHITE	6" INT WHITE	6" SOLID YELLOW	6" INT YELLOW	24" WHITE	24" YELLOW	LT/RT ARROW WHITE	
					LF	LF	LF	LF	LF	LF	EACH	
MO 13	132.054	-	132.318	MO 13	2790.0		2790.0					
MO 13	132.318	-	132.499	MO 13	1910.0		960.0	240.0				
MO 13	132.499	-	132.758	MO 13	2740.0			342.5				
MO 13	132.758	-	132.858	MO 13	1060.0		530.0	132.5				
MO 13	132.858	-	133.519	MO 13	6980.0		6980.0					
MO 13	133.519	-	133.679	MO 13	1690.0		840.0	210.0				
MO 13	133.679	-	133.758	MO 13	830.0			105.0				
MO 13	133.758	-	133.957	MO 13	2100.0		1050.0	262.5				
MO 13	133.957	-	134.377	MO 13	4440.0		4440.0					
MO 13	134.377	-	134.558	MO 13	1910.0		960.0	240.0				
MO 13	134.558	-	134.597	MO 13	410.0			52.5				
MO 13	134.597	-	134.777	MO 13	1900.0		950.0	237.5				
MO 13	134.777	-	135.856	MO 13	11390.0		11390.0					
MO 13	135.856	-	136.174	MO 13	3360.0		3360.0	420.0				
MO 13	136.174	-	137.236	MO 13	11210.0		11210.0					
MO 13	137.236	-	137.416	MO 13	1900.0		950.0	237.5				
MO 13	137.416	-	137.677	MO 13	2760.0			345.0				
MO 13	137.677	-	137.876	MO 13	2100.0		1050.0	262.5				
MO 13	137.876	-	138.295	MO 13	4420.0		4420.0					
MO 13	138.295	-	138.475	MO 13	1900.0		950.0	237.5				
MO 13	138.475	-	138.636	MO 13	1700.0			212.5				
MO 13	138.636	-	138.815	MO 13	1890.0		950.0	237.5				
MO 13	138.815	-	139.475	MO 13	6970.0		6970.0					
MO 13	139.475	-	139.655	MO 13	1900.0		950.0	237.5				
MO 13	139.655	-	139.695	MO 13	420.0			52.5				
MO 13	139.695	-	139.876	MO 13	1910.0		960.0	240.0				
MO 13	139.876	-	140.135	MO 13	2740.0		2740.0					
MO 13	140.135	-	140.315	MO 13	1900.0		950.0	237.5				
MO 13	140.315	-	142.095	MO 13	18800.0			2350.0				
MO 13	142.095	-	142.274	MO 13	1890.0		950.0	237.5				
MO 13	142.274	-	142.374	MO 13	1060.0		1060.0					
MO 13	142.374	-	142.474	MO 13	1060.0		530.0	132.5				
MO 13	142.474	-	142.754	MO 13	2960.0			370.0				
MO 13	142.754	-	142.955	MO 13	2120.0		1060.0	265.0				
MO 13	142.955	-	143.237	MO 13	2980.0		2980.0					
MO 13	143.237	-	143.418	MO 13	1910.0		960.0	240.0				
MO 13	143.418	-	143.518	MO 13	1060.0			132.5				
MO 13	143.518	-	143.819	MO 13	3180.0		1590.0	397.5				
MO 13	143.819	-	143.898	MO 13	830.0			105.0				
MO 13	143.898	-	144.077	MO 13	1890.0		1890.0					
MO 13	144.077	-	144.237	MO 13	1690.0		840.0	210.0				
MO 13	144.237	-	144.434	MO 13	2080.0	520.0	1040.0	260.0				
MO 13	144.434	-	144.494	MO 13	950.0	157.5	320.0					
MO 13 NB	146.125	-	146.186	MO 13	970.0	160.0	320.0					
MO 13	144.365			CENTER LANE							1	LT TURN ARROW
MO 13	144.275			CENTER LANE							1	LT TURN ARROW
MO 13 SB	144.455			LT TURN LANE							2	LT TURN ARROW
MO 13 SB	144.475			LT TURN LANE							2	LT TURN ARROW
MO 13	144.177			CENTER LANE				85.0				
MO 13	144.334			CENTER LANE				157.0				
MO 13 SB	144.494			LT TURN LANE							2	LT TURN ARROW
MO 13 NB	146.165			LT TURN LANE							1	LT TURN ARROW
MO 13 NB	146.186			LT TURN LANE							1	LT TURN ARROW
MO 13 NB	146.245			RT TURN LANE							1	RT TURN ARROW
MO 13 NB	146.265			RT TURN LANE							1	RT TURN ARROW
MO 13 NB	146.286			RT TURN LANE							1	RT TURN ARROW
MO 13 SB	144.494											STOP BARS
TOTALS					132660	838	78210	9243	36.0	242	13	
USE					133498		87453		36	242	13	

SUMMARY OF QUANTITIES  
SHEET 2 OF 3

DATE PREPARED	
6/20/2024	STATE
ROUTE 13	MO
DISTRICT SW	SHEET NO. 3
COUNTY HENRY	
JOB NO. JSR0029	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
105 WEST CAPITOL JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

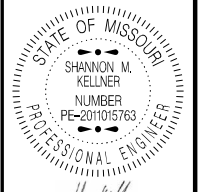
Table with columns: SIGN, SIZE, AREA, QTY, TOTAL AREA, QTY RELOC, TOTAL RELOC, SIGN NUM., DESCRIPTION. Includes sections for WARNING SIGNS, REGULATORY SIGNS, and MISCELLANEOUS SIGNS.

Table with columns: SIGN, SIZE, AREA, QTY, TOTAL, QTY RELOC, TOTAL RELOC, SIGN NUM., DESCRIPTION. Includes sections for GUIDE SIGNS and REGULATORY SIGNS.

Table with columns: ITEM NUMBER, TOTAL QTY, DESCRIPTION. Lists various traffic signs and materials with their respective quantities.

Summary table with columns: SIGN, TOTAL, TOTAL. Totals for CONSTRUCTION SIGNS (1057) and RELOCATED SIGNS (0).

SUMMARY OF QUANTITIES SHEET 3 OF 3



DATE PREPARED 7/1/2024 ROUTE 13 MO DISTRICT SW SHEET NO. 3 COUNTY HENRY JOB NO. JSR0029 CONTRACT ID.

PROJECT NO. BRIDGE NO.

Table with columns: DESCRIPTION, DATE. Lists project descriptions and dates.

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

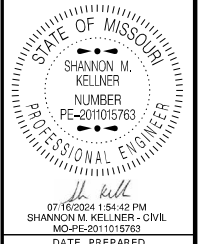


### LOCATION OF SIGNS

ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THIS PROJECT.  
ALL LOG MILES AND/OR LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND CAN VARY AS APPROVED BY ENGINEER

NOT TO SCALE

SPECIAL SHEET  
SHEET 1 OF 1



DATE PREPARED  
**6/20/2024**

ROUTE <b>13</b>	STATE <b>MO</b>
DISTRICT <b>SW</b>	SHEET NO. <b>4</b>
COUNTY <b>HENRY</b>	
JOB NO. <b>JSR0029</b>	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-273-6636)

GENERAL NOTES:

1. ANY EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
2. TEMPORARY SIGNING SHOWN IS FOR WORK ON ONE SIDE OF THE ROAD. FOR WORK ON THE OTHER SIDE, REVERSE ORDER OF THE SIGNS AND CHANNELIZERS.
3. SIGNING SHOWN SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
4. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.
5. REFER TO STANDARD DRAWING 616.10, 619.10, AND 620.10 FOR ADDITIONAL DETAILS AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.
6. SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.
7. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.
8. NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONSTRUCTION SIGNS, OR FLASHING ARROW PANEL.
9. ALL SIGNS SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PROPER TRAFFIC CONTROL SETUPS THROUGHOUT CONSTRUCTION AS DESCRIBED IN THESE PLANS OR AS APPROVED BY THE ENGINEER.
11. WHERE MINIMUM LANE WIDTHS CANNOT BE ACHIEVED ON THE SIDE STREETS, THE CONTRACTOR SHALL CLOSE HALF OF THE APPROACH AND POSITION A FLAGGER AT EACH END OF THE WORK AREA. LOCATION TO BE DETERMINED BY THE ENGINEER. ADVANCE FLAGGER SIGNING SHALL BE INSTALLED AS OUTLINED IN THE MUTCD.
12. THE CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO ALL BUSINESSES AND STREETS. NO STREET OR ENTRANCE SHALL BE COMPLETELY BLOCKED.
13. SPACING & DISTANCES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD & APPROVED BY THE ENGINEER.
14. TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
15. ADJUST ADVANCE WARNING SIGN SPACING TO AVOID SIGN PLACEMENT WITHIN THE LIMITS OF THE RAILROAD RIGHT OF WAY.



DATE PREPARED  
**6/26/2024**

ROUTE **13** STATE **MO**  
DISTRICT **SW** SHEET NO. **5**

COUNTY  
**HENRY**

JOB NO.  
**JSR0029**

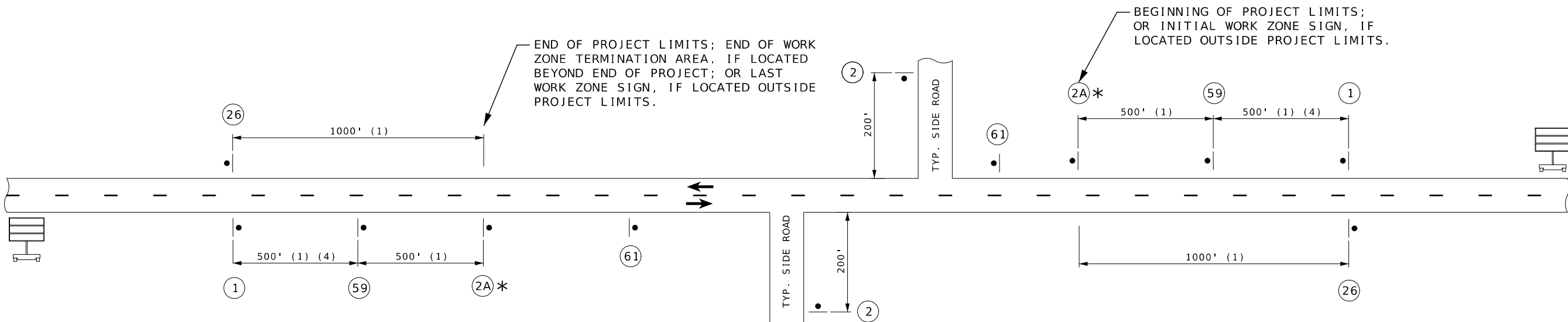
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

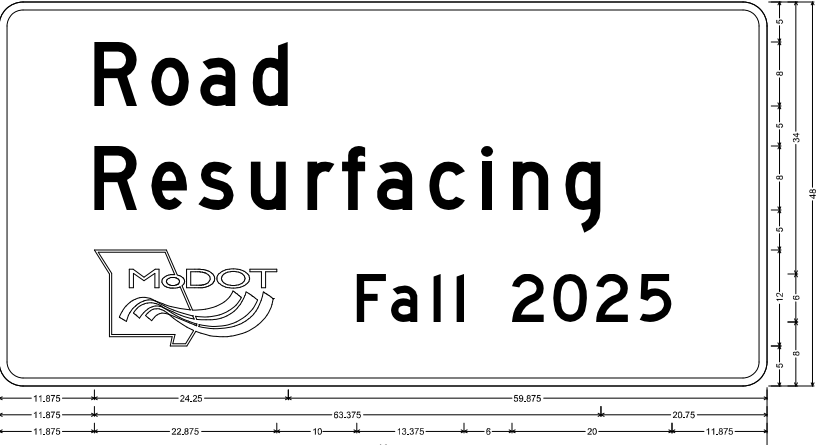
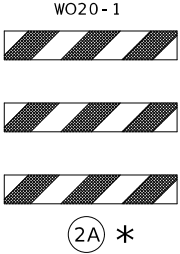
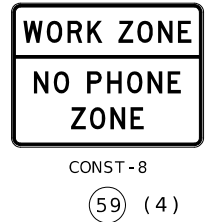
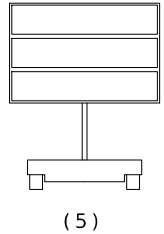
DESCRIPTION	DATE

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



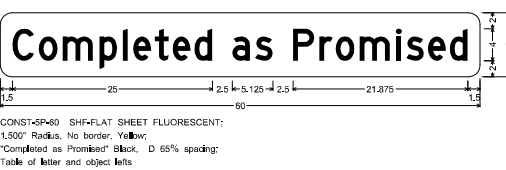
TYPICAL BEGINNING AND END OF PROJECT  
(UNDIVIDED HIGHWAY)

- (1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.
- (2) SIGN CONST-7-72 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN. IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.
- (3) CONST-5-96 SIGN IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-72.
- (4) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.
- (5) CMS PLACEMENT SHALL BE APPROVED BY THE ENGINEER.



CONST-5-96 SH-FLAT SHEET:  
 3,000' Radius, 1,000' Border, White on Blue;  
 "Road", D; "Resurfacing", D; "Fall 2025", D;  
 Table of letter and object letters

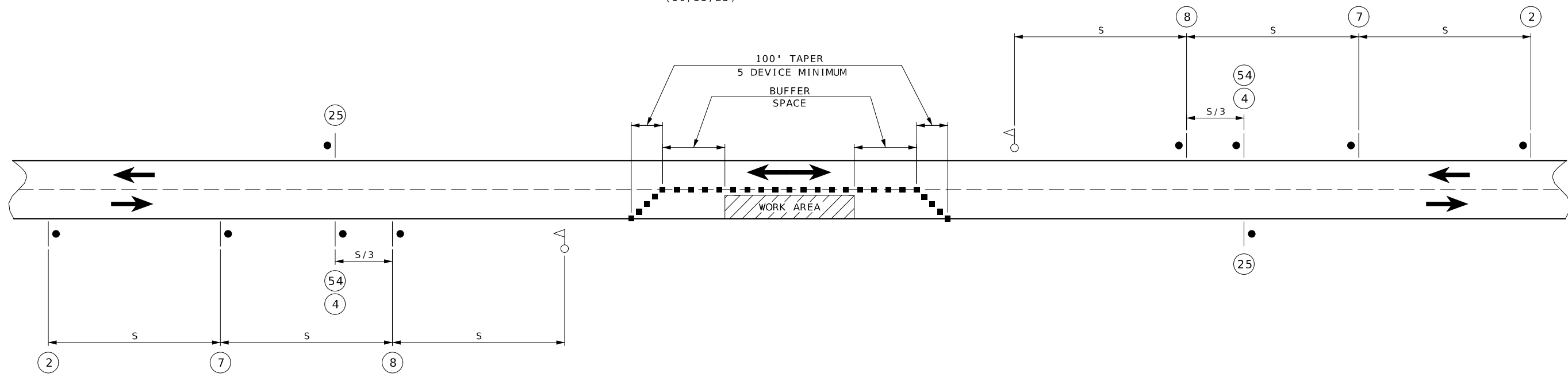
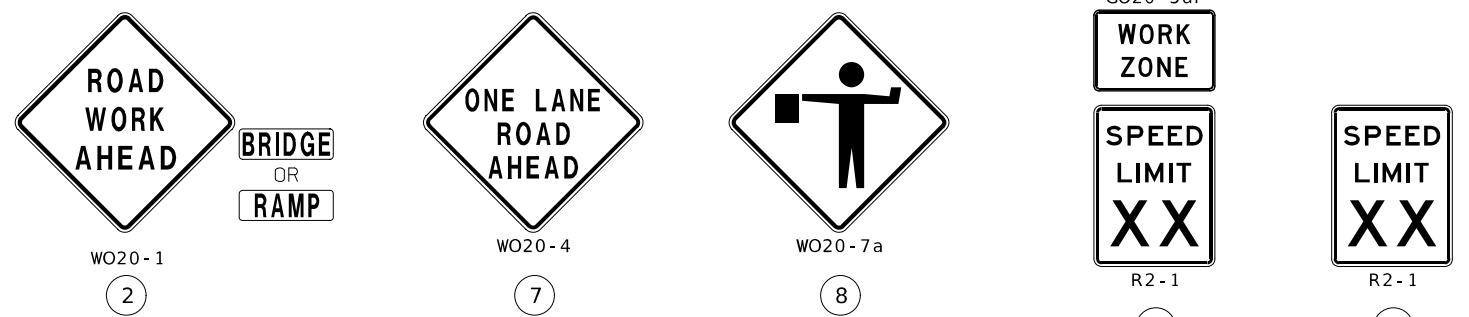
R	11.875	19.000	25.125	31.250
R	11.875	19.000	24.875	31.500
F	11.875	44.750	49.000	54.250
F	11.875	44.750	54.250	57.250
F	11.875	44.750	57.250	64.125
F	11.875	44.750	64.125	69.250
F	11.875	44.750	69.250	74.625
F	11.875	44.750	74.625	80.125



CONST-6P40 SH-FLAT SHEET FLUORESCENT:  
 1,500' Radius, No border, Yellow;  
 "Completed as Promised", Black, D 65% spacing;  
 Table of letter and object letters

C	1.500	4.875	7.875	11.375	16.625	19.375	21.500	24.250	28.000	31.875
P	36.825	39.875	41.875	44.875	48.900	50.750	53.500	56.250		

NOT TO SCALE  
 TRAFFIC CONTROL SHEET 1 OF 10



NOTES:

CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

FLAG ASSEMBLIES FOR SIGN W020-7a ARE SUBSIDIARY TO THE SIGN.

■ - CHANNELIZERS

○ - FLAGGER

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

SPEED	SIGN SPACING (FT) (1)	CHANNELIZER SPACING (FT)	OPTIONAL
PERMANENT POSTED (MPH)	UNDIVIDED HIGHWAYS (S)	BUFFER/WORK AREAS	BUFFER LENGTH (FT)
0-35	200	40	280
40-45	350	80	400
50-55	500	80	560
60-70	1000	120	840

SPACING NOTES:

(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION.

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS, AS APPROVED BY ENGINEER.

LANE CLOSURE USING FLAGGERS  
(UNDIVIDED HIGHWAY)

NOT TO SCALE

TRAFFIC CONTROL  
SHEET 2 OF 10

STATE OF MISSOURI  
SHANNON M. KELLNER  
NUMBER  
PE-2011015763  
PROFESSIONAL ENGINEER

DATE PREPARED  
6/20/2024

ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 6

COUNTY  
HENRY

JOB NO.  
JSR0029

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

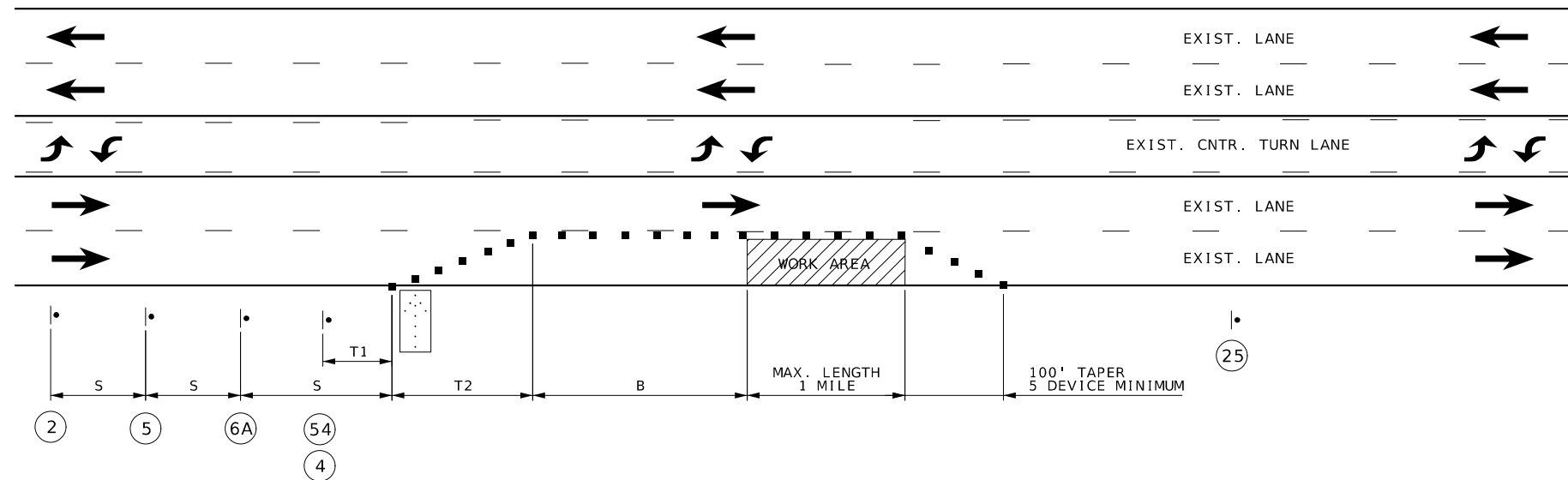
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



### OUTSIDE LANE CLOSURE



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

**NOTES:**

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.

SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.

IN TAPER SECTIONS, QUANTITY OF CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAXIMUM CHANNELIZER SPACING IN CHART.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURE, NO DIRECT PAY.

NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS, SIGNS, AND FLASHING ARROW PANEL.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING IS ONE-HALF SPACING SHOWN IN TABLE.

SPEED LIMIT SIGNS INDICATING NORMAL SPEED LIMIT SHALL BE INSTALLED AT END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.

ALL SIGNS, EXCEPT "NO PHONE ZONE", AND "POINT OF PRESENCE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS. SEE JOB SPECIAL PROVISIONS.

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

LAYOUT IS TYPICAL FOR EITHER DIRECTION.

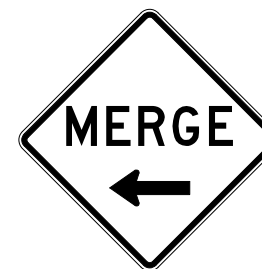
SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.



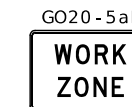
WO20-1  
2



WO20-5  
5



WO4-1aL  
6A



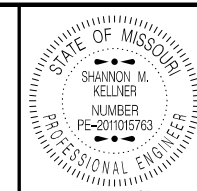
GO20-5aP  
R2-1  
54  
4



R2-1  
25  
(NORMAL SPEED)

NOT TO SCALE

TRAFFIC CONTROL SHEET 3 OF 10



DATE PREPARED  
6/26/2024

ROUTE 13 STATE MO

DISTRICT SW SHEET NO. 7

COUNTY HENRY

JOB NO. JSR0029

CONTRACT ID.

PROJECT NO.

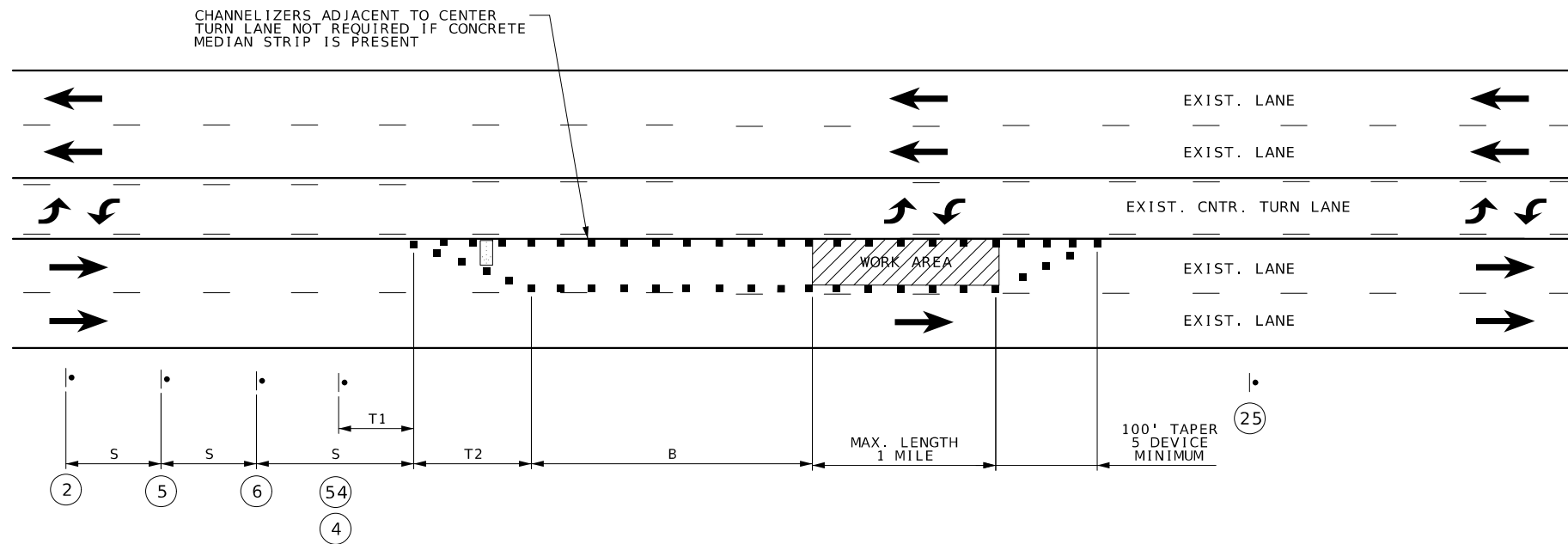
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

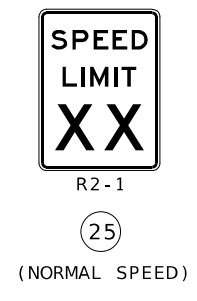
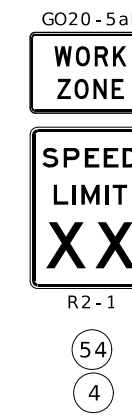
### PASSING LANE CLOSURE



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

**NOTES:**

- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.
- SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.
- IN TAPER SECTIONS, QUANTITY OF CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAXIMUM CHANNELIZER SPACING IN CHART.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURE, NO DIRECT PAY.
- NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS, SIGNS, AND FLASHING ARROW PANEL.
- FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING IS ONE-HALF SPACING SHOWN IN TABLE.
- SPEED LIMIT SIGNS INDICATING NORMAL SPEED LIMIT SHALL BE INSTALLED AT END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.
- ALL SIGNS, EXCEPT "NO PHONE ZONE", AND "POINT OF PRESENCE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS. SEE JOB SPECIAL PROVISIONS.
- WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- LAYOUT IS TYPICAL FOR EITHER DIRECTION.
- SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.



NOT TO SCALE

SHANNON M. KELLNER  
NUMBER PE-2011015763  
PROFESSIONAL ENGINEER

07/10/2024 2:51:53 PM  
SHANNON M. KELLNER - CIVIL  
MO-PE-2011015763

DATE PREPARED <b>6/26/2024</b>	
ROUTE <b>13</b>	STATE <b>MO</b>
DISTRICT <b>SW</b>	SHEET NO. <b>8</b>
COUNTY <b>HENRY</b>	
JOB NO. <b>JSR0029</b>	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DESCRIPTION	DATE

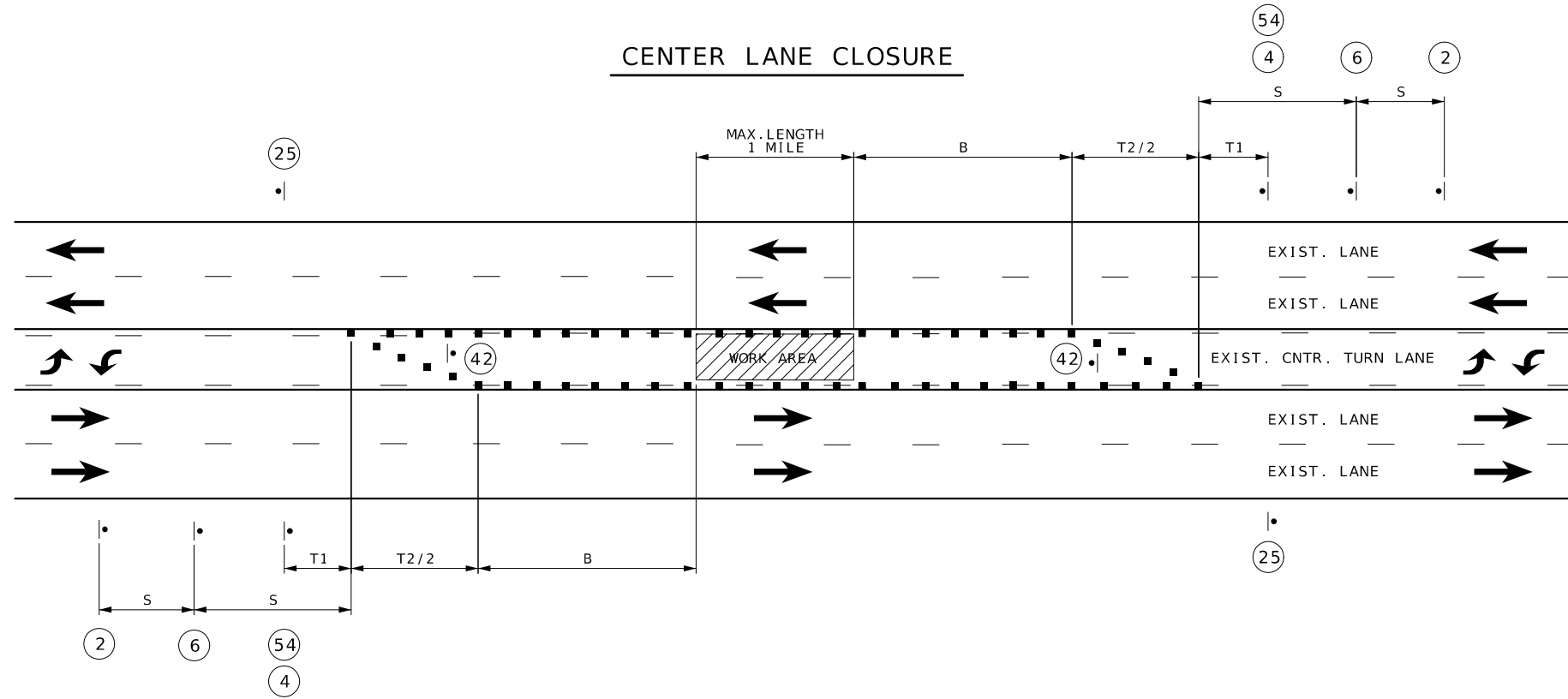
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED  
6/26/2024  
ROUTE 13 STATE MO  
DISTRICT SW SHEET NO. 9  
COUNTY HENRY  
JOB NO. JSR0029  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

### CENTER LANE CLOSURE



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

**NOTES:**

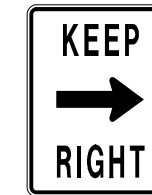
- (1) SHOULDER TAPER LENGTH BASED ON 10 FT. (STANDARD SHOULDER WIDTH) OFFSET.
- (2) LANE TAPER LENGTH BASED ON 12 FT. (STANDARD LANE WIDTH) OFFSET.
- SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.
- IN TAPER SECTIONS, QUANTITY OF CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAXIMUM CHANNELIZER SPACING IN CHART.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURE, NO DIRECT PAY.
- NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CHANNELIZERS, SIGNS, AND FLASHING ARROW PANEL.
- FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING IS ONE-HALF SPACING SHOWN IN TABLE.
- SPEED LIMIT SIGNS INDICATING NORMAL SPEED LIMIT SHALL BE INSTALLED AT END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.
- ALL SIGNS, EXCEPT "NO PHONE ZONE", AND "POINT OF PRESENCE", SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS. SEE JOB SPECIAL PROVISIONS.
- WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.



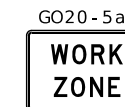
WO20-1  
(2)



WO20-6a  
(6)



R4-7a  
(42)



GO20-5aP  
R2-1  
(54)  
(4)



R2-1  
(25)  
(NORMAL SPEED)

NOT TO SCALE

DATE	DESCRIPTION

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



DATE PREPARED  
07/16/2024 1:55:05 PM  
SHANNON M. KELLNER - CIVIL  
MO-PE-2011015763

6/20/2024

ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 10

COUNTY  
HENRY

JOB NO.  
JSR0029

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)

NOTES:

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

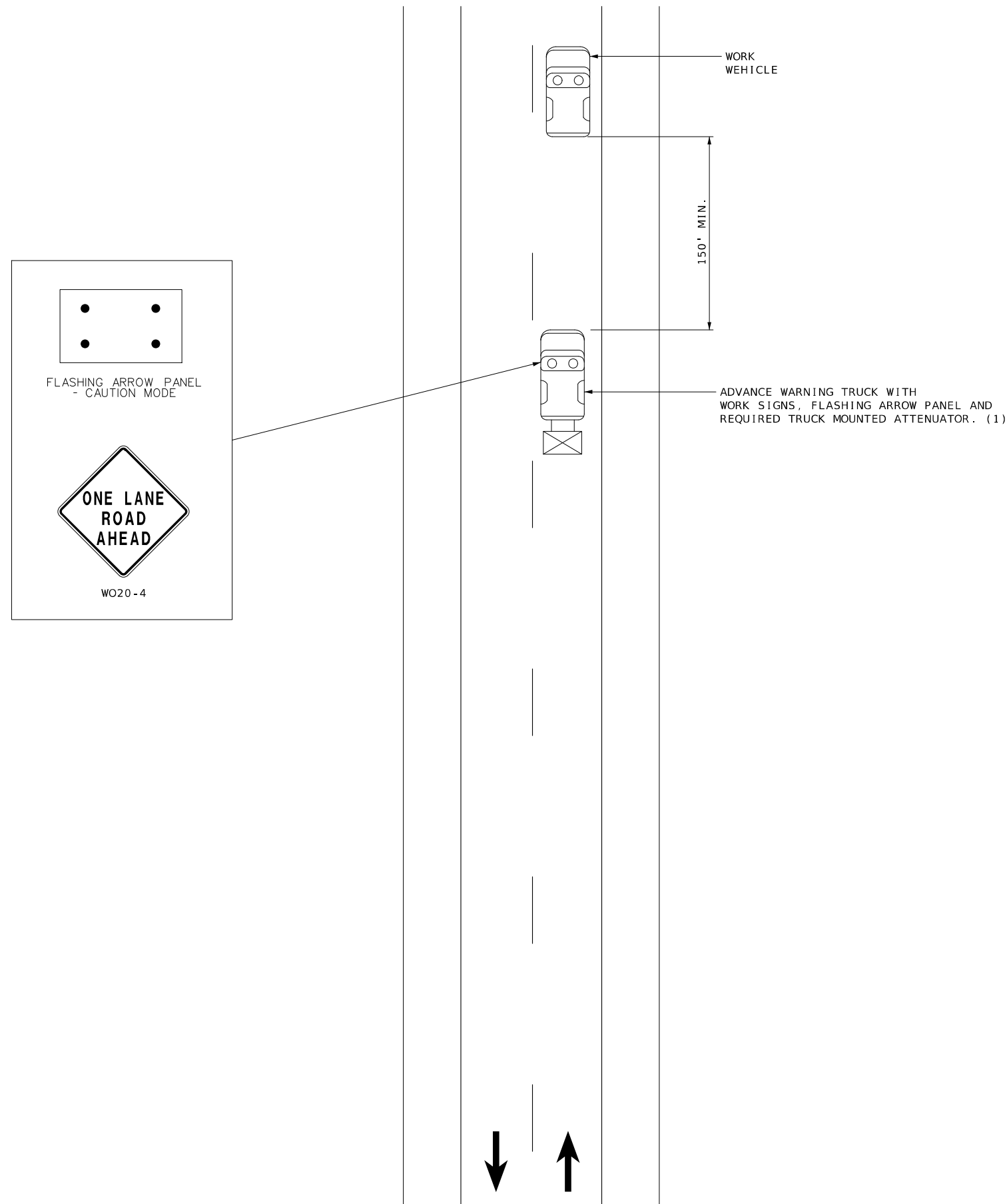
PROTECTIVE TRUCKS AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

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

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

FLASHING ARROW PANELS AND SIGNS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

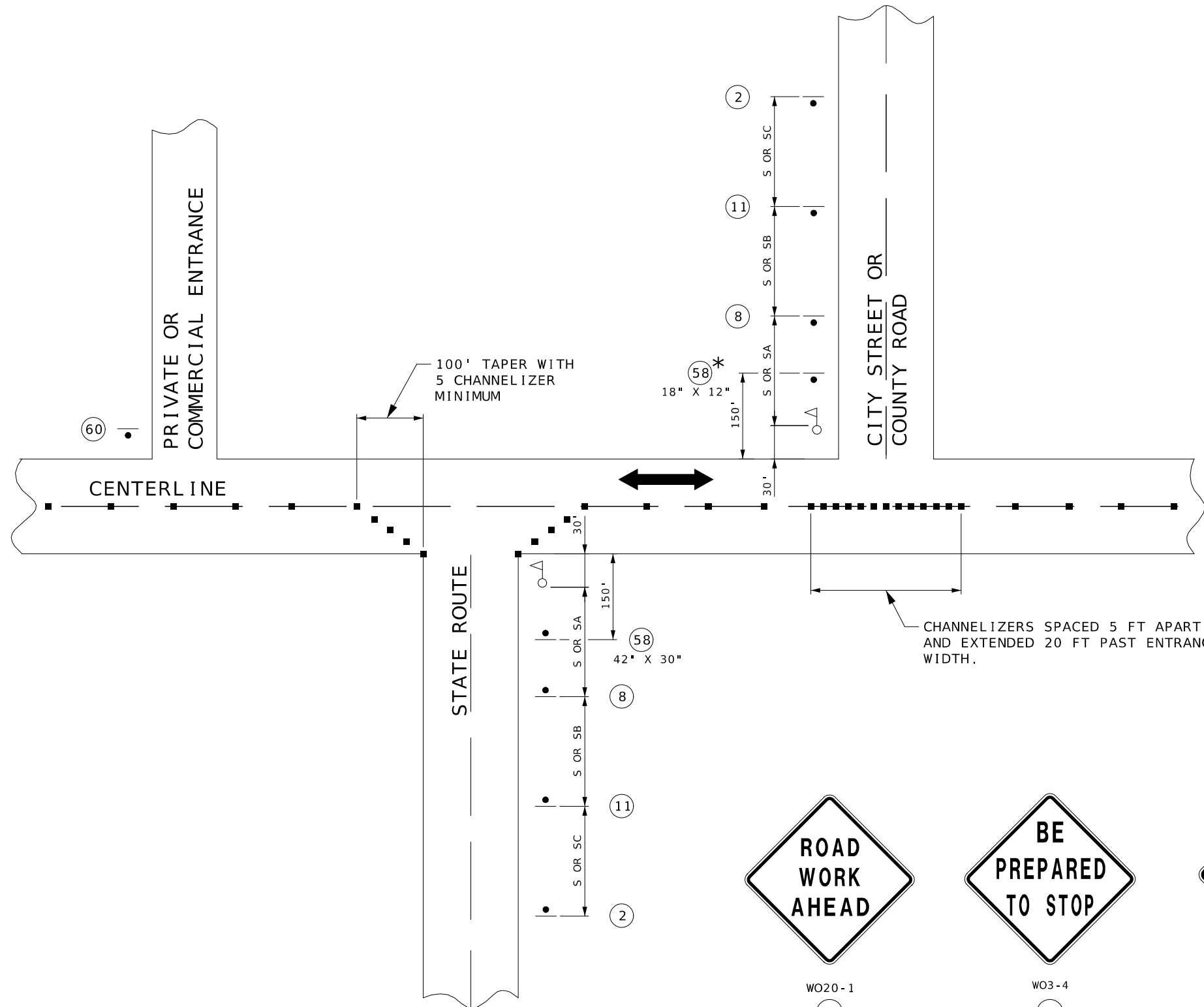
(1) ADVANCE WARNING TRUCK IS POSITIONED AT VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE OR SPACING SHOWN, WHICHEVER IS GREATER.



MOBILE ON TWO-LANE HIGHWAY

NOT TO SCALE

# SIDE ROADS ENTERING WORK ZONES



SPEED	SIGN SPACING (FT.)	
	NON-DIVIDED 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

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

NOTES:  
WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.

■ - CHANNELIZERS

△ - FLAGGER

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



58

SHALL BE USED ON ALL STATE ROUTES AND MAY BE USED ON ANY NON-STATE ROUTES, AS DETERMINED BY THE ENGINEER.

\* THE SMALLER 18" X 12" SIGN 58 IS USED ON ALL OTHER NON-STATE ROUTES (CITY STREETS, COUNTY ROADS, ETC.).



60

SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES. SEE STD PLAN 616.10



WO20-1

2



WO3-4

11



WO20-7a

8

NOT TO SCALE



DATE PREPARED  
6/20/2024

ROUTE 13 STATE MO  
DISTRICT SW SHEET NO. 11

COUNTY HENRY

JOB NO. JSR0029

CONTRACT ID.

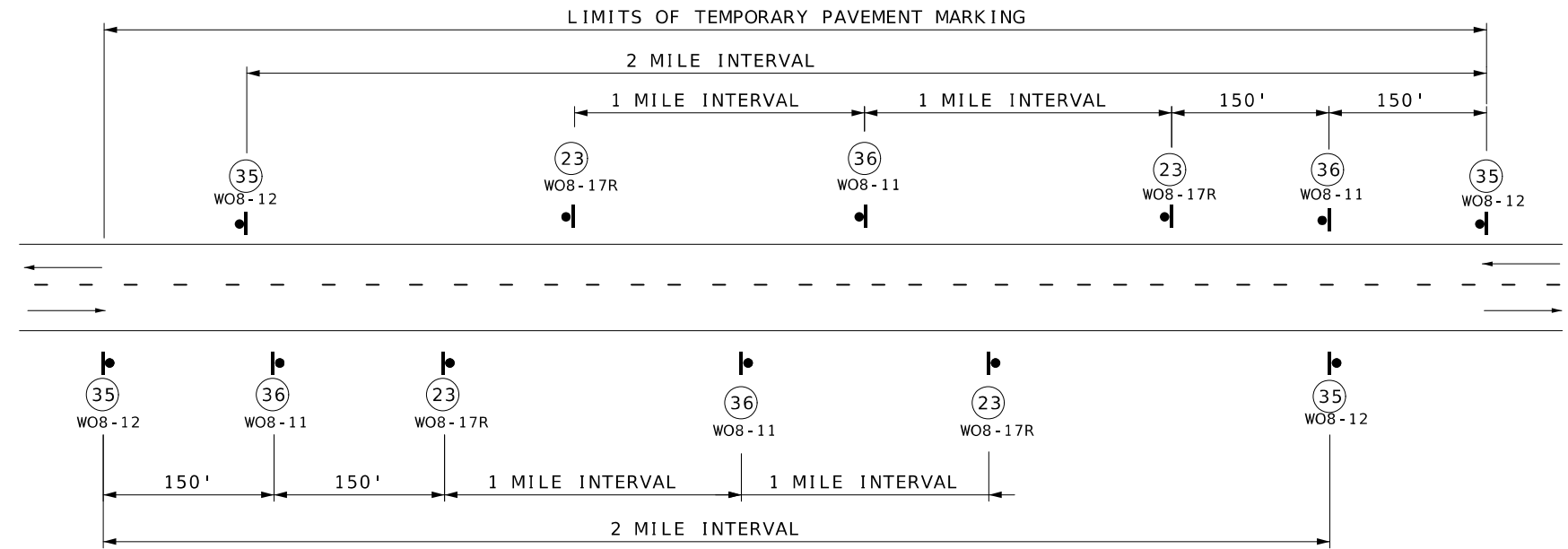
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

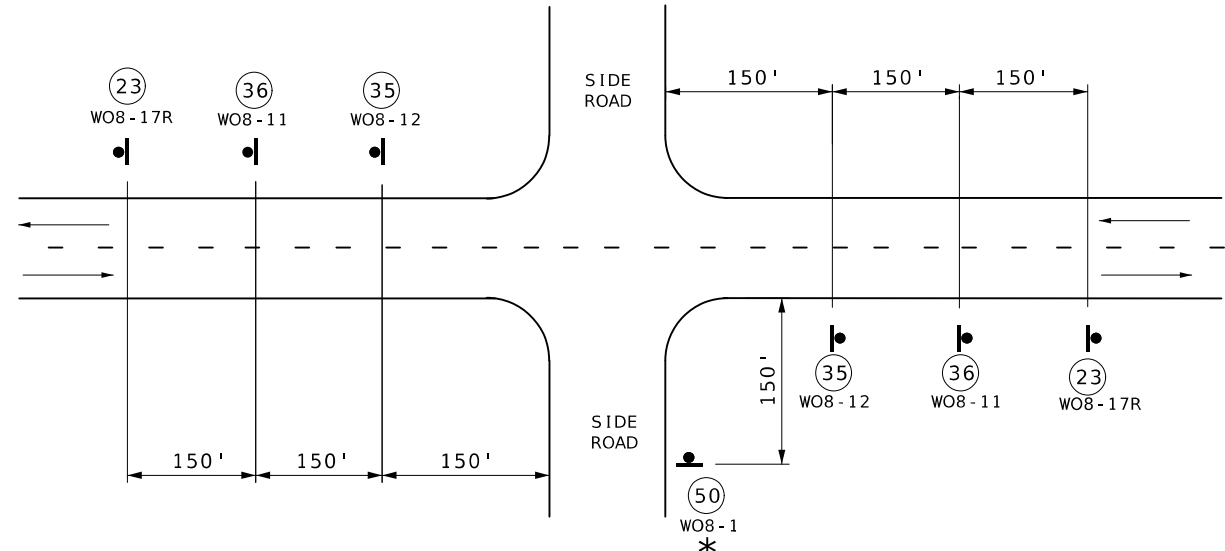
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



**SIGN SPACING FOR MAINLINE**

(DETAIL SHOWN IS BASED ON A PROJECT MEETING ALL CONDITIONS: NO CENTER STRIPE, UNEVEN LANES, SHOULDER DROP-OFF AND BUMP.)  
 WHEN BOTH UNEVEN LANES AND SHOULDER DROP-OFF SIGNS ARE USED, BOTH SIGNS SHALL STAY IN PLACE UNTIL BOTH CONDITIONS NO LONGER EXIST.  
 IF ONLY ONE CONDITION EXISTS (UNEVEN LANES OR SHOULDER DROP-OFF). THE SIGN SPACING SHALL BE AT 1 MILE INTERVALS.



**SIGN SPACING AT SIDE ROAD INTERSECTIONS**

\* BUMP SIGN SHOULD BE IN ACCORDANCE WITH STANDARD PLAN 619.10.  
 UNLESS REQUIRED BY STANDARD PLAN 619.10, BUMP SIGN AT CONTRACTOR'S EXPENSE, NO DIRECT PAY. SEE STANDARD SPECIFICATION 622.2.4.



**SHOULDER DROP-OFF**

W08-17R  
 W08-17p  
 (23)



W08-1  
 (50) \*



W08-11  
 (36)



W08-12  
 (35)

**GENERAL NOTES:**

FOR DETAILS OF TEMPORARY PAVEMENT MARKING, SEE STD. 620.10, SHEET 1 OF 5.

SIGN (35) AND TEMPORARY PAVEMENT MARKING INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS BEEN INSTALLED.

SIGN (35) IS PLACED AT APPROXIMATELY TWO-MILE INTERVALS AND AT STATE ROUTE JUNCTIONS. WHEN THE INSTALLATION AT A JUNCTION IS WITHIN ONE-EIGHTH MILE OF THE NORMAL MAINLINE SIGN (35), THE LATTER MAY BE ELIMINATED.

ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH STANDARD PLAN 616.10 AND 903.03.

WHEN SHOULDER DROP-OFF SIGNS ARE IN PLACE FOR GREATER THAN THREE DAYS, THE SHOULDER DROP-OFF PLAQUE SHOULD BE USED IN ADDITION WITH THE SHOULDER DROP-OFF SIGN.

FOR BRIDGE EXCEPTIONS AND COLDMILLED AREAS, LOCATION OF SIGN (50) TO BE APPROVED BY THE ENGINEER. UNLESS REQUIRED BY STANDARD PLAN 619.10, SIGN (50) AT CONTRACTOR'S EXPENSE, NO DIRECT PAY. SEE STANDARD SPECIFICATION 622.2.4.



SHANNON M. KELLNER  
 NUMBER  
 PE-2011015763  
 PROFESSIONAL ENGINEER  
 DATE PREPARED  
 6/20/2024

ROUTE 13  
 STATE MO  
 DISTRICT SW  
 SHEET NO. 12

COUNTY HENRY  
 JOB NO. JSR0029  
 CONTRACT ID.

PROJECT NO.  
 BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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 JEFFERSON CITY, MO 65102  
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NOT TO SCALE

TRAFFIC CONTROL  
 SHEET 8 OF 10



SHANNON M. KELLNER  
 NUMBER PE-2011015763  
 PROFESSIONAL ENGINEER

DATE PREPARED 6/20/2024

ROUTE 13 STATE MO

DISTRICT SW SHEET NO. 13

COUNTY HENRY

JOB NO. JSR0029

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)

NOTES:

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCKS AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

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

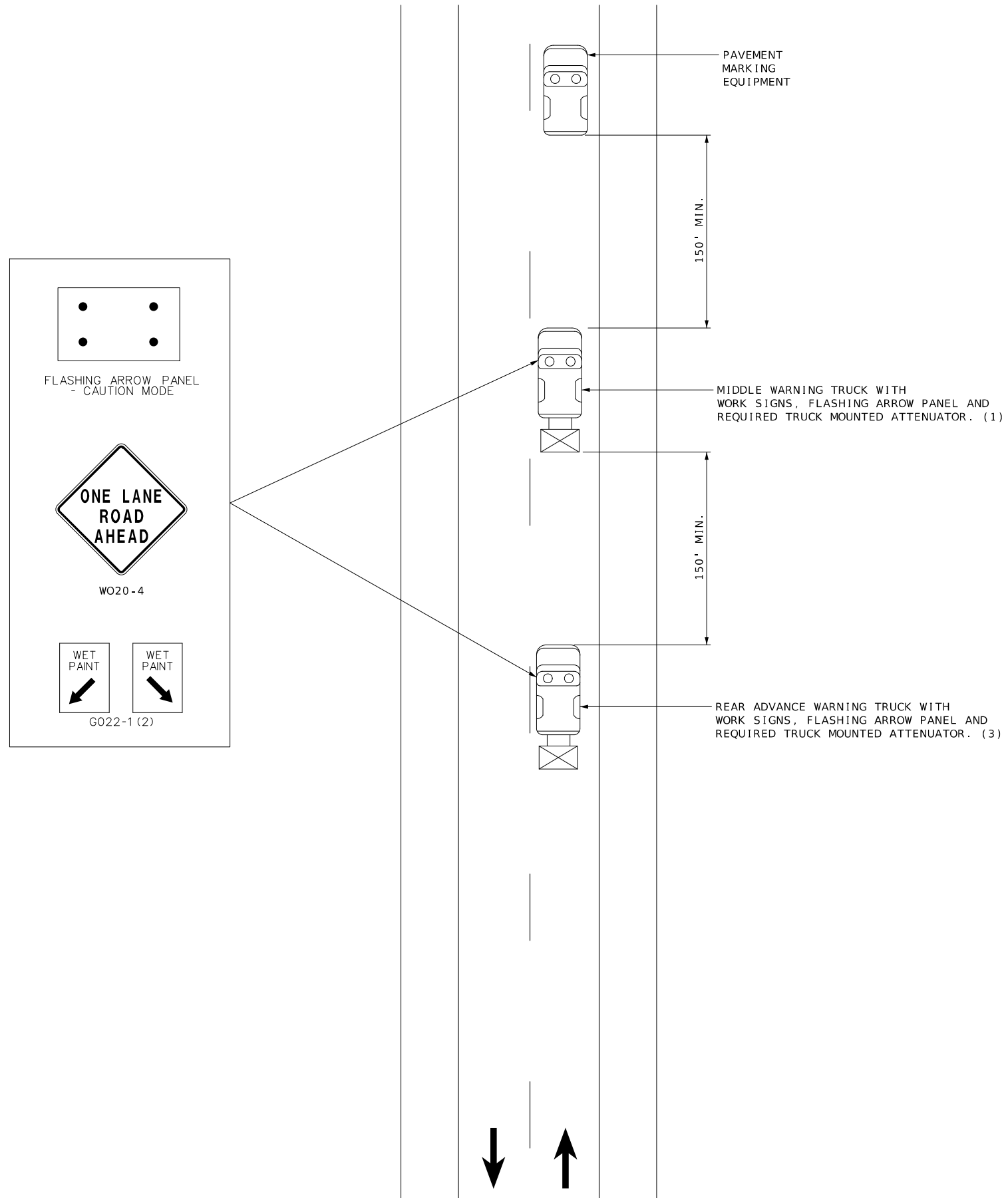
VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

FLASHING ARROW PANELS AND SIGNS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

(1) TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD ARE MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.

(2) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(3) REAR WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE, OR SPACING SHOWN, WHICHEVER IS GREATER.



NOT TO SCALE

NOTES:

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

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

FLASHING ARROW PANELS AND SIGNS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

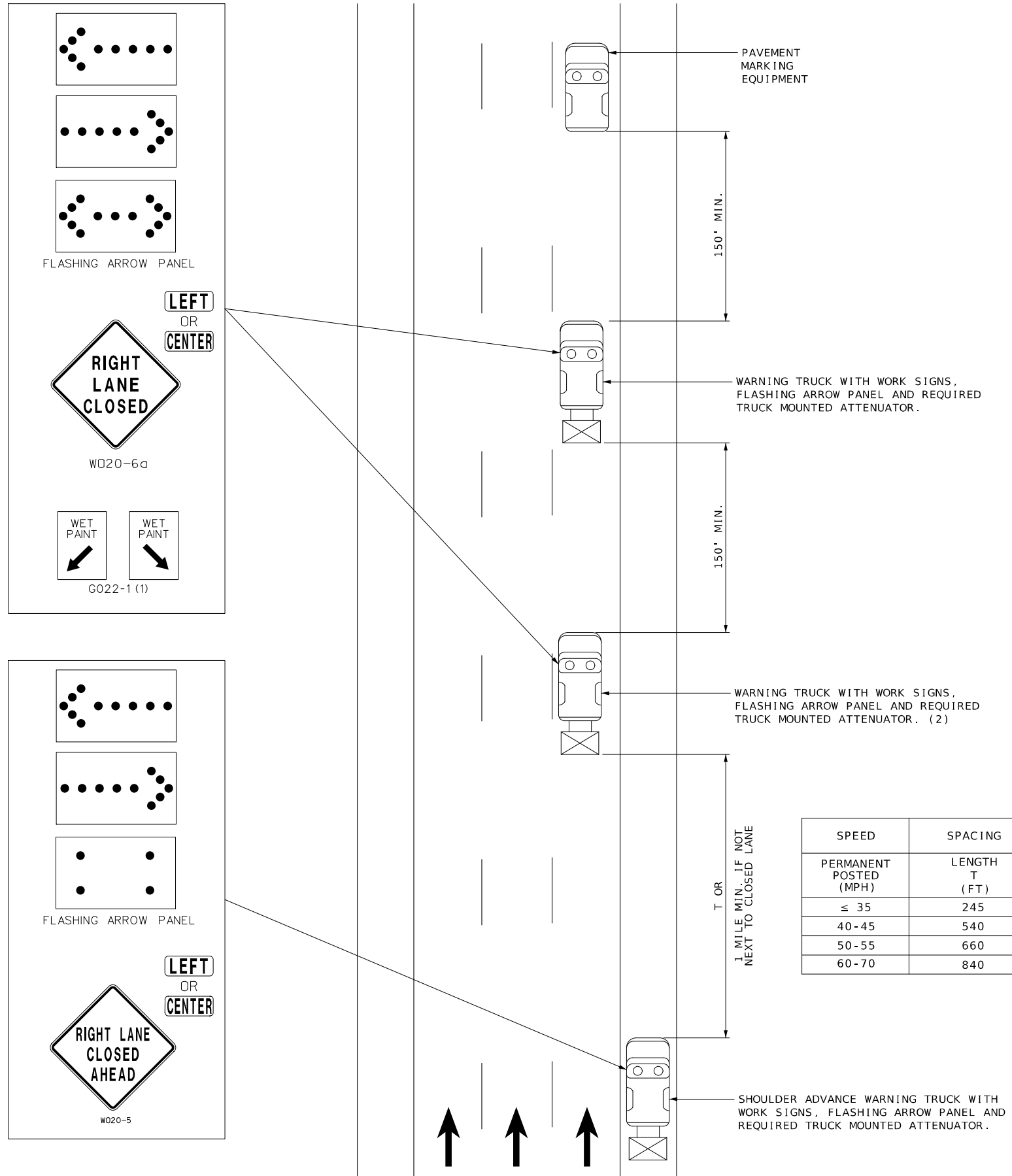
(1) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(2) WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR SPACING SHOWN, WHICH EVER IS GREATER.

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

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

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



STRIPING ON MULTI-LANE HIGHWAY

NOT TO SCALE



DATE PREPARED  
6/20/2024

ROUTE 13 STATE MO  
DISTRICT SW SHEET NO. 14

COUNTY HENRY  
JOB NO. JSR0029  
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)







STANDARD SIGN ASSEMBLIES														SIGN SUMMARY												
SIGN NUMBER	LOG MILE	LOCATION	TYPE											STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQUARE FEET									
			W2-2	SIGN DESCRIPTION, SIZES & NUMBER OF EACH													SIZE	FLAT SHEET SH <small>ITEM NO. 9035004A</small>	FLAT SHEET FLUORESCENT SHF * <small>ITEM NO. 9035069A</small>	STRUCTURAL ST <small>ITEM NO. 9035011A</small>	STRUCTURAL FLUORESCENT STF * <small>ITEM NO. 9035071A</small>					
				36X36																						
1	135.059	MO 13 RT	1											W2-2		2	36X36									
2	135.139	MO 13 LT	1																							
																	TOTAL						9			

\* ORANGE, YELLOW & YELLOW/GREEN

ROUTE **13**
STATE **MO**

DISTRICT **SW**
SHEET NO. **16**

COUNTY  
**HENRY**

JOB NO.  
**JSR0029**

CONTRACT ID.

---

PROJECT NO.

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BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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