

DESIGN DESIGNATION  
 A.A.D.T - XXXX = XXXX  
 V = XX M.P.H

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

## PLANS FOR PROPOSED STATE HIGHWAY

### INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (1 SHEET)-----	2
QUANTITIES (QU) (1 SHEET)-----	3
TRAFFIC CONTROL (TC)(4 SHEETS)-----	4-8

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED <b>3/13/2018</b>	
ROUTE	STATE <b>MO</b>
DISTRICT	SHEET NO. <b>1</b>
COUNTY	
JOB NO.	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

### LENGTH OF PROJECT

BEGINNING OF PROJECT \_\_\_\_\_

END OF PROJECT \_\_\_\_\_

APPARENT LENGTH \_\_\_\_\_ MILES

EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS \_\_\_\_\_

NET LENGTH OF PROJECT \_\_\_\_\_

STATE LENGTH \_\_\_\_\_

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DATE PREPARED  
3/13/2018

ROUTE	STATE
	MO

DISTRICT	SHEET NO.
	2

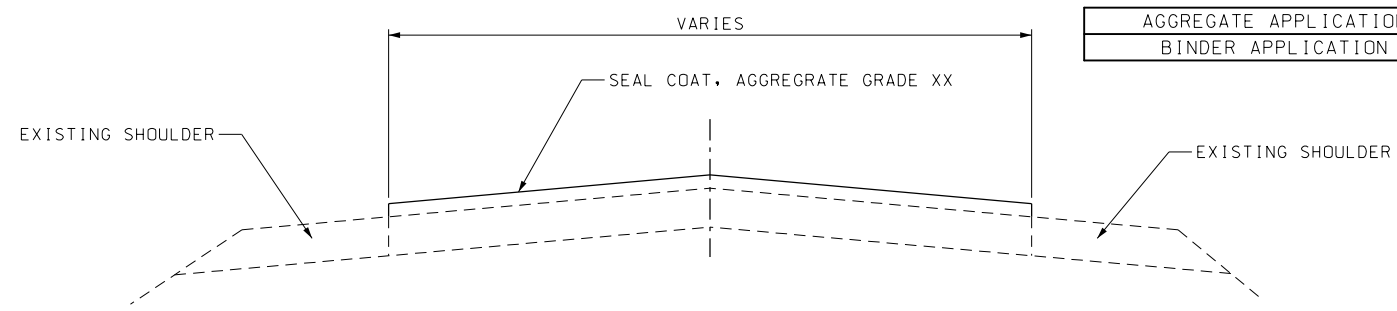
COUNTY

JOB NO.

CONTRACT ID.

PROJECT NO.

BRIDGE NO.




AGGREGATE APPLICATION RATE	XX LBS/YD <sup>2</sup>
BINDER APPLICATION RATE	XX GAL/YD <sup>2</sup>

TYPICAL SECTION

DATE	DESCRIPTION

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DATE PREPARED  
3/13/2018

ROUTE STATE  
DISTRICT SHEET NO.

MO  
3

COUNTY

JOB NO.

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)



CONSTRUCTION SIGNING						
SIGN NO.	SIGN	SIZE (in.)	AREA (ft. <sup>2</sup> )	QTY.	TOTAL AREA (ft. <sup>2</sup> )	DESCRIPTION
②**	W020-1	48 x 48	16.00	X	XX.XX	ROAD WORK AHEAD
⑦	W020-4	48 x 48	16.00	X	XX.XX	ONE LANE ROAD AHEAD
⑧	W020-7a	48 x 48	16.00	X	XX.XX	FLAGGER (SYMBOL) WITH FLAGS
①*	G020-1	60 x 24	10.00	2	20	ROAD WORK NEXT XX MILES ① 2-XX MILES
②⑥	G020-2	48 x 24	8.00	2	16	END ROAD WORK
③⑤	W08-12	48 x 48	16.00	X	XX.XX	NO CENTER LINE
⑤③	G020-4	36 x 18	4.5	X	XX.XX	PILOT CAR FOLLOW ME
⑤⑦	W08-7a	36 x 36	9.00	X	XX.XX	FRESH OIL LOOSE GRAVEL ***
⑤⑧	G020-4a	42 x 30	8.75	X	XX.XX	PLEASE WAIT FOR PILOT CAR
①①	W03-4	48 x 48	16.00	X	XX.XX	BE PREPARED TO STOP
⑤⑨	CONST-8	48 x 36	12.00	2	24	WORK ZONE NO PHONE ZONE
⑤⑥	CONST-7	48 x 24	8.00	2	16	RATE OUR WORK ZONE
	G022-1	21 x 15	2.19	X	XX.XX	WET PAINT (ARROW PIVOTS)
616-10.05 CONSTRUCTION SIGNS TOTAL					XXX.XX	

STANDARD WATERBORNE MARKING PAINT 4" YELLOW			
LOG MILE	LOG MILE	QUANTITY EACH	REMARKS
TOTAL			

NOTE: TEMPORARY AND PERMANENT PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH 620.10.

STANDARD WATERBORNE MARKING PAINT 4" WHITE			
LOG MILE	LOG MILE	QUANTITY EACH	REMARKS
TOTAL			

NOTE: TEMPORARY AND PERMANENT PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH 620.10.

\* IF LESS THAN TWO (2) MILES, DELETE SIGN NO. 1.  
 \*\* ADDITIONAL SIGN NO. 2 USED AS SHOWN ON TRAFFIC CONTROL SHEET 4 OF 5 AND AS DIRECTED BY ENGINEER.

\*\*\* FRESH OIL/LOOSE GRAVEL SIGN SHALL BE PLACED AT THE START OF THE PROJECT. SIGNS SHOULD ALSO BE INSTALLED WITHIN 150 FT. AFTER THE INTERSECTION OF A STATE ROUTE. ADDITION SIGNS MAY BE INSTALLED WITHIN 150 FT. AFTER OTHER INTERSECTIONS, AS DIRECTED BY ENGINEER.

NOTE:  
 REFER TO STANDARD PLAN 616.10 AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

SEAL COAT QUANTITIES						
LOG MILE	LOG MILE	NET LENGTH MILES	AVERAGE WIDTH FEET	SEAL COAT, AGGREGATE GRADE - SY	EMULSIFIED ASPHALT SEAL COAT GAL	REMARKS
TOTALS						

FLAG ASSEMBLIES		
	QUANTITY EACH	REMARKS
TOTAL		

ITEM NO.	QTY.	DESCRIPTION
616-10.25	10	CHANNELIZERS (TRIM-LINE)
612-30.00A	X	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)

MOBILIZATION
1 LUMP SUM

SUMMARY OF QUANTITIES  
SHEET 1 OF 1

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED  
3/13/2018

ROUTE STATE  
DISTRICT SHEET NO.  
MO 4

COUNTY

JOB NO.

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

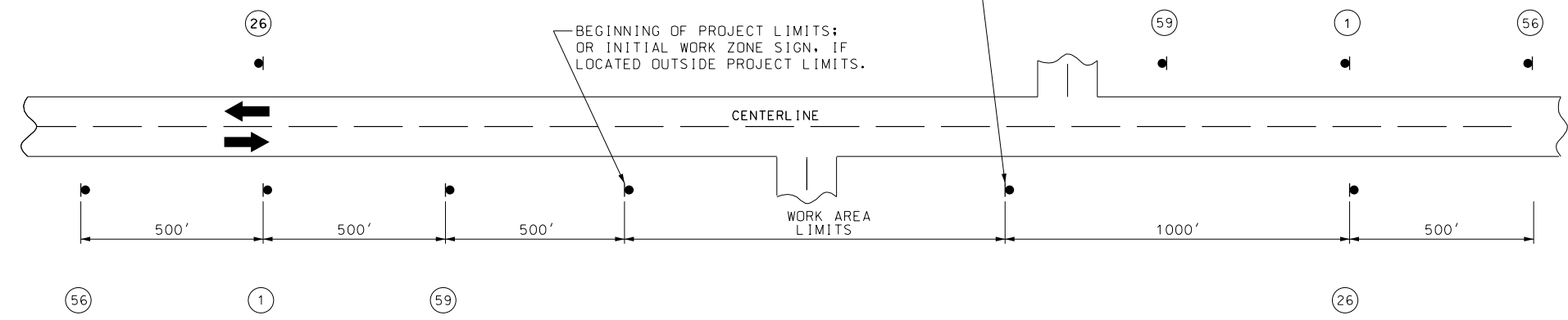
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

END OF PROJECT LIMITS; END OF WORK ZONE TERMINATION AREA, IF LOCATED BEYOND END OF PROJECT; OR LAST WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.

BEGINNING OF PROJECT LIMITS; OR INITIAL WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.

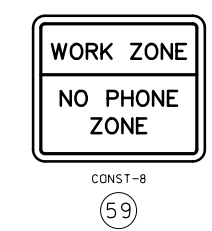
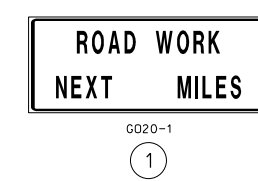
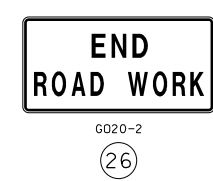
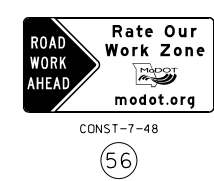


NOTES:

SIGN 1 AND 26 ARE ONLY USED ON PROJECT LENGTHS 2 MILES OR GREATER.

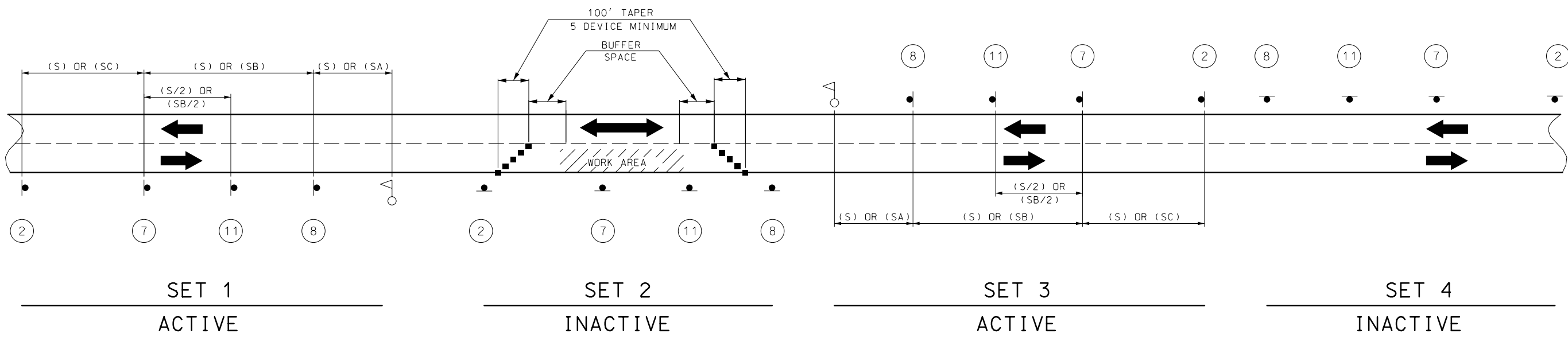
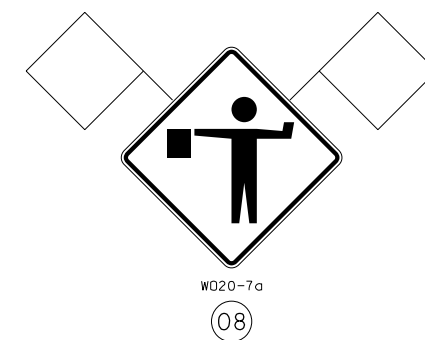
PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.





SIGN 53, "PILOT CAR FOLLOW ME" SHALL BE IN CONTRACTOR'S RESPONSIBILITY WHEN IN USE DURING OPERATION.



SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC).

SIGN SETS 2 AND 4 ARE INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED BETWEEN SIGN SETS 1 AND 3.

WHEN SIGN SETS 2 AND 4 ARE ACTIVE, SIGN SETS 1 AND 3 BECOME INACTIVE AND ARE ADVANCED TO BECOME SETS 2 AND 4 WITH SIGN LEGENDS TURNED AWAY FROM BOTH DIRECTIONS OF TRAFFIC. WHEN THE RESURFACING OPERATION ADVANCES TO BETWEEN SIGN SETS 2 AND 4, SIGN SETS 2 AND 4 BECOME ACTIVE (I.E., NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E., NEW SIGN SETS 2 AND 4).

- - CHANNELIZERS
- - FLAGGER

NOTES:  
 DAYLIGHT FLAGGING OPERATIONS ONLY.  
 FLAG ASSEMBLIES FOR SIGNS WILL BE PAID FOR AS EACH PER SIGN, EXCEPT FOR SIGN W020-7a WHICH IS SUBSIDIARY TO THE SIGN.

SPEED	SIGN SPACING (FT.) (1)	
	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

PERMANENT POSTED SPEED LIMIT (MPH)	BUFFER SPACE LENGTH (FT)
0 - 35	280
40 - 45	400
50 - 55	560
60 - 70	840

- 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.
  - (2) SIGN MANDATORY WHEN TEMPORARY ROAD CLOSURE IS NEEDED. FOR TEMPORARY ROAD CLOSURE BOTH DIRECTIONS MAY BE STOPPED AT THE SAME TIME UP TO A MAXIMUM OF 20 MINUTES.

TRAFFIC CONTROL FOR  
 SEAL COAT AGGREGATE  
 APPLICATION  
 SHEET 2 OF 5

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."  
 DATE PREPARED: 3/13/2018  
 ROUTE: STATE MO  
 DISTRICT: SHEET NO. 5  
 COUNTY:  
 JOB NO.:  
 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)  
 MODOT  
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DATE PREPARED  
3/13/2018

ROUTE STATE  
DISTRICT SHEET NO.  
6

COUNTY

JOB NO.

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

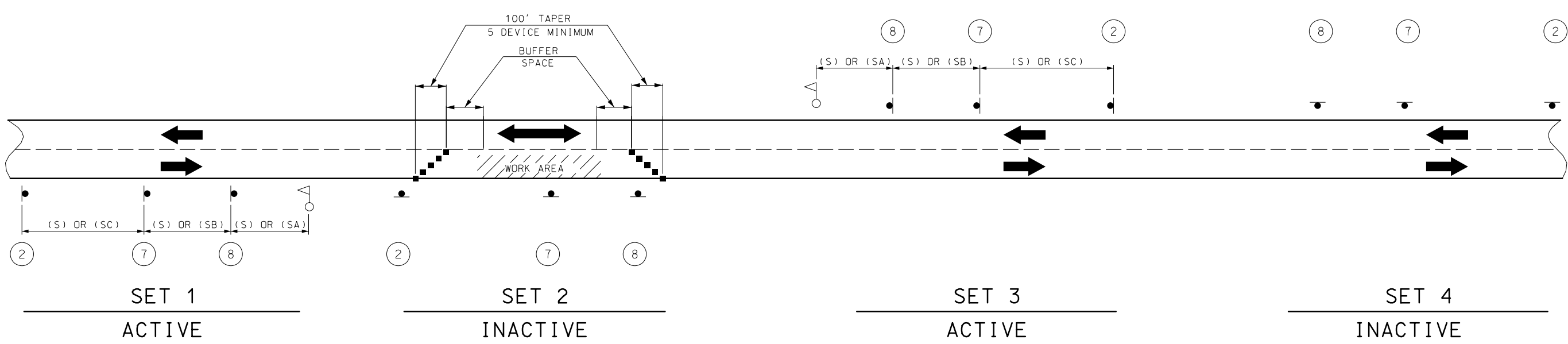
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

**MoDOT**

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

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SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC).

SIGN SETS 2 AND 4 ARE INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED BETWEEN SIGN SETS 1 AND 3.

WHEN SIGN SETS 2 AND 4 ARE ACTIVE, SIGN SETS 1 AND 3 BECOME INACTIVE AND ARE ADVANCED TO BECOME SETS 2 AND 4 WITH SIGN LEGENDS TURNED AWAY FROM BOTH DIRECTIONS OF TRAFFIC. WHEN THE RESURFACING OPERATION ADVANCES TO BETWEEN SIGN SETS 2 AND 4, SIGN SETS 2 AND 4 BECOME ACTIVE (I.E., NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E., NEW SIGN SETS 2 AND 4).

- - CHANNELIZERS
- △ - FLAGGER

NOTES:  
DAYLIGHT FLAGGING OPERATIONS ONLY.  
FLAG ASSEMBLIES FOR SIGNS WILL BE PAID FOR AS EACH PER SIGN, EXCEPT FOR SIGN W020-7a WHICH IS SUBSIDIARY TO THE SIGN.

SPEED	SIGN SPACING (FT.) (1)	
	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

PERMANENT POSTED SPEED LIMIT (MPH)	BUFFER SPACE LENGTH (FT)
0 - 35	280
40 - 45	400
50 - 55	560
60 - 70	840


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.

TRAFFIC CONTROL FOR  
ADDITIONAL SWEEPING  
OPERATIONS  
SHEET 3 OF 5

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED  
3/13/2018  
ROUTE STATE  
MO  
DISTRICT SHEET NO.  
7  
COUNTY  
JOB NO.  
CONTRACT ID.  
PROJECT NO.  
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
  
 105 WEST CAPITOL  
 JEFFERSON CITY, MO 65102  
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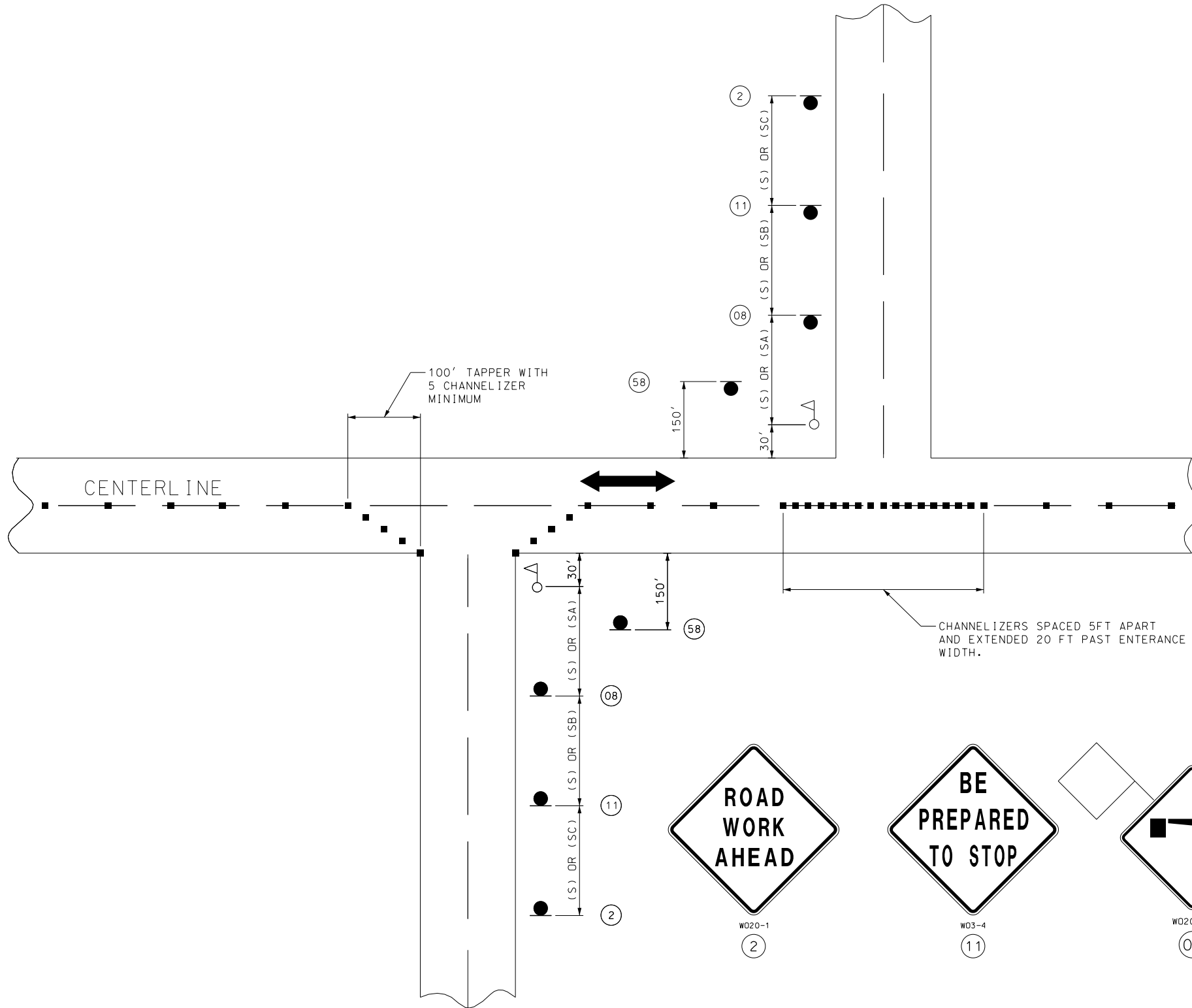
REV.

SPEED PERMANENT POSTED (MPH)	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 (AS SPECIFIED)
- △ - FLAGGER



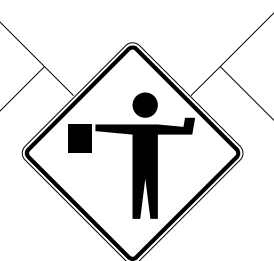
SIDE ROADS ENTERING WORK ZONES



2



11



8



58

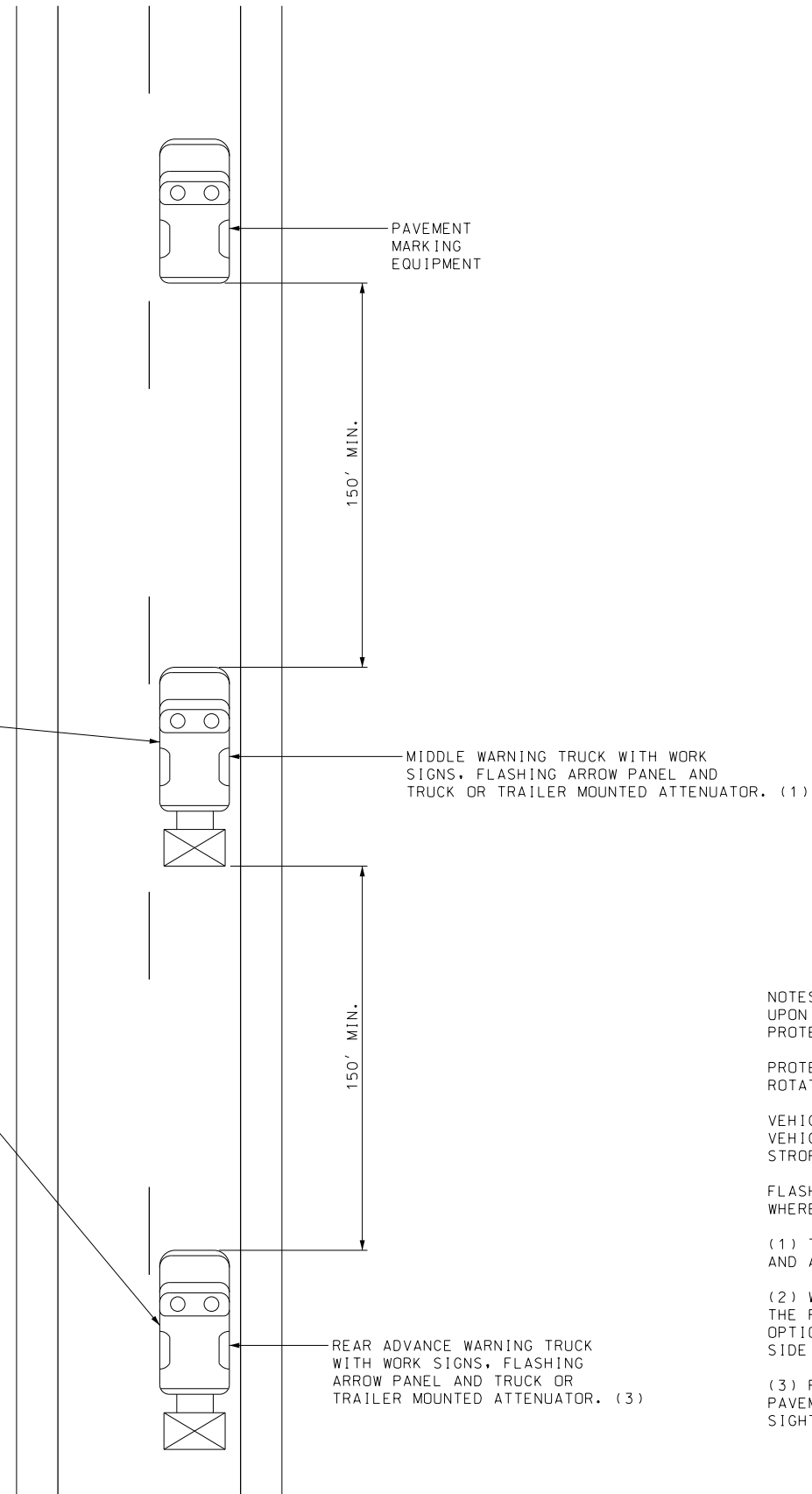
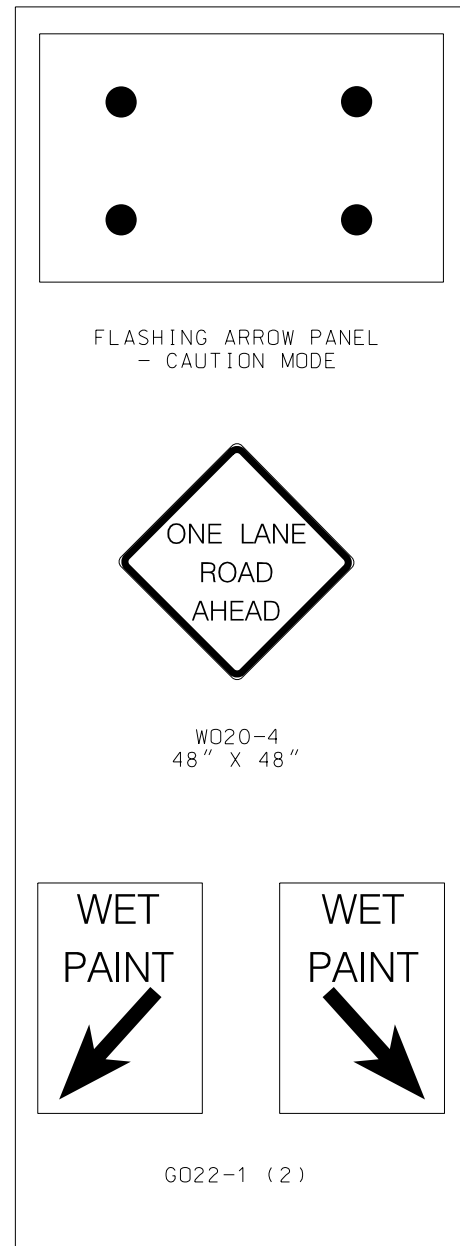


60

SIGN 58, SHALL BE PLACED AT ALL SIDE ROADS WHEN IN USE DURING OPERATION.

SIGN 60, TO BE USED IN PRIVATE DRIVEWAYS TO ENHANCE WORK ZONE SIGNING. SEE SPECIAL PROVISIONS.

TRAFFIC CONTROL SHEET 4 OF 5



NOTES:  
UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCK 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 SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT SHALL BE MADE.

(1) TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS 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 ADVANCE 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.

CENTERLINE/EDGE LINE STRIPING ON TWO-LANE HIGHWAYS

TRAFFIC CONTROL  
SHEET 5 OF 5

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DATE PREPARED  
3/13/2018

ROUTE STATE  
MO

DISTRICT SHEET NO.  
8

COUNTY

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