DESIGN DESIGNATION

V = XX M.P.H

A.A.D.T - XXXX = XXXX

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION PLANS FOR PROPOSED

STATE HIGHWAY

INDEX OF SHEETS

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DATE PREPARED 5/25/2021 CONTRACT ID. BRIDGE NO.

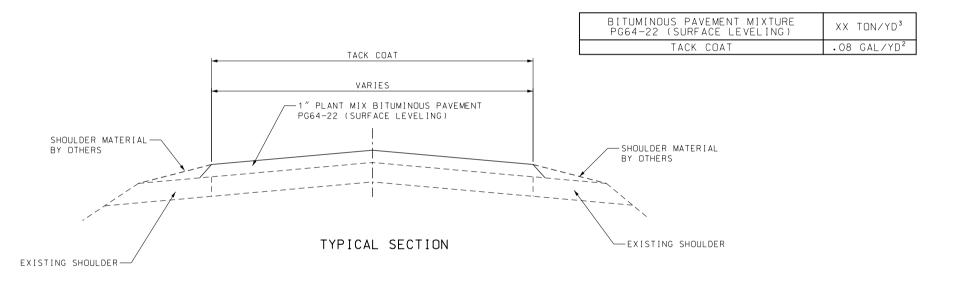
LENGTH OF PROJECT

BEGINNING OF PROJECT END OF PROJECT

APPARENT LENGTH

EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS NET LENGTH OF PROJECT STATE LENGTH



NOTE: SURFACE PLACEMENT SHALL BE ONE PASS PER LANE NO S.E. CORRECTION. DATE PREPARED 5/25/2021 STATE MO SHEET NO. JOB NO. CONTRACT ID. PROJECT NO. BRIDGE NO.

TYPICAL SECTION SHEET 1 OF 1

				BITUMIN	IOUS PAVEMEN	T MIXTURE PG	64-22 SURFACE LEVELING
LOG	MILE	LOG MILE	NET	AVERAGE	QUANTITY	TACK	REMARKS
			LENGTH	WIDTH			
			MILES	FEET	TONS(1)	GALLONS	
				TOTALS			

(1) SEE SHEET 2, FOR APPLICATION RATE

BITUM	INOUS P	AVEMENT	MIXTURE PG6	4-22 SURFACE	LEVELING (INTERSECTIONS/ENTRANCES)
LOG MILE	NET	AVERAGE	QUANTITY	TACK	REMARKS
	LENGTH	WIDTH			
	MILES	FEET	TONS(1)	GALLONS	
		TOTALS			
		LIUIALS			

MODIF	IED	COL	D MILLI	NG	(DEPTH	TRANSITION)
LOG MILE	LOG	MILE	QUANTITY		R	EMARKS
			SQ.YD.			
STATE F	L OUT	E EN	│ TRANCES	5		
	T.O.	T A I				
	l IU	TAL				

STAND	ARD WATE	RBORNE	MARKING PAINT	4 "	YELLOW
LOG MILE	LOG MILE	QUANTITY	REMARKS		
		EACH			
	TOTAL				

S	TAND	ARD	WATE	ERBORNE	MARK ING	PAINT 4	" WHITE
LOG	MILE	LOG	MILE	QUANTITY	RE	EMARKS	
				EACH			
		ΤN	ΤΔΙ				
NOTE: TEMPORARY AND PERMANENT PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH 620.10.							

SIGN NO.	SIGN	SIZE (in.)	AREA	QTY.	TOTAL AREA (ft.²)	DESCRIPTION	
2)**	WO20-1	48 × 48	16.00	Х	XX.XX	ROAD WORK AHEAD	
7	WO20-4	48 × 48	16.00	Х	xx.xx	ONE LANE ROAD AHEAD	
8	W020-7a	48 × 48	16.00	Х	xx.xx	FLAGGER (SYMBOL) WITH FLAGS	
1)*	GO20-1	60 × 24	10.00	2	20	ROAD WORK NEXT XX MILES ① 2-XX MILES	
26	G020-2	48 × 24	8.00	2	16	END ROAD WORK	
35)	WO8-12	48 × 48	16.00	Х	xx.xx	NO CENTER LINE	
36)	WO8-11	48 × 48	16.00	Х	xx.xx	UNEVEN LANES	
(53)	G020-4	36 × 18	4.5	Х	XX.XX	PILOT CAR FOLLOW ME	
(58)	G020-4a	42 × 30	8.75	Х	xx.xx	PILOT CAR IN USE WAIT & FOLLOW	
(58)	G020-4a	18 × 12	1.50	Х	xx.xx	PILOT CAR IN USE WAIT & FOLLOW	
(11)	WO3-4	48 × 48	16.00	Х	xx.xx	BE PREPARED TO STOP	Ī
59	CONST-8	48 × 36	12.00	2	24	WORK ZONE NO PHONE ZONE	
56	CONST-7	48 × 24	8.00	2	16	RATE OUR WORK ZONE	7
	G022-1	21 X 15	2.19	Х	xx.xx	WET PAINT (ARROW PIVOTS)	*
616-10 CONSTRI	.05 UCTION SIGN	NS TOTAL			xxx.xx		•

CONSTRUCTION SIGNING

* IF LESS THAN TWO (2) MILES, DELETE SIGN NO. 1.

** ADDITIONAL SIGN NO. 2 USED AS SHOWN ON TRAFFIC CONTROL SHEET 3 OF 5 AND AS DIRECTED BY ENGINEER.

NOTE:

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

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

MOBILIZATION
1 LUMP SUM

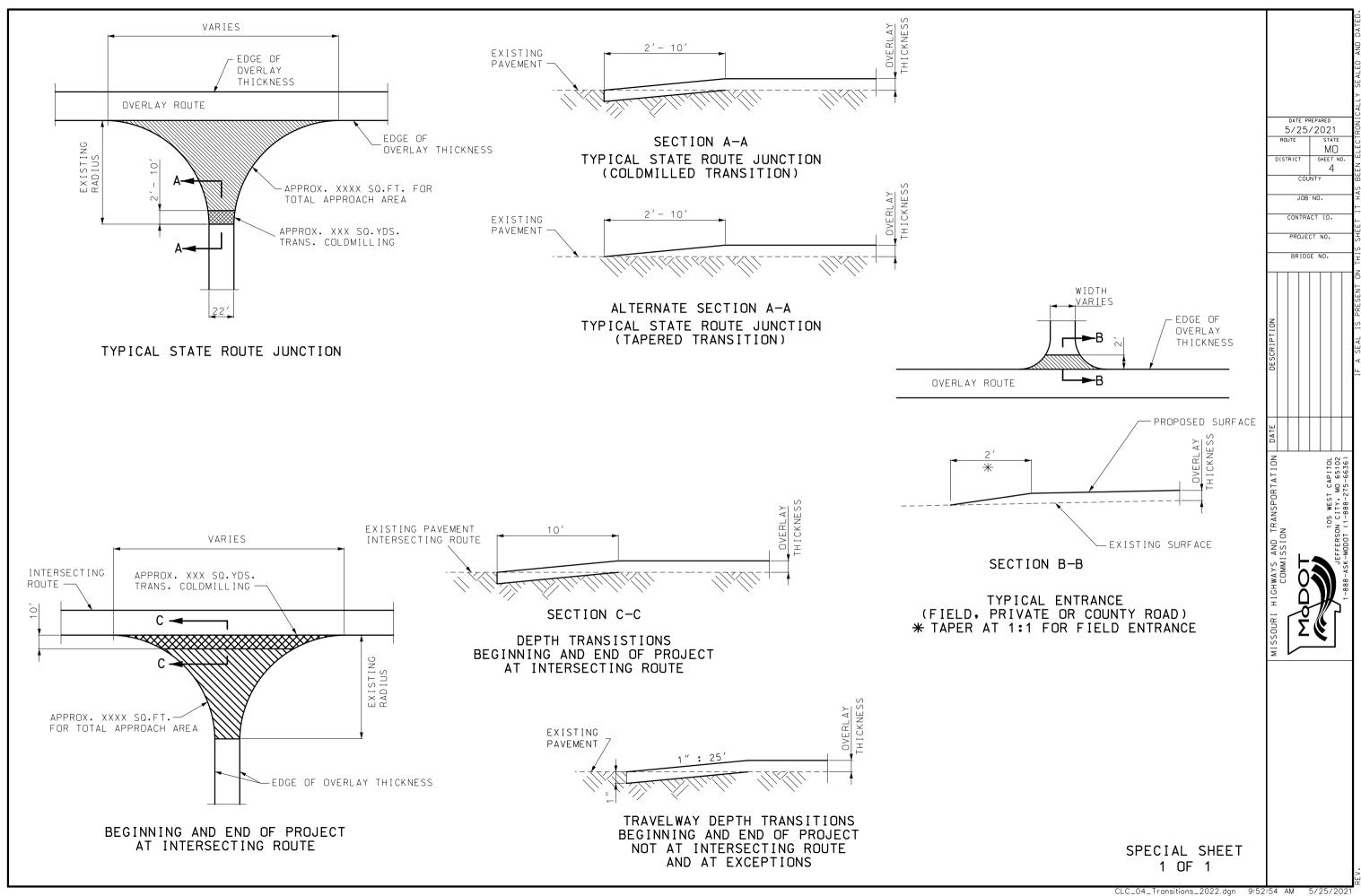
SUMMARY OF QUANTITIES

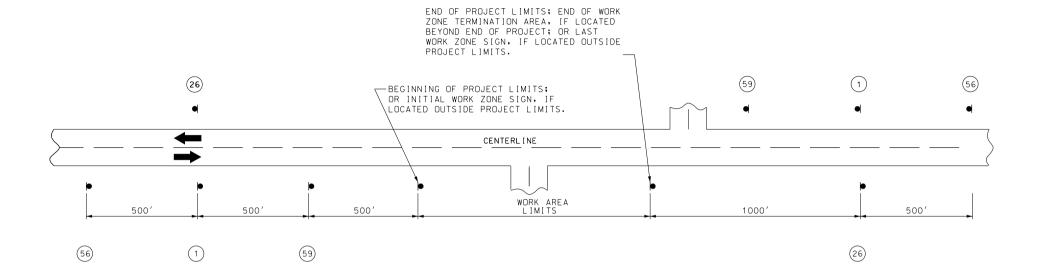
SHEET 1 OF 1

DATE PREPARED 5/25/2021

JOB NO. CONTRACT ID.

BRIDGE NO.





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.



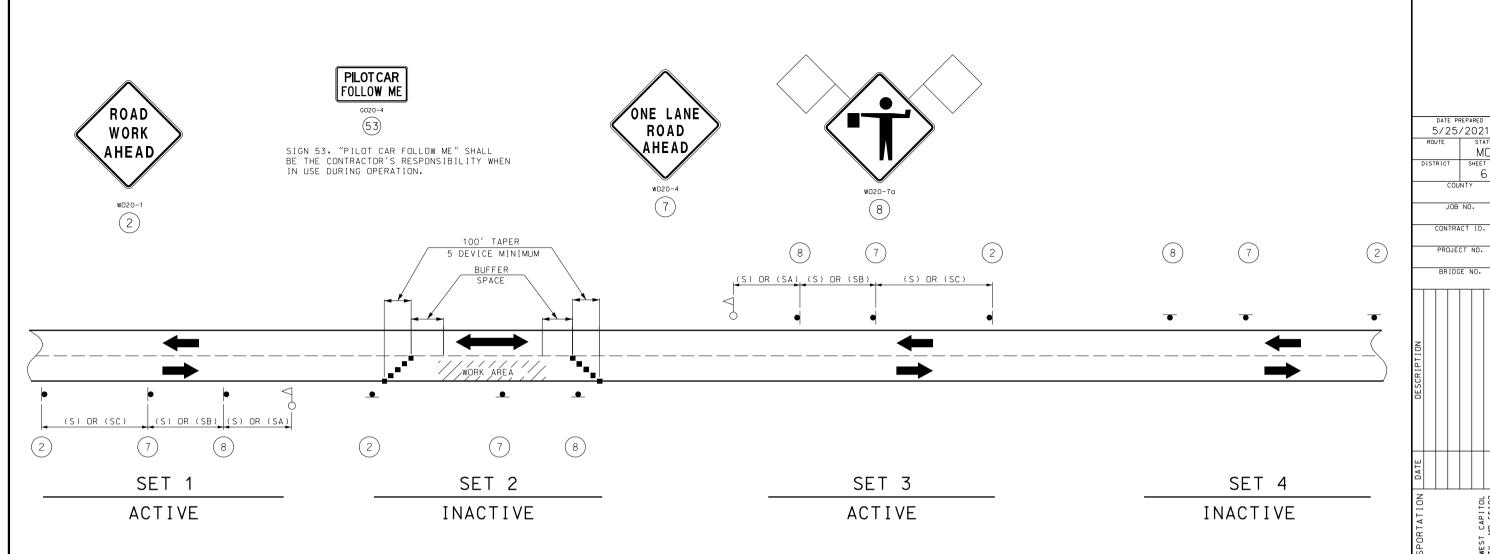






5/25/2021 MO SHEET NO. JOB NO. CONTRACT ID. BRIDGE NO.

TRAFFIC CONTROL SHEET 1 OF 5



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

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

NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

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.

SPEED	SIGN SPAC	
PERMANENT POSTED (MPH)	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

NOTES:

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

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

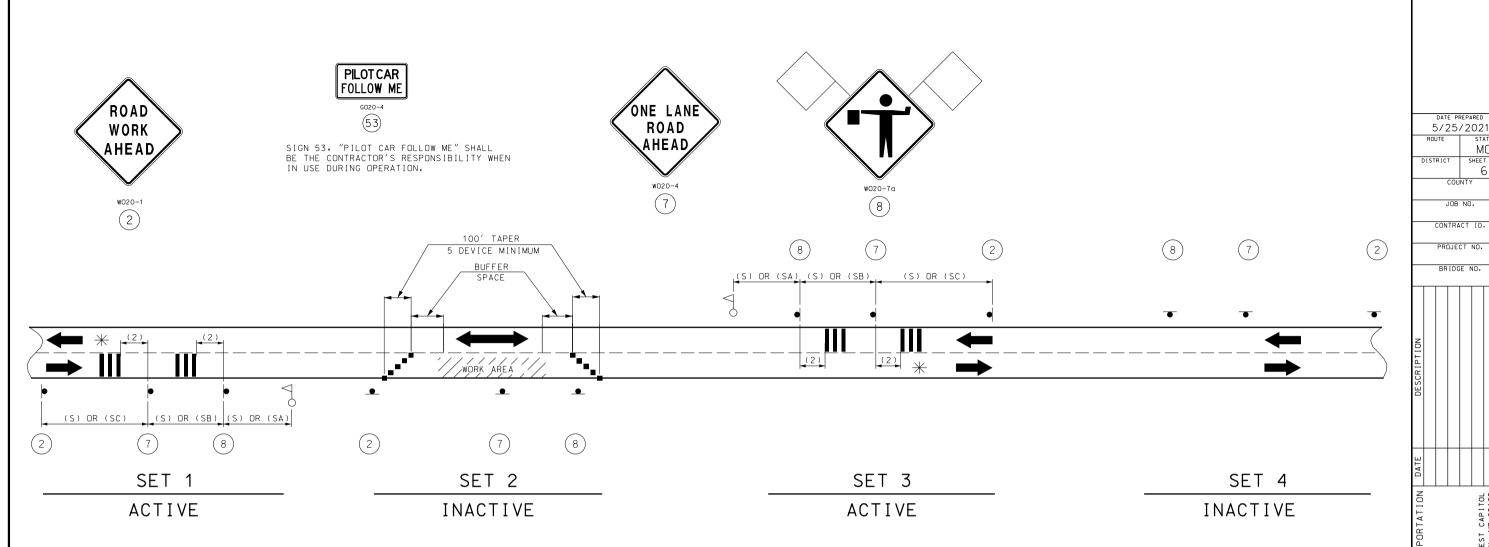
PERMANENT POSTED	BUFFER SPACE
SPEED LIMIT	LENGTH
(MPH)	(FT)
0 - 35	280
40 - 45	400
50 - 55	560
60 - 70	840

TRAFFIC CONTROL SHEET 2 OF 5

STATE

MO SHEET NO

6



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

TEMPORARY SHORT TERM RUMBLE STRIPS

NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

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.

SHORT-TERM RUMBLE STRIPS					
PERMANENT POSTED (MPH)	DISTANCE (2)	SPACING (3)			
0-45 OPTIONAL)	120 FT	10 FT			
50-55 OPTIONAL)	160 FT	20 FT			
60-70	200 FT	35 FT			

**SECOND SET OF TEMPORARY RUMBLES OPTIONAL



SPACING EXAMPLE

SIGN SPACING (FT.)
(1) SPEED NON-DIVIDED HIGHWAYS PERMANENT DIVIDED HIGHWAYS POSTED (MPH) (S) (S) 200 200 0-35 40-45 350 500 50-55 500 1000 (SA)-1000 (SB)-1500 60-70 1000 (SC)-2640

NOTES:

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

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

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

USE THIS SHEET 2 OF RUMBLES ARE REQUIRED. ALSO ADD PAY ITEM QUANTITIES SHEET.

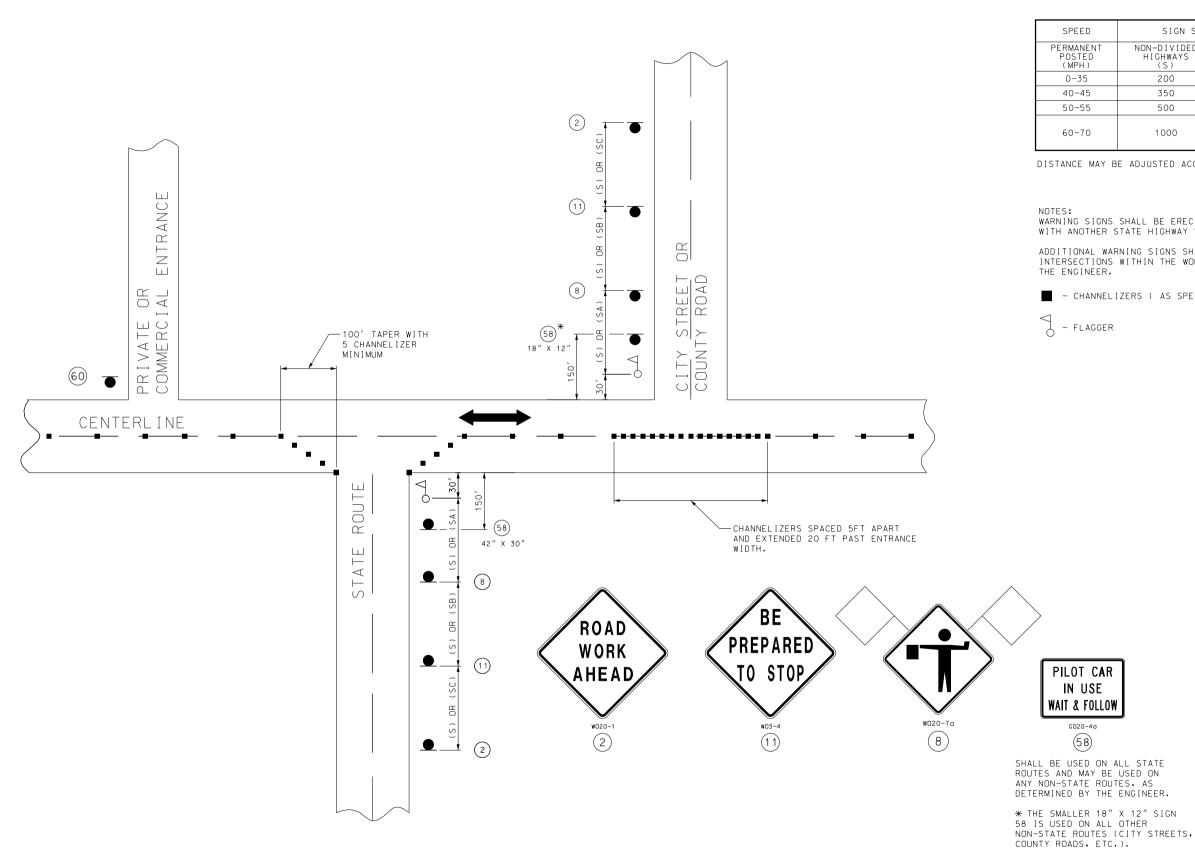
TRAFFIC CONTROL SHEET 2 OF 5

MO SHEET NO

6

COUNTY

JOB NO.



SIDE ROADS ENTERING WORK ZONES

SPEED	SIGN SPACING (FT.)	
PERMANENT POSTED (MPH)	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.

5/25/2021

JOB NO.

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

STATE ΜO SHEET NO.

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

- CHANNELIZERS (AS SPECIFIED)

PILOT CAR IN USE WAIT & FOLLOW

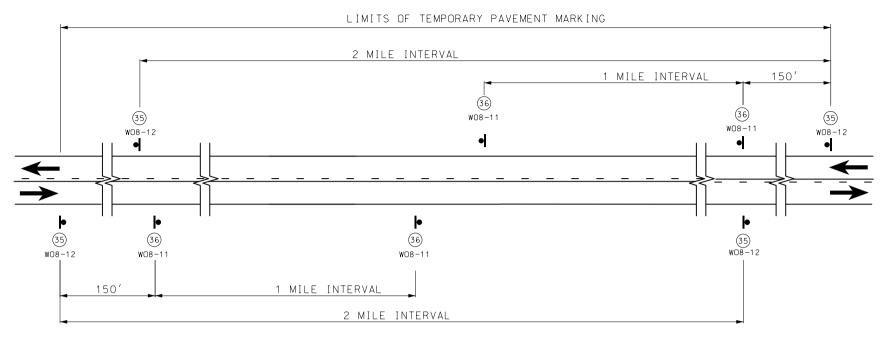
SPECIAL

60

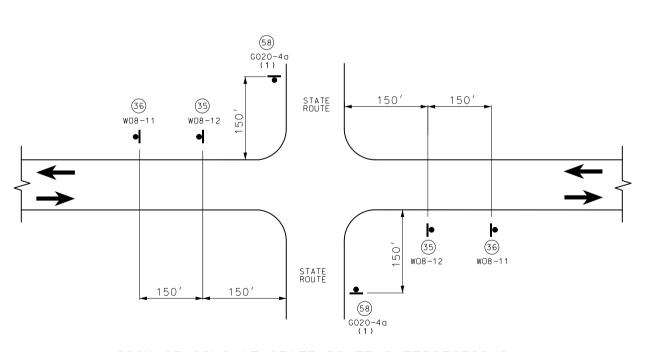
SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES. SEE SPECIAL PROVISIONS.

SHEET 3 OF 5

TRAFFIC CONTROL



SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS SHOWING TEMPORARY STRIPING FOR MAINLINE

PILOT CAR IN USE WAIT & FOLLOW G020-4a

(58)



(35)



NOTES:

NOT TO SCALE

SIGN (35) AND TEMPORARY RAISED PAVEMENT MARKING (SEE STANDARD PLAN 620.10) 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.

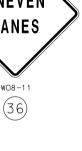
SIGN 35 IS PLACED AT APPROXIMATELY TWO-MILE INTERVALS AND AT STATE ROUTE JUNCTIONS. WHEN THE INSTALLATION AT A JUNCTION IS WITHIN ONE-EIGHTH MILE OF THE NORMAL MAINLINE SIGN (35), THE LATTER MAY BE ELIMINATED.

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

(1) ADDITIONAL SIDEROADS MAY BE SIGNED AS APPROVED BY THE ENGINEER.

SHEET 4 OF 5





5/25/2021

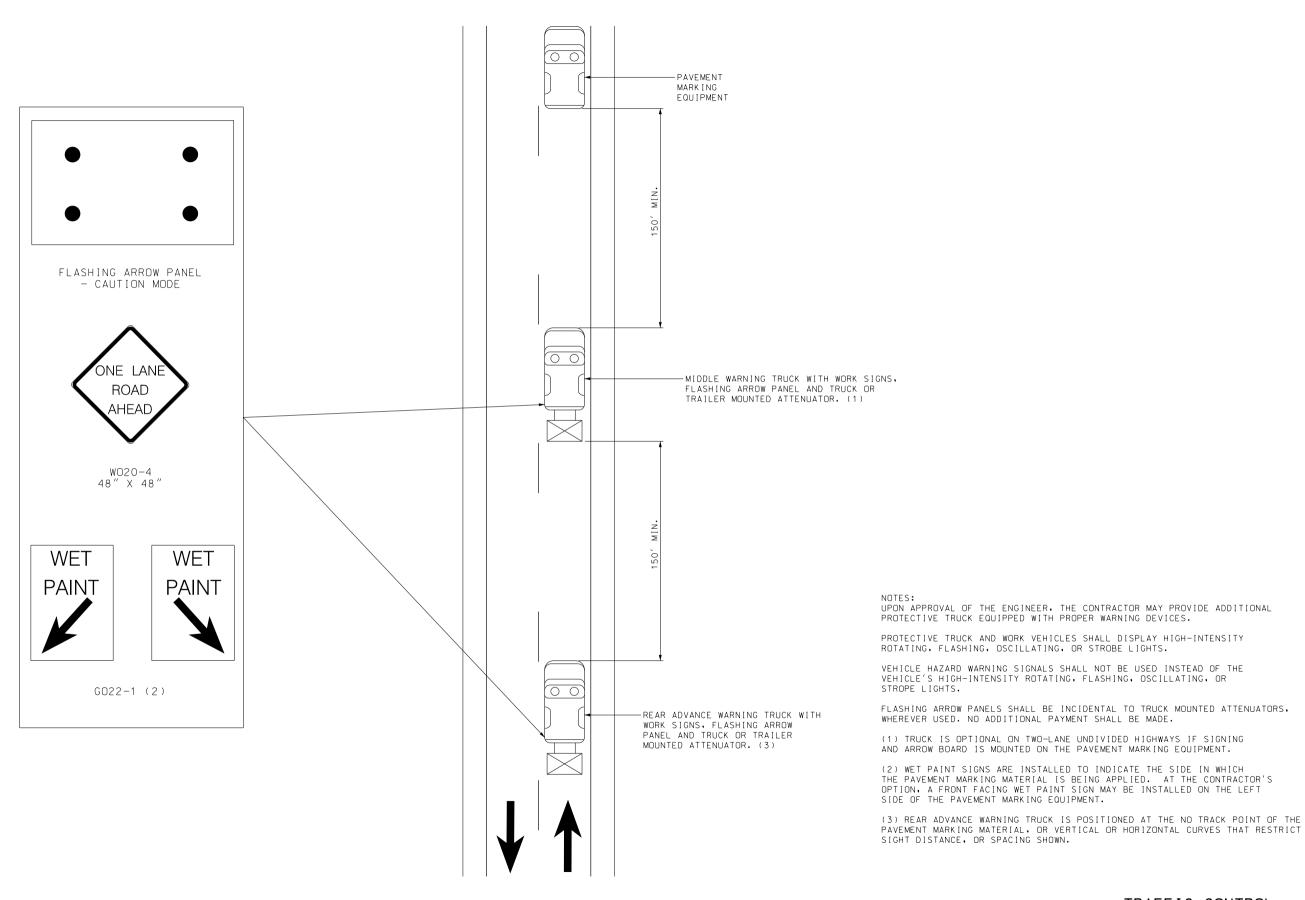
COUNTY JOB NO. CONTRACT ID. PROJECT NO. BRIDGE NO.

ΜO

SHEET NO.

8

TRAFFIC CONTROL



CENTERLINE/EDGELINE STRIPING ON TWO-LANE HIGHWAYS

TRAFFIC CONTROL SHEET 5 OF 5

5/25/2021

JOB NO.

BRIDGE NO.

MO SHEET NO