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	NU	MBER
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### LENGTH OF PROJECT

BEGINNING OF PROJECT END OF PROJECT

APPARENT LENGTH

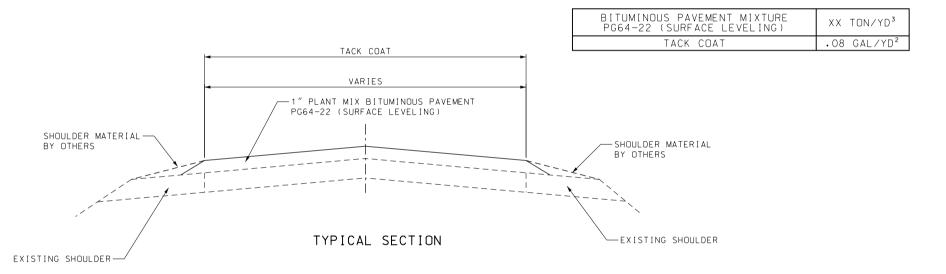
EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS NET LENGTH OF PROJECT STATE LENGTH

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

SHEET

DATE PREPARED 3/13/2018 JOB NO. CONTRACT ID. BRIDGE NO.



NOTE: SURFACE PLACEMENT SHALL BE ONE PASS PER LANE NO S.E. CORRECTION. "THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT." DATE PREPARED 3/13/2018 STATE MO SHEET NO. JOB NO. CONTRACT ID. PROJECT NO. BRIDGE NO.

TYPICAL SECTION SHEET 1 OF 1

					BITUMIN	OUS PAVEMENT	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			

MODIF	IED	COL	D I	MILLI	NG	(DEPTH	TRANSITION)
LOG MILE	LOG	MILE	QUA	YTITM		F	REMARKS
			S	Q.YD.			
STATE F	OUT	E EN	TRA	ANCES			
	TO	TAL					

STANDA	RD WATE	RBORNE	MARKING PAINT	4 "	YELLOW
LOG MILE	LOG MILE	QUANTITY	REMARKS		
		EACH			
	TOTAL				

S	TAND	4RD	WATE	ERBORNE	MARK ING	PAINT	4 "	WHITE
LOG	MILE	LOG	MILE	QUANTITY	RI	EMARKS		
				EACH				
		TO	TAL					
					<u> </u>			
NOTE: WITH 6		ARY A	ND PER	MANENT PAVE	EMENT MARKING	S SHALL BE	IN	ACCORDANCE

ITEM NO.

616-10.25

612-30.00A

QTY.

DESCRIPTION
CHANNELIZERS (TRIM-LINE)
TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)

			С	ONSTRU	CTION SIGN	ING
SIGN NO.	SIGN	SIZE (in.)	AREA	QTY.	TOTAL AREA (ft.²)	DESCRIPTION
2 **	W020-1	48 × 48	16.00	Х	XX.XX	ROAD WORK AHEAD
7	W020-4	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)*	G020-1	60 × 24	10.00	2	20	ROAD WORK NEXT XX MILES
26	G020-2	48 × 24	8.00	2	16	END ROAD WORK
35)	WO8-12	48 × 48	16.00	X	xx.xx	NO CENTER LINE
36	WO8-11	48 × 48	16.00	X	xx.xx	UNEVEN LANES
53	G020-4	36 × 18	4.5	X	xx.xx	PILOT CAR FOLLOW ME
58	G020-4A	42 × 30	8.75	Х	xx.xx	PLEASE WAIT FOR PILOT CAR
11)	WO3-4	48 × 48	16.00	Х	xx.xx	BE PREPARED TO STOP
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
	GO22-1	21 X 15	2.19	Х	xx.xx	WET PAINT (ARROW PIVOTS)
616-10 CONSTRI	.05 UCTION SIGN	NS TOTAL		_	XXX.XX	-

FLAG ASSEMBLIES

REMARKS

QUANTITY

EACH

TOTAL

\* 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.

MOBILIZATION 1 LUMP SUM

SUMMARY OF QUANTITIES SHEET 1 OF 1

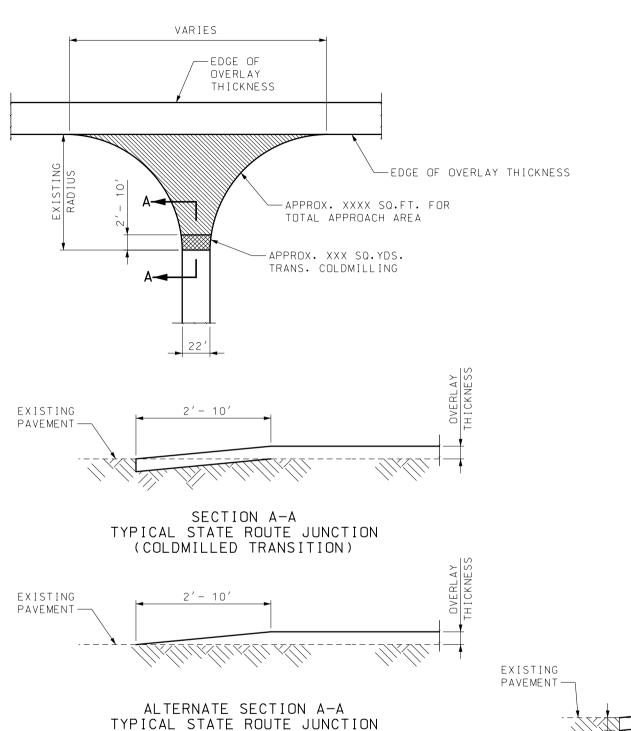
"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

3/13/2018

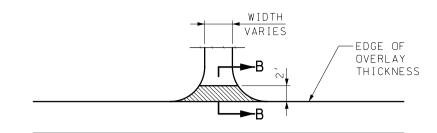
JOB NO. CONTRACT ID.

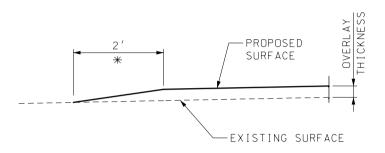
BRIDGE NO.

MO SHEET NO.

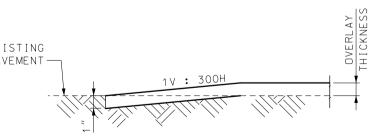


(TAPERED TRANSITION)



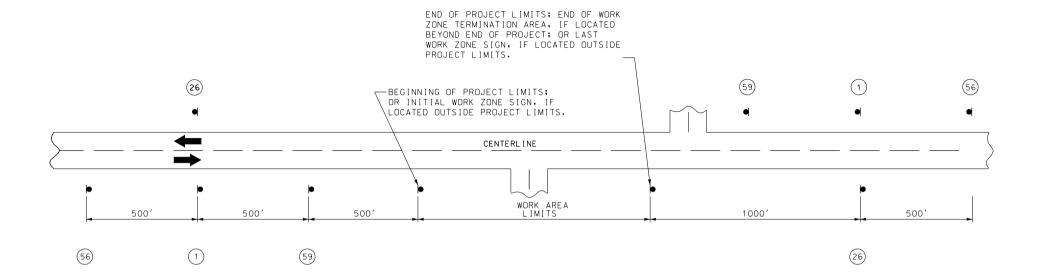


SECTION B-B
TYPICAL ENTRANCE
(FIELD, PRIVATE OR COUNTY ROAD)
\*\* TAPER AT 1:1 FOR FIELD ENTRANCE



TRAVELWAY DEPTH TRANSITIONS
BEGINNING AND END OF PROJECT
AND EXCEPTIONS

SPECIAL SHEET 1 OF 1 "THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."



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.









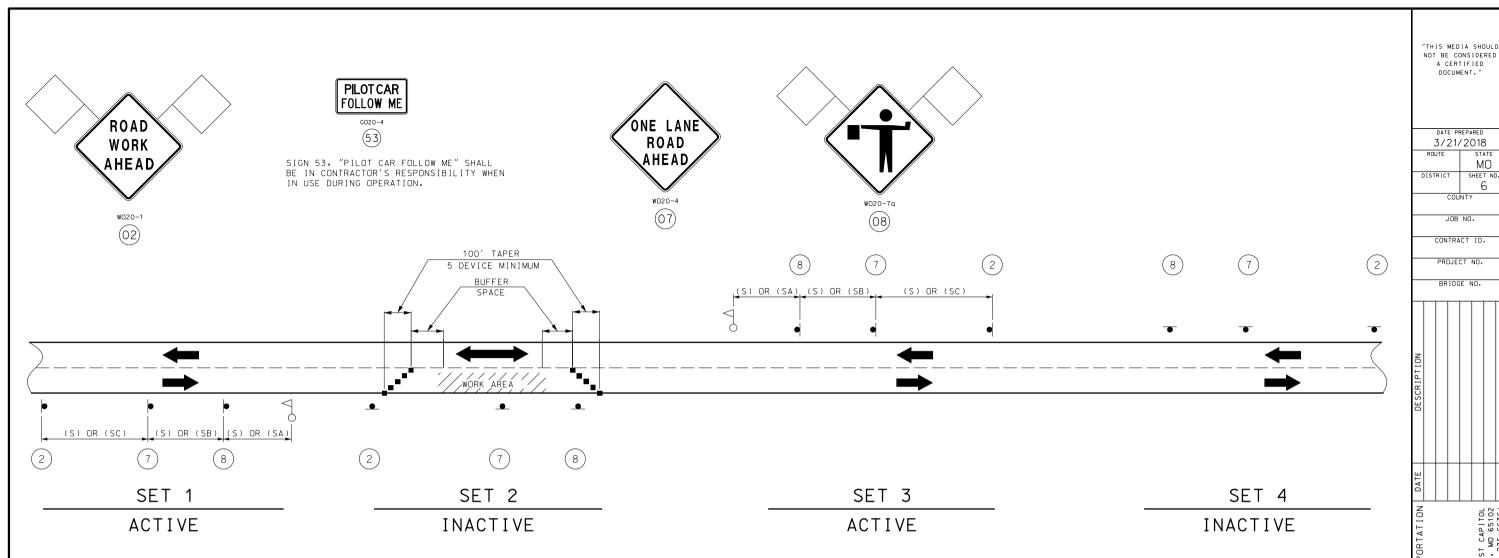
TRAFFIC CONTROL SHEET 1 OF 5 "THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

3/13/2018

JOB NO.

BRIDGE NO.

MO SHEET NO.



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.

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 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.

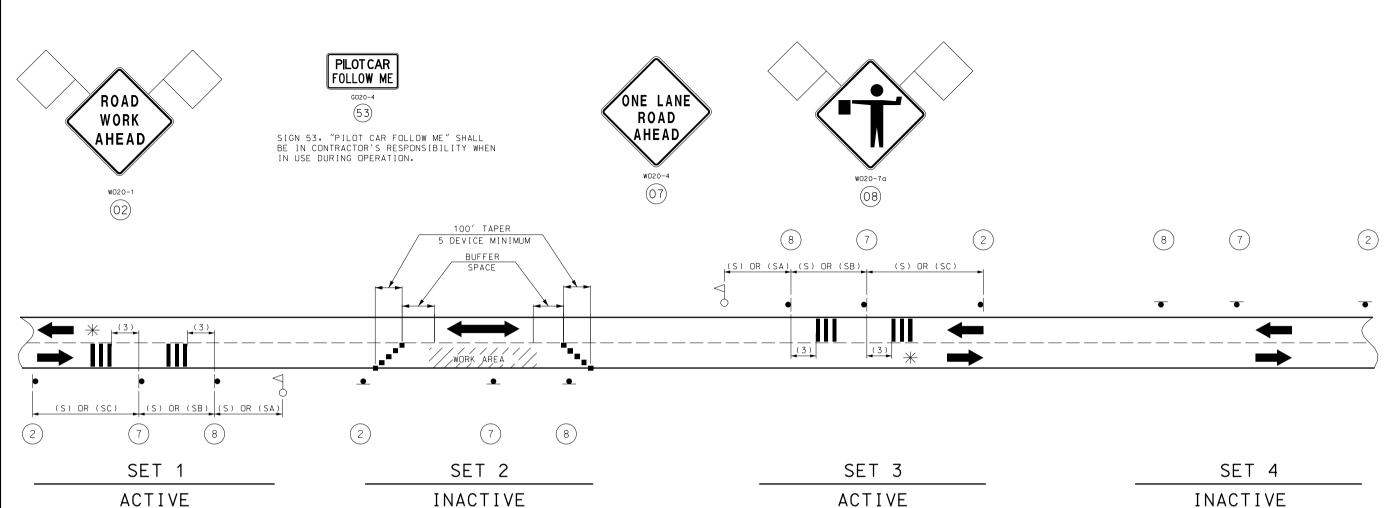
PERMANENT POSTED	BUFFER SPACE
SPEED LIMIT	LENGTH
(MPH)	(FT)
0 - 35	280
40 - 45	400
50 - 55	560
60 - 70	840

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

- FLAGGEI

- 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.

FLAG ASSEMBLIES FOR SIGNS WILL BE PAID FOR AS EACH PER SIGN. EXCEPT FOR SIGN W020-70 WHICH IS SUBSIDIARY TO THE SIGN.

SHORT-TERM RUMBLE STRIPS							
SPEED MPH	DISTANCE (3)	SPACING (4)					
0-45 OPTIONAL)	120 FT	10 FT					
50-55	160 FT	15 FT					
60-70	200 FT	20 FT					

\*\*SECOND SET OF TEMPORARY RUMBLES OPTIONAL



SPACING EXAMPLE

SPEED	SIGN SPACING (FT.) (1)	
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 CONDITION.

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 5 ONLY
WHEN TEMPORARY RUMBLES
ARE REQUIRED

TRAFFIC CONTROL SHEET 2 OF 5

MISSOURI HIGHWAYS AND TRANSPORTATION

COMMISSION

105 WEST CAPITOL

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

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

3/23/2018

COUNTY

JOB NO.

CONTRACT ID.

PROJECT NO.

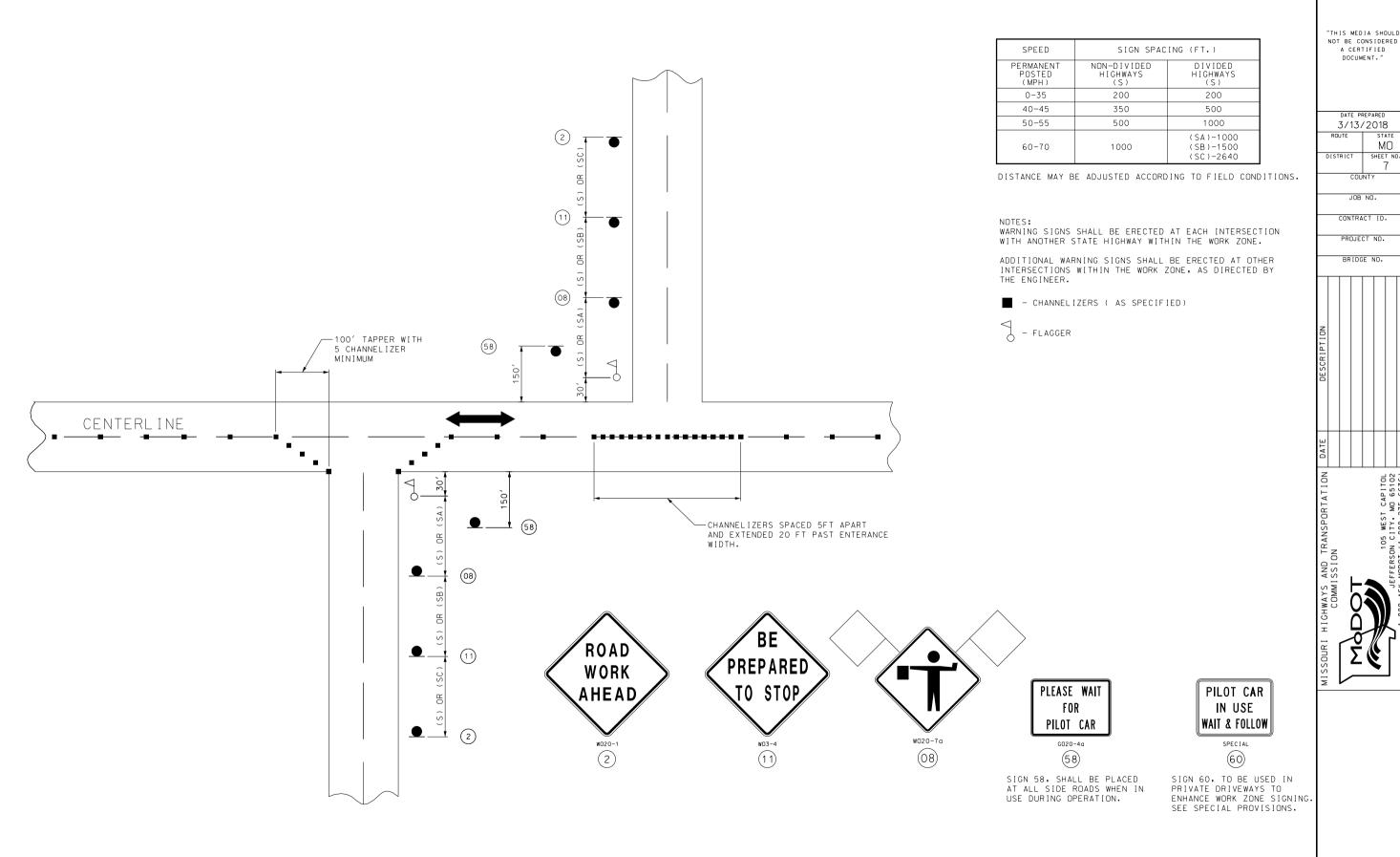
BRIDGE NO.

STATE

MO SHEET NO

6

ROUTE

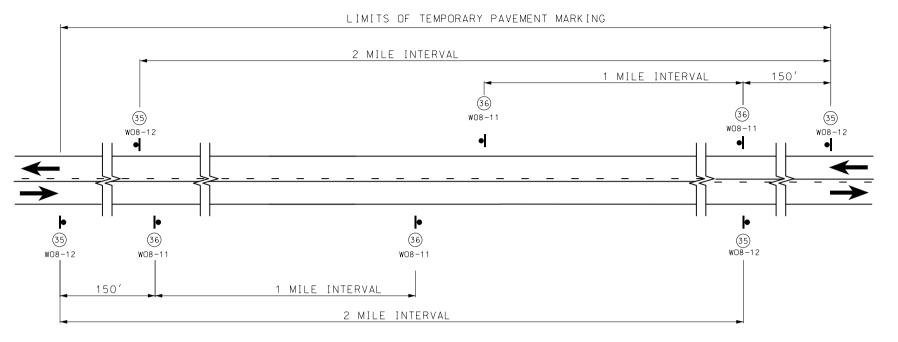


SIDE ROADS ENTERING WORK ZONES

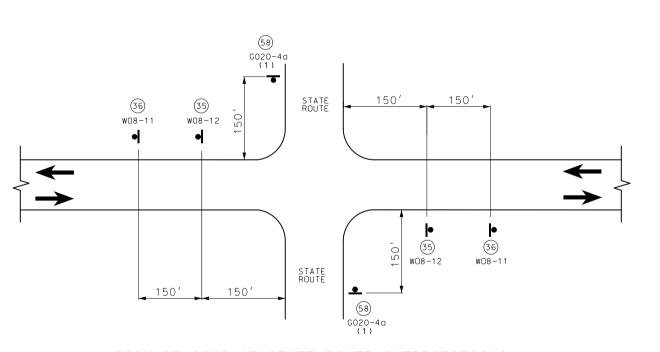
ΜO SHEET NO. JOB NO. CONTRACT ID. BRIDGE NO.

3/13/2018

TRAFFIC CONTROL SHEET 3 OF 5



#### SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



# SIGN SPACING AT STATE ROUTE INTERSECTIONS SHOWING TEMPORARY STRIPING FOR MAINLINE

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





NOTES:

PLEASE WAIT

FOR PILOT CAR

G020-4a

(58)

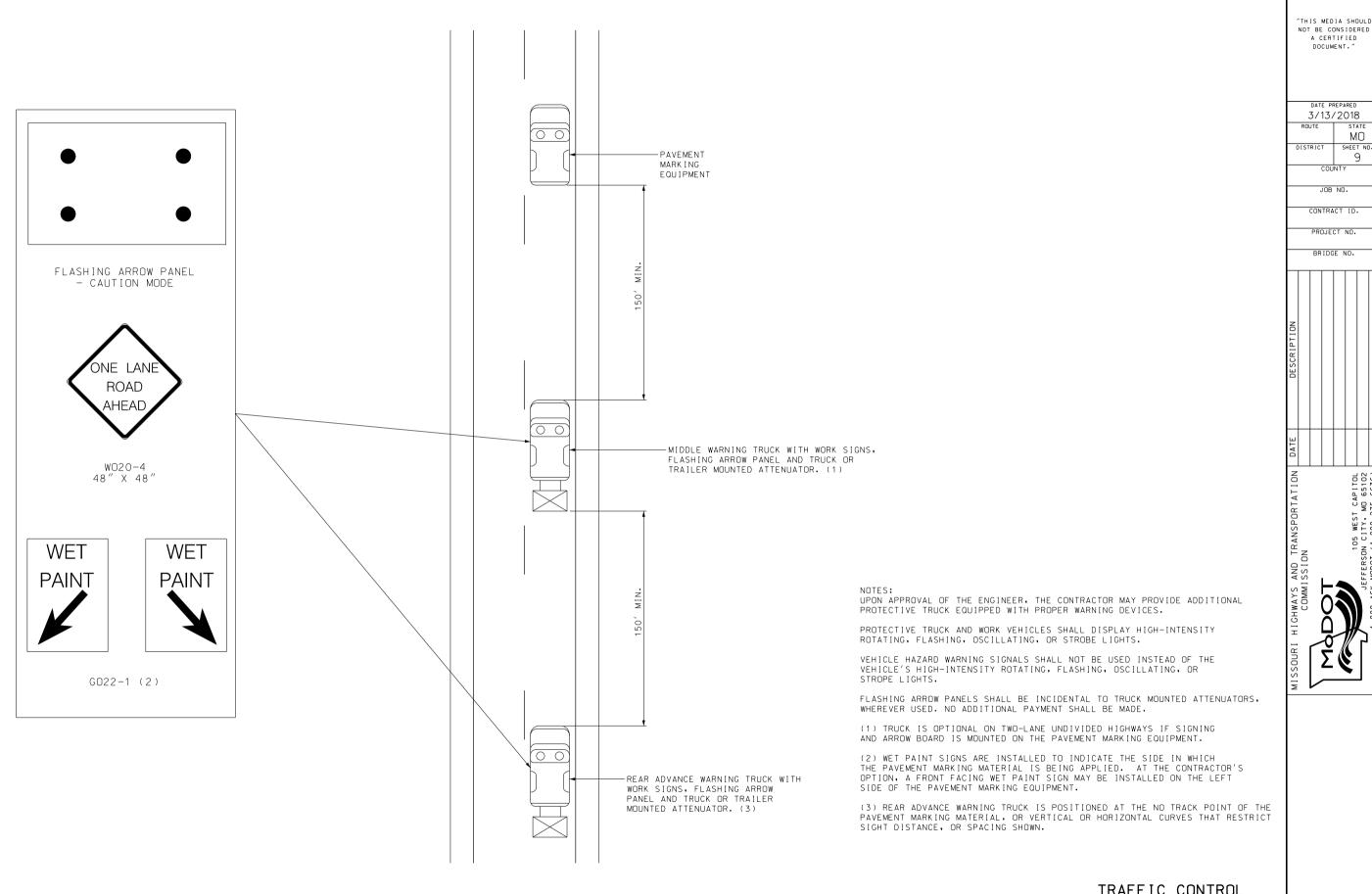
SIGN (35) AND TYPE 2 TRPM INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS BEEN INSTALLED.

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.

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT." 3/13/2018 ΜO SHEET NO. 8 COUNTY JOB NO. CONTRACT ID. PROJECT NO. BRIDGE NO.

TRAFFIC CONTROL SHEET 4 OF 5



CENTERLINE/EDGELINE STRIPING ON TWO-LANE HIGHWAYS

TRAFFIC CONTROL SHEET 5 OF 5