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

DATE PREPARED
4/16/2019
ROUTE STATE
MO
DISTRICT SHEET NO.
1
COUNTY

JOB NO.
PROJECT NO.
BRIDGE NO.
H

"THIS MEDIA SHOULD

NOT BE CONSIDERED
A CERTIFIED
DOCUMENT."

SHEET

LENGTH OF PROJECT

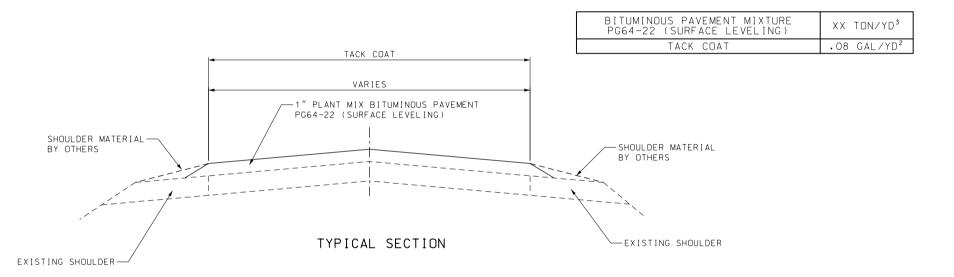
BEGINNING OF PROJECT END OF PROJECT

APPARENT LENGTH

EQUATIONS AND EXCEPTIONS:

MILES

TOTAL CORRECTIONS
NET LENGTH OF PROJECT
STATE LENGTH



NOTE: SURFACE PLACEMENT SHALL BE ONE PASS PER LANE NO S.E. CORRECTION. "THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT." DATE PREPARED 4/16/2019 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 M	ILE	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			
		TUTALS			

SIGN NO.

SIGN

MODIF	IED COL	D MILLI	NG (DEPTH TRANSITION)
LOG MILE	LOG MILE	QUANTITY	REMARKS
		SQ.YD.	
STATE R	OUTE EN	ITRANCES	
	TOTAL		

STANDAN	D WAIE	KROKINE I	MARKING PAIN	1 4	YELLUW
LOG MILE L	OG MILE	QUANTITY	REMARK:	S	
		EACH			
	TOTAL				

S	STAND	ARD	WATE	ERBORNE	MARKING	PAINT	4 "	WHITE
LOG	MILE	LOG	MILE	QUANTITY	RE	EMARKS		
				EACH				
		TO	TAL					
	TEMPOR 620.10.	ARY A	ND PER	MANENT PAVE	MENT MARKING	SHALL BE	ΙN	ACCORDANCE

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 x 18	4.5	Х	xx.xx	PILOT CAR FOLLOW ME
(58)	G020-4a	42 × 30	8.75	X	xx.xx	PILOT CAR IN USE WAIT & FOLLO
11)	WO3-4	48 × 48	16.00	X	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	X	xx.xx	WET PAINT (ARROW PIVOTS)
616-10 CONSTR	.05 UCTION SIGN	NS TOTAL			xxx.xx	
						_

CONSTRUCTION SIGNING

AREA

QTY.

SIZE

(in.)

TOTAL

AREA (ft.2)

* 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
616-10.25	10	CHANNELIZERS (TRIM-LINE)
612-30.00A	Х	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)

	FLAG	ASSEMBLIES
	QUANTITY EACH	REMARKS
TOTAL		

MOBILIZATION
1 LUMP SUM

DESCRIPTION

SUMMARY OF QUANTITIES

SHEET 1 OF 1

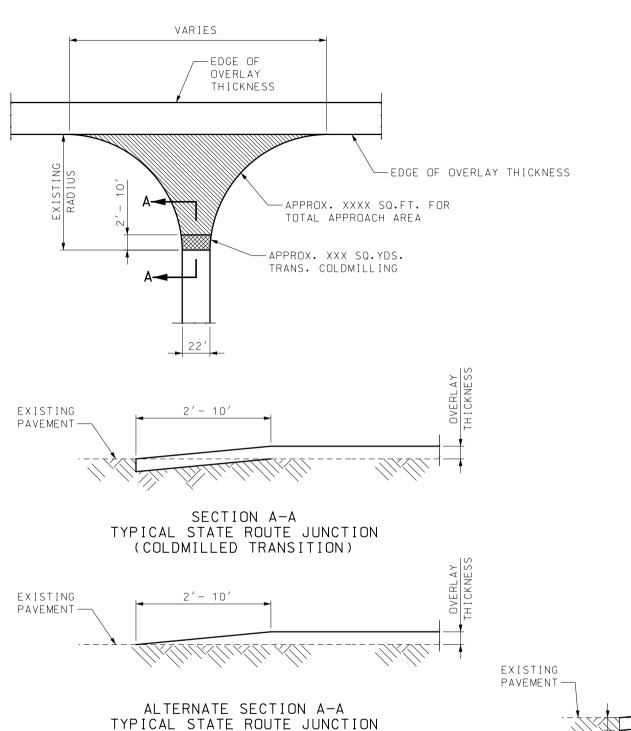
"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

4/16/2019

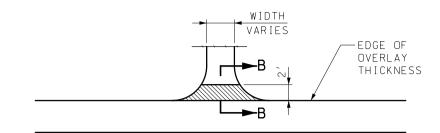
JOB NO. CONTRACT ID.

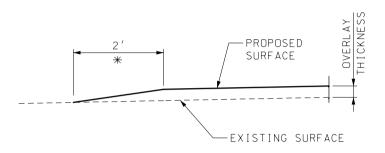
BRIDGE NO.

MO

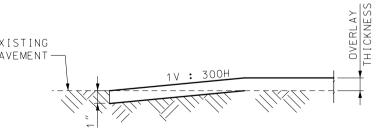


(TAPERED TRANSITION)





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."

4/16/2019

COUNTY

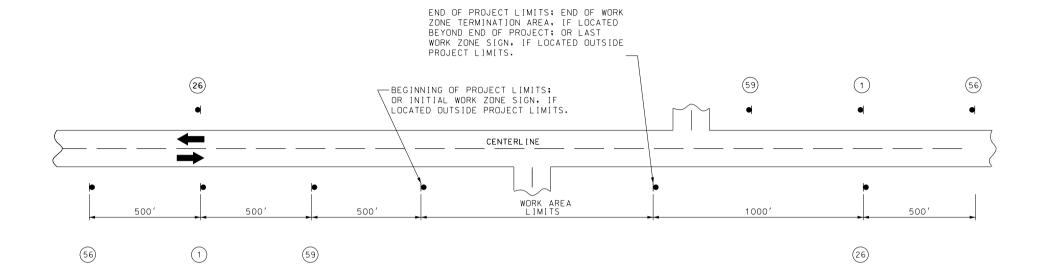
JOB NO.

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

STATE
MO
SHEET 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.



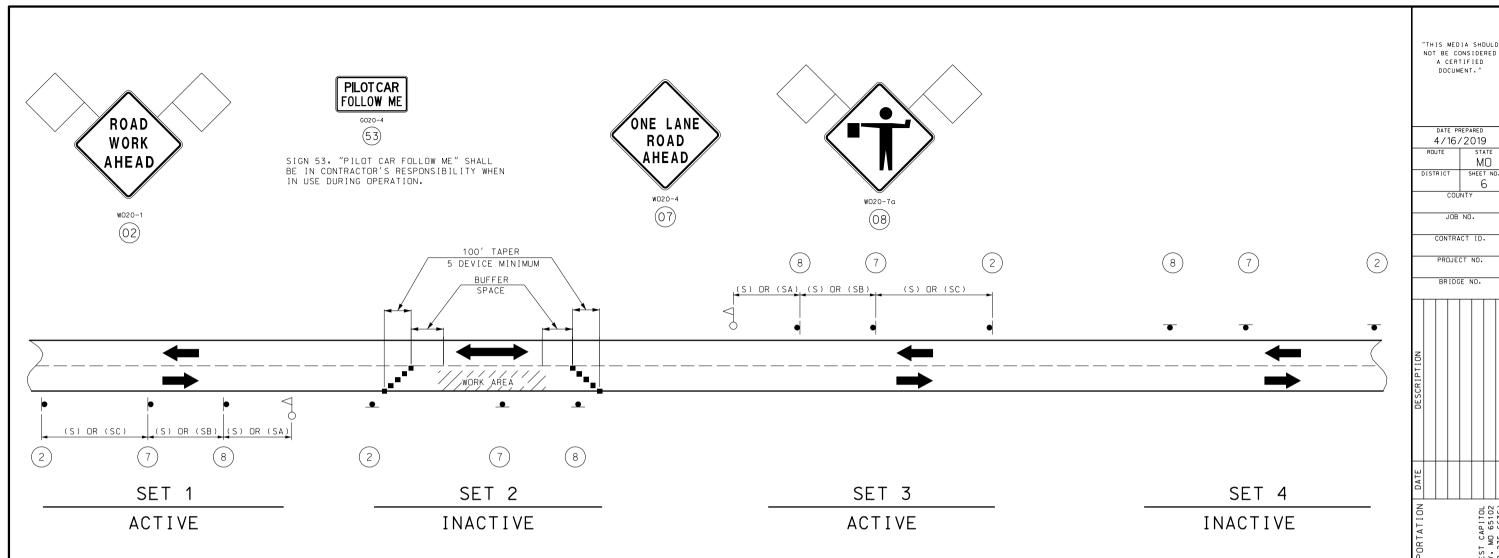






"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT." 4/16/2019 ΜO SHEET NO. JOB NO. CONTRACT ID. BRIDGE NO.

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.

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

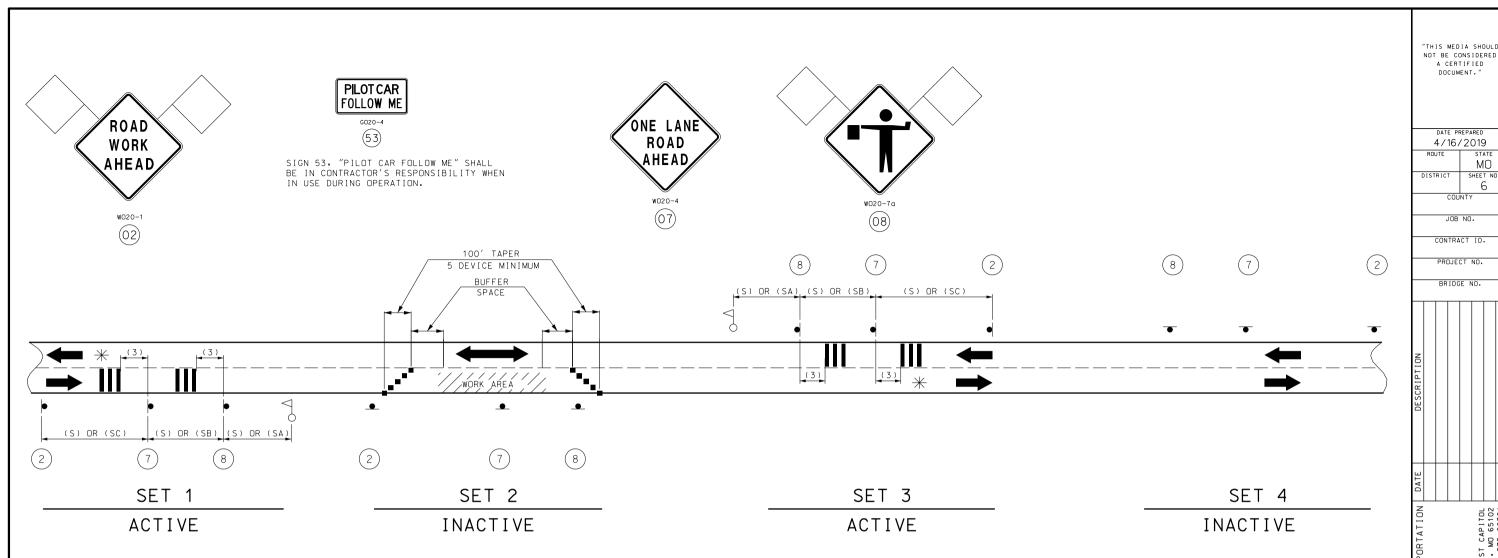
SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

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

MO SHEET NO

6



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

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 W020-7a 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

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

> SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

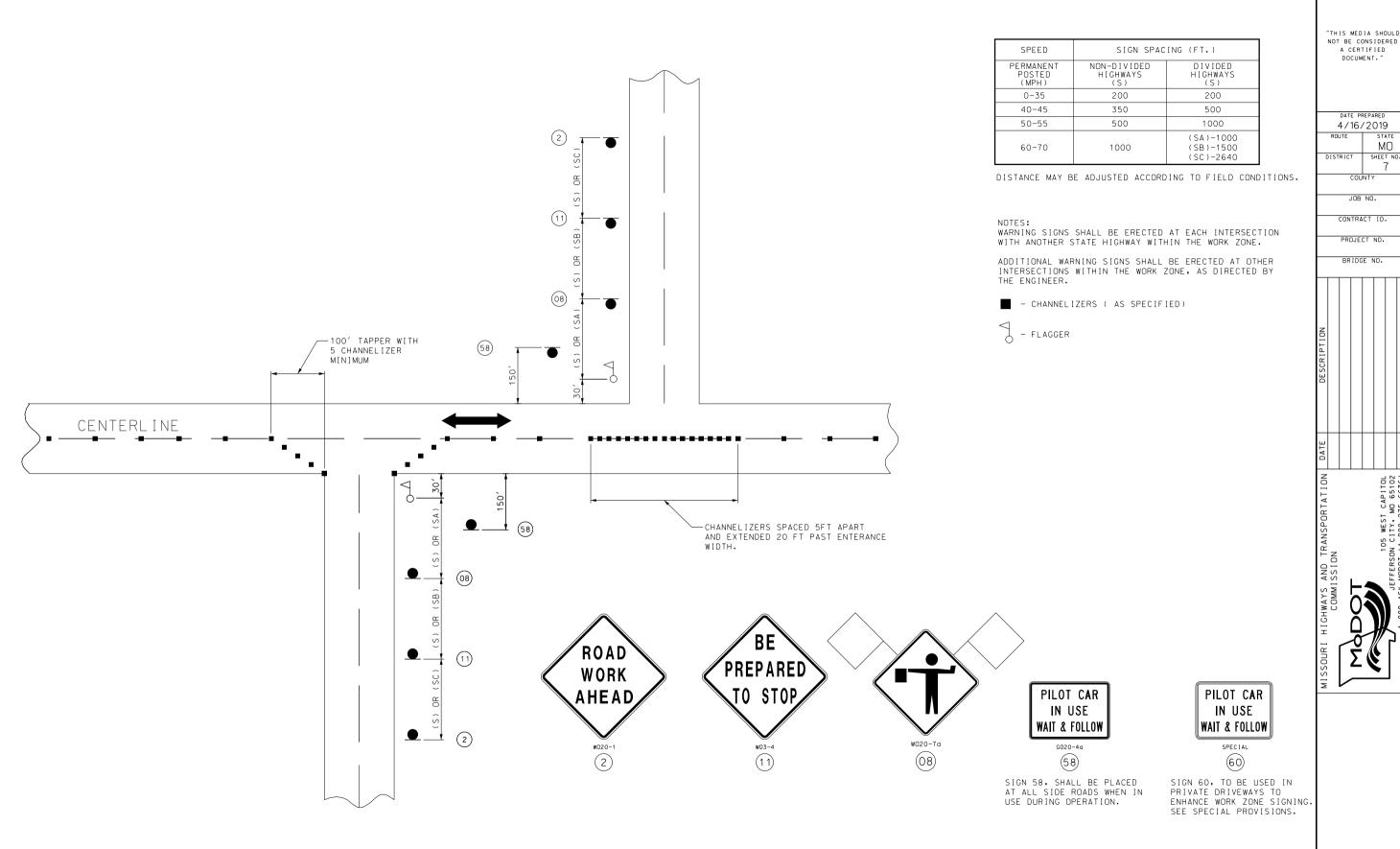
PERMANENT POSTED	BUFFER SPACE
SPEED LIMIT	LENGTH
(MPH)	(FT)
0 - 35	280
40 - 45	400
50 - 55	560
60 - 70	840

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

> TRAFFIC CONTROL SHEET 2 OF 5

MO SHEET NO

6

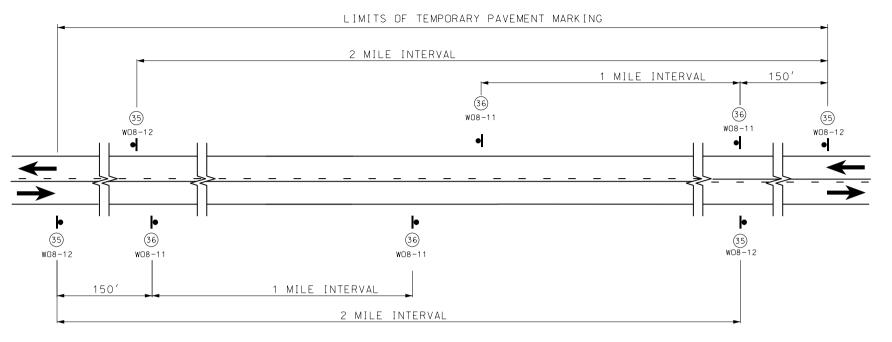


4/16/2019 ΜO SHEET NO.

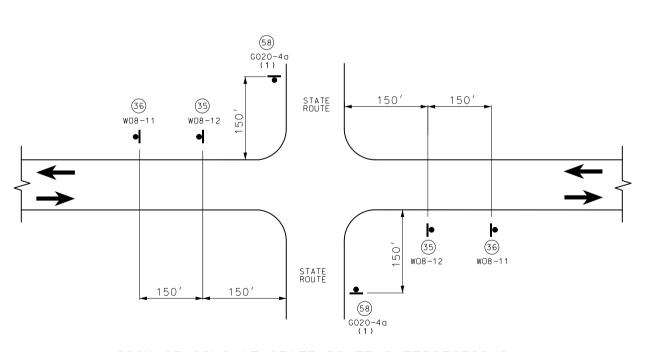
BRIDGE NO.

SIDE ROADS ENTERING WORK ZONES

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:

PILOT CAR

IN USE WAIT & FOLLOW

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.

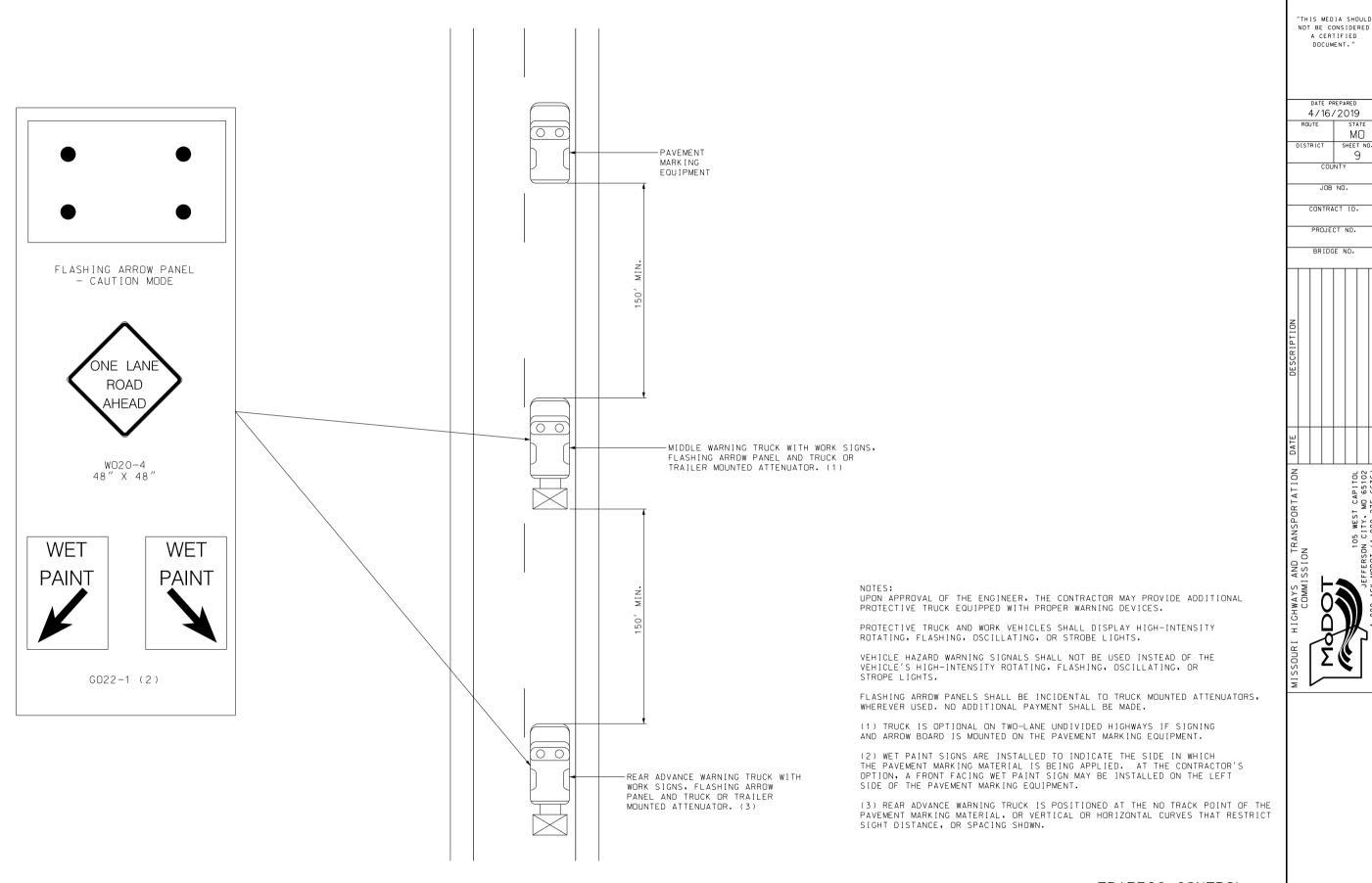
SIGN 35 IS PLACED AT APPROXIMATELY TWO-MILE INTERVALS AND AT STATE ROUTE JUNCTIONS. WHEN THE INSTALLATION AT A JUNCTION IS WITHIN ONE-EIGHTH MILE OF THE NORMAL MAINLINE SICN (35). THE LATTER MAY BE ELIMINATED.

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

A CERTIFIED DOCUMENT." 4/16/2019 ΜO SHEET NO 8 COUNTY JOB NO. CONTRACT ID. PROJECT NO. BRIDGE NO.

"THIS MEDIA SHOULD NOT BE CONSIDERED

TRAFFIC CONTROL SHEET 4 OF 5



CENTERLINE/EDGELINE STRIPING ON TWO-LANE HIGHWAYS

TRAFFIC CONTROL SHEET 5 OF 5