

DESIGN DESIGNATION

A.A.D.T. - 2024 = 1218
V = 40 M.P.H.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

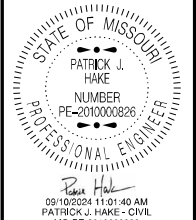
PLANS FOR PROPOSED

STATE HIGHWAY

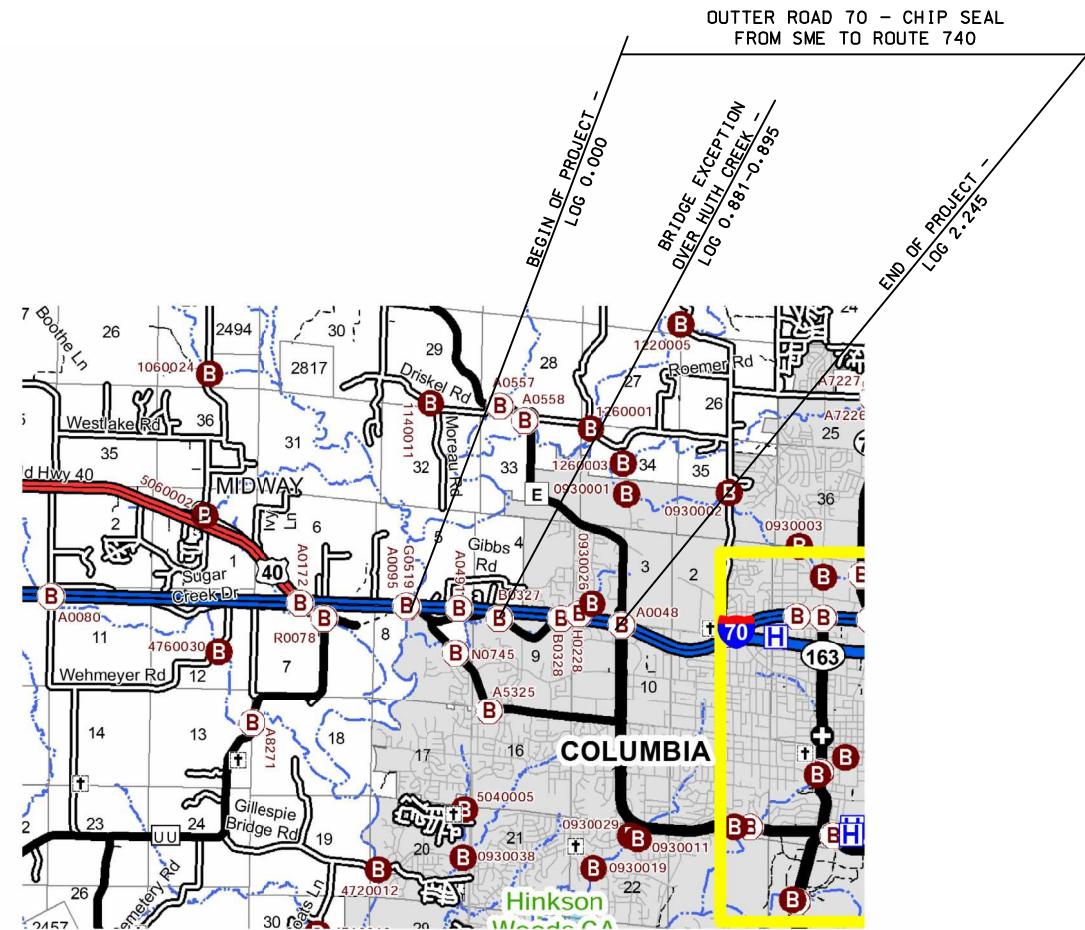
BOONE COUNTY

INDEX OF SHEETS

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



DATE PREPARED 9/10/2024	
ROUTE OR 70	STATE MO
DISTRICT CD	SHEET NO. 1
COUNTY BOONE	
JOB NO. JCD0054	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



KEY MAP
LOCATION OF BOONE COUNTY

NOT TO SCALE

LENGTH OF PROJECT


BEGINNING OF PROJECT	LOG MILE	0.000
END OF PROJECT	LOG MILE	2.245
APPARENT LENGTH		11853.60 FEET
EXCEPTIONS:		
BRIDGE-B0327 (OVER HUTH CREEK)		
LOG MILE	0.881-0.895	73 FEET

TOTAL CORRECTIONS		73 FEET
NET LENGTH OF PROJECT		11780.60 FEET
STATE LENGTH		2.231 MILES

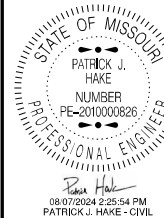
FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 0 ACRES

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



DATE PREPARED
8/7/2024

ROUTE STATE
OR 70 MO

DISTRICT SHEET NO.
CD 2

COUNTY
BOONE

JOB NO.
JCD0054

CONTRACT ID.

PROJECT NO.

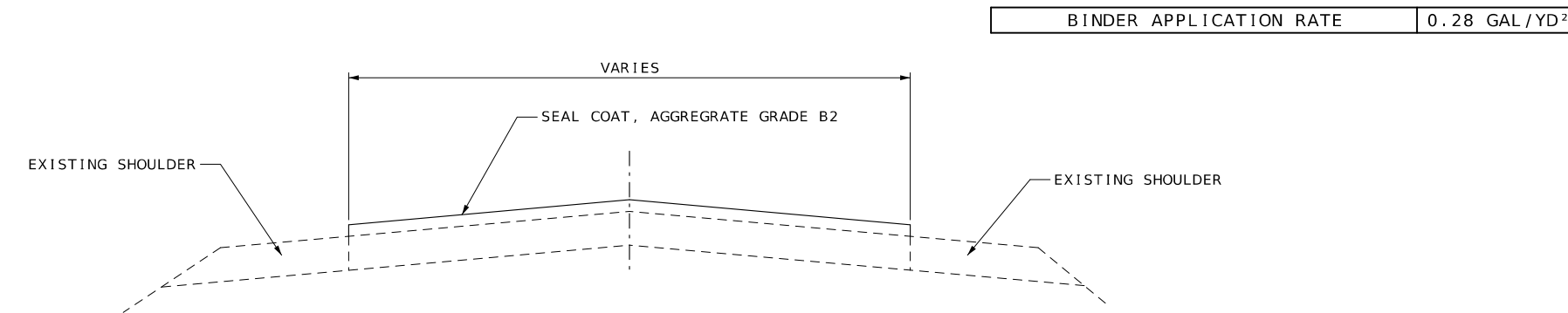
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



TYPICAL SECTION
 ROUTE OR-70 (I-70 DRIVE SW)
 LOG MILE 0.000 - 2.245
 EXCEPTION: BR B0327 LM 0.881-0.895

BITUMINOUS PAVEMENT SEAL COAT, GRADE B2								
LOG MI	LOG MI	ROUTE	DISTANCE FT	RDWY WIDTH FT	AREA SF	SEAL COAT B2 SY	EMULS. ASPHALT GAL (0.28 GAL/SY)	REMARKS
0.000	0.881	OR-70	4651.68	22	102337	11370.78	3183.82	170 DR SW
0.881	0.895	OR-70	73.92					EXCEPTION - BR B0327
0.895	2.245	OR-70	7128.00	22	156816	17424.00	4878.72	170 DR SW
TOTALS						28794.78	8062.54	
USE						28795	8063	

PAVEMENT MARKING						
LOG MI	LOG MI	LOCATION	DISTANCE	WATERBORNE PVMT MARKING PAINT TYPE P BEADS		REMARKS
				4 IN. WHITE LF	4 IN. YELLOW LF	
0.000	2.245	OR-70	11853.6	23707.2	23707.2	
TOTAL				23707.2	23707.2	
USE				23707	23707	

NOTE: ALL PAVEMENT MARKING TO MATCH EXISTING. LOCATE BEFORE RESURFACING

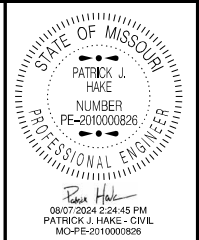
MOBILIZATION
1 LUMP SUM

TEMPORARY TRAFFIC CONTROL						
SIGN	SIZE IN.	AREA SQ. FT.	QTY EACH	TOTAL AREA SQ. FT.	SIGN NUM.	DESCRIPTION
CONSTRUCTION SIGNS						
W020-1	48 x 48	16.00	11	176	2	ROAD WORK AHEAD
W020-4	48 x 48	16.00	4	64	7	ONE LANE ROAD AHEAD
W020-7a	48 x 48	16.00	11	176	8	FLAGGER (SYMBOL) WITH FLAGS
G020-1	60 x 24	10.00	2	20	1	ROAD WORK NEXT 2 MILES
G020-2	48 x 24	8.00	2	16	26	END ROAD WORK
W08-12	48 x 48	16.00	4	64	35	NO CENTER LINE
G020-4	36 x 18	4.5	1	4.5	53	PILOT CAR FOLLOW ME
W08-7a	36 x 36	9.00	6	54	57	FRESH OIL LOOSE GRAVEL
G020-4a	42 x 30	8.75	2	17.5	58	PILOT CAR IN USE WAIT & FOLLOW
G020-4a	18 x 12	1.50	5	7.5	58	PILOT CAR IN USE WAIT & FOLLOW
W03-4	48 x 48	16.00	7	112	11	BE PREPARED TO STOP
CONST-8	48 x 36	12.00	2	24	59	WORK ZONE NO PHONE ZONE
G022-1	21 x 15	2.19	4	8.76		WET PAINT (ARROW PIVOTS)
CONSTRUCTION SIGNS TOTAL				744.26		
ADDITIONAL TRAFFIC CONTROL ITEMS						
				200		CHANNELIZERS (TRIM-LINE)
	619-1098A		2 *			CHANGEABLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFACE CONTRACTOR FURNISHED, CONTRACTOR RETAINED
TEMPORARY TRAFFIC CONTROL TOTAL				1 LUMP SUM		

* NOT INCLUDED IN LUMP SUM TRAFFIC CONTROL

NOTE: ALL TRAFFIC CONTROL ITEMS ARE INCLUDED IN PAY ITEM 616-99.01, LUMP SUM TEMPORARY TRAFFIC CONTROL, UNLESS OTHERWISE NOTED IN THE PLANS. THE QUANTITIES SHOWN ARE ONLY AN ESTIMATE AND ARE SUBJECT TO CHANGE BASED UPON FIELD CONDITIONS AND CONTRACTOR'S OPERATIONS.

NO DIRECT PAY WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS OR DEVICES.

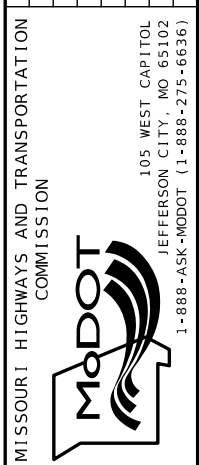


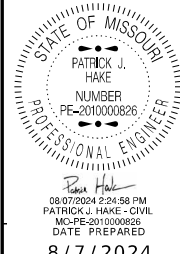
DATE PREPARED
8/7/2024

ROUTE OR 70 STATE MO
DISTRICT CD SHEET NO. 3

COUNTY BOONE
JOB NO. JCD0054
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

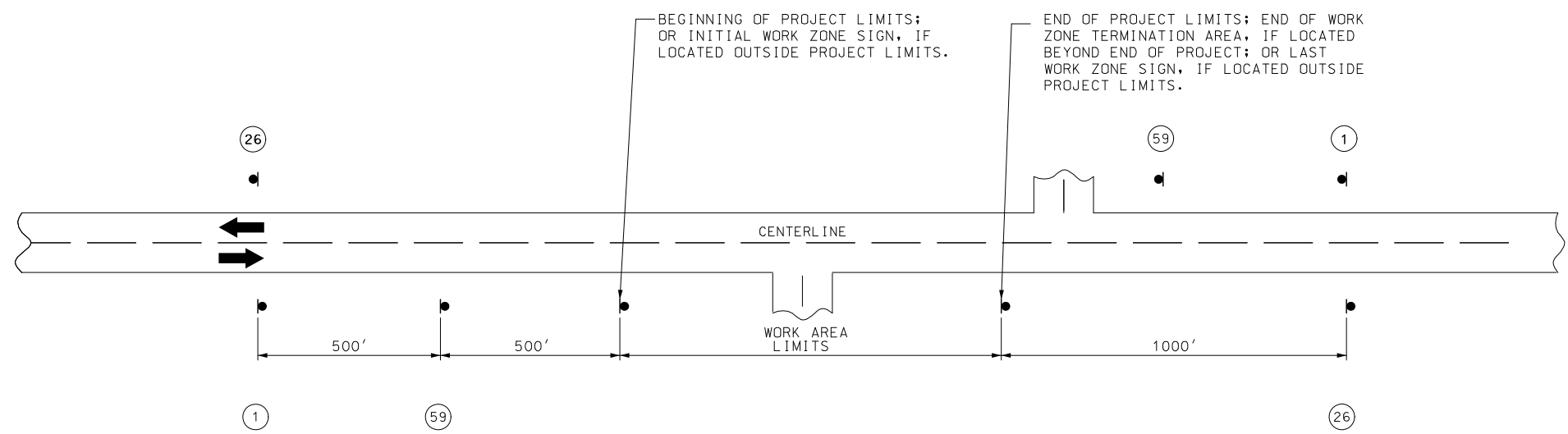
DATE	DESCRIPTION





STATE OF MISSOURI
 PATRICK J. HAKE
 NUMBER
 PE-2010000826
 PROFESSIONAL ENGINEER
 08/07/2024 2:24:58 PM
 PATRICK J. HAKE - CIVIL
 MICH-PE-2010000826
 DATE PREPARED
 8/7/2024

ROUTE	STATE
OR 70	MO
DISTRICT	SHEET NO.
CD	4
COUNTY	
BOONE	
JOB NO.	
JCD0054	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

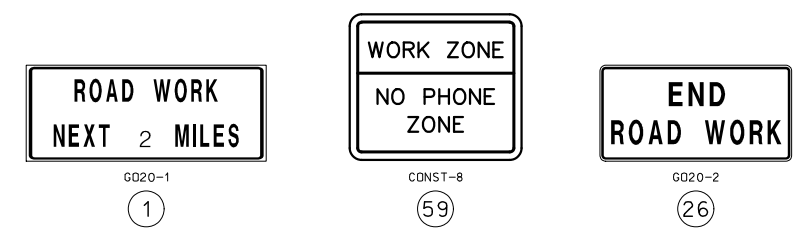


NOTES:

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.



MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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

DESCRIPTION

DATE



W020-1
2



W020-4
7

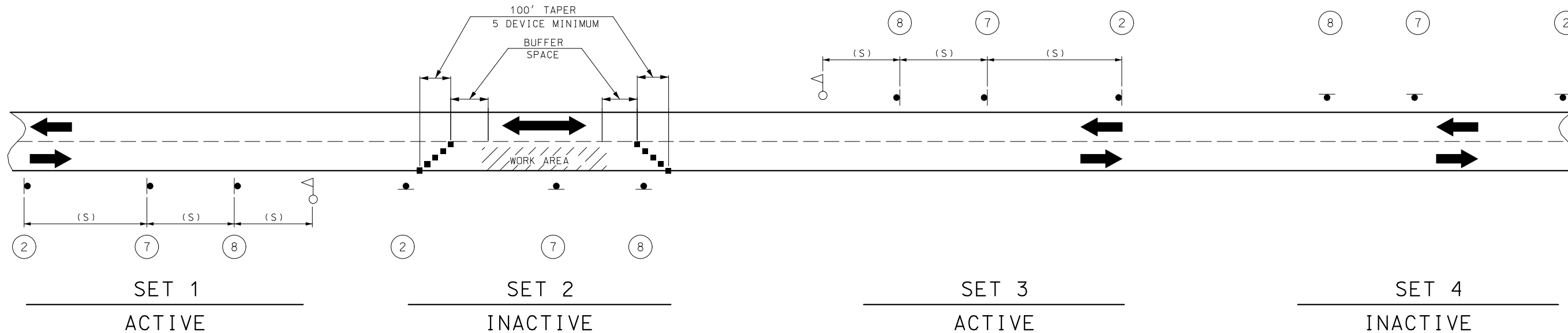


W020-7a
8



G020-4
53

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



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.

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).

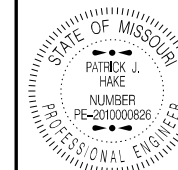
■ - CHANNELIZERS

○ - FLAGGER

SPEED	SIGN SPACING (FT) (1)	BUFFER SPACE
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	LENGTH (FT)
0-35	200	250
40-45	350	360
50-55	500	495
60-70	1000	730

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

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.



DATE PREPARED
8/7/2024

ROUTE STATE
OR 70 MO

DISTRICT SHEET NO.
CD 5

COUNTY
BOONE

JOB NO.
JCD0054

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)



SPEED	SIGN SPACING (FT) (1)	CHANNELIZER SPACING (FT)
PERMANENT POSTED (MPH)	NON-DIVIDED HIGHWAYS (S)	BUFFER/WORK AREA (TYP.)
0-35	200	40
40-45	350	80
50-55	500	80
60-70	1000	120

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

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

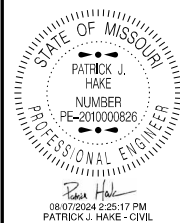
NOTES:
WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.

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

■ - CHANNELIZERS (AS SPECIFIED)

◁ - FLAGGER

NOT TO SCALE



DATE PREPARED
8/7/2024

ROUTE STATE
OR 70 MO

DISTRICT SHEET NO.
CD 6

COUNTY
BOONE

JOB NO.
JCD0054

CONTRACT ID.

PROJECT NO.

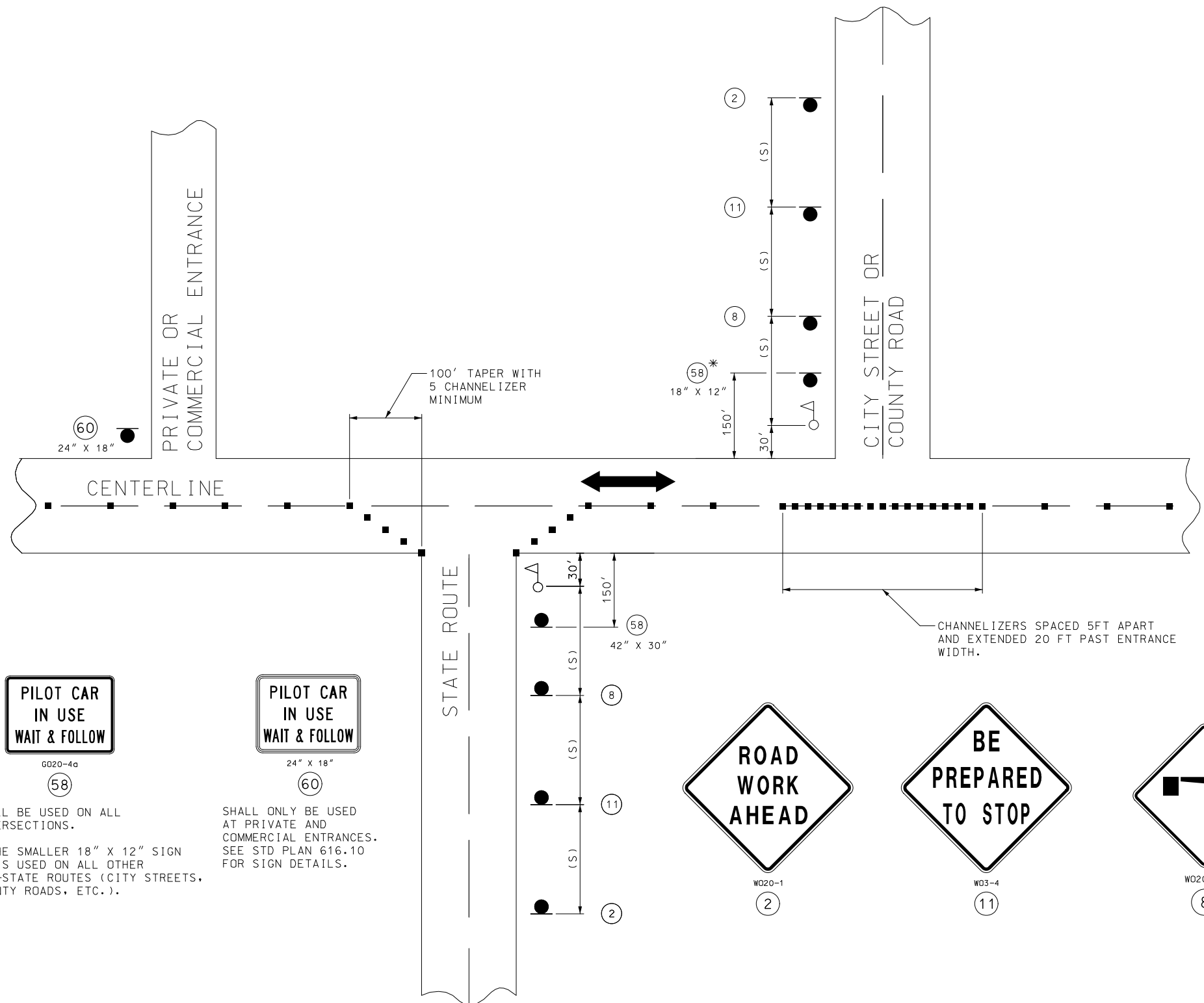
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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



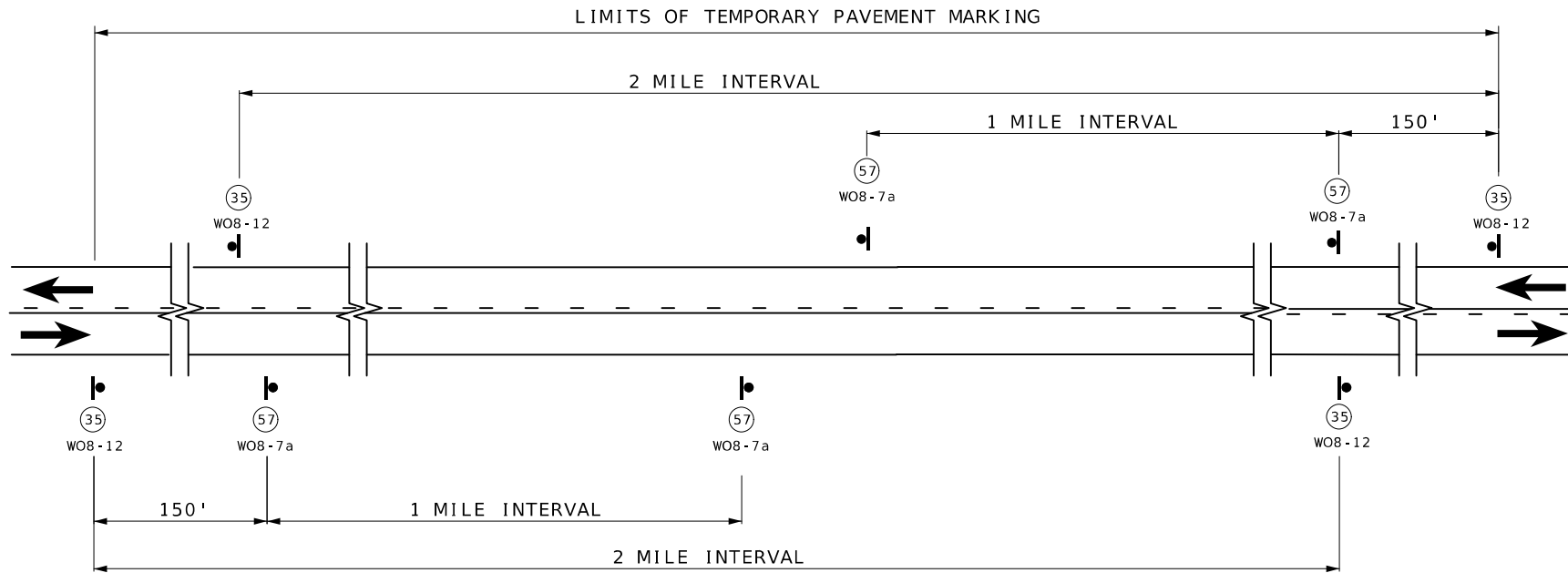
SHALL BE USED ON ALL INTERSECTIONS.

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

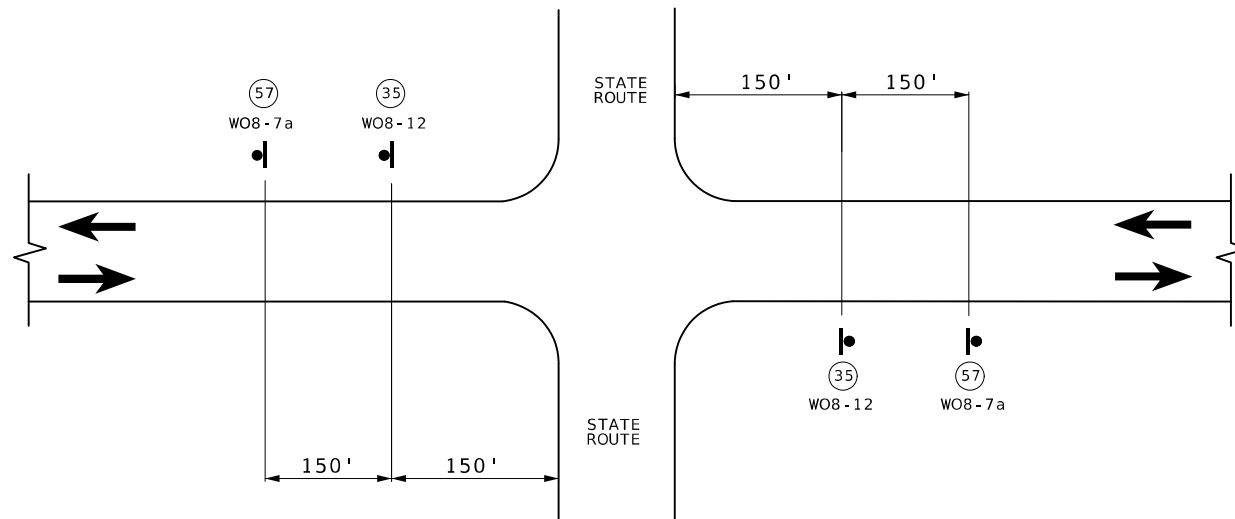
SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES. SEE STD PLAN 616.10 FOR SIGN DETAILS.

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



NOTES:

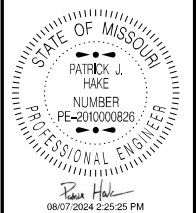
SIGN (35) AND TEMPORARY RAISED PAVEMENT MARKING (SEE STANDARD PLAN 620.10) INSTALLED WHERE CENTERLINE STRIPING HAS BEEN COVERED OR REMOVED. SIGNS ARE TO REMAIN IN PLACE UNTIL THE PERMANENT CENTERLINE PAVEMENT MARKINGS ARE IN PLACE. SIGNS SHALL BE COVERED OR REMOVED WHEN PAVEMENT CENTERLINE MARKING HAS 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.

NOT TO SCALE

TRAFFIC CONTROL SHEET 4 OF 5



DATE PREPARED
8/7/2024

ROUTE OR 70 STATE MO
DISTRICT CD SHEET NO. 7

COUNTY BOONE

JOB NO. JCD0054

CONTRACT ID.

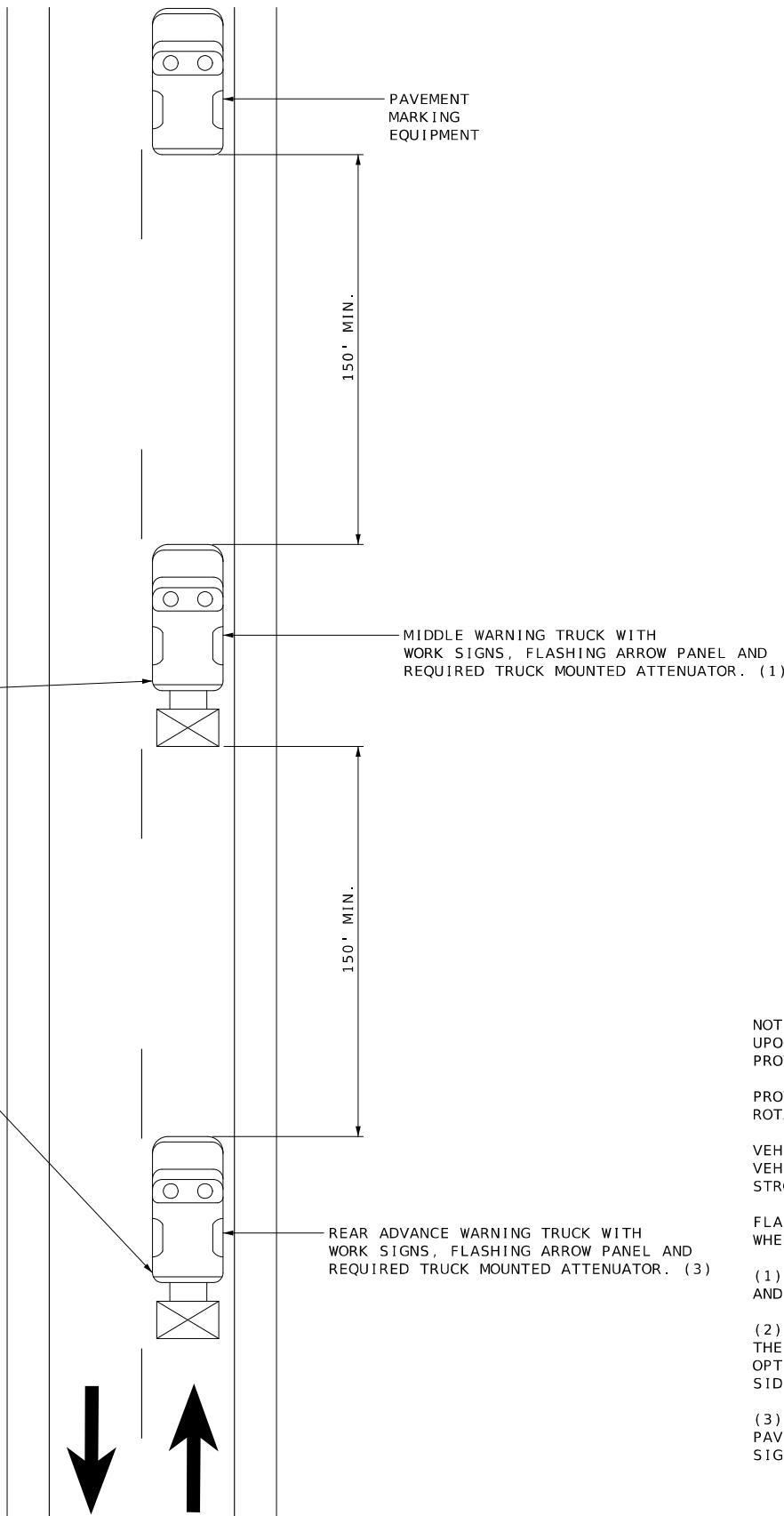
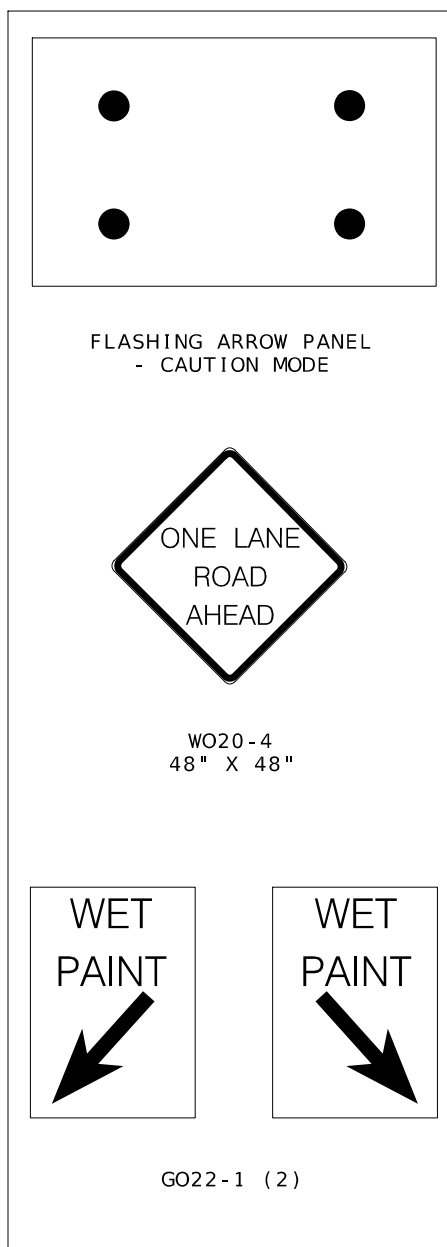
PROJECT NO.

BRIDGE NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



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 WILL 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.

STATE OF MISSOURI
 PATRICK J. HAKE
 NUMBER
 PE-201000826
 PROFESSIONAL ENGINEER

08/07/2024 2:25:39 PM
 PATRICK J. HAKE - CIVIL
 MO-PE-201000826

DATE PREPARED
 8/7/2024

ROUTE OR 70	STATE MO
DISTRICT CD	SHEET NO. 8

COUNTY
BOONE

JOB NO.
JCD0054

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