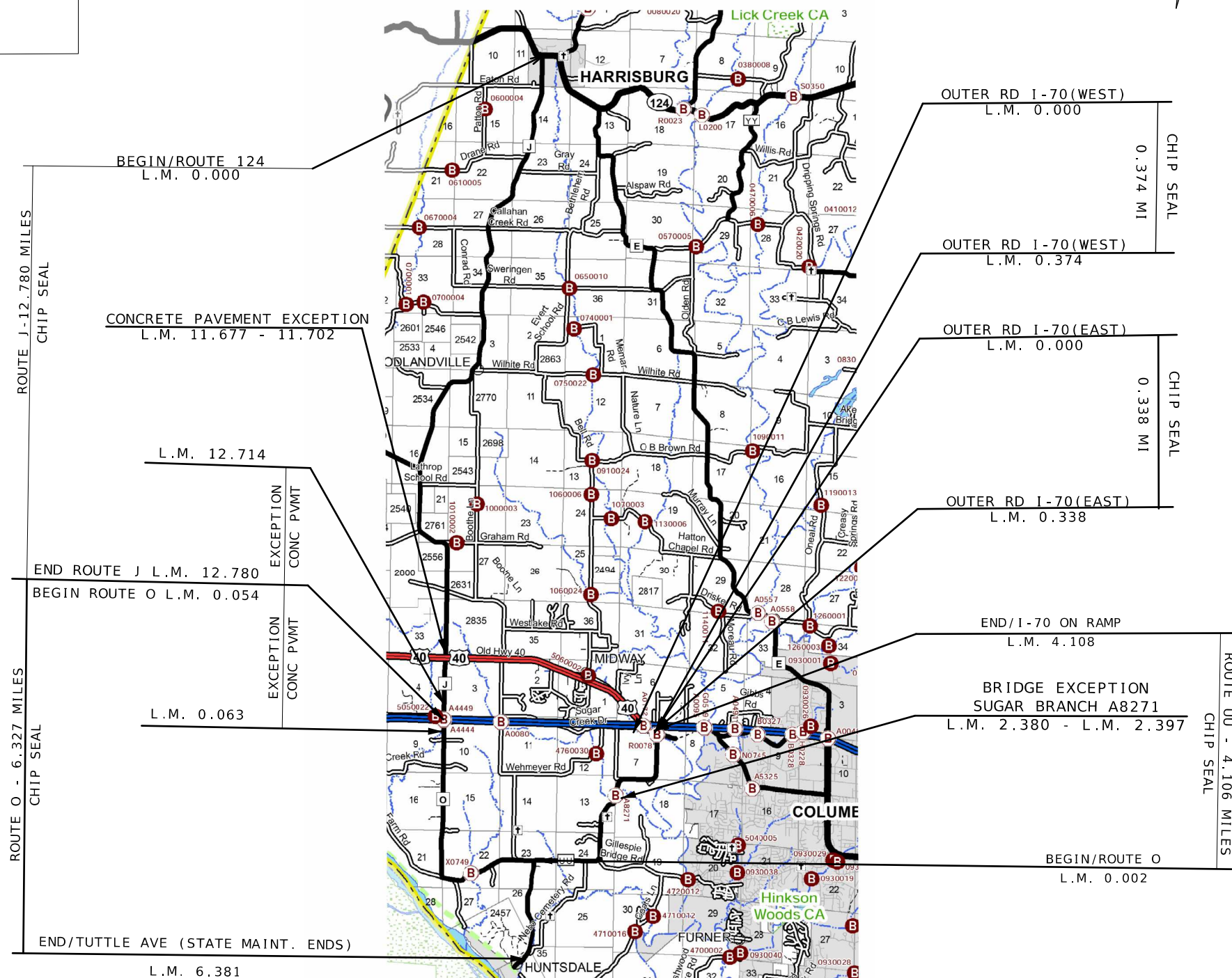


ROUTE J  
A.A.D.T. - 2023 = 2504  
V = 55 M.P.H.

ROUTE O  
A.A.D.T. - 2023 = 1374  
V = 55 M.P.H.

ROUTE UU  
A.A.D.T. - 2023 = 2014  
V = 55 M.P.H.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
PLANS FOR PROPOSED  
STATE HIGHWAY  
BOONE COUNTY



NOT TO SCALE

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

ROUTE J	
BEGINNING OF PROJECT	LM 0.000
END OF PROJECT	LM 12.780
APPARENT LENGTH	67478.40 FEET
EQUATIONS AND EXCEPTIONS:	
RTE 40 INTERSECTION	
LM 11.677-LM 11.702	-133.63 FEET
I-70 INTERCHANGE	
LM 12.714-LM 12.780	-348.48 FEET

ROUTE 0	
BEGINNING OF PROJECT	LM 0.054
END OF PROJECT	LM 6.381
APPARENT LENGTH	33406.56 FEET
EQUATIONS AND EXCEPTIONS:	
I-70 INTERCHANGE	
LM 0.054-LM 0.063	-47.52 FEET

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ROUTE UU
BEGINNING OF PROJECT                LM 0.002
END OF PROJECT                      LM 4.108

APPARENT LENGTH                    21679.68 FEET

EQUATIONS AND EXCEPTIONS:
BRIDGE A8271
LM 2.380-LM 2.397                  -89.76 FEET

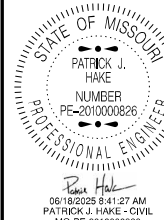
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OUTER RD/1-70(WEST)	
BEGINNING OF PROJECT	LM 0.000
END OF PROJECT	LM 0.374
APPARENT LENGTH	1974.72 FEET
EQUATION AND EXCEPTION:	NONE

OUTER RD/1-70(EAST)	
BEGINNING OF PROJECT	LM 0.000
END OF PROJECT	LM 0.338
APPARENT LENGTH	1784.64 FEET
EQUATION AND EXCEPTION:	NONE

TOTAL CORRECTIONS	619.39 FEET
NET LENGTH OF PROJECT	125704.61 FT
STATE LENGTH	23.808 MI


FOR INFORMATION ONLY  
ESTIMATED DISTURBED ACRES 0 ACRES



MCHPE2010000826	
DATE PREPARED	
6/18/2025	
ROUTE	STATE
VAR	MO
DISTRICT	SHEET #
CD	1
COUNTY	
BOONE	
JOB NO.	
JCD0196	
CONTRACT ID.	
PROJECT NO.	

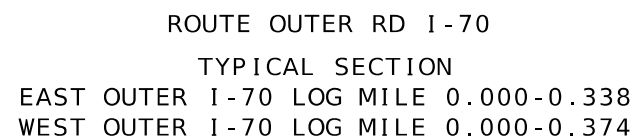
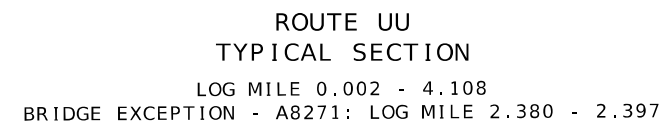
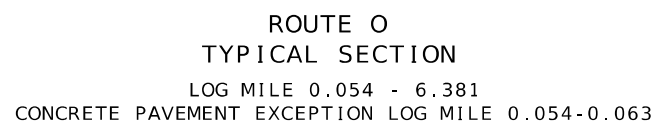
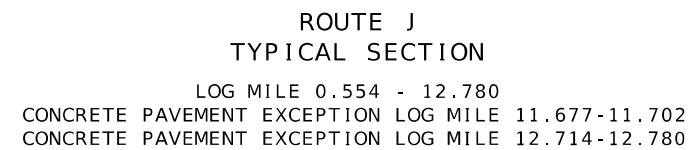
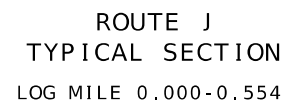
BRIDGE NO.

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



KEY MAP   
LOCATION OF BOONE COUNTY



TYPICAL SECTION  
SHEET 1 OF 1



TEMPORARY TRAFFIC CONTROL						
SIGN NO.	SIGN	SIZE	AREA SF	QUANTITY EA	TOTAL AREA SF	DESCRIPTION
CONSTRUCTION SIGNS						
1	G020-1	60X22	10.00	2	20	ROAD WORK NEXT 13 MILES - RTE J
1	G020-0	60X23	10.00	2	20	ROAD WORK NEXT 6 MILES - RTE O
1	G020-1	60X24	10.00	2	20	ROAD WORK NEXT 4 MILES - RTE UU
2	W020-1	48X48	16.00	12	192	ROAD WORK AHEAD
7	W020-4	48X48	16.00	5	80	ONE LANE ROAD AHEAD
8	W020-7a	48X48	16.00	10	160	FLAGGER SYMBOL (WITH FLAGS)
11	W03-4	48X48	16.00	8	128	BE PREPARED TO STOP
26	G020-2	48X24	8.00	6	48	END ROAD WORK
35	W08-12	48X48	16.00	28	448	NO CENTER LINE
53	G020-4	36X18	4.50	1	4.5	PILOT CAR FOLLOW ME
57	W08-7a	36X36	9.00	50	450	FRESH OIL/LOOSE GRAVEL
58	G020-4a	36X18	4.50	42	189	PILOT CAR IN USE WAIT & FOLLOW
58	G020-4a	18x12	1.50	2	3	PILOT CAR IN USE WAIT & FOLLOW
59	CONST-B	48X36	12.00	6	72	WORK ZONE NO PHONE ZONE
	W022-6E	21X15	2.19	2	4.38	WET PAINT (ARROW PIVOTS)
616 - 10.05					1799	
CONSTRUCTION SIGNS TOTAL						
ADDITIONAL TRAFFIC CONTROL ITEMS						
		616-1025	302	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.

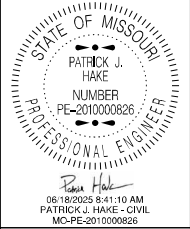
NO DIRECT PAY WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS OR DEVICES.

BITUMINOUS PAVEMENT SEAL COAT, GRADE B2								
LOG MI	LOG MI	LOCATION	LENGTH FT	RDWY WIDTH FT	AREA SF	MODIFIED SEAL COAT AGGREGATE GRADE B2 SY	EMULSIFIED ASPHALT GAL (0.28 GAL/SY)	REMARKS
0.054	0.063	ROUTE O	47.52					EXCEPTION @ 1-70 INTERCHANGE
0.063	0.124	ROUTE O	322.08	25	8052.00	894.67	250.51	
0.124	6.381	ROUTE O	33036.96	25	825924.00	91769.33	25695.41	
SUB TOTAL ROUTE O						92664	25946	

BITUMINOUS PAVEMENT SEAL COAT, GRADE B2									
LOG MI	LOG MI	LOCATION	LENGTH FT	AVERAGE RDWY WIDTH FT	AREA SF	AREA SY	MODIFIED SEAL COAT AGGREGATE GRADE B2 SY	EMULSIFIED ASPHALT GAL (0.28 GAL/SY)	REMARKS
0.000	0.015	ROUTE J	79.2	VARIES		274.01	274.01	76.72	
0.015	0.025	ROUTE J	52.8	22.50	1188.00		132.00	36.96	WIDTH VARIES 25' TO 20'
0.025	0.554	ROUTE J	2793.12	20	55862.40		6206.93	1737.94	
0.554	11.657	ROUTE J	58623.84	25	1465596.00		162844.00	45596.32	
11.657	11.677	ROUTE J	105.6	VARIES		643.71	643.71	180.24	
11.677	11.702	ROUTE J	132						EXCEPTION @ ROUTE 40
11.702	12.714	ROUTE J	5343.36	25	133584.00		14842.67	4155.95	
12.714	12.780	ROUTE J	348.48						EXCEPTION @ I-70 INTERCHANGE
SUB TOTAL ROUTE J							184943	51784	
SUB TOTAL ROUTE O							92664	25946	
SUB TOTAL ROUTE UU							61347	17177	
SUB TOTAL ROUTE OUTER 70 - WEST							4827	1352	
SUB TOTAL ROUTE OUTER 70 - EAST							4362	1221	
TOTAL							348143	97480	
USE							348143	97480	

BITUMINOUS PAVEMENT SEAL COAT, GRADE B2								
LOG MI	LOG MI	LOCATION	LENGTH FT	AVERAGE RDWY WIDTH FT	AREA SY	MODIFIED SEAL COAT AGGREGATE GRADE B2 SY	EMULSIFIED ASPHALT GAL (0.28 GAL/SY)	REMARKS
0.002	0.020	ROUTE UU	95.04	VARIES	469.07	52.12	14.59	
0.020	2.359	ROUTE UU	12349.92	25	308748	34305.33	9605.49	
2.359	2.365	ROUTE UU	31.68	26.5	839.52	93.28	26.12	WIDTH VARIES 25' TO 28'
2.365	2.380	ROUTE UU	79.20	28	2217.6	246.40	68.99	
2.380	2.397	ROUTE UU	89.50					EXCEPTIONS @ BRIDGE A8271
2.397	2.413	ROUTE UU	84.48	28	2365.44	262.83	73.59	
2.413	2.419	ROUTE UU	31.68	26.5	839.52	93.28	26.12	WIDTH VARIES 28' TO 25'
2.419	4.108	ROUTE UU	8917.92	25	222948	24772.00	6936.16	
					5259.00	584.33	163.61	
					8434.00	937.11	262.39	
SUB TOTAL ROUTE UU						61347	17177	

MOBILIZATION
1 LUMP SUM



DATE PREPARED 6/18/2025	
ROUTE VAR	STATE MO
DISTRICT CD	SHEET NO. 3
COUNTY BOONE	
JOB NO. JCD0196	
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)

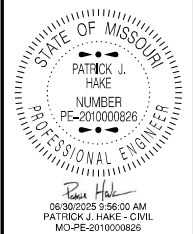
BITUMINOUS PAVEMENT SEAL COAT, GRADE B2								
LOG MI	LOG MI	LOCATION	LENGTH FT	RDWY WIDTH FT	AREA SF	MODIFIED SEAL COAT AGGREGATE GRADE B2 SY	EMULSIFIED ASPHALT GAL (0.28 GAL/SY)	REMARKS
0.000	0.338	ROUTE OUTER 70	1784.64	22	39262.08	4362.45	1221.49	ROUTE OUTER 70 - EAST
SUB TOTAL ROUTE OUTER 70 - EAST						4362	1221	

BITUMINOUS PAVEMENT SEAL COAT, GRADE B2								
LOG MI	LOG MI	LOCATION	LENGTH FT	RDWY WIDTH FT	AREA SF	MODIFIED SEAL COAT AGGREGATE GRADE B2 SY	EMULSIFIED ASPHALT GAL (0.28 GAL/SY)	REMARKS
0.000	0.374	ROUTE OUTER 70	1974.72	22	43443.84	4827.09	1351.59	ROUTE OUTER 70 - WEST
SUB TOTAL ROUTE OUTER 70 WEST						4827	1352	

PAVEMENT MARKING REMOVAL				
APPROX LOG MI	LOCATION	ITEM	QTY LF	REMARKS
0.002	ROUTE J	PREFORMED THERMOPLASTIC 24" WHITE STOP BAR	12	ROUTE J / ROUTE 124 INTERSECTION- STOP BAR
11.677	ROUTE 40	PREFORMED THERMOPLASTIC 24" WHITE STOP BAR	24	ROUTE J & ROUTE 40 INTERSECTION - STOP BARS
		TOTAL	36	
		USE	36	

PAVEMENT MARKING								
APPROX . LOG MI	APPROX . LOG MI	LOCATION	LENGTH FT	CLASS 1 PAVEMENT MARKING PAINT (18-MIL , TYPE P BEADS)			PREFORMED THERMOPLASTIC PAVEMENT MARKING	REMARKS
				4 IN. WHITE LF	4 IN. YELLOW LF	8IN WHITE LF	24 IN. WHITE	
0.002		ROUTE J				38	12.00	ROUTE J / ROUTE 124 INTERSECTION- STOP BAR AND ISLAND
0.002	12.758	ROUTE J	67351.68	134703.36	134703.36			
11.677	11.697	ROUTE J	105.60				24.00	ROUTE J & ROUTE 40 INTERSECTION - STOP BARS
0.080	6.381	ROUTE O	33269.28	66538.56	66538.56			
0.017	4.137	ROUTE UU	21753.60	43507.2	43507.20			
0.000	0.338	OUTER ROAD 70-EAST	1784.64	3569.28	3569.28			
0.000	0.374	OUTER ROAD 70-WEST	1974.72	3949.44	3949.44			
TOTAL				252267.84	252267.84	38.00	36.00	
USE				252268	252268	38	36	

NOTE: ALL PAVEMENT MARKING TO MATCH EXISTING UNLESS OTHERWISE SHOWN IN THE PLANS. LOCATE BEFORE RESURFACING.



DATE PREPARED 6/30/2025	
ROUTE VAR	STATE MO
DISTRICT CD	SHEET NO. 3
COUNTY BOONE	
JOB NO. JCD0196	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION									
DATE									

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

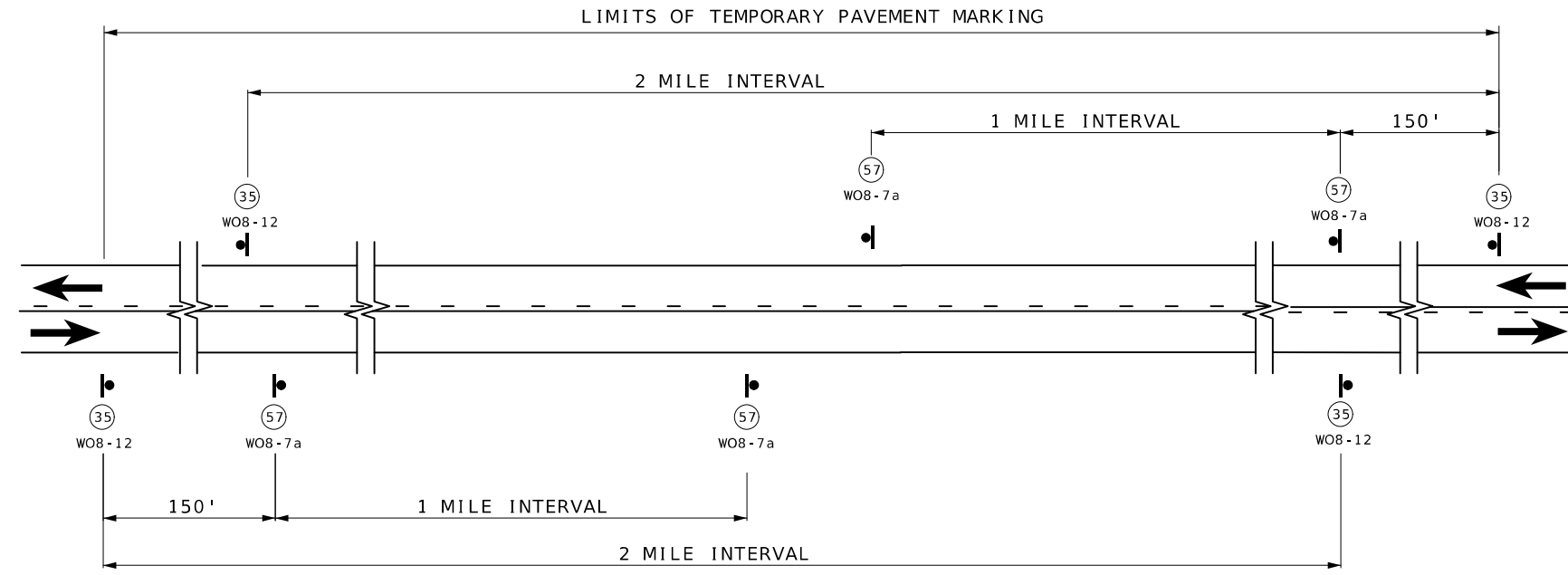


105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

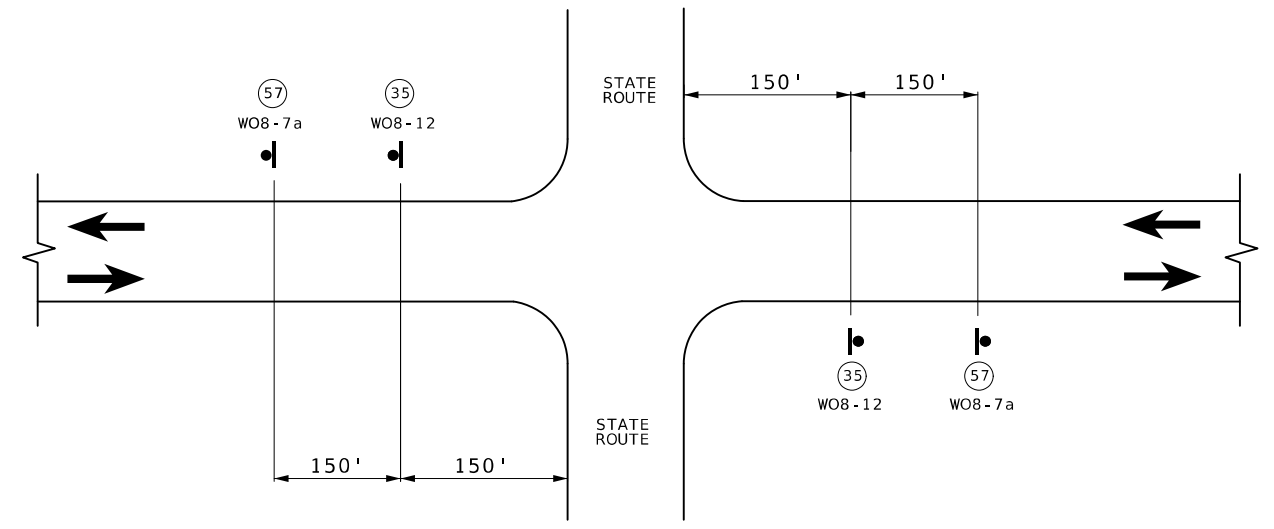
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

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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.

STATE OF MISSOURI

PATRICK J. HAKE

NUMBER

PE-2010000826

PROFESSIONAL ENGINEER

DATE PREPARED

6/18/2025

ROUTE

VAR

STATE

MO

DISTRICT

CD

SHEET NO.

7

COUNTY

BOONE

JOB NO.

JCD0196

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

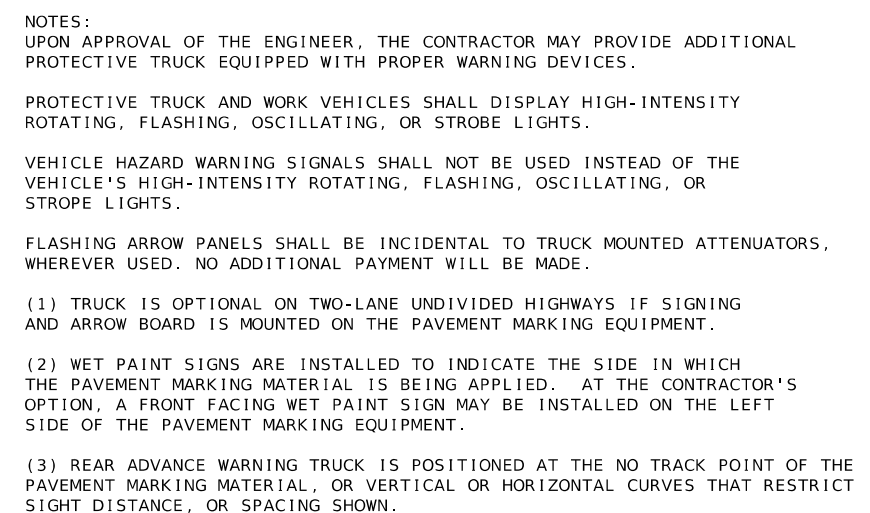
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

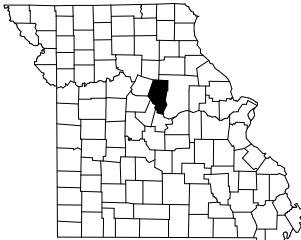
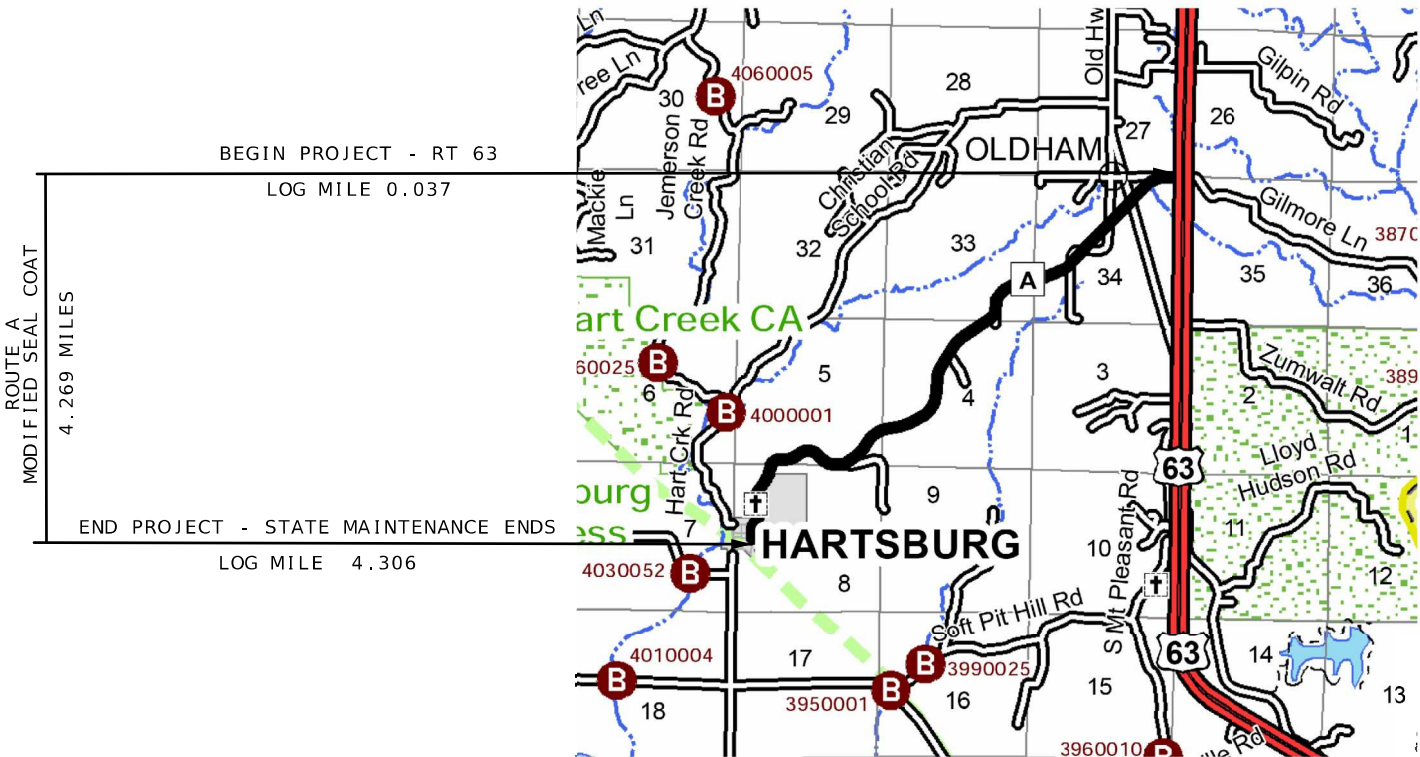


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DESIGN DESIGNATION

A.A.D.T. - 2020 = 1001  
V = 55 M.P.H.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
PLANS FOR PROPOSED  
STATE HIGHWAY  
BOONE COUNTY



KEY MAP  
LOCATION OF BOONE COUNTY

NOT TO SCALE

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  
**6/2/2025**

ROUTE <b>A</b>	STATE <b>MO</b>
DISTRICT <b>CD</b>	SHEET NO. <b>1</b>

COUNTY  
**BOONE**

JOB NO.  
**JCD0197**

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

LENGTH OF PROJECT

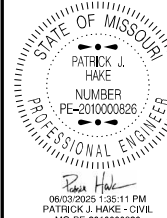
BEGINNING OF PROJECT	LOG MILES	0.037
END OF PROJECT	LOG MILES	4.306
APPARENT LENGTH	4.269	MILES
EQUATIONS AND EXCEPTIONS:		NONE

TOTAL CORRECTIONS	0.00FT
NET LENGTH OF PROJECT	22540.32 FT
STATE LENGTH	4.269 MILES

ESTIMATED DISTURBED 0.000 ACRES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED  
6/2/2025

ROUTE A STATE MO

DISTRICT CD SHEET NO. 2

COUNTY  
BOONE

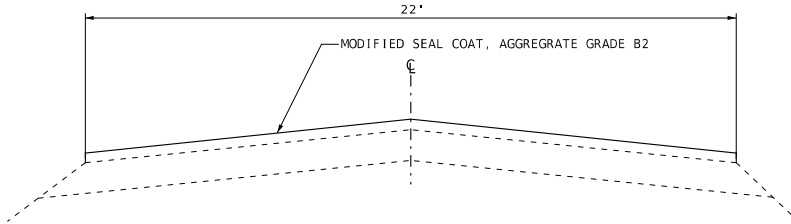
JOB NO.  
JCD0197

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

BINDER APPLICATION RATE	0.28 GAL/YD <sup>2</sup>
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TYPICAL SECTION  
ROUTE A  
LOG MILE 0.037 TO LOG MILE 4.306

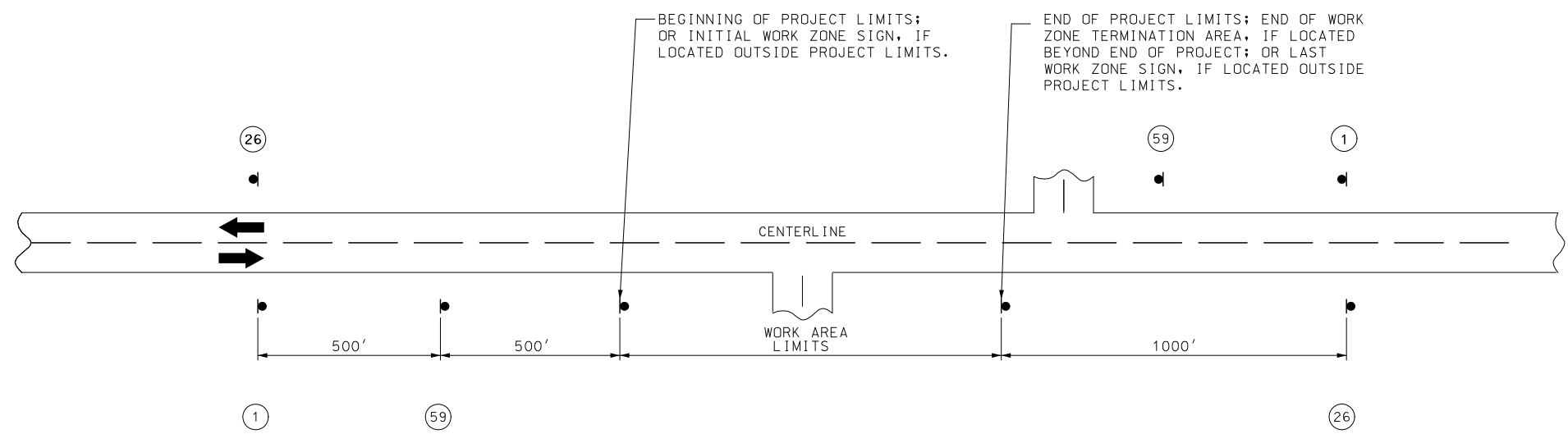
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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





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.

ROAD WORK  
NEXT 4 MILES

G020-1  
1

WORK ZONE  
NO PHONE  
ZONE

CONST-8  
59

END  
ROAD WORK

G020-2  
26

STATE OF MISSOURI  
PATRICK J. HAKE  
NUMBER  
PE-2010000826  
PROFESSIONAL ENGINEER

DATE PREPARED  
6/2/2025

ROUTE  
A

STATE  
MO

DISTRICT  
CD

SHEET NO.  
4

COUNTY  
BOONE

JOB NO.  
JCD0197

CONTRACT ID.

PROJECT NO.

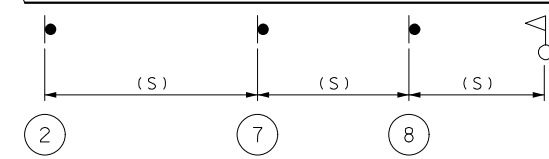
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

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

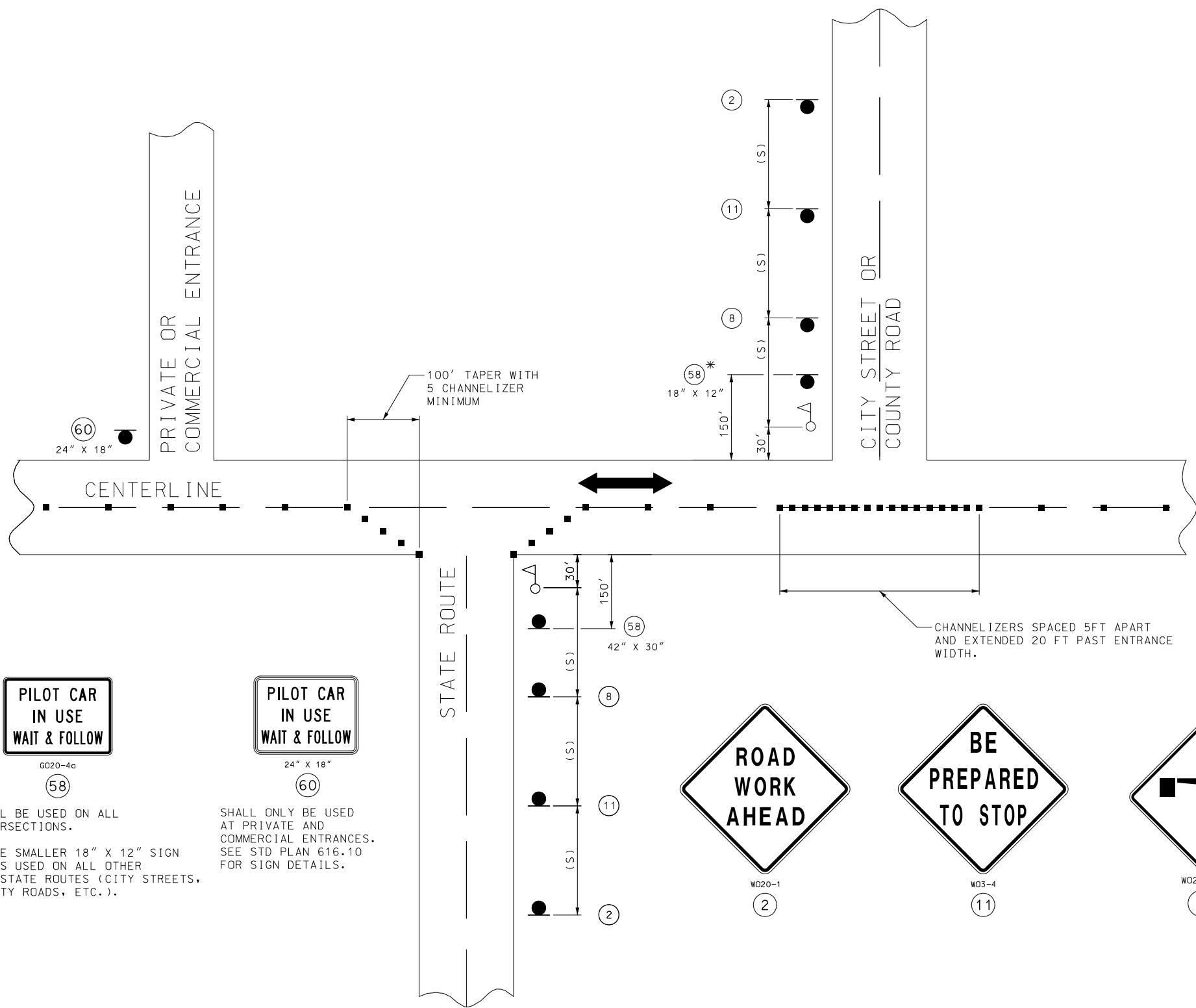
MoDOT



 - 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

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.



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

STATE OF MISSOURI

PATRICK J. HAKE

NUMBER

PE-2010000826

PROFESSIONAL ENGINEER

06/03/2025 1:35:45 PM

PATRICK J. HAKE - CIVIL

MO-PE-2010000826

DATE PREPARED

6/2/2025

ROUTE

A

STATE

MO

DISTRICT

CD

SHEET NO.

6

COUNTY

BOONE

JOB NO.

JCD0197

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





