

DESIGN DESIGNATION

A.A.D.T. - 2024 = 10148

V = 65 M.P.H.

FUNCTIONAL CLASSIFICATION- FREEWAY/EXPRESSWAY

FUNCTIONAL CLASSIFICATION- FREEWAY/EXPRESSWAY

NO NEW R/W REQUIRED

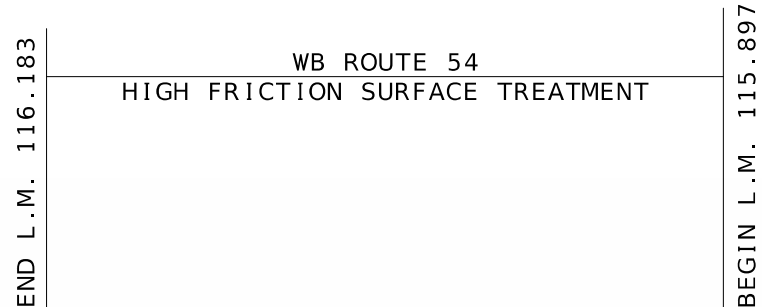
CONVENTIONAL SYMBOLS		(USED IN PLANS)	
	EXISTING	NEW	
BUILDINGS AND STRUCTURES			
GUARD RAIL			
GUARD CABLE			
CONCRETE RIGHT-OF-WAY MARKER			
STEEL RIGHT-OF-WAY MARKER			
LOCATION SURVEY MARKER			
UTILITIES			
FIBER OPTICS	- FO -	- FO -	
OVERHEAD CABLE TV	- OTV -	- OTV -	
UNDERGROUND CABLE TV	- UTUV -	- UTUV -	
OVERHEAD TELEPHONE	- OT -	- OT -	
UNDERGROUND TELEPHONE	- UT -	- UT -	
OVERHEAD POWER	- OE -	- OE -	
UNDERGROUND POWER	- UE -	- UE -	
SANITARY SEWER	- S -	- S -	
STORM SEWER	- SS -	- SS -	
GAS	- G -	- G -	
WATER	- W -	- W -	
MANHOLE			
FIRE HYDRANT			
WATER VALVE			
WATER METER			
DROP INLET			
DITCH BLOCK			
GROUND MOUNTED SIGN			
LIGHT POLE			
H-FRAME POWER POLE			
TELEPHONE PEDESTAL			
FENCE			
CHAIN LINK			
WOVEN WIRE			
GATE POST			
BENCHMARK			

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

COLE COUNTY



THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

INDEX OF SHEETS

DESCRIPTION

SHEET NUMBER

TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (1 SHEET)--	2
QUANTITIES (QU) (2 SHEETS)-----	3
SPECIAL SHEETS (SS)-----	4
TRAFFIC CONTROL SHEETS (TC)-----	5-9

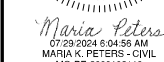
								
DATE PREPARED 7/25/2024								
ROUTE 54	STATE MO							
DISTRICT CD	SHEET NO. 1							
COUNTY COLE								
JOB NO. JCD0220								
CONTRACT ID.								
PROJECT NO.								
BRIDGE NO.								
DATE	DESCRIPTION							
TRANSPORTATION		105 WEST CAPITOL SON CITY, MO 65102 T. (1-888-275-6636)						

LENGTH OF PROJECT	
BEGINNING OF PROJECT	WB L.M. 115.897
END OF PROJECT	WB L.M. 116.183
APPARENT LENGTH	1,510.08 FEET
EQUATIONS AND EXCEPTIONS:	0.00 FEET
TOTAL CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	1,510.08 FEET
STATE LENGTH	0.286 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0 ACRES

MISSOURI HIGHWAYS AND COMMISSIONS

 JEFFERSON COUNTY
 1-888-ASK-MODO

TOTAL CORRECTIONS	0.00	FEET
NET LENGTH OF PROJECT	1,510.08	FEET
STATE LENGTH	0.286	MILES
FOR INFORMATION ONLY		
ESTIMATED DISTURBED ACRES	0	ACRES



7 / 25 / 2024

DISTRICT	SHEET NO.
CD	2

COUNTY
COLE

JOB NO.
JCD0220

CONTRACT ID.

PROJECT NO.

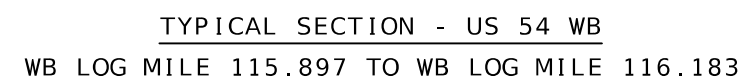
BRIDGE NO.

[illegible]

**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102



NOT TO SCALE
TYPICAL SECTION SHEET
SHEET 1 OF 1

MOBILIZATION
1 LUMP SUM

HIGH FRICTION SURFACE TREATMENT, BAUXITE						
FROM	TO	LOCATION	LENGTH (FT)	WIDTH (FT)	QUANTITY (SY)	REMARKS
115.897	116.183	54 WBL	1510.1	24.0	4026.9	
			TOTAL	=	4,026.9	
			USE	=	4,027	

PAVEMENT MARKING, HIGH BUILD WATERBORNE PAINT, TYPE L BEADS				
FROM	TO	LOCATION	WHITE INT. 10' / 30' (FT)	REMARKS
115.897	116.183	54 WB	378	CENTERLINE STRIPE
		TOTAL	378	
		USE	378	

PAVEMENT MARKING REMOVAL				
FROM	TO	LOCATION	INT. 10' / 30' (FT)	REMARKS
115.897	116.183	54 WB	378	CENTERLINE STRIPE
		TOTAL	378	
		USE	378	

STATE OF MISSOURI

MARIA K. PETERS

NUMBER
PE-2000162118

PROFESSIONAL ENGINEER

Maria Peters

07/25/2024 6:05:28 AM

MARIA K. PETERS - CIVIL

MO-PE-2000162118

DATE PREPARED

7/25/2024

ROUTE

54

STATE

MO

DISTRICT

CD

SHEET NO.

3

COUNTY

COLE

JOB NO.

JCD0220

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

SUMMARY OF QUANTITIES
SHEET 1 OF 2

EFFECTIVE: 07-01-2024															
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN								
SIGN	IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NUM.								
WARNING SIGNS								DESCRIPTION							
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)							
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)							
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)							
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)							
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)							
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)							
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)							
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)							
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)							
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)							
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)							
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)							
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)							
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)							
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)							
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)							
WO1-8	18X24	3.00						CHEVRON (SYMBOL)							
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)							
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)							
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)							
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)							
WO3-4	48X48	16.00						BE PREPARED TO STOP							
WO3-5	48X48	16.00						SPEED LIMIT AHEAD							
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)							
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)							
WO4-1aL	48X48	16.00	1	16			6A	MERGE (LEFT)							
WO4-1aR	48X48	16.00	1	16			6A	MERGE (RIGHT)							
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS							
WO5-3	48X48	16.00						ONE LANE BRIDGE							
WO5-5	48X48	16.00						NARROW LANES							
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)							
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)							
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)							
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)							
WO8-1	48X48	16.00						BUMP							
WO8-2	48X48	16.00						DIP							
WO8-3	48X48	16.00						PAVEMENT ENDS							
WO8-4	48X48	16.00						SOFT SHOULDER							
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)							
WO8-6	48X48	16.00						TRUCK CROSSING							
WO8-6c	48X48	16.00						TRUCK ENTRANCE							
WO8-7	36X36	9.00						LOOSE GRAVEL							
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL							
WO8-9	48X48	16.00						LOW SHOULDER							
WO8-11	48X48	16.00						UNEVEN LANES							
WO8-12	48X48	16.00						NO CENTER LINE							
WO8-15	48X48	16.00						GROOVED PAVEMENT							
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)							
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)							
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)							
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)							
WO10-1	42RND.	9.62						RAILROAD CROSSING							
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)							
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)							
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)							
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)							
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD							
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD							
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)							
WO16-2	30X24	5.00						XXX FEET (PLAQUE)							
WO16-3	30X24	5.00						X MILE (PLAQUE)							
WO20-1	48X48	16.00	5	80			2	ROAD/BRIDGE/RAMP WORK AHEAD							
WO20-2	48X48	16.00						DETOUR AHEAD							
WO20-3	48X48	16.00						ROAD CLOSED AHEAD							
WO20-4	48X48	16.00						ONE LANE ROAD AHEAD							
WO20-5	48X48	16.00	4	64			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD							
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD							
WO20-6a	48X48	16.00	2	32			6	RIGHT/CENTER/LEFT LANE CLOSED							
WO20-7a	48X48	16.00						FLAGGER (SYMBOL)							
WO21-2	36X36	9.00						FRESH OIL							
WO21-5	48X48	16.00						SHOULDER WORK / SHOULDER WORK AHEAD							
WO22-1	48X48	16.00						BLASTING ZONE AHEAD							
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE							
WO22-3	42X36	10.50						END BLASTING ZONE							
GO22-1	21X15	2.19	4	8.76			7	WET PAINT (ARROW PIVOTS)							

SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN								
SIGN	IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	NUM.								
GUIDE SIGNS								DESCRIPTION							
E05-1	36X48	12.00						GORE EXIT							
E05-2	48X36	12.00						EXIT OPEN							
E05-2a	48X36	12.00						EXIT CLOSED							
GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES							
GO20-2	48X24	8.00						END ROAD WORK							
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME							
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW							
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW							
GO20-5aP	36X24	6.00	2	12			54	WORK ZONE (PLAQUE)							
MO4-8a	24X18	3.00						END DETOUR							
MO4-9L	48X36	12.00						DETOUR (LEFT)							
MO4-9R	48X36	12.00						DETOUR (RIGHT)							
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)							
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)							
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)							
REGULATORY SIGNS															
R1-1	48X48	13.25						STOP							
R1-2	48TRI	6.93						YIELD							
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)							
R1-3P	30X12	2.50						ALL WAY (PLAQUE)							
R2-1	36X48	12.00	4	48			4&25	SPEED LIMIT 55.65							
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)							
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)							
R3-3	36X36	9.00						NO TURNS							
R3-4	48X48	16.00						NO U-TURN (SYMBOL)							
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT							
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT							
R4-1	36X48	12.00						DO NOT PASS							
R4-2	36X48	12.00						PASS WITH CARE							
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)							
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)							
R5-1	30X30	6.25						DO NOT ENTER							
R5-1a	36X24	6.00						WRONG WAY							
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)							
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)							
R6-2L	24X30	5.00						ONE WAY (LEFT)							
R6-2R	24X30	5.00						ONE WAY (RIGHT)							
R9-9	24X12	2.00						SIDEWALK CLOSED							
R9-11L	24X18	3.00						SIDEWALK CLOSED A							

STATE OF MISSOURI

MARIA K. PETERS

NUMBER

PE-2000162118

PROFESSIONAL ENGINEER

Maria Peters

07/29/2024 9:05:57 AM

MARIA K. PETERS - CIVIL

MO-PE-2000162118

DATE PREPARED

7/25/2024

ROUTE

54

STATE

MO

DISTRICT

CD

SHEET NO.

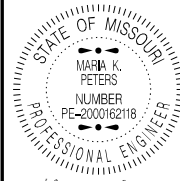
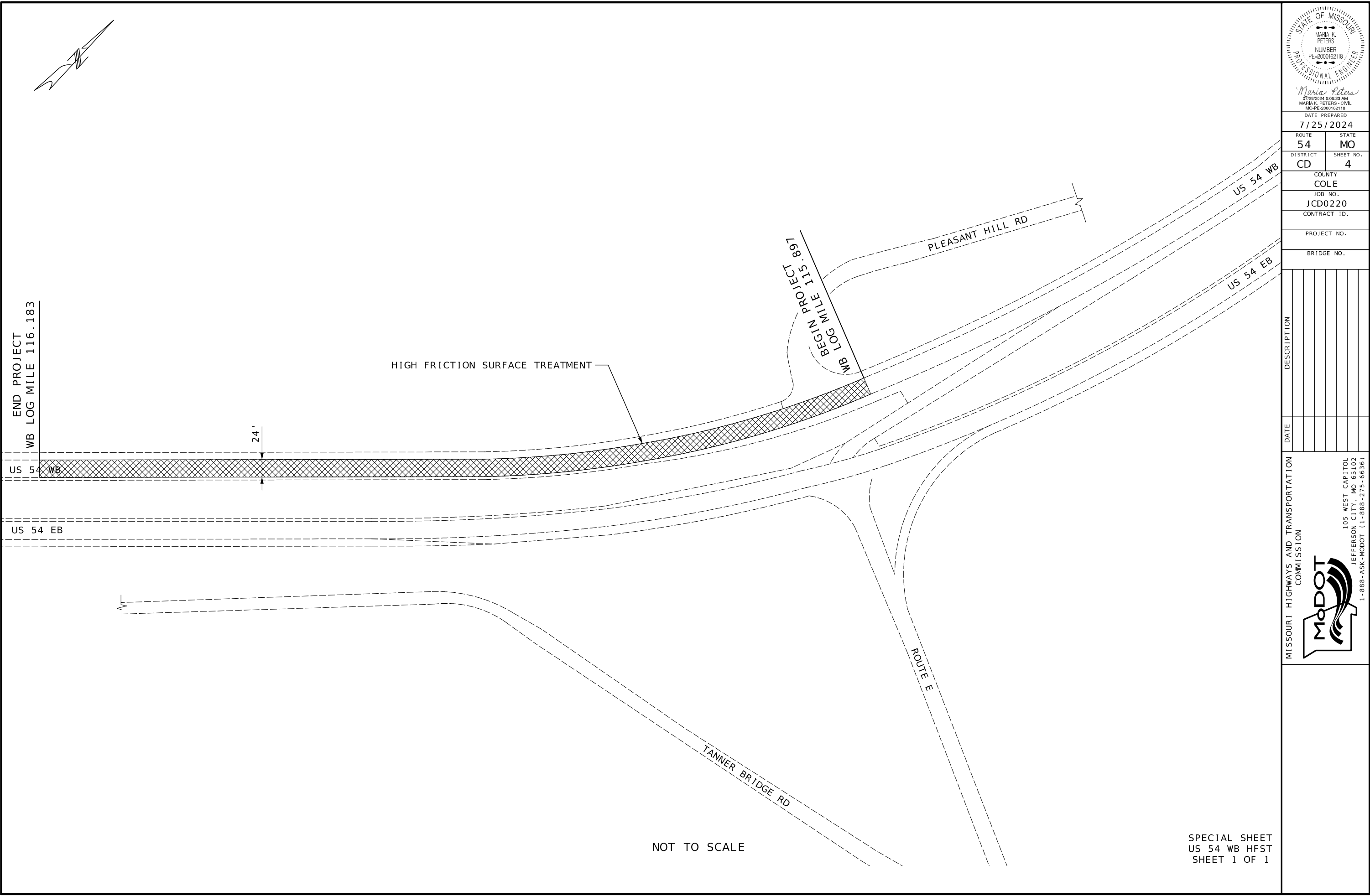
3

COUNTY

COLE

JOB NO.

JCD0220



DATE PREPARED
7/25/2024

ROUTE	STATE
54	MO
DISTRICT	SHEET NO.
CD	4

COUNTY
COLE
JOB NO.
JCD0220
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

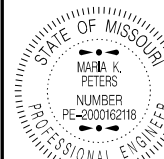
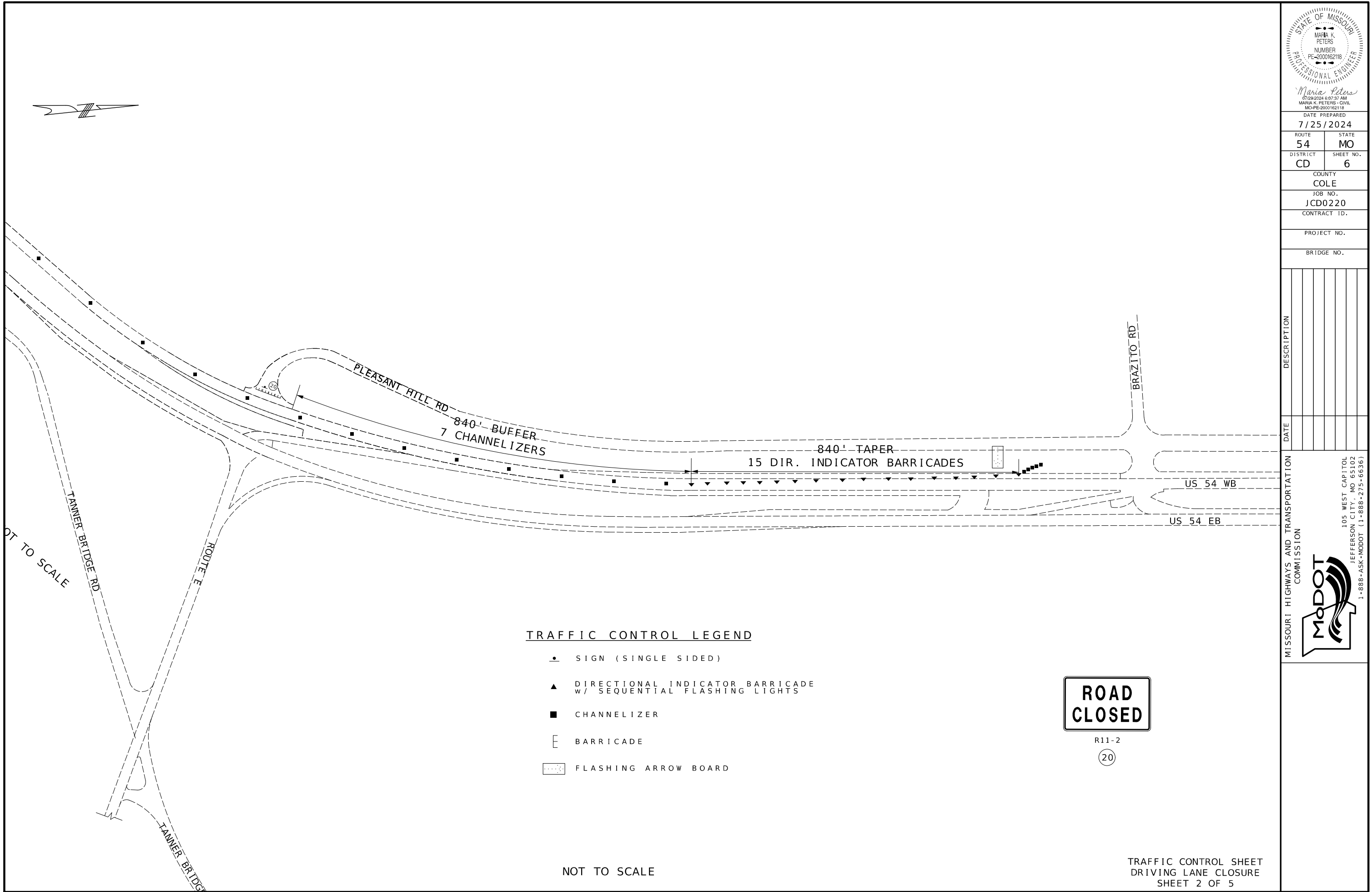
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



TEMPORARY TRAFFIC CONTROL SHEET
STATIONARY LANE CLOSURE
ON DIVIDED HIGHWAY
SHEET 1 OF 5



Maria Peters
07/29/2024 6:07:57 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED
7/25/2024

ROUTE STATE
54 MO

DISTRICT SHEET NO.
CD 6

COUNTY
COLE

JOB NO.
JCD0220

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

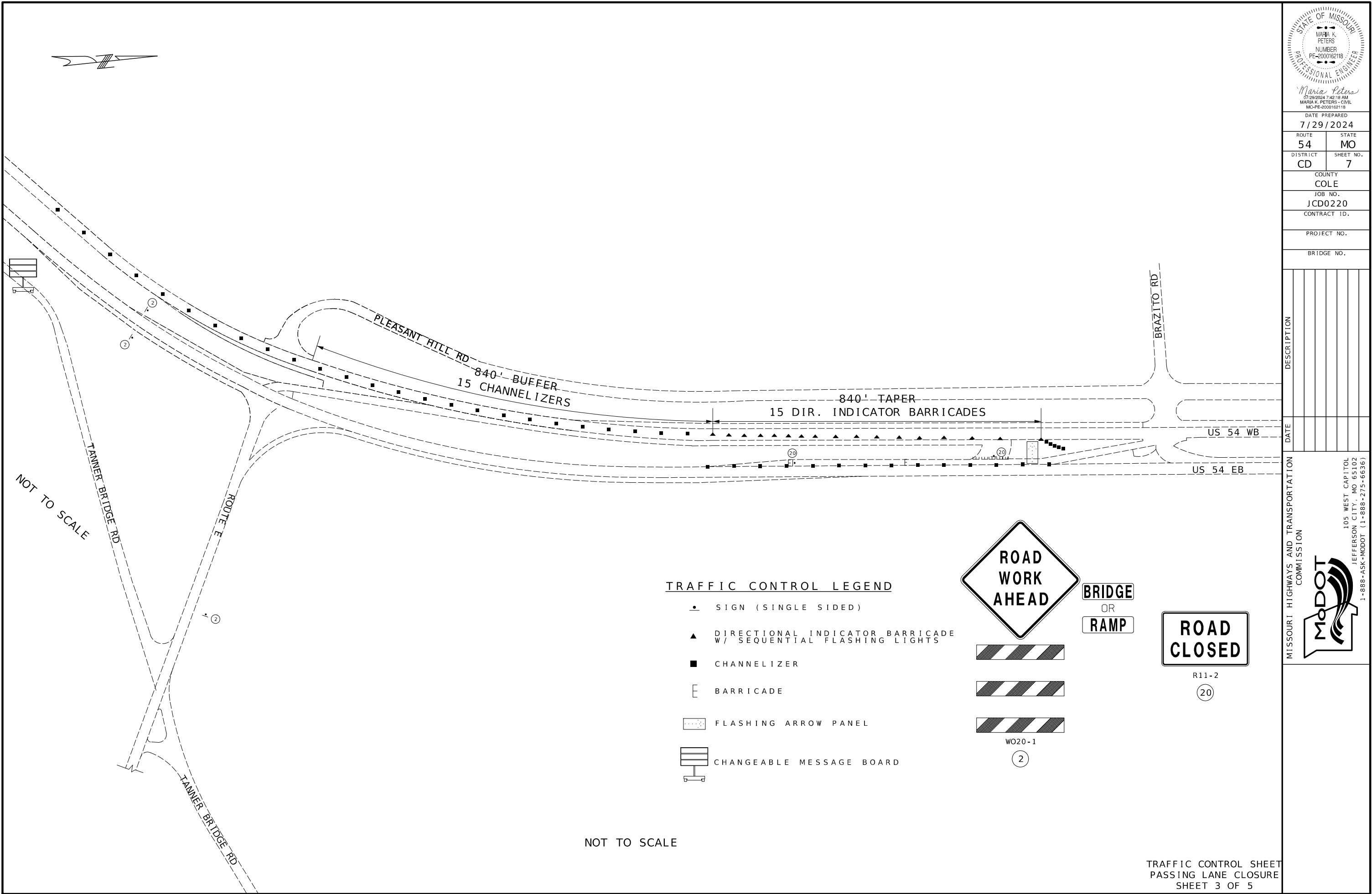
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MODOT



STATE OF MISSOURI

MARIA K. PETERS

NUMBER

PE-2000162118

PROFESSIONAL ENGINEER

Maria Peters
07/29/2024 7:42:18 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED	
7/29/2024	
ROUTE	STATE
54	MO
DISTRICT	SHEET NO.
CD	7
COUNTY	
COLE	
JOB NO.	
JCD0220	
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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
PERMANENT POSTED SPEED MPH	UNDIVIDED 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:

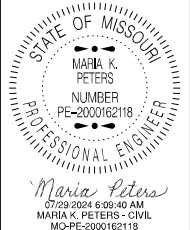
- (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
- (2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS ND VISIBILTY.
- (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER.

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10' SHOULDER (T1)	BUFFER LENGTH FT. (B)	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	400'	35'*	40'*
40-45	450'	495'	540'	150'	400'	40'*	80'*
50-55	550'	605'	660'	185'	560'	50'**	80'**
60-70	700'	770'	840'	235'	840'	60'**	120'**

* SPACING REDUCED TO 1/2 AT INTERSECTIONS.

** SPACING MAY BE REDUCED TO 1/2 AT INTERSECTIONS.

ROADWAY TYPE	SIGN HEIGHT	MAX. WORK ZONE LENGTH (L)
URBAN	1' PORTABLE 7' POST	1 MILE
RURAL DIVIDED	1' PORTABLE 7' POST	2 MILE
RURAL UNDIVIDED	1' PORTABLE 5' POST	3 MILE



DATE PREPARED 7/25/2024	
ROUTE 54	STATE MO
DISTRICT CD	SHEET NO. 9
COUNTY COLE	
JOB NO. JCD0220	
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)