## DESIGN DESIGNATION

A.A.D.T. -2024 (RT. 54) = 57,842 A.A.D.T.-2044 (RT. 54) = 67,944 D.H.V. (RT. 54) = 8.74%T (RT. 54) = 17%V (RT. 54) = 60 M.P.H.D (RT. 54) = 50% FUNCTIONAL CLASSIFICATION (RT. 54) - FREEWAY

# NO NEW R/W REQUIRED

# CONVENTIONAL SYMBOLS

BUILDINGS AND STRUCTURES GUARD RAIL	EXISTING NEW
	0000 <b>••••</b>
GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER	Ó O
UTILITIES	., .
FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	- FO - FO - OTV - OTV - OTV - OT - OT - OT - OT
MANHOLE	SAN
FIRE HYDRANT	C HYD
WATER VALVE	w^ 🕒
WATER METER	₩4
DROP INLET	° 🗖
DITCH BLOCK	=
GROUND MOUNTED SIGN	SIGN
LIGHT POLE	
H-FRAME POWER POLE	
TELEPHONE PEDESTAL FENCE CHAIN LINK WOVEN WIRE GATE POST	PED
BENCHMARK	BM 🚫

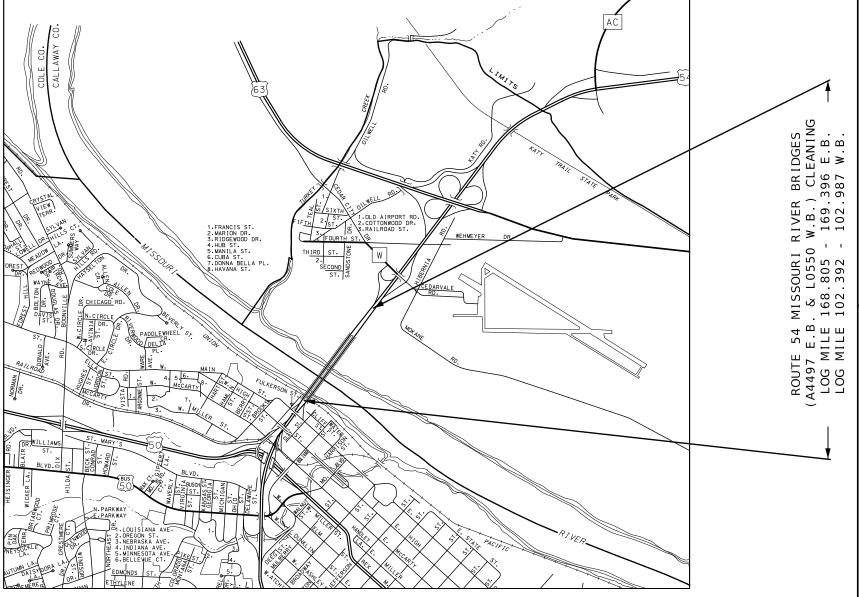
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

# MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

# PLANS FOR PROPOSED STATE HIGHWAY



# COLE AND CALLAWAY 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.

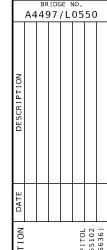
# INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)	2
QUANTITIES (QU) (1 SHEET)	3
TRAFFIC CONTROL SHEETS (TC)	4 - 16

MARI PET NUM PE-200 MARIA K. PE MARIA K. P	BER 0162118 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	REPARED
9/28	/2023
ROUTE	STATE
54/63	МО
DISTRICT	SHEET NO
CD	1
	NTY
COLE / CA	ALLAWA
JOB	NO.

CONTRACT ID

PROJECT NO.



## LENGTH OF PROJECT

# ROUTE 54 EASTBOUND

BEGINNING OF PROJECT LOG MILE 168.805 END OF PROJECT LOG MILE 169.396

APPARENT LENGTH EQUATIONS AND EXCEPTIONS:

3120.48 FEET

0 ACRES

### ROUTE 54 WESTBOUND

BEGINNING OF PROJECT LOG MILE 102.392 END OF PROJECT LOG MILE 102.987

APPARENT LENGTH 3141.60 FEET

EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS 0.00 FEET NET LENGTH OF PROJECT 6262.08 FEET STATE LENGTH 1.186 MILES

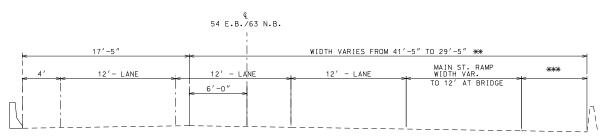
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES



NOTE: TYPICAL SECTIONS SHOWN FOR INFORMATIONAL PURPOSES AND FOR PLANNING TRAFFIC CONTROL LAYOUTS.

LOG MILES ARE APPROXIMATE.

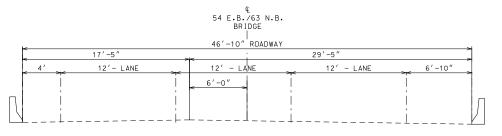
### EASTBOUND TYPICAL SECTIONS



EXISTING TYPICAL SECTION
US 54 E.B./ US 63 N.B.
LOG MILE 168.805 E.B. TO LOG MILE 168.842 E.B.

\*\*\*\* SHOULDER WIDTH VARIES TO 6'-10"
AT BRIDGE

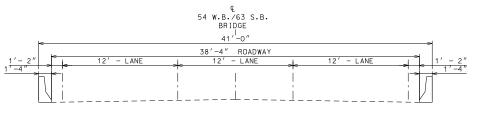
\*\* WIDTH VARIES (41'-5" TO 29'-5") ' LOG MILE 168.805 TO LOG MILE 168.842



EXISTING TYPICAL SECTION US 54 E.B./ US 63 N.B. BRIDGE A4497

LOG MILE 168.842 E.B. TO LOG MILE 169.396 E.B.

## WESTBOUND TYPICAL SECTIONS



EXISTING TYPICAL SECTION US 54 W.B./ US 63 S.B. BRIDGE LO550

LOG MILE 102.392 W.B. TO LOG MILE 102.987 W.B.

MARA K
PETERS
NUMBER
PE-2000162118

Maria Peters 09/28/2023 20:7:06 PM MARIA K, PETERS - CIVIL MO-PE-2000162118

9/28/2023

COLE / CALLAWAY

JOB NO.
J5P3451
CONTRACT ID.

PROJECT NO.

DESCRIPTION DESCRI

ISSOUR! HIGHWAYS AND TRANSPORTATION
COMMISSION
TABLE 105 WEST CAPITOL
16 WEST CAPITOL
16 WEST CAPITOL
16 WEST CAPITOL

EXISTING TYPICAL SECTIONS
TYPICAL SECTION SHEET
SHEET 1 OF 1

EFFECTIVE: 04-01-2023 DESCRIPTION Maria Peters 11/02/2023 12:13:40 PM MARIA K. PETERS - CIVIL MO-PE-2000162118 DATE PREPARED 11/1/2023 54/63 DISTRICT CD COLE / CALLAWA' A4497/L0550

MARIA K PETERS

NUMBER

PE-2000162118

J5P3451

CONTRACT ID.

PROJECT NO.

MO

SHEET NO

3

TOTAL QTY TOTAL SIGN QTY TOTAL SIGN SIZE AREA QTY AREA RELOCRELOC NUM. SIZE AREA QTY TOTAL RELOC RELOC NUM SQ.FT EACH SQ.FT EACH SQ.FT. IN. SQ.FT EACH SQ.FT. EACH SQ.FT. ITEM TOTAL WARNING SIGNS DESCRIPTION GUIDE SIGNS DESCRIPTION NUMBER WO1-1L 48X48 16.00 TURN (SYMBOL LEFT ARROW) E05-1 36X48 12.00 GORE EXIT 6122008 IMPACT ATTENUATOR 40 MPH (SAND BARRELS) WO1-1R 48X48 16.00 TURN (SYMBOL RIGHT ARROW) E05-2 48X36 12.00 49 EXIT OPEN 6122009 IMPACT ATTENUATOR 45 MPH (SAND BARRELS) WO1-2L 48X48 16.00 CURVE (SYMBOL LEFT ARROW) E05-2a 48X36 12.00 EXIT CLOSED 6122010 IMPACT ATTENUATOR 50 MPH (SAND BARRELS) WO1 - 2R | 48X48 | 16 00 GO20-1 60X24 10.00 3 ROAD WORK NEXT 2 MILES IMPACT ATTENUATOR 55 MPH (SAND BARRELS) CURVE (SYMBOL RIGHT ARROW) 20 6122012 GO20-2 48X24 8.00 WO1-3L 48X48 16.00 46A END ROAD WORK 6122014 IMPACT ATTENUATOR 60 MPH (SAND BARRELS) REVERSE TURN (SYMBOL LEFT ARROW) 4 32 WO1-3R 48X48 16.00 REVERSE TURN (SYMBOL RIGHT ARROW) GO20-4 36X18 4.50 PILOT CAR FOLLOW ME 6122017 IMPACT ATTENUATOR 65 MPH (SAND BARRELS) WO1-4L 48X48 16.00 16 15 REVERSE CURVE (SYMBOL LEFT ARROW) GO20-4a 42X30 8.75 PILOT CAR IN USE WAIT & FOLLOW 6122019 IMPACT ATTENUATOR 70 MPH (SAND BARRELS) WO1 4R 48X48 16 00 REVERSE CURVE (SYMBOL RIGHT ARROW) GO20 4a 18X12 1 50 PILOT CAR IN USE WAIT & FOLLOW 6122020 REPLACEMENT SAND BARREL WO1-4bL 48X48 16.00 DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS) GO20-5aP 36X24 6.00 WORK ZONE (PLAQUE) 6122030 IMPACT ATTENUATOR (RELOCATION) WO1-4bR 48X48 16.00 MO4-8a 24X18 3.00 DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS) 6123000A TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA) END DETOUR WO1-4cL 48X48 16.00 TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS) MO4-9L 48X36 12.00 DETOUR (LEFT ARROW) 6161008 ADVANCED WARNING RAIL SYSTEM WO1-4cR 48X48 16 00 TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS) MO4-9R 48X36 12.00 DETOUR (RIGHT ARROW) 6161012 BUOYS (BOATS KEEP OUT) MO4-9P 48X12 4.00 WO1-6 60X30 12.50 HORIZONTAL ARROW (SYMBOL) STREET NAME (PLAQUE) 6161013 BUOYS (NO WAKE) WO1-6a 72X36 18.00 MO4-10L 48X18 6.00 DETOUR (ARROW LEFT) HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE) 6161014 SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT) MO4-10R 48X18 6.00 DETOUR (ARROW RIGHT) WO1-7 | 60X30 | 12.50 DOUBLE HEAD HORIZONTAL ARROW (SYMBOL) 6161025 125 CHANNELIZER (TRIM LINE) WO1-7a 72X36 18.00 DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR. REGULATORY SIGNS 19 TYPE III MOVEABLE BARRICADE 6161030 WO1-8 18X24 3.00 48X48 13.25 45 DIRECTION INDICATOR BARRICADE CHEVRON (SYMBOL) R1-1 STOP 6161033 WO1-8a | 30X36 | 7.50 CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS) R1-2 48TRI 6.93 YIFID 6161040 3 | FLASHING ARROW PANEL WO3 - 1 48X48 16.00 STOP AHEAD (SYMBOL) R1-2a 36X36 9.00 TO ONCOMING TRAFFIC (PLAQUE) 6161047 TYPE III OBJECT MARKER WO3-2 48X48 16.00 YIELD AHEAD (SYMBOL R1-3P 30X12 2.50 ALL WAY (PLAQUE) 6161055 45 SEQUENTIAL FLASHING WARNING LIGHT WO3-3 48X48 16.00 SIGNAL AHEAD (SYMBOL) R2-1 36X48 12.00 48 4 SPEED LIMIT 45 TUBULAR MARKER 6161070 WO3-4 48X48 16.00 R3-1 48X48 16.00 NO RIGHT TURN (SYMBOL) RADAR SPEED ADVISORY SYSTEM BE PREPARED TO STOP 6161095 WO3-5 48X48 16.00 SPEED LIMIT AHEAD R3-2 48X48 16.00 NO LEFT TURN (SYMBOL) CHANGEABLE MESSAGE SIGN 36X36 9.00 WO4-1L 48X48 16.00 MERGE (SYMBOL FROM LEFT) R3-3 NO TURNS 6161096 COMMISSION FURNISHED/RETAINED 48X48 16.00 WO4 - 1R | 48X48 | 16 .00 R3-4 CHANGEABLE MESSAGE SIGN W/O COMM MERGE (SYMBOL FROM RIGHT) NO U-TURN (SYMBOL) WO4-1aL 48X48 16 00 30X30 6.25 MERGE (ARROW SYMBOL) R3-7L LEFT LANE MUST TURN LEFT 61610984 INTERFACE - CONTRACTOR FURNISHED/RETAINED WO4-1aR 48X48 16.00 1 R3-7R 30X30 6.25 16 6R MERGE (ARROW SYMBOL) RIGHT LANE MUST TURN RIGHT CHANGEABLE MESSAGE SIGN WITH COMM WO5-1 48X48 16.00 ROAD/BRIDGE/RAMP NARROWS R4-1 36X48 12.00 DO NOT PASS 6161099 INTERFACE - CONTRACTOR FURNISHED/RETAINED WO5 - 3 48X48 16 00 ONE LANE BRIDGE R4-2 36X48 12.00 PASS WITH CARE 162000A WORK ZONE TRAFFIC SIGNAL SYSTEM R4-8a WO5 - 5 48X48 16.00 NARROW LANES 36X48 12.00 KEEP LEFT (HORIZONTAL ARROW) 6162002 TEMPORARY LONG-TERM RUMBLE STRIPS WO6-1 48X48 16 00 DIVIDED HIGHWAY (SYMBOL R4-7a 36X48 12.00 KEEP RIGHT (HORIZONTAL ARROW) TEMPORARY TRAFFIC BARRIER 6173600D CONTRACTOR FURNISHED/RETAINED WO6-2 48X48 16.00 30X30 6.25 DIVIDED HIGHWAY END (SYMBOL R5-1 DO NOT ENTER WO6-3 48X48 16.00 TWO WAY TRAFFIC (SYMBOL) R5-1a 36X24 6.00 WRONG WAY TEMPORARY TRAFFIC BARRIER WO7-3a 30X24 5.00 NEXT XX MILES (PLAQUE) R6-1L 54X18 6.75 ONE WAY ARROW (LEFT) CONTRACTOR FURNISHED/COMMISSION RETAINED 6174000A TEMP. TRAFFIC BARRIER HEIGHT TRANSITION WO8-1 | 48X48 | 16.00 BUMP R6-1R 54X18 6.75 ONE WAY ARROW (RIGHT) WO8 - 2 48X48 16.00 R6-2L 24X30 5.00 ONE WAY (LEFT) 6175010A RELOCATING TEMPORARY TRAFFIC BARRIER WO8-3 48X48 16.00 R6-2R 24X30 5.00 PAVEMENT ENDS ONE WAY (RIGHT TEMPORARY TRAFFIC BARRIER WO8-4 48X48 16.00 SOFT SHOULDER R9-9 24X12 2.00 70 | SIDEWALK CLOSED 6176000B COMMISSION FURNISHED/RETAINED WO8-5 48X48 16.00 TEMP. TRAFFIC BARRIER HEIGHT TRANSITION SLIPPERY WHEN WET (SYMBOL SIDEWALK CLOSED AHEAD R9-11L | 24X18 | 3.00 WO8-6 | 48X48 | 16.00 TRUCK CROSSING (WITH FLAGS) (ARROW LEFT) CROSS HERE 6177000B COMMISSION FURNISHED/RETAINED WO8-6c 48X48 16.00 TRUCK ENTRANCE SIDEWALK CLOSED AHEAD, 6208064A TEMPORARY RAISED PAVEMENT MARKER R9-11R |24X18| 3.00 WO8-7 36X36 9 00 LOOSE GRAVEL (ARROW RIGHT) CROSS HERE 9029400 TEMPORARY TRAFFIC SIGNALS WO8-7a 36X36 9.00 FRESH OIL/LOOSE GRAVEL R10-6 24X36 6.00 STOP HERE ON RED (45^ ARROW) 902940 TEMPORARY TRAFFIC SIGNALS AND LIGHTING WO8-9 48X48 16.00 R11-2 48X30 10.00 LOW SHOULDER 4 40 29 ROAD CLOSED WO8-11 48X48 16.00 UNEVEN LANES ROAD CLOSED XX MILES AHEAD WO8-12 48X48 16.00 NO CENTER LINE R11-3a | 60X30 | 12.50 LOCAL TRAFFIC ONLY R11-4 60X30 12.50 WO8-15 48X48 16.00 2 DETECTABLE PEDESTRIAN BARRICADE ROAD CLOSED TO THRU TRAFFIC 6169902 GROOVED PAVEMENT WO8-15P 30X24 5 00 MOTORCYCLE (PLAQUE) CONST-3A 60X48 20 00 FINE SIGN CONST-3X 56X12 4.67 SPEEDING/PASSING (PLATE) WO8-17 48X48 16 00 SHOULDER DROP-OFF (SYMBOL WO8-17P 30X24 5.00 SHOULDER DROP-OFF (PLAQUE) MISCELLANEOUS SIGNS W10-1 42RND 9.62 RAILROAD CROSSING CONST-5 48X36 12 00 POINT OF PRESENCE WO12-1 24X24 4.00 DOUBLE DOWN ARROW (SYMBOL) CONST-5 |96X48|32.00| 64 70 POINT OF PRESENCE WO12-2 48X48 16.00 LOW CLEARANCE (SYMBOL) CONST-7 48X24 8.00 RATE OUR WORK ZONE W012-2X 24X18 3.00 CONST-7 72X36 18.00 56 RATE OUR WORK ZONE LOW CLEARANCE (PLAQUE) 36 MOBILIZATION WO12-2a 84X24 14.00 OVERHEAD LOW CLEARANCE (FEET AND INCHES) CONST-8 | 48X36 | 12.00 | 4 60 WORK ZONE NO PHONE ZONE 1 LUMP SUM 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 1 6.25 15A ADVISORY SPEED (PLAQUE)

616-10.05

616-10.10 RELOCATED SIGNS

CONSTRUCTION SIGNS 559

WO16-2 | 30X24 | 5.00

WO16-3 30X24 5.00

| WO20-2 | 48X48 | 16.00 |

WO20-3 48X48 16.00

WO20-4 48X48 16.00

WO20-5 48X48 16.00

WO20-5a 48X48 16.00

WO20-6a 48X48 16.00

WO20-7a 48X48 16.00

WO21-2 36X36 9.00

WO21-5 48X48 16.00

WO22-1 48X48 16.00

WO22-2 42X36 10.50

WO22-3 42X36 10.50

GO22-1 21X15 2.19

WO20-1 48X48 16.00 4

64

48

XXX FEET (PLAQUE)

ROAD CLOSED AHEAD

ONE LANE ROAD AHEAD

BLASTING ZONE AHEAD

WET PAINT (ARROW PIVOTS)

END BLASTING ZONE

2 ROAD/BRIDGE/RAMP WORK AHEAD

6 RIGHT/CENTER/LEFT LANE CLOSED

FLAGGER (SYMBOL, WITH FLAGS)

TURN OFF 2-WAY RADIO AND PHONE

5 RIGHT/CENTER/LEFT LANE CLOSED AHEAD

2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD

X MILE (PLAQUE)

DETOUR AHEAD

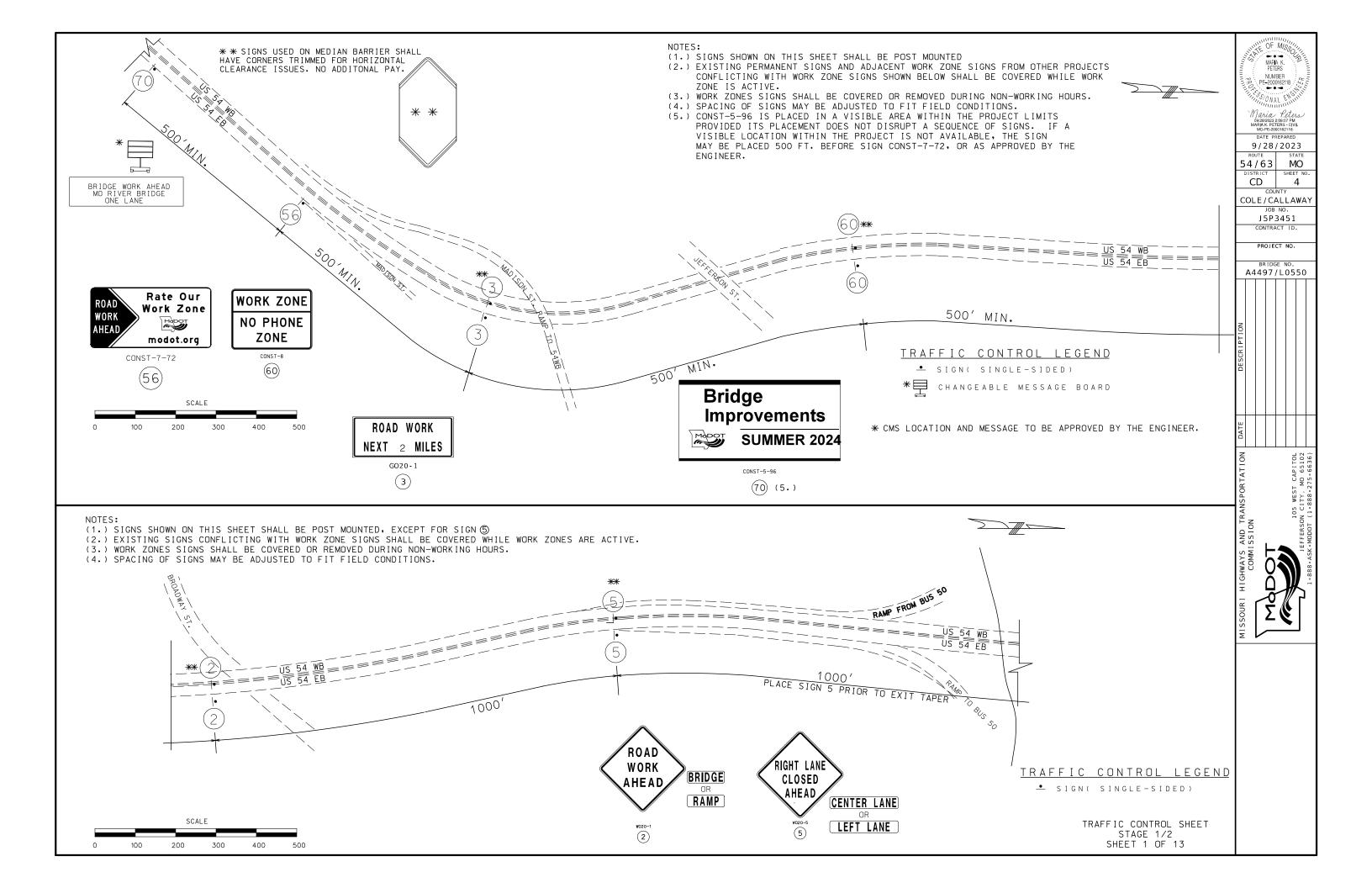
FRESH OIL

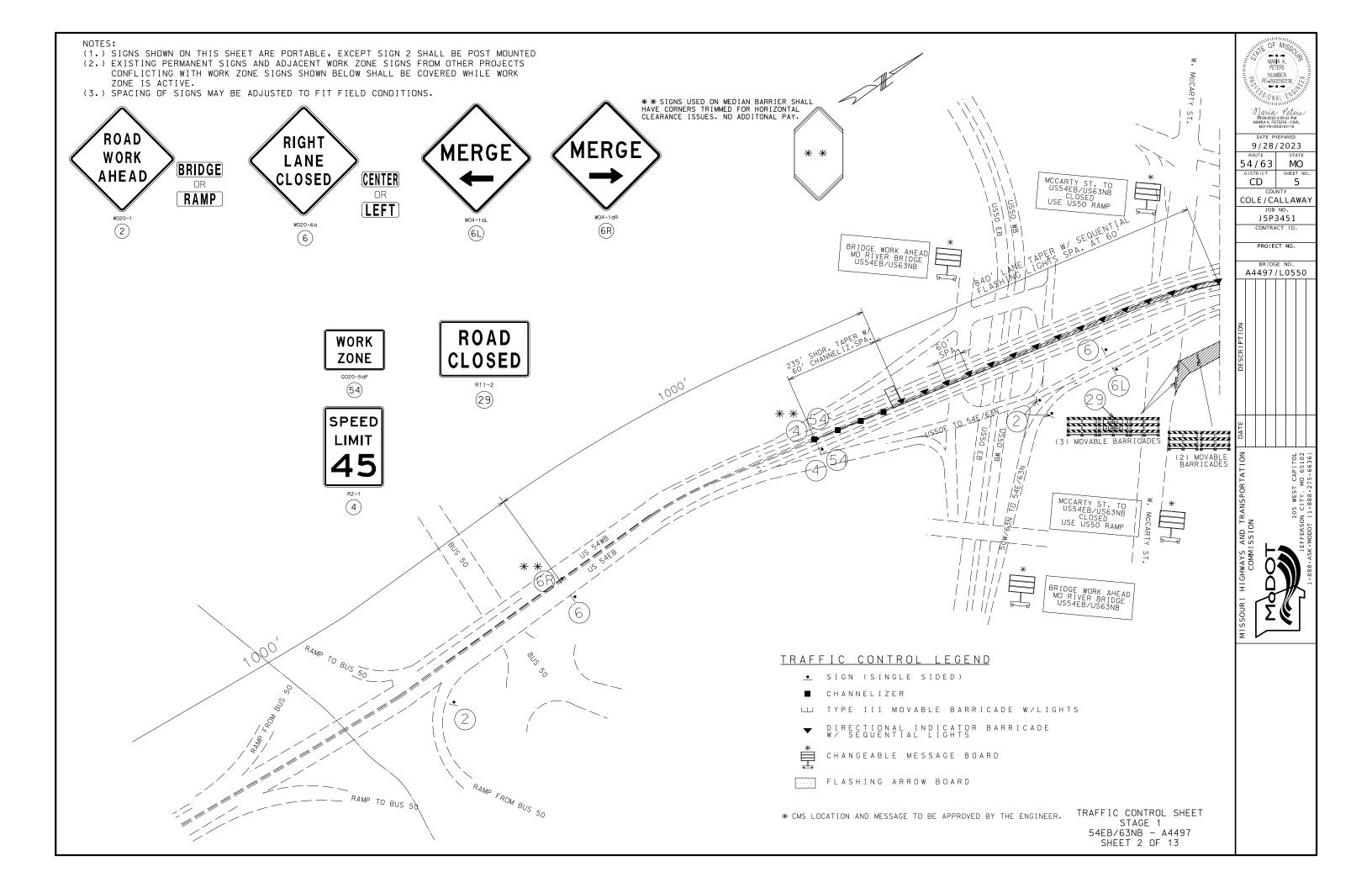
BRIDGE WASHING BMPS 1 LUMP SUM

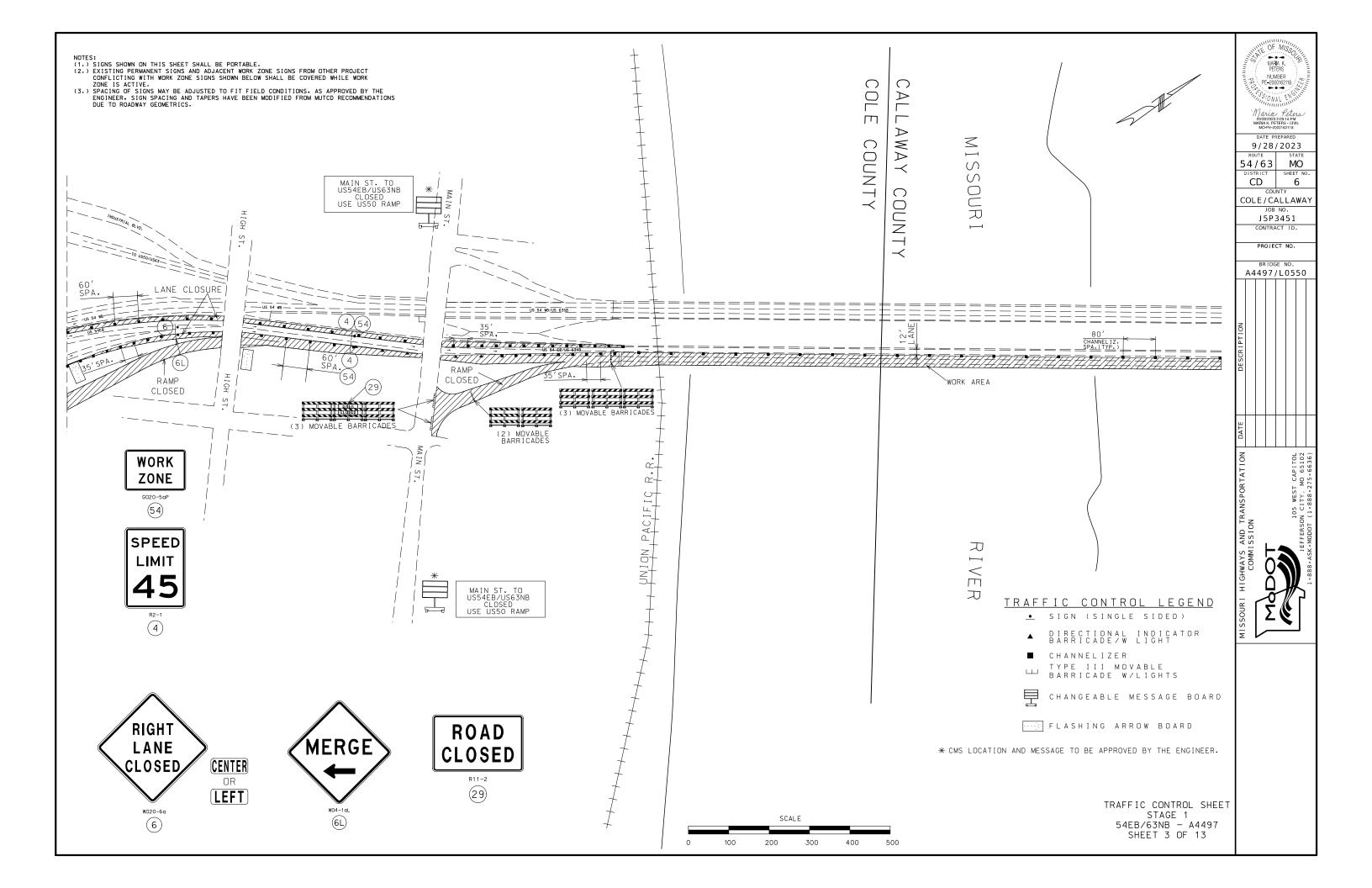
MISC. (BRIDGE WASHING - BR. A4497 - EB US54 & BR. L0550 - WB US54) 1 LUMP SUM

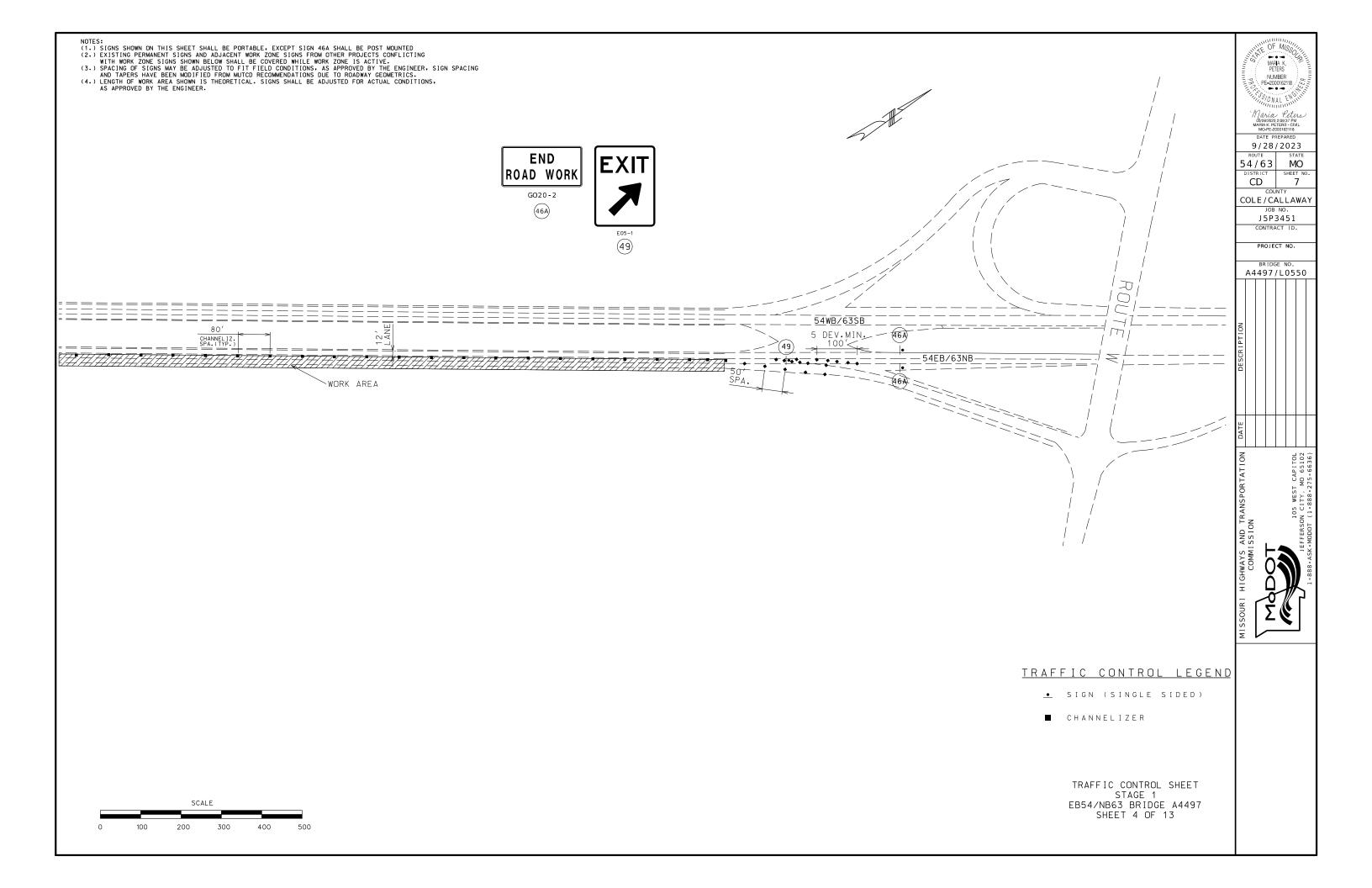
TOTAI

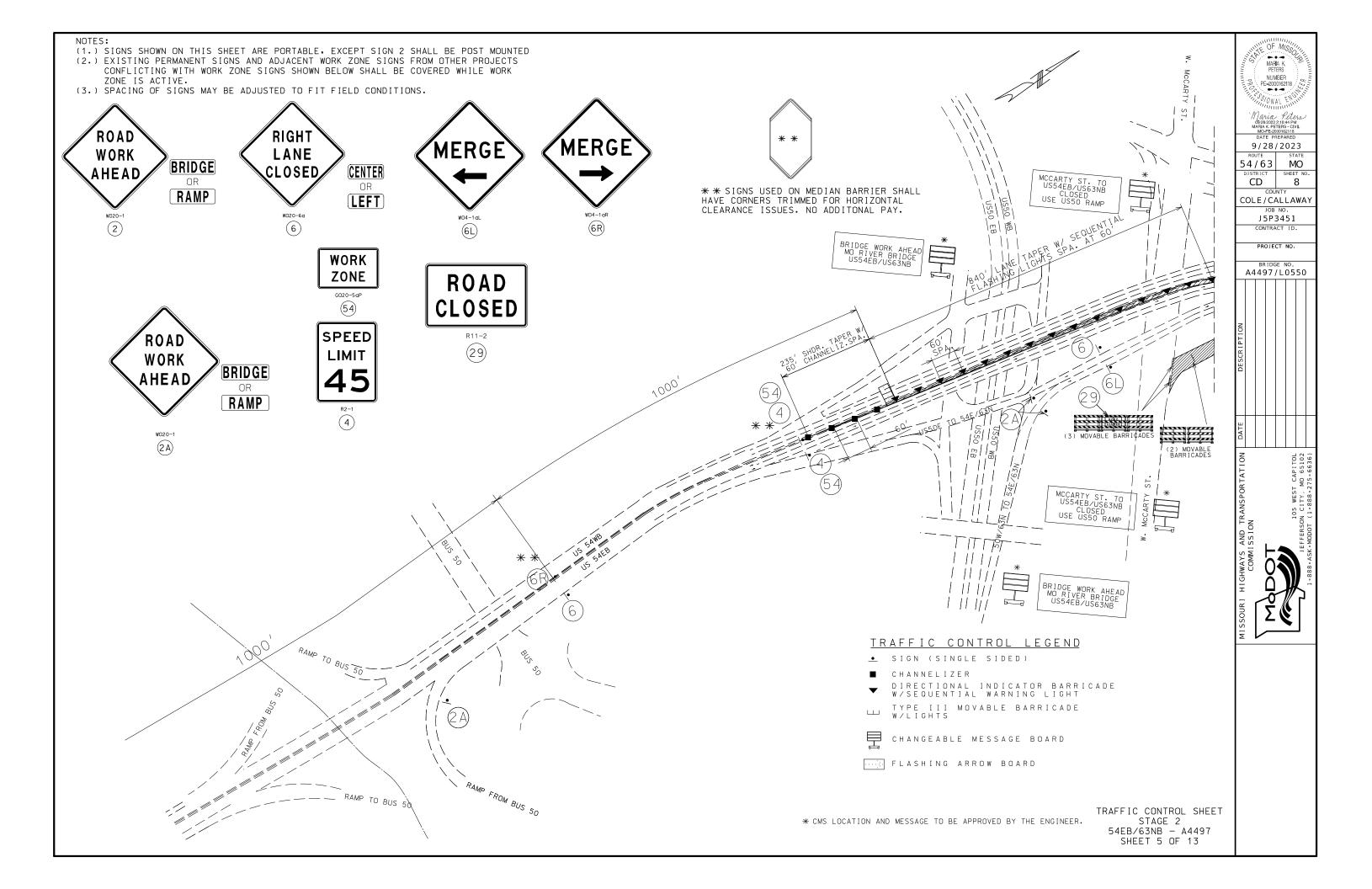
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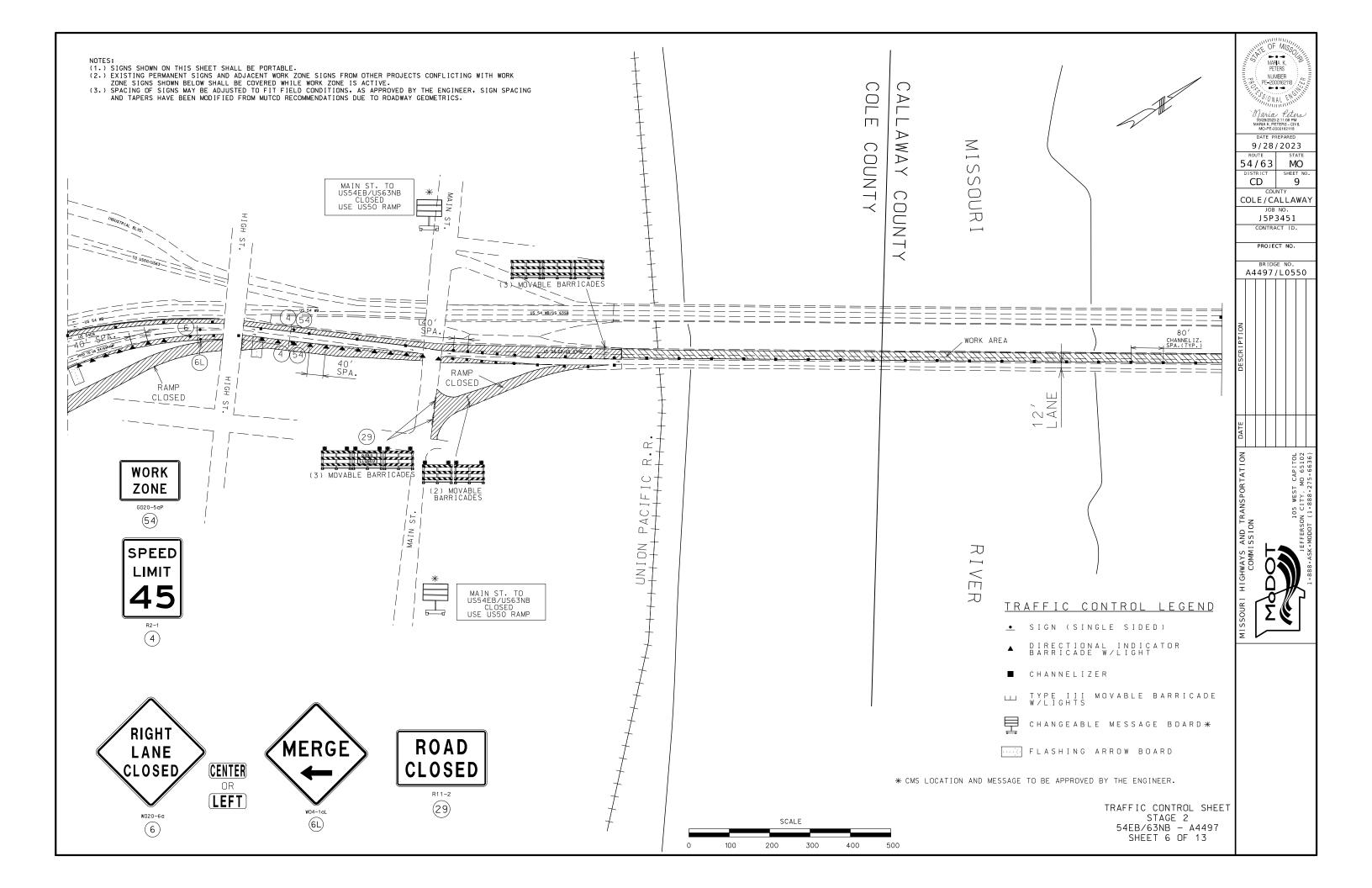


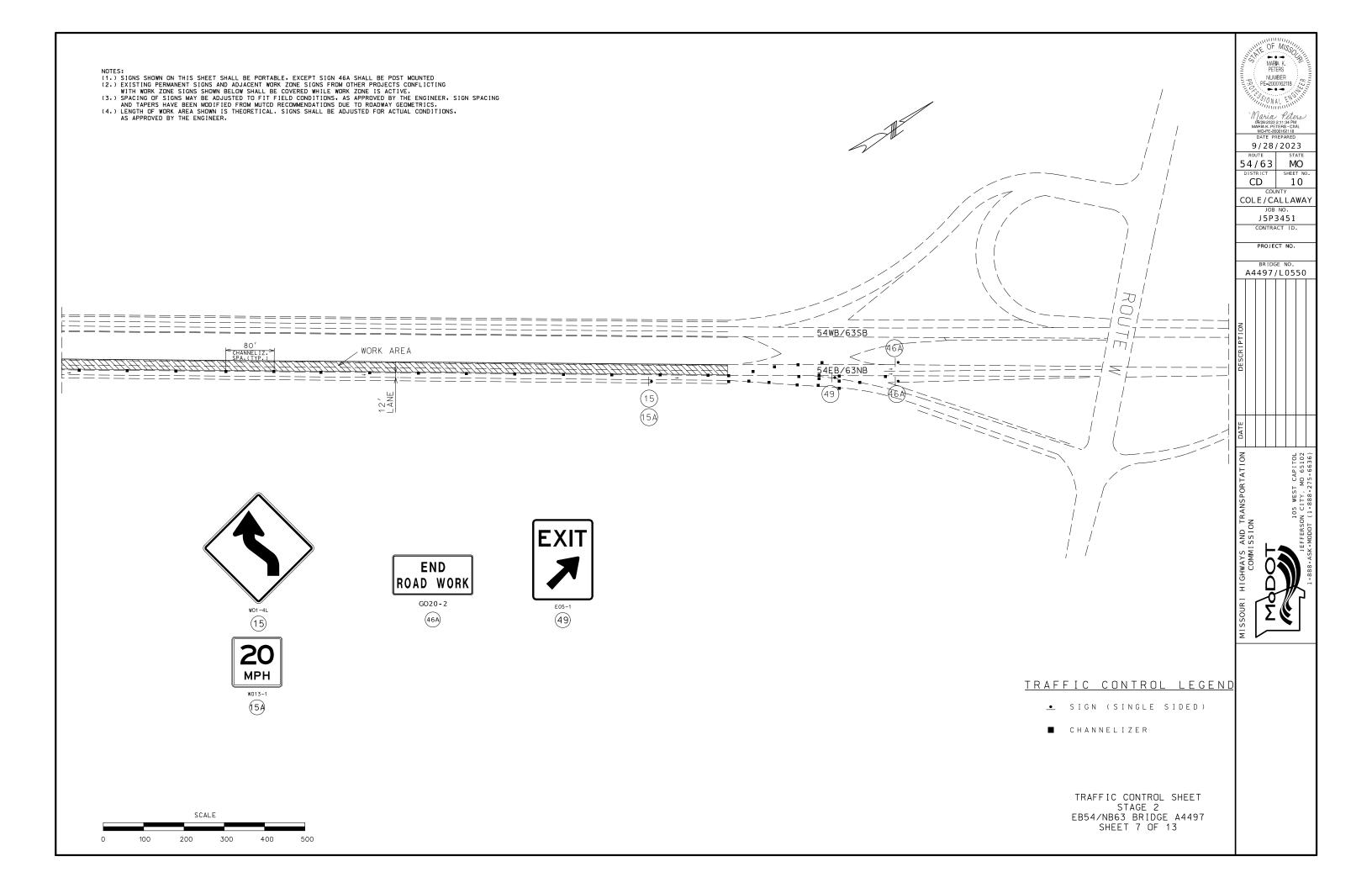


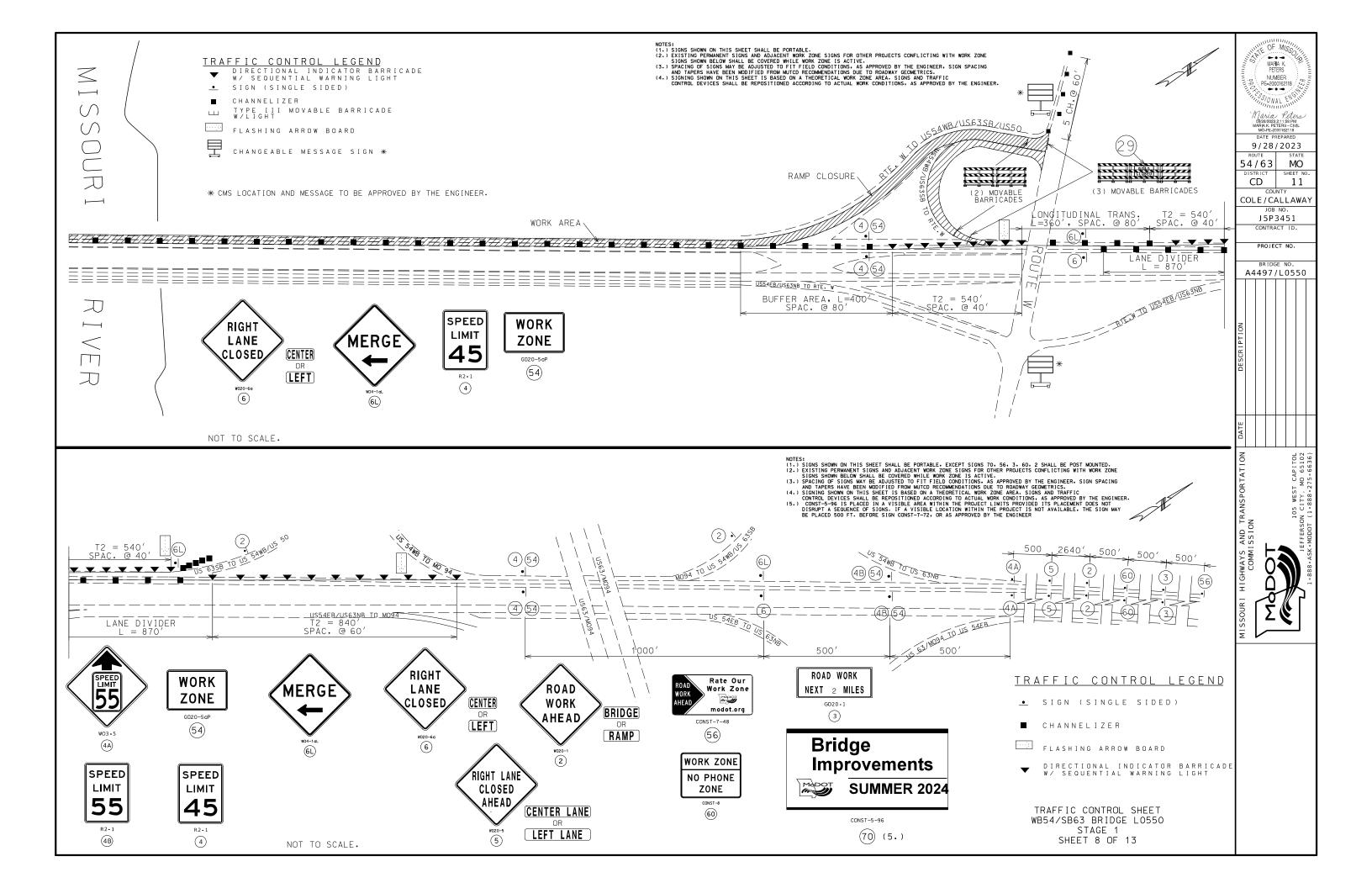


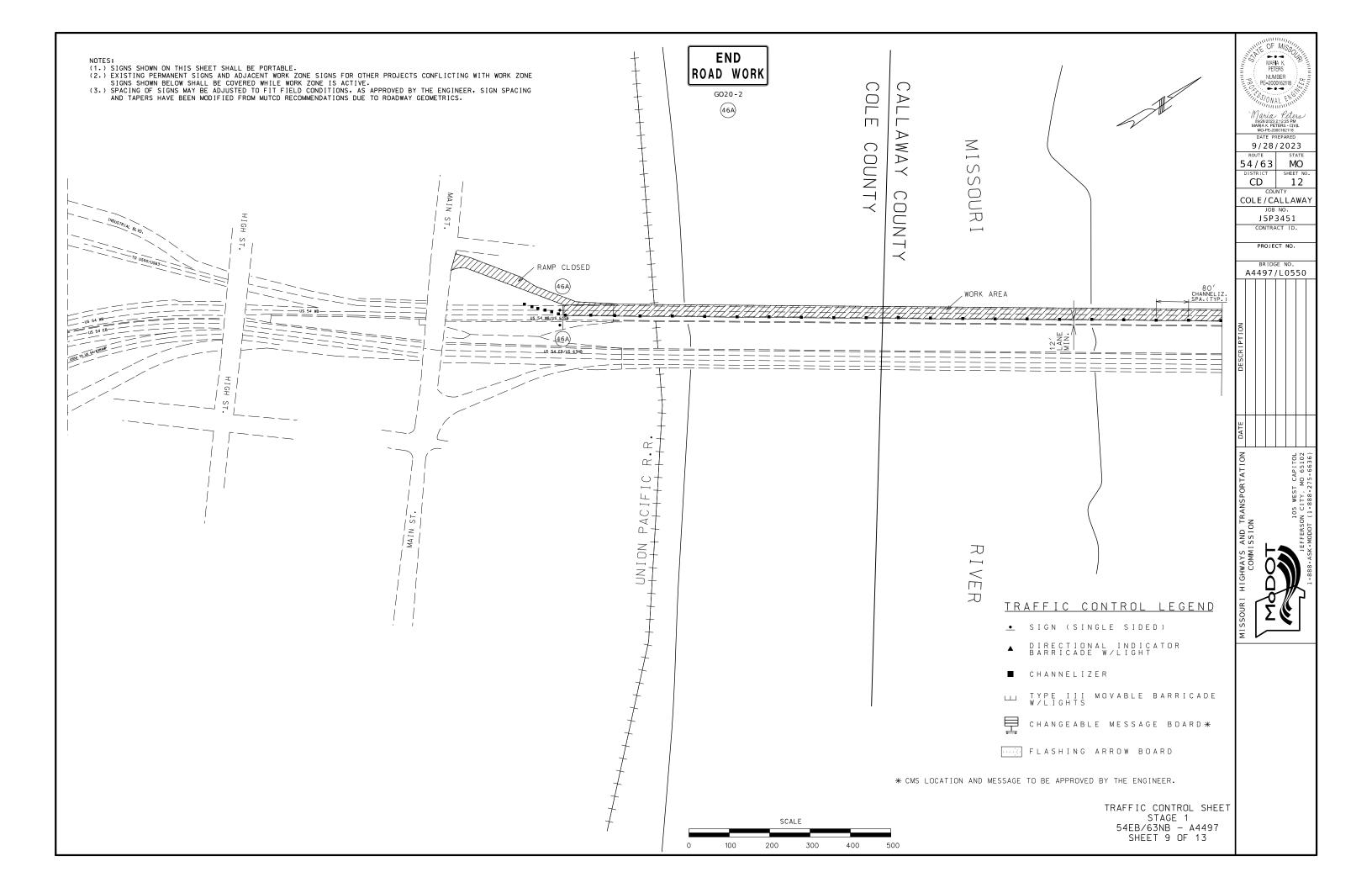


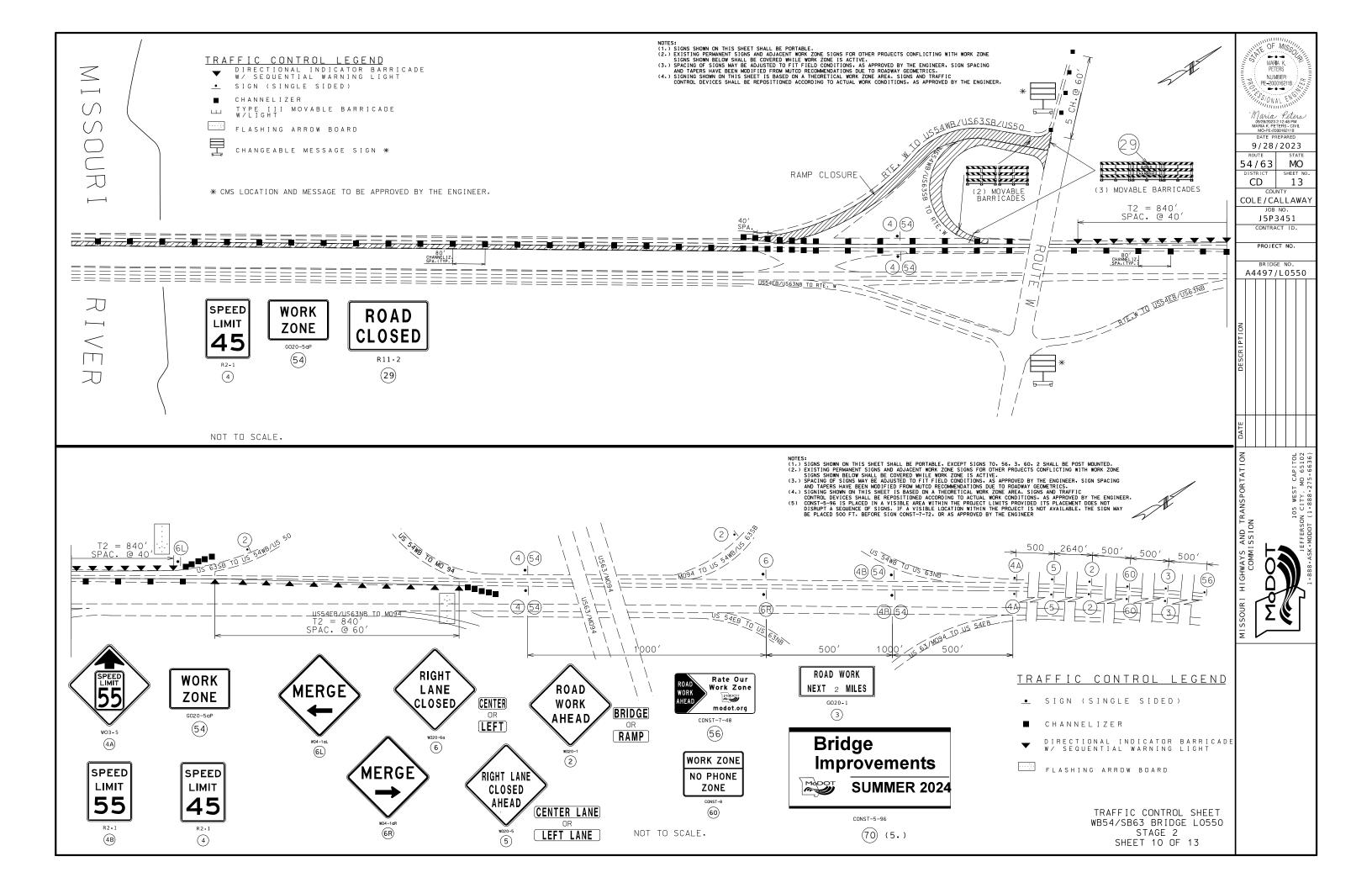


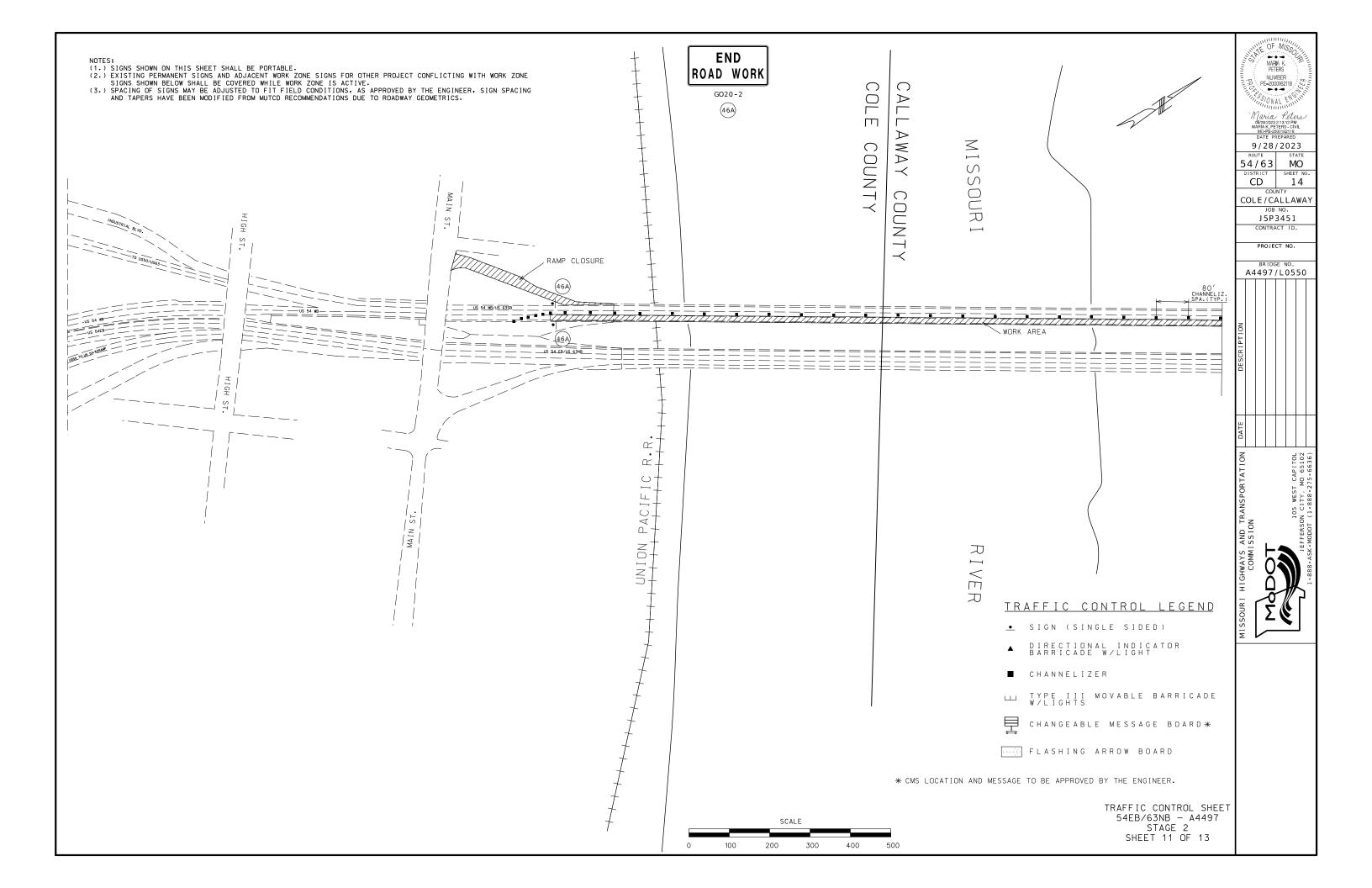


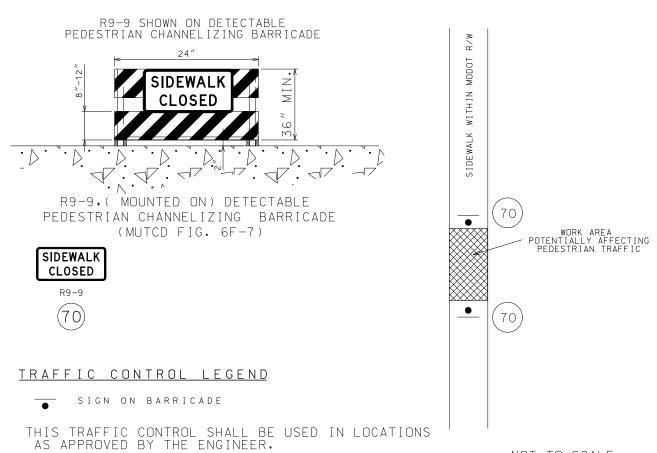












NOT TO SCALE.

MAPIA K. PETERS NUMBER PE-2000162118  MAPIA K. PETERS NUMBER PE-2000162118  MOPE-2000162118  DATE PREPARED 9/28/2023  ROUTE 54/63  MO DISTRICT SHEET NO. CD 15  COUNTY COLE/CALLAWAY JOB NO. J5P3451  CONTRACT ID.  PROJECT NO.  BRIDGE NO. A4497/L0550										
ROUTE STATE 54/63 MO DISTRICT SHEET NO. CD 15  COUNTY COLE/CALLAWAY JOB NO. J5P3451 CONTRACT ID.  PROJECT NO.  BRIDGE NO.		NUMBER PE-2000162118 PP-2000162118 NO NAL EMILIA MARIA K. PETERS-CIVIL MO-PE-2000162118								
54/63 MO DISTRICT SHEET NO. CD 15  COUNTY COLE/CALLAWAY JOB NO. J5P3451 CONTRACT ID.  PROJECT NO.  BRIDGE NO.					8 2	/ 2				
DISTRICT SHEET NO. CD 15  COUNTY COLE / CALLAWAY JOB NO. J 5 P 3 4 5 1 CONTRACT ID.  PROJECT NO.  BRIDGE NO.		5			3					
COUNTY COLE/CALLAWAY JOB NO. J5P3451 CONTRACT ID.  PROJECT NO.  BRIDGE NO.										
COLE/CALLAWAY  JOB NO.  J5P3451  CONTRACT ID.  PROJECT NO.  BRIDGE NO.			<u>C</u>	_	COL	NITN		5		
J5P3451 CONTRACT ID.  PROJECT NO.  BRIDGE NO.		С	OL					WД	·Υ	
CONTRACT ID.  PROJECT NO.  BRIDGE NO.		J5P3451 CONTRACT ID.								
BRIDGE NO.										
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DESCRIPTION										
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SIDEWALK/PEDESTRIAN
BRIDGE CLOSURE
TRAFFIC CONTROL SHEET
SHEET 12 OF 13

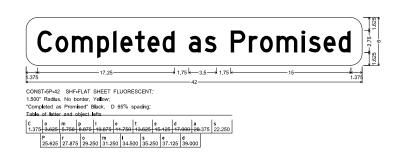
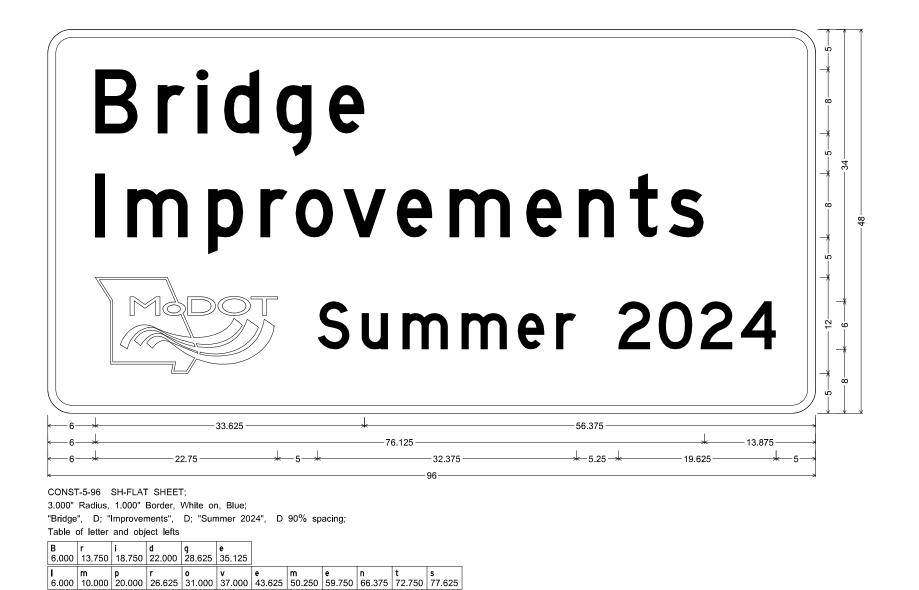


 Image: No.000 | State |



MARIA K.
PETERS
PE-200102118

Maria Peters
ODIECTORS - ON AL ENGINEERING - ON AL ENGIN

9/28/2023

ROUTE STATE

54/63 MO

DISTRICT SHEET NO

CD 16

COLE / CALLAWAY

J5P3451 CONTRACT ID.

PROJECT NO.

PATE NO. A4497 / L0550

SSOURT HIGHWAYS AND TRANSPORTATIO COMMISSION

MADOT

105 WEST CAPITO

106 WEST CAPITO

107 WEST CAPITO

108 WEST CAPITO

109 WEST CAPITO

100 WEST CAPITO

100

TRAFFIC CONTROL SHEET POP SIGN DETAILS SHEET 13 OF 13