MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

CAMDEN COUNTY

DESIGN DESIGNATION	
RTE 54 S/O WOOD RIVER RD	
A.A.D.T - 2026 =	23,807
A.A.D.T - 2036 =	31,712
D.H.V. =	8.09%
T =	15.40%
V =	65 M.P.H
D =	47.7%/ 52.3%
FUNCTIONAL CLASS.	FREEWAY
RTE 54 W/O PASSOVER RD	
A.A.D.T - 2026 =	55,199
A.A.D.T - 2036 =	75,340
D.H.V. =	7.26%
T =	9.26%
V =	65 M.P.H
D =	44.7%/ 55.3%
FUNCTIONAL CLASS.	FREEWAY
RTE 54 S/O RTE KK	
A.A.D.T - 2026 =	30,682
A.A.D.T - 2036 =	36,656
D.H.V. =	8.25%
T =	13.29%
V =	65/60 M.P.H
D =	48.4%/ 51.6%
FUNCTIONAL CLASS.	FREEWAY
RTE 54 N/O BUS RT 5	
A.A.D.T - 2026 =	23,063
A.A.D.T - 2036 =	24,242
D.H.V. =	8.75%
T =	13.59%
V =	30/40/45/55/60 M.P.H
D =	49.5%/ 50.5%
FUNCTIONAL CLASS.	FREEWAY
ROUTE KK	
A.A.D.T - 2026 =	7,035
V =	45/55 M.P.H
FUNCTIONAL CLASS.	MAJOR COLLECTOR

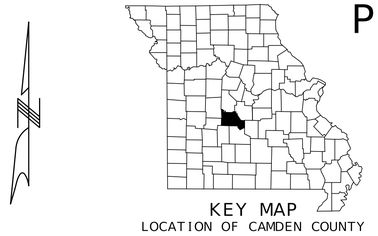
NO NEW R/W REQUIRED

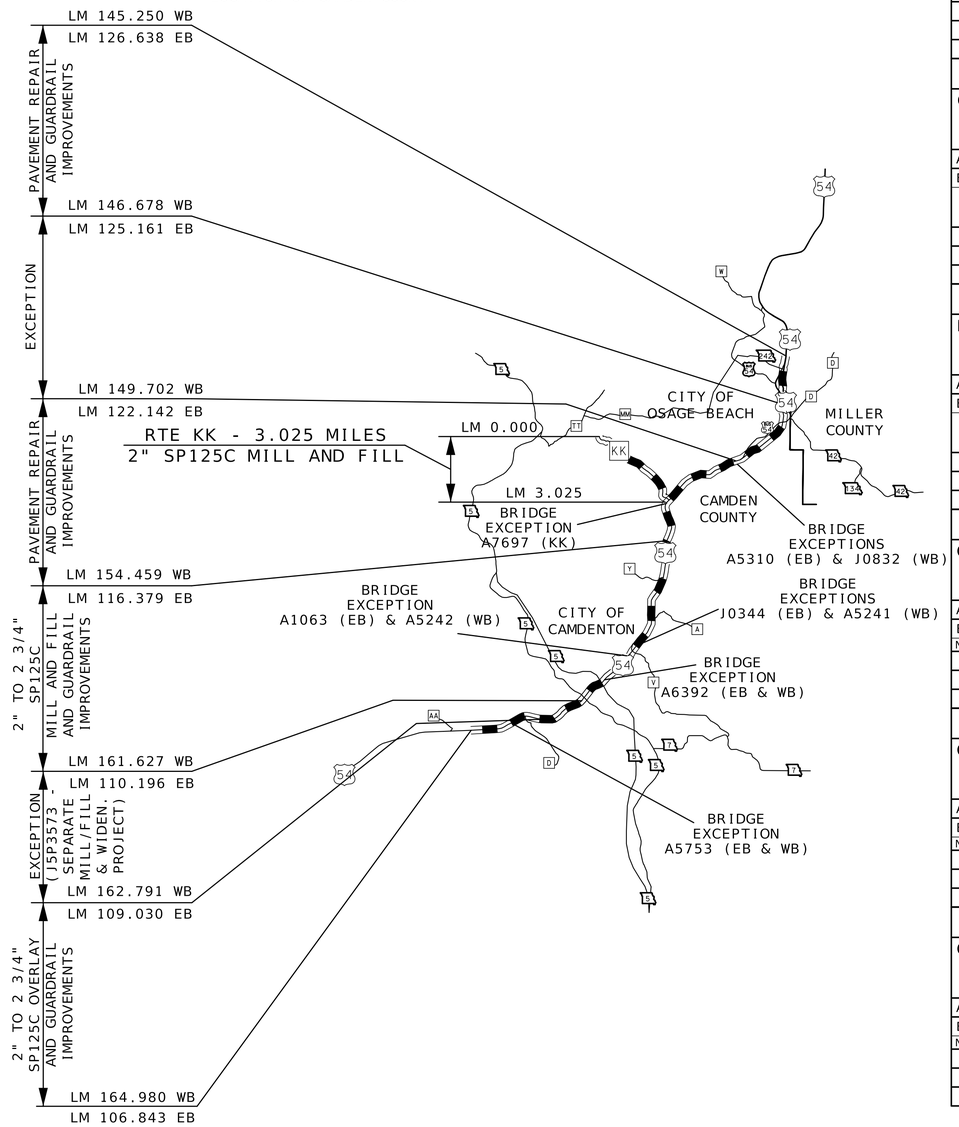
CONVENTIONAL SYMBOLS

(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	-UTV-	-UTV-
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	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	-V-	
WOVEN WIRE	-X-	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES





LENGTH OF PROJECT			
JEFFRIES RD			
BEGINNING	L.M.	0.616	
END	L.M.	0.836	
APPARENT LENGTH		0.220	MILES
EQUATIONS AND EXCEPTIONS			
BRIDGE A5743			
BEGIN	L.M.	0.737	
END	L.M.	0.775	
TOTAL CORRECTIONS		0.038	MILES
NET LENGTH OF PROJECT		0.182	MILES
STATE LENGTH		0.182	MILES

LENGTH OF PROJECT			
CASE RD			
BEGINNING	L.M.	0.535	
END	L.M.	0.810	
APPARENT LENGTH		0.275	MILES
EQUATIONS AND EXCEPTIONS			
BRIDGE A5742			
BEGIN	L.M.	0.700	
END	L.M.	0.736	
TOTAL CORRECTIONS		0.036	MILES
NET LENGTH OF PROJECT		0.239	MILES
STATE LENGTH		0.239	MILES

LENGTH OF PROJECT			
NICHOLS RD			
BEGINNING	L.M.	1.690	
END	L.M.	1.878	
APPARENT LENGTH		0.188	MILES
EQUATIONS AND EXCEPTIONS			
BRIDGE A7696			
BEGIN	L.M.	1.814	
END	L.M.	1.833	
TOTAL CORRECTIONS		0.019	MILES
NET LENGTH OF PROJECT		0.169	MILES
STATE LENGTH		0.169	MILES

LENGTH OF PROJECT			
OB PKWY (AT PASSOVER RD)			
BEGINNING	L.M.	3.059	
END	L.M.	3.515	
APPARENT LENGTH		0.456	MILES
EQUATIONS AND EXCEPTIONS			
NONE			
TOTAL CORRECTIONS		0.000	MILES
NET LENGTH OF PROJECT		0.456	MILES
STATE LENGTH		0.456	MILES

LENGTH OF PROJECT			
OB PKWY (AT JEFFRIES RD)			
BEGINNING	L.M.	3.788	
END	L.M.	4.030	
APPARENT LENGTH		0.242	MILES
EQUATIONS AND EXCEPTIONS			
NONE			
TOTAL CORRECTIONS		0.000	MILES
NET LENGTH OF PROJECT		0.242	MILES
STATE LENGTH		0.242	MILES

LENGTH OF PROJECT			
OB PKWY (AT CASE RD)			
BEGINNING	L.M.	2.962	
END	L.M.	3.018	
APPARENT LENGTH		0.056	MILES
EQUATIONS AND EXCEPTIONS			
NONE			
TOTAL CORRECTIONS		0.000	MILES
NET LENGTH OF PROJECT		0.056	MILES
STATE LENGTH		0.056	MILES

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) (8 SHEETS)	2
QUANTITIES (QU) (27 SHEETS)	3
SPECIAL SHEETS (SS)	4-24
TRAFFIC CONTROL SHEETS (TC)	25-41
SIGNING (SN)	42

LENGTH OF PROJECT			
RTE 54 WESTBOUND			
BEGINNING	L.M.	145.250	
END	L.M.	164.980	
APPARENT LENGTH		19.730	MILES
EQUATIONS AND EXCEPTIONS			
PROJECT EXCEPTION			
BEGIN	L.M.	146.678	
END	L.M.	149.702	
BRIDGE J0832			
BEGIN	L.M.	149.702	
END	L.M.	150.021	
BRIDGE A5241			
BEGIN	L.M.	158.620	
END	L.M.	158.663	
BRIDGE A5242			
BEGIN	L.M.	159.282	
END	L.M.	159.334	
BRIDGE A6392			
BEGIN	L.M.	160.850	
END	L.M.	160.908	
PROJECT EXCEPTION			
BEGIN	L.M.	161.627	
END	L.M.	162.791	
BRIDGE A5753			
BEGIN	L.M.	164.202	
END	L.M.	164.463	
RTE 54 EASTBOUND			
BEGINNING	L.M.	106.843	
END	L.M.	126.638	
APPARENT LENGTH		19.795	MILES
EQUATIONS AND EXCEPTIONS			
BRIDGE A5753			
BEGIN	L.M.	107.359	
END	L.M.	107.620	
PROJECT EXCEPTION			
BEGIN	L.M.	109.030	
END	L.M.	110.196	
BRIDGE A6392			
BEGIN	L.M.	110.913	
END	L.M.	110.973	
BRIDGE A1063			
BEGIN	L.M.	112.486	
END	L.M.	112.499	
BRIDGE J0344			
BEGIN	L.M.	113.171	
END	L.M.	113.202	
BRIDGE A5310			
BEGIN	L.M.	121.812	
END	L.M.	122.142	
PROJECT EXCEPTION			
BEGIN	L.M.	122.142	
END	L.M.	125.161	
TOTAL CORRECTIONS		9.801	MILES
NET LENGTH OF PROJECT		29.724	MILES
STATE LENGTH		29.724	MILES

LENGTH OF PROJECT			
RTE KK			
BEGINNING	L.M.	0.000	
END	L.M.	3.025	
APPARENT LENGTH		3.025	MILES
EQUATIONS AND EXCEPTIONS			
BRIDGE A7697			
BEGIN	L.M.	2.799	
END	L.M.	2.819	
TOTAL CORRECTIONS		0.020	MILES
NET LENGTH OF PROJECT		3.005	MILES
STATE LENGTH		3.005	MILES

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 0.1 ACRES

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
08/26/2025 7:30:33 AM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
8/25/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	1

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

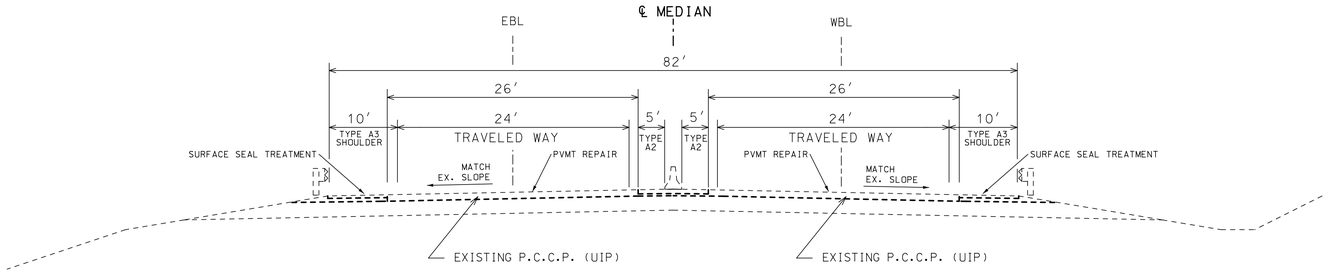
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

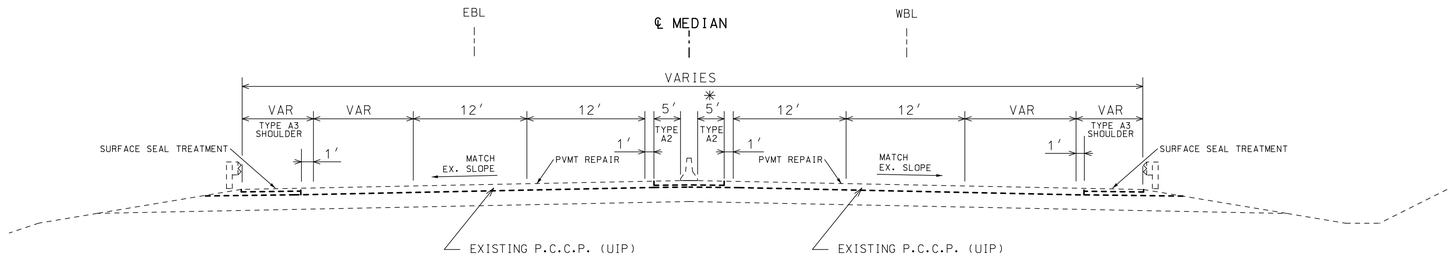


SECTION ON TANGENT
ROUTE 54 EBL
L.M. 125.161 TO L.M. 126.638

SECTION ON TANGENT
ROUTE 54 WBL
L.M. 145.250 TO L.M.146.678

FOR INFORMATION PURPOSES ONLY

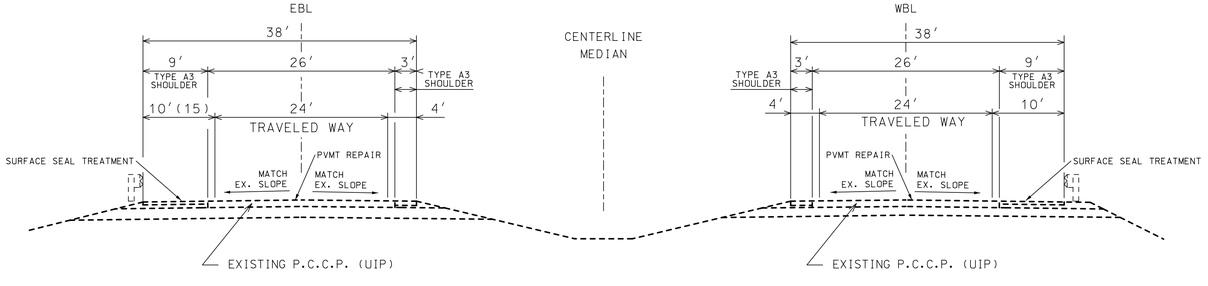
ESTIMATE FACTORS
SP125C (PG 70-22) = 1.927 TON/CY
TACK (COLDMILLED, ASPHALT SURFACE)= 0.10 GAL/SY



SECTION ON TANGENT
ROUTE 54 EBL
L.M. 118.201 TO L.M. 121.812

SECTION ON TANGENT
ROUTE 54 WBL
L.M. 150.021 TO L.M.153.675

✱ TRANSITION FROM 11′- 6″ AT L.M. 150.021 TO 6′ AT L.M. 150.227



SECTION ON TANGENT
ROUTE 54 EBL
L.M. 117.421 TO L.M. 118.201

SECTION ON TANGENT
ROUTE 54 WBL
L.M. 153.675 TO L.M.154.459

EXCEPTIONS

PROJECT – WB LM 146.678 TO LM 149.702 / EB LM 122.142 TO LM 125.161
BRIDGE J0832 – WB LM 149.702 TO LM 150.021
BRIDGE A5241 – WB LM 158.620 TO LM 158.663
BRIDGE A5242 – WB LM 159.282 TO LM 159.334
BRIDGE A6392 – WB LM 160.850 TO LM 160.908
PROJECT – WB LM 161.627 TO LM 162.791 / EB LM 109.030 TO LM 110.196
BRIDGE A5753 – WB LM 164.202 TO LM 164.463
BRIDGE A5763 – EB LM 107.359 TO LM 107.620
BRIDGE A6392 – EB LM 110.913 TO LM 110.973
BRIDGE A1063 – EB LM 112.486 TO LM 112.499
BRIDGE J0344 – EB LM 113.171 TO LM 113.202
BRIDGE A5310 – EB LM 121.812 TO LM 122.142

NOT TO SCALE

TYPICAL SECTION SHEET
ROUTE 54
SHEET 1 OF 8

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 6:09:03 AM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

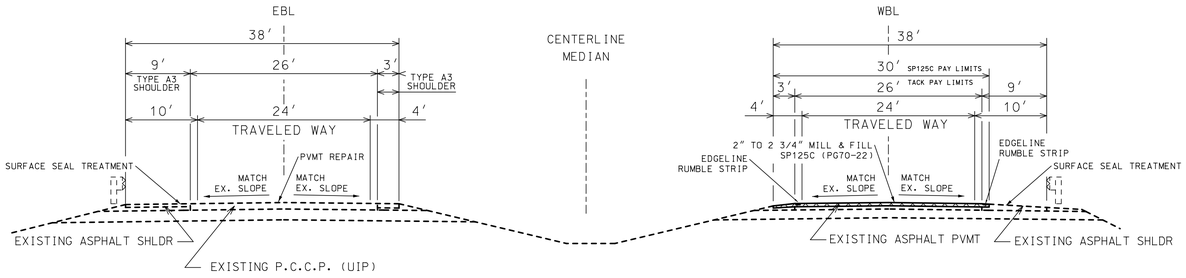
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

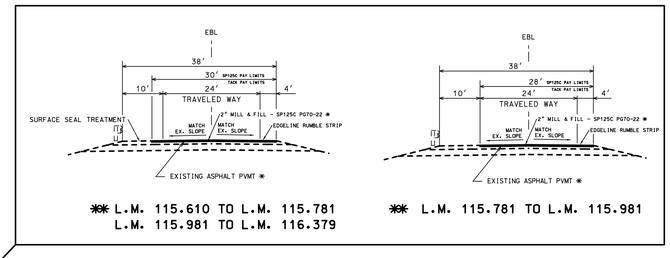
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTION SHEET
ROUTE 54
SHEET 1 OF 8



SECTION ON TANGENT
ROUTE 54 EBL
L.M. 116.730 TO L.M. 117.421

SECTION ON TANGENT
ROUTE 54 WBL
L.M. 154.459 TO L.M.155.098



✱✱ L.M. 115.610 TO L.M. 115.781
L.M. 115.981 TO L.M. 116.379

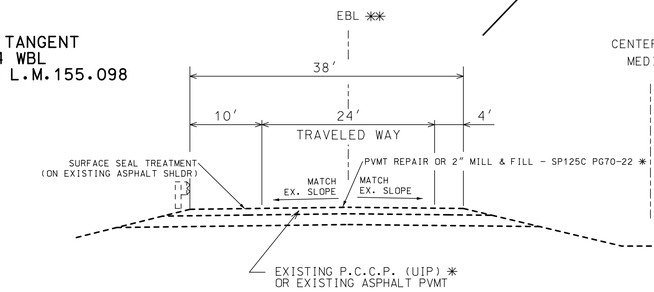
✱✱ L.M. 115.781 TO L.M. 115.981

✱ L.M. 115.610 TO L.M. 115.781
MAINLINE – ASPHALT
LT SHOULDER – ASPHALT
RT SHOULDER – ASPHALT

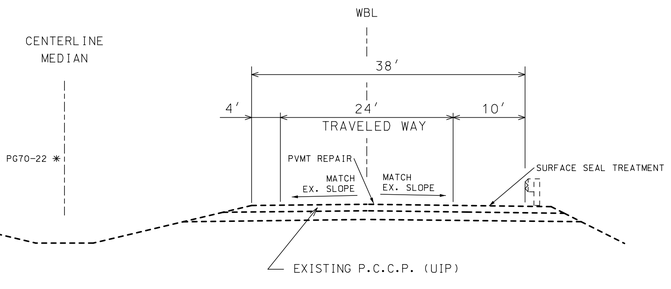
L.M. 115.781 TO L.M. 115.981 – ASPHALT SECTION
MAINLINE – ASPHALT
LT SHOULDER – ASPHALT
RT SHOULDER – PCCP

L.M. 115.981 TO L.M. 116.384 – ASPHALT SECTION
MAINLINE – ASPHALT
LT SHOULDER – ASPHALT
RT SHOULDER – ASPHALT

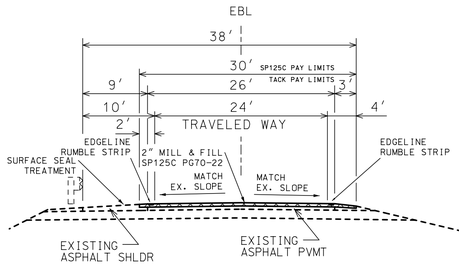
L.M. 116.384 TO L.M. 117.400 – PCCP SECTION



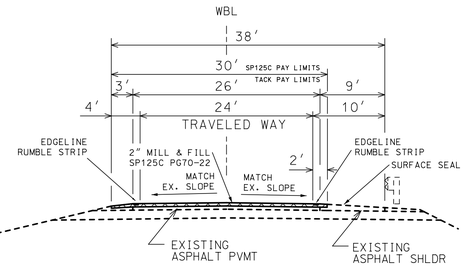
SECTION ON TANGENT
ROUTE 54 EBL
L.M. 115.610 TO L.M. 116.730 ✱



SECTION ON TANGENT
ROUTE 54 WBL
L.M. 155.098 TO L.M.156.200

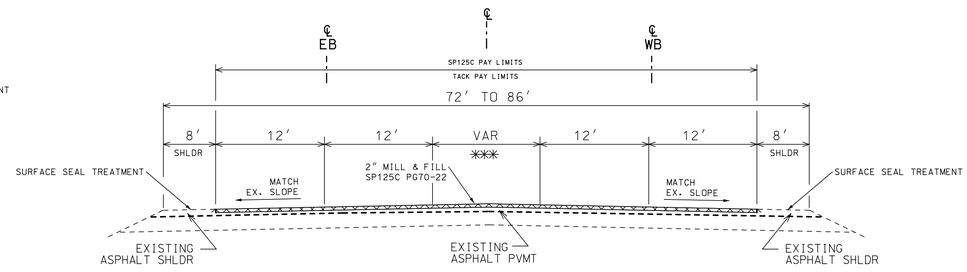


SECTION ON TANGENT
ROUTE 54 EBL
L.M. 111.925 TO L.M.115.610



SECTION ON TANGENT
ROUTE 54 WBL
L.M. 156.200 TO L.M.159.896

NOTE: HIGH FRICTION SURFACE TREATMENT
WBL – L.M. 156.847 TO L.M. 157.083
EBL – L.M. 114.727 TO L.M. 114.950



SECTION ON TANGENT
ROUTE 54 EBL
L.M. 111.789 TO L.M. 111.925

SECTION ON TANGENT
ROUTE 54 WBL
L.M. 159.896 TO L.M.160.040

✱✱✱ TAPER 38′ TO 24′– L.M. 159.896 TO L.M. 160.020 (WB)

NOT TO SCALE

TYPICAL SECTION SHEET
ROUTE 54
SHEET 2 OF 8

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
08/26/2025 7:32:27 AM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
8/25/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

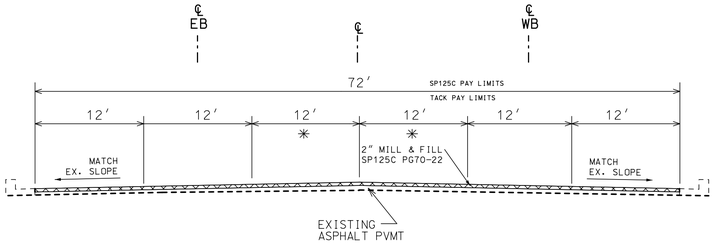
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

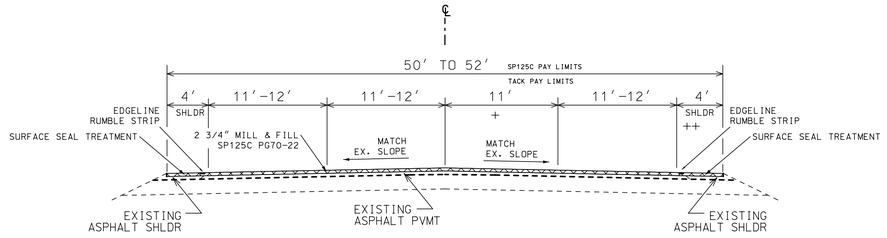
TYPICAL SECTION SHEET
ROUTE 54
SHEET 2 OF 8



SECTION ON TANGENT
ROUTE 54 EBL
L.M. 111.703 TO L.M. 111.789

SECTION ON TANGENT
ROUTE 54 WBL
L.M. 160.040 TO L.M.160.119

✳ LANES SWITCH FROM WB TURN LANES TO EB TURN LANES – L.M. 160.060 (WB)

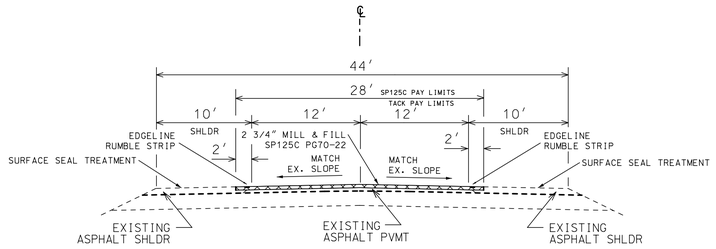


SECTION ON TANGENT
ROUTE 54 EBL
L.M. 108.760 TO L.M. 109.030

SECTION ON TANGENT
ROUTE 54 WBL
L.M. 162.791 TO L.M.163.072

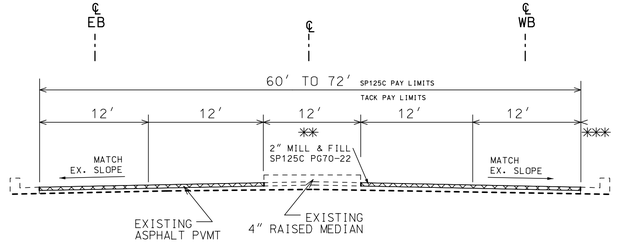
+ TAPER 11′ TO 0′ – L.M. 162.961 TO L.M. 163.062

++ TAPER 4′ TO 10′ – L.M. 163.012 TO L.M. 163.072



SECTION ON TANGENT
ROUTE 54 EBL
L.M. 108.016 TO L.M. 108.216

SECTION ON TANGENT
ROUTE 54 WBL
L.M. 163.586 TO L.M.163.806

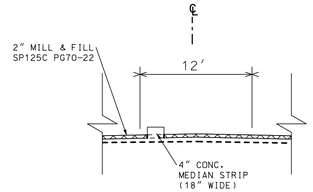


SECTION ON TANGENT
ROUTE 54 EBL
L.M. 110.196 TO L.M. 111.703

SECTION ON TANGENT
ROUTE 54 WBL
L.M. 160.119 TO L.M.161.627

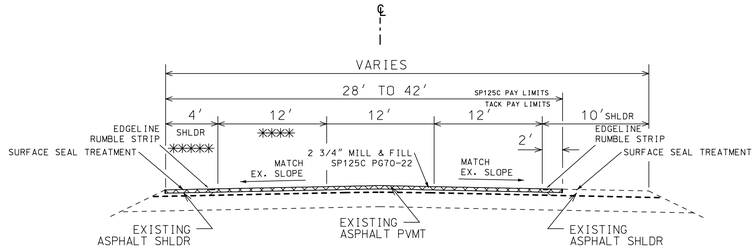
✳✳ TAPER MIDDLE LANE 24′ TO 12′– L.M. 160.119 TO L.M. 160.259 (WB)
EXISTING RAISED MEDIAN L.M. 160.808 TO L.M.160.835, L.M. 160.964 TO L.M. 161.005 (WB)

✳✳✳ TAPER RIGHT TURN LANE 0′ TO 12′– L.M. 160.399 TO L.M. 160.438 (WB)
L.M. 160.438 TO L.M. 160.498 (WB) – 12′ WIDE
L.M. 160.498 TO L.M. 160.537)WB) – 12′ TO 0′



SECTION ON TANGENT
ROUTE 54 WBL
L.M. 161.005 TO L.M.161.022

SEE SPECIAL SHEETS FOR DETAILS



SECTION ON TANGENT
ROUTE 54 EBL
L.M. 108.216 TO L.M. 108.760

SECTION ON TANGENT
ROUTE 54 WBL
L.M. 163.072 TO L.M.163.586

✳✳✳✳ TAPER 12′ TO 0′– L.M. 163.546 TO L.M. 163.586 (WB)

✳✳✳✳✳ TAPER 4′ TO 10′– L.M. 163.546 TO L.M. 163.586 (WB)

NOT TO SCALE

TYPICAL SECTION SHEET
ROUTE 54
SHEET 3 OF 8

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 6:10:26 AM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

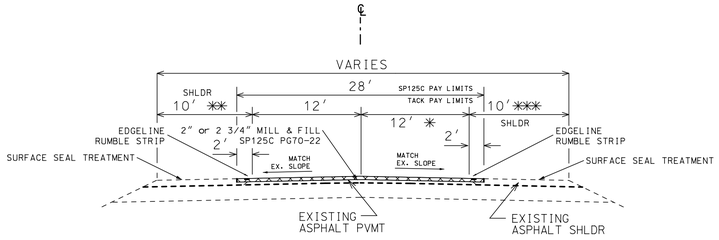
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TYPICAL SECTION SHEET
ROUTE 54
SHEET 3 OF 8



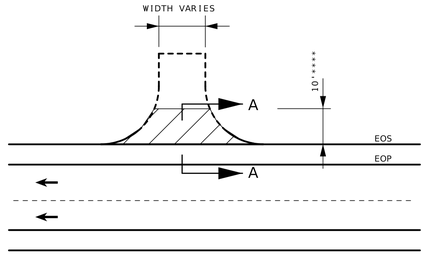
SECTION ON TANGENT
ROUTE 54 EBL
L.M. 106.840 TO L.M. 108.016

SECTION ON TANGENT
ROUTE 54 WBL
L.M. 163.806 TO L.M.164.980

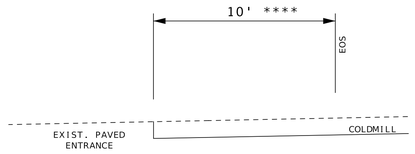
* TAPER 12′ TO 24′- L.M. 163.826 TO L.M. 163.886 (WB)
24′- L.M. 163.886 TO L.M. 164.065 (WB)
TAPER 24′ TO 12′- L.M. 164.065 TO L.M. 164.143 (WB)
TAPER 12′ TO 24′- L.M. 164.542 TO L.M. 164.643 (WB)
24′- L.M. 164.643 TO L.M. 164.826 (WB)
TAPER 24′ TO 12′- L.M. 164.826 TO L.M. 164.962 (WB)

** TAPER 10′ TO 8′- L.M. 163.826 TO L.M. 164.032 (WB)

*** TAPER 10′ TO 2′- L.M. 164.624 TO L.M. 164.643 (WB)

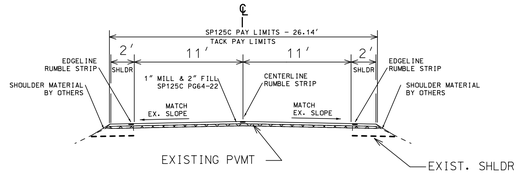


TYPICAL SIDEROAD/ENTRANCE



SECTION A-A
TYPICAL PAVED SIDEROAD/ENTRANCE
ROUTE 54

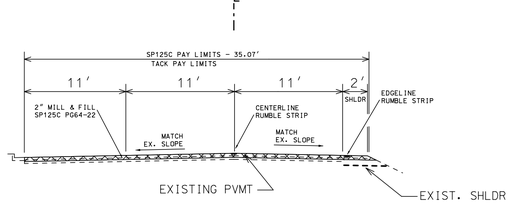
**** 10′ UNLESS NOTED OTHERWISE ON SPECIAL SHEETS



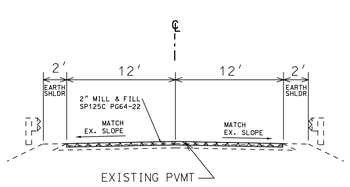
SECTION ON TANGENT
ROUTE KK EB
L.M. 0.000 TO L.M. 1.475
L.M. 1.555 TO L.M. 1.975

EXCEPTIONS - ROUTE KK

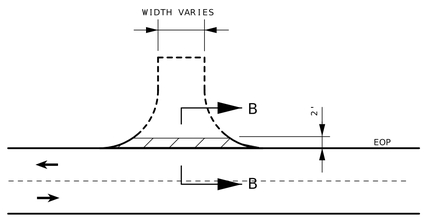
BRIDGE A7697 - LM 2.799 TO LM 2.819



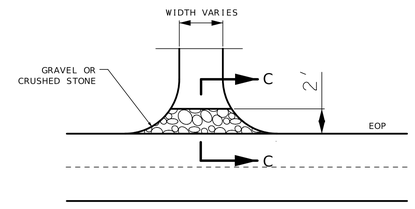
SECTION ON TANGENT
ROUTE KK EB
L.M. 1.475 TO L.M. 1.555



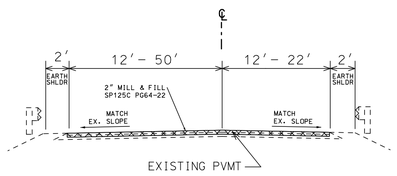
SECTION ON TANGENT
ROUTE KK EB
L.M. 1.975 TO L.M. 2.539



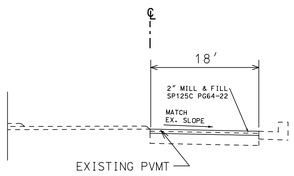
TYPICAL ENTRANCE



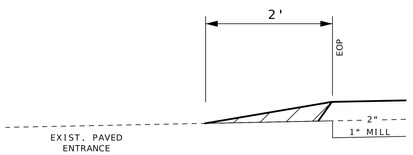
TYPICAL ENTRANCE



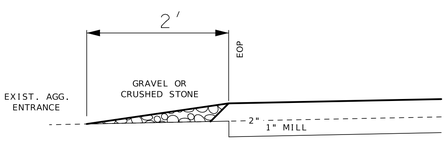
SECTION ON TANGENT
ROUTE KK EB
L.M. 2.539 TO L.M. 2.579



SECTION ON TANGENT
ROUTE KK EB (ROUNDABOUT)
L.M. 2.579 TO L.M. 2.630



SECTION B-B
TYPICAL PAVED ENTRANCE
ROUTE KK - 0.000 TO 1.975



SECTION C-C

TYPICAL AGGREGATE ENTRANCE
ROUTE KK - 0.000 TO 1.975
(TAPER 1:1 AT FIELD ENTRANCES)

NOT TO SCALE

TYPICAL SECTION SHEET
ROUTE 54/ROUTE KK
SHEET 4 OF 8

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 6:11:00 AM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

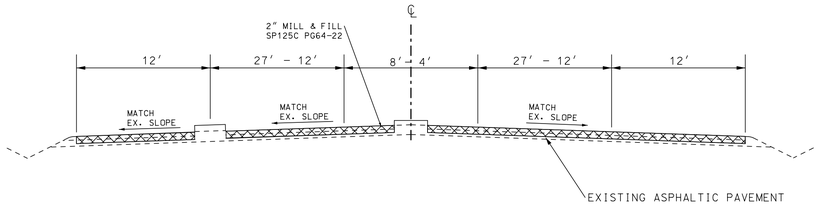
PROJECT NO.

BRIDGE NO.

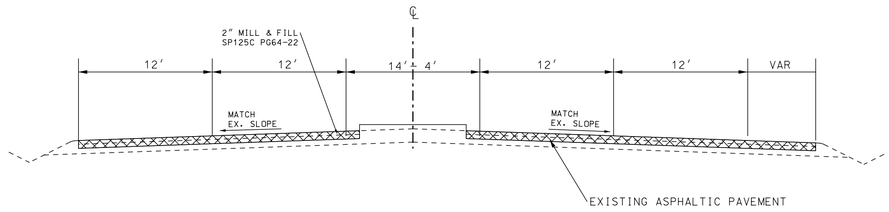
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

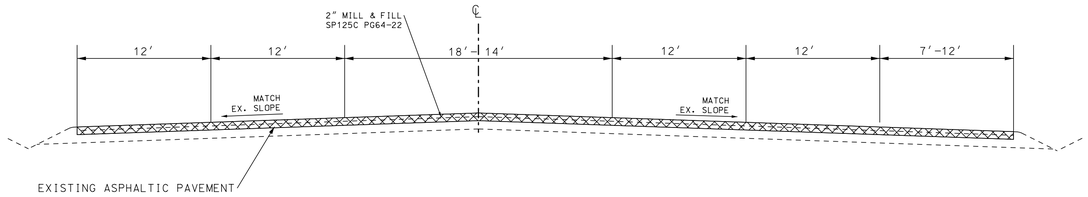
TYPICAL SECTION SHEET
ROUTE 54/ROUTE KK
SHEET 4 OF 8



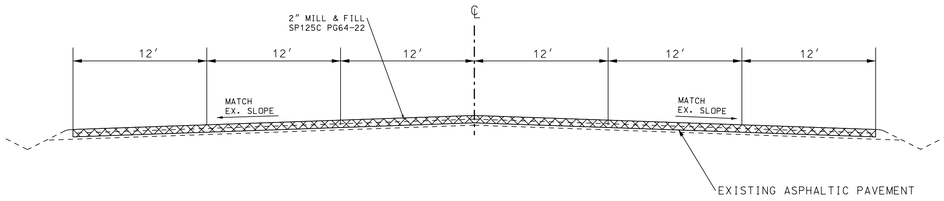
ROUTE KK EB
LOGMILE 2.630 – LOGMILE 2.654



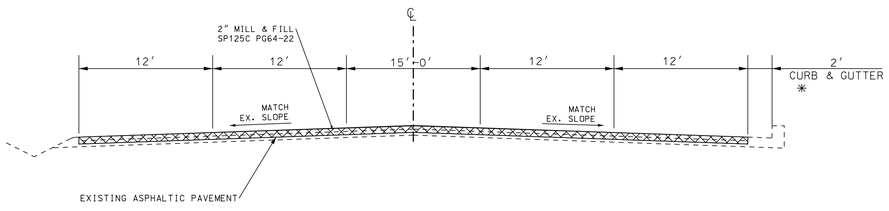
ROUTE KK EB
LOGMILE 2.654 – LOGMILE 2.717



ROUTE KK EB
LOGMILE 2.717 – LOGMILE 2.760

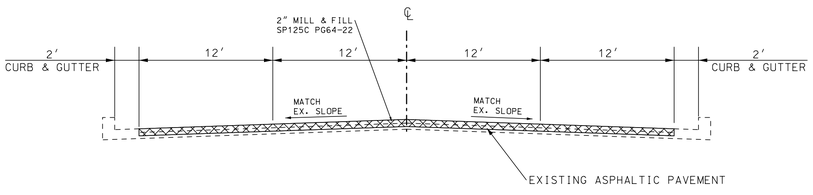


ROUTE KK EB
LOGMILE 2.760 – LOGMILE 2.839



ROUTE KK EB
LOGMILE 2.839 – LOGMILE 2.908

✳ STARTS AT L.M. 2.900



ROUTE KK EB
LOGMILE 2.908 – LOGMILE 3.025

NOT TO SCALE

TYPICAL SECTION SHEET
ROUTE KK
SHEET 5 OF 8

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 6:11:27 AM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

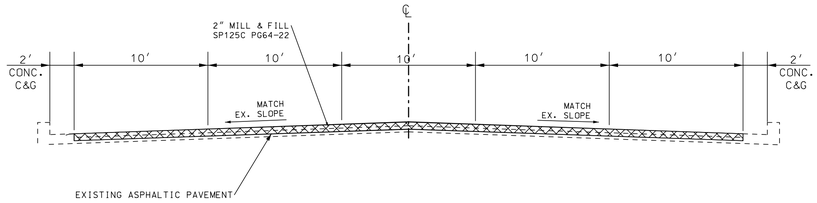
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

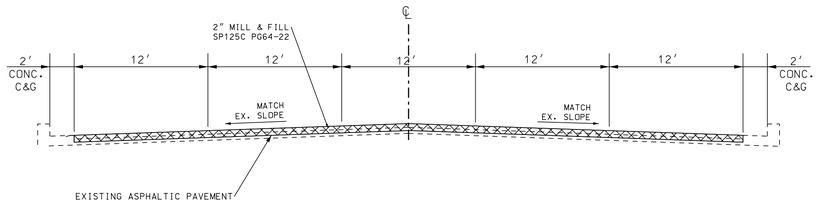
TYPICAL SECTION SHEET
ROUTE KK
SHEET 5 OF 8



OB PKWY SB (PASSOVER RD.)

LOGMILE 3.059 – LOGMILE 3.515

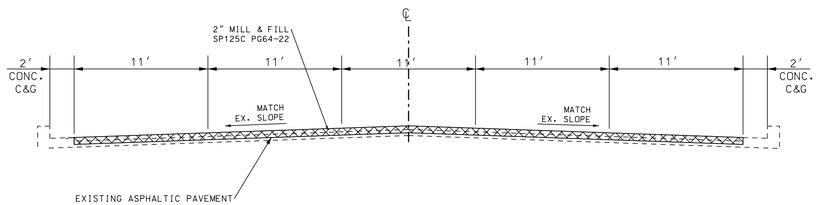
L.M. 3.059 TO L.M. 3.269 – WIDTH TRANSITIONS FROM 50′ TO 55′
L.M. 3.269 TO L.M. 3.465 – WIDTH TRANSITIONS FROM 55′ TO 60′
L.M. 3.465 TO L.M. 3.515 – WIDTH VARIES



OB PKWY NB (JEFFRIES RD)

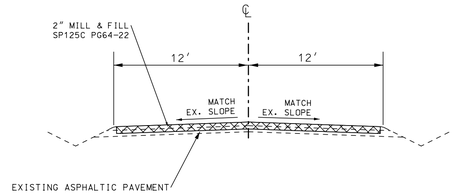
LOGMILE 3.788 – LOGMILE 4.030

L.M. 3.950 TO L.M. 4.015 – WIDTH 30′
L.M. 4.015 TO L.M. 4.023 – WIDTH TRANSITIONS FROM 30′ TO 20′
L.M. 4.023 TO L.M. 4.030 – WIDTH 20′



OB PKWY NB (CASE RD)

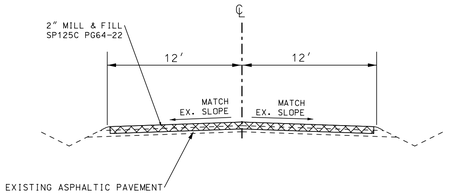
LOGMILE 2.962 – LOGMILE 3.018



JEFFRIES RD SB

LOGMILE 0.616 – LOGMILE 0.836

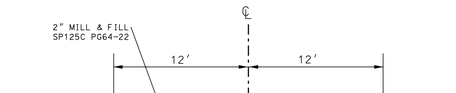
L.M. 0.624 TO L.M. 0.645 – WIDTH TRANSITIONS FROM 28′ TO 68′
L.M. 0.659 TO L.M. 0.670 – WIDTH TRANSITIONS FROM 56′ TO 34′
L.M. 0.670 TO L.M. 0.737 – WIDTH 34′
L.M. 0.737 TO L.M. 0.775 – BRIDGE A5743 EXCEPTION
L.M. 0.775 TO L.M. 0.819 – WIDTH 34′
L.M. 0.819 TO L.M. 0.836 – WIDTH VARIES



CASE RD SB

LOGMILE 0.527 – LOGMILE 0.810

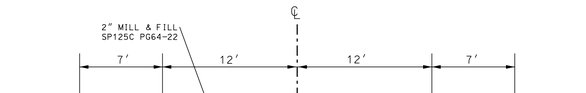
L.M. 0.621 TO L.M. 0.648 – WIDTH TRANSITIONS FROM 24′ TO 36′
L.M. 0.648 TO L.M. 0.700 – WIDTH 36′
L.M. 0.700 TO L.M. 0.736 – BRIDGE A5742 EXCEPTION
L.M. 0.736 TO L.M. 0.786 – WIDTH 36′
L.M. 0.786 TO L.M. 0.788 – WIDTH TRANSITIONS FROM 36′ TO 34′
L.M. 0.788 TO L.M. 0.810 – WIDTH TRANSITIONS FROM 80′ TO 45′



NICHOLS RD SB

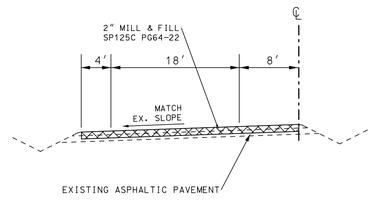
LOGMILE 1.690 – LOGMILE 1.878

L.M. 1.725 TO L.M. 1.773 – WIDTH TRANSITIONS FROM 24′ TO 48′
L.M. 1.773 TO L.M. 1.814 – WIDTH 36′
L.M. 1.814 TO L.M. 1.833 – BRIDGE A7696 EXCEPTION
L.M. 1.833 TO L.M. 1.871 – WIDTH 36′
L.M. 1.871 TO L.M. 1.878 – WIDTH TRANSITIONS FROM 62′ TO 42′



ROUTE Y EB

LOGMILE 2.582 – LOGMILE 2.594



ROUTE Y RAMP

LOGMILE 0.110 – LOGMILE 0.135

NOT TO SCALE

TYPICAL SECTION SHEET
ROUTE OB PKWY, JEFFRIES RD,
CASE RD, NICHOLS RD & ROUTE Y
SHEET 6 OF 8

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 6:11:56 AM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

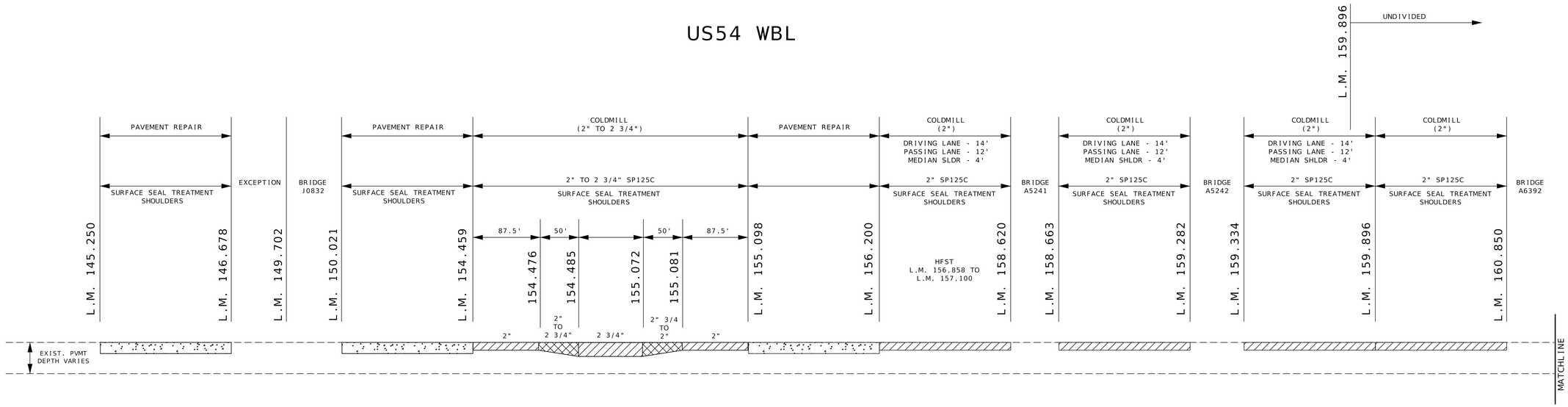
BRIDGE NO.

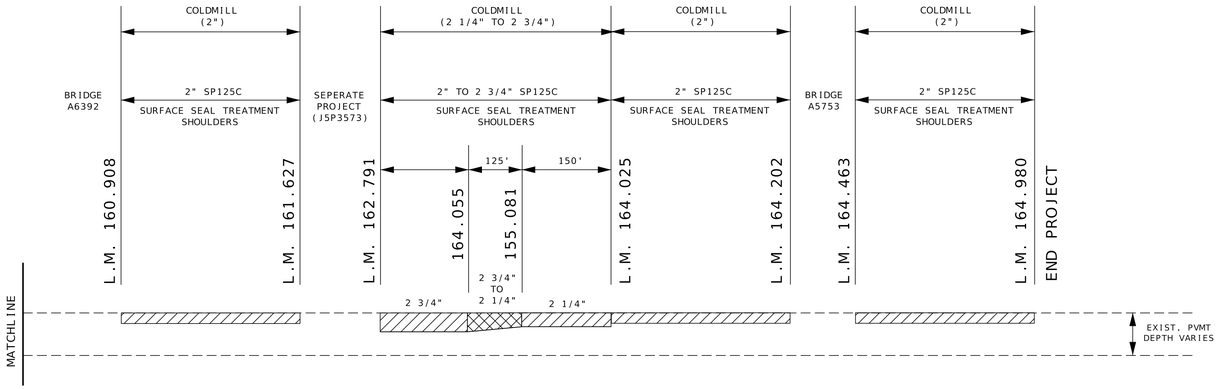
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTION SHEET
ROUTE OB PKWY, JEFFRIES RD,
CASE RD, NICHOLD RD & ROUTE Y
SHEET 6 OF 8

US54 WBL





COLDMILLING 3" OR LESS

MODIFIED COLDMILL

PAVEMENT REPAIR

TYPICAL SECTION SHEET
TRANSITION DETAILS
54 WESTBOUND
SHEET 7 OF 8

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 6:12:31 AM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
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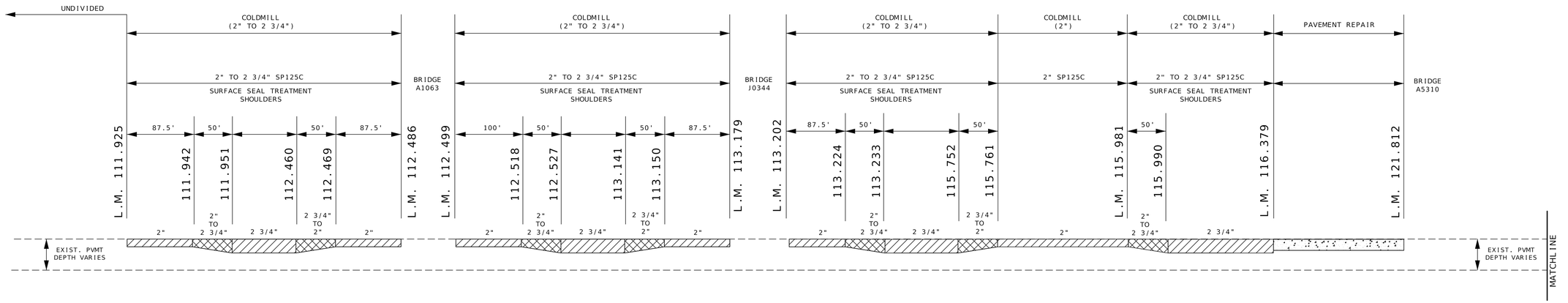
DESCRIPTION	DATE

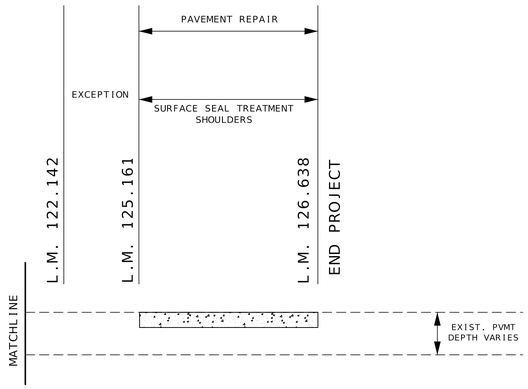
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

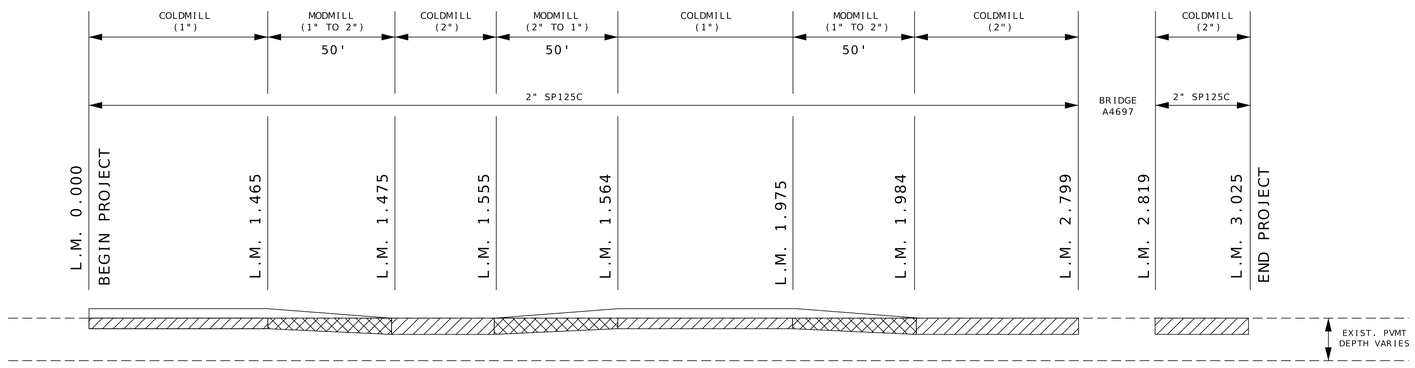
TYPICAL SECTION SHEET
TRANSITION DETAILS
54 WESTBOUND
SHEET 7 OF 8

US54 EBL

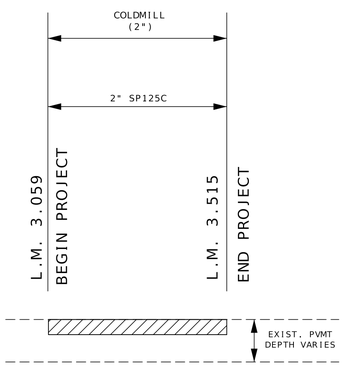


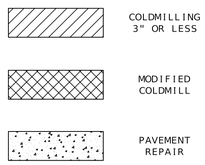


ROUTE KK



OB PKWY





TYPICAL SECTION SHEET
TRANSITION DETAILS
54 EASTBOUND
ROUTE KK
SHEET 8 OF 8

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/24/2025 6:13:01 AM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

TYPICAL SECTION SHEET
TRANSITION DETAILS
54 EASTBOUND, ROUTE KK
& OB PKWY
SHEET 8 OF 8

REMOVAL OF IMPROVEMENTS

LOG MILE FROM	LOG MILE TO	LOCATION	ITEM	QTY FT	QTY EACH	REMARKS
WBL						
145.250	145.460	RTE 54 WB RT	GUARDRAIL	1063		INCLUDES 1 END ANCHOR, UIP CET
145.564	145.603	RTE 54 WB RT	GUARDRAIL	195		INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
146.059	146.158	RTE 54 WB RT	GUARDRAIL	488		INCLUDES 1 END ANCHOR, UIP CET
146.278	146.617	RTE 54 WB RT	GUARDRAIL	1738		INCLUDES 1 END ANCHOR, UIP CET
150.322	150.641	RTE 54 WB RT	GUARDRAIL	1750		INCLUDES 1 CET & 1 END ANCHOR
150.701	0.115	RTE 54WB/CASE RAMP RT	GUARDRAIL	1138		INCLUDES 1 CET & 1 END ANCHOR
150.841	150.920	RTE 54 WB RT	GUARDRAIL	388		INCLUDES 1 CET & 1 END ANCHOR
151.402	151.702	RTE 54 WB RT	GUARDRAIL	1625		INCLUDES 1 CET & 1 END ANCHOR
151.761	151.960	RTE 54 WB RT	GUARDRAIL	1075		INCLUDES 1 CET & 1 END ANCHOR
152.099	1.725	RTE 54W /NICHOLS RAMP RT	GUARDRAIL	1100		INCLUDES 2 CET'S
152.150	152.218	RTE 54 WB RT	GUARDRAIL	356		INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
152.599	152.659	RTE 54 WB RT	GUARDRAIL	365		INCLUDES 1 CET & 1 END ANCHOR
153.375	153.635	RTE 54 WB RT	GUARDRAIL	1395		INCLUDES 1 CET & 1 END ANCHOR
153.735	154.076	RTE 54 WB RT	GUARDRAIL	1835		INCLUDES 1 CET & 1 END ANCHOR
154.377	154.459	RTE 54 WB RT	GUARDRAIL	510		INCLUDES 1 CET & 1 END ANCHOR
155.438	155.578	RTE 54 WB RT	GUARDRAIL	725		INCLUDES 1 CET & 1 END ANCHOR
155.663	155.703	RTE 54 MEDIAN	GUARDRAIL	350		INCLUDES 2 CET'S & 2 END ANCHORS
155.777	155.797	RTE 54 WB RT	GUARDRAIL	140		INCLUDES 1 CET & 1 END ANCHOR
156.216	156.356	RTE 54 WB RT	GUARDRAIL	715		INCLUDES 1 CET & 1 END ANCHOR
156.805	157.060	RTE 54 WB RT	GUARDRAIL	1345		INCLUDES 1 CET & 1 END ANCHOR
157.319	157.358	RTE 54 WB RT	GUARDRAIL	350		INCLUDES 1 END ANCHOR
157.577	157.657	RTE 54 WB RT	GUARDRAIL	460		INCLUDES 1 END ANCHOR
158.580	158.620	RTE 54 WB LT	GUARDRAIL	230		INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
158.600	158.620	RTE 54 WB RT	GUARDRAIL	90		INCLUDES 1 CET & BRIDGE TRANSITION SECTION - SEE SPECIAL SHEETS FOR REPLACEMENT DETAILS
158.649	158.686	RTE 54 WB RT	GUARDRAIL	165		INCLUDES 1 END ANCHOR - SEE SPECIAL SHEETS FOR REPLACEMENT DETAILS
158.692	158.732	RTE 54 WB RT	GUARDRAIL	290		INCLUDES 2 END ANCHORS
158.978	159.064	RTE 54 WB RT	GUARDRAIL	435		INCLUDES 1 END ANCHOR, UIP CET
159.091	159.282	54 WB RT	GUARDRAIL	1175		INCLUDES 1 BRIDGE TRANSITION SECTION
159.239	159.282	54 WB LT	GUARDRAIL	350		INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
159.499	159.538	54 WB RT	GUARDRAIL	300		INCLUDES 1 END ANCHOR, UIP CET
159.558	159.638	54 WB RT	GUARDRAIL	365		INCLUDES 1 END ANCHOR, UIP CET
160.084	160.177	54 WB RT	GUARDRAIL	515		INCLUDES 2 CET'S - BEHIND CURB - SEE SPECIAL SHEETS FOR REPLACEMENT DETAILS
160.090		RTE 54 WB RT	CURB CUT	86		CUT HORIZONTALLY 80' OF CURB TO 2" HEIGHT WITH 2 - 3' TRANSITIONS - AT CET
161.005		54 WB LT	SIGN & POST		1	R4-7 - SYMBOLIC KEEP RIGHT - CUT STUB FLUSH WITH TOP OF BARRIER
162.983	163.062	54 WB RT	GUARDRAIL	365		INCLUDES 2 CET'S
163.324	163.385	54 WB RT	GUARDRAIL	360		INCLUDES 1 CET & 1 END ANCHOR
163.405	163.787	54 WB RT	GUARDRAIL	2065		INCLUDES 1 CET & 1 END ANCHOR
163.826	163.886	54 WB RT	GUARDRAIL	475		INCLUDES 2 CET - EXISTING IN ASPHALT - SEE JSP FOR DETAILS
163.906	163.986	54 WB RT	GUARDRAIL	650		INCLUDES 2 CET - EXISTING IN ASPHALT - SEE JSP FOR DETAILS
164.144	164.202	54 WB RT	GUARDRAIL	365		INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
164.463	164.503	RTE 54 WB RT	GUARDRAIL	255		INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
164.703	164.742	54 WB RT	GUARDRAIL	300		INCLUDES 1 CET - SEE JSP FOR DETAILS
			TOTAL	1 LUMP SUM		

GRAVEL (A), CRUSHED STONE (B)

LOG MILE FROM	LOG MILE TO	LOCATION	ROUTE	AREA SF	TONS	REMARK
ROUTE 54						
156.433		WB	US 54 MEDIAN	1350	18	MEDIAN EMERGENCY CROSSOVER
145.209	165.075		US 54	1760	80	ENTRANCES THROUGHOUT ROUTE
				TOTAL	98	
				USE	98	
ROUTE KK						
0.000	3.025		KK	3200	125	ENTRANCES THROUGHOUT ROUTE
				TOTAL	125	
				USE	125	

LINEAR GRADING, CLASS 1

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	LINEAR GRADING CLASS 1 100 FT	REMARKS
160.090		RTE 54 WB RT	86.0	0.86	AT CET - SEE SPECAIL SHEETS FOR DETAILS
110.900		RTE 54 EB RT	86.0	0.86	AT CET - SEE SPECAIL SHEETS FOR DETAILS
111.471		RTE 54 EB RT	86.0	0.86	AT CET - SEE SPECAIL SHEETS FOR DETAILS
111.659		RTE 54 EB RT	86.0	0.86	AT CET - SEE SPECAIL SHEETS FOR DETAILS
			TOTAL	3.4	
			USE	3	

SUMMARY OF QUANTITIES
SHEET 1 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/29/2025 12:32:35 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SUMMARY OF QUANTITIES
SHEET 1 OF 27

REMOVAL OF IMPROVEMENTS (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	ITEM	QTY FT	REMARKS
EBL					
107.311	107.359	54 EB RT	GUARDRAIL	343	INCLUDES 1 CET & BRIDGE TRANSITION SECTION - SEE JSP FOR DETAILS
107.604	107.652	54 EB RT	GUARDRAIL	294	INCLUDES 1 CET & BRIDGE TRANSITION SECTION - SEE JSP FOR DETAILS
107.780	107.943	54 EB RT	GUARDRAIL	940	INCLUDES 2 CET'S
108.024	108.328	54 EB RT	GUARDRAIL	1665	INCLUDES 1 CET & 1 END ANCHOR
108.330	108.425	54 EB RT	GUARDRAIL	530	INCLUDES 1 CET & 1 END ANCHOR
110.886	110.916	54 EB RT	GUARDRAIL	144	INCLUDES 1 CET & BRIDGE TRANSITION SECTION
110.869		RTE 54 EB RT	CURB CUT	86	CUT HORIZONTALLY 80' OF CURB TO 2" HEIGHT WITH 2 - 3' TRANSITIONS - AT CET
111.465	111.573	54 EB RT	GUARDRAIL	575	INCLUDES 2 CET'S
111.458		RTE 54 EB RT	CURB CUT	86	CUT HORIZONTALLY 80' OF CURB TO 2" HEIGHT WITH 2 - 3' TRANSITIONS - AT CET
111.653	111.743	54 EB RT	GUARDRAIL	525	INCLUDES 2 CET'S
116.960	117.096	54 EB RT	GUARDRAIL	690	INCLUDES 1 CET & 1 END ANCHOR
117.802	117.976	54 EB RT	GUARDRAIL	1030	INCLUDES 1 CET & 1 END ANCHOR
118.142	118.418	54 EB RT	GUARDRAIL	1485	INCLUDES 1 CET & 1 END ANCHOR
119.187	119.251	54 EB RT	GUARDRAIL	300	INCLUDES 1 CET & 1 END ANCHOR
119.539	119.587	54 EB RT	GUARDRAIL	365	INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
119.845	120.007	54 EB RT	GUARDRAIL	860	INCLUDES 1 CET & 1 END ANCHOR
120.088	120.232	54 EB RT	GUARDRAIL	640	INCLUDES 1 CET & 1 END ANCHOR
120.265	120.346	54 EB RT	GUARDRAIL	440	INCLUDES 1 CET & 1 END ANCHOR
120.856	120.926	54 EB RT	GUARDRAIL	515	INCLUDES 1 CET & 1 END ANCHOR
121.216	121.489	54 EB RT	GUARDRAIL	1475	INCLUDES 1 CET & 1 END ANCHOR
121.538	3.910	54 EB TO OB PKWY	GUARDRAIL	800	INCLUDES 2 CET'S
121.663	121.742	54 EB RT	GUARDRAIL	565	INCLUDES 1 CET (DBL FACED GUARDRAIL INCLUDED ON RAMP QTY)
121.781	121.812	54 EB RT	GUARDRAIL	170	INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
125.087	125.533	54 EB RT	GUARDRAIL	2365	INCLUDES 1 CET & 1 END ANCHOR
125.615	125.761	54 EB RT	GUARDRAIL	790	INCLUDES 1 CET & 1 END ANCHOR
126.348	126.542	54 EB RT	GUARDRAIL	1014	INCLUDES 1 END ANCHOR, UIP CET
			TOTAL	1 LUMP SUM	

MOBILIZATION
1 LUMP SUM

SIGNET DBE REPORTING
TOTAL = 1 LUMP SUM

TEMPORARY PAVEMENT MARKING PAINT
TOTAL = 1 LUMP SUM

FULL DEPTH PAVEMENT REPAIR

LOG MILE FROM	LOG MILE TO	LOCATION	LANE	LENGTH (FT)	WIDTH (FT)	FURN. & PLACE CONC. MTRL FOR FULL DEPTH REPAIR (SY)	SAWCUT (PERIMETER & INTERNAL) (LF)	DOWEL BARS (EA)	TIE BARS ** (EA)	SUBGRADE COMPACTION * (SY)	REMARKS
145.520	145.521	54 WB	D	6	12	8.00	36	20	-	0.8	
145.540	145.541	54 WB	D	6	12	8.00	36	20	-	0.8	
145.543	145.544	54 WB	D	6	12	8.00	36	20	-	0.8	
145.580	145.581	54 WB	D	6	6	4.00	24	10	-	0.4	
145.600	145.601	54 WB	D	6	6	4.00	24	10	-	0.4	
145.858		54 WB	D	6	6	4.00	24	10	-	0.4	
145.919		54 WB	D	6	12	8.00	36	10	-	0.8	
2.482		RTE Y	D	15	12	20.00	24	10	6	2.0	AT BRIDGE END (WB LANE)
2.568		RTE Y	D	15	12	20.00	36	10	6	2.0	AT END OF GUARDRAIL (WB LANE)
											* SUBGRADE COMPACTION ASSUMED @ 10% OF REPLACEMENT AREA
											** TIE BARS SPACED AT 30" CENTERS
					SUBTOTAL	84.00	276	120	12	8.4	
					USE	84.0	276	120	12	8	

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
09/10/2025 12:33:46 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
9/8/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SUMMARY OF QUANTITIES
SHEET 2 OF 27

SUMMARY OF QUANTITIES
SHEET 2 OF 27

REMOVAL OF IMPROVEMENTS (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	ITEM	QTY FT	REMARKS
RAMPS					
0.090	0.165	242 TO 54W LT	GUARDRAIL	465	INCLUDES 1 CET & 1 END ANCHOR
0.257	0.404	242 WB RT	GUARDRAIL	800	INCLUDES 1 END ANCHOR & 1 BRIDGE TRANSITION SECTION
0.440	0.477	242 WB LT	GUARDRAIL	175	INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
0.440	0.528	242 WB RT	GUARDRAIL	385	INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
2.060	126.203	242 TO 54EB RT	GUARDRAIL	1650	INCLUDES 2 BRIDGE TRANSITION SECTIONS
0.255		242 W RT	GUARDRAIL	95	INCLUDES 2 END ANCHORS
0.026	0.253	54E TO 242 RT	GUARDRAIL	1165	INCLUDES 1 CET & 1 END ANCHOR
0.026	0.147	54W TO JEFFRIES	GUARDRAIL	675	INCLUDES 1 CET & 1 END ANCHOR
0.702	0.739	JEFFRIES S RT	GUARDRAIL	175	INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
0.711	0.739	JEFFRIES S LT	GUARDRAIL	140	INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
0.775	0.789	JEFFRIES S RT	GUARDRAIL	65	INCLUDES 1 END ANCHOR & 1 BRIDGE TRANSITION SECTION
0.775	0.817	JEFFRIES S LT	GUARDRAIL	200	INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
3.969	4.030	OB PKWY N LT	GUARDRAIL	425	INCLUDES 1 CET & DBL FACED GUARDRAIL (AT END)
0.153	0.535	54W TO CASE RT	GUARDRAIL	820	INCLUDES 1 CET
0.532	0.623	CASE TO 54W RT	GUARDRAIL	2010	INCLUDES 1 END ANCHOR
0.046	0.700	54W TO CASE LT	GUARDRAIL	1000	INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
0.017	0.700	CASE TO 54W LT	GUARDRAIL	250	INCLUDES 1 END ANCHOR & 1 BRIDGE TRANSITION SECTION
0.737	0.751	CASE S RT	GUARDRAIL	88	INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
0.737	0.187	CASE TO 54E LT	GUARDRAIL	1100	INCLUDES 1 END ANCHOR &1 BRIDGE TRANSITION SECTION
0.807	0.263	CASE TO 54E RT	GUARDRAIL	1465	INCLUDES 1 CET & 1 END ANCHOR
1.725	152.439	NICHOLS TO 54W RT	GUARDRAIL	1335	INCLUDES 1 CET & 1 END ANCHOR
1.798	1.814	NICHOLS RD SB LT	GUARDRAIL	88	INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
1.814	0.015	NICHOLS TO 54W LT	GUARDRAIL	180	INCLUDES 1 END ANCHOR & 1 BRIDGE TRANSITION SECTION
1.831	1.852	NICHOLS S RT	GUARDRAIL	88	INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
1.831	1.855	NICHOLS S LT	GUARDRAIL	88	INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
0.113	1.885	54E TO NICHOLS RT	GUARDRAIL	750	INCLUDES 2 CET'S
0.057	2.480	54W TO RT Y RT	GUARDRAIL	1650	INCLUDES 2 CET'S
0.078	2.594	54W TO RT Y LT	GUARDRAIL	1400	INCLUDES 1 CET & 1 BRIDGE TRANSITION SECTION
2.484	155.992	RT Y TO 54W RT	GUARDRAIL	1970	INCLUDES 1 CET & 1 END ANCHOR
2.594	0.141	RT Y TO 54W LT	GUARDRAIL	890	INCLUDES 1 END ANCHOR & 1 BRIDGE TRANSITION SECTION
2.633	2.655	RT Y E LT & RT	GUARDRAIL	232	INCLUDES 2 CET'S & 2 BRIDGE TRANSITION SECTIONS
0.138	0.253	RT Y TO 54E LT	GUARDRAIL	607	INCLUDES 1 CET & 1 END ANCHOR
0.138	116.464	RT Y TO 54E RT	GUARDRAIL	965	INCLUDES 1 CET & 1 END ANCHOR
ROUTE KK					
2.477	2.573	ROUTE KK RT		507	INCLUDES 1 CET, UIP END ANCHOR
2.499	2.570	ROUTE KK LT		375	UIP 2 CET'S
			TOTAL	1 LUMP SUM	

HIGH FRICTION SURFACE TREATMENT

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	AVG WIDTH FT	HIGH FRICTION SURFACE TREATMENT SQYD	REMARKS
WBL						
156.847	157.083		1,246.1	24	3,322.93	
EBL						
114.727	114.950		1,177.4	24	3,139.73	
				TOTAL	6,462.66	
				USE	6,463	

CONCRETE MEDIAN BARRIER

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	AVG WIDTH FT	4" CONCRETE MEDIAN STRIP SQYD	REMARKS
161.005	161.022	RTE 54	90.0	1.5	15.00	SEE SPECIAL SHEETS FOR DETAILS
				TOTAL	15	
				USE	15	RTE 54 LOCATIONS BASED ON WESTBOUND LOG MILES

SUMMARY OF QUANTITIES
SHEET 3 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:29:29 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SUMMARY OF QUANTITIES
SHEET 3 OF 27

PAVEMENT

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	SP125C w/ PG 70-22 AVG WIDTH FT	SP125C w/ PG 70-22 DEPTH IN	SP125C w/ PG 70-22 AREA SY	SP125C w/ PG 70-22 TONS	SP125C w/ PG 70-22 TACK COAT GAL	SURFACE SEALING TREATMENT AVG WIDTH FT	SURFACE SEALING TREATMENT AREA SY	REMARKS
WBL											
145.250	145.460	RTE 54 WB	1,108.8						15.0	1848	SHLDR - LT (5') & RT (10')
145.460	145.479	RTE 54 WB	100.3						13.0	145	SHLDR - LT (5') & RT (14' TO 2')
145.479	145.999	RTE 54 WB	2,745.6						9.0	2746	SHLDR - LT (5') & RT (4')
0.036	0.153	RAMP	617.8						8.0	549	242 TO 54WB RAMP SHLDRS - LT (4') & RT (4')
0.015	0.049	RAMP	179.5						4.0	80	242 TO 54WB RAMP SHLDRS - LT (4') & RT (0')
0.049	0.090	RAMP	216.5						8.0	192	242 TO 54WB RAMP SHLDRS - LT (4') & RT (4')
0.090	0.165	RAMP	396.0						4.0	176	242 TO 54WB RAMP SHLDRS - LT (4') & RT (0')
145.999	146.060	RTE 54 WB	322.1						12.0	429	SHLDR - LT (5') & RT (4' TO 10')
146.060	146.678	RTE 54 WB	3,263.0						15.0	5438	SHLDR - LT (5') & RT (10')
146.678	149.702	RTE 54 WB									PROJECT EXCEPTION
149.702	150.021	RTE 54 WB									BR J0832 EXCEPTION
150.021	150.028	RTE 54 WB	37.0								SHLDR - LT (0'- CONCRETE) & RT (0' - CONCRETE)
150.028	150.045	RTE 54 WB	89.8						5.0	50	SHLDR - LT (0'- CONCRETE) & RT (3 TO 7')
150.045	150.150	RTE 54 WB	554.4						7.0	431	SHLDR - LT (0'- CONCRETE) & RT (7')
150.150	150.227	RTE 54 WB	406.6						15.8	714	SHLDR - LT (11.5' - 6') & RT (7')
150.227	150.302	RTE 54 WB	396.0						12.0	528	SHLDR - LT (5') & RT (7')
0.019	0.162	RAMP	755.0						9.0	755	54WB TO JEFFRIES RD RAMP SHLDR - LT(3') & RT (6')
150.302	150.321	RTE 54 WB	100.3						8.0	89	SHLDR - LT (5') & RT (3')
150.321	150.361	RTE 54 WB	211.2						11.0	258	SHLDR - LT (5') & RT (3' TO 9')
150.361	150.641	RTE 54 WB	1,478.4						14.0	2300	SHLDR - LT (5') & RT (9')
150.641	150.701	RTE 54 WB	316.8						11.0	387	SHLDR - LT (5') & RT (9' TO 3')
150.701	150.841	RTE 54 WB	739.2						8.0	657	SHLDR - LT (5') & RT (3')
0.020	0.202	RAMP	961.0						10.0	1068	54WB TO CASE RD RAMP SHLDR - LT (6') & RT (4')
150.841	150.861	RTE 54 WB	105.6						11.0	129	SHLDR - LT (5') & RT (3' TO 9')
150.861	151.261	RTE 54 WB	2,112.0						14.0	3285	SHLDR - LT (5') & RT (9')
151.261	151.281	RTE 54 WB	105.6						16.5	194	SHLDR - LT (5') & RT (15' TO 2', 3')
151.281	152.098	RTE 54 WB	4,313.8						8.0	3834	SHLDR - LT (5') & RT (3')
0.009	0.260	RAMP	1,325.3						8.0	1178	CASE RD TO 54WB RAMP SHLDR - LT (4') & RT (4')
152.098	152.119	RTE 54 WB	110.9						14.5	179	SHLDR - LT (5') & RT (2' TO 9', 4')
0.031	0.150	RAMP	628.3						8.0	558	54WB TO NICHOLS RD RAMP SHLDR - LT (4') & RT(4')
152.119	152.159	RTE 54 WB	211.2						11.0	258	SHLDR - LT (5') & RT (3' TO 9')
152.159	152.224	RTE 54 WB	343.2						14.0	534	SHLDR - LT (5') & RT (9')
152.224	152.233	RTE 54 WB	47.5						5.0	26	SHLDR - LT (5') & RT (0')
152.233	152.398	RTE 54 WB	871.2						14.0	1355	SHLDR - LT (5') & RT (9')
0.008	0.168	RAMP	844.8						8.0	751	NICHOLS RD TO 54WB RAMP SHLDR - LT (4') & RT (4')
152.398	152.439	RTE 54 WB	216.5						17.5	421	SHLDR - LT (5') & RT (15' TO 2', 4')
152.439	152.758	RTE 54 WB	1,684.3						8.0	1497	SHLDR - LT (5') & RT (3')
152.758	152.777	RTE 54 WB	100.3						14.0	156	SHLDR - LT (5') & RT (2' TO 8', 4')
0.034	0.205	RAMP	902.9						8.0	803	54WB TO KK RAMP SHLDR - LT (4') & RT (4')
152.777	152.817	RTE 54 WB	211.2						11.0	258	SHLDR - LT (5') & RT (3' TO 9')
152.817	153.118	RTE 54 WB	1,589.3						14.0	2472	SHLDR - LT (5') & RT (9')
153.118	153.157	RTE 54 WB	205.9						17.5	400	SHLDR - LT (5') & RT (15' TO 2', 4')
0.010	0.190	RAMP	950.4						8.0	845	KK TO 54WB RAMP SHLDR - LT (4') & RT (4')
153.157	153.355	RTE 54 WB	1,045.4						8.0	929	SHLDR - LT (5') & RT (3')
153.355	153.394	RTE 54 WB	205.9						11.0	252	SHLDR - LT (5') & RT (3' TO 9')
153.394	153.675	RTE 54 WB	1,483.7						15.0	2473	SHLDR - LT (5') & RT (10')
153.675	153.694	RTE 54 WB									CONC PVMT & SHLDR EXCEPTION
153.694	153.794	RTE 54 WB	528.0						14.0	821	SHLDR - LT (5') & RT (9')
153.794		RTE 54 WB LT		VAR	2	325.00	34.79	32.50			J-TURN
153.794	153.827	RTE 54 WB RT	174.2	VAR	2	230.00	24.62	23.00			J-TURN BUBBLE - NO SHOULDER
153.794	153.811	RTE 54 WB	89.8								NO SHOULDER
153.811	153.832	RTE 54 WB LT	110.9	13	2	160.19	17.15	16.02			ACCEL LANE (10') - SHLDR - LT (3') & RT (0')
153.832	154.014	RTE 54 WB	961.0	13	2	1,388.11	148.60	138.81	9.0	961	ACCEL LANE (10') - SHLDR - LT (3') & RT (9')
154.014	154.055	RTE 54 WB	216.5						12.0	289	SHLDR - LT (3') & RT (9') - KEY LARGO
154.055	154.134	RTE 54 WB LT	417.1						17.5	811	SHLDR - LT (3') & GORE(2' TO 27') - KEY LARGO
154.055	154.096	RTE 54 WB RT	216.5						9.0	217	SHLDR - RT (9')
154.096	154.400	RTE 54 WB RT	1,605.1	13	2	2,318.48	248.21	231.85			DECEL/ACCEL LANE - RT (9') - LT (3') & RT (1') CONCRETE ADJACENT (REMOVE RUMBLES)
154.134		RTE 54 WB RT		VAR	2	300.00	32.12	30.00			KEY LARGO
154.134	154.400	RTE 54 WB LT	1,404.5						3.0	468	SHLDR - LT (3')
154.400	154.459	RTE 54 WB	311.5						12.0	415	SHLDR - LT (3') & RT (9')
154.459	154.480	RTE 54 WB	110.9	28	2.75	345.02	50.79	34.50			
154.472		RTE 54 WB RT		VAR	2.75	205.00	30.18	20.50			PRIVATE ENTRANCE
154.480	154.520	RTE 54 WB	211.2	30	2.75	704.00	103.63	70.40	8.0	188	
154.520	154.541	RTE 54 WB	110.9	28	2.75	345.02	50.79	34.50			
154.528		RTE 54 WB RT		VAR	2.75	200.00	29.44	20.00			PRIVATE ENTRANCE
154.541	154.601	RTE 54 WB	316.8	40	2.75	1,408.00	207.26	140.80			RT TURN LANE (10')
154.601	154.713	RTE 54 WB	591.4	47	2.75	3,088.42	454.62	308.84			RT TURN LANE TAPER (10' TO 24") - INCLUDES GORE
154.713	154.727	RTE 54 WB	73.9	60	2.75	492.67	72.52	49.27			RUNABOUT DR
154.714		RTE 54 WB RT		VAR	2.75	390.00	57.41	39.00			RUNABOUT DR
154.727	154.742	RTE 54 WB	79.2	30	2.75	264.00	38.86	26.40	8.0	70	
154.742	154.753	RTE 54 WB	58.1	28	2.75	180.76	26.61	18.08			
154.747		RTE 54 WB RT		VAR	2.75	135.00	19.87	13.50			PRIVATE ENTRANCE
154.753	154.818	RTE 54 WB	343.2	30	2.75	1,144.00	168.40	114.40	8.0	305	
154.818	154.829	RTE 54 WB	58.1	28	2.75	180.76	26.61	18.08			
154.824		RTE 54 WB RT		VAR	2.75	110.00	16.19	11.00			PRIVATE ENTRANCE
154.829	154.930	RTE 54 WB	533.3	30	2.75	1,777.67	261.68	177.77	8.0	474	
154.930	154.944	RTE 54 WB	73.9	28	2.75	229.91	33.84	22.99			
154.939		RTE 54 WB RT		VAR	2.75	175.00	25.76	17.50			SPRING VALLEY
154.944	155.081	RTE 54 WB	723.4	30	2.75	2,411.33	354.95	241.13	8.0	643	
155.081	155.098	RTE 54 WB	89.8	28	2	279.38	29.91	27.94			
155.084		RTE 54 WB RT		VAR	2	165.00	17.66	16.50			PRIVATE DRIVE
155.098	156.200	RTE 54 WB	5,818.6								CONC PVMT & SHLDR EXCEPTION
0.110	0.135	RP 54W TO RT Y	135.0	30	2	450.00	48.18	45.00			ASPHALT LOCATION ON RAMP
2.582	2.594	RT Y E	63.4	40	2	281.78	30.17	28.18			ASPHALT LOCATION AT BRIDGE END
					SUBTOTAL (1)	2,660.82	1,968.46		47,289.0		

* ANY LOCATIONS WITH ASPHALT SHOULDER 4' OR LESS IN WIDTH - USE SAME TREATMENT AS MAINLINE

SUMMARY OF QUANTITIES
SHEET 4 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:29:20 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SUMMARY OF QUANTITIES
SHEET 4 OF 27

PAVEMENT (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	SP125C w/ PG 70-22 AVG WIDTH FT	SP125C w/ PG 70-22 DEPTH IN	SP125C w/ PG 70-22 AREA SY	SP125C w/ PG 70-22 TONS	TACK COAT GAL	SURFACE SEALING TREATMENT AVG WIDTH FT	SURFACE SEALING TREATMENT AREA SY	REMARKS
WBL (CONTINUED)											
156.200	157.198	RTE 54 WB	5,269.4	30	2	17,564.67	1,880.40	1,756.47	8.0	4684	
157.198		RTE 54 WB LT		VAR	2	345.00	36.93	34.50			J-TURN
157.198	157.219	RTE 54 WB RT	110.9	VAR	2	240.00	25.69	24.00			J-TURN BUBBLE
157.198	157.206	RTE 54 WB	42.2	28	2	131.29	14.06	13.13			NO SHOULDERS
157.206	157.219	RTE 54 WB	68.6	42	2	320.13	34.27	32.01			ACCEL LANE (12')
157.219	157.319	RTE 54 WB	528.0	50	2	2,933.33	314.03	293.33			RT TURN (10') & LT ACCEL/DECEL LANE (12')
157.298		RTE 54 WB RT		VAR	2	170.00	18.20	17.00			CAPE WOOD
157.319	157.373	RTE 54 WB	285.1	42	2	1,330.47	142.43	133.05	8.0	253	LT ACCEL/DECEL LANE (12')
157.373	157.385	RTE 54 WB RT	63.4	42	2	295.87	31.67	29.59			LT ACCEL/DECEL LANE (12')
157.373		RTE 54 WB RT		VAR	2	135.00	14.45	13.50			PRIVATE ENTRANCE
157.385		RTE 54 WB RT		VAR	2	135.00	14.45	13.50			CAMPGROUND RD
157.385	157.397	RTE 54 WB	63.4	42	2	295.87	31.67	29.59			LT ACCEL/DECEL LANE (12')
157.397	157.508	RTE 54 WB	586.1	42	2	2,735.13	292.81	273.51	8.0	521	LT ACCEL/DECEL LANE (12')
157.508	157.515	RTE 54 WB	37.0	42	2	172.67	18.49	17.27			LT ACCEL/DECEL LANE (12')
157.508		RTE 54 WB RT		VAR	2	70.00	7.49	7.00			PRIVATE ENTRANCE
157.515	157.538	RTE 54 WB	121.4	42	2	566.53	60.65	56.65	8.0	108	LT ACCEL/DECEL LANE (12')
157.538		RTE 54 WB RT		VAR	2	50.00	5.35	5.00			PRIVATE ENTRANCE
157.538	157.544	RTE 54 WB	31.7	42	2	147.93	15.84	14.79			LT ACCEL/DECEL LANE (12')
157.544	157.552	RTE 54 WB	42.2	42	2	196.93	21.08	19.69	8.0	38	LT ACCEL/DECEL LANE (12')
157.552		RTE 54 WB RT		VAR	2	70.00	7.49	7.00			PRIVATE ENTRANCE
157.552	157.558	RTE 54 WB	31.7	42	2	147.93	15.84	14.79			LT ACCEL/DECEL LANE (12')
157.558	157.659	RTE 54 WB	533.3	42	2	2,488.73	266.43	248.87	8.0	474	LT ACCEL/DECEL LANE (12')
157.659		RTE 54 WB RT		VAR	2	120.00	12.85	12.00			WOLVERINES WAY
157.659	157.680	RTE 54 WB	110.9	42	2	517.53	55.40	51.75			LT ACCEL/DECEL LANE (12')
157.680		RTE 54 WB RT		VAR	2	150.00	16.06	15.00			PRIVATE ENTRANCE
157.680	157.696	RTE 54 WB		46							LT ACCEL/DECEL LANE TAPER (12' TO 20')
157.696	157.761	RTE 54 WB	343.2	62	2	2,306.49	246.92	230.65	8.0	305	LT ACCEL/DECEL LANE TAPER (20' TO 44') SUBTRACT CABLE AREA
157.740		RTE 54 WB LT	130.0						4.0	58	AROUND GUARD CABLE
157.761		RTE 54 WB RT		VAR	2	150.00	16.06	15.00			PRIVATE ENTRANCE
157.761	157.776	RTE 54 WB	79.2	30	2	264.00	28.26	26.40			
157.776	158.122	RTE 54 WB	1,826.9	30	2	6,089.67	651.93	608.97	8.0	1624	
158.122	158.178	RTE 54 WB	295.7	37	2	1,215.66	130.14	121.57	8.0	263	LEFT DECEL LANE TAPER (2' TO 12')
158.178	158.257	RTE 54 WB	417.1	42	2	1,946.47	208.38	194.65		0	LEFT DECEL LANE (12')
158.257		RTE 54 WB LT		VAR	2	355.00	38.00	35.50			J-TURN
158.257	158.278	RTE 54 WB	110.9	28	2	345.02	36.94	34.50	8.0	99	
158.278	158.340	RTE 54 WB	327.4	30	2	1,091.33	116.83	109.13	8.0	291	
158.340		RTE 54 WB RT		VAR	2	60.00	6.42	6.00			PRIVATE ENTRANCE
158.340	158.348	RTE 54 WB	42.2	32	2	150.04	16.06	15.00			
158.348	158.438	RTE 54 WB	475.2	36	2	1,900.80	203.49	190.08	5.0	264	SHLDR - LT (4' TO 12') & RT (8' TO 2')
158.438	158.578		739.2	40	2	3,285.33	351.71	328.53			
158.578		RTE 54 WB LT		VAR	2	450.00	48.18	45.00			CROSSOVER
158.578	158.597	RTE 54 WB	100.3	26	2	289.76	31.02	28.98			
158.597	158.620	RTE 54 WB	121.4	42	2	566.53	60.65	56.65			LEFT ACCEL LANE (12')
158.600		RTE 54 WB RT		VAR	2	25.00	2.68	2.50			
158.620	158.663	RTE 54 WB									BR A5241 EXCEPTION
158.663	158.795	RTE 54 WB	697.0	36	2	2,788.00	298.47	278.80			
158.663	158.717	RTE 54 WB RT	285.1	16	2	506.84	54.26	50.68			TAPER 4' TO 20', SHLDR - 4'
158.663	158.734	RTE 54 WB LT	374.9	34.5	2	1,437.12	153.85	143.71			TAPER 4' TO 57', SHLDR - 4'
158.692		RTE 54 WB RT		VAR	2	30.00	3.21	3.00			PRIVATE ENTRANCE
158.733		RTE 54 WB RT		VAR	2	870.00	93.14	87.00			EAST VALLEY DR
158.733		RTE 54 WB LT		VAR	2	105.00	11.24	10.50			CROSSOVER
158.758	158.795	RTE 54 WB	195.4	44	2	955.29	102.27	95.53			RT ACCEL LANE (12')
158.795	158.937	RTE 54 WB	749.8	38	2	3,165.82	338.92	316.58			RT ACCEL LANE TAPER (12' TO 0')
158.937	158.970	RTE 54 WB	174.2	30	2	580.67	62.16	58.07	8.0	155	
158.970		RTE 54 WB RT		VAR	2	100.00	10.71	10.00			PRIVATE ENTRANCE
158.970	158.977		37.0	32	2	131.56	14.08	13.16			
158.977	159.064	RTE 54 WB	459.4	26	2	1,327.16	142.08	132.72	8.0	408	SHLDR - LT (0') & RT (8')
158.977	159.076	RTE 54 WB LT	522.7	35	2	2,032.72	217.61	203.27			TAPER 2' TO 60', SHLDR 4'
159.076		RTE 54 WB RT		VAR	2	330.00	35.33	33.00			LOCUST ST
159.076		RTE 54 WB LT		VAR	2	335.00	35.86	33.50			CROSSOVER
159.064	159.095	RTE 54 WB	163.7	24	2	436.53	46.73	43.65			SHLDR - LT (0') & RT (0')
159.095	159.282	RTE 54 WB	987.4	28	2	3,071.91	328.87	307.19	8.0	878	
159.282	159.334	RTE 54 WB									BR A5242 EXCEPTION
159.334	159.412	RTE 54 WB	411.8	42	2	1,921.73	205.73	192.17	8.0	366	LEFT DECEL LANE (12')
159.412	159.434	RTE 54 WB	116.2	24	2	309.87	33.17	30.99			
159.420		RTE 54 WB RT		VAR	2	400.00	42.82	40.00			WEST VALLEY RD
159.420		RTE 54 WB LT		VAR	2	775.00	82.97	77.50			CROSSOVER
159.434	159.653	RTE 54 WB	1,156.3	30	2	3,854.33	412.63	385.43	8.0	1028	
159.653	159.685	RTE 54 WB	169.0	34	2	638.44	68.35	63.84			SHLDR RT TAPER (6' TO 10')
159.685	159.697	RTE 54 WB	63.4	24	2	169.07	18.10	16.91			
159.687				VAR	2	175.00	18.73	17.50			CROSS CREEK DR
159.687		RTE 54 WB LT		VAR	2	370.00	39.61	37.00			CROSSOVER
159.697	159.896	RTE 54 WB	1,050.7	30	2	3,502.33	374.94	350.23	8.0	934	
WBL & EBL (UNDIVIDED SECTION) - WB LOG MILES											
159.896	159.980	RTE 54	443.5	86	2	4,237.89	453.69	423.79	16.0	788	SHLDR - LT (0') & RT (8'), EB SHLDR RT (8')
159.896			210.0						4.0	93	AROUND GUARD CABLE
159.980	160.000	RTE 54	105.6	86	2	1,009.07	108.03	100.91	14.0	164	SHLDR - LT (8 '') & RT (8' TO 4') - RIGHT TURN LANE TAPER (0' TO 12')
160.000	160.020	RTE 54	105.6	89	2	1,044.27	111.79	104.43	12.0	141	SHLDR - LT (8') & RT (4') - RIGHT TURN LANE (12')
160.020	160.040	RTE 54	105.6	72	2	844.80	90.44	84.48	8.0	94	SHLDR - LT (8') & RT (0') - RIGHT TURN LANE (0')
160.040	160.119	RTE 54	417.1	72	2	3,336.80	357.22	333.68			BEGIN CURB AND GUTTER SECTION
160.119	160.259	RTE 54	739.2	66	2	5,420.80	580.33	542.08			CURB AND GUTTER SECTION - MIDDLE LANE TAPER (24' TO 12')
160.259	160.399	RTE 54	739.2	62	2	5,092.27	545.16	509.23			
160.399	160.438	RTE 54	205.9	68	2	489.00	52.35	48.90			RIGHT TURN LANE TAPER (0' TO 12')
160.438	160.498	RTE 54	316.8	74	2	2,604.80	278.86	260.48			RIGHT TURN LANE - 12'
160.498	160.538	RTE 54	211.2	68	2	1,595.73	170.83	159.57			RIGHT TURN LANE TAPER (12' TO 0')
160.538	160.808	RTE 54	1,425.6	62	2	9,820.80	1,051.37	982.08			
160.690		RTE 54 LT		VAR	2	350.00	37.47	35.00			LAKER PRIDE RD
160.690		RTE 54 RT		VAR	2	460.00	49.25	46.00			JACK CROWELL RD
160.808	160.835	RTE 54	142.6	52	2	823.91	88.20	82.39			RAISED MEDIAN IN MIDDLE LANE
160.835	160.850	RTE 54	79.2	62	2	545.60	58.41	54.56			
160.850	160.908	RTE 54	306.2								BR A6392 EXCEPTION
160.908	160.946	RTE 54	200.6	62	2	1,381.91	147.94	138.19			
160.964	161.005	RTE 54	216.5	52	2	1,250.89	133.91	125.09			RAISED MEDIAN IN MIDDLE LANE
161.005	161.022	RTE 54	89.8	58	2	578.71	61.95	57.87			18" WIDE MEDIAN IN MIDDLE LANE
											RTE 54 LOCATIONS BASED ON WESTBOUND LOG MILES
					SUBTOTAL (2)	13,170.74	12,302.76			14,031.0	

* ANY LOCATIONS WITH ASPHALT SHOULDER 4' OR LESS IN WIDTH - USE SAME TREATMENT AS MAINLINE

SUMMARY OF QUANTITIES
SHEET 5 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/29/2025 12:29:13 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SUMMARY OF QUANTITIES
SHEET 5 OF 27

PAVEMENT (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	SP125C w/ PG 70-22 AVG WIDTH FT	SP125C w/ PG 70-22 DEPTH IN	SP125C w/ PG 70-22 AREA SY	SP125C w/ PG 70-22 TONS	SP125C w/ PG 70-22 TACK COAT GAL	SURFACE SEALING TREATMENT AVG WIDTH FT	SURFACE SEALING TREATMENT AREA SY	REMARKS
WBL & EBL (UNDIVIDED SECTION) - WB LOG MILES (CONTINUED)											
161.022	161.627	RTE 54	3,194.4	62	2	22,005.87	2,355.85	2,200.59			END CURB AND GUTTER SECTION
161.579		RTE 54 WB RT		VAR	2	3,400.00	363.99	340.00			BUSINESS ROUTE 5
161.579		RTE 54 WB LT		VAR	2	2,055.00	220.00	205.50			BUSINESS ROUTE 5
161.627	162.791	RTE 54	6,145.9								PROJ EXCEPTION
162.791	162.983	RTE 54	1,013.8	52	2.75	5,857.51	862.23	585.75			SHLDR - LT (4') & RT (4')
162.960		RTE 54 WB LT		VAR	2.75	90.00	13.25	9.00			BUMPER HILL RD
162.983	163.063	RTE 54	422.4	54	2.75	2,534.40	373.07	253.44	7.0	329	TAPER MIDDLE LANE (12' TO 0'), SHLDR - LT (4') & RT (4' TO 10')
163.063	163.185	RTE 54	644.2	50	2.75	3,578.89	526.82	357.89	8.0	573	SHLDR - LT (4') & RT (8')
163.185	163.479	RTE 54	1,552.3	42	2.75	7,244.07	1,066.34	724.41	8.0	1380	SHLDR - LT (4') & RT (8')
163.479	163.485	RTE 54	31.7	40	2.75	140.89	20.74	14.09	8.0	28	
163.481		RTE 54 LT		VAR	2.75	25.00					HESCOCK DR
163.485	163.546	RTE 54	322.1	40	2.75	1,431.56	210.73	143.16	8.0	286	
163.546	163.586	RTE 54	211.2	32	2.75	750.93	110.54	75.09	16.0	375	EB CLIMBING LANE TAPER (12' TO 0'), SHLDR TAPER (4' TO 8') EB
163.586	163.826	RTE 54	1,267.2	28	2.75	3,942.40	580.33	394.24	16.0	2253	
163.826	163.886	RTE 54	316.8	34	2.75	1,196.80	176.17	119.68	14.0	493	SHLDR LT (8' TO 6') & RT (8'), MIDDLE LANE TAPER (0' TO 12')
163.886	164.065	RTE 54	945.1	38	2.75	3,990.42	587.40	399.04	8.0	840	SHLDR LT (8') & RT (0'), MIDDLE LANE (12')
163.883	163.900	RTE 54	89.8	40	2.75	399.11	58.75	39.91	8.0	80	SHLDR LT (8') & RT (0'), MIDDLE LANE (12')
163.892		RTE 54 WB RT		VAR	2.75	320.00	47.10	32.00			BALL PARK RD
163.900	164.065	RTE 54	871.2	40	2.75	3,872.00	569.96	387.20	16.0	1549	SHLDR LT (8') & RT (8'), MIDDLE LANE (12')
164.041		RTE 54 WB LT		VAR	2.75	620.00	91.26	62.00			ROUTE D
164.065	164.118	RTE 54	279.8	34	2	1,057.02	113.16	105.70	16.0	497	SHLDR LT (6' TO 8') & RT (8'), MIDDLE LANE TAPER (12' TO 0')
164.123		RTE 54 WB RT		VAR	2	60.00	6.42	6.00			GREEN BEACH LN
164.118	164.131	RTE 54	68.6	26	2	198.18	21.22	19.82	8.0	61	
164.131	164.143	RTE 54	63.4	28	2	197.24	21.12	19.72	16.0	113	
164.143	164.181	RTE 54	200.6	26	2	579.51	62.04	57.95	8.0	178	
164.165		RTE 54 WB LT		VAR	2	445.00	47.64	44.50			W LAKE PARK
164.181	164.202	RTE 54	110.9	28	2	345.02	36.94	34.50	16.0	197	
164.202	164.463	RTE 54									BR A5753 EXCEPTION
164.463	164.544	RTE 54	427.7	28	2	1,330.62	142.45	133.06	16.0	760	
164.544	164.624	RTE 54	422.4	34	2	1,595.73	170.83	159.57	16.0	751	MIDDLE LANE TAPER (0' TO 12')
164.624	164.643	RTE 54	100.3	46	2	512.64	54.88	51.26	13.0	145	RT TURN LANE TAPER (0' TO 12'), MIDDLE LANE (12'),SHLDR LT (8') & RT (8' TO 2')
164.643	164.664	RTE 54	110.9	50	2	616.11	65.96	61.61	8.0	99	RT TURN ENDS, MIDDLE LANE (12'), SHLDR LT (8') & RT (2')
164.664	164.685	RTE 54	110.9	38	2	468.24	50.13	46.82	8.0	99	
164.676		RTE 54 WB RT		VAR	2	335.00	35.86	33.50			CEDAR HEIGHTS DR
164.685	164.728	RTE 54	227.0	40	2	1,008.89	108.01	100.89	16.0	404	
164.728	164.757		153.1	36	2	612.40	65.56	61.24			
164.739		RTE 54 WB RT		VAR	2	350.00	37.47	35.00			OLD HIGHWAY 54
164.739		RTE 54 WB LT		VAR	2	550.00	58.88	55.00			SUNNY SLOPE DR
164.757	164.826	RTE 54	364.3	40	2	1,619.11	173.33	161.91	16.0	648	
164.826	164.962	RTE 54	718.1	34	2	2,712.82	290.42	271.28	16.0	1277	MIDDLE LANE TAPER (12' TO 0')
164.962	164.980	RTE 54	95.0	28	2	295.56	31.64	29.56	16.0	169	
EBL											
111.925	112.042	RTE 54 EB	617.8	30	2.75	2,059.33	303.14	205.93	8.0	549	
112.042	112.101	RTE 54 EB	311.5	36	2.75	1,246.00	183.41	124.60	8.0	277	LEFT DECEL LANE TAPER (0' TO 12'), SHLDR LT (3' TO 2') & RT (8')
112.101	112.125	RTE 54 EB	126.7	41	2.75	577.19	84.96	57.72	8.0	113	LEFT DECEL LANE (12'), SHLDR LT (2') & RT (8')
112.125	112.137	RTE 54 EB	63.4	27	2.75	190.20	28.00	19.02	8.0	56	SHLDR LT (0') & RT (8')
112.137	112.302	RTE 54 EB	871.2	30	2.75	2,904.00	427.47	290.40	8.0	774	
112.302	112.382	RTE E4 EB	422.4	36	2.75	1,689.60	248.71	168.96	8.0	375	LEFT DECEL LANE TAPER (0' TO 12'), SHLDR LT (3' TO 2') & RT (8')
112.382	112.405	RTE 54 EB	121.4	24	2.75	323.73	47.65	32.37			
112.396		RTE 54 EB RT		VAR	2.75	350.00	51.52	35.00			WILLOW CREEK DR
112.405	112.486	RTE 54 EB	427.7	30	2.75	1,425.67	209.86	142.57	8.0	380	
112.486	112.499	RTE 54 EB									BR A1063 EXCEPTION
112.499	112.644	RTE 54 EB	765.6	30	2.75	2,552.00	375.66	255.20	8.0	681	
112.644	112.786	RTE 54 EB	749.8	27	2.75	2,249.40	331.11	224.94			SHLDR LT (0') & RT (0')
112.644	112.741	RTE 54 EB LT	512.2	32	2.75	1,821.16	268.08	182.12			LT OFFSET LEFT (0' TO 60'), SHLDR LT (2')
112.644	112.738	RTE 54 EB RT	496.3	19	2.75	1,047.74	154.23	104.77			RT OFFSET RIGHT (0' TO 34'), SHLDR RT (2')
112.738		RTE 54 EB RT		VAR	2.75	425.00	62.56	42.50			ROUTE V
112.786	112.851	RTE 54 EB	343.2	30	2.75	1,144.00	168.40	114.40	8.0	305	
112.859		RTE 54 EB RT		VAR	2.75	140.00	20.61	14.00			PRIVATE ENTRANCE
112.851	112.867	RTE 54 EB	84.5	28	2.75	262.89	38.70	26.29			
112.867	112.962	RTE 54 EB	501.6	30	2.75	1,672.00	246.12	167.20	8.0	446	
112.962	112.984	RTE 54 EB	116.2	30	2.75	387.33	57.02	38.73			SHLDR RT (0')
112.962	113.063	RTE 54 EB RT	533.3	13	2.75	770.32	113.39	77.03			RT OFFSET RIGHT (0' TO 22'), SHLDR RT (2')
112.984	113.084	RTE 54 EB LT	528.0	30.5	2.75	1,789.33	263.39	178.93			LT OFFSET LEFT (0' TO 57'), SHLDR LT (2')
112.984	113.110	RTE 54 EB	665.3	27	2.75	1,995.90	293.80	199.59			SHLDR LT (0') & RT (0')
113.090		RTE 54 EB RT		VAR	2.75	620.00	91.26	62.00			BUSINESS PARK RD
113.110	113.171	RTE 54 EB	322.1	30	2.75	1,073.67	158.05	107.37	8.0	286	
113.171	113.202	RTE 54 EB									BR J0344 EXCEPTION
113.202	113.257	RTE 54 EB	290.4	30	2.75	968.00	142.49	96.80	8.0	258	
113.263		RTE 54 EB RT		VAR	2.75	215.00	31.65	21.50			BUSINESS PARK RD
113.257	113.263	RTE 54 EB	31.7	27	2.75	95.10	14.00	9.51			SHLDR LT (0') & RT (0')
113.263	113.285	RTE 54 EB	116.2	38	2.75	490.62	72.22	49.06			
113.285	113.502	RTE 54 EB	1,145.8	44	2.75	5,601.69	824.58	560.17			RIGHT ACCEL LANE (12'), SHLDR LT (3') & RT (2')
113.502	113.554	RTE 54 EB	274.6	36	2.75	1,098.40	161.69	109.84	5.0	153	RIGHT ACCEL LANE TAPER (12' TO 0'), SHLDR LT (3') & RT (2' TO 8')
113.554	113.585	RTE 54 EB RT	163.7	VAR	2.75	260.00	38.27	26.00			J-TURN BUBBLE, NO RT SHLDR
113.554	113.566	RTE 54 EB	63.4	27	2.75						SHLDR LT (0') & RT (0')
113.566	113.585	RTE 54 EB	100.3	42	2.75	468.07	68.90	46.81			LEFT ACCEL LANE (12'), SHLDR LT (3') & RT (0')
113.585	113.883	RTE 54 EB	1,573.4	42	2.75	7,342.53	1,080.83	734.25	8.0	1399	LEFT ACCEL LANE (12'), SHLDR LT (3') & RT (8')
113.883	113.943	RTE 54 EB	316.8	36	2.75	1,267.20	186.53	126.72	8.0	282	LEFT ACCEL LANE TAPER (12' TO 0'), SHLDR LT (3') & RT (8')
113.943	113.983	RTE 54 EB	211.2	30	2.75	704.00	103.63	70.40	8.0	188	
113.983	114.062	RTE 54 EB	417.1	50	2.75	2,317.22	341.10	231.72	5.5	255	RIGHT TURN LANE (0' TO 40'), SHLDR LT (3') & RT (8' TO 3")
114.062	114.067	RTE 54 EB	26.4	30	2.75	88.00	12.95	8.80			SHLDR RT (0')
114.069		RTE 54 EB RT		VAR	2.75	1,385.00	203.87	138.50			ROUTE A
											RTE 54 LOCATIONS BASED ON WESTBOUND LOG MILES
					SUBTOTAL (3)		17,338.30	12,933.60		20,361.00	

* ANY LOCATIONS WITH ASPHALT SHOULDER 4' OR LESS IN WIDTH - USE SAME TREATMENT AS MAINLINE

SUMMARY OF QUANTITIES
SHEET 6 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 12:29:06 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE 54/KK | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY CAMDEN
JOB NO. J5P3554
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)

SUMMARY OF QUANTITIES
SHEET 6 OF 27

PAVEMENT (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	SP125C w/ PG 70-22 AVG WIDTH FT	SP125C w/ PG 70-22 DEPTH IN	SP125C w/ PG 70-22 AREA SY	SP125C w/ PG 70-22 TONS	SP125C w/ PG 70-22 TACK COAT GAL	SURFACE SEALING TREATMENT AVG WIDTH FT	SURFACE SEALING TREATMENT AREA SY	REMARKS
EBL (CONTINUED)											
114.067	114.083	RTE 54 EB	84.5	27	2.75	253.50	37.32	25.35			SHLDR LT (0') & RT (0')
114.083	114.109	RTE 54 EB	137.3	30	2.75	457.67	67.37	45.77			SHLDR LT (3') & RT (0')
114.109	114.321	RTE 54 EB	1,119.4	44	2.75	5,472.62	805.58	547.26			RIGHT ACCEL LANE (12'), SHLDR LT (3') & RT (2')
114.321	114.382	RTE 54 EB	322.1	42	2.75	1,503.13	221.26	150.31	5.0	179	RIGHT ACCEL LANE (12' TO 0'), SHLDR LT (3') & RT (2' TO 8')
114.382	114.422	RTE 54 EB	211.2	30	2.75	704.00	103.63	70.40	8.0	188	
114.422	114.482	RTE 54 EB	316.8	36	2.75	1,267.20	186.53	126.72	8.0	282	LEFT DECEL LANE (0' TO 12'), SHLDR LT (3') & RT (8')
114.482	114.522	RTE 54 EB	211.2	42	2.75	985.60	145.08	98.56	8.0	188	LEFT DECEL LANE (12'), SHLDR LT (3') & RT (8')
114.522	114.543	RTE 54 EB	110.9	40	2.75	492.89	72.55	49.29			LEFT DECEL LANE (12'), SHLDR LT (3') & RT (0')
114.522		RTE 54 EB RT		VAR	2.75	275.00	40.48	27.50			PRIVATE ENTRANCE
114.543	114.641	RTE 54 EB	517.4	42	2.75	2,414.53	355.42	241.45	8.0	460	LEFT DECEL LANE (12'), SHLDR LT (3') & RT (8')
114.641	114.662	RTE 54 EB	110.9	27	2.75	332.70	48.97	33.27	8.0	99	SHLDR LT (0') & RT (8')
114.662	115.610	RTE 54 EB	5,005.4	30	2.75	16,684.67	2,456.01	1,668.47	8.0	4449	
115.610	115.781	RTE 54 EB	902.9	30	2	3,009.67	322.20	300.97	8.0	803	
115.781	115.859	RTE 54 EB	411.8	28	2	1,281.16	137.16	128.12			SHLDER LT (4') CONCRETE RT SHOULDER
115.859	115.981	RTE 54 EB	644.2	30	2	2,147.33	229.88	214.73	8.0	573	SHLDR LT (4') & RT (2')
115.981	116.384	RTE 54 EB	2,127.8	30	2.75	7,092.67	1,044.05	709.27	8.0	1891	
116.384	117.400	RTE 54 EB									CONCRETE SECTION (MAINLINE & SHLDRS)
117.400	117.520	RTE 54 EB	633.6						14.0	986	SHLDR LT (4') & RT (10')
117.520	117.573	RTE 54 EB	279.8						10.0	311	SHLDR LT (0') & RT (10')
117.573	117.601	RTE 54 EB	147.8						5.0	82	SHLDR LT (0') & RT (6' TO 4')
117.601	117.621	RTE 54 EB	105.6						4.0	47	SHLDR LT (4') & RT (0')
117.621	117.663	RTE 54 EB	221.8	12	2.75	295.73	43.53	29.57			RIGHT DECEL LANE (12'), SHLDR LT (4') & RT (4')
117.621		RTE 54 EB RT		VAR	2.75	3,800.00	559.37	380.00			KEY LARGO INTERSECTION
117.663	117.687	RTE 54 EB	126.7						4.0	56	SHLDR LT (4') & RT (0')
117.687	117.701	RTE 54 EB	73.9								SHLDR LT (0') & RT (0')
117.701	117.717	RTE 54 EB LT	84.5						4.0	38	SHLDR LT (4') & RT (0')
117.717	117.802	RTE 54 EB	448.8	12	2.75	598.40	88.09	59.84	5.0	249	RIGHT ACCEL LANE (12'), SHLDR LT (3') & RT (2')
117.802	117.842	RTE 54 EB	211.2	12	2.75	281.60	41.45	28.16	10.0	235	RIGHT ACCEL LANE (12' TO 0'), SHLDR LT (4') & RT (2' TO 10')
117.842	117.902	RTE 54 EB	316.8						14.0	493	SHLDR LT (4') & RT (10')
117.902	117.942	RTE 54 EB	211.2	6	2.75	140.80	20.73	14.08	14.0	329	LEFT DECEL LANE (0' TO 12'), SHLDR LT (4') & RT (10')
117.942	118.029	RTE 54 EB	459.4	12	2.75	612.53	90.17	61.25	14.0	715	LEFT DECEL LANE (12'), SHLDR LT (4') & RT (10')
118.029	118.043	RTE 54 EB	73.9						10.0	82	SHLDR LT (0') & RT (10')
118.043	118.083	RTE 54 EB	211.2						14.0	329	SHLDR LT (4') & RT (10')
118.083	118.143	RTE 54 EB	316.8						10.0	352	SHLDR LT (4') & RT (8' TO 4')
118.143	118.303	RTE 54 EB	844.8						8.0	751	SHLDR LT (4') & RT (4')
118.303	118.701	RTE 54 EB	2,101.4						9.0	2101	SHLDR LT (5') & RT (4')
0.024	0.194	RAMP	897.6						8.0	798	54EB TO KK RAMP SHLDR - LT (4') & RT (4')
118.701	118.761	RTE 54 EB	316.8						9.0	317	SHLDR LT (5') & RT (4')
118.761	119.080	RTE 54 EB	1,684.3						15.0	2807	SHLDR LT (5') & RT (10')
119.080	119.122	RTE 54 EB	221.8						23.0	567	SHLDR LT (5') & RT (26' TO 2'), 4' RAMP SHLDR
0.005	0.191	RAMP	982.1						8.0	873	KK TO 54EB RAMP SHLDR - LT (4') & RT (4')
119.122	119.401	RTE 54 EB	1,473.1						9.0	1473	SHLDR LT (5') & AUX LANE SHLDR (4')
0.027	0.233	RAMP	1,087.7						8.0	967	54EB TO NICHOLS RD RAMP SHLDR - LT(4') & RT (4')
119.401	119.461	RTE 54 EB	316.8						12.0	422	SHLDR LT (5') & RT (4' TO 10')
119.461	119.801	RTE 54 EB	1,795.2						15.0	2992	SHLDR LT (5') & RT(10')
119.801	119.862	RTE 54 EB	322.1						13.0	465	RT SHLDR TAPER (16' TO 2'), 4' RAMP SHLDR
0.005	0.195	RAMP	1,003.2						8.0	892	NICHOLS RD TO 54EB RAMP SHLDR - LT (4') & RT(4')
119.862	119.981	RTE 54 EB	628.3						9.0	628	SHLDR LT (5') & ACCEL LANE SHLDR (4')
119.981	120.020	RTE 54 EB	205.9						12.0	275	SHLDR LT (5') & ACCEL LANE SHLDR (4' TO 10')
120.020	120.439	RTE 54 EB	2,212.3						15.0	3687	SHLDR LT (5') & RT (10')
120.439	120.479	RTE 54 EB	211.2						12.0	282	SHLDR LT (5') & ACCEL LANE SHLDR TAPER (10' TO 4')
120.479	120.579	RTE 54 EB	528.0						9.0	528	SHLDR LT (5') & DECEL LANE SHLDR (4')
0.015	0.213	RAMP	1,045.4						8.0	929	54EB TO CASE RD RAMP SHLDR - LT(4') & RT(4')
120.579	120.600	RTE 54 EB	110.9						10.0	123	SHLDR LT (5') & DECEL LANE SHLDR TAPER (2' TO 8')
120.600	120.639	RTE 54 EB RT	205.9						11.0	252	SHLDR LT (5') & RT (4' TO 8')
120.639	121.041	RTE 54 EB RT	2,122.6						15.0	3538	SHLDR LT (5') & RT (10')
121.041	121.061	RTE 54 EB RT	105.6						17.0	199	SHLDR LT (5') & RT (14' TO 2'), 4' RAMP SHLDR
121.061	121.640	RTE 54 EB RT	3,057.1						9.0	3057	SHLDR LT (5') & AUX LANE SHLDR (4')
0.002	0.263	RAMP	1,378.1						8.0	1225	CASE RD TO 54EB RAMP SHLDR 0 LT(4') & RT(4')
121.640	121.742	RTE 54 EB RT	538.6						13.0	778	SHLDR LT (5') & RT SHLDR (10' TO 6')
121.742	121.781	RTE 54 EB RT	205.9						13.0	297	SHLDR LT (5') & RT 6' TO 2'), 4' RAMP SHLDR
121.781	121.812	RTE 54 EB RT	163.7						12.5	227	SHLDR LT (5') & AUX LANE SHLDR (10' TO 5')
121.812	122.142	RTE 54 EB									BR A5310 EXCEPTION
122.142	125.161	RTE 54 EB									PROJECT EXCEPTION
125.161	125.623	RTE 54 EB	2,439.4						10.0	2710	RT SHLDR (10')
125.623	125.663	RTE 54 EB RT	211.2						5.0	117	RT SHLDR (8' TO 2')
125.663	125.903	RTE 54 EB RT	1,267.2						2.0	282	RT SHLDR (2')
125.903	125.963	RTE 54 EB RT	316.8						5.0	176	RT SHLDR (2' TO 8')
125.963	126.082	RTE 54 EB RT	628.3						8.0	558	RT SHLDR (8')
0.060	0.225	RAMP	871.2						8.0	774	54EB TO 242 RAMP SHLDR - LT (4') & RT (4')
0.225	0.253	RAMP	147.8						4.0	66	54EB TO 242 RAMP SHLDR - LT (0') & RT (4')
0.072	0.123	RAMP	269.3						4.0	120	242 TO 54EB RAMP SHLDR - LT(4')
0.255	0.324	RTE 242 W	364.3						4.0	162	SHLDR RT (4')
0.324	0.404	RTE 242 W	422.4						8.0	375	SHLDR LT (4') & RT (4')
0.440	0.498	RTE 242 W	306.2						4.0	136	SHLDR RT (4')
0.498	0.530	RTE 242 W	169.0						8.0	150	SHLDR LT (4') & RT (4')
0.530	0.551	RTE 242 W	110.9						4.0	49	SHLDR LT (4')
126.082	126.183	RTE 54 EB RT	533.3						4.0	237	RT SHLDR (4')
126.223	126.323	RTE 54 EB RT	528.0						2.0	117	RT SHLDR (2')
126.323	126.362	RTE 54 EB RT	205.9						6.0	137	RT SHLDR TAPER (4' TO 8')
					SUBTOTAL (4)	7,116.83	5,010.34			51,032.00	

* ANY LOCATIONS WITH ASPHALT SHOULDER 4' OR LESS IN WIDTH - USE SAME TREATMENT AS MAINLINE

SUMMARY OF QUANTITIES
SHEET 7 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:28:55 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SUMMARY OF QUANTITIES
SHEET 7 OF 27

PAVEMENT (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	SP125C w/ PG 64-22 AVG WIDTH FT	SP125C w/ PG 64-22 DEPTH IN	SP125C w/ PG 64-22 AREA SY	SP125C w/ PG 64-22 TONS	SP125C w/ PG 64-22 TACK COAT GAL	SP125C w/ PG 70-22 AVG WIDTH FT	SP125C w/ PG 70-22 DEPTH IN	SP125C w/ PG 70-22 AREA SY	SP125C w/ PG 70-22 TONS	SP125C w/ PG 70-22 TACK COAT GAL	SURFACE SEALING TREATMENT AVG WIDTH FT	SURFACE SEALING TREATMENT AREA SY	REMARKS
EBL (CONTINUED)																
126.362	126.524	RTE 54 EB	855.4											10.0	950	RT SHLDR (10')
OB PKWY																
3.059	3.269	OB PKWY	1,108.8						53.00	2.00	6,529.60	699.03	652.96			WIDTH VARIES FROM 50' TO 55'
3.269	3.465	OB PKWY	1,034.9						58.00	2.00	6,669.36	713.99	666.94			WIDTH VARIES FROM 55' TO 60'
3.465	3.515	OB PKWY	264.0						VAR	2.00	1,050.00	112.41	105.00			
JEFFRIES RD																
0.616	0.659	JEFFRIES RD	227.0	24	2	605.33	64.80	60.53								
0.659	0.670	JEFFRIES RD	58.1	45	2	290.50	31.10	29.05						7.0	45	WIDTH VARIES FROM 56' TO 34', SHLDR RT (8' TO 6')
0.670	0.737	JEFFRIES RD	353.8	34	2	1,336.58	143.09	133.66								
0.737	0.775	JEFFRIES RD	200.6													BR A5743 EXCEPTION
0.775	0.819	JEFFRIES RD	232.3	34	2	877.58	93.95	87.76								
0.819	0.836	JEFFRIES RD	89.8	VAR	2	750.00	80.29	75.00								
3.788	3.950	OB PKWY	855.4	60	2	5,702.67	610.50	570.27								
3.950	3.966	OB PKWY	84.5	30	2	281.67	30.15	28.17								
3.966	4.015	OB PKWY	258.7	20	2	574.89	61.55	57.49								
3.966	4.015	OB PKWY	258.7	10	2.5	287.44	38.47	28.74								RT TURN LANE - SEE SPECIAL SHEET FOR DETAILS
4.015	4.023	OB PKWY	42.2	15	2	70.33	7.53	7.03								WIDTH VARIES FROM 30' TO 20' (TOTAL PVMT)
4.015	4.023	OB PKWY	42.2	10	2.5	46.89	6.27	4.69								RT TURN LANE - SEE SPECIAL SHEET FOR DETAILS
4.023	4.034	OB PKWY	58.1	20	2	129.11	13.82	12.91								
4.023	4.034	OB PKWY	58.1	7	2.5	45.19	6.05	4.52								RT TURN LANE (10' TO 4') - SEE SPECIAL SHEET FOR DETAILS
CASE RD																
0.532	0.621	CASE RD	469.9	24	2	1,253.07	134.15	125.31								
0.621	0.648	CASE RD	142.6	30	2	475.33	50.89	47.53								WIDTH VARIES FROM 24' TO 36'
0.648	0.700	CASE RD	274.6	36	2	1,098.40	117.59	109.84								
0.700	0.736	CASE RD	190.1													BR A5742 EXCEPTION
0.736	0.786	CASE RD	264.0	36	2	1,056.00	113.05	105.60								
0.786	0.788	CASE RD	10.6	35	2	41.22	4.41	4.12								WIDTH VARIES FROM 36' TO 34'
0.788	0.810	CASE RD	116.2	62.5	2	806.94	86.39	80.69								WIDTH VARIES FROM 80' TO 45'
0.810		CASE RD		VAR	2	885.00	94.74	88.50								
2.962	3.018	OB PKWY	295.7	55	2	1,807.06	193.46	180.71								
NICHOLS RD																
1.690	1.725	NICHOLS RD	184.8	24	2	492.80	52.76	49.28								
1.725	1.773	NICHOLS RD	253.4	36	2	1,013.60	108.51	101.36								WIDTH VARIES FROM 24' TO 48'
1.773	1.814	NICHOLS RD	216.5	36	2	866.00	92.71	86.60								
1.814	1.833	NICHOLS RD	100.3													BR A7696 EXCEPTION
1.833	1.871	NICHOLS RD	200.6	36	2	802.40	85.90	80.24								
1.871	1.878	NICHOLS RD	37.0	52	2	213.78	22.89	21.38								WIDTH VARIES FROM 62' TO 42'
ROUTE Y																
0.110	0.135	RP 54W TO RT Y	132.0	28	2	410.67	43.96	41.07								
2.582	2.594	RT Y	63.4	38	2	267.69	28.66	26.77								
					SUBTOTALS (5)		2,417.64	2,248.82				1,525.43	1,424.90		995.00	

* ANY LOCATIONS WITH ASPHALT SHOULDER 4' OR LESS IN WIDTH - USE SAME TREATMENT AS MAINLINE

PAVEMENT (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	SP125C w/ PG 64-22 AVG WIDTH FT	SP125C w/ PG 64-22 DEPTH IN	SP125C w/ PG 64-22 AREA SY	SP125C w/ PG 64-22 TONS	SP125C w/ PG 64-22 TACK COAT GAL	REMARKS
ROUTE KK									
0.000	1.475	ROUTE KK	7,788.0	26.14	2	22,619.81	2,421.58	2,261.98	
1.475	1.555	ROUTE KK	422.4	35.07	2	1,645.95	176.21	164.60	
1.555	1.975	ROUTE KK	2,217.6	26.14	2	6,440.90	689.53	644.09	
1.975	2.539	ROUTE KK	2,977.9	24	2	7,941.07	850.14	794.11	
2.539	2.630	ROUTE KK		VAR	2	3,968.00	424.80	396.80	ROUNDABOUT
2.630	2.679	ROUTE KK	258.7	57	2	1,638.43	175.40	163.84	WIDTH VARIES FROM 52' TO 62'
2.679	2.695	ROUTE KK	84.5	72	2	676.00	72.37	67.60	WIDTH VARIES FROM 66' TO 78'
2.695	2.729	ROUTE KK	179.5	80	2	1,595.56	170.81	159.56	WIDTH VARIES FROM 78' TO 82'
2.729	2.762	ROUTE KK	174.2	72	2	1,393.60	149.19	139.36	
2.762	2.799	ROUTE KK	195.4	56	2	1,215.82	130.16	121.58	WIDTH VARIES FROM 48' TO 63'
2.799	2.819	ROUTE KK	105.6						BR A7697 EXCEPTION
2.819	2.824	ROUTE KK	26.4	56	2	164.27	17.59	16.43	
2.824	2.900	ROUTE KK	401.3	50	2	2,229.44	238.67	222.94	
2.900	3.014	ROUTE KK	601.9	48	2	3,210.13	343.66	321.01	
3.014	3.025	ROUTE KK	58.1	VAR	2	475.00	50.85	47.50	
0.000	1.975	ROUTE KK	1,067.0	2	1	237.11	12.69	23.71	PAVED ENTRANCES (ROUTE KK)
0.000	1.975	ROUTE KK					1,182.19		2% SAFETY EDGE (ROUTE KK)
						TOTAL	7,105.84	5,545.11	
						USE	7,105.8	5,545	

SUMMARY OF QUANTITIES
SHEET 8 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:28:46 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SUMMARY OF QUANTITIES
SHEET 8 OF 27

PAVEMENT TOTALS

	SUBTOTAL (1)	SUBTOTAL (2)	SUBTOTAL (3)	SUBTOTAL (4)	SUBTOTAL (5)	ROUTE KK	TOTAL	USE
SP125C w/ PG 70-22	2,660.82	13,170.74	17,338.30	7,116.83	1,525.43		41,812.12	41,812.1
SP125C w/ PG 64-22					2,417.64	7,105.80	9,523.44	9,523.4
TACK COAT	1,968.46	12,302.76	12,933.60	5,010.34	3,673.72	5,545.00	41,433.88	41,434
SURFACE SEALING TREATMENT	47,289.00	14,031.00	20,361.00	51,032.00	995.00		133,708.00	133,708.0

PAVEMENT MARKINGS

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS) 6" SOLID YELLOW (FT)	6" INTER YELLOW (FT)	6" SOLID WHITE (FT)	6" INTER WHITE (FT)	12" SOLID WHITE (FT)	8" SOLID WHITE (FT)	CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER WHITE (FT)	4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LEFT/ RIGHT ARROW (EACH.)	STRT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	4" WHITE (FT)	6" WHITE (FT)	12" WHITE (FT)	24" WHITE (FT)	24" YELLOW (FT)	WORD (ONLY) (EACH)	24 IN X 36 IN YIELD LINE TRIANGLES (EACH)	REMARKS
WBL																									
145.260	145.460	RTE 54 WB RT	1,056.00			1,056.00																			EDGELINE
145.260	153.794	RTE 54 WB LT	45,059.52	45,059.52																					EDGELINE
145.260	160.000	RTE 54 WB	77,827.20				19,456.80																		CENTERLINE
145.460	145.500	RTE 54 WB RT	211.20					211.20																	GORE LINE
145.479	145.698	RTE 54 RT	1,156.32			1,156.32																			EDGELINE
145.500	145.519	RTE 54 WB RT	100.32			100.32																			LANE LINE
145.519	145.600	RTE 54 WB RT	427.68				106.92																		LINE EXTENSION (3' STRIPE, 9' GAP)
145.680	145.740	RTE 54 WB RT																			102				HASHBARS
145.698	145.759	RTE 54 WB RT	322.08					322.08																	GORE LINE
145.695	145.740	RTE 54 WB RT	237.60					237.60																	GORE LINE
145.695	146.996	RTE 54 WB RT	6,869.28			6,869.28																			EDGELINE
145.759	145.800	RTE 54 WB RT	216.48			216.48																			LANE LINE
145.800	145.899	RTE 54 WB RT	522.72				130.68																		LINE EXTENSION (3' STRIPE, 9' GAP)
146.957	147.176	RTE 54 WB RT	1,156.32				289.08																		LINE EXTENSION (3' STRIPE, 9' GAP)
147.005		CREEK COVE LN				140.00			240.00																EDGELINES & ISLAND MARKING
146.990	147.007	RTE 54 WB RT	89.76			89.76																			EDGELINE
147.007	147.016	RTE 54 WB RT	47.52		11.88																				XOVER LINE (3' STRIPE, 9' GAP)
147.016	147.215	RTE 54 WB RT	1,050.72			1,050.72																			EDGELINE
147.176	147.195	RTE 54 WB RT	100.32					100.32																	GORE LINE
147.195	147.215	RTE 54 WB RT	105.60					211.20																	GORE LINES (MAIN LINE & RAMP)
147.215	147.859	RTE 54 WB RT	3,400.32			3,400.32																			EDGELINE
147.859	147.879	RTE 54 WB RT	105.60					211.20																	GORE LINES (MAIN LINE & RAMP)
147.859	148.981	RTE 54 WB RT	5,924.16			5,924.16																			EDGELINE
147.879	147.900	RTE 54 WB RT	110.88					110.88																	GORE LINE
147.900	147.940	RTE 54 WB RT	211.20				52.80																		LINE EXTENSION (3' STRIPE, 9' GAP)
148.922	148.941	RTE 54 WB RT	100.32				25.08																		LINE EXTENSION (3' STRIPE, 9' GAP)
148.941	148.962	RTE 54 WB RT	110.88					110.88																	GORE LINE
148.962	148.981	RTE 54 WB RT	100.32					200.64																	GORE LINES (MAIN LINE & RAMP)
148.981	149.541	RTE 54 WB RT	2,956.80			2,956.80																			EDGELINE
149.541	149.560	RTE 54 WB RT	100.32					200.64																	GORE LINES (MAIN LINE & RAMP)
149.541	150.302	RTE 54 WB RT	4,018.08			4,018.08																			EDGELINE
149.560	149.704	RTE 54 WB RT	760.32					760.32																	GORE LINE & LANE LINE
149.704	150.023	RTE 54 WB RT	1,684.32				421.08																		LINE EXTENSION (3' STRIPE, 9' GAP)
150.023	150.262	RTE 54 WB RT	1,261.92				315.48																		LINE EXTENSION (10' STRIPE, 30' GAP)
150.262	150.281	RTE 54 WB RT	100.32					100.32																	GORE LINE
150.281	150.321	RTE 54 WB RT	211.20					422.40																	GORE LINES (MAIN LINE & RAMP)
150.321	150.820	RTE 54 WB RT	2,634.72			2,634.72																			EDGELINE
150.701	150.741	RTE 54 WB RT	211.20				52.80																		LINE EXTENSION (10' STRIPE, 30' GAP)
150.741	150.780	RTE 54 WB RT	205.92					205.92																	LANE LINE (GORE LINE WIDTH)
150.780	150.820	RTE 54 WB RT	211.20					422.40																	GORE LINES (MAIN LINE & RAMP)
150.820	151.261	RTE 54 WB RT	2,328.48			2,328.48																			EDGELINE
151.261	151.281	RTE 54 WB RT	105.60					211.20																	GORE LINES (MAIN LINE & RAMP)
151.261	152.119	RTE 54 WB RT	4,530.24			4,530.24																			EDGELINE
151.281	151.321	RTE 54 WB RT	211.20					211.20																	LANE LINE (GORE LINE WIDTH)
151.321	152.040	RTE 54 WB RT	3,796.32				949.08																		LINE EXTENSION (10' STRIPE, 30' GAP)
152.040	152.079	RTE 54 WB RT	205.92					205.92																	LANE LINE (GORE LINE WIDTH)
152.079	152.119	RTE 54 WB RT	211.20					422.40																	GORE LINES (MAIN LINE & RAMP)
152.119	152.139	RTE 54 WB RT	105.60					105.60																	GORE LINE
152.139	152.398	RTE 54 WB RT	1,367.52			1,367.52																			EDGELINE
152.398	152.439	RTE 54 WB RT	216.48					432.96																	GORE LINES (MAIN LINE & RAMP)
152.398	152.758	RTE 54 WB RT	1,900.80			1,900.80																			EDGELINE
152.439	152.479	RTE 54 WB RT	211.20					211.20																	GORE LINE & LANE LINE
152.479	152.698	RTE 54 WB RT	1,156.32				289.08																		LINE EXTENSION (3' STRIPE, 9' GAP)
152.698	152.737	RTE 54 WB RT	205.92					205.92																	GORE LINE & LANE LINE
152.737	152.758	RTE 54 WB RT	110.88					221.76																	GORE LINES (MAIN LINE & RAMP)
152.758	153.118	RTE 54 WB RT	1,900.80			1,900.80																			EDGELINE
153.118	153.157	RTE 54 WB RT	205.92					411.84																	GORE LINES (MAIN LINE & RAMP)
153.118	154.134	RTE 54 WB RT	5,364.48			5,364.48																			EDGELINE
153.118	153.216	RTE 54 WB RT	517.44				129.36																		LANE LINE FROM RAMP
153.157	153.197	RTE 54 WB RT	211.20					422.40																	GORE LINE & LANE LINE
153.197	153.275	RTE 54 WB RT	411.84				102.96																		LINE EXTENSION (3' STRIPE, 9' GAP)
153.794		RTE 54 WB LT		85.00		60.00																		14	J-TURN EDGELINES AND YIELD LINE
153.794	153.834	RTE 54 WB RT	211.20				52.80																		J-TURN BUBBLE (3' STRIPE, 9' GAP)
153.794	154.054	RTE 54 WB LT	1,372.80				343.20																		ACCEL LANE LINE (3' STRIPE, 9' GAP)
153.794	154.136	RTE 54 WB LT	1,805.76	1,805.76																					EDGELINE
154.054	154.134	RTE 54 WB LT	422.40			899.80															158			15	OFFSET LEFT EDGELINE, 54 EDGELINE, YIELD BAR & HASH BARS
154.055	154.096	RTE 54 WB RT	216.48				54.12																		LINE EXTENSION (3' STRIPE, 9' GAP)
		SUBTOTAL (1)	46,950.28	0.00	47,965.08	22,771.32	6,890.40	240.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	260	0	0	29		

SUMMARY OF QUANTITIES
SHEET 9 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/29/2025 12:28:36 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED: 7/28/2025
ROUTE: 54/KK | STATE: MO
DISTRICT: CD | SHEET NO.: 3
COUNTY: CAMDEN
JOB NO.: J5P3554
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)

SUMMARY OF QUANTITIES
SHEET 9 OF 27

PAVEMENT MARKINGS (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS) 6" SOLID YELLOW (FT)	6" INTER YELLOW (FT)	6" SOLID WHITE (FT)	6" INTER WHITE (FT)	12" SOLID WHITE (FT)	8" SOLID WHITE (FT)	CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER WHITE (FT)	4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LEFT/ RIGHT ARROW (EACH)	STRT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	4" WHITE (FT)	6" WHITE (FT)	12" WHITE (FT)	24" WHITE (FT)	24" YELLOW (FT)	WORD (ONLY) (EACH)	24 IN X 36 IN YIELD LINE TRIANGLES (EACH)	REMARKS
WBL (CONTINUED)																										
154.096	154.134	RTE 54 WB RT	200.64			200.64																				LANE LINE
154.125		RTE 54 WB LT												1												LEFT ARROW
154.134	154.137	RTE 54 WB RT	15.84				3.96																			XOVER LINE (3' STRIPE, 9' GAP)
154.134	157.198	RTE 54 WB LT	16,177.92	16,177.92																						EDGELINE
154.137	154.713	RTE 54 WB RT	3,041.28			3,041.28																				EDGELINE
154.137	154.254	RTE 54 WB RT	617.76			617.76																				LANE LINE
154.254	154.354	RTE 54 WB RT	528.00				132.00																			LINE EXTENSION (3' STRIPE, 9' GAP)
154.541	154.574	RTE 54 WB RT	174.24				43.56																			LINE EXTENSION (3' STRIPE, 9' GAP)
154.574	154.601	RTE 54 WB RT	142.56			142.56																				LANE LINE
154.593		RTE 54 WB RT												1												RIGHT ARROW
154.601	154.713	RTE 54 WB RT	591.36			1,182.72																179				OFFSET RIGHT EDGELINE, 54 EDGELINE & HASH BARS
154.620		RTE 54 WB RT																						1		
154.646		RTE 54 WB RT												1												RIGHT ARROW
154.670		RTE 54 WB RT																						1		
154.681		RTE 54 WB RT												1												RIGHT ARROW
154.689		RTE 54 WB RT																						1		
154.700		RTE 54 WB RT												1												RIGHT ARROW
154.713	154.727	RTE 54 WB RT	73.92				18.48																			XOVER LINE (3' STRIPE, 9' GAP)
154.727	157.298	RTE 54 WB RT	13,574.88			13,574.88																				EDGELINE
155.271	155.371	RTE 54 WB RT	528.00				132.00																			LINE EXTENSION (3' STRIPE, 9' GAP)
155.371	155.391	RTE 54 WB RT	105.60					105.60																		GORE LINE
155.391	155.412	RTE 54 WB RT	110.88					221.76																		GORE LINES (MAIN LINE & RAMP)
155.412	155.897	RTE 54 WB RT	2,560.80			2,560.80																				EDGELINE
155.897	155.916	RTE 54 WB RT	100.32					200.64																		GORE LINES (MAIN LINE & RAMP)
155.916	155.937	RTE 54 WB RT	110.88					110.88																		EDGELINE
155.937	155.956	RTE 54 WB RT	100.32																							LINE EXTENSION (3' STRIPE, 9' GAP)
157.198	157.219	RTE 54 WB RT	110.88				110.88																			J-TURN BUBBLE (3' STRIPE, 9' GAP)
157.198		RTE 54 WB LT		75.00		60.00																			14	J-TURN EDGELINES AND YIELD LINE
157.198	157.677	RTE 54 WB LT	2,529.12				632.28																			LINE EXTENSION (3' STRIPE, 9' GAP)
157.206	157.751	RTE 54 WB LT	2,877.60	2,877.60																						EDGELINE
157.219	158.733	RTE 54 WB RT	7,993.92			7,993.92																				LANE LINE/EDGELINE
157.223		RTE 54 WB RT												1												RIGHT ARROW
157.233		RTE 54 WB RT																						1		
157.245		RTE 54 WB RT												1												RIGHT ARROW
157.256		RTE 54 WB RT																						1		
157.269		RTE 54 WB RT												1												RIGHT ARROW
157.677	157.761	RTE 54 WB LT	443.52			887.04																191				OFFSET LEFT EDGELINE, 54 EDGELINE & CHEVRONS
157.696		RTE 54 WB LT												1												LEFT ARROW
157.740		RTE 54 WB LT												1												LEFT ARROW
157.761		RTE 54 WB LT				40.00																			19	XOVER EDGELINE AND YIELD LINE
157.761	158.257	RTE 54 WB LT	2,618.88	2,618.88																						EDGELINE
158.118	158.178	RTE 54 WB LT	316.80																							LINE EXTENSION (3' LONG, 9' GAP)
158.178	158.278	RTE 54 WB LT	528.00			528.00																				LANE LINE
158.278		RTE 54 WB LT		80.00		60.00																			14	J-TURN EDGELINES AND YIELD LINE
158.278	158.438	RTE 54 WB LT	844.80	844.80																						EDGELINE
158.438	158.578	RTE 54 WB LT	739.20	1,478.40																						EDGELINE WIDENING & HASHBARS
158.578		RTE 54 WB LT		145.00		185.00																				XOVER EDGELINES
158.597	158.617	RTE 54 WB LT	105.60			105.60																				LANE LINE
158.617	158.795	RTE 54 WB LT	939.84				234.96																			LINE EXTENSION (3' LONG, 9' GAP)
158.617	158.723	RTE 54 WB LT	559.68	559.68																						EDGELINE
158.663	158.692	RTE 54 WB LT & RT	153.12				76.56																			LINE EXTENSION (3' LONG, 9' GAP)
158.682		RTE 54 WB LT & RT												2												1 LEFT ARROW, 1 RIGHTARROW
158.692	158.733	RTE 54 WB LT & RT	216.48			649.44																184				RIGHT LANE LINE, 54 EDGELINE & CHEVRONS
158.692	158.735	RTE 54 WB LT	227.04			227.04																				LEFT LANE EDGELINE
158.713		RTE 54 WB LT																1								LANE REDUCTION ARROW
158.717		RTE 54 WB LT & RT												2												1 LEFT ARROW, 1 RIGHTARROW
158.723		RTE 54 WB LT																							5	YIELD LINE
158.735		E VALLEY DR									170.00									12						CENTERLINE & STOP BAR
158.735	158.744	RTE 54 WB LT	47.52				11.88																			XOVER LINE
158.744	159.064	RTE 54 WB LT	1,689.60	1,689.60																						EDGELINE
158.758	159.076	RTE 54 WB RT	1,679.04			1,679.04																				EDGELINE
158.789		RTE 54 WB LT																1								LANE REDUCTION ARROW
158.977	159.017	RTE 54 WB LT	211.20				52.80																			LINE EXTENSION (3' LONG, 9' GAP)
158.997		RTE 54 WB LT												1												LEFT ARROW
159.017	159.076	RTE 54 WB LT	311.52			623.04																275				LEFT LANE EDGELINE, 54 EDGELINE & CHEVRONS
159.043		RTE 54 WB LT												1												LEFT ARROW
159.064	159.095	RTE 54 WB RT	163.68				40.92																			XOVER LINE (3' LONG, 9' GAP)
159.067		RTE 54 WB LT																							5	YIELD LINE
159.076		RTE 54 WB LT				90.00																				XOVER EDGELINES
		SUBTOTAL (2)	26,546.88	0.00	34,448.76	1,490.28	638.88	0.00	0.00	0.00	170.00	0.00	16	0	0	2	0	0	12	829	69	5	57	

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:32:22 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE 54/KK | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY CAMDEN
JOB NO. J5P3554
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)

SUMMARY OF QUANTITIES
SHEET 10 OF 27

SUMMARY OF QUANTITIES
SHEET 10 OF 27

PAVEMENT MARKINGS (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS) 6" SOLID YELLOW (FT)	6" INTER YELLOW (FT)	6" SOLID WHITE (FT)	6" INTER WHITE (FT)	12" SOLID WHITE (FT)	8" SOLID WHITE (FT)	CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER WHITE (FT)	4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LEFT/ RIGHT ARROW (EACH.)	STRT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	4" WHITE (FT)	6" WHITE (FT)	12" WHITE (FT)	24" WHITE (FT)	24" YELLOW (FT)	WORD (ONLY) (EACH)	24 IN X 36 IN YIELD LINE TRIANGLES (EACH)	REMARKS
WBL (CONTINUED)																										
159.076		LOCUST ST				230.00			75.00			100.00									12					EDGELINES, CENTERLINE, ISLAND & STOP BAR
159.076	159.091	RTE 54 WB LT	79.20				19.80																			XOVER LINE
159.091	159.418	RTE 54 WB LT	1,726.56	1,726.56																						EDGELINE
159.095	159.412	RTE 54 WB RT	1,673.76			1,673.76																				EDGELINE
159.339	159.380	RTE 54 WB LT	216.48				54.12																			LINE EXTENSION (3' LONG, 9' GAP)
159.380	159.420	RTE 54 WB LT	211.20			211.20																				LEFT LANE LINE
159.412	159.429	RTE 54 WB RT	89.76				22.44																			LINE EXTENSION (3' LONG, 9' GAP)
159.420	159.434	RTE 54 WB LT	73.92				18.48																			LINE EXTENSION (3' LONG, 9' GAP)
159.429		RTE 54 WB LT & RT							80.00																	ISLAND MARKINGS
159.429	159.434	RTE 54 WB RT	26.40			26.40																				EDGELINE
159.434	159.446	RTE 54 WB RT	63.36				15.84																			LINE EXTENSION (3' LONG, 9' GAP)
159.434	159.896	RTE 54 WB LT	2,439.36	2,439.36																						EDGELINE
159.446	160.032	RTE 54 WB RT	3,094.08			3,094.08																				EDGELINE
WBL & EBL (UNDIVIDED SECTION) - WB LOG MILES																										
159.896	160.044	RTE 54	781.44	1,562.88																			608			EDGELINES & HASHBARS
159.896	160.000	RTE 54 RT	549.12				137.28																			CENTERLINE
159.896	160.044	RTE 54 LT	781.44				195.36																			CENTERLINE
159.896	160.032	RTE 54 LT	718.08			718.08																				EDGELINE
159.997		RTE 54 RT												1												RIGHT ARROW
160.000	160.044	RTE 54 RT	232.32			464.64																				LANE LINES
160.015	160.039	RTE 54 RT	126.72	126.72																						EDGELINE
160.032		RTE 54 RT												1												RIGHT ARROW
160.053		CECIL ST								340.00	22.50	160.00		3								122			11	LANE LINES, ISLANDS, CROSSWALKS, STOP BARS, ARROWS & YIELD LINE
160.053		RTE 54																		50.00						LEFT TURN EXTENTIONS
160.044		RTE 54 RT																				24				STOP BARS
160.062		RTE 54 RT				45.00																				EDGELINE
160.063	160.654	RTE 54 RT	3,120.48				780.12																			CENTERLINE - WB LANES
160.063		RTE 54 LT																				36				STOP BARS
160.063	160.108	RTE 54	237.60	475.20																						CENTERLINE - 54
160.063	160.108	RTE 54 LT	237.60			712.80																				LANE LINES
160.075		RTE 54 LT												2												2 LEFT ARROWS
160.099		RTE 54 LT												2												2 LEFT ARROWS
160.108	160.679	RTE 54 LT	3,014.88				753.72																			CENTERLINE - EB LANES
160.108	160.146	RTE 54	200.64	802.56																						CENTERLINE - 54
160.146	160.643	RTE 54	2,624.16	5,248.32	1,312.08																					TWTL
160.248		RTE 54												2												2 LEFT ARROWS
160.342		RTE 54												2												2 LEFT ARROWS
160.426	160.495	RTE 54 RT	364.32			364.32																				EDGELINE
160.495	160.532	RTE 54 RT	195.36			195.36																73				EDGELINE & HASHBARS
160.532		RTE 54												2												2 LEFT ARROWS
160.643	160.676	RTE 54	174.24	348.48																						CENTERLINE - 54
160.654	160.676	RTE 54 RT	116.16			232.32																				LANE LINES
160.661		RTE 54 RT												1												LEFT ARROW
160.676		RTE 54 RT																			12					STOP BAR
160.677		RTE 54 RT																			24					STOP BARS
160.679		RTE 54																				78				CROSSWALK
160.690		JACK CROWELL RD								75.00		90.00									24					CENTERLINE, LANE LINE AND STOP BARS
160.690		LAKER PRIDE RD								50.00		80.00		1		1					30	84				CENTERLINE, LANE LINE, STOP BARS, ARROWS AND CROSSWALK
160.695	160.817	RTE 54 RT	644.16				161.04																			CENTERLINE - WB LANES
160.695		RTE 54 LT																			24					STOP BARS
160.695	160.717	RTE 54 LT	116.16			232.32																				LANE LINES
160.697		RTE 54 LT																			12					STOP BAR
160.697	160.734	RTE 54	195.36	390.72																						CENTERLINE - 54
160.717	160.834	RTE 54 LT	617.76				154.44																			CENTERLINE - EB LANES
160.734	160.808	RTE 54	390.72	781.44	390.72																					TWTL
160.808	160.835	RTE 54	142.56	285.12																						EDGELINE ALONG BARRIER
160.817	160.835	RTE 54 RT	95.04			190.08																				LANE LINES
160.835	160.842	RTE 54 LT	36.96			36.96																				EDGELINE
160.849	160.929	RTE 54 LT & RT	422.4			844.8																				EDGELINES
160.849	161.535	RTE 54 RT	3622.08				40.38																			CENTERLINE - WB LANES
160.850		RTE 54 LT																			24					STOP BARS
160.850	160.897	RTE 54 LT	248.16			248.16																				LANE LINE
160.850	161.577	RTE 54 LT	3838.56				40.39																			CENTERLINE - EB LANES
160.856		RTE 54 LT																			12					STOP BAR
160.856	160.916	RTE 54	316.8	633.6																						CENTERLINE - 54
160.877		RTE 54 LT												1												LEFT ARROW
		SUBTOTAL (3)	14,820.96	1,702.80	9,520.28	2,393.41	0.00	155.00	465.00	22.50	430.00	0.00	18	0	1	0	0	50	174	417	608	0	11		

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:32:11 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SUMMARY OF QUANTITIES
SHEET 11 OF 27

SUMMARY OF QUANTITIES
SHEET 11 OF 27

PAVEMENT MARKINGS (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS) 6" SOLID YELLOW (FT)	6" INTER YELLOW (FT)	6" SOLID WHITE (FT)	6" INTER WHITE (FT)	12" SOLID WHITE (FT)	8" SOLID WHITE (FT)	CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER WHITE (FT)	4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LEFT/ RIGHT ARROW (EACH.)	STRT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	4" WHITE (FT)	6" WHITE (FT)	12" WHITE (FT)	24" WHITE (FT)	24" YELLOW (FT)	WORD (ONLY) (EACH)	24 IN X 36 IN YIELD LINE TRIANGLES (EACH)	REMARKS
WBL & EBL (UNDIVIDED SECTION) - WB LOG MILES - (CONTINUED)																										
160.897		RTE 54 LT												1												LEFT ARROW
160.916	160.964	RTE 54	253.44	1,013.76																						EDGELINES
160.964	161.005	RTE 54	216.48	432.96																						EDGELINES ALONG EXISTING BARRIER
160.976	160.996	RTE 54 RT	105.60			105.60																				EDGELINE
160.980	161.000	RTE 54 LT	105.60			105.60																				EDGELINE
161.005	161.022	RTE 54	89.76	179.52								359.04														EDGELINES ALONG NEW BARRIER & ON TOP & SIDES OF BARRIER
161.022	161.039	RTE 54	89.76	179.52																						LEFT TURN LANE
161.022		RTE 54												1												LEFT ARROW
161.039	161.519	RTE 54	2,534.40	5,068.80	1,267.20																					TWTL
161.097		RTE 54												2												2 LEFT ARROWS
161.289		RTE 54												2												2 LEFT ARROWS
161.382		RTE 54												2												2 LEFT ARROWS
161.476		RTE 54												2												2 LEFT ARROWS
161.519	161.535	RTE 54	84.48	84.48	21.12																					CENTERLINE - 54
161.535		RTE 54												1	1	1										LEFT ARROW, STRAIGHT & STRAIGHT/RIGHT COMBO
161.535	161.575	RTE 54 RT	211.20	422.40																						CENTERLINE - 54
161.535	161.576	RTE 54	216.48			432.96																				LANE LINES
161.552		RTE 54												1	1	1										LEFT ARROW, STRAIGHT & STRAIGHT/RIGHT COMBO
161.575		RTE 54 RT																			12					STOP BAR
161.576		RTE 54 RT																			24					STOP BARS
161.577		RTE 54 LT & RT																				138				CROSSWALKS ON RIGHT TURN LANES AND 54
161.582		RTE 54																		25						LEFT TURN EXTENTION
161.588		RTE 54				150.00																84				CROSSWALKS
161.589		RTE 54 LT																			30					STOP BARS
161.589	161.627	RTE 54 LT	200.64			401.28																				LANE LINES
161.590		RTE 54 LT																			12					STOP BAR
161.590	161.627	RTE 54	195.36	390.72			97.68																			CENTERLINE - 54 & CENTERLINE - WB LANES
161.607		RTE 54 LT												1	1	1	1									LEFT ARROW, STRAIGHT & STRAIGHT/RIGHT COMBO, LANE RED. ARROW
162.791	164.980	RTE 54 RT	11,557.92			11,557.92																				EDGELINE
162.791	164.026	RTE 54 LT	6,520.80			6,520.80																				EDGELINE
162.791	163.546	RTE 54 LT	3,986.40				996.60																			CENTERLINE - EB LANES
162.791	162.983	RTE 54	1,013.76	2,027.52	506.88																					CENTERLINE - 54
162.873		RTE 54												2												2 LEFT ARROWS
162.983	163.063	RTE 54	422.40	1,689.60																			79			CENTERLINE - 54 & HASHBARS
163.063	163.646	RTE 54	3,078.24	3,078.24	769.56																					CENTERLINE - 54
163.646	163.706	RTE 54	316.80		79.20																					CENTERLINE - 54
163.706	163.766	RTE 54	354.80	354.80	88.70																					CENTERLINE - 54
163.766	163.826	RTE 54	633.60	1,267.20																						CENTERLINE - 54
163.826	163.866	RTE 54	211.20	844.80																			49			CENTERLINE - 54 & HASHBARS
163.906	163.951	RTE 54	237.60			237.60																				LANE LINE
163.906	164.045		733.92	1,467.84																						CENTERLINE - 54, TURN POCKETS
163.909		RTE 54												1												LEFT ARROW
163.933		RTE 54												1												LEFT ARROW
163.951		RTE 54												1												CENTERLINE - 54
164.006		RTE 54												1												LEFT ARROW
164.006	164.045	RTE 54	205.92			205.92																				LANE LINE
164.026		RTE 54												1												LEFT ARROW
164.065	164.980	RTE 54 LT	4,831.20			4,831.20																				EDGELINE
164.065	164.143	RTE 54	411.84	1,647.36																			67			CENTERLINE - 54 & HASHBARS
164.143	164.544	RTE 54	2,117.28	4,234.56																						CENTERLINE - 54
164.544	164.667	RTE 54	649.44	2,597.76																			90			CENTERLINE - 54 & HASHBARS
164.643	164.667	RTE 54	126.72			126.72																				LANE LINE
164.667	164.742	RTE 54	396.00	792.00																						CENTERLINE - 54
164.703	164.742	RTE 54	205.92			205.92																				LANE LINE
164.703		RTE 54												1												LEFT ARROW
164.762	164.802	RTE 54	211.20			211.20																				LANE LINE
164.762	164.822	RTE 54	316.80	633.60																						CENTERLINE - 54
164.802		RTE 54												1												LEFT ARROW
164.822	164.962	RTE 54	739.20	2,956.80																			105			CENTERLINE - 54 & HASHBARS
164.962	164.980	RTE 54	95.04	190.08																						CENTERLINE - 54
EBL																										
111.925	126.638	RTE 54 EB	77,684.64				19,421.16																			CENTERLINE
111.925	112.382	RTE 54 EB RT	2,412.96			2,412.96																				EDGELINE
111.925	112.125	RTE 54 EB LT	1,056.00	1,056.00																						EDGELINE
112.042	112.101	RTE 54 EB LT	311.52				77.88																			LINE EXTENSION (3' LONG, 9' GAP)
112.101	112.125	RTE 54 EB LT	126.72			126.72																				LANE LINE
		SUBTOTAL (4)	32,610.32	2,732.66	27,632.40	20,593.32	0.00	0.00	0.00	0.00	359.04	0	22	3	3	1	0	25	78	222	390	0	0			

SUMMARY OF QUANTITIES
SHEET 12 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:32:02 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SUMMARY OF QUANTITIES
SHEET 12 OF 27

PAVEMENT MARKINGS (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS) 6" SOLID YELLOW (FT)	6" INTER YELLOW (FT)	6" SOLID WHITE (FT)	6" INTER WHITE (FT)	12" SOLID WHITE (FT)	8" SOLID WHITE (FT)	CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER WHITE (FT)	4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LEFT/ RIGHT ARROW (EACH.)	STRT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	4" WHITE (FT)	6" WHITE (FT)	12" WHITE (FT)	24" WHITE (FT)	24" YELLOW (FT)	WORD (ONLY) (EACH)	24 IN X 36 IN YIELD LINE TRIANGLES (EACH)	REMARKS
EBL (CONTINUED)																										
112.125	112.137	RTE 54 EB LT	63.36				15.84																			XOVER LINE
112.137	112.400	RTE 54 EB LT	1,388.64	1,388.64																						EDGELINE
112.302	112.360	RTE 54 EB LT	306.24				76.56																			LINE EXTENSION (3' LONG, 9' GAP)
112.360	112.400	RTE 54 EB LT	211.20			211.20																				LANE LINE
112.382	112.402	RTE 54 EB RT	105.60				26.40																			XOVER LINE
112.400		RTE 54 EB LT & RT							80.00												12					ISLAND MARKINGS & STOP BAR
112.400	112.405	RTE 54 EB LT	26.40				6.60																			XOVER LINE
112.402	112.405	RTE 54 EB RT	15.84			15.84																				EDGELINE
112.405	112.741	RTE 54 EB LT	1,774.08	1,774.08																						EDGELINE
112.405	112.412	RTE 54 EB RT	36.96				9.24																			XOVER LINE
112.412	112.741	RTE 54 EB RT	1,737.12			1,737.12																				EDGELINE
112.644	112.684	RTE 54 EB LT & RT	211.20				105.60																			LINE EXTENSION (3' LONG, 9' GAP)
112.684	112.741	RTE 54 EB LT & RT	300.96			1,203.84																308				LANE LINES & CHEVRONS
112.684		RTE 54 EB LT												1												LEFT ARROW
112.688		RTE 54 EB RT												1												RIGHT ARROW
112.724		RTE 54 EB LT & RT												2												1 LEFT ARROW, 1 RIGHT ARROW
112.741	112.783	RTE 54 EB RT	221.76				55.44																			XOVER LINE (3' LONG, 9' GAP)
112.741		RTE 54 EB LT				45.00																			5	MEDIAN EDGELINE & YIELD LINE
112.741	112.783	RTE 54 EB LT	221.76				55.44																			XOVER LINE
112.746		ROUTE V				150.00						120.00									12					EDGELINE, CENTERLINE & STOP BAR
112.783	113.084	RTE 54 EB LT	1,589.28	1,589.28																						EDGELINE
112.783	113.063	RTE 54 EB RT	1,478.40			1,478.40																				EDGELINE
112.962	113.003	RTE 54 EB RT	216.48				54.12																			LINE EXTENSION (3' LONG, 9' GAP)
112.984	113.026	RTE 54 EB LT	221.76				55.44																			LINE EXTENSION (3' LONG, 9' GAP)
113.003	113.063	RTE 54 EB RT	316.80			633.60																16				LANE LINES & CHEVRONS
113.023		RTE 54 EB LT & RT												2												1 LEFT ARROW, 1 RIGHT ARROW
113.026	113.084		306.24			612.48																225				LANE LINES & CHEVRONS
113.060		RTE 54 EB LT & RT												2												1 LEFT ARROW, 1 RIGHT ARROW
113.063	113.104	RTE 54 EB RT	216.48				54.12																			SIDE ROAD LINE
113.084		RTE 54 EB LT				45.00																			5	MEDIAN EDGELINE & YIELD LINE
113.084	113.104	RTE 54 EB LT	105.60				26.40																			XOVER LINE
113.104	113.257	RTE 54 EB LT & RT	807.84	807.84		807.84																				EDGELINES
113.257	113.263	RTE 54 EB LT	31.68				7.92																			XOVER LINE
113.257	113.268	RTE 54 EB RT	58.08				14.52																			XOVER LINE
113.257		BUS PARK RD				120.00						50.00									12					EDGELINES & STOP BAR
113.268	113.564	RTE 54 EB LT	1,562.88	1,562.88																						EDGELINE
113.268	113.345	RTE 54 EB RT	406.56			406.56																				LANE LINE
113.285	114.062	RTE 54 EB RT	4,102.56			4,102.56																				EDGELINE
113.345	113.502	RTE 54 EB RT	828.96				207.24																			LINE EXTENSION (3' LONG, 9' GAP)
113.564	113.584	RTE 54 EB RT	105.60				26.40																			J-TURN BUBBLE
113.564	113.943	RTE 54 EB LT	2,001.12				500.28																			LINE EXTENSION (3' LONG, 9' GAP)
113.566	114.067	RTE 54 EB LT	2,645.28	2,645.28																						EDGELINE
113.983	114.019	RTE 54 EB RT	190.08				47.52																			LINE EXTENSION (3' LONG, 9' GAP)
114.019	114.067	RTE 54 EB RT	253.44			506.88																40				LANE LINES & CHEVRONS
114.023		RTE 54 EB RT												1												RIGHT ARROW
114.067	114.083	RTE 54 EB LT	84.48				21.12																			XOVER LINE
114.067	114.078	RTE 54 EB RT	58.08				14.52																			XOVER LINE (3' LONG, 9' GAP)
114.078		ROUTE A		325.00		365.00																	133			EDGELNE, CENTERLINE AND CHEVRONS
114.078	114.182	RTE 54 EB RT	549.12			549.12																				EDGELINE/LANE LINE
114.083	114.641	RTE 54 EB LT	2,946.24	2,946.24																						EDGELINE
114.109	114.522	RTE 54 EB RT	2,180.64			2,180.64																				EDGELINE
114.182	114.321	RTE 54 EB RT	733.92				183.48																			LINE EXTENSION (3' LONG, 9' GAP)
114.422	114.482	RTE 54 EB LT	316.80				79.20																			LINE EXTENSION (3' LONG, 9' GAP)
114.482	114.662	RTE 54 EB LT	950.40			950.40																				LANE LINE
114.522	114.543	RTE 54 EB RT	110.88				27.72																			SIDE ROAD LINE
114.543	117.687	RTE 54 EB RT	16,600.32			16,600.32																				EDGELINE
114.662	117.687	RTE 54 EB LT	15,972.00	15,972.00																						EDGELINE
115.882	115.905	RTE 54 EB RT	121.44				30.36																			LINE EXTENSION (3' LONG, 9' GAP)
115.905	115.920	RTE 54 EB RT	79.20					79.20																		GORE LINE
115.920	115.961	RTE 54 EB RT	216.48					432.96																		GORE LINES (MAIN LINE & RAMP)
116.422	116.442	RTE 54 EB RT	105.60					211.20																		GORE LINES (MAIN LINE & RAMP)
116.442	116.462	RTE 54 EB RT	105.60					105.60																		GORE LINE
116.462	116.502	RTE 54 EB RT	211.20				52.80																			LINE EXTENSION (3' LONG, 9' GAP)
117.602	117.621	RTE 54 EB RT	100.32				25.08																			LINE EXTENSION (3' LONG, 9' GAP)
117.621	117.663	RTE 54 EB RT	221.76			443.52																28				EDGELINE, LANE LINE & CHEVRONS
117.687	117.696	RTE 54 EB LT & RT	47.52				23.76																			XOVERS LINE (3' LONG, 9' GAP)
117.696	118.029	RTE 54 EB LT	1,758.24	1,758.24																						EDGELINE
117.696	117.717	RTE 54 EB RT	110.88			110.88																				EDGELINE
117.717	117.762	RTE 54 EB RT	237.60			475.20																				EDGELINE & LANE LINE
		SUBTOTAL (5)	30,769.48	0.00		33,751.40	1,803.12	828.96	80.00	0.00	0.00	170.00	0	9	0	0	0	0	0	36	617	133	0	10		

SUMMARY OF QUANTITIES
SHEET 13 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:31:52 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SUMMARY OF QUANTITIES
SHEET 13 OF 27

PAVEMENT MARKINGS (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS) 6" SOLID YELLOW (FT)	6" INTER YELLOW (FT)	6" SOLID WHITE (FT)	6" INTER WHITE (FT)	12" SOLID WHITE (FT)	8" SOLID WHITE (FT)	CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER WHITE (FT)	4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LEFT/ RIGHT ARROW (EACH.)	STRT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	4" WHITE (FT)	6" WHITE (FT)	12" WHITE (FT)	24" WHITE (FT)	24" YELLOW (FT)	WORD (ONLY) (EACH)	24 IN X 36 IN YIELD LINE TRIANGLES (EACH)	REMARKS
EBL (CONTINUED)																										
117.701		OSAGE BCH PKWY							300.00	935.00		995.00													22	EDGELINES, ISLAND MARKING & YIELD LINES
117.717	126.628	RTE 54 EB RT	47,050.08			47,050.08																				EDGELINE
117.762	117.802	RTE 54 EB RT	211.20				52.80																			LINE EXTENSION (3' LONG, 9' GAP)
117.902	117.942	RTE 54 EB LT	211.20				52.80																			LINE EXTENSION (3' LONG, 9' GAP)
117.942	118.043	RTE 54 EB LT	533.28			533.28																				LANE LINE
118.043	126.638	RTE 54 EB LT	45,381.60	45,381.60																						
118.141	118.640	RTE 54 EB RT	2,634.72																							LINE EXTENSION (3' LONG, 9' GAP)
118.480	118.701	RTE 54 EB RT	1,166.88				291.72																			LINE EXTENSION (3' LONG, 9' GAP)
118.640	118.662	RTE 54 EB RT	116.16			116.16																				LANE LINE
118.662	118.701	RTE 54 EB RT	205.92					411.84																		GORE LINES (MAIN LINE & RAMP)
119.080	119.122	RTE 54 EB RT	221.76					443.52																		GORE LINES (MAIN LINE & RAMP)
119.122	119.342	RTE 54 EB RT	1,161.60				290.40																			LINE EXTENSION (3' LONG, 9' GAP)
119.342	119.363	RTE 54 EB RT	110.88					110.88																		GORE LINE
119.363	119.401	RTE 54 EB RT	200.64					401.28																		GORE LINES (MAIN LINE & RAMP)
119.801	119.862	RTE 54 EB RT	322.08					644.16																		GORE LINES (MAIN LINE & RAMP)
119.862	119.941	RTE 54 EB RT	417.12				104.28																			LINE EXTENSION (3' LONG, 9' GAP)
120.479	120.541	RTE 54 EB RT	327.36				81.84																			LINE EXTENSION (3' LONG, 9' GAP)
120.541	120.560	RTE 54 EB RT	100.32					100.32																		GORE LINE
120.560	120.600	RTE 54 EB RT	211.20					422.40																		GORE LINES (MAIN LINE & RAMP)
121.041	121.061	RTE 54 EB RT	105.60					211.20																		GORE LINES (MAIN LINE & RAMP)
121.061	121.100	RTE 54 EB RT	205.92					205.92																		GORE LINE
121.100	121.480	RTE 54 EB RT	2,006.40				501.60																			LINE EXTENSION (3' LONG, 9' GAP)
121.480	121.601	RTE 54 EB RT	638.88			638.88																				LANE LINE
121.601	121.621	RTE 54 EB RT	105.60					105.60																		GORE LINE
121.621	121.640	RTE 54 EB RT	100.32					200.64																		GORE LINES (MAIN LINE & RAMP)
121.742	121.781	RTE 54 EB RT	205.92																							GORE LINES (MAIN LINE & RAMP)
121.781	121.801	RTE 54 EB RT	105.60																							GORE LINE
121.801	122.715	RTE 54 EB RT	4,825.92				1,206.48																			LINE EXTENSION (3' LONG, 9' GAP)
122.715	122.742	RTE 54 EB RT	142.56					285.12																		GORE LINES (MAIN LINE & RAMP)
122.942	122.962	RTE 54 EB RT	105.60					211.20																		GORE LINES (MAIN LINE & RAMP)
122.962	122.982	RTE 54 EB RT	105.60					105.60																		GORE LINE
122.982	123.022	RTE 54 EB RT	211.20				52.80																			LINE EXTENSION (3' LONG, 9' GAP)
124.002	124.042	RTE 54 EB RT	211.20				52.80																			LINE EXTENSION (3' LONG, 9' GAP)
124.042	124.066	RTE 54 EB RT	126.72					126.72																		GORE LINE
124.066	124.072	RTE 54 EB RT	31.68					63.36																		GORE LINES (MAIN LINE & RAMP)
124.641	124.663	RTE 54 EB RT	116.16					232.32																		GORE LINES (MAIN LINE & RAMP)
124.663	124.705	RTE 54 EB RT	221.76					221.76																		GORE LINE
125.763	125.862	RTE 54 EB RT	522.72				130.68																			LINE EXTENSION (3' LONG, 9' GAP)
125.862	125.887	RTE 54 EB RT	132.00					132.00																		GORE LINE
125.887	125.903	RTE 54 EB RT	84.48					168.96																		GORE LINES (MAIN LINE & RAMP)
126.082	126.102	RTE 54 EB RT	105.60					211.20																		GORE LINES (MAIN LINE & RAMP)
126.102	126.123	RTE 54 EB RT	110.88					110.88																		GORE LINE
126.123	126.163	RTE 54 EB RT	211.20			211.20																				LANE LINE
126.163	126.242	RTE 54 EB RT	417.12				104.28																			LINE EXTENSION (3' LONG, 9' GAP)
126.524	126.570	RTE 54 EB RT	242.88				60.72																			LINE EXTENSION (3' LONG, 9' GAP)
126.570	126.638	RTE 54 EB RT	359.04			359.04																				LANE LINE
126.587		RTE 54 EB RT												1												RIGHT ARROW
126.624		RTE 54 EB RT												1												RIGHT ARROW
ROUTE 242																										
0.060	0.179	RP 54E TO 242 LT	628.32	628.32																						EDGELINE
0.060	0.242	RP 54E TO 242 RT	960.96			960.96																				EDGELINE
0.179	0.242	RP 54E TO 242 LT	332.64	665.28																			101			EDGELINES & HASHBARS
0.179	0.218	RP 54E TO 242	205.92				51.48																			LINE EXTENSION (3' LONG, 9' GAP)
0.199		RP 54E TO 242												2												2 LEFT ARROWS
0.218	0.242	RP 54E TO 242	126.72			126.72																				LANE LINE
0.238		RP 54E TO 242												2												2 LEFT ARROWS
0.242		RP 54E TO 242																							12	
0.273		RTE 242	`			400.00																				ISLAND MARKING
0.273	0.449	RTE 242	929.28	1,858.56																						CENTERLINE - 242
0.273	0.525	RTE 242 RT	1,330.56				332.64																			CENTERLINE - WB LANES
0.279	0.533	RTE 242 RT	1,341.12			1,341.12																				EDGELINE
0.305	0.324	RTE 242 LT	100.32			100.32																				LANE LINE
0.305	0.481	RTE 242 LT	929.28			929.28																				EDGELINE
0.324	0.551	RTE 242 LT	1,198.56				299.64																			CENTERLINE - EB LANES
		SUBTOTAL (6)	48,533.76	0.00		52,767.04	3,666.96	5,126.88	300.00	935.00	0.00	995.00	0	6	0	0	0	0	0	0	0	0	101	0	34	

SUMMARY OF QUANTITIES
SHEET 14 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:31:45 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE 54/KK | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY CAMDEN
JOB NO. J5P3554
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)

SUMMARY OF QUANTITIES
SHEET 14 OF 27

PAVEMENT MARKINGS (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS) 6" SOLID YELLOW (FT)	6" INTER YELLOW (FT)	6" SOLID WHITE (FT)	6" INTER WHITE (FT)	12" SOLID WHITE (FT)	8" SOLID WHITE (FT)	CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER WHITE (FT)	4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LEFT/ RIGHT ARROW (EACH.)	STRT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	4" WHITE (FT)	6" WHITE (FT)	12" WHITE (FT)	24" WHITE (FT)	24" YELLOW (FT)	WORD (ONLY) (EACH)	24 IN X 36 IN YIELD LINE TRIANGLES (EACH)	REMARKS
ROUTE 242 (CONTINUED)																										
0.449	0.505	RTE 242	295.68	1,182.72																		63				CENTERLINE & HASHBARS
0.465		RTE 242 RT														1										STRAIGHT/RIGHT COMBO
0.481	0.498	RTE 242 LT	89.76					179.52																		GORE LINES (242 & RAMP)
0.498	0.551	RTE 242 LT	279.84			279.84																110				EDGELINE & HASHBARS
0.505	0.551	RTE 242	242.88	485.76																						CENTERLINE - 242
0.518		RTE 242 LT													1	1										STRAIGHT & STRAIGHT/RIGHT COMBO
0.525		RTE 242 RT												1	1	1										LEFT ARROW, STRAIGHT & STRAIGHT/RIGHT COMBO
0.525	0.551	RTE 242 LT	137.28			274.56																				LANE LINES
0.533		RTE 242 RT	-2,814.24											1	1											LEFT ARROW & STRAIGHT ARROW
0.046	0.094	RP 242 TO 54W RT	253.44			253.44																64				EDGELINE & HASHBARS
0.046	0.153	RP 242 TO 54W LT	564.96	564.96																						EDGELINE
0.094	0.153	RP 242 TO 54W RT	311.52			311.52																				EDGELINE
0.002	0.123	RP 242 TO 54E RT	638.88			638.88																				EDGELINE
0.036	0.123	RP 242 TO 54E TT	459.36	459.36																						EDGELINE
0.010	0.165	RP 242 TO 54W RT	818.40			818.40																				EDGELINE
0.010	0.046	RP 242 TO 54W LT	190.08					200.08																		GORE LINES (242 & RAMP)
0.046	0.165	RP 242 TO 54W LT	628.32	628.32																						EDGELINE
OB PKWY																										
3.059	3.150	OB PKWY S LT	480.48								120.12															CENTERLINE - NB LANES
3.059	3.132	OB PKWY S RT	385.44								96.36															CENTERLINE - SB LANES
3.059	3.119	OB PKWY S	316.80									633.60	158.40													CENTERLINE - TWTL
3.119	3.148	OB PKWY S	153.12									153.12														CENTERLINE - OB PKWY
3.132		OB PKWY S RT												1	2											LEFT ARROW & 2 STRAIGHT ARROWS
3.132	3.150	OB PKWY S RT	95.04							190.08																LANE LINES
3.148		OB PKWY S RT																			12					STOP BAR
3.150		OB PKWY S RT																			24					STOP BARS
3.163		OB PKWY S LT	-16,700.64																		24					STOP BARS
3.163	3.183	OB PKWY S LT	105.60							105.60																LANE LINE
3.163	3.422	OB PKWY S LT	1,367.52								341.88															CENTERLINE - NB LANES
3.166		OB PKWY S RT																			12					STOP BAR
3.166	3.412	OB PKWY S RT	1,298.88								324.72															CENTERLINE - SB LANES
3.166	3.187	OB PKWY S	110.88									221.76														CENTERLINE - OB PKWY
3.183		OB PKWY S LT												1												LEFT ARROW
3.187	3.455	OB PKWY S	1,415.04									2,830.08	707.52													CENTERLINE - TWTL
3.242		OB PKWY S												2												2 LEFT ARROWS
3.338		OB PKWY S												2												2 LEFT ARROWS
3.412	3.487	OB PKWY S RT	396.00							396.00																LANE LINE/EDGELINE
3.422		OB PKWY S RT																						1		
3.431		OB PKWY S RT												3	1											1 RIGHT, 2 LEFT & 1 STRAIGHT ARROW
3.445		OB PKWY S RT																						1		
3.455		OB PKWY S RT												1	1											1 RIGHT & 1 STRAIGHT ARROW
3.455	3.472	OB PKWY S	89.76									359.04														CENTERLINE - TWTL
3.472	3.515	OB PKWY S LT	227.04									227.04														EDGELINE
3.487	3.515	OB PKWY S RT	147.84							147.84											54					EDGELINE & HASHBARS
JEFFRIES RD																										
0.025	0.055	RP 54E TO OB PKWY	158.40				39.60																			CENTERLINE
0.041	0.063	RP 54E TO OB PKWY LT	116.16	116.16																						EDGELINE
0.041	0.072	RP 54E TO OB PKWY RT	163.68			163.68																				EDGELINE
0.055	0.073	RP 54E TO OB PKWY	95.04			190.08																174				ISLAND MARKING, CHEVRONS (90') & HASHBARS (84')
0.063	0.073	RP 54E TO OB PKWY LT	52.80	52.80																			59			EDGELINE & HASHBARS
0.072		RP 54E TO OB PKWY LT																			12					STOP BAR
3.788	3.838	OB PKWY N LT	264.00								66.00															CENTERLINE - SB LANES
3.788	3.838	OB PKWY N	264.00									528.00														CENTERLINE - OB PKWY
3.788	3.798	OB PKWY N RT	52.80								13.20															CENTERLINE - NB LANES
3.798	3.838	OB PKWY N RT	211.20							422.40																LANE LINES
3.802		OB PKWY N RT												1										1		LEFT ARROW
3.828		OB PKWY N RT												1										1		LEFT ARROW
3.838		OB PKWY N RT																			36					STOP BARS
3.860		OB PKWY N LT																			24					STOP BARS
3.860	3.888	OB PKWY N LT & RT	147.84							162.84	36.96															LANE LINES (SB) & CENTERLINE - NB LANES
3.860	3.888	OB PKWY N	147.84									591.36											15			CENTERLINE - OB PKWY & 1 HASH BAR
3.888	3.929	OB PKWY N LT	216.48								54.12															CENTERLINE - NB LANES
3.888	3.915	OB PKWY N	142.56									285.12	71.28													CENTERLINE - OB PKWY (TWTL)
3.888	3.969	OB PKWY N RT	427.68							427.68												143				EDGELINE & HASHBARS
3.915	3.946	OB PKWY N	163.68									654.72											77			CENTERLINE - OB PKWY & HASHBARS
		SUBTOTAL (7)	3,490.08	0.00	2,930.40	39.60	379.60	0.00	1,852.44	1,053.36	6,483.84	937	14	7	3	0	0	0	198	491	214	4	0	

SUMMARY OF QUANTITIES
SHEET 15 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:31:38 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE 54/KK | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY CAMDEN
JOB NO. J5P3554
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)

SUMMARY OF QUANTITIES
SHEET 15 OF 27

PAVEMENT MARKINGS (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS) 6" SOLID YELLOW (FT)	6" INTER YELLOW (FT)	6" SOLID WHITE (FT)	6" INTER WHITE (FT)	12" SOLID WHITE (FT)	8" SOLID WHITE (FT)	CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER WHITE (FT)	4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LEFT/ RIGHT ARROW (EACH.)	STRT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	4" WHITE (FT)	6" WHITE (FT)	12" WHITE (FT)	24" WHITE (FT)	24" YELLOW (FT)	WORD (ONLY) (EACH)	24 IN X 36 IN YIELD LINE TRIANGLES (EACH)	REMARKS
JEFFRIES RD (CONTINUED)																										
3.929	3.946	OB PKWY N LT	89.76							89.76																EDGELINE
3.929	3.980	OB PKWY N RT	269.28								67.32															LINE EXTENSION (3' LONG, 9' GAP)
3.946		OB PKWY N LT																			12					STOP BAR
3.946	4.007	OB PKWY N LT	322.08									644.16														CENTERLINE - OB PKWY
3.947	4.007	OB PKWY N LT	316.80							316.80																EDGELINE
3.980	4.007	OB PKWY N RT	142.56							142.56																LANE LINE
3.996		OB PKWY N RT												1	1									2		1 RIGHT & 1 STRAIGHT ARROW
4.007	4.021	OB PKWY N	73.92								18.48		18.48													LINE EXTENSIONS (3' LONG, 9' GAP)
4.021	4.030	OB PKWY N LT & RT	47.52							57.52		47.52														EDGELINES
0.019	0.162	RP 54W TO JEFFRIES RT	755.04							755.04																EDGELINES
0.019	0.147	RP 54W TO JEFFRIES LT	675.84									675.84														
0.162		RP 54W TO JEFFRIES LT & RT								20.00											60					EDGELINE AND STOP BAR
0.616	0.640	JEFFRIES S LT & RT	126.72							253.44																EDGELINE
0.616		JEFFRIES S RT										0.00									12					STOP BAR
0.616	0.640	JEFFRIES S	126.72									253.44														CENTERLINE
0.647	0.673	JEFFRIES S RT	137.28							149.28																EDGELINE (INCLUDES EL FROM RIGHT TURN LANE)
0.658	0.832	JEFFRIES S	918.72							1,867.44		1,837.44														EDGELINES & CENTERLINE
0.673	0.832	JEFFRIES S RT	839.52							839.52																EDGELINE
0.673	0.789	JEFFRIES S RT	612.48								153.12															CENTERLINE - SB LANES
0.795		JEFFRIES S RT												2												1 LEFT & 1 RIGHT ARROW
0.819		JEFFRIES S RT												2												1 LEFT & 1 RIGHT ARROW
0.832		JEFFRIES S RT																			33					STOP BARS
CASE RD																										
0.019	0.203	54W TO CASE LT & RT	971.52	971.52		971.52																				EDGELINES
0.155	0.203	54W TO CASE	253.44			253.44																				LANE LINE
0.191		54W TO CASE LT & RT												2												1 LEFT & 1 RIGHT ARROW
0.203		54W TO CASE LT & RT							65.00												30					ISLAND MARKING & STOP BAR
0.002	0.263	CASE TO 54E LT & RT	1,378.08	1,378.08		1,378.08																				EDGELINES
0.002		CASE TO 54E							35.00																	ISLAND MARKING
0.535	0.640	CASE S LT & RT	554.40							1,108.80																EDGELINES
0.535	0.621	CASE S	454.08									908.16														CENTERLINE - CASE
0.621	0.648	CASE S	142.56									570.24											19			CENTERLINE & HASHBARS
0.659	0.770	CASE S LT	586.08							586.08																EDGELINE
0.663	0.777	CASE S RT	601.92							601.92																EDGELINE
0.663	0.712	CASE S	258.72							258.72		517.44														CENTERLINE & LANE LINE
0.674		CASE S LT												1												LEFT ARROW
0.725	0.777	CASE S	274.56							274.56		549.12														CENTERLINE & LANE LINE
0.759		CASE S RT												1												LEFT ARROW
0.786	0.808	CASE S	116.16									464.64											25			CENTERLINE & HASHBARS
0.788	0.810	CASE S LT & RT	116.16							116.16	29.04															LANE LINE & LANE EXT. (3' LONG, 9' GAP)
0.792	0.831	CASE S LT	205.92							205.92																EDGELINE
0.800	0.831	CASE S RT	163.68																							EDGELINE
0.808		CASE S LT & RT												2										2		2 RIGHT ARROWS
0.810	0.828	CASE S	95.04							95.04		190.08														CENTERLINE & LANE LINE
0.828		CASE S																			12	78				CROSSWALKS & STOP BAR
2.962	2.999	OB PKWY N LT	195.36								48.84															CENTERLINE - SB LANES
2.962	2.997	OB PKWY N	184.80									184.80	46.20													CENTERLINE - OB PKWY (TWTL)
2.962	2.968	OB PKWY N	31.68									31.68	7.92													CENTERLINE - OB PKWY
2.962	2.979	OB PKWY N RT	89.76								22.44															CENTERLINE - NB LANES
2.979	2.999	OB PKWY N RT	105.60							211.20																LANE LINES
2.979		OB PKWY N RT												1										1		LEFT ARROW
2.997		OB PKWY N RT																			12					STOP BAR
2.999		OB PKWY N																			24	72				CROSSWALK & STOP BARS
3.003		OB PKWY N																			32	84				CROSSWALK & STOP BARS
3.003	3.018	OB PKWY N	79.20							158.40	19.80															LANE LINES & CENTERLINE - NB LANES
3.005		OB PKWY N LT																			12					STOP BAR
3.005	3.018	OB PKWY N LT	68.64							68.64																EDGELINE
3.005	3.018	OB PKWY N	68.64									137.28														CENTERLINE - OB PKWY
3.009		OB PKWY N LT												1										1		LEFT ARROW
0.015	0.216	54E TO CASE LT	1,061.28	1,061.28																						EDGELINE
0.015	0.213	54E TO CASE RT	1,045.44			1,045.44																				EDGELINE
0.164	0.213	54E TO CASE	258.72			258.72																				LANE LINE
0.200		54E TO CASE												2												1 LEFT & 1 RIGHT ARROW
0.213		54E TO CASE							70.00												20					ISLAND MARKING & STOP BAR
0.004		CASR TO 54W							55.00																	ISLAND MARKING
0.004	0.263	CASE TO 54 LT & RT	1,367.52	1,367.52		1,367.52																				EDGELINES
		SUBTOTAL (8)	4,778.40	0.00	5,274.72	0.00	0.00	225.00	8,176.80	359.04	7,011.84	73	15	1	0	0	0	0	259	234	44	6	0		

SUMMARY OF QUANTITIES
SHEET 16 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:31:30 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE 54/KK | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY CAMDEN
JOB NO. J5P3554
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)

SUMMARY OF QUANTITIES
SHEET 16 OF 27

PAVEMENT MARKINGS (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS) 6" SOLID YELLOW (FT)	6" INTER YELLOW (FT)	6" SOLID WHITE (FT)	6" INTER WHITE (FT)	12" SOLID WHITE (FT)	8" SOLID WHITE (FT)	CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER WHITE (FT)	4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LEFT/ RIGHT ARROW (EACH.)	STRT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	4" WHITE (FT)	6" WHITE (FT)	12" WHITE (FT)	24" WHITE (FT)	24" YELLOW (FT)	WORD (ONLY) (EACH)	24 IN X 36 IN YIELD LINE TRIANGLES (EACH)	REMARKS
NICHOLS RD																										
0.033	0.154	54WB TO NICHOLS	638.88	638.88		638.88																				EDGELINES
0.110	0.154	54WB TO NICHOLS	232.32			232.32																				LANE LINE
0.114		54WB TO NICHOLS												2												1 LEFT ARROW, 1 RIGHT ARROW
0.141		54WB TO NICHOLS												2												1 LEFT ARROW, 1 RIGHT ARROW
0.145	0.154	54WB TO NICHOLS	47.52			47.52			100.00																	LANE LINE
0.154		54WB TO NICHOLS																			12					ISLAND MARKING & STOP BAR
0.005	0.195	NICHOLS TO 54E	1,003.20	1,003.20		1,003.20																				EDGELINES
0.005	0.195	NICHOLS TO 54E	1,003.20	1,003.20		1,003.20																				EDGELINES
1.690	1.725	NICHOLS S	184.80									369.60														CENTERLINE
1.690	1.774	NICHOLS S LT	443.52							443.52																EDGELINE
1.690	1.782	NICHOLS S RT	485.76							485.76																EDGELINE
1.725	1.782	NICHOLS S	300.96									1,203.84											56			CENTERLINE & HASHBARS
1.772	1.782	NICHOLS S RT	52.80							52.80																LANE LINE
1.774		NICHOLS S RT												1												RIGHT ARROW
1.782		NICHOLS RT																			12					STOP BAR
1.798		NICHOLS S LT																			12					STOP BAR
1.798	1.856	NICHOLS S	306.24							306.24		306.24														EDEGELINES
1.798	1.819	NICHOLS S LT	110.88							110.88																LANE LINE
1.803		NICHOLS S LT																			12					STOP BAR
1.803	1.852	NICHOLS S	258.72									517.44														CENTERLINE
1.812		NICHOLS S LT												1												LEFT ARROW
1.829	1.856	NICHOLS S RT	142.56							142.56																LANE LINE
1.842		NICHOLS S RT												1												LEFT ARROW
1.852		NICHOLS S RT																			12					STOP BAR
1.856		NICHOLS S RT																			12					STOP BAR
1.870	1.898	NICHOLS S LT & RT	147.84							147.84		147.84														EDGELINES
1.870		NICHOLS S LT																			12					STOP BAR
1.870	1.878	NOCHOLS S LT	42.24							42.24																LANE LINE
1.870	1.898	NICHOLS S	147.84									591.36											63			CENTERLINE & HASHBARS
1.873		NICHOLS S LT												1												RIGHT ARROW
0.007	0.170	NICHOLS TO 54W	860.64	860.64		860.64																				EDGELINES
0.027	0.233	54E TO NICHOLS	1,087.68	1,087.68		1,087.68																				EDGELINES
0.175	0.233	54E TO NICHOLS	306.24			306.24																				LANE LINE
0.179		54E TO NICHOLS												2												1 LEFT ARROW, 1 RIGHT ARROW
0.216		54E TO NICHOLS												2												1 LEFT ARROW, 1 RIGHT ARROW
0.233		54E TO NICHOLS																			18					STOP BAR
ROUTE KK RAMPS																										
0.022	0.162	54W TO RT KK	739.20				184.80																			LINE EXTENSION (10' LONG, 30' GAP)
0.033	0.208	54W TO RT KK	924.00	924.00		924.00																				EDGELINES
0.162	0.208	54W TO RT KK	242.88			242.88																				LANE LINE
0.165		54W TO RT KK												2												1 LEFT ARROW, 1 RIGHT ARROW
0.194		54W TO RT KK												2												1 LEFT ARROW, 1 RIGHT ARROW
0.208		54W TO RT KK																			12					STOP BAR
0.005	0.191	RT KK TO 54E	982.08	982.08		982.08																				EDGELINES
0.005		RT KK TO 54E							30.00																	ISLAND MARKING
0.005	0.013	RT KK TO 54E	42.24				10.56																			LINE EXTENSION (3' LONG, 9' GAP)
0.013	0.077	RT KK TO 54E	337.92				84.48																			LINE EXTENSION (10' LONG, 30' GAP)
0.007		RT KK TO 54E	-36.96														1									
0.125		RT KK TO 54E	-660.00														1									
0.010	0.189	RT KK TO 54W	945.12	945.12		945.12																				EDGELINES
0.010	0.013	RT KK TO 54W	15.84				3.96																			LINE EXTENSION (3' LONG, 9' GAP)
0.043	0.189	RT KK TO 54W	770.88				192.72																			LINE EXTENSION (10' LONG, 30' GAP)
0.024	0.194	54E TO RT KK	897.60	897.60		897.60																				EDGELINES
0.024	0.130	54E TO RT KK	559.68				139.92																			LINE EXTENSION (10' LONG, 30' GAP)
0.130	0.146	54E TO RT KK	84.48				42.24																			LINE EXTENSIONS (10' LONG, 30' GAP)
0.146	0.194	54E TO RT KK	253.44			506.88																				LANE LINES
0.154		54E TO RT KK												3												2 LEFT ARROWS, 1 RIGHT ARROW
0.185		54E TO RT KK												3												2 LEFT ARROWS, 1 RIGHT ARROW
0.185	0.194	54E TO RT KK	47.52			47.52																				LANE LINE
0.194		54E TO RT KK																			24					STOP BARS
ROUTE Y																										
0.044	0.300	54W TO RT Y	1,351.68	1,351.68		1,351.68																				EDGELINES
0.306		54W TO RT Y							25.00																	ISLAND MARKING
0.014	0.273	RT Y TO 54E	1,367.52	1,367.52		1,367.52																				EDGELINES
0.014	0.198	RT Y TO 54W	971.52	971.52		971.52																				EDGELINES
0.043	0.236	54E TO RT Y	1,019.04	1,019.04		1,019.04																				EDGELINES
		SUBTOTAL (9)	13,052.16	0.00		14,435.52	658.68	0.00	155.00	1,731.84	0.00	3,136.32	0	22	0	0	2	0	0	138	0	119	0	0		

SUMMARY OF QUANTITIES
SHEET 17 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:31:19 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED: 7/28/2025
ROUTE: 54/KK
STATE: MO
DISTRICT: CD
SHEET NO.: 3
COUNTY: CAMDEN
JOB NO.: J5P3554
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)

SUMMARY OF QUANTITIES
SHEET 17 OF 27

PAVEMENT MARKINGS (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS) 6" SOLID YELLOW (FT)	6" INTER YELLOW (FT)	6" SOLID WHITE (FT)	6" INTER WHITE (FT)	12" SOLID WHITE (FT)	8" SOLID WHITE (FT)	CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER WHITE (FT)	4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LEFT/ RIGHT ARROW (EACH,)	STRT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	4" WHITE (FT)	6" WHITE (FT)	12" WHITE (FT)	24" WHITE (FT)	24" YELLOW (FT)	WORD (ONLY) (EACH)	24 IN X 36 IN YIELD LINE TRIANGLES (EACH)	REMARKS
ROUTE Y (CONTINUED)																										
0.244		54E TO RT Y							25.00																	ISLAND MARKING
2.482	2.752	ROUTE Y	1,425.60									2,851.20														CENTERLINE
2.482	2.541	ROUTE Y LT & RT	311.52							623.04																EDGLINES
2.564		ROUTE Y LT								35.00																EDGELINE
2.568	2.674	ROUTE Y LT & RT	559.68							1,119.36																EDGELINES
2.687		ROUTE Y RT								35.00																EDGELINE
2.696	2.752	ROUTE Y LT & RT	295.68							591.36																EDGLINES
NORTH BUSINESS 5																										
1.559	1.624	N BUS 5 S	343.20									686.40														CENTERLINE
1.588	1.624	N BUS 5 S RT	190.08							190.08																LANE LINE
1.588	1.628	N BUS 5 S RT	211.20							422.40																LANE LINES
1.592		N BUS 5 S RT																						1		
1.596		N BUS 5 S RT												2	1	1										2 LEFT ARROWS, STRAIGHT & STRAIGHT/RIGHT COMBO
1.611		N BUS 5 S RT																						1		
1.615		N BUS 5 S RT												2	1	1										2 LEFT ARROWS, STRAIGHT & STRAIGHT/RIGHT COMBO
1.624		N BUS 5 S RT																			24					2 STOP BARS
1.628		N BUS 5 S RT																			24					2 STOP BARS
1.632		N BUS 5 S																				90				CROSSWALK
SOUTH BUSINESS 5																										
0.005		S BUS 5 S																				84				CROSSWALK
0.009		S BUS 5 S LT																			24					2 STOP BARS
0.009	0.042	S BUS 5 S LT	174.24							348.48																LANE LINES
0.014		S BUS 5 S LT																			24					STOP BAR
0.014	0.042	S BUS 5 S	147.84									295.68											28			CENTERLINE & HASHBARS
0.019		S BUS 5 S LT												1	1	1										LEFT ARROW, STRAIGHT & STRAIGHT/RIGHT COMBO
0.024	0.051	S BUS 5 S LT & RT	142.56							285.12																EDGELINES
0.038		S BUS 5 S LT												3	1	1										3 LEFT ARROWS, STRAIGHT & STRAIGHT/RIGHT COMBO
0.042	0.051	S BUS 5 S	47.52									47.52	11.88													TWTL
ROUTE KK																										
0.000	2.570	ROUTE KK E LT	13,569.60							13,569.60																EDGELINE
0.000	2.592	ROUTE KK E RT	13,685.76							13,685.76																EDGELINE
0.000	0.357	ROUTE KK E	1,884.96									3,769.92														CENTERLINE
0.357	0.456	ROUTE KK E	522.72									522.72	130.68													CENTERLINE
0.456	1.015	ROUTE KK E	2,951.52									5,903.04														CENTERLINE
1.015	1.136	ROUTE KK E	638.88									638.88	159.72													CENTERLINE
1.136	1.335	ROUTE KK E	1,050.72									2,101.44														CENTERLINE
1.335	1.455	ROUTE KK E	633.60									633.60	158.40													CENTERLINE
1.455	1.495	ROUTE KK E	211.20										52.80													CENTERLINE
1.495	1.675	ROUTE KK E	950.40									950.40	237.60													CENTERLINE
1.507		ROUTE KK E																				42				CROSSWALK
1.525		ROUTE KK E																				42				CROSSWALK
1.675	2.015	ROUTE KK E	1,795.20									3,590.40														CENTERLINE
2.015	2.115	ROUTE KK E	528.00										132.00													CENTERLINE
2.115	2.195	ROUTE KK E	422.40									422.40	105.60													CENTERLINE
2.195	2.210	ROUTE KK E	79.20									158.40														CENTERLINE
2.210	2.276	ROUTE KK E	348.48									348.48	87.12													CENTERLINE
2.276	2.296	ROUTE KK E	105.60										26.40													CENTERLINE
2.296	2.336	ROUTE KK E	211.20									211.20	52.80													CENTERLINE
2.336	2.570	ROUTE KK E	1,235.52									2,471.04														CENTERLINE
2.570	2.592	ROUTE KK E	116.16									232.32											15			CENTERLINE & HASHBARS
2.592		ROUTE KK E								19.00	7.50															EDGELINE & LANE EXTENTION (3' LONG, 9' GAP) - N LEG
2.592	2.598	ROUTE KK E RT	31.68							31.68																EDGELINE - ROUNDABOUT
2.592		ROUTE KK E LT										280.00														EDGELINE - ROUNDABOUT (CIRCLE)
2.598	2.607	ROUTE KK E RT								221.00	6.25	170.00														EDGLINES & LANE EXTENTION (3' LONG, 9' GAP) - W LEG
2.607	2.613	ROUTE KK E RT	31.68							31.68																EDGELINE - ROUNDABOUT
2.613	2.635	ROUTE KK E RT	116.16							665.00	7.50	290.00										26	19			EDGLINES, HASHBARS, CHEVRONS & LANE EXTENTION (3' LONG, 9' GAP) - S LEG
2.635	2.646	ROUTE KK E RT	58.08							58.08																LANE LINE
2.635	2.753	ROUTE KK E RT	623.04							623.04																EDGELINE

SUMMARY OF QUANTITIES
SHEET 18 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:31:11 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE 54/KK | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY CAMDEN
JOB NO. J5P3554
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)

SUMMARY OF QUANTITIES
SHEET 18 OF 27

PAVEMENT MARKINGS (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH (FT)	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS) 6" SOLID YELLOW (FT)	6" INTER YELLOW (FT)	6" SOLID WHITE (FT)	6" INTER WHITE (FT)	12" SOLID WHITE (FT)	8" SOLID WHITE (FT)	CLASS 1 PAVEMENT MARKING PAINT (18-MIL, TYPE P BEADS) 4" SOLID WHITE (FT)	4" INTER WHITE (FT)	4" SOLID YELLOW (FT)	4" INTER YELLOW (FT)	PREFORMED THERMOPLASTIC INTERSECTION MARKING LEFT/ RIGHT ARROW (EACH.)	STRT ARROW (EACH)	COMBO STRT/LT/RT ARROW (EACH)	LANE REDUCTION ARROW (EACH)	4" WHITE (FT)	6" WHITE (FT)	12" WHITE (FT)	24" WHITE (FT)	24" YELLOW (FT)	WORD (ONLY) (EACH)	24 IN X 36 IN YIELD LINE TRIANGLES (EACH)	REMARKS
ROUTE KK (CONTINUED)																										
2.697		ROUTE KK E LT												1												RIGHT ARROW
2.699	2.749	ROUTE KK E LT	264.00								66.00															LINE EXTENSION (3' LONG, 9' GAP)
2.706		ROUTE KK E LT																						1		
2.710	2.743	ROUTE KK E LT	174.24							174.24																EDGELINE
2.717	2.760	ROUTE KK E RT	227.04							227.04		908.16											143			CENTERLINE, LANE LINE & HASHBARS
2.725	2.760	ROUTE KK E RT	184.80							184.80																LANE LINE
2.734		ROUTE KK E LT												1												RIGHT ARROW
2.739		ROUTE KK E RT																						1		
2.743		ROUTE KK E LT & RT												1										1		RIGHT ARROW
2.760		ROUTE KK E RT																13.75		24						2 STOP BARS, LEFT TURN EXTENSION
2.766		ROUTE KK E LT																		24						2 STOP BARS
2.766	2.832	ROUTE KK E LT	348.48							348.48	87.12															EDGELINE & CENTERLINE - WB LANES
2.766	2.801	ROUTE KK E LT	184.80							184.80																LANE LINE
2.774		ROUTE KK E LT																		24						2 STOP BARS
2.774	2.801	ROUTE KK E LT	142.56							142.56																LANE LINE
2.774	2.832	ROUTE KK E	306.24									612.48														CENTERLINE - RT KK
2.774	2.818	ROUTE KK E RT	232.32								58.08															CENTERLINE - EB LANES
2.774	2.839	ROUTE KK E RT	343.20							343.20																EDGELINE
2.801	2.832	ROUTE KK E LT	163.68								40.92															LINE EXTENSION (10' LONG, 30' GAP)
2.818	2.832	ROUTE KK E RT	73.92							73.92																LANE LINE
2.818	2.839	ROUTE KK E RT	110.88							110.88																LANE LINE
2.823		ROUTE KK E RT												2	1									1		2 LEFT ARROWS & 1 STRAIGHT ARROW
2.832		ROUTE KK E RT																		24						2 STOP BARS
2.832		ROUTE KK E RT																43.75								LEFT TURN EXTENSIONS
2.839		ROUTE KK E RT																								STOP BAR
2.847		ROUTE KK E LT																		36						3 STOP BARS
2.847	2.866	ROUTE KK E LT & RT	100.32							300.96																LANE LINES
2.847	2.908	ROUTE KK E	322.08									1,288.32											119			CENTERLINE & HASHBARS
2.866	2.933	ROUTE KK E RT	353.76							707.52																EDGELINE
2.866	2.913	ROUTE KK E LT	248.16							248.16																EDGELINE
2.866	2.933	ROUTE KK E LT	353.76								88.44															CENTERLINE - WB LANES
2.866	2.996	ROUTE KK E RT	686.40								171.60															CENTERLINE - EB LANES
2.908	2.935	ROUTE KK E	142.56									285.12														CENTERLINE - RT KK
2.925	2.933	ROUTE KK E LT	42.24							42.24																EDGELINE
2.935	2.954	ROUTE KK E	100.32									401.28														CENTERLINE - RT KK
2.944	2.952	ROUTE KK E LT	42.24							42.24																EDGELINE
2.944	2.970	ROUTE KK E RT	137.28							137.28																EDGELINE
2.952	2.979	ROUTE KK E	142.56									142.56	35.64													CENTERLINE - RT KK
2.960	2.967	ROUTE KK E LT	36.96							36.96																EDGELINE
2.977	2.984	ROUTE KK E LT	36.96							36.96																EDGELINE
2.979	3.014	ROUTE KK E RT	184.80							184.80																EDGELINE
2.979	2.996	ROUTE KK E	89.76									89.76	22.44													CENTERLINE - RT KK
2.996	3.014	ROUTE KK E LT	95.04							95.04																EDGELINE
2.996	3.018	ROUTE KK E	116.16									232.32														CENTERLINE - RT KK
2.996	3.014	ROUTE KK E RT	95.04							190.08																LANE LINES
2.996		ROUTE KK E RT												2		1										2 LEFT ARROWS & STRAIGHT/RIGHT COMBO
3.014		ROUTE KK E RT												2		1										2 LEFT ARROWS & STRAIGHT/RIGHT COMBO
3.018		ROUTE KK E RT																		36						3 STOP BARS
3.025		ROUTE KK E																					84			CROSSWALK - WHITE MIDBLOCK (CONTINENTAL)
		SUBTOTAL (11)	0.00	0.00	0.00	0.00	0.00	0.00	3,812.16	512.16	3,960.00	58.08	9	1	2	0	58	0	168	84	262	4	0		
		SUBTOTAL (1)	46,950.28	0.00	47,965.08	22,771.32	6,890.40	240.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	260	0	0	29		
		SUBTOTAL (2)	26,546.88	0.00	34,448.76	1,490.28	638.88	0.00	0.00	0.00	170.00	0.00	16	0	0	2	0	0	12	829	69	5	57		
		SUBTOTAL (3)	14,820.96	1,702.80	9,520.28	2,393.41	0.00	155.00	465.00	22.50	430.00	0.00	18	0	1	0	0	50	174	417	608	0	11		
		SUBTOTAL (4)	32,610.32	2,732.66	27,632.40	20,593.32	0.00	0.00	0.00	0.00	359.04	0.00	22	3	3	1	0	25	78	222	390	0	0		
		SUBTOTAL (5)	30,769.48	0.00	33,751.40	1,803.12	828.96	80.00	0.00	0.00	170.00	0.00	9	0	0	0	0	0	36	617	133	0	10		
		SUBTOTAL (6)	48,533.76	0.00	52,767.04	3,666.96	5,126.88	300.00	935.00	0.00	995.00	0.00	6	0	0	0	0	0	0	0	101	0	34		
		SUBTOTAL (7)	3,490.08	0.00	2,930.40	39.60	379.60	0.00	1,852.44	1,053.36	6,483.84	937.00	14	7	3	0	0	0	198	491	214	4	0		
		SUBTOTAL (8)	4,778.40	0.00	5,274.72	0.00	0.00	225.00	8,176.80	359.04	7,011.84	73.00	15	1	0	0	0	0	259	234	44	6	0		
		SUBTOTAL (9)	13,052.16	0.00	14,435.52	658.68	0.00	155.00	1,731.84	0.00	3,136.32	0.00	22	0	0	2	0	0	138	0	119	0	0		
		SUBTOTAL (10)	0.00	0.00	0.00	0.00	0.00	25.00	33,483.44	119.97	27,440.96	1,155.00	9	4	4	0	0	0	96	311	62	3	0		
		TOTAL	221,552.32	4,435.46	228,725.60	53,416.69	13,864.72	1,180.00	50,456.68	2,067.03	50,157.00	2,223.08	140	16	13	5	58	75	1,159	3,465	2,002	22	141		
		USE	225,988		282,142		13,865	1,180.00	52,524		52,380		140	16	13	5	58	75	1,159	3,465	2,002	22	141		

SUMMARY OF QUANTITIES
SHEET 19 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:31:03 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE 54/KK | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY CAMDEN
JOB NO. J5P3554
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)

SUMMARY OF QUANTITIES
SHEET 19 OF 27

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3" THICK OR LESS)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	AVG WIDTH FT	DEPTH IN	AREA SY	REMARKS
WBL							
153.794		RTE 54 WB LT		VAR	2	325.00	J-TURN
153.794	153.827	RTE 54 WB RT	174.2	VAR	2	230.00	J-TURN BUBBLE - NO SHOULDER
153.811	153.832	RTE 54 WB LT	110.9	13	2	160.19	ACCEL LANE (10') - SHLDR - LT (3') & RT (0')
153.832	154.014	RTE 54 WB	961.0	13	2	1,388.11	ACCEL LANE (10') - SHLDR - LT (3') & RT (9')
154.096	154.400	RTE 54 WB RT	1,605.1	13	2	2,318.48	DECEL/ACCEL LANE - RT (9') - LT (3') & RT (1') CONCRETE ADJACENT (REMOVE RUMBLES)
154.134		RTE 54 WB RT		VAR	2	300.00	KEY LARGO
154.459	154.480	RTE 54 WB	110.9	28	2.75	345.02	
154.472		RTE 54 WB RT		VAR	2.75	205.00	PRIVATE ENTRANCE
154.480	154.520	RTE 54 WB	211.2	30	2.75	704.00	
154.520	154.541	RTE 54 WB	110.9	28	2.75	345.02	
154.528		RTE 54 WB RT		VAR	2.75	200.00	PRIVATE ENTRANCE
154.541	154.601	RTE 54 WB	316.8	40	2.75	1,408.00	RT TURN LANE (10')
154.601	154.713	RTE 54 WB	591.4	47	2.75	3,088.42	RT TURN LANE TAPER (10' TO 24") - INCLUDES GORE
154.713	154.727	RTE 54 WB	73.9	60	2.75	492.67	RUNABOUT DR
154.714		RTE 54 WB RT		VAR	2.75	390.00	RUNABOUT DR
154.727	154.742	RTE 54 WB	79.2	30	2.75	264.00	
154.742	154.753	RTE 54 WB	58.1	28	2.75	180.76	
154.747		RTE 54 WB RT		VAR	2.75	135.00	PRIVATE ENTRANCE
154.753	154.818	RTE 54 WB	343.2	30	2.75	1,144.00	
154.818	154.829	RTE 54 WB	58.1	28	2.75	180.76	
154.824		RTE 54 WB RT		VAR	2.75	110.00	PRIVATE ENTRANCE
154.829	154.930	RTE 54 WB	533.3	30	2.75	1,777.67	
154.930	154.944	RTE 54 WB	73.9	28	2.75	229.91	
154.939		RTE 54 WB RT		VAR	2.75	175.00	SPRING VALLEY
154.944	155.081	RTE 54 WB	723.4	30	2.75	2,411.33	
155.081	155.098	RTE 54 WB	89.8	28	2	279.38	
155.084		RTE 54 WB RT		VAR	2	165.00	PRIVATE DRIVE
0.110	0.135	RP 54W TO RT Y	135.0	30	2	450.00	ASPHALT LOCATION ON RAMP
2.582	2.594	RT Y E	63.4	40	2	281.78	ASPHALT LOCATION AT BRIDGE END
156.200	157.198	RTE 54 WB	5,269.4	30	2	17,564.67	
157.198		RTE 54 WB LT		VAR	2	345.00	J-TURN
157.198	157.219	RTE 54 WB RT	110.9	VAR	2	240.00	J-TURN BUBBLE
157.198	157.206	RTE 54 WB	42.2	28	2	131.29	NO SHOULDERS
157.206	157.219	RTE 54 WB	68.6	42	2	320.13	ACCEL LANE (12')
157.219	157.319	RTE 54 WB	528.0	50	2	2,933.33	RT TURN (10') & LT ACCEL/DECEL LANE (12')
157.298		RTE 54 WB RT		VAR	2	170.00	CAPE WOOD
157.319	157.373	RTE 54 WB	285.1	42	2	1,330.47	LT ACCEL/DECEL LANE (12')
157.373	157.385	RTE 54 WB RT	63.4	42	2	295.87	LT ACCEL/DECEL LANE (12')
157.373		RTE 54 WB RT		VAR	2	135.00	PRIVATE ENTRANCE
157.385		RTE 54 WB RT		VAR	2	135.00	CAMPGROUND RD
157.385	157.397	RTE 54 WB	63.4	42	2	295.87	LT ACCEL/DECEL LANE (12')
157.397	157.508	RTE 54 WB	586.1	42	2	2,735.13	LT ACCEL/DECEL LANE (12')
157.508	157.515	RTE 54 WB	37.0	42	2	172.67	LT ACCEL/DECEL LANE (12')
157.508		RTE 54 WB RT		VAR	2	70.00	PRIVATE ENTRANCE
157.515	157.538	RTE 54 WB	121.4	42	2	566.53	LT ACCEL/DECEL LANE (12')
157.538		RTE 54 WB RT		VAR	2	50.00	PRIVATE ENTRANCE
157.538	157.544	RTE 54 WB	31.7	42	2	147.93	LT ACCEL/DECEL LANE (12')
157.544	157.552	RTE 54 WB	42.2	42	2	196.93	LT ACCEL/DECEL LANE (12')
157.552		RTE 54 WB RT		VAR	2	70.00	PRIVATE ENTRANCE
157.552	157.558	RTE 54 WB	31.7	42	2	147.93	LT ACCEL/DECEL LANE (12')
157.558	157.659	RTE 54 WB	533.3	42	2	2,488.73	LT ACCEL/DECEL LANE (12')
157.659		RTE 54 WB RT		VAR	2	120.00	WOLVERINES WAY
157.659	157.680	RTE 54 WB	110.9	42	2	517.53	LT ACCEL/DECEL LANE (12')
157.680		RTE 54 WB RT		VAR	2	150.00	PRIVATE ENTRANCE
157.680	157.696	RTE 54 WB		46			LT ACCEL/DECEL LANE TAPER (12' TO 20')
157.696	157.761	RTE 54 WB	343.2	62	2	2,306.49	LT ACCEL/DECEL LANE TAPER (20' TO 44') SUBTRACT CABLE AREA
157.740		RTE 54 WB LT	130.0				AROUND GUARD CABLE
157.761		RTE 54 WB RT		VAR	2	150.00	PRIVATE ENTRANCE
157.761	157.776	RTE 54 WB	79.2	30	2	264.00	
157.776	158.122	RTE 54 WB	1,826.9	30	2	6,089.67	
158.122	158.178	RTE 54 WB	295.7	37	2	1,215.66	LEFT DECEL LANE TAPER (2' TO 12')
158.178	158.257	RTE 54 WB	417.1	42	2	1,946.47	LEFT DECEL LANE (12')
158.257		RTE 54 WB LT		VAR	2	355.00	J-TURN
158.257	158.278	RTE 54 WB	110.9	28	2	345.02	
158.278	158.340	RTE 54 WB	327.4	30	2	1,091.33	
158.340		RTE 54 WB RT		VAR	2	60.00	PRIVATE ENTRANCE
158.340	158.348	RTE 54 WB	42.2	32	2	150.04	
158.348	158.438	RTE 54 WB	475.2	36	2	1,900.80	SHLDR - LT (4' TO 12') & RT (8' TO 2')
158.438	158.578		739.2	40	2	3,285.33	
158.578		RTE 54 WB LT		VAR	2	450.00	CROSSOVER
158.578	158.597	RTE 54 WB	100.3	26	2	289.76	
158.597	158.620	RTE 54 WB	121.4	42	2	566.53	LEFT ACCEL LANE (12')
158.600		RTE 54 WB RT		VAR	2	25.00	
158.620	158.663	RTE 54 WB					BR A5241 EXCEPTION
158.663	158.795	RTE 54 WB	697.0	36	2	2,788.00	
158.663	158.717	RTE 54 WB RT	285.1	16	2	506.84	TAPER 4' TO 20', SHLDR - 4'
158.663	158.734	RTE 54 WB LT	374.9	34.5	2	1,437.12	TAPER 4' TO 57', SHLDR - 4'
158.692		RTE 54 WB RT		VAR	2	30.00	PRIVATE ENTRANCE
				SUBTOTAL (1)		76,267.57	

SUMMARY OF QUANTITIES
SHEET 20 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/29/2025 12:30:44 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE 54/KK | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY CAMDEN
JOB NO. J5P3554
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)

SUMMARY OF QUANTITIES
SHEET 20 OF 27

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3" THICK OR LESS) (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	AVG WIDTH FT	DEPTH IN	AREA SY	REMARKS
WBL (CONTINUED)							
158.733		RTE 54 WB RT		VAR	2	870.00	EAST VALLEY DR
158.733		RTE 54 WB LT		VAR	2	105.00	CROSSOVER
158.758	158.795	RTE 54 WB	195.4	44	2	955.29	RT ACCEL LANE (12')
158.795	158.937	RTE 54 WB	749.8	38	2	3,165.82	RT ACCEL LANE TAPER (12' TO 0')
158.937	158.970	RTE 54 WB	174.2	30	2	580.67	
158.970		RTE 54 WB RT		VAR	2	100.00	PRIVATE ENTRANCE
158.970	158.977		37.0	32	2	131.56	
158.977	159.064	RTE 54 WB	459.4	26	2	1,327.16	SHLDR - LT (0') & RT (8')
158.977	159.076	RTE 54 WB LT	522.7	35	2	2,032.72	TAPER 2' TO 60', SHLDR 4'
159.076		RTE 54 WB RT		VAR	2	330.00	LOCUST ST
159.076		RTE 54 WB LT		VAR	2	335.00	CROSSOVER
159.064	159.095	RTE 54 WB	163.7	24	2	436.53	SHLDR - LT (0') & RT (0')
159.095	159.282	RTE 54 WB	987.4	28	2	3,071.91	
159.334	159.412	RTE 54 WB	411.8	42	2	1,921.73	LEFT DECEL LANE (12')
159.412	159.434	RTE 54 WB	116.2	24	2	309.87	
159.420		RTE 54 WB RT		VAR	2	400.00	WEST VALLEY RD
159.420		RTE 54 WB LT		VAR	2	775.00	CROSSOVER
159.434	159.653	RTE 54 WB	1,156.3	30	2	3,854.33	
159.653	159.685	RTE 54 WB	169.0	34	2	638.44	SHLDR RT TAPER (6' TO 10')
159.685	159.697	RTE 54 WB	63.4	24	2	169.07	
159.687				VAR	2	175.00	CROSS CREEK DR
159.687		RTE 54 WB LT		VAR	2	370.00	CROSSOVER
159.697	159.896	RTE 54 WB	1,050.7	30	2	3,502.33	
WBL & EBL (UNDIVIDED SECTION) - WB LOG MILES							
159.896	159.980	RTE 54	443.5	86	2	4,237.89	SHLDR - LT (0') & RT (8'), EB SHLDR RT (8')
159.980	160.000	RTE 54	105.6	86	2	1,009.07	SHLDR - LT (8 ') & RT (8' TO 4') - RIGHT TURN LANE TAPER (0' TO 12')
160.000	160.020	RTE 54	105.6	89	2	1,044.27	SHLDR - LT (8') & RT (4') - RIGHT TURN LANE (12')
160.020	160.040	RTE 54	105.6	72	2	844.80	SHLDR - LT (8') & RT (0') - RIGHT TURN LANE (0')
160.040	160.119	RTE 54	417.1	72	2	3,336.80	BEGIN CURB AND GUTTER SECTION
160.119	160.259	RTE 54	739.2	66	2	5,420.80	CURB AND GUTTER SECTION - MIDDLE LANE TAPER (24' TO 12')
160.259	160.399	RTE 54	739.2	62	2	5,092.27	
160.399	160.438	RTE 54	205.9	68	2	489.00	RIGHT TURN LANE TAPER (0' TO 12')
160.438	160.498	RTE 54	316.8	74	2	2,604.80	RIGHT TURN LANE - 12'
160.498	160.538	RTE 54	211.2	68	2	1,595.73	RIGHT TURN LANE TAPER (12' TO 0')
160.538	160.808	RTE 54	1,425.6	62	2	9,820.80	
160.690		RTE 54 WB LT		VAR	2	350.00	LAKER PRIDE RD
160.690		RTE 54 WB RT		VAR	2	460.00	JACK CROWELL RD
160.808	160.835	RTE 54	142.6	52	2	823.91	RAISED MEDIAN IN MIDDLE LANE
160.835	160.850	RTE 54	79.2	62	2	545.60	
160.908	160.946	RTE 54	200.6	62	2	1,381.91	
160.964	161.005	RTE 54	216.5	52	2	1,250.89	RAISED MEDIAN IN MIDDLE LANE
161.005	161.022	RTE 54	89.8	58	2	578.71	18" WIDE MEDIAN IN MIDDLE LANE
161.022	161.627	RTE 54	3,194.4	62	2	22,005.87	END CURB AND GUTTER SECTION
161.579		RTE 54 WB RT		VAR	2	3,400.00	BUSINESS ROUTE 5
161.579		RTE 54 WB LT		VAR	2	2,055.00	BUSINESS ROUTE 5
162.791	162.983	RTE 54	1,013.8	52	2.75	5,857.51	SHLDR - LT (4') & RT (4')
162.960		RTE 54 WB LT		VAR	2.75	90.00	BUMPER HILL RD
162.983	163.063	RTE 54	422.4	54	2.75	2,534.40	TAPER MIDDLE LANE (12' TO 0'), SHLDR - LT (4') & RT (4' TO 10')
163.063	163.185	RTE 54	644.2	50	2.75	3,578.89	SHLDR - LT (4') & RT (8')
163.185	163.479	RTE 54	1,552.3	42	2.75	7,244.07	SHLDR - LT (4') & RT (8')
163.479	163.485	RTE 54	31.7	40	2.75	140.89	
163.481		RTE 54 LT		VAR	2.75	25.00	HESCOCK DR
163.485	163.546	RTE 54	322.1	40	2.75	1,431.56	
163.546	163.586	RTE 54	211.2	32	2.75	750.93	EB CLIMBING LANE TAPER (12' TO 0'), SHLDR TAPER (4' TO 8') EB
163.586	163.826	RTE 54	1,267.2	28	2.75	3,942.40	
163.826	163.886	RTE 54	316.8	34	2.75	1,196.80	SHLDR LT (8' TO 6') & RT (8'), MIDDLE LANE TAPER (0' TO 12')
163.886	164.065	RTE 54	945.1	38	2.75	3,990.42	SHLDR LT (8') & RT (0'), MIDDLE LANE (12')
163.883	163.900	RTE 54	89.8	40	2.75	399.11	SHLDR LT (8') & RT (0'), MIDDLE LANE (12')
163.892		RTE 54 WB RT		VAR	2.75	320.00	BALL PARK RD
163.900	164.065	RTE 54	871.2	40	2.75	3,872.00	SHLDR LT (8') & RT (8'), MIDDLE LANE (12')
164.041		RTE 54 WB LT		VAR	2.75	620.00	ROUTE D
164.065	164.118	RTE 54	279.8	34	2	1,057.02	SHLDR LT (6' TO 8') & RT (8'), MIDDLE LANE TAPER (12' TO 0')
164.123		RTE 54 WB RT		VAR	2	60.00	GREEN BEACH LN
164.118	164.131	RTE 54	68.6	26	2	198.18	
164.131	164.143	RTE 54	63.4	28	2	197.24	
164.143	164.181	RTE 54	200.6	26	2	579.51	
164.165		RTE 54 WB LT		VAR	2	445.00	W LAKE PARK
164.181	164.202	RTE 54	110.9	28	2	345.02	
164.463	164.544	RTE 54	427.7	28	2	1,330.62	
164.544	164.624	RTE 54	422.4	34	2	1,595.73	MIDDLE LANE TAPER (0' TO 12')
164.624	164.643	RTE 54	100.3	46	2	512.64	RT TURN LANE TAPER (0' TO 12'), MIDDLE LANE (12'),SHLDR LT (8') & RT (8' TO 2')
164.643	164.664	RTE 54	110.9	50	2	616.11	RT TURN ENDS, MIDDLE LANE (12'), SHLDR LT (8') & RT (2')
164.664	164.685	RTE 54	110.9	38	2	468.24	
164.676		RTE 54 WB RT		VAR	2	335.00	CEDAR HEIGHTS DR
164.685	164.728	RTE 54	227.0	40	2	1,008.89	
							RTE 54 LOCATIONS BASED ON WESTBOUND LOG MILES
				SUBTOTAL (2)		138,648.73	

SUMMARY OF QUANTITIES
SHEET 21 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:30:35 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED: 7/28/2025
ROUTE: 54 | STATE: MO
DISTRICT: CD | SHEET NO.: 3
COUNTY: CAMDEN
JOB NO.: J5P3554
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)

SUMMARY OF QUANTITIES
SHEET 21 OF 27

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3" THICK OR LESS) (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	AVG WIDTH FT	DEPTH IN	AREA SY	REMARKS
WBL & EBL (UNDIVIDED SECTION) - WB LOG MILES (CONTINUED)							
164.728	164.757		153.1	36	2	612.40	
164.739		RTE 54 WB RT		VAR	2	350.00	OLD HIGHWAY 54
164.739		RTE 54 WB LT		VAR	2	550.00	SUNNY SLOPE DR
164.757	164.826	RTE 54	364.3	40	2	1,619.11	
164.826	164.962	RTE 54	718.1	34	2	2,712.82	MIDDLE LANE TAPER (12' TO 0')
164.962	164.980	RTE 54	95.0	28	2	295.56	
EBL							
111.925	112.042	RTE 54 EB	617.8	30	2.75	2,059.33	
112.042	112.101	RTE 54 EB	311.5	36	2.75	1,246.00	LEFT DECEL LANE TAPER (0' TO 12'), SHLDR LT (3' TO 2') & RT (8')
112.101	112.125	RTE 54 EB	126.7	41	2.75	577.19	LEFT DECEL LANE (12'), SHLDR LT (2') & RT (8')
112.125	112.137	RTE 54 EB	63.4	27	2.75	190.20	SHLDR LT (0') & RT (8')
112.137	112.302	RTE 54 EB	871.2	30	2.75	2,904.00	
112.302	112.382	RTE E4 EB	422.4	36	2.75	1,689.60	LEFT DECEL LANE TAPER (0' TO 12'), SHLDR LT (3' TO 2') & RT (8')
112.382	112.405	RTE 54 EB	121.4	24	2.75	323.73	
112.396		RTE 54 EB RT		VAR	2.75	350.00	WILLOW CREEK DR
112.405	112.486	RTE 54 EB	427.7	30	2.75	1,425.67	
112.499	112.644	RTE 54 EB	765.6	30	2.75	2,552.00	
112.644	112.786	RTE 54 EB	749.8	27	2.75	2,249.40	SHLDR LT (0') & RT (0')
112.644	112.741	RTE 54 EB LT	512.2	32	2.75	1,821.16	LT OFFSET LEFT (0' TO 60'), SHLDR LT (2')
112.644	112.738	RTE 54 EB RT	496.3	19	2.75	1,047.74	RT OFFSET RIGHT (0' TO 34'), SHLDR RT (2')
112.738		RTE 54 EB RT		VAR	2.75	425.00	ROUTE V
112.786	112.851	RTE 54 EB	343.2	30	2.75	1,144.00	
112.859		RTE 54 EB RT		VAR	2.75	140.00	PRIVATE ENTRANCE
112.851	112.867	RTE 54 EB	84.5	28	2.75	262.89	
112.867	112.962	RTE 54 EB	501.6	30	2.75	1,672.00	
112.962	112.984	RTE 54 EB	116.2	30	2.75	387.33	SHLDR RT (0')
112.962	113.063	RTE 54 EB RT	533.3	13	2.75	770.32	RT OFFSET RIGHT (0' TO 22'), SHLDR RT (2')
112.984	113.084	RTE 54 EB LT	528.0	30.5	2.75	1,789.33	LT OFFSET LEFT (0' TO 57'), SHLDR LT (2')
112.984	113.110	RTE 54 EB	665.3	27	2.75	1,995.90	SHLDR LT (0') & RT (0')
113.090		RTE 54 EB RT		VAR	2.75	620.00	BUSINESS PARK RD
113.110	113.171	RTE 54 EB	322.1	30	2.75	1,073.67	
113.202	113.257	RTE 54 EB	290.4	30	2.75	968.00	
113.263		RTE 54 EB RT		VAR	2.75	215.00	BUSINESS PARK RD
113.257	113.263	RTE 54 EB	31.7	27	2.75	95.10	SHLDR LT (0') & RT (0')
113.263	113.285	RTE 54 EB	116.2	38	2.75	490.62	
113.285	113.502	RTE 54 EB	1,145.8	44	2.75	5,601.69	RIGHT ACCEL LANE (12'), SHLDR LT (3') & RT (2')
113.502	113.554	RTE 54 EB	274.6	36	2.75	1,098.40	RIGHT ACCEL LANE TAPER (12' TO 0'), SHLDR LT (3') & RT (2' TO 8')
113.554	113.585	RTE 54 EB RT	163.7	VAR	2.75	260.00	J-TURN BUBBLE, NO RT SHLDR
113.554	113.566	RTE 54 EB	63.4	27	2.75		SHLDR LT (0') & RT (0')
113.566	113.585	RTE 54 EB	100.3	42	2.75	468.07	LEFT ACCEL LANE (12'), SHLDR LT (3') & RT (0')
113.585	113.883	RTE 54 EB	1,573.4	42	2.75	7,342.53	LEFT ACCEL LANE (12'), SHLDR LT (3') & RT (8')
113.883	113.943	RTE 54 EB	316.8	36	2.75	1,267.20	LEFT ACCEL LANE TAPER (12' TO 0'), SHLDR LT (3') & RT (8')
113.943	113.983	RTE 54 EB	211.2	30	2.75	704.00	
113.983	114.062	RTE 54 EB	417.1	50	2.75	2,317.22	RIGHT TURN LANE (0' TO 40'), SHLDR LT (3') & RT (8' TO 3")
114.062	114.067	RTE 54 EB	26.4	30	2.75	88.00	SHLDR RT (0')
114.069		RTE 54 EB RT		VAR	2.75	1,385.00	ROUTE A
114.067	114.083	RTE 54 EB	84.5	27	2.75	253.50	SHLDR LT (0') & RT (0')
114.083	114.109	RTE 54 EB	137.3	30	2.75	457.67	SHLDR LT (3') & RT (0')
114.109	114.321	RTE 54 EB	1,119.4	44	2.75	5,472.62	RIGHT ACCEL LANE (12'), SHLDR LT (3') & RT (2')
114.321	114.382	RTE 54 EB	322.1	42	2.75	1,503.13	RIGHT ACCEL LANE (12' TO 0'), SHLDR LT (3') & RT (2' TO 8')
114.382	114.422	RTE 54 EB	211.2	30	2.75	704.00	
114.422	114.482	RTE 54 EB	316.8	36	2.75	1,267.20	LEFT DECEL LANE (0' TO 12'), SHLDR LT (3') & RT (8')
114.482	114.522	RTE 54 EB	211.2	42	2.75	985.60	LEFT DECEL LANE (12'), SHLDR LT (3') & RT (8')
114.522	114.543	RTE 54 EB	110.9	40	2.75	492.89	LEFT DECEL LANE (12'), SHLDR LT (3') & RT (0')
114.522		RTE 54 EB RT		VAR	2.75	275.00	PRIVATE ENTRANCE
114.543	114.641	RTE 54 EB	517.4	42	2.75	2,414.53	LEFT DECEL LANE (12'), SHLDR LT (3') & RT (8')
114.641	114.662	RTE 54 EB	110.9	27	2.75	332.70	SHLDR LT (0') & RT (8')
114.662	115.610	RTE 54 EB	5,005.4	30	2.75	16,684.67	
115.610	115.781	RTE 54 EB	902.9	30	2	3,009.67	
115.781	115.859	RTE 54 EB	411.8	28	2	1,281.16	SHLDER LT (4') CONCRETE RT SHOULDER
115.859	115.981	RTE 54 EB	644.2	30	2	2,147.33	SHLDR LT (4') & RT (2')
115.981	116.384	RTE 54 EB	2,127.8	30	2.75	7,092.67	
117.621	117.663	RTE 54 EB	221.8	12	2.75	295.73	RIGHT DECEL LANE (12'), SHLDR LT (4') & RT (4')
117.621		RTE 54 EB RT		VAR	2.75	3,800.00	KEY LARGO INTERSECTION
117.717	117.802	RTE 54 EB	448.8	12	2.75	598.40	RIGHT ACCEL LANE (12'), SHLDR LT (3') & RT (2')
117.802	117.842	RTE 54 EB	211.2	12	2.75	281.60	RIGHT ACCEL LANE (12' TO 0'), SHLDR LT (4') & RT (2' TO 10')
117.902	117.942	RTE 54 EB	211.2	6	2.75	140.80	LEFT DECEL LANE (0' TO 12'), SHLDR LT (4') & RT (10')
117.942	118.029	RTE 54 EB	459.4	12	2.75	612.53	LEFT DECEL LANE (12'), SHLDR LT (4') & RT (10')
OB PKWY							
3.059	3.269	OB PKWY	1,108.8	53.00	2.00	6,529.60	WIDTH VARIES FROM 50' TO 55'
3.269	3.465	OB PKWY	1,034.9	58.00	2.00	6,669.36	WIDTH VARIES FROM 55' TO 60'
3.465	3.515	OB PKWY	264.0	VAR	2.00	1,050.00	
JEFFRIES RD							
0.616	0.659	JEFFRIES RD	227.0	24	2	605.33	
0.659	0.670	JEFFRIES RD	58.1	45	2	290.50	WIDTH VARIES FROM 56' TO 34', SHLDR RT (8' TO 6')
0.670	0.737	JEFFRIES RD	353.8	34	2	1,336.58	
0.775	0.819	JEFFRIES RD	232.3	34	2	877.58	
0.819	0.836	JEFFRIES RD	89.8	VAR	2	750.00	
							RTE 54 LOCATIONS BASED ON WESTBOUND LOG MILES
				SUBTOTAL (3)		125,369.53	

SUMMARY OF QUANTITIES
SHEET 22 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 12:30:26 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO

DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SUMMARY OF QUANTITIES
SHEET 22 OF 27

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3" THICK OR LESS) (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	AVG WIDTH FT	DEPTH IN	AREA SY	REMARKS
JEFFRIES RD (CONTINUED)							
3.788	3.950	OB PKWY	855.4	60	2	5,702.67	
3.950	3.966	OB PKWY	84.5	30	2	281.67	
3.966	4.015	OB PKWY		20	2		RIGHT TURN MOD MILL
4.015	4.023	OB PKWY	42.2	15	2	70.33	WIDTH VARIES FROM 30' TO 20' (TOTAL PVMT)
4.023	4.034	OB PKWY	58.1	13	2	83.92	RIGHT TURN MOD MILL
CASE RD							
0.532	0.621	CASE RD	469.9	24	2	1,253.07	
0.621	0.648	CASE RD	142.6	30	2	475.33	WIDTH VARIES FROM 24' TO 36'
0.648	0.700	CASE RD	274.6	36	2	1,098.40	
0.736	0.786	CASE RD	264.0	36	2	1,056.00	
0.786	0.788	CASE RD	10.6	35	2	41.22	WIDTH VARIES FROM 36' TO 34'
0.788	0.810	CASE RD	116.2	62.5	2	806.94	WIDTH VARIES FROM 80' TO 45'
0.810		CASE RD		VAR	2	885.00	
2.962	3.018	OB PKWY	295.7	55	2	1,807.06	
NICHOLS RD							
1.690	1.725	NICHOLS RD	184.8	24	2	492.80	
1.725	1.773	NICHOLS RD	253.4	36	2	1,013.60	WIDTH VARIES FROM 24' TO 48'
1.773	1.814	NICHOLS RD	216.5	36	2	866.00	
1.833	1.871	NICHOLS RD	200.6	36	2	802.40	
1.871	1.878	NICHOLS RD	37.0	52	2	213.78	WIDTH VARIES FROM 62' TO 42'
ROUTE Y							
0.110	0.135	RP 54W TO RT Y	132.0	28	2	410.67	
2.582	2.594	RT Y	63.4	38	2	267.69	
				SUBTOTAL (4)		17,628.55	
				SUBTOTAL (1)		76,267.57	
				SUBTOTAL (2)		138,648.73	
				SUBTOTAL (3)		125,369.53	
					TOTAL	357,914.38	
					USE	357,914	

MODIFIED COLDMILLING

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	AVG WIDTH FT	AVG DEPTH IN	MODIFIED MILL (DEPTH TRANS) SQYD	REMARKS
ROUTE 54							
154.476	154.485	RTE 54 WB	50.0	30	2.375	166.67	DEPTH FROM 2" TO 2 3/4"
155.072	155.081	RTE 54 WB	50.0	30	2.375	166.67	DEPTH FROM 2 3/4" TO 2"
164.055	164.079	RTE 54 WB	125.0	40	2.5	555.56	DEPTH FROM 2 3/4" TO 2 1/4"
111.942	111.951	RTE 54 EB	50.0	30	2.375	166.67	DEPTH FROM 2" TO 2 3/4"
112.460	112.469	RTE 54 EB	50.0	30	2.375	166.67	DEPTH FROM 2 3/4" TO 2"
112.518	112.527	RTE 54 EB	50.0	30	2.375	166.67	DEPTH FROM 2" TO 2 3/4"
113.141	113.150	RTE 54 EB	50.0	27	2.375	150.00	DEPTH FROM 2 3/4" TO 2"
113.224	113.233	RTE 54 EB	50.0	30	2.375	166.67	DEPTH FROM 2" TO 2 3/4"
115.752	115.761	RTE 54 EB	50.0	30	2.375	166.67	DEPTH FROM 2 3/4" TO 2"
115.981	115.990	RTE 54 EB	50.0	30	2.375	166.67	DEPTH FROM 2" TO 2 3/4"
ROUTE KK							
1.465	1.475	ROUTE KK	50.0	28	1.5	155.56	DEPTH FROM 1" TO 2"
1.555	1.564	ROUTE KK	50.0	24	1.5	133.33	DEPTH FROM 2" TO 1"
1.975	1.984	ROUTE KK	50.0	24	1.5	133.33	DEPTH FROM 1" TO 2"
OB PKWY (JEFFRIES RD)							
3.966	3.985		100.0	10	1	111.11	DEPTH FROM 2" TO 0"
3.985	4.021		190.0	10	1	211.11	DEPTH FROM 2" TO 0"
4.021	4.069		100.0	7	1	77.78	WIDTH VAR. 10' TO 4', DEPTH FROM 2" TO 0"
					TOTAL	2,861.1	
					USE	2,861	

36 IN. SURFACE-MOUNT DELINEATOR POST

LOG MILE FROM	LOG MILE TO	LOCATION	36 IN POST QUANTITY YELLOW (EACH)	REMARKS
RTE 54 WBL				
161.005	161.022	RTE 54	30	ON 4 IN. CONCRETE MEDIAN STRIP
		TOTAL	30	
		USE	30	SEE SPECIAL SHEETS FOR PLACEMENT

SUMMARY OF QUANTITIES
SHEET 23 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/29/2025 12:30:15 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO

DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SUMMARY OF QUANTITIES
SHEET 23 OF 27

BITUMINOUS RUMBLE STRIPS

LOG MILE FROM	LOG MILE TO	ROUTE	LENGTH FT	BIT CNTR RUMBLE STRIPS STA	BIT SHDR RUMBLE STRIPS STA	REMARK
RTE 54 WBL						
154.459	155.098	RTE 54 WB	3373.92		67.5	LT & RT
156.207	158.62	RTE 54 WB	12740.64		255.4	LT & RT (PLUS ADDITIONAL 30' AT L.M. 158.597)
158.663	159.896	RTE 54 WB	6510.24		130.2	LT & RT
163.063	163.826	RTE 54 WB	4028.64	40.3	80.6	CNTR, LT & RT
163.826	164.143	RTE 54 WB	1673.76		33.5	LT & RT
164.143	164.202	RTE 54 WB	311.52	3.1	6.2	CNTR, LT & RT
164.463	164.544	RTE 54 WB	427.68	4.3	8.6	CNTR, LT & RT
164.544	164.962	RTE 54 WB	2207.04		44.1	LT & RT
164.962	164.98	RTE 54 WB	95.04	1.0	1.9	CNTR, LT & RT
RTE 54 EBL						
111.925	112.486	RTE 54 EB	2962.08		59.2	LT & RT
112.499	113.171	RTE 54 EB	3548.16		71.0	LT & RT
113.202	115.781	RTE 54 EB	13617.12		272.3	LT & RT
115.781	115.981	RTE 54 EB	1056		10.6	LT
115.981	116.384	RTE 54 EB	2127.84		42.6	LT & RT
ROUTE KK						
0.000	1.475	ROUTE KK	7788	77.9	155.8	CNTR, LT & RT
1.475	1.555	ROUTE KK	422.4	4.2	4.2	CNTR & RT
1.555	1.835	ROUTE KK	1478.4	14.8	29.6	CNTR, LT & RT
154.459	164.98	RTE 54 WB			-178.7	MINUS ENTRANCES/XOVERS
111.925	116.384	RTE 54 EB			-135.1	MINUS ENTRANCES/XOVERS
0.000	1.975	ROUTE KK			-41.1	MINUS ENTRANCES
			TOTAL	145.6	918.4	
			USE	145.6	918.4	

DETECTORS

LOG MILE	LOCATION	DETECTOR 6' X 6' LOOPS QUANTITY (EACH)	DETECTOR 6' X 30' LOOPS QUANTITY (EACH)	DETECTOR RADAR SYSTEM QUANTITY (EACH)	REMARKS
RTE 54 WBL					
159.913	RTE 54	2			RTE 54 / CECIL ST INTERSECTION (2 THRU LANES) - ADVANCE LOOPS
160.049	RTE 54			1	RTE 54 / CECIL ST INTERSECTION
160.690	RTE 54			1	RTE 54 / JACK CROWELL RD / LAKER PRIDE RD INTERSECTION
161.580	RTE 54			1	RTE 54 / BUSINESS RTE 5 INTERSECTION
RTE 54 EBL (BASED ON WB LOG MILES)					
160.192	RTE 54	2			RTE 54 / CECIL ST INTERSECTION (2 THRU LANES) - ADVANCE LOOPS
OB PKWY					
3.150	OB PKWY		3		OB PKWY / PASSOVER RD INTERSECTION (2 THRU, 1 LEFT LANE)
3.163	OB PKWY		3		OB PKWY / PASSOVER RD INTERSECTION (2 THRU, 1 LEFT LANE)
NICHOLS RD.					
1.782	NICHOLS		1		NICHOLS RD / RAMP INTERSECTION (THRU LANE)
1.798	NICHOLS		1		NICHOLS RD / RAMP INTERSECTION (THRU LANE)
1.803	NICHOLS		1		NICHOLS RD / RAMP INTERSECTION (LEFT LANE)
1.852	NICHOLS		1		NICHOLS RD / RAMP INTERSECTION (LEFT LANE)
1.856	NICHOLS		1		NICHOLS RD / RAMP INTERSECTION (THRU LANE)
1.870	NICHOLS		1		NICHOLS RD / RAMP INTERSECTION (THRU LANE)
ROUTE KK					
2.760	ROUTE KK		2		ROUTE KK / RAMP INTERSECTION (2 THRU LANES)
2.766	ROUTE KK		2		ROUTE KK / RAMP INTERSECTION (2 THRU LANES)
2.774	ROUTE KK		2		ROUTE KK / RAMP INTERSECTION (2 LEFT LANES)
2.832	ROUTE KK		2		ROUTE KK / RAMP INTERSECTION (2 LEFT LANES)
2.839	ROUTE KK		1		ROUTE KK / RAMP INTERSECTION (1 THRU LANE)
2.847	ROUTE KK		3		ROUTE KK / RAMP INTERSECTION (3 THRU LANES)
3.018	ROUTE KK		3		ROUTE KK / OB PKWY INTERSECTION (2 THRU, 1 THRU / RIGHT LANE)
	TOTAL	4	27	3	SEE SPECIAL SHEETS FOR PLACEMENT
	USE	4	27	3	RTE 54 LOCATIONS BASED ON WESTBOUND LOG MILES

SUMMARY OF QUANTITIES
SHEET 24 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 12:30:07 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE 54/KK | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY CAMDEN
JOB NO. J5P3554
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)

SUMMARY OF QUANTITIES
SHEET 24 OF 27

GUARDRAIL

LOG MILE FROM	LOG MILE TO	LOCATION	MGS GUARDRAIL LF	MGS GUARDRAIL 8 FT POSTS 6 FT - 3IN SP. LF	MGS DOUBLE FACED GUARDRAIL LF	TYPE A GUARDRAIL LF	ASYMMETRICAL TRANSITION SECTION 6.5 FT POSTS EA	MGS BRIDGE APPROACH TRANS. SECT. REG/ NO CURB EA	MGS BRIDGE APPROACH TRANS. SECT. EXTENDED CURB EA	MGS HEIGHT & BLOCK TRANSITION	MGS END ANCHOR EA	TYPE A CRASHWORTHY END TERMINAL (MASH) EA	SHAPING SLOPES CLASS 3 100 FT	REMARKS
WBL														
145.250	145.460	RTE 54 WB RT	1062.5								1			UIP EXISTING CET
145.564	146.603	RTE 54 WB RT	112.5					1				1	0.75	
146.059	146.158	RTE 54 WB RT	487.5								1			UIP EXISTING CET
146.278	146.617	RTE 54 WB RT	1737.5								1			UIP EXISTING CET
150.322	150.641	RTE 54 WB RT	1687.5								1	1	0.75	
150.701	0.115	RTE 54 WB/CASE RAMP RT.	1087.5								1	1	0.75	
150.841	150.920	RTE 54 WB RT	337.5								1	1	0.75	
151.402	151.960	RTE 54 WB RT	1912.5								1	1	0.75	ADD 337.5' MGS RAIL BETWEEN 2 EXISTING GUARDRAIL RUNS
151.761	151.960	RTE 54 WB RT	1025								1	1	0.75	
152.099	1.725	RTE 54 WB/NICHOLS RAMP RT.	1000									2	1.5	
152.150	152.218	RTE 54 WB RT		275				1				1	0.75	
152.599	152.659	RTE 54 WB RT		312.5							1	1	0.75	
153.375	153.635	RTE 54 WB RT	1337.5								1	1	0.75	
153.735	154.076	RTE 54 WB RT	1775								1	1	0.75	
154.377	154.459	RTE 54 WB RT	450								1	1	0.75	
155.438	155.578	RTE 54 WB RT	675								1	1	0.75	
155.750	155.797	RTE 54 WB RT	187.5								1	1	0.75	ADD ADDITIONAL 137.5' OF MGS GUARDRAIL - UPSTREAM END
156.216	156.356	RTE 54 WB RT	662.5								1	1	0.75	
156.805	157.060	RTE 54 WB RT	1287.5								1	1	0.75	
157.319	157.358	RTE 54 WB RT	325							1	1			INCLUDE 45' RAIL & 25' TRANS ON CAPE WOOD
157.577	157.657	RTE 54 WB RT	450								1			UIP EXISTING CET
158.580	158.620	RTE 54 WB LT	150					1				1	0.75	
158.600	158.620	RTE 54 WB RT	50					1			1			WRAP AROUND PRIVATE ENTRANCE WITH END ANCHOR
158.649	158.686	RTE 54 WB RT	75			25	1			1	1			UIP EXIST BRIDGE TRANS
158.692	158.732	RTE 54 WB RT	275								2			
158.978	159.064	RTE 54 WB RT	425								1			UIP EXISTING CET
159.091	159.282	RTE 54 WB RT	1112.5					1		1				INCLUDE 75' RAIL & 25' TRANS ON LOCUST ST
159.239	159.282	RTE 54 WB LT	150					1				1	0.75	
159.499	159.538	RTE 54 WB RT	287.5								1			UIP EXISTING CET
159.558	159.638	RTE 54 WB RT	362.5								1			UIP EXISTING CET
160.090	160.177	RTE 54 WB RT	412.5								1	1		BEGIN GUARDRAIL 37.5' FROM CURRENT LOCATION, REPLACE DOWNSTREAM CET WITH END ANCHOR
162.983	163.062	RTE 54 WB RT	362.5									2	1.5	
163.324	163.385	RTE 54 WB RT	300								1	1	0.75	WRAP GUARDRAIL AROUND STUMP RD
163.405	163.787	RTE 54 WB RT	2012.5								1	1	0.75	WRAP GUARDRAIL AROUND STUMP RD
163.826	163.886	RTE 54 WB RT	375									2	1.5	EXISTING RAIL IN ASPHALT - SEE JSP FOR PLACEMENT OF NEW RAIL
163.906	163.986	RTE 54 WB RT	550									2	1.50	EXISTING RAIL IN ASPHALT - SEE JSP FOR PLACEMENT OF NEW RAIL
164.144	164.202	RTE 54 WB RT	287.5					1				1	0.75	
164.463	164.503	RTE 54 WB RT	175					1				1	0.75	
164.703	164.742	RTE 54 WB RT	225							1		1	0.75	INCLUDE 75' RAIL & 25' TRANS ON OLD 54 RD - SEE JSP FOR PLACEMENT - EX. RAIL IN ASPHALT
EBL														
107.311	107.359	RTE 54 EB RT	262.5					1				1	0.75	EXISTING RAIL IN ASPHALT - SEE JSP FOR PLACEMENT OF NEW RAIL
107.604	107.652	RTE 54 EB RT	212.5					1				1	0.75	EXISTING RAIL IN ASPHALT - WRAP GUARDRAIL AROUND W LAKE RD - SEE JSP FOR PLACEMENT
107.780	107.943	RTE 54 EB RT	837.5									2	1.50	WRAP GUARDRAIL AROUND ROUTE D - SEE JSP FOR PLACEMENT
108.024	108.328	RTE 54 EB RT	1612.5								1	1	0.75	WRAP GUARDRAIL AROUND HESCOCK DR
108.330	108.425	RTE 54 EB RT	475								1	1	0.75	WRAP GUARDRAIL AROUND HESCOCK DR
110.876	110.916	RTE 54 EB RT	62.5						1			1		SEE SPECIAL SHEETS FOR DETAILS
111.462	111.573	RTE 54 EB RT	525								1	1	0.75	BEGIN GUARDRAIL 12.5' AHEAD CURRENT LOCATION, REPLACE DOWNSTREAM CET WITH END ANCHOR
111.648	111.743	RTE 54 EB RT	537.5								2			BEGIN GUARDRAIL 25' AHEAD CURRENT LOCATION, REPLACE DOWNSTREAM CET WITH END ANCHOR
116.128	116.148	RTE 54 EB LT	50								1	1	0.75	REPLACES MEDIAN BARRIER (EB ONLY)
116.960	117.096	RTE 54 EB RT	637.5								1	1	0.75	
117.802	117.976	RTE 54 EB RT	975.0								1	1	0.75	
118.142	118.441	RTE 54 EB RT	1425								1	1	0.75	
119.187	119.251	RTE 54 EB RT		250							1	1	0.75	
119.539	119.587	RTE 54 EB RT		275				1				1	0.75	
119.845	120.007	RTE 54 EB RT	800								1	1	0.75	
120.088	120.232	RTE 54 EB RT	587.5								1	1	0.75	
120.265	120.346	RTE 54 EB RT	387.5								1	1	0.75	
120.856	120.926	RTE 54 EB RT	462.5								1	1	0.75	
121.216	121.489	RTE 54 EB RT	1425								1	1	0.75	
121.538	3.910	RTE 54 EB TO OB PKWY	700									2	1.5	
121.633	121.742	RTE 54 EB RT	487.5		25							1	0.75	
121.781	121.812	RTE 54 EB RT	87.5						1			1	0.75	
125.087	125.533	RTE 54 EB RT	2312.5								1	1	0.75	
125.615	125.761	RTE 54 EB RT	737.5								1	1	0.75	
126.348	126.542	RTE 54 EB RT	1012.5								1			UIP EXISTING CET
		SUBTOTAL 1	41800.0	1112.5	25.0	25.0	1	11	2	4	46	56	40.5	

NOTE: NEW GUARDRAIL TO BE PLACED AT EXISTING GUARDRAIL LOCATION UNLESS NOTED OTHERWISE. SEE SPECIAL SHEET 1 FOR ADDITIONAL ADJUSTMENT NOTES.

SUMMARY OF QUANTITIES
SHEET 25 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/29/2025 12:30:00 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE 54/KK | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY CAMDEN
JOB NO. J5P3554
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)

SUMMARY OF QUANTITIES
SHEET 25 OF 27

GUARDRAIL (CONTINUED)

LOG MILE FROM	LOG MILE TO	LOCATION	MGS GUARDRAIL LF	MGS GUARDRAIL 8 FT POSTS 6 FT - 3IN SP. LF	MGS DOUBLE FACED GUARDRAIL LF	TYPE A GUARDRAIL LF	ASYMMETRICAL TRANSITION SECTION 6.5 FT POSTS EA	MGS BRIDGE APPROACH TRANS. SECT. REG/ NO CURB EA	MGS BRIDGE APPROACH TRANS. SECT. EXTENDED CURB EA	MGS HEIGHT & BLOCK TRANSITION	MGS END ANCHOR EA	TYPE A CRASHWORTHY END TERMINAL (MASH) EA	SHAPING SLOPES CLASS 3 100 FT	REMARKS
RAMPS														
0.081	0.165	242 WB TO 54 WB LT	462.5								1	1	0.75	ADD 50' ADDITIONAL MGS RAIL (CET IS TANGENT TO RAMP EOP)
0.257	0.404	242 WB RT	750.0						1		1			
0.440	0.477	242 WB LT	87.5					1				1	0.75	
0.440	0.528	242 WB RT	300					1				1	0.75	
2.060	126.203	242 EB TO 54 EB RT	1575					1	1					
0.255		242 WB RT	75								2			
0.026	0.253	54 EB TO 242 WB RT	1112.5								1	1	0.75	
0.026	0.147	54 WB TO JEFFRIES RD LT	612.5								1	1	0.75	
0.702	0.739	JEFFRIES RD SB RT	87.5					1				1	0.75	
0.711	0.739	JEFFRIES RD SB LT	50					1				1	0.75	
0.775	0.789	JEFFRIES RD SB RT	25						1		1			
0.775	0.817	JEFFRIES RD SB LT	112.5						1			1	0.75	
3.969	4.030	OB PKWY NB LT	350									1	0.75	DOUBLE FACED RAIL INCLUDED ON 54 EB
0.153	0.535	54 WB TO CASE RD NB RT	750							1		1	0.75	
0.532	0.263	CASE RD SB TO 54 WB RT	1975							1	1			
0.046	0.700	54 WB TO CASE RD SB LT	912.5						1			1	0.75	
0.017	0.700	CASE RD TO 54 WB LT	200						1		1			
0.737	0.751	CASE RD SB RT	25					1			1			
0.737	0.187	CASE RD SB TO 54 EB LT	1050					1			1			
0.807	0.263	CASE RD TO 54 EB RT	1412.5								1	1	0.75	
1.725	152.439	NICHOLS RD TO 54 WB RT	1275								1	1	0.75	
1.798	1.814	NICHOLS RD SB LT							1			1	0.75	
1.814	0.015	NICHOLS RD TO 54 WB LT	137.5						1		1			
1.831	1.852	NICHOLS RD SB RT						1				1	0.75	
1.831	1.855	NICHOLS RD SB LT						1				1	0.75	
0.113	1.885	54 EB TO NICHOLS RD SB RT	650									2	1.5	
0.057	2.480	54 WB TO ROUTE Y RT	1550									2	1.5	
0.078	2.594	54 WB TO ROUTE Y LT	1312.5						1			1	0.75	
2.484	155.992	ROUTE Y TO 54 WB RT	1912.5								1	1	0.75	
2.594	0.141	ROUTE Y TO 54 WB LT	850.0						1		1			
2.633	2.655	ROUTE Y EB LT	50						1			1	0.75	
2.633	2.655	ROUTE Y EB RT	50						1			1	0.75	
0.138	0.253	ROUTE Y TO 54 EB LT	550								1	1	0.75	
0.138	116.464	ROUTE Y TO 54 EB RT	912.5								1	1	0.75	
ROUTE KK														
2.477	2.573	ROUTE KK EB RT	462.5									1	0.75	UIP EXIST END ANCHOR
2.499	2.570	ROUTE KK EB LT	375.0											UIP EXIST CET X 2
		SUBTOTAL 2	22012.5	0.0	0.0	0.0	0	9	12	2	18	27	20.3	
		SUBTOTAL 1	41800.0	1112.5	25.0	25.0	1	11	2	4	46	56	40.5	
		TOTAL	63812.5	1112.5	25.0	25.0	1	20	14	6	64	83	60.8	
		USE	63813	1112.5	25.0	25.0	1	20	14	6	64	83	61	

NOTE: NEW GUARDRAIL TO BE PLACED AT EXISTING GUARDRAIL LOCATION UNLESS NOTED OTHERWISE. SEE SPECIAL SHEET 1 FOR ADDITIONAL ADJUSTMENT NOTES.

OPTIONAL ASPHALT REMOVAL (GUARDRAIL LOCATIONS)

LOG MILE FROM	LOG MILE TO	LOCATION	LENGTH FT	OPTIONAL ASPHALT REMOVAL (GUARDRAIL LOCATIONS) FT	REMARKS
163.826	163.886	RTE 54 WB RT	470.0	470.00	INCLUDES 2 CET'S
163.906	163.986	RTE 54 WB RT	650.0	650.00	INCLUDES 2 CET'S
164.703	164.742	RTE 54 WB RT	375.0	375.00	INCLUDES 1 CET AND 1 HEIGHT & BLOCK TRANSITION
107.311	107.359	RTE 54 EB RT	308.0	308.00	INCLUDES 1 CET & 1 BRIDGE TRANSITION
107.604	107.652	RTE 54 EB RT	265.0	265.00	INCLUDES 1 CET & 1 BRIDGE TRANSITION
107.780	107.943	RTE 54 EB RT	940.0	940.00	INCLUDES 2 CET'S
		TOTAL		3,008	
		USE		3,008	SEE JSP FOR DETAILS

SUMMARY OF QUANTITIES
SHEET 26 OF 27

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:29:50 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SUMMARY OF QUANTITIES
SHEET 26 OF 27

WARNING SIGNS

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	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	1	16.00			15L	REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00	1	16.00			15R	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	2	32.00			40	YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00	8	128.00			11	BE PREPARED TO STOP
WO3-5	48X48	16.00	4	64.00			3	SPEED LIMIT AHEAD
WO4-1L	48X48	16.00	2	32.00			6A	MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00	2	32.00			6A	MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00	2	32.00			43	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	6	96.00			36	UNEVEN LANES
WO8-12	48X48	16.00	4	64.00			35	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)
W10-1	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	2	12.50			44	ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	25	400.00			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	23	368.00			7	ONE LANE ROAD AHEAD
WO20-5	48X48	16.00	5	80.00			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00	6	96.00			6	RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	21	336.00			8	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				WET PAINT (ARROW PIVOTS)

GUIDE SIGNS

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
E05-1	36X48	12.00	2	24.00			49	GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	5	50.00			1	ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	5	40.00			26	END ROAD WORK
GO20-4	36X18	4.50	2	9.00			53	PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50	15	22.50			58	PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	12	72.00			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

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93	2	13.86			13	YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	20	240.00			4/25	SPEED LIMIT XX **
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	2	24.00			42	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 AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)

MISCELLANEOUS SIGNS

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
CONST-5	48X36	12.00	4	48.00			61	POINT OF PRESENCE
CONST-5	96X48	32.00	2	64.00			61	POINT OF PRESENCE
CONST-8	48X36	12.00	8	96.00			33	WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL
	2517

616-10.10 RELOCATED SIGNS	TOTAL
	0

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123001		TRUCK MOUNTED ATTENUATOR (TMA)
6161008		ADVANCED WARNING RAIL SYSTEM
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	425	CHANNELIZER (TRIM LINE)
6161030		TYPE III MOVEABLE BARRICADE
6161033	28	DIRECTION INDICATOR BARRICADE
6161040	3	FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161055	28	SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED
6161099	6	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

* - STATE ROUTES

** - 65(2), 60(2), 55(6), 50(4), 45(4), 40(2)

SUMMARY OF QUANTITIES
SHEET 27 OF 27

EFFECTIVE: 07-01-2024

DESCRIPTION

DATE

DESCRIPTION

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
09/10/2025 12:40:54 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO

DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

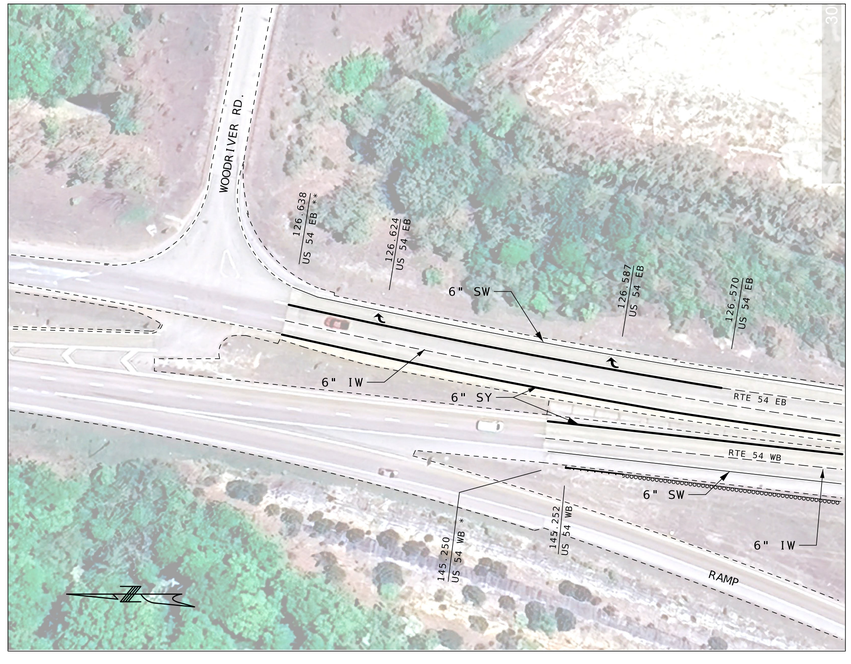
SUMMARY OF QUANTITIES
SHEET 27 OF 27

LEGEND

DW	DOTTED WHITE		MILL LINE
IW	INTERMITTENT WHITE		CENTERLINE
IY	INTERMITTENT YELLOW		EXTENSION LINE
DY	DOTTED YELLOW		EXISTING GUARD CABLE
SW	SOLID WHITE		EXISTING DROP INLET
SY	SOLID YELLOW		EXIST 6x30 LOOP DETECTOR
DSY	DOUBLE SOLID YELLOW		EXIST 6x6 LOOP DETECTOR (ADVANCE LOOP)
YB	YIELD BAR		EXISTING MANHOLES
YHB	HASH BAR - YELLOW		
WHB	HASH BAR - WHITE		
YCH	CHEVRON - YELLOW		
WCH	CHEVRON - WHITE		
WMB	WHITE MIDBLOCK CROSSWALK		

* = BEGIN PAVEMENT MARKING, CONCRETE PAVEMENT REPAIR & SHOULDER SEALING

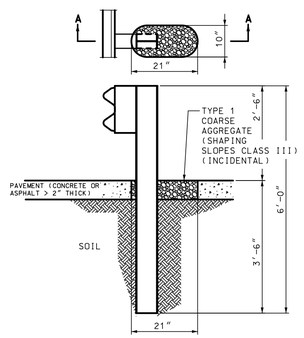
** = END PAVEMENT MARKING, CONCRETE PAVEMENT REPAIR & SHOULDER SEALING



BEGIN PROJECT
LOG MILE 145.250 RTE 54 WB
LOG MILE 126.638 RTE 54 EB

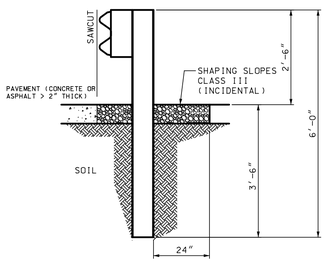
NOT TO SCALE

OPTIONAL ASPHALT REMOVAL DETAILS
(GUARDRAIL LOCATIONS)



SECTION A-A

DETAIL
EXISTING GUARDRAIL SET IN ASPHALT
OPTION 1
SETTING POST THROUGH PAVEMENT
(CONCRETE OR ASPHALT > 2" THICK)
SEE JSP



DETAIL
EXISTING GUARDRAIL IN ASPHALT
OPTION 2
SAWCUT AND REMOVE
EXISTING ASPHALT
SEE JSP

LOG MILES ARE APPROXIMATE.

PLACE PAVEMENT MARKING SAME AS EXISTING, UNLESS OTHERWISE NOTED.
ARROWS AND HASH BARS ARE NOT TO BE REPLACED, UNLESS OTHERWISE NOTED.

REPLACE EXISTING 6" SOLID WHITE CROSSWALK LINES WITH 24" WHITE MIDBLOCK CROSSWALK (CONTINTAL) WHERE INDICATED ON PLAN SHEETS. SEE STD PLANS 620.00 FOR DETAILS.

PAVED SIDEROADS/ENTRANCES TO BE COLDMILLED AND PAVED WITH MAINLINE TREATMENT TO 10' BEYOND EDGE OF SHOULDER (INCLUDE SHOULDER IN FRONT OF SIDEROAD/ENTRANCE) UNLESS OTHERWISE NOTED ON SPECIAL SHEET.SEE TYPICAL SECTION SHEET FOR DETAIL. FEILD ENTRANCES ARE EXEMPT.

LOCATIONS OF CHANGE IN PAVEMENT MARKING:

WB 54 LOG MILE 154.713 TO LOG MILE 154.727 - NEW XOVER 6" DOTTED LINE
WB 54 LOG MILE 159.064 TO LOG MILE 159.095 - NEW XOVER 6" DOTTED LINE
WB 54 LOG MILE 160.000 TO LOG MILE 160.049 - LEFT TURN LANE TO REFLECT NO LEFT TURN
WB 54 LOG MILE 160.053 (CECIL ST TO 54 WB TURN LANE)- REPLACE YIELD BAR WITH STOP BAR

EB 54 LOG MILE 112.741 TO LOG MILE 112.783 - NEW XOVER 6" DOTTED LINE
EB 54 LOG MILE 114.067 TO LOG MILE 114.078 - NEW XOVER 6" DOTTED LINE
EB 54 LOG MILE 117.621 TO LOG MILE 117.663 - NEW CHEVRONS
EB 54 LOG MILE 117.687 TO LOG MILE 117.696 - NEW XOVER 6" DOTTED LINES (LT & RT)

ROUTE KK LOG MILE 2.585 - ROUNDABOUT PAVEMENT MARKING UPDATED TO STANDARD

SOME LOCATIONS AT RAMP GORES CURRENTLY HAVE 6" STRIPE, REPLACE WITH 12" STRIPE. PER STANDARD.

LOCATIONS OF CHANGE IN GUARDRAIL LENGTHS :

WB 54 LOG MILE 151.402 TO LOG MILE 151.960
REMOVE 2 CET'S, 2 END ANCHORS AND APPROXIMATELY 2527' OF GUARDRAIL.
EXTEND GUARDRAIL FROM LOG MILE 151.702 TO BEGINNING OF NEXT GUARDRAIL RUN.
REPLACE WITH 1 NEW MASH CET, 1 END ANCHOR AND 2887.5' OF GUARDRAIL.

WB 54 LOG MILE 155.663 TO LOG MILE 155.703 (MEDIAN)
REMOVE 2 CET's, 2 END ANCHORS AND APPROXIMATELY 300' OF GUARDRAIL.
REPLACE WITH 1 NEW MASH CET, 1 END ANCHOR AND 37.5' OF GUARDRAIL TO EB SHOULDER
FROM LOG MILE 116.128 TO LOG MILE 116.148.

WB 54 LOG MILE 155.777 TO LOG MILE 155.797
REMOVE 1 CET, 1 END ANCHOR AND APPROXIMATELY 75' OF GUARDRAIL.
EXTEND GUARDRAIL 137.5' TO APPROXIMATELY LOG MILE 155.752.
REPLACE WITH 1 NEW MASH CET, 1 END ANCHOR AND 212.5' OF GUARDRAIL.

WB 54 LOG MILE 163.826 TO LOG MILE 163.886
EXISTING GUARDRAIL IN ASPHALT. SEE JSP FOR NEW GUARDRAIL PLACEMENT

WB 54 LOG MILE 163.906 TO LOG MILE 163.986
EXISTING GUARDRAIL IN ASPHALT. SEE JSP FOR NEW GUARDRAIL PLACEMENT

EB 54 LOG MILE 107.311 TO LOG MILE 107.359
EXISTING GUARDRAIL IN ASPHALT. SEE JSP FOR NEW GUARDRAIL PLACEMENT

EB 54 LOG MILE 107.604 TO LOG MILE 107.652
EXISTING GUARDRAIL IN ASPHALT. SEE JSP FOR NEW GUARDRAIL PLACEMENT

242 TO 54W LOG MILE 0.081 TO LOG MILE 0.165
ADD ADDITIONAL 50' MGS GUARDRAIL SO CET IS TANGENT TO EOP.

LOCATIONS OF CHANGE IN GUARDRAIL LENGTHS BEHIND CURBS:

WB 54 LOG MILE 160.084 TO LOG MILE 160.177
REMOVE 2 CET'S AND APPROXIMATLEY 412.5' OF GUARDRAIL.
REPLACE WITH 1 NEW MASH CET AT LOG MILE 160.090 (37.5' FROM CURRENT END OF CET)
REPLACE CET AT LOG MILE 160.177 WITH END ANCHOR AND 412.5' OF GUARDRAIL.
PLACE FACE OF GUARDRAIL AT CURB FACE PER STD. 606.50

EB 54 LOG MILE 110.876 TO LOG MILE 110.916
REMOVE BRIDGE TRANSITION, 1 CET AND APPROXIMATELY 62.5' OF GUARDRAIL.
REPLACE WITH 1 NEW BRIDGE APPROACH TRANSITION SECTION,75' OF MGS GAURDRAIL AND 1 NEW MASH CET.
PLACE FACE OF GUARDRAIL AT CURB FACE PER STD. 606.50

EB 54 LOG MILE 111.465 TO LOG MILE 111.573
REMOVE 2 CET'S AND APPROXIMATLEY 475' OF GUARDRAIL.
REPLACE WITH 1 NEW MASH CET AT LOG MILE 111.462 (12.5' AHEAD CURRENT END OF CET-
ADD 1 SECTION OF GUARDRAIL IN ORDER TO HAVE ROOM FOR CURB CUT IN FRONT OF EXISTING CURB INLET)
REPLACE CET AT LOG MILE 111.573 WITH END ANCHOR AND 525' OF GUARDRAIL.
PLACE FACE OF GUARDRAIL AT CURB FACE PER STD. 606.50

EB 54 LOG MILE 111.653 TO LOG MILE 111.743
REMOVE 2 CET'S AND APPROXIMATLEY 425' OF GUARDRAIL.
REPLACE WITH 1 NEW END ANCHOR AT LOG MILE 111.648 (25' AHEAD CURRENT END OF CET-
ADD 2 SECTIONS OF GUARDRAILIN ORDER TO WRAP AROUND ENTRANCE)
REPLACE CET AT LOG MILE 111.743 WITH END ANCHOR AND 537.5' OF GUARDRAIL.
PLACE FACE OF GUARDRAIL AT CURB FACE PER STD. 606.50

SAW HORIZONTALLY CURB TO 2" IN HEIGHT ABOVE THE GUTTER LINE. INCLUDE 2-3' SECTIONS THAT TRANSITIONS FROM CUT CURB HEIGHT TO THE ADJACENT NORMAL HEIGHT CURB.

GRADE GROUND BEHIND CURB TO HEIGHT OF CUT CURB. PAY ITEM - LINEAR GRADING, CLASS 1.

ALTERNATE GRADING LIMITS FOR CRASHWORTHY END TREATMENTS IN CURB CUT AREAS AS PER STANDARD PLAN 606.81 FOR THE ABOVE LOG MILE LOCATIONS.

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 12:36:54 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	4

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

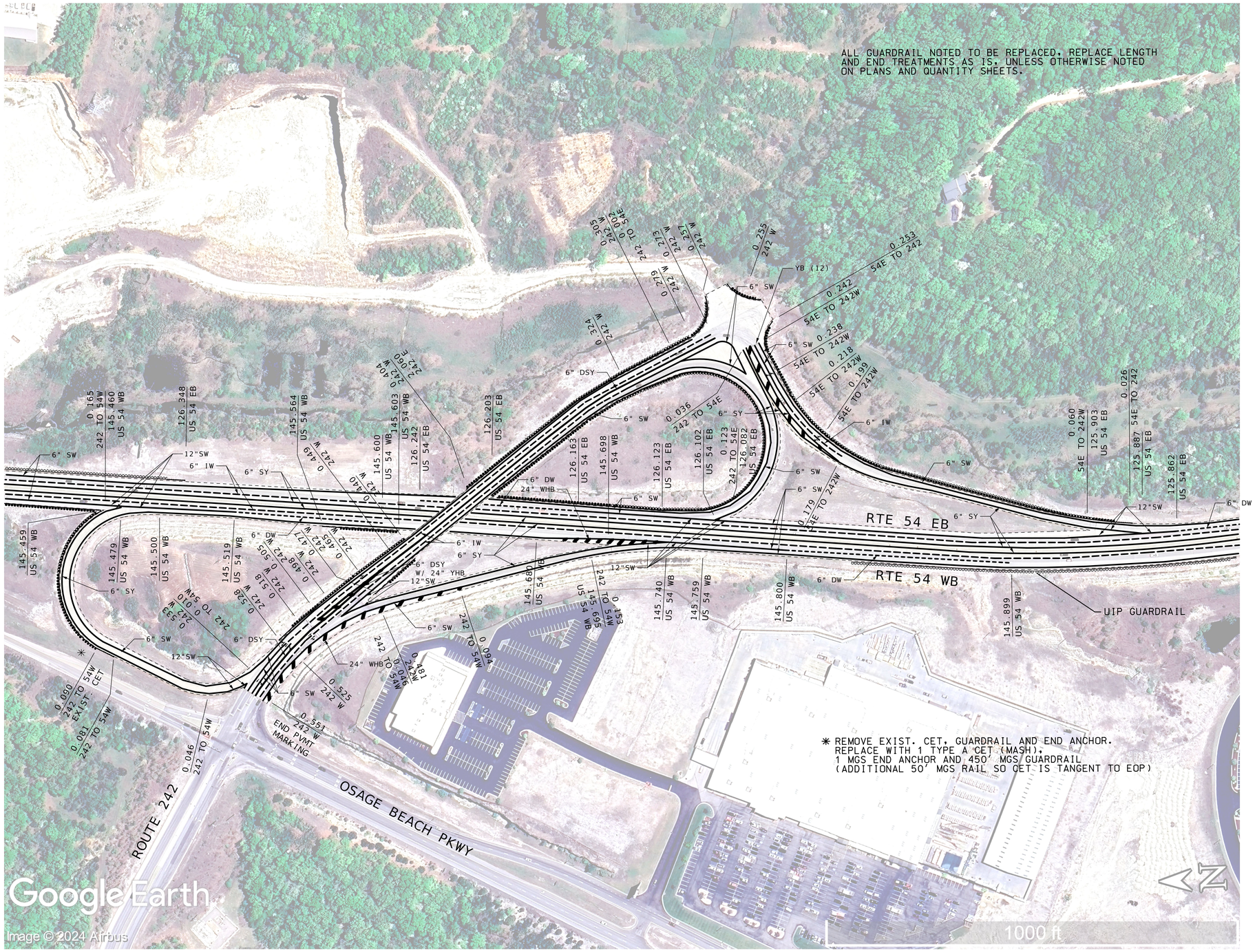
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 1 OF 21



NOT TO SCALE

ROUTE 242 INTERCHANGE
LOG MILE 145.619 RTE 54 WB
LOG MILE 126.214 RTE 54 EB

SPECIAL SHEET
SHEET 2 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:37:03 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	5

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

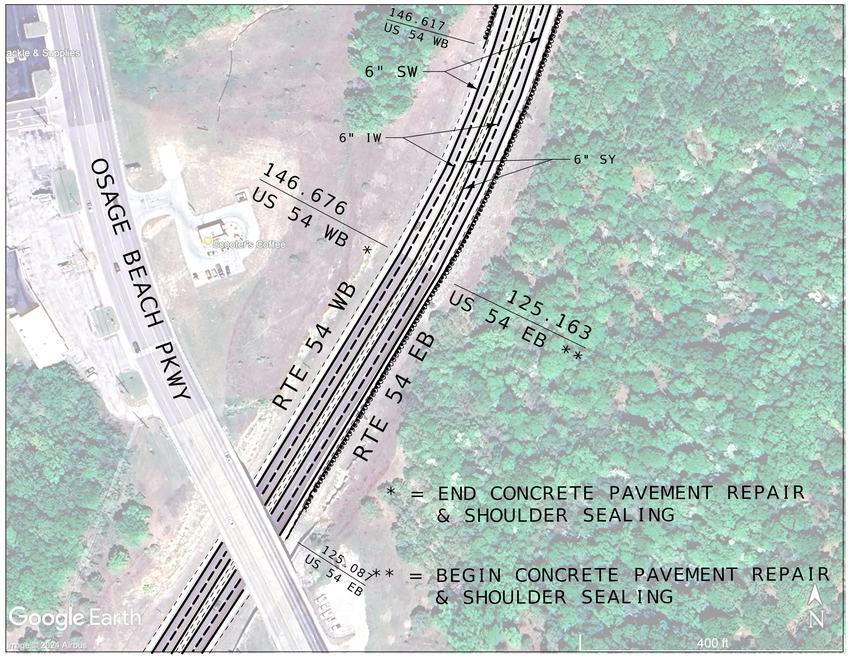
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DATE	DESCRIPTION

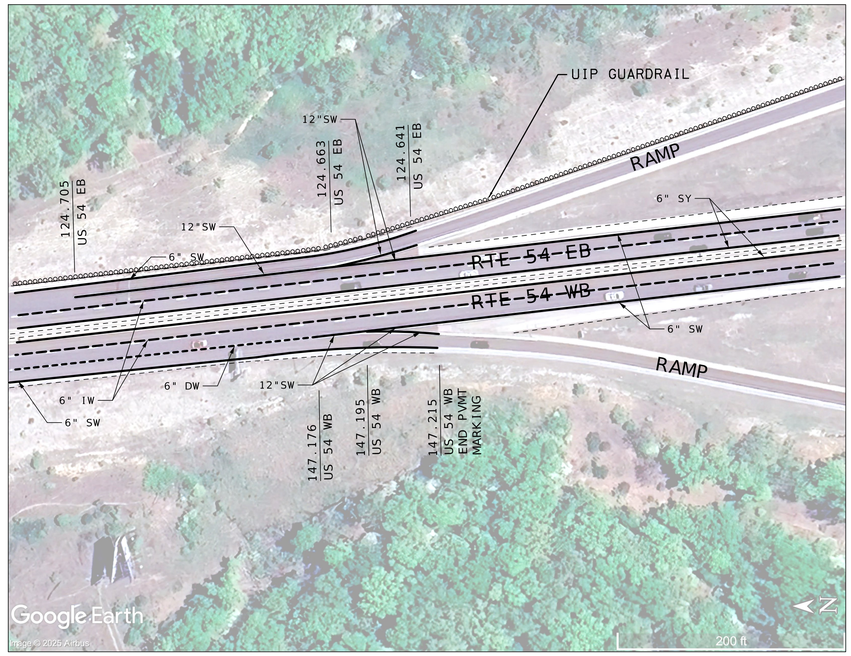
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
SHEET 2 OF 21

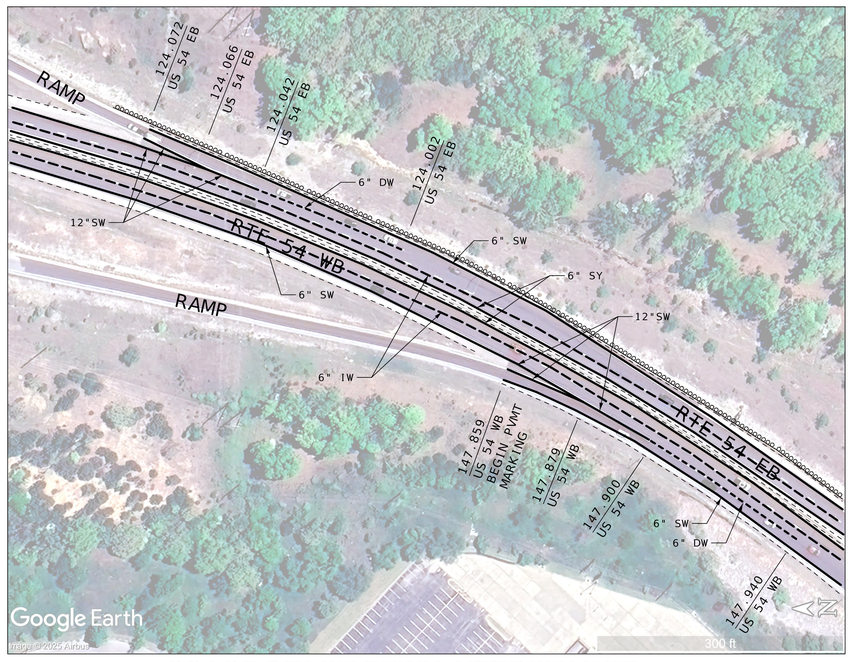


PAVEMENT EXCEPTION - PROJECT J5P3499
LOG MILE 146.676 RTE 54 WB
LOG MILE 125.163 RTE 54 EB

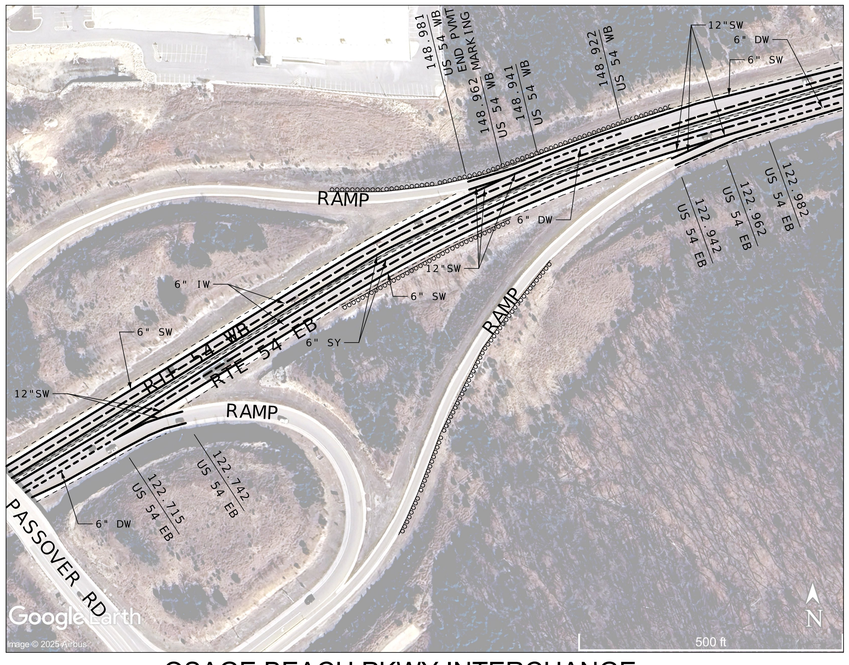


OSAGE BEACH PKWY INTERCHANGE
LOG MILE 147.177 RTE 54 WB
LOG MILE 124.665 RTE 54 EB

ALL GUARDRAIL NOTED TO BE REPLACED, REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.



OSAGE BEACH PKWY INTERCHANGE
LOG MILE 147.841 RTE 54 WB
LOG MILE 123.995 RTE 54 EB



OSAGE BEACH PKWY INTERCHANGE
LOG MILE 149.006 RTE 54 WB
LOG MILE 122.825 RTE 54 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 3 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:37:14 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	6

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

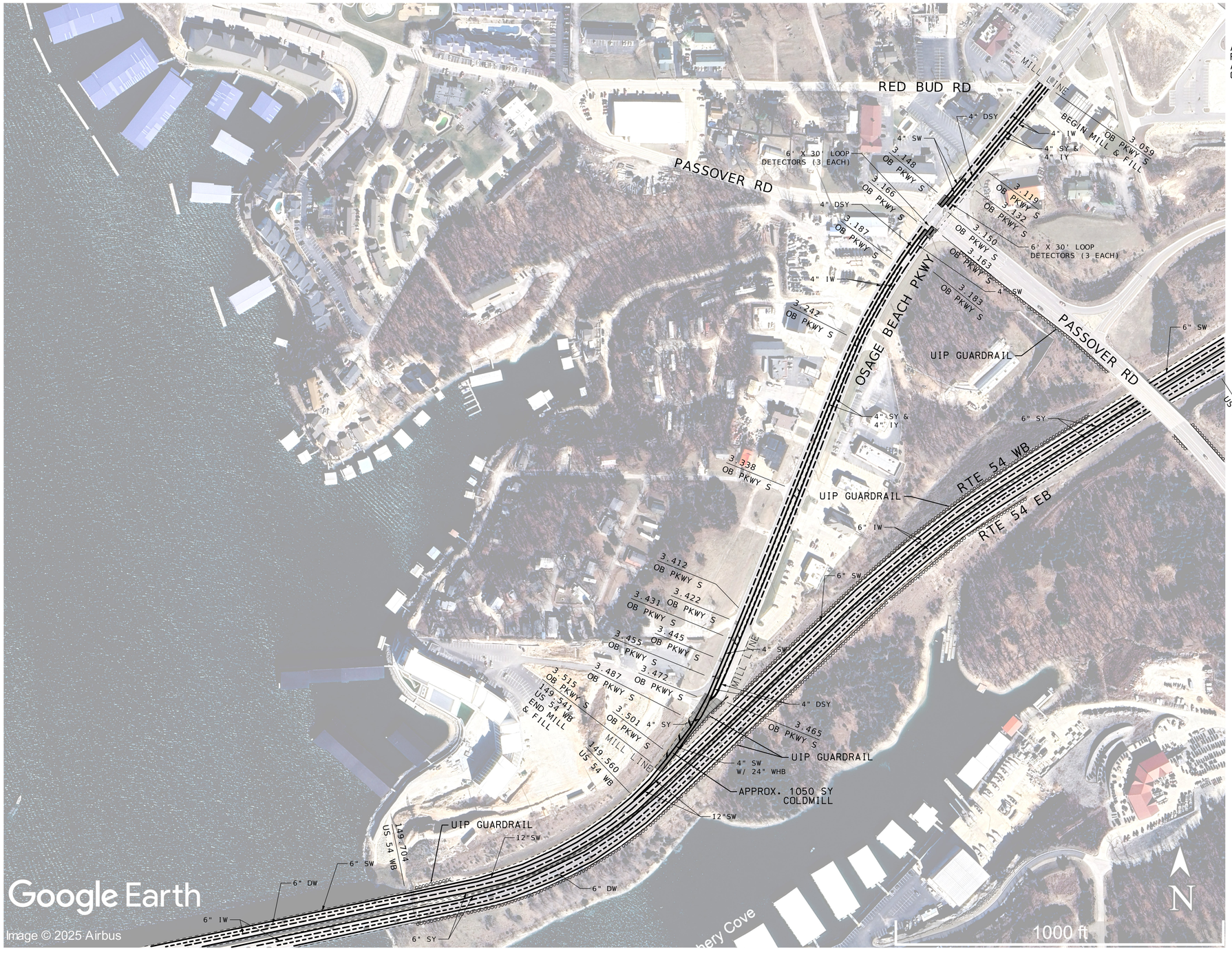
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 3 OF 21



ALL GUARDRAIL NOTED TO BE REPLACED, REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.

OSAGE BEACH PKWY RAMP
LOG MILE 149.536 RTE 54 WB
LOG MILE 122.297 RTE 54 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 4 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:37:23 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	7

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

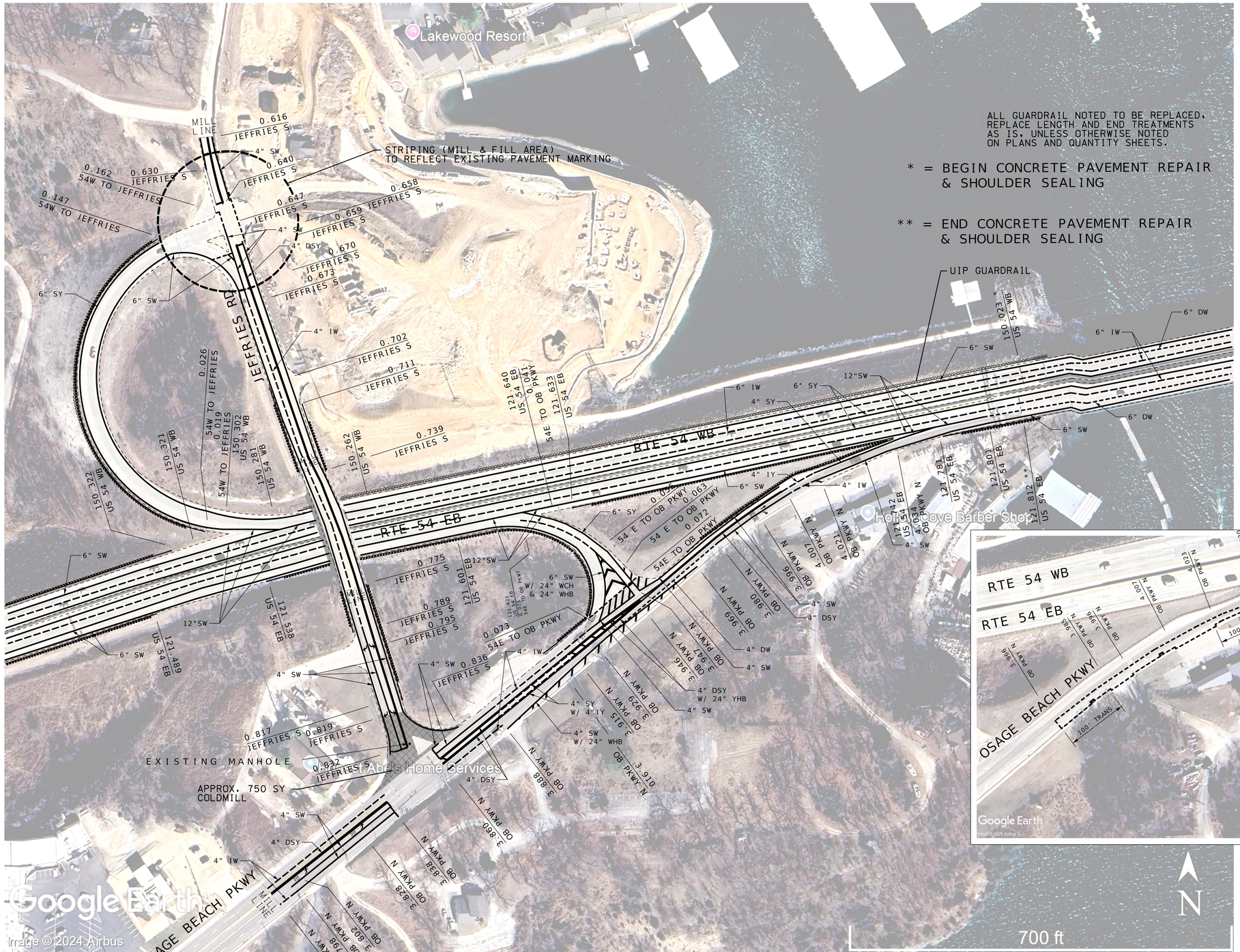
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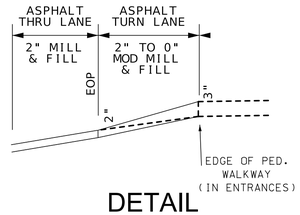
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
SHEET 4 OF 21



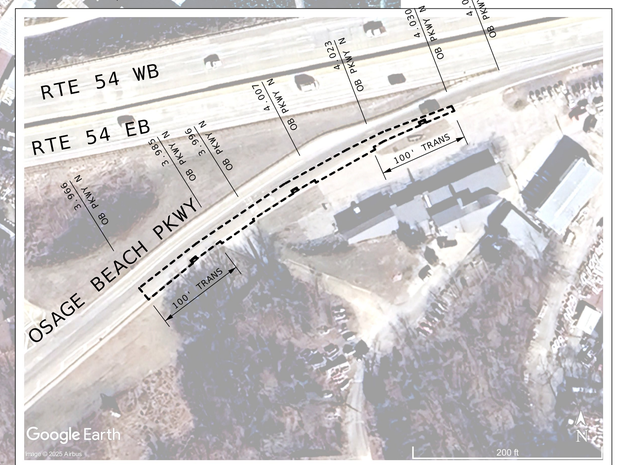


DETAIL

MODIFIED MILL & WEDGE

LM 3.966 TO LM 4.039 OB PKWY NB

NOT TO SCALE



JEFFRIES RD. INTERCHANGE
LOG MILE 150.257 RTE 54 WB
LOG MILE 121.573 RTE 54 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 5 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:37:33 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	8

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

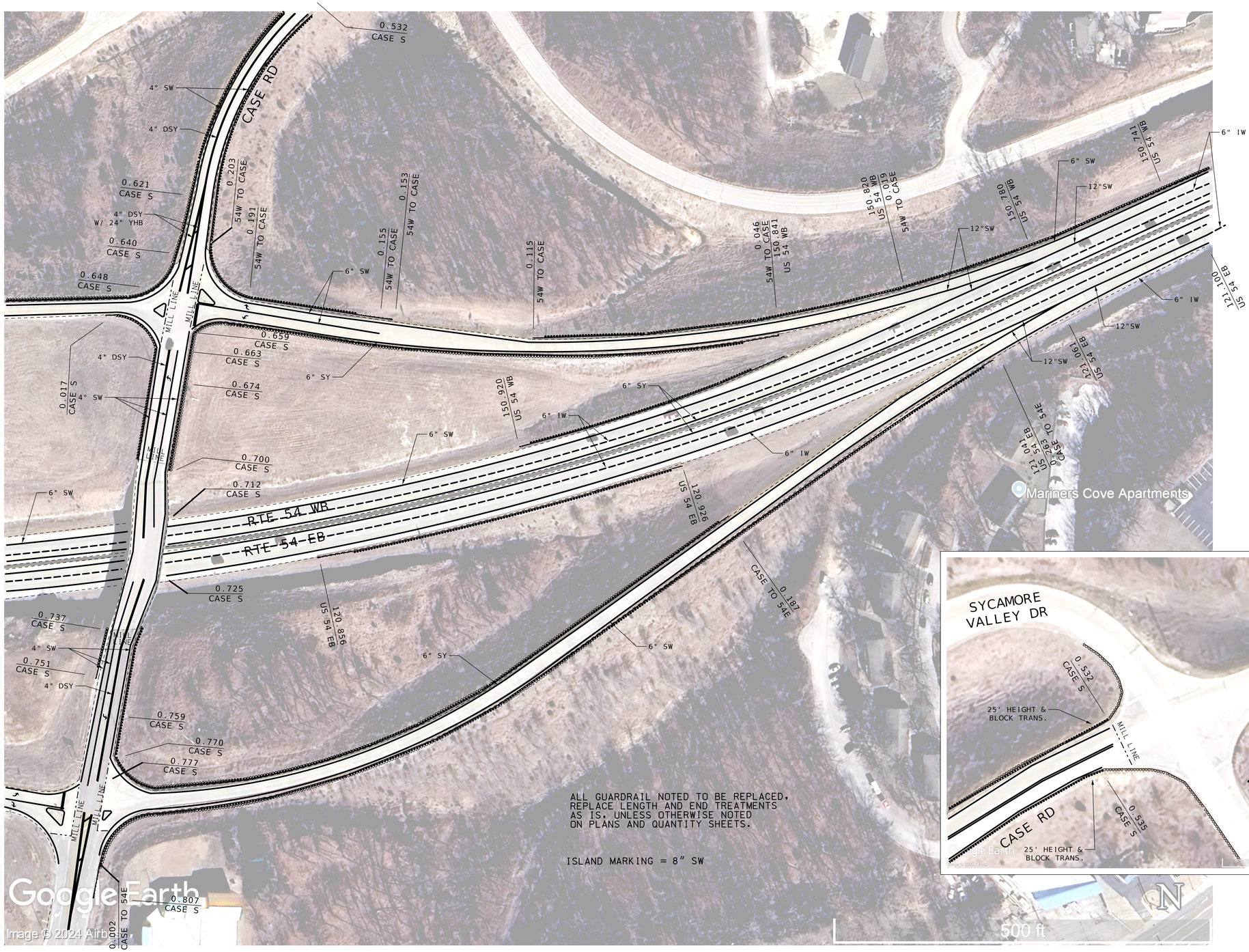
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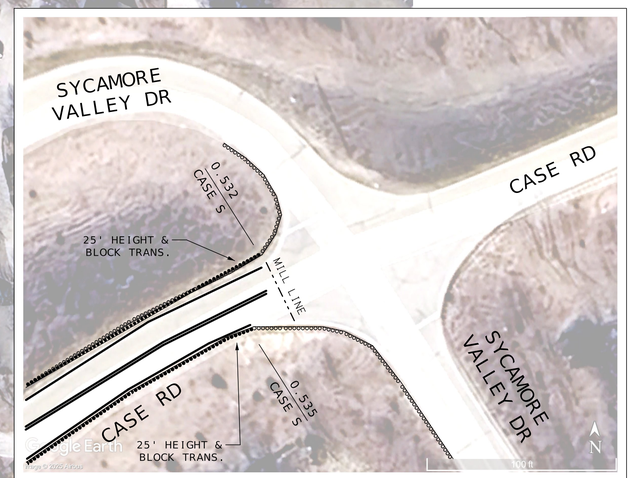
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 5 OF 21





CASE RD. INTERCHANGE
LOG MILE 151.017 RTE 54 WB
LOG MILE 120.808 RTE 54 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 6 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/29/2025 12:37:40 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	9

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

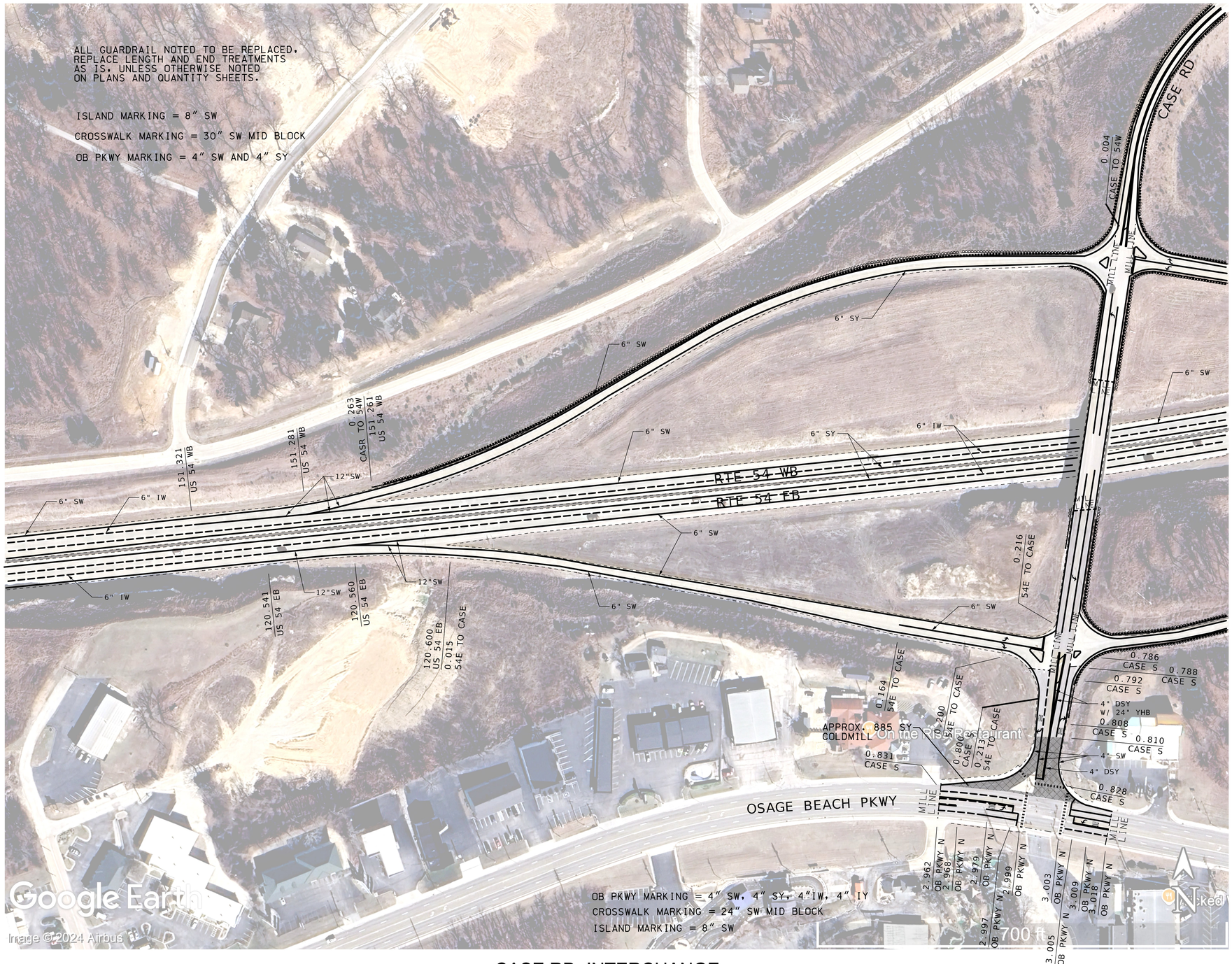
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 6 OF 21



CASE RD. INTERCHANGE
LOG MILE 151.017 RTE 54 WB
LOG MILE 120.808 RTE 54 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 7 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/29/2025 12:37:51 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	10

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

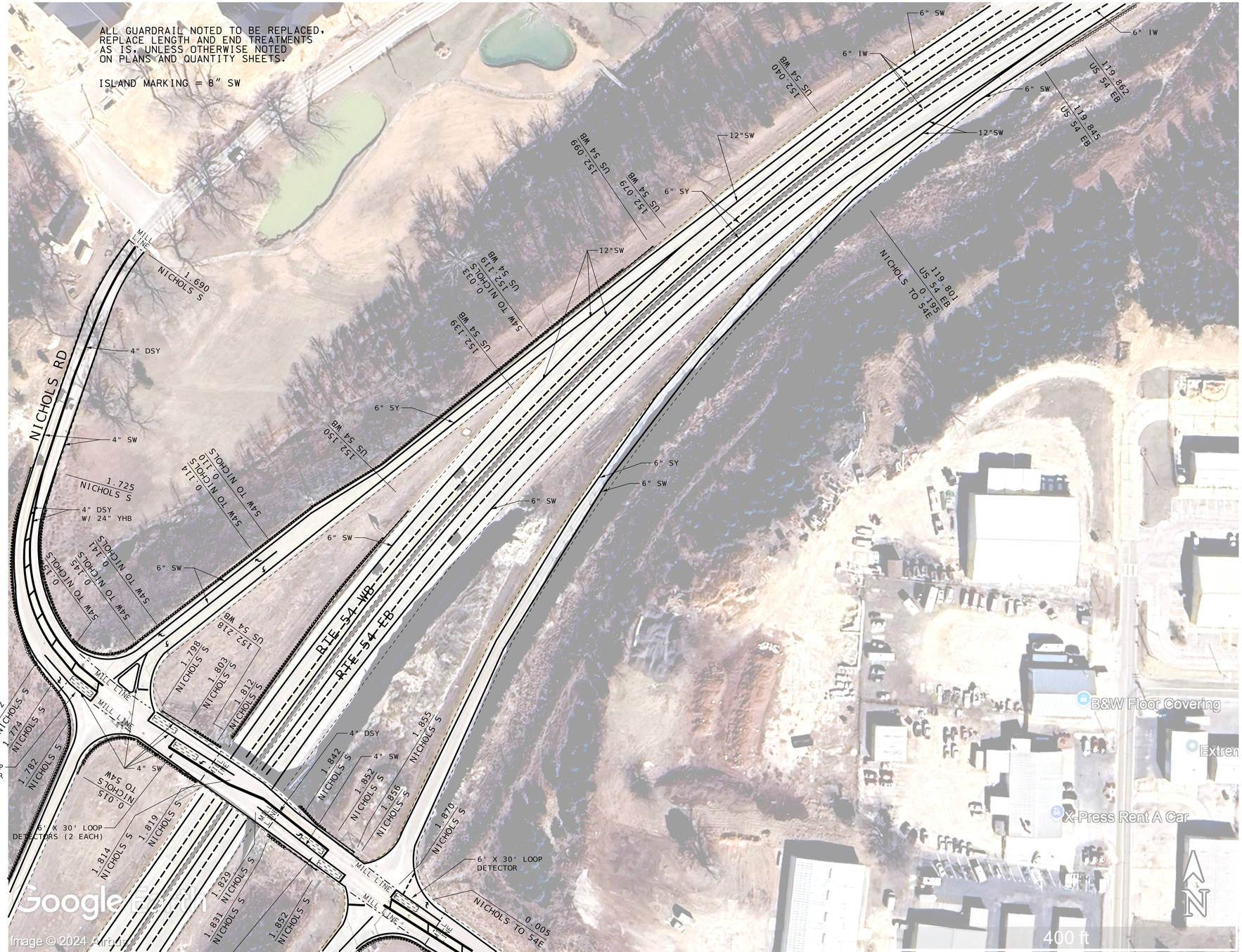
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 7 OF 21

ALL GUARDRAIL NOTED TO BE REPLACED, REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.

ISLAND MARKING = 8" SW



NICHOLS RD. INTERCHANGE
LOG MILE 152.224 RTE 54 WB
LOG MILE 119.609 RTE 54 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 8 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:37:59 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	11

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

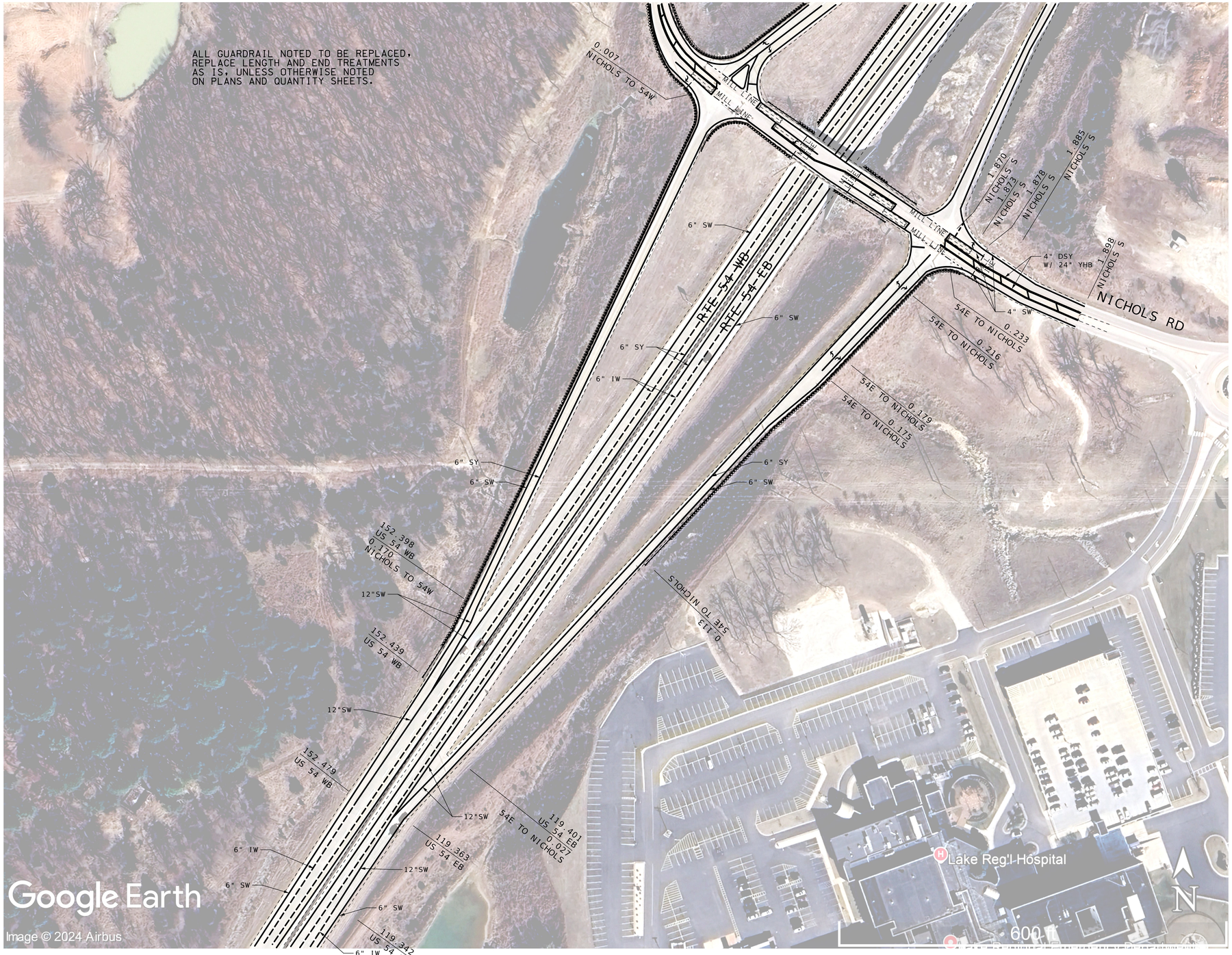
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
SHEET 8 OF 21



NOT TO SCALE

NICHOLS RD. INTERCHANGE
LOG MILE 152.224 RTE 54 WB
LOG MILE 119.609 RTE 54 EB

SPECIAL SHEET
SHEET 9 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 12:38:09 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	12

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

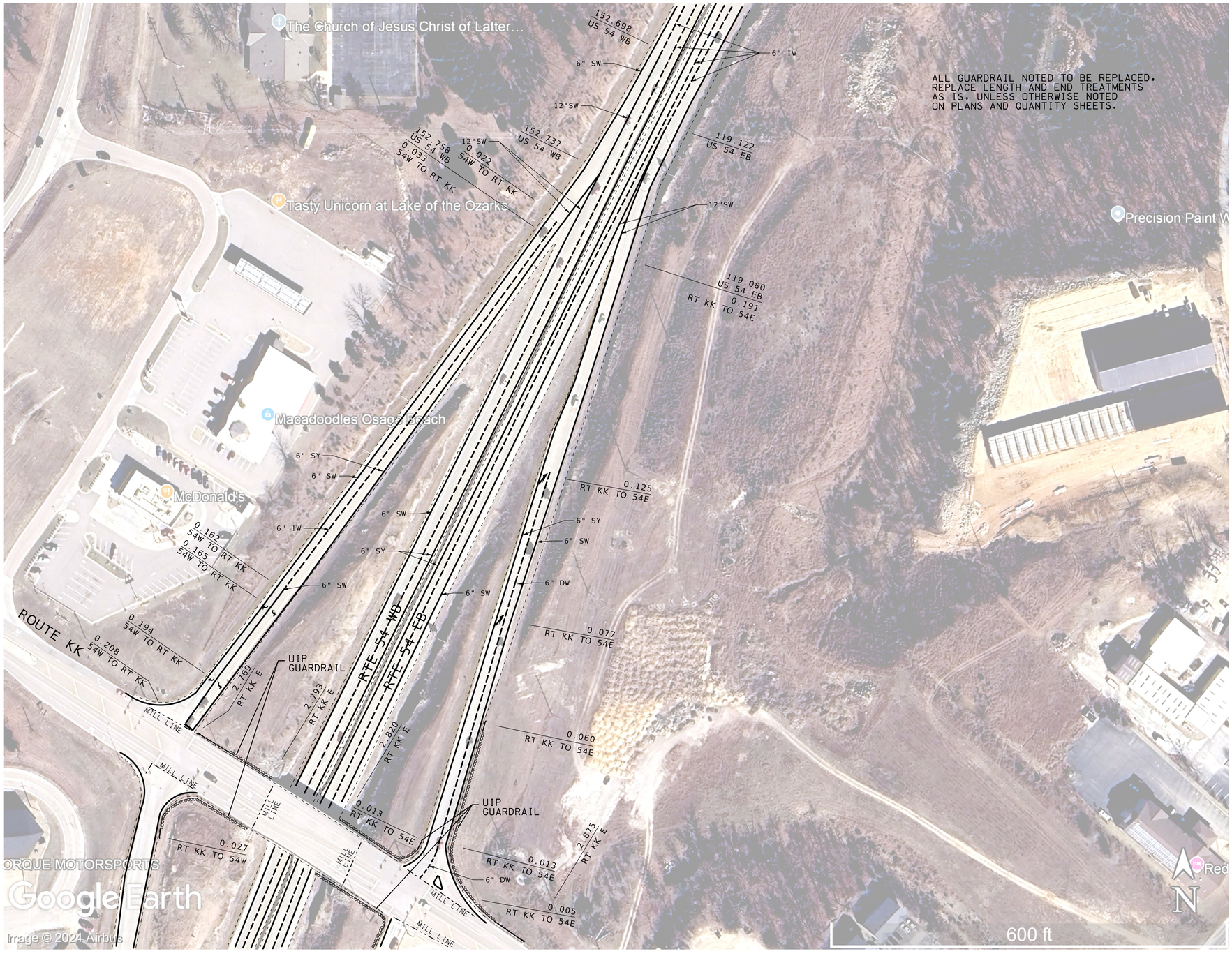
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
SHEET 9 OF 21



* NOTE:

SEE SPECIAL SHEETS 20 & 21
FOR ROUTE KK
PAVEMENT MARKING DETAILS.

ROUTE KK INTERCHANGE
LOG MILE 152.932 RTE 54 WB
LOG MILE 118.902 RTE 54 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 10 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:38:18 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	13

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

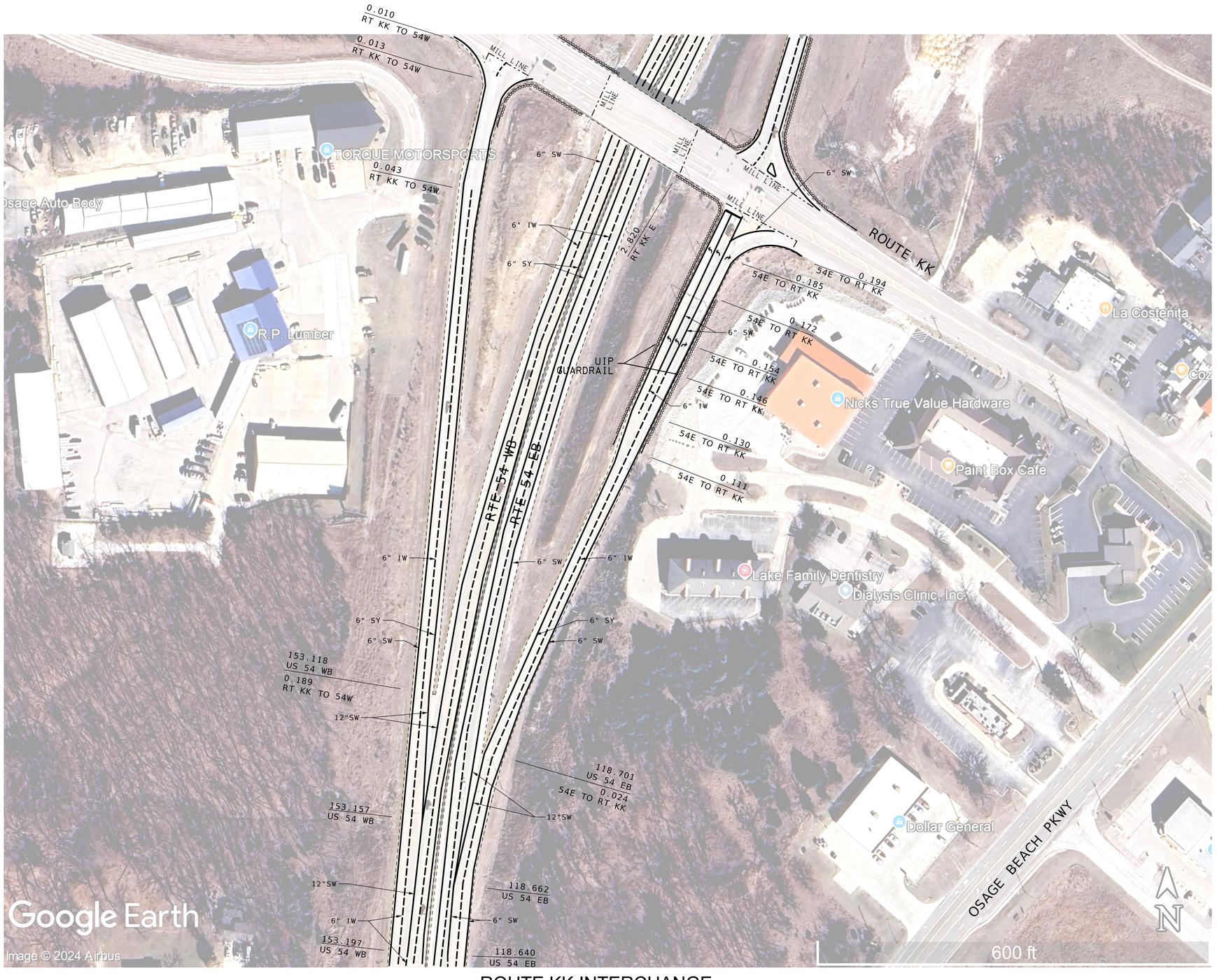
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
SHEET 10 OF 21



* NOTE:

SEE SPECIAL SHEETS 20 & 21
FOR ROUTE KK
PAVEMENT MARKING DETAILS.

ALL GUARDRAIL NOTED TO BE REPLACED, REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.

ROUTE KK INTERCHANGE
LOG MILE 152.932 RTE 54 WB
LOG MILE 118.902 RTE 54 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 11 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 12:38:25 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	14

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

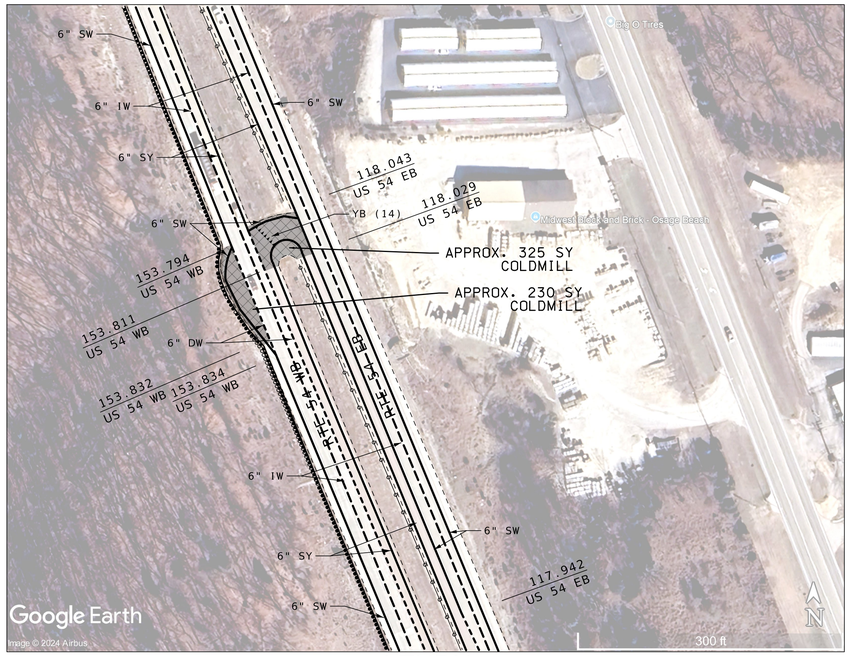
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DATE

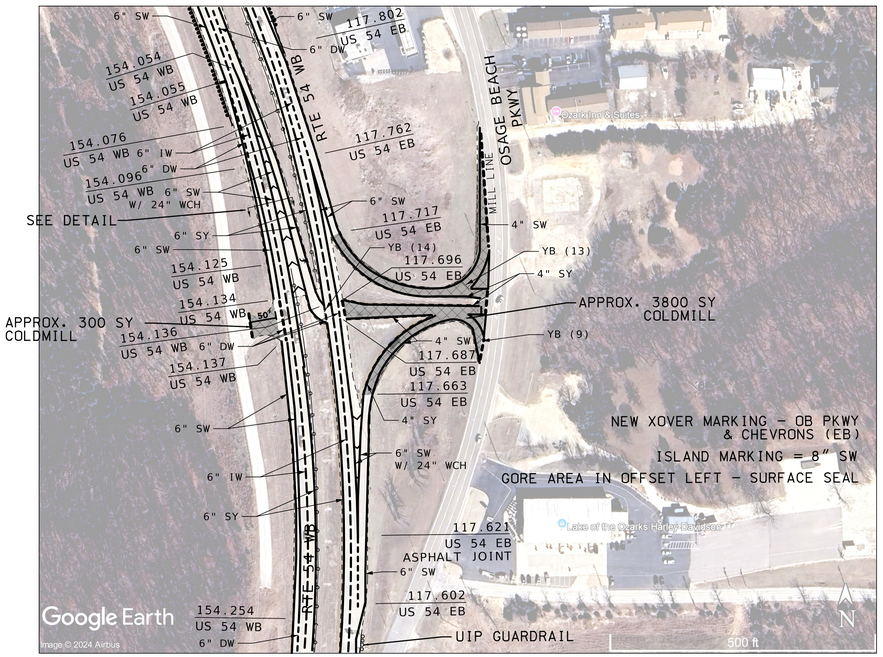
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
SHEET 11 OF 21



J-TURN
LOG MILE 153.800 RTE 54 WB
LOG MILE 118.040 RTE 54 EB



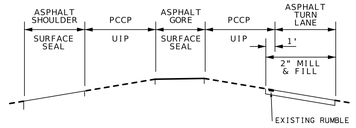
KEY LARGO INTERSECTION
LOG MILE 154.138 RTE 54 WB
LOG MILE 117.701 RTE 54 EB



RUNABOUT DR.
LOG MILE 154.713 RTE 54 WB



END WB ASPHALT
LOG MILE 155.098 US 54 WB



DETAIL

MILL EXISTING SHOULDER RUMBLES
LM 154.096 TO LM 154.400 RT 54 WB

ALL GUARDRAIL NOTED TO BE REPLACED, REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.

NOT TO SCALE

SPECIAL SHEET
SHEET 12 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:38:32 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	15

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

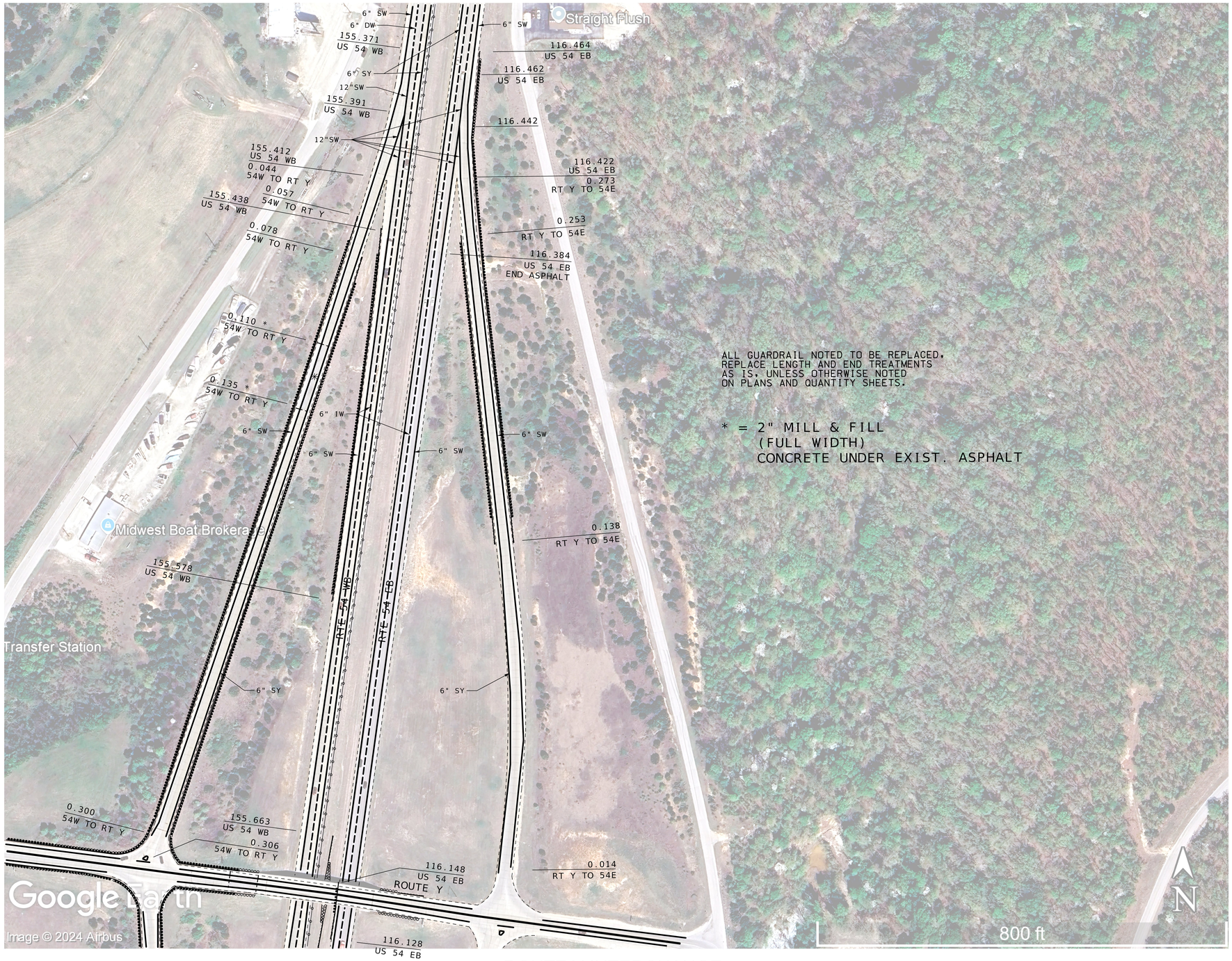
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 12 OF 21



ALL GUARDRAIL NOTED TO BE REPLACED, REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.

* = 2" MILL & FILL
(FULL WIDTH)
CONCRETE UNDER EXIST. ASPHALT

ROUTE Y INTERCHANGE
LOG MILE 155.682 RTE 54 WB
LOG MILE 116.150 RTE 54 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 13 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:38:39 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	16

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SPECIAL SHEET
SHEET 13 OF 21



* = 2" MILL & FILL
CONCRETE UNDER EXIST. ASPHALT

ALL GUARDRAIL NOTED TO BE REPLACED. REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.

** ADD 137.5' ADDITIONAL MGS RAIL. SEE NOTE ON SPECIAL SHEET 1.

ROUTE Y INTERCHANGE
LOG MILE 155.682 RTE 54 WB
LOG MILE 116.150 RTE 54 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 14 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:38:50 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	17

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

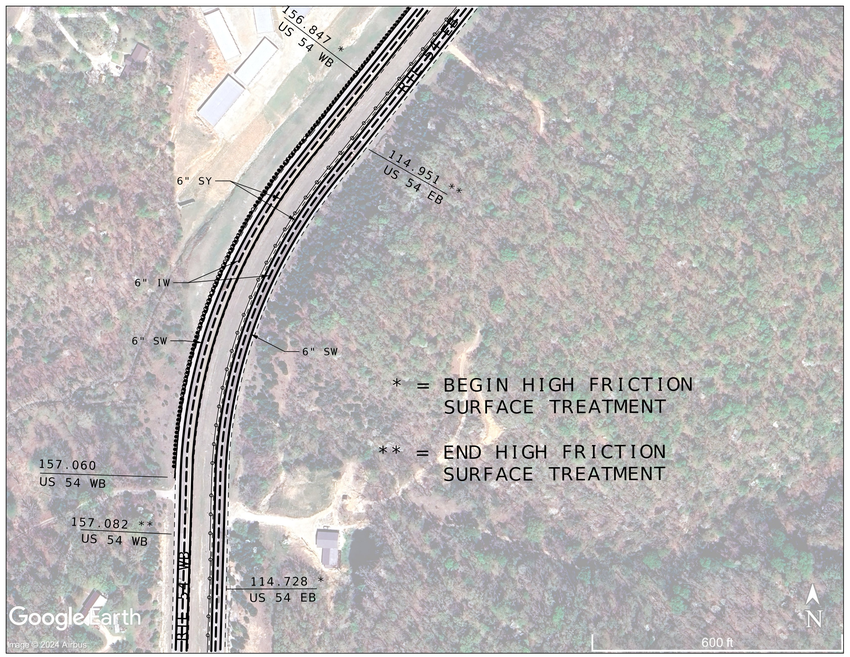
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
SHEET 14 OF 21

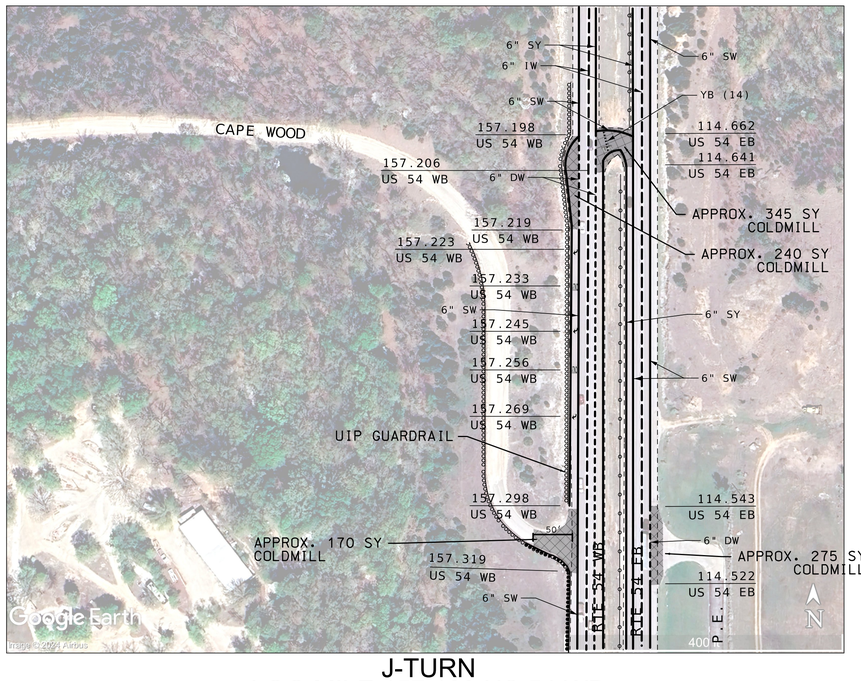


BEGIN WB ASPHALT
LOG MILE 156.200 US 54 WB

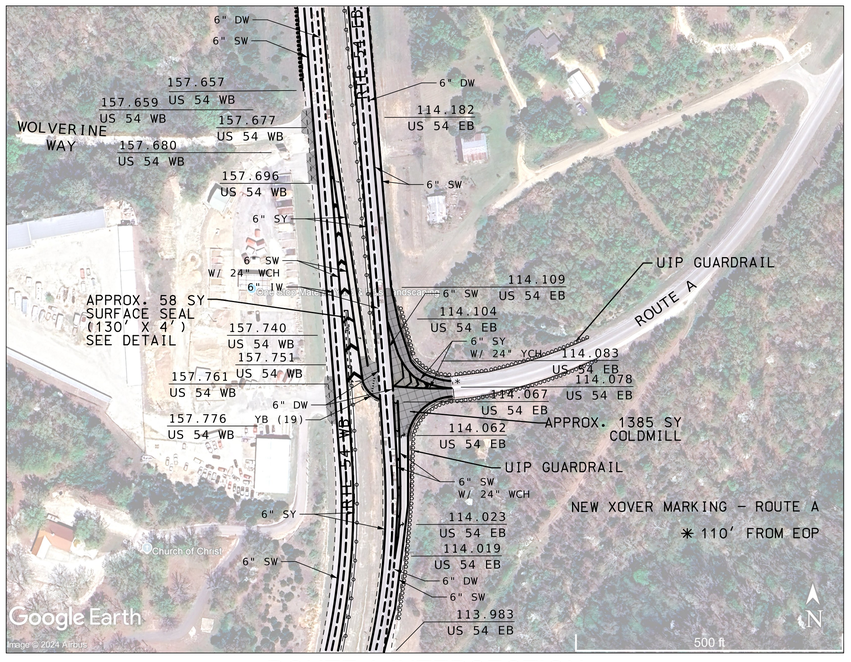


HFST LOCATION
LOG MILE 156.847 US 54 WB
LOG MILE 114.951 US 54 EB

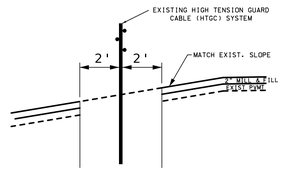
ALL GUARDRAIL NOTED TO BE REPLACED, REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.



J-TURN
LOG MILE 157.189 US 54 WB
LOG MILE 114.649 US 54 EB



ROUTE A INTERSECTION
LOG MILE 157.761 US 54 WB
LOG MILE 114.070 US 54 EB



DETAIL

MILL & FILL AROUND GUARD CABLE

DND VEGETATIVE BARRIER

NOT TO SCALE

SPECIAL SHEET
SHEET 15 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:39:01 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	18

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

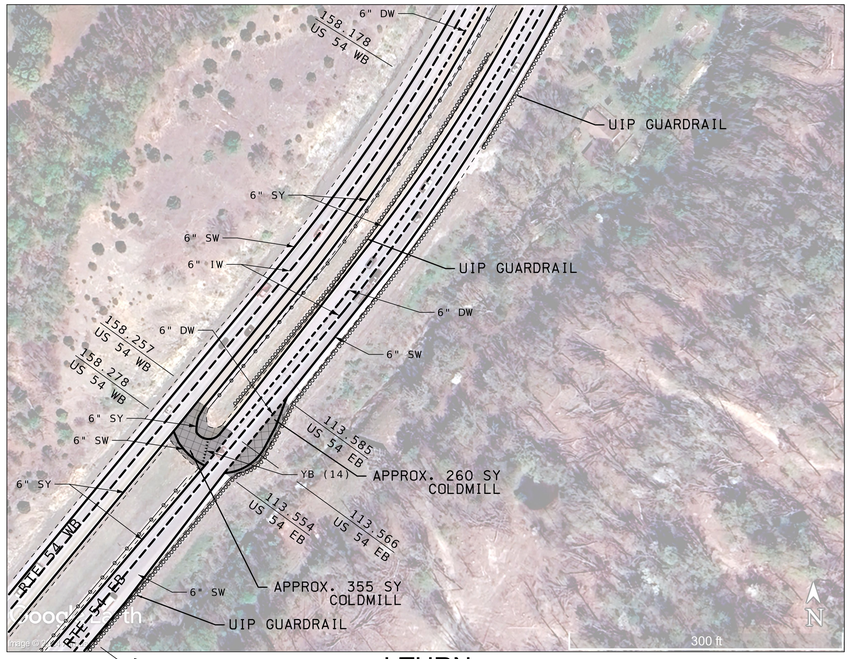
PROJECT NO.

BRIDGE NO.

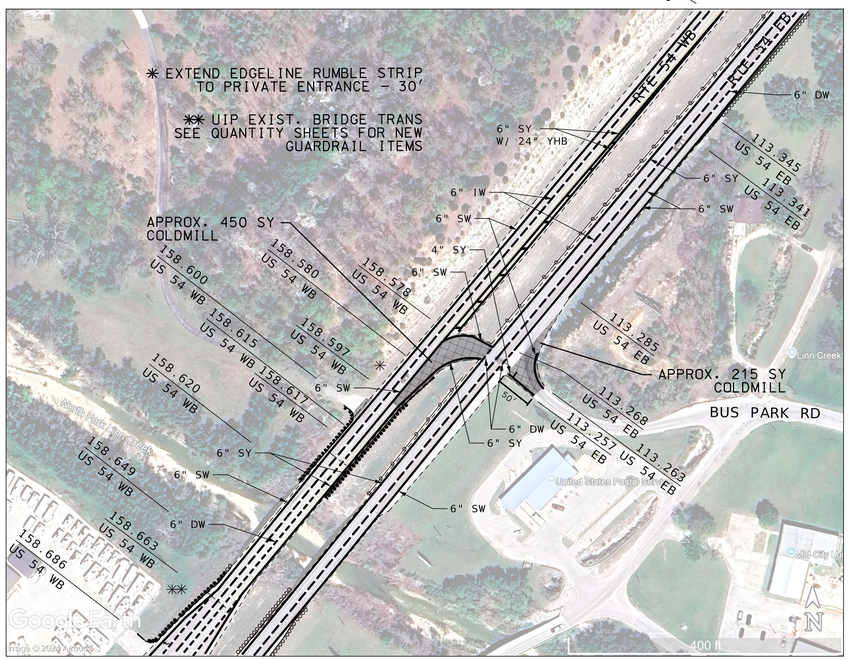
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 15 OF 21

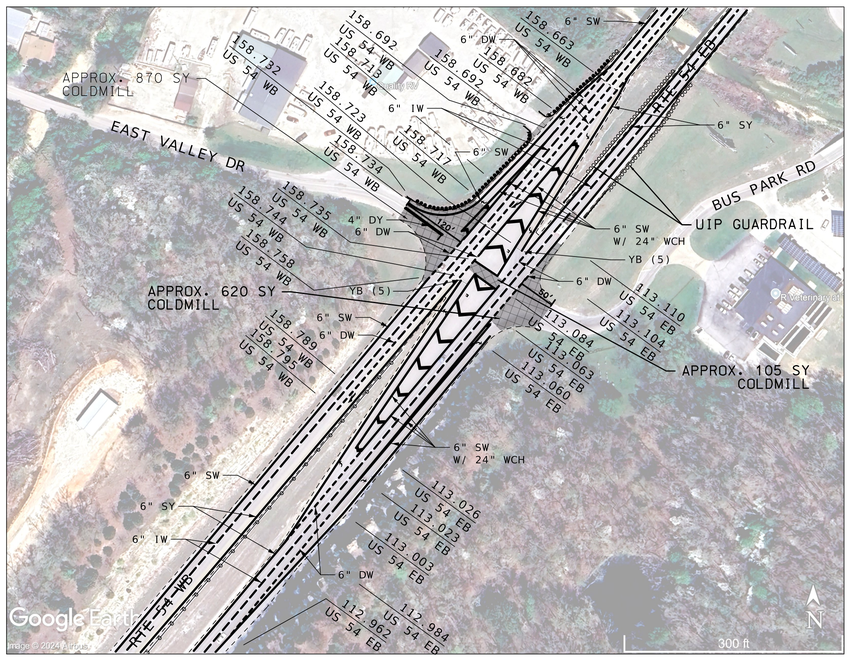


J-TURN
LOG MILE 158.258 US 54 WB
LOG MILE 113.564 US 54 EB

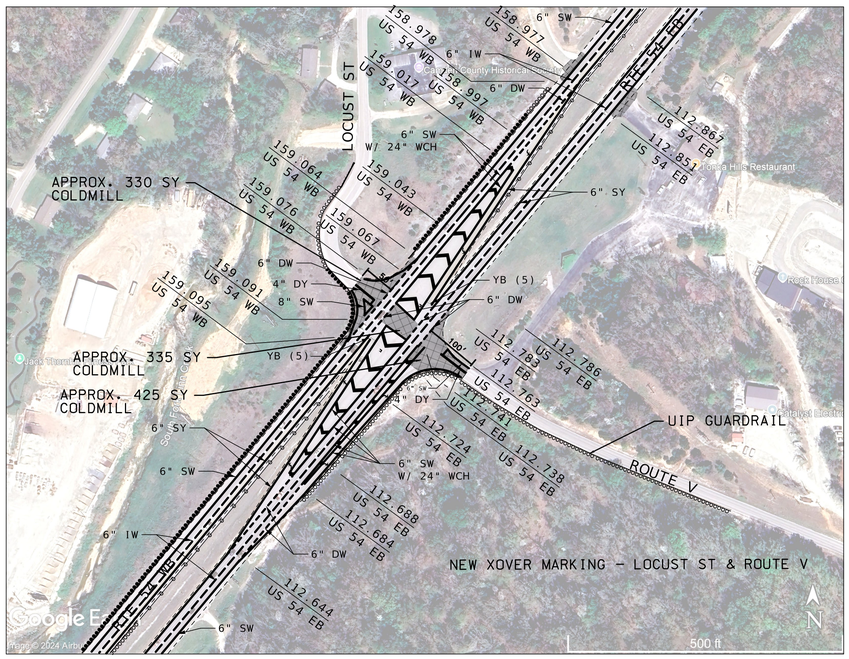


BUSINESS PARK RD. INTERSECTION
LOG MILE 158.563 US 54 WB
LOG MILE 113.264 US 54 EB

ALL GUARDRAIL NOTED TO BE REPLACED, REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.



EAST VALLEY DR./BUSINESS PARK RD. INTERSECTION
LOG MILE 158.731 US 54 WB
LOG MILE 113.091 US 54 EB



ROUTE V INTERSECTION
LOG MILE 159.079 US 54 WB
LOG MILE 112.746 US 54 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 16 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/29/2025 12:39:08 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	19

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

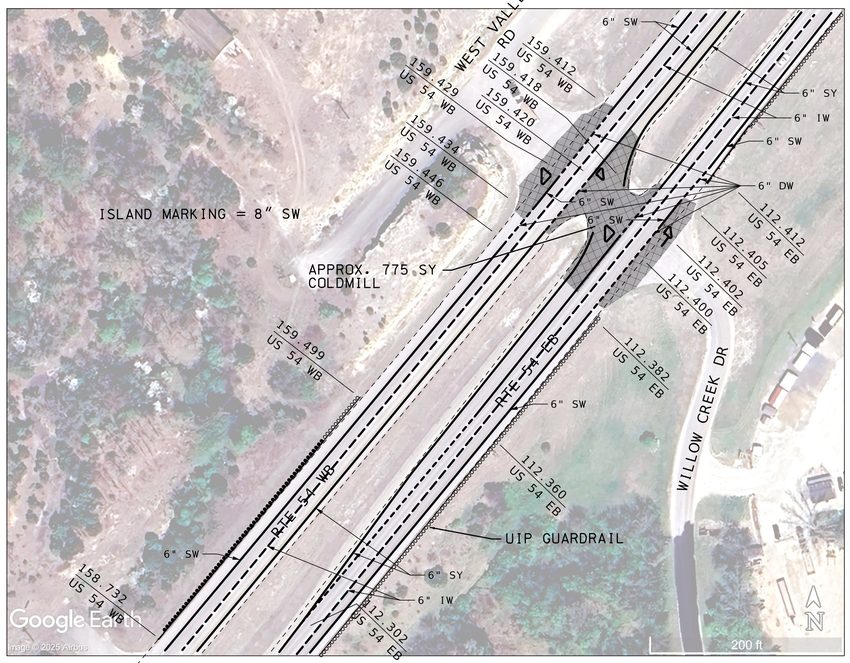
PROJECT NO.

BRIDGE NO.

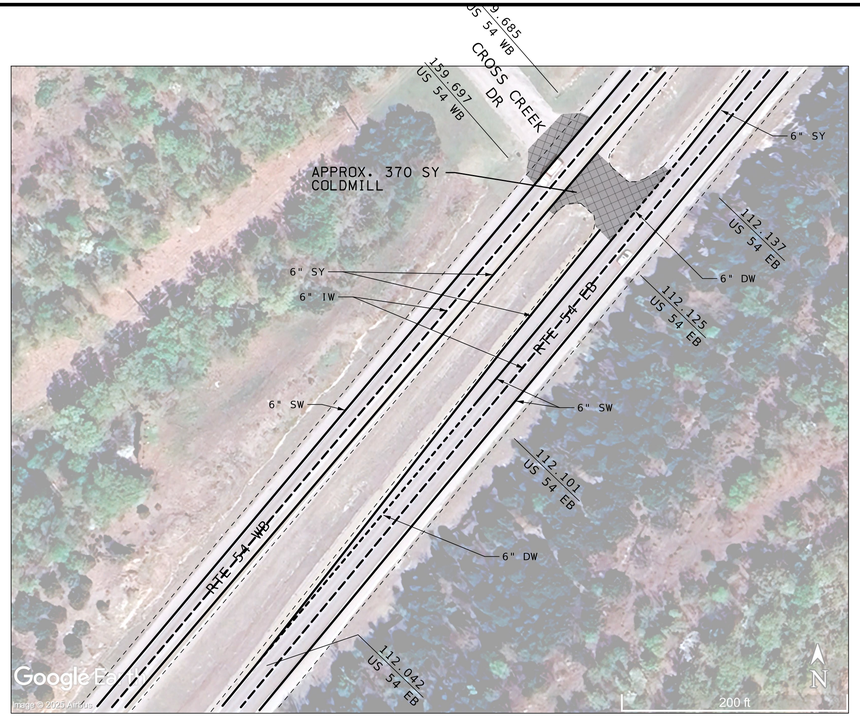
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 16 OF 21

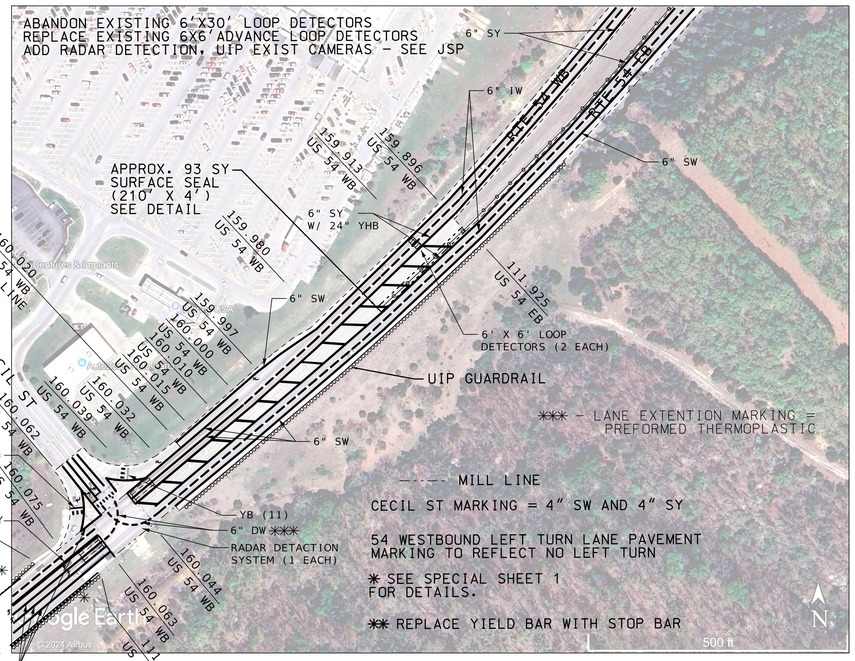


WEST VALLEY RD INTERSECTION
LOG MILE 159.423 US 54 WB
LOG MILE 112.400 US 54 EB



CROSS CREEK RD INTERSECTION
LOG MILE 159.687 US 54 WB
LOG MILE 112.131 US 54 EB

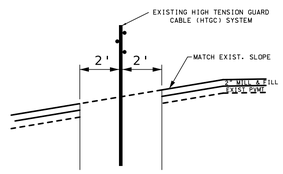
ALL GUARDRAIL NOTED TO BE REPLACED, REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.



CECIL ST. INTERSECTION
LOG MILE 160.049 US 54 WB



GUARDRAIL ENDS
LOG MILE 111.465 & 111.653 US 54 EB



DETAIL

MILL & FILL AROUND GUARD CABLE
DND VEGETATIVE BARRIER

NOT TO SCALE

SPECIAL SHEET
SHEET 17 OF 21

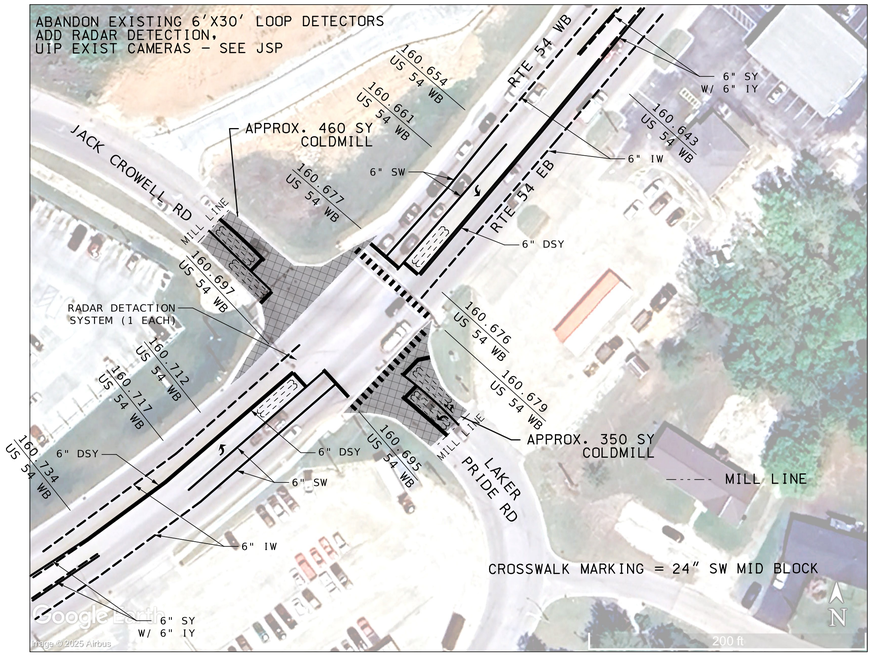
STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:39:15 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED	7/28/2025
ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	20
COUNTY	CAMDEN
JOB NO.	J5P3554
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

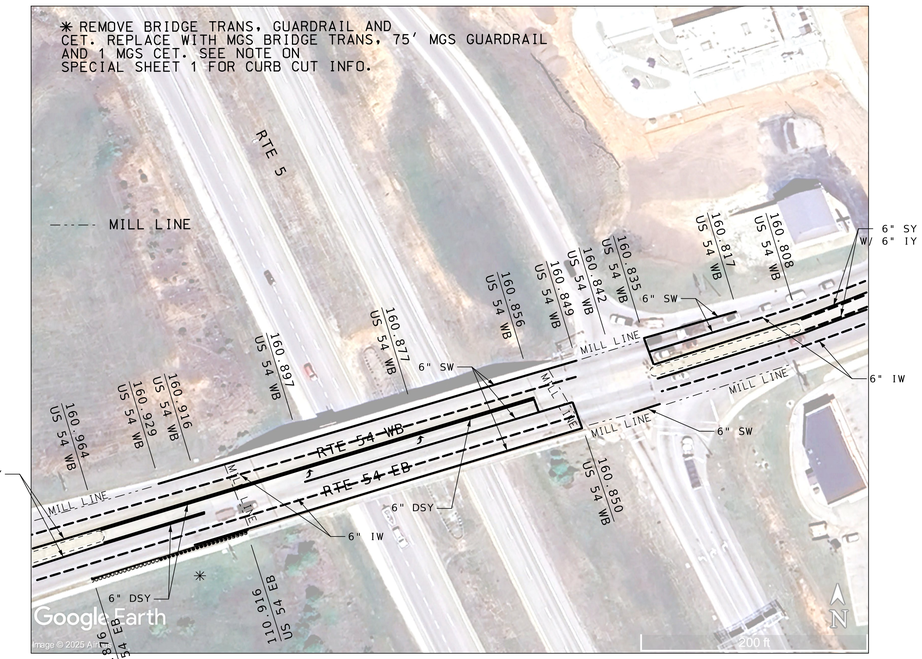
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 17 OF 21

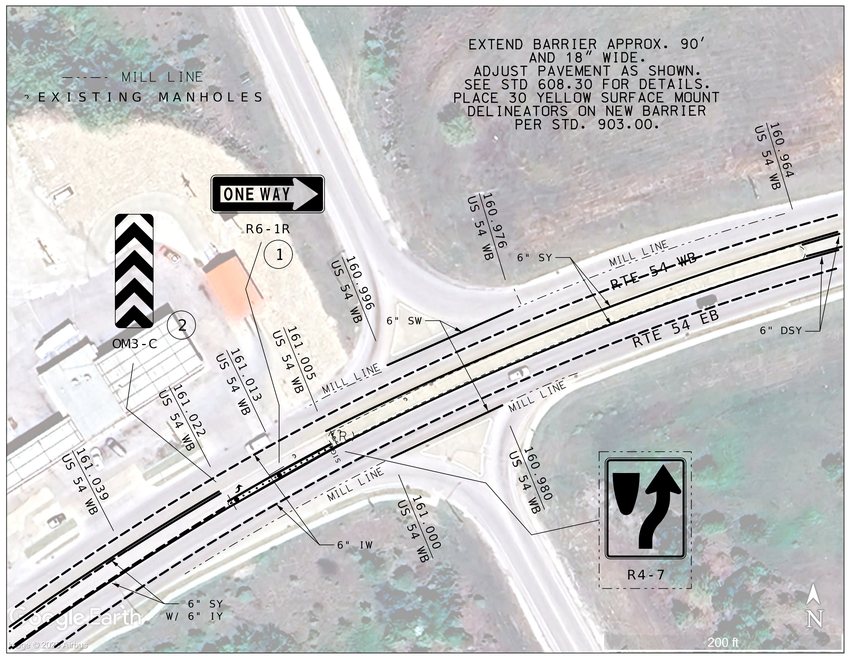


JACK CROWELLRD/LAKER PRIDE RD INTERSECTION
LOG MILE 160.690 US 54 WB

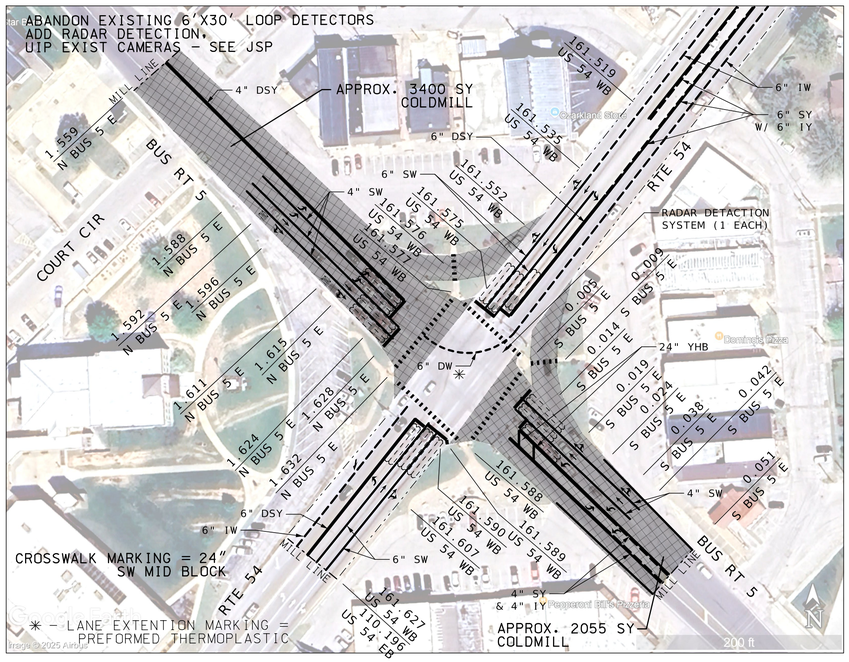


ROUTE 5 INTERCHANGE
LOG MILE 160.879 US 54 WB

ALL GUARDRAIL NOTED TO BE REPLACED, REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.



ROUTE 5 INTERCHANGE/BARRIER EXTENTION
LOG MILE 161.014 US 54 WB



BUSINESS 5 INTERSECTION/BEGIN PROJ J5P3573 EXCEPTION
LOG MILE 161.580 US 54 WB

NOT TO SCALE

NOT TO SCALE

SPECIAL SHEET
SHEET 18 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:39:24 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	21

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

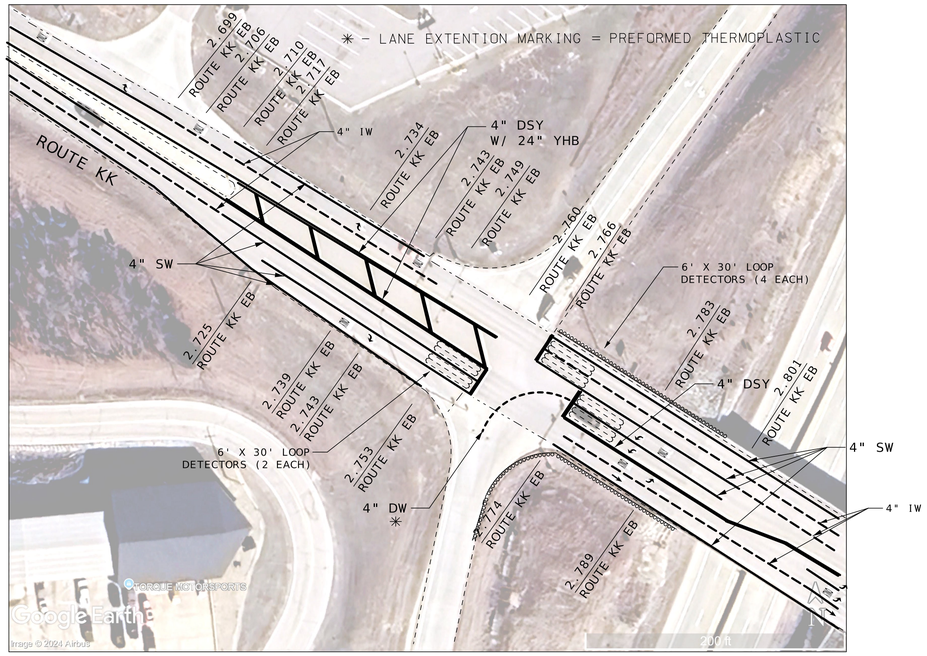
PROJECT NO.

BRIDGE NO.

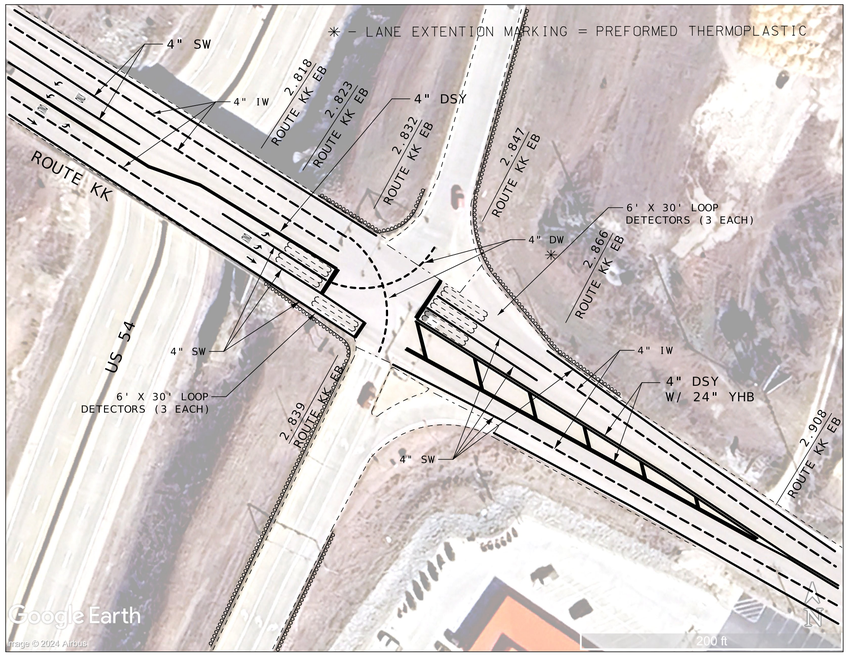
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 18 OF 21

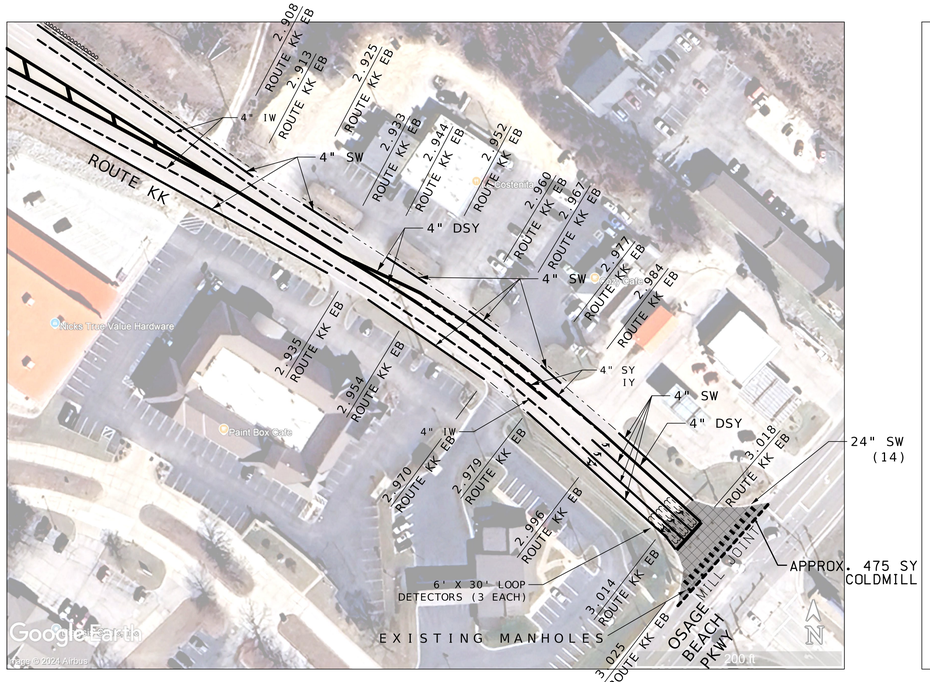


LOG MILE 2.763 ROUTE KK EB

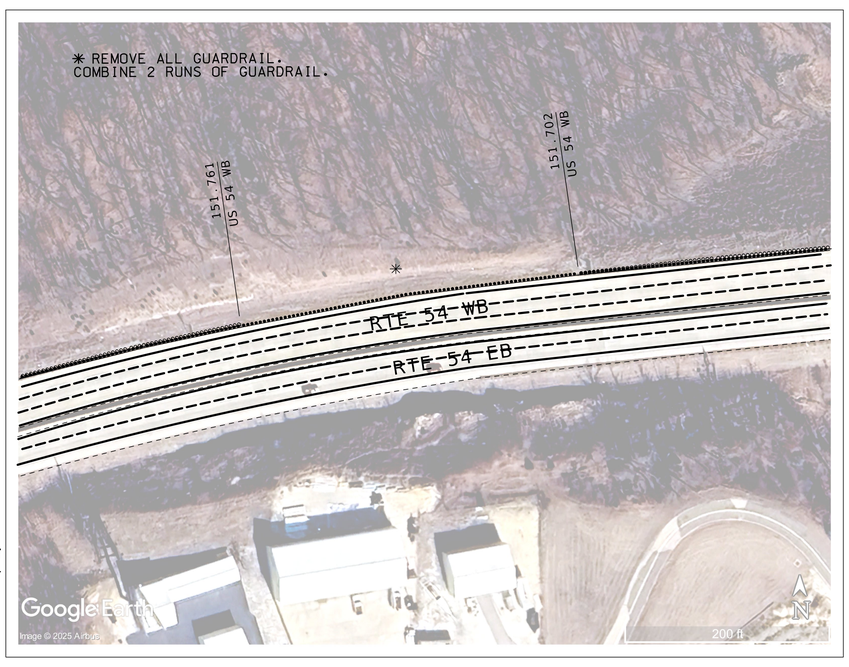


LOG MILE 2.845 ROUTE KK EB

ALL GUARDRAIL NOTED TO BE REPLACED, REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.



END PROJECT
LOG MILE 3.025 ROUTE KK EB



LOG MILE 151.702 US 54 WB

NOT TO SCALE

SPECIAL SHEET
SHEET 21 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:39:32 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	24

COUNTY
CAMDEN

JOB NO.
J5P355

CONTRACT ID.

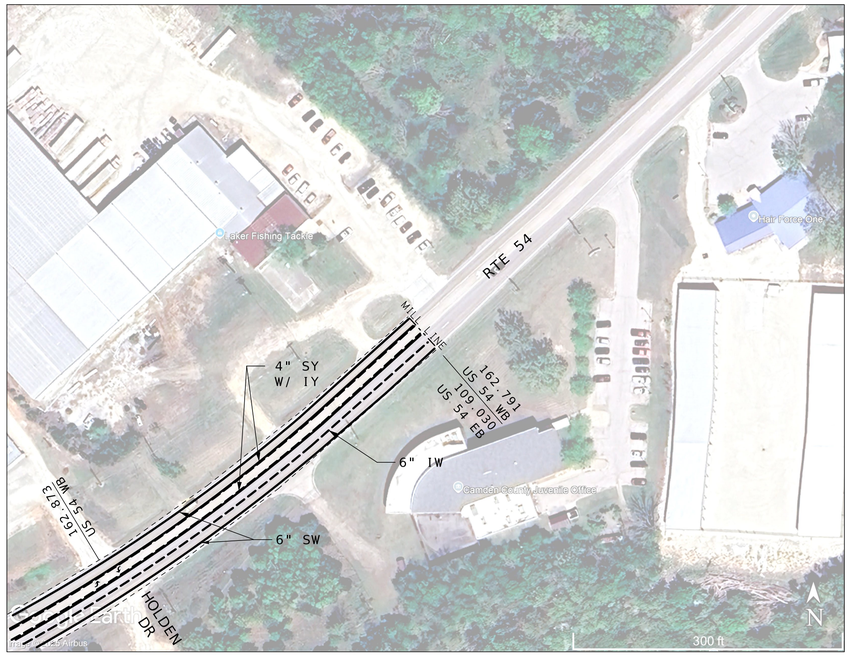
PROJECT NO.

BRIDGE NO.

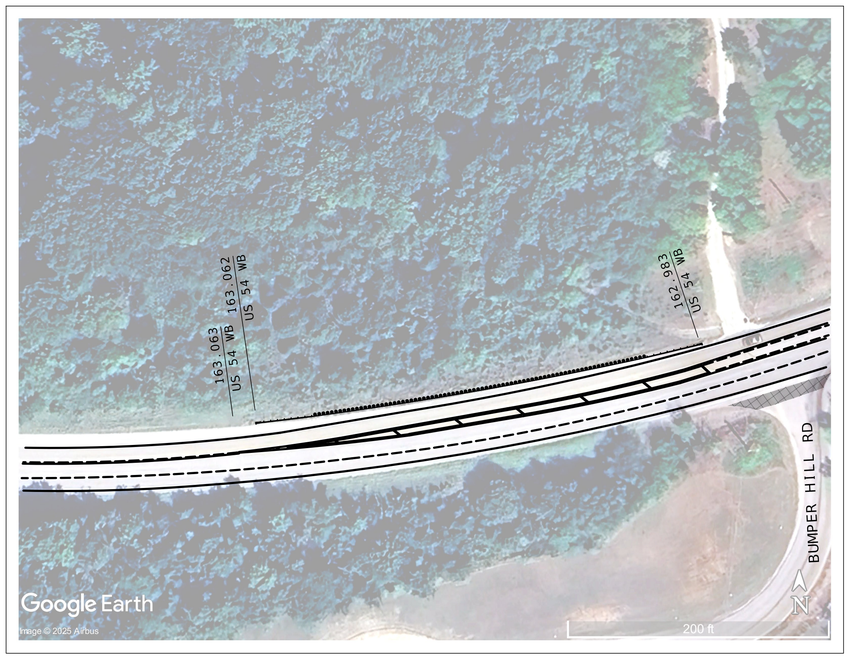
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 21 OF 21

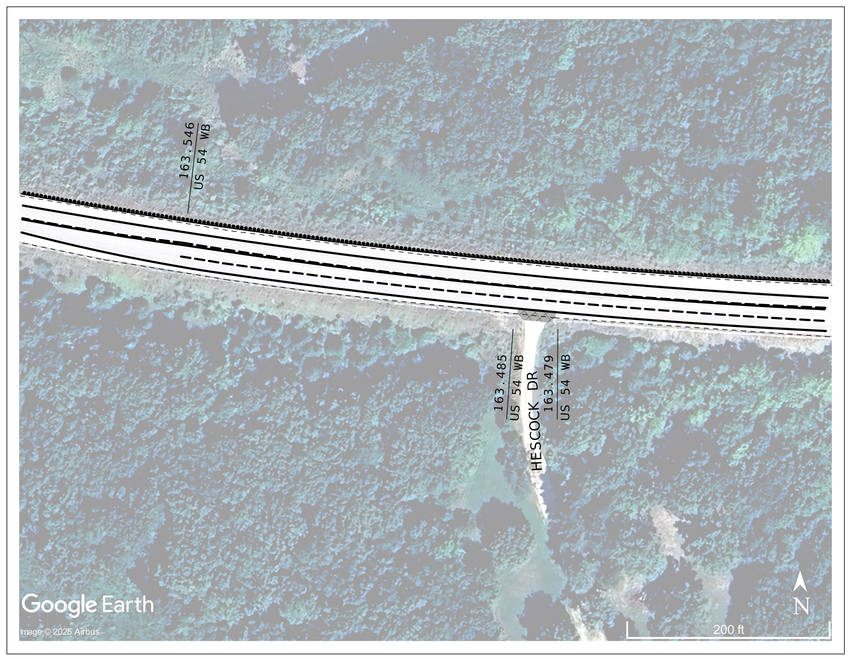


END PROJ J5P3573 EXCEPTION
LOG MILE 162.791 US 54 WB



BUMPER HILL RD INTERSECTION
LOG MILE 162.962 US 54 WB

ALL GUARDRAIL NOTED TO BE REPLACED, REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.



HESCOCK DR INTERSECTION
LOG MILE 163.481 US 54 WB



END PROJECT
LOG MILE 164.980 US 54 WB
LOG MILE 106.843 US 54 EB

NOT TO SCALE

SPECIAL SHEET
SHEET 19 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 12:39:42 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	22

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

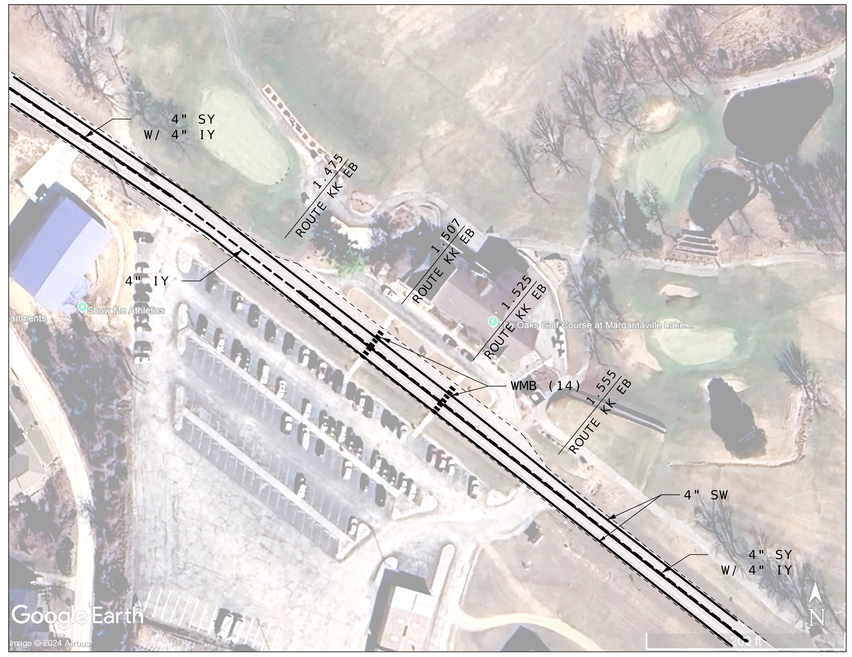
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
SHEET 19 OF 21



BEGIN PROJECT
LOG MILE 0.000 ROUTE KK EB

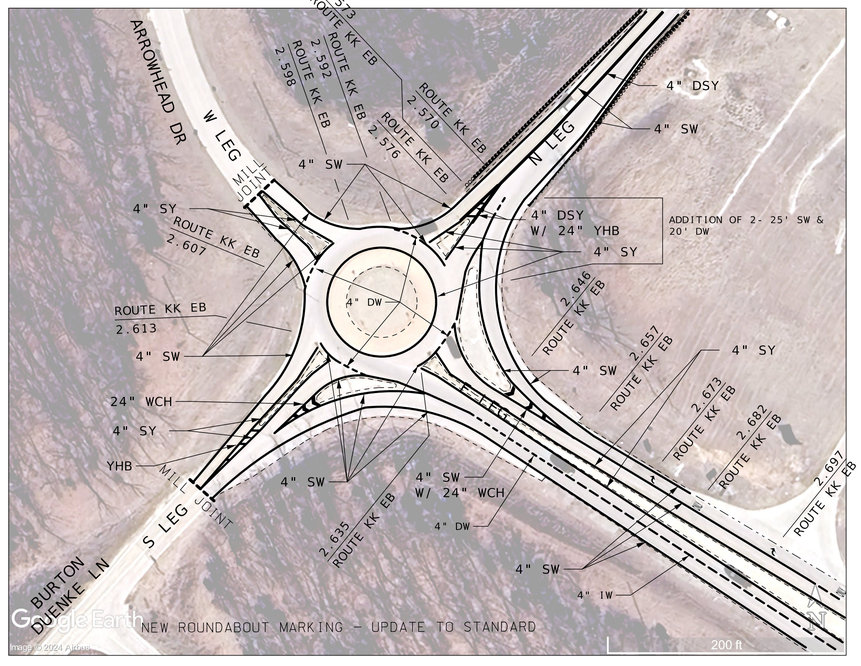


LOG MILE 1.515 ROUTE KK EB

ALL GUARDRAIL NOTED TO BE REPLACED, REPLACE LENGTH AND END TREATMENTS AS IS, UNLESS OTHERWISE NOTED ON PLANS AND QUANTITY SHEETS.



LOG MILE 1.975 ROUTE KK EB



LOG MILE 2.585 ROUTE KK EB

NOT TO SCALE

SPECIAL SHEET
SHEET 20 OF 21

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 12:39:51 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED	7/28/2025
ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	23
COUNTY	CAMDEN
JOB NO.	J5P3554
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)

SPECIAL SHEET
SHEET 20 OF 21

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′

TAPER LENGTHS AND END TREATMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			
	10′	11′	12′	END TREATMENT (4)
<40	160′	168′	176′	BARRIER HEIGHT TRANSITION
>40	160′	168′	350′	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS						
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3) (T2)			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′	250′	35′✳ / 40′✳
40-45	450′	495′	540′	150′	360′	40′✳ / 80′✳
50-55	550′	605′	660′	185′	495′	50′✳✳ / 80′✳✳
60-70	700′	770′	840′	235′	730′	60′✳✳ / 120′✳✳

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

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- DIRECTIONAL INDICATOR BARRICADE
- TUBULAR MARKER
- MOVABLE BARRICADE (PLAN VIEW)
- CHANGEABLE MESSAGE BOARD
- TRAFFIC BARRIER (PLAN VIEW)
- TRAFFIC BARRIER (SECTION VIEW)
- HIGH-LEVEL WARNING DEVICE (FLAG TREE)
- OR SHORT -TERM OR LONG-TERM RUMBLE STRIPS
- WORK SPACE
- FLASHING ARROW PANEL
- FLASHING ELECTRIC LIGHT
- IMPACT ATTENUATOR ARRAY (SAND BARRELS)
- MOVABLE BARRICADE (SIDE VIEW)
- OBJECT MARKER - TYPE I
- OBJECT MARKER - TYPE II
- OBJECT MARKER - TYPE III
- LUMINAIRE
- TMA - TRUCK MOUNTED ATTENUATOR
- CRASH CUSHION
- TRAFFIC OR PEDESTRIAN SIGNAL

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 AND VISIBILTY.

(3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10′ SHOULDER.

(4) CONCRETE BARRIER MAY BE INSTALLED AT AND 8:1 FLARE RATE FROM THE SHOULDER POINT TO THE LIMITS OF THECLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER.

(5) DISTANCE PLACED BEFORE THE FEATURE REQUIRING ATTENTION (e.g. MERGE, LANE SHIFT, REDUCED SPEED).

(6) SPACING MAY NEED TO BE ADJUSTED IF TEMPORARY RUMBLE STRIPS ARE SLIDING OR MOVING.

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

LONG-TERM RUMBLE STRIPS		
PERMANENT POSTED SPEED (MPH)	DISTANCE (FT) (5)	SPACING (FT) (6)
0-45 (OPTIONAL)	120	10-12
50-55	160	10-12
60-70	200	10-12

RECOMMENDED MAX SPEED REDUCTIONS	
CONSTRUCTION ACTIVITY LOCATION	SPEED REDUCTION
10 FT. BEYOND EDGE OF TRAVELWAY TO EDGE OF RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10 FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTI-LANE	10 MPH
SPECIAL CIRCUMSTANCES WITHIN TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.	

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL SHEET
SPACING AND TAPER LENGTHS FOR
WORK ZONES, CHANNELIZERS AND
CONCRETE BARRIER
TRAFFIC CONTROL LEGEND
SHEET 1 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 12:28:39 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/23/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	25

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

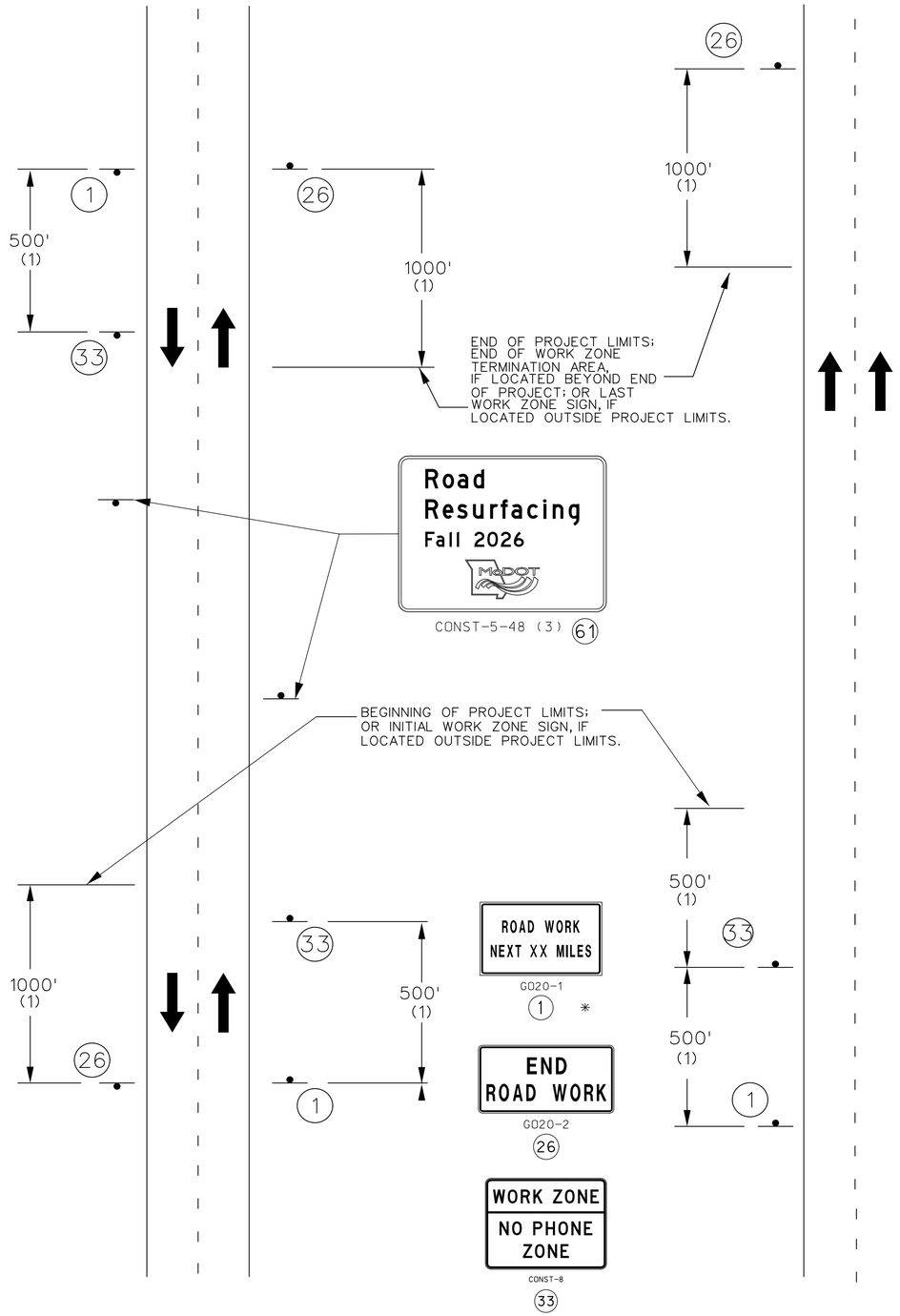
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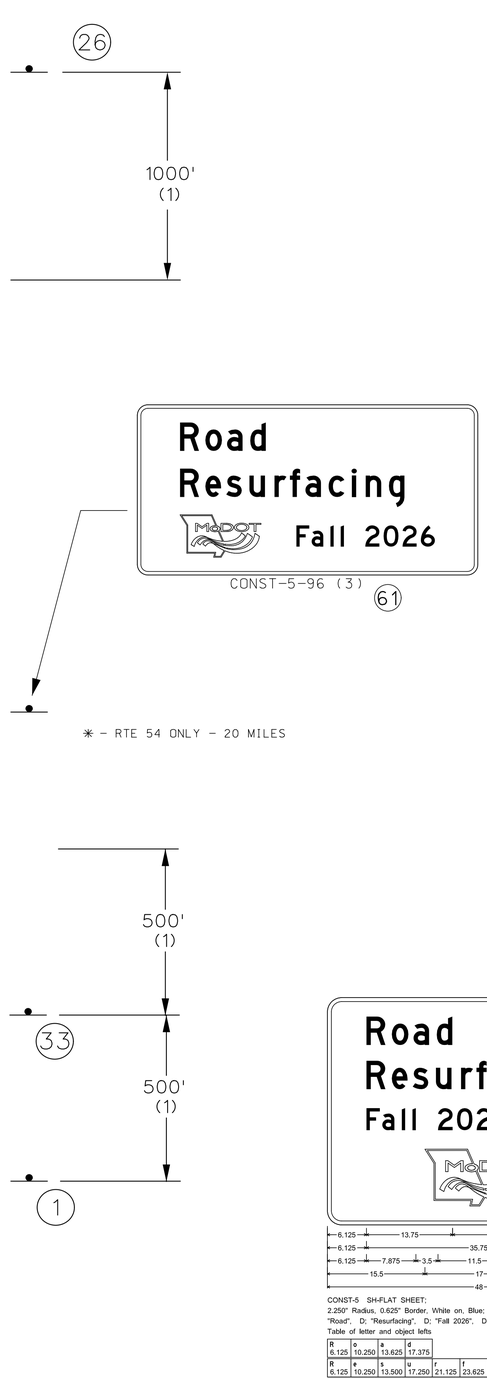
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
SPACING AND TAPER LENGTHS FOR
WORK ZONES, CHANNELIZERS, AND
CONCRETE BARRIER
TRAFFIC CONTROL LEGEND
SHEET 1 OF 17





BEGIN/END OF PROJECT SIGNING

NOTES:

SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

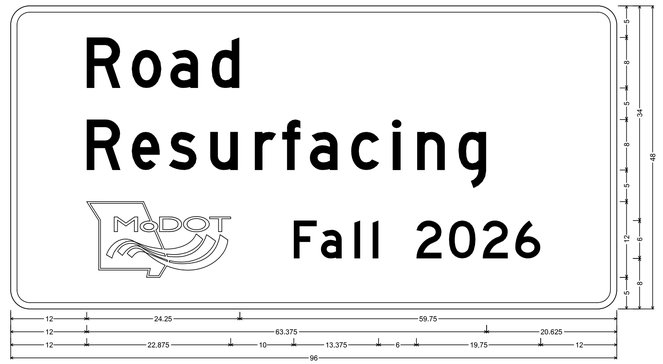
ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-5-96 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS.

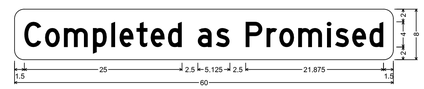
(3) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(4) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.



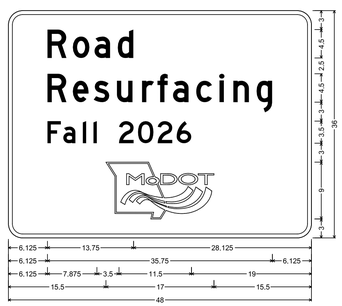
CONST-5 SH-FLAT SHEET;
3.000" Radius, 1.000" Border, White on, Blue;
"Road", D; "Resurfacing", D; "Fall 2026", D;
Table of letter and object lefts

R 12.000	o 19.125	a 25.250	d 31.875
R 12.000	e 19.125	s 25.000	u 31.625	r 38.625	f 43.000	a 47.375	c 53.875	i 60.500	n 64.375	g 70.875
F 12.000	a 44.875	a 49.125	l 54.500	l 57.375	2 64.250	0 69.375	2 74.750	6 79.875



CONST-5P-60 SHF-FLAT SHEET FLUORESCENT;
1.500" Radius, No border, Yellow;
"Completed as Promised" Black, D 65% spacing;
Table of letter and object lefts

C 1.500	o 4.875	m 7.875	p 12.375	l 15.375	e 16.625	t 19.375	e 21.500	d 24.250	a 29.000	s 31.875
P 36.625	r 39.875	o 41.875	m 44.875	i 49.500	s 50.750	e 53.500	d 56.250			



CONST-5 SH-FLAT SHEET;
2.250" Radius, 0.625" Border, White on, Blue;
"Road", D; "Resurfacing", D; "Fall 2026", D;
Table of letter and object lefts

R 6.125	o 10.250	a 13.625	d 17.375
R 6.125	e 10.250	s 13.500	u 17.250	r 21.125	f 23.625	a 26.125	c 29.750	i 33.500	n 35.625	g 39.250
F 6.125	a 8.750	l 11.750	l 13.500	2 17.500	0 20.500	2 23.625	6 26.625			
15.500										



CONST-6P-42 SHF-FLAT SHEET FLUORESCENT;
1.500" Radius, No border, Yellow;
"Completed as Promised" Black, D 65% spacing;
Table of letter and object lefts

C 1.375	o 5.625	m 8.750	p 14.375	l 16.875	e 17.750	t 19.625	e 21.125	d 24.000	a 27.375	s 29.250
P 35.625	r 37.875	o 39.250	m 41.250	i 44.500	s 45.250	e 47.125	d 49.000			

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL SHEET
BEGIN / END PROJECT
TWO-LANE UNDIVIDED & MULTI-LANE DIVIDED
SHEET 2 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/04/2025 12:28:54 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	26

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

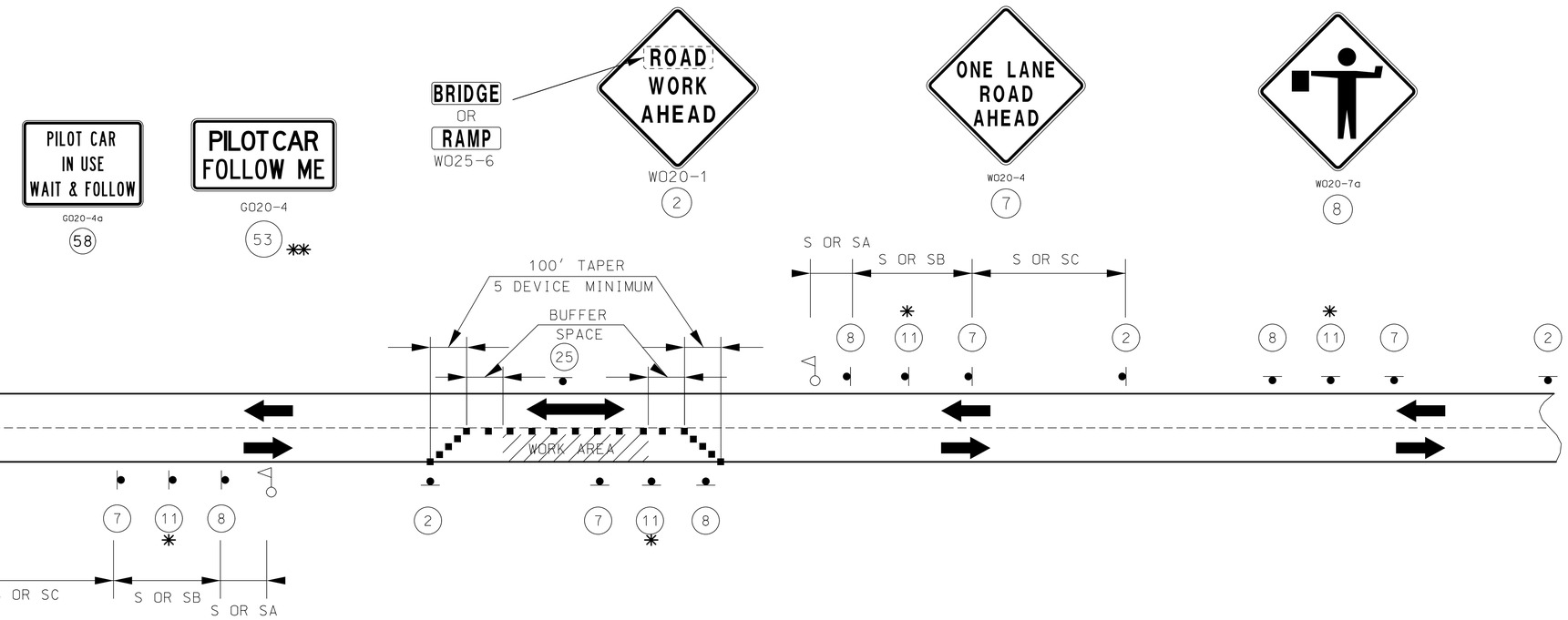
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
BEGIN / END PROJECT
TWO-LANE UNDIVIDED &
MULTI-LANE DIVIDED
SHEET 2 OF 17



SET 1	SET 2	SET 3	SET 4
ACTIVE	INACTIVE	ACTIVE	INACTIVE

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 SET 2 AND 4, SIGN SET 2 AND 4 BECOME ACTIVE (I.E. NEW SIGN SET 1 AND 3) AND SIGN SET 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E. NEW SIGN SET 2 AND 4).



* THIS SIGN IS INSERTED BETWEEN SIGNS 7 & 8 WITH THE SPACING OF 1/2 THE STANDARD SPACING WHEN NO WORK ZONE SPEED LIMIT IS ESTABLISHED.

** THIS SIGN SHALL BE THE CONTRACTORS RESPONSIBILITY WHEN IN USE DURING OPERATION.

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

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.

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL SHEET
FLAGGER CONTROL RESURFACING
OR MOVING OPERATION
1 LANE - 2 WAY OPERATION
SHEET 3 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/04/2025 12:29:16 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/23/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	27

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

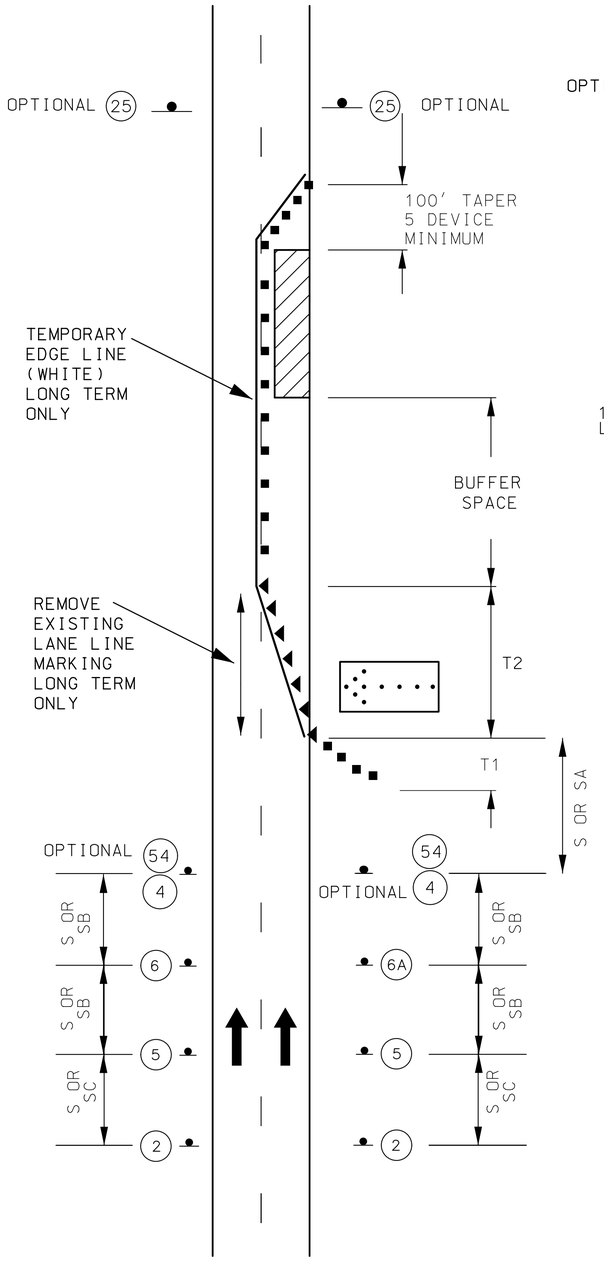
PROJECT NO.

BRIDGE NO.

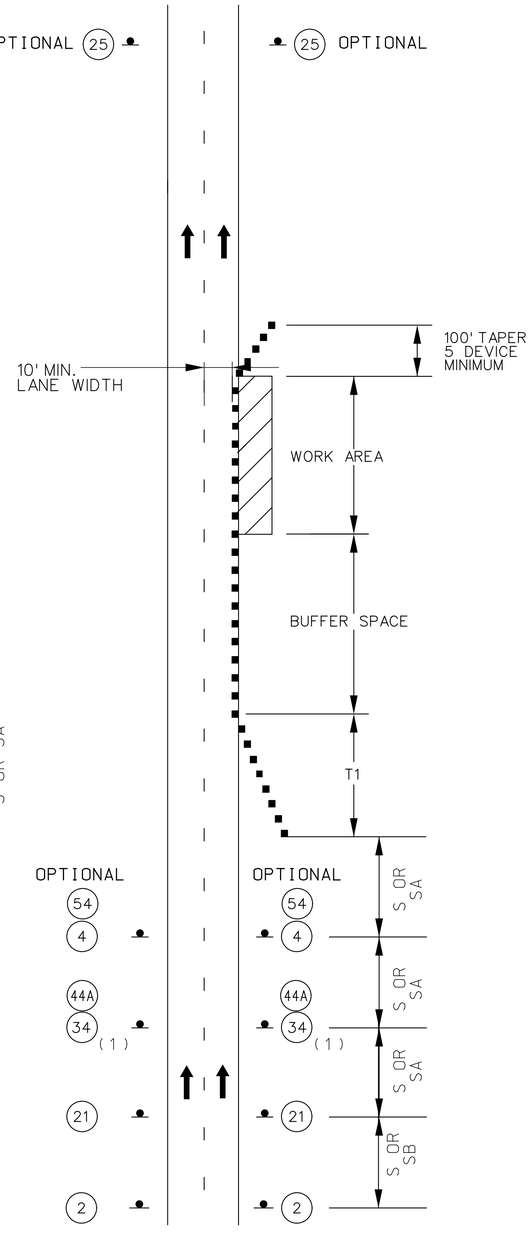
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

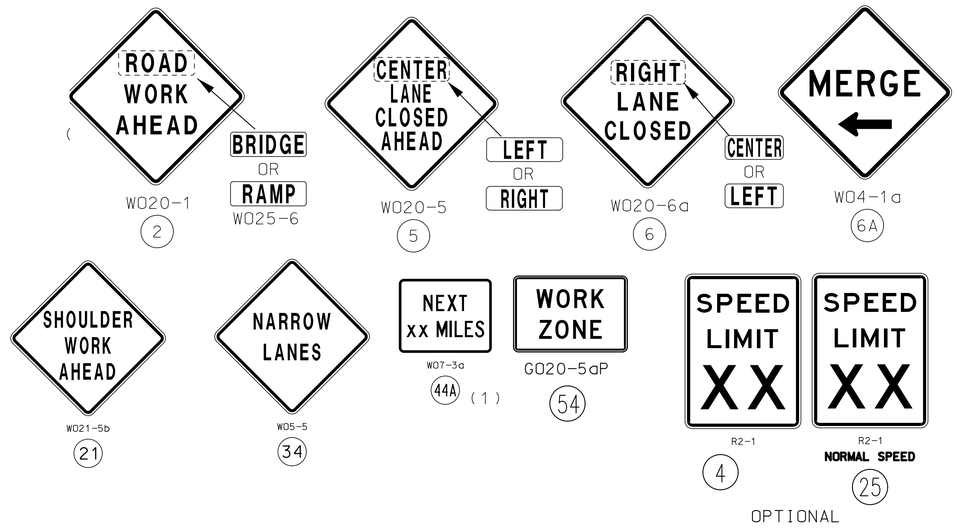
TRAFFIC CONTROL SHEET
FLAGGER CONTROL RESURFACING
OR MOVING OPERATION
1 LANE - 2 WAY OPERATION
SHEET 3 OF 17



STATIONARY LANE CLOSURE
DIVIDED HIGHWAY



MULTI-LANE DIVIDED
SHOULDER WORK
MINOR TRAVELWAY ENCROACHMENT



SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

THIS INFORMATION ALSO SHALL BE USED WHEN WORK IS BEING PREFORMED IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY. IN THIS CASE, THE LEFT LANDE CLOSED SIGNS AND THE CORRESPONDING MERGE OR LANE ENDS SIGN SHALL BE SUBSTITUTED.

WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE ADDITIONAL TTC DEVICES SHALL BE PLACED AS NEEDED.

AN ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.

THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.

VEHICLE- MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGEND ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH -INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1). SIGN 44A NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL SHEET
STATIONARY LANE CLOSURE
& SHOULDER WORK
ON DIVIDED HIGHWAY
SHEET 4 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 12:29:34 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	28

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

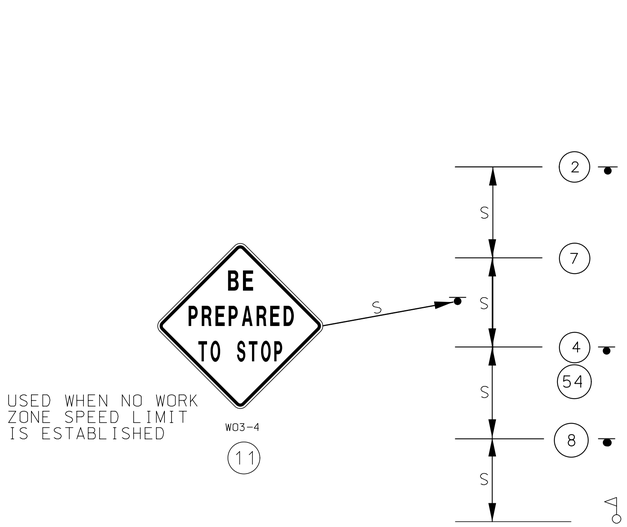
BRIDGE NO.

DESCRIPTION	DATE

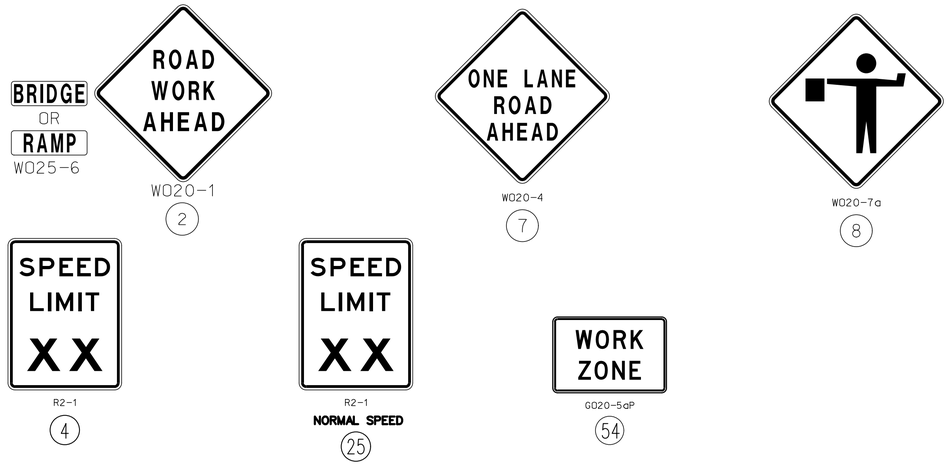
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

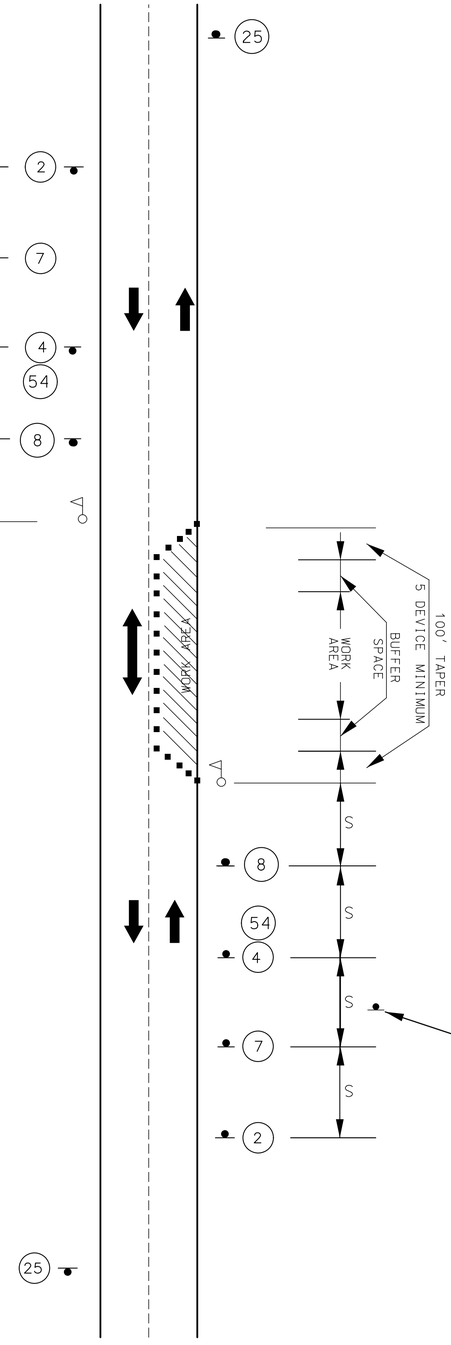
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
STATIONARY LANE CLOSURE
ON DIVIDED HIGHWAY
SHEET 4 OF 17



USED WHEN NO WORK ZONE SPEED LIMIT IS ESTABLISHED







USED WHEN NO WORK ZONE SPEED LIMIT IS ESTABLISHED

LANE CLOSURE ON TWO-LANE ROAD USING FLAGGERS

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

AUTOMATED FLAGGER ASSISTANCE DEVICES (AFAD) AND PORTABLE SIGNAL FLAGGING DEVICES (PSFD) MAY BE USED AS AND ALTERNATIVE FLAGGING OPERATION.

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOT CANDLES (6.5 LUX).

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL SHEET
LANE CLOSURE ON 2-LANE ROAD
USING FLAGGERS
SHEET 5 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 12:29:46 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/23/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	29

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

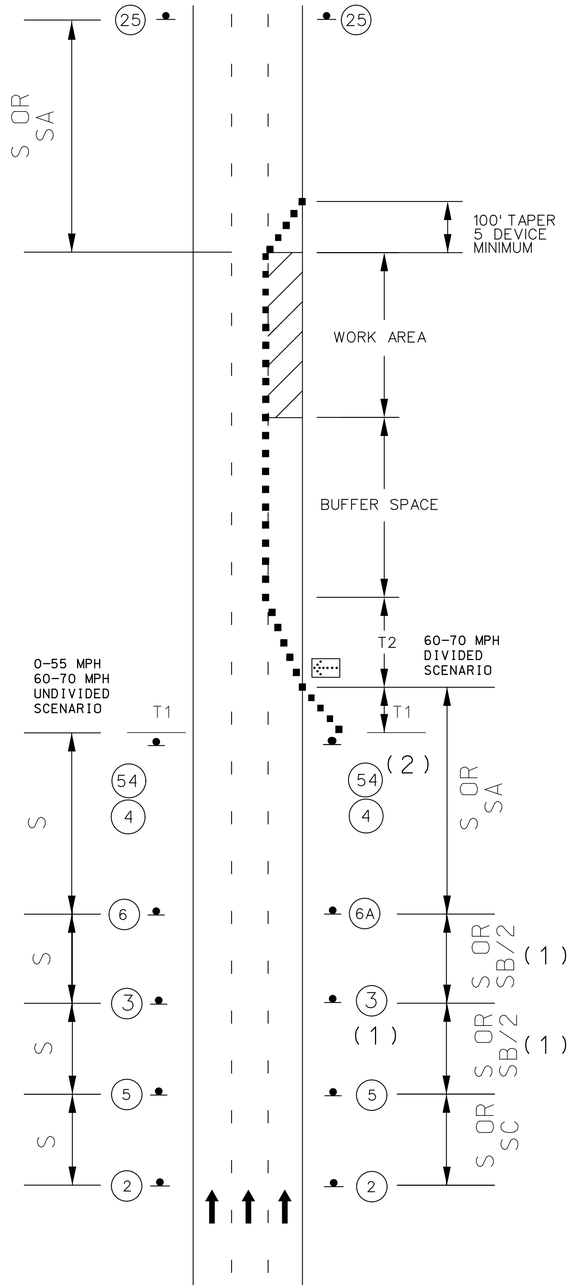
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET
LANE CLOSURE ON 2-LANE ROAD
USING FLAGGERS
SHEET 5 OF 17



TYPICAL LEFT OR RIGHT LANE CLOSURE
MULTI-LANE DIVIDED HIGHWAY











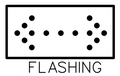














NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

REDUCED SPEED LIMIT SIGNING SHALL BE REMOVED, COVERED, OR TURNED FROM TRAFFIC WHEN CONDITIONS REQUIRING THE REDUCED SPEED NO LONGER EXISTS.

SIGNS SHALL BE PLACED ON BOTH SIDES OF THE ROADWAY FOR DIVIDED ROADWAYS.

ALTERNATIVE TEMPORARY TRAFFIC CONTROL SET-UPS SHOULD BE CONSIDERED WHEN REDUCTION IN CAPACITY CANNOT BE TOLERATED.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

(1) W03-5 (SPEED LIMIT XX AHEAD). THE SIGN IS USED WHEN THE APPROVED SPEED REDUCTION FOR AN IMMEDIATE LOCATION IS GREATER THAN 10 MPH BELOW THE EXISTING OR POSTED SPEED LIMIT.

(2) THE SPEED LIMIT SIGN MAY BE MOVED UPSTREAM, IF THE DISTRICT DEEMS THE WORK ZONE REQUIRES ADVANCE SPEED LIMIT NOTIFICATION.

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL SHEET
LANE CLOSURE MULTI-LANE
REDUCED SPEED WITHIN ADVANCE
WARNING AREA
SHEET 6 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 12:29:59 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	30

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

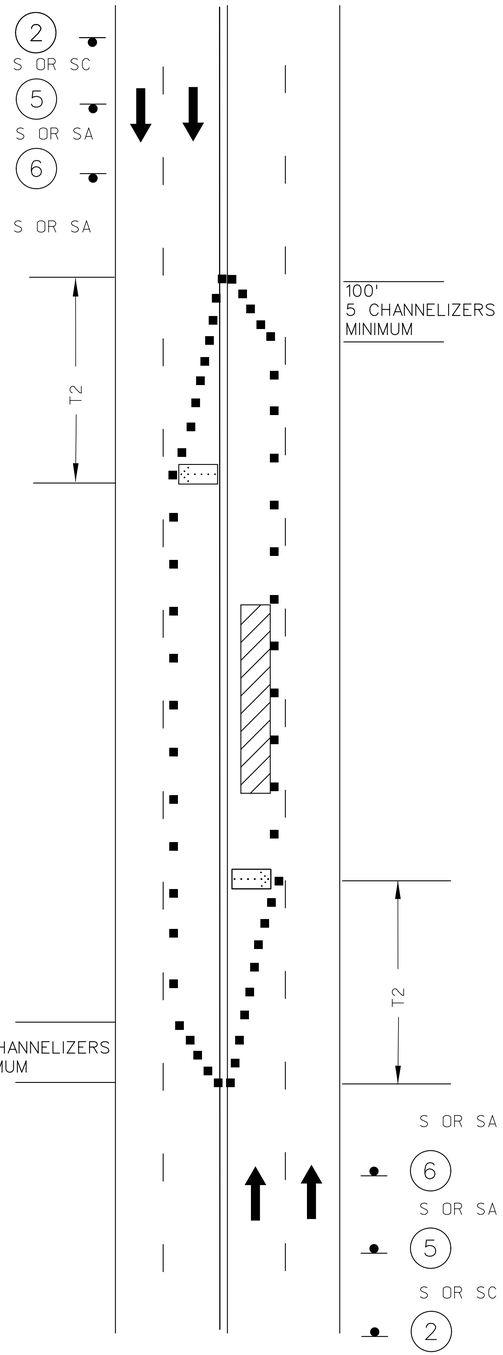
BRIDGE NO.

DESCRIPTION	DATE

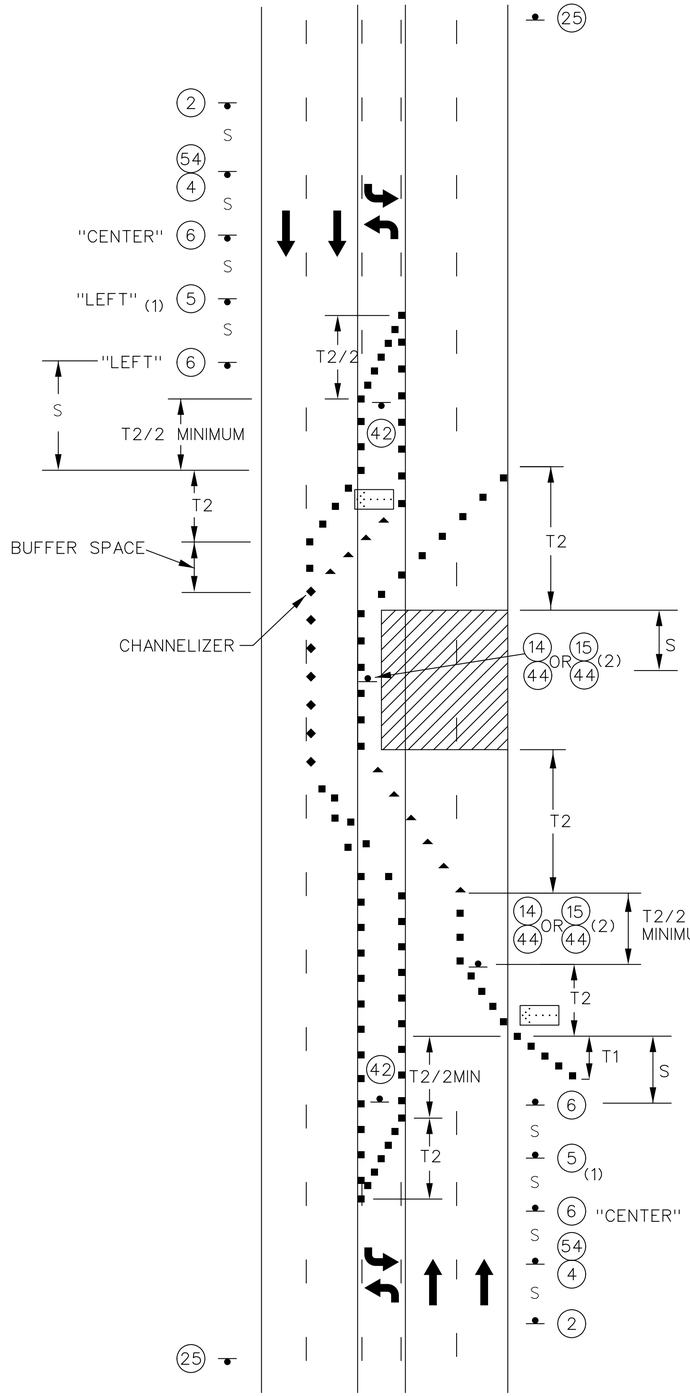
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET
LANE LCOSURE MULTI-LANE
REDUCED SPEED WITHIN ADVANCE
WARNING AREA
SHEET 6 OF 17



LANE CLOSURE ON
MULTI-LANE UNDIVIDED HIGHWAY



TWO LANE CLOSURE ON A
5-LANE UNDIVIDED HIGHWAY

NOTES:

(1) SIGN (5) MAY BE OMITTED IN URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES, AND THE POSTED SPEED LIMIT PRIOR TO CONSTRUCTION IS 45 MPH OR LESS.

(2) SIGN (44) IS ONLY REQUIRED WHERE FULL LENGTH SHIFTING TAPERS CANNOT BE PROVIDED.

(3) SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

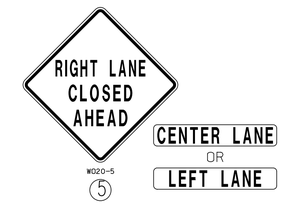
(4) SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

(5) REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

(6) TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

(7) FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS USED IN THE SHIFTING TAPERS AND WHERE TRAFFIC IS GUIDED ACROSS OTHER CONFLICTING PAVEMENT MARKING, ALL OTHER SPACINGS ARE ONE-HALF OF THE TYPICAL SPACING.





















NOT TO SCALE

TEMPORARY TRAFFIC CONTROL SHEET
LANE CLOSURE ON UNDIVIDED
MULTI-LANE HIGHWAY
SHEET 7 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 12:30:12 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/23/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	31

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

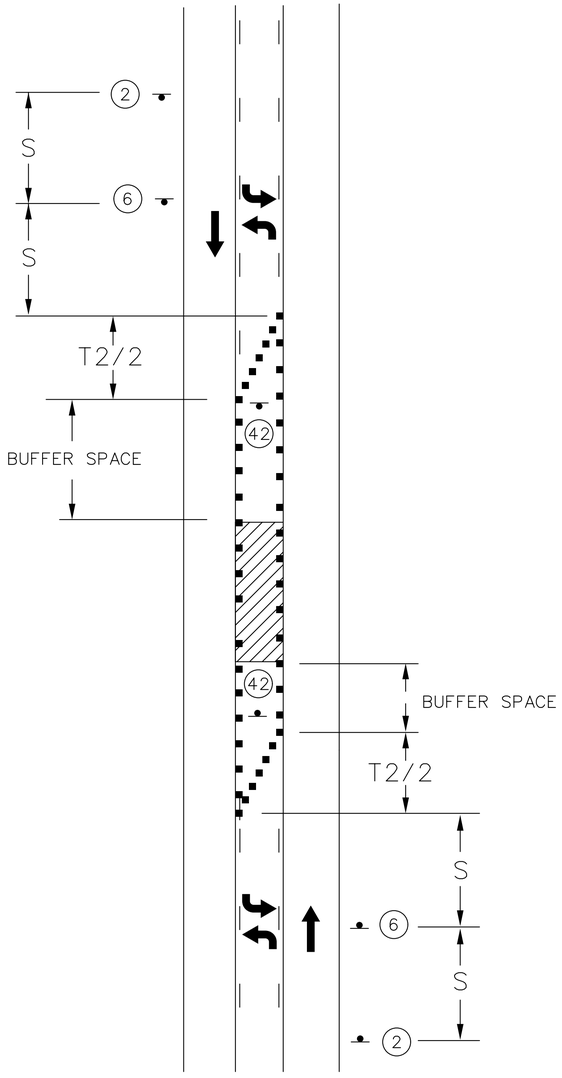
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
LANE CLOSURE ON UNDIVIDED
MULTI-LANE HIGHWAY
SHEET 7 OF 17



TWO-WAY LEFT TURN LANE ON MULTI-LANE
UNDIVIDED HIGHWAYS

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.



W020-1
2



W020-6a
6



R4-7a
42

TEMPORARY TRAFFIC CONTROL SHEET
OPERATIONS IN 2-WAY LEFT TURN
LANE ON MULTI-LANE UNDIVIDED HIGHWAY
SHEET 8 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/24/2025 12:41:41 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	32

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

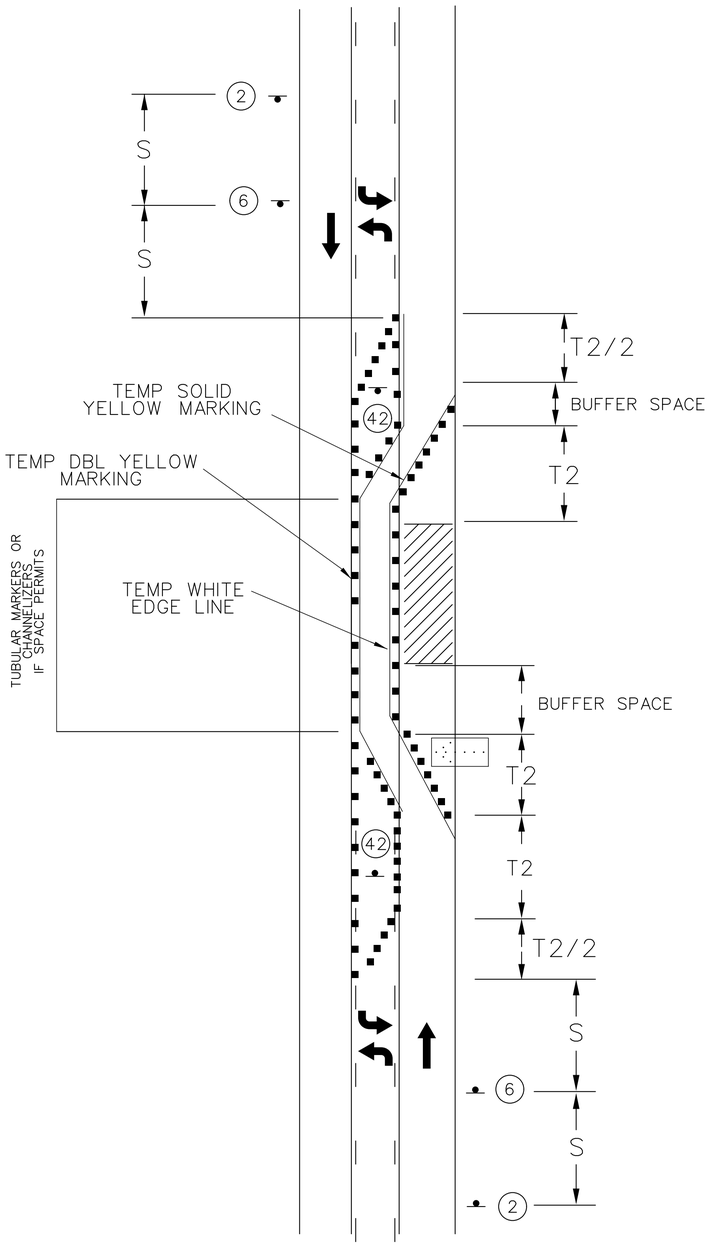
BRIDGE NO.

DESCRIPTION	DATE

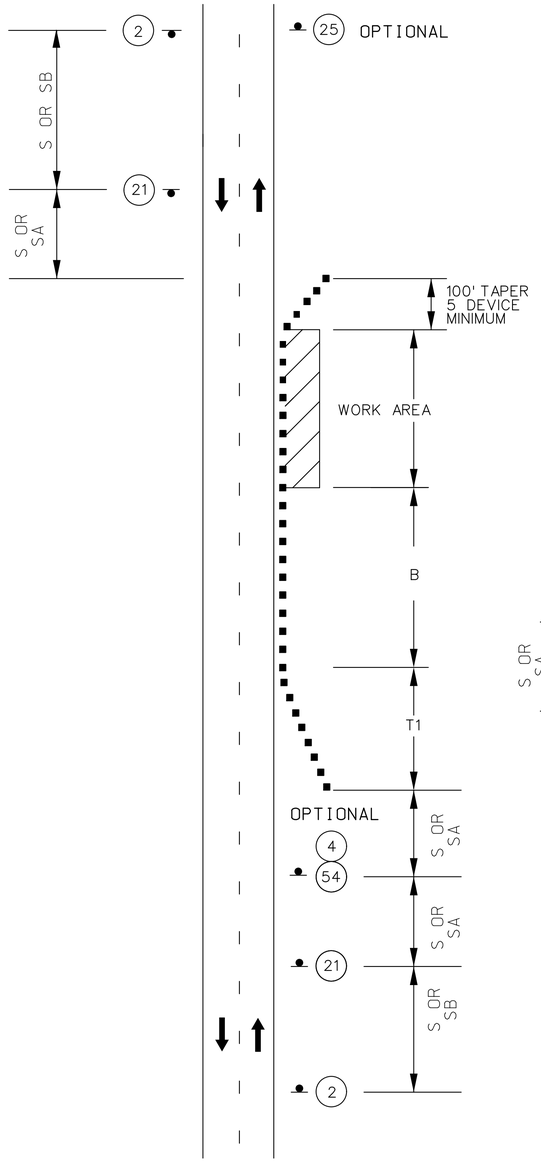
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

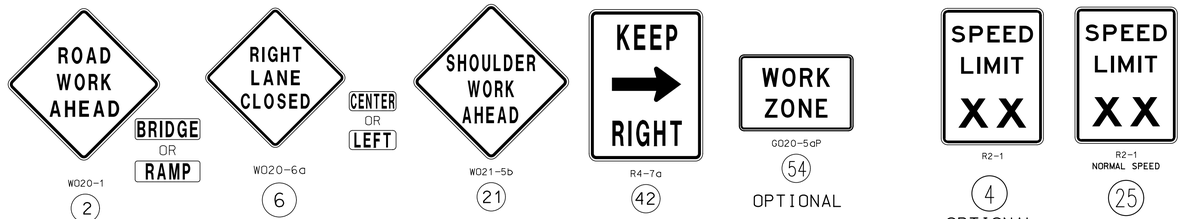
TRAFFIC CONTROL SHEET
OPERATIONS IN 2-WAY LEFT TURN
LANE ON MULTI-LANE UNDIVIDED HIGHWAY
SHEET 8 OF 17



LANE CLOSURE USING CENTER
TURN LANE - LANE SHIFT



WORK ON THE SHOULDER ON DIVIDED
AND UNDIVIDED HIGHWAYS



SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

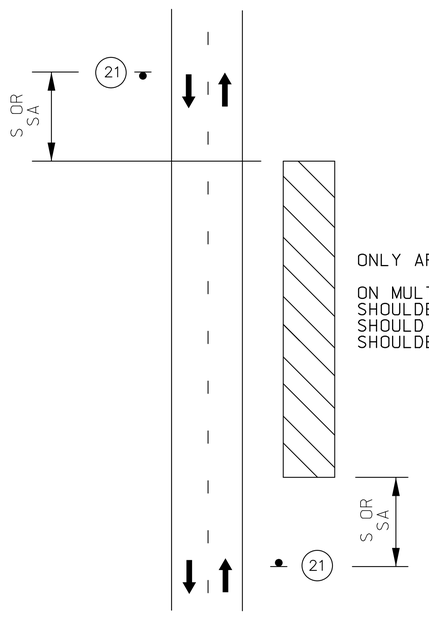
FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASABLE TO MODIFY PAVEMENT MARKING, DEVICE SPACINGS ARE 1/2 OF THE SPACING.

SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.

PROVIDE SIGNS ON LEFT AND RIGHT SIDE OF DIVIDED HIGHWAYS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH -INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

WHEN PAVED SHOULDERS HAVING A WIDTH OF 8 FEET OR MORE ARE CLOSED, AT LEAST ONE ADVANCE WARNING SIGN SHALL BE USED. IN ADDITION, CHANNELIZING DEVICES SHALL BE USED TO CLOSE THE SHOULDER IN ADVANCE TO DELINEATE THE BEGINNING OF THE WORK SPACE AND DIRECT VEHICULAR TRAFFIC TO REMAIN WITHIN THE TRAVELED WAY.



ONLY APPLICABLE WHEN WORK IS WITHIN THE CLEAR ZONE.

ON MULTI-LANE, DIVIDED HIGHWAYS SIGNS ADVISING OF SHOULDER WORK OR THE CONDITION OF THE SHOULDER SHOULD BE PLACED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.

WORK BEYOND SHOULDER

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL SHEET
LANE CLOSURE USING CENTER
TURN LANE - LANE SHIFT
WORK BEYOND SHOULDER
SHOULDER WORK
SHEET 9 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 12:42:03 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	33

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

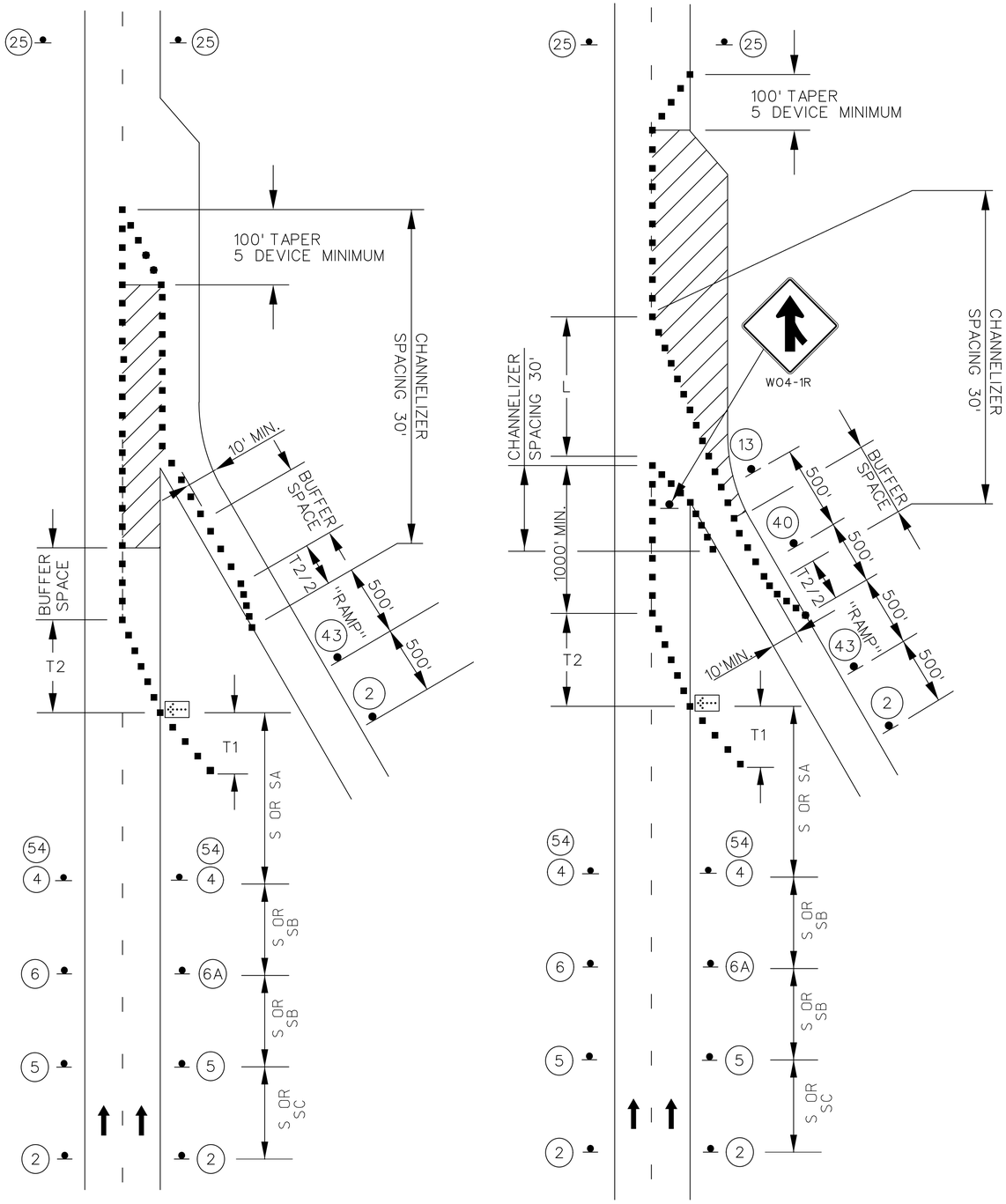
BRIDGE NO.

DATE	DESCRIPTION

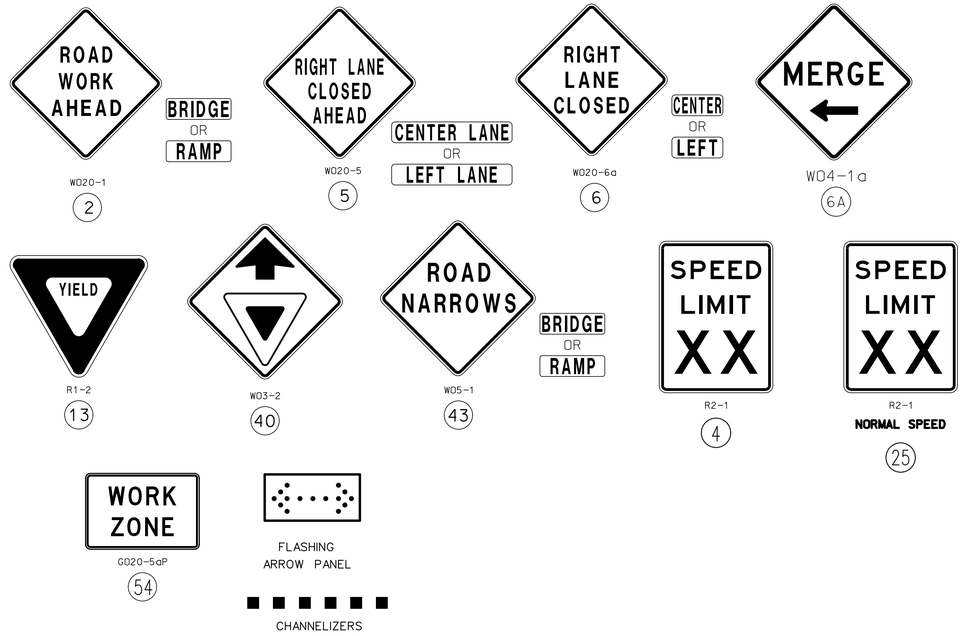
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET
LANE CLOSURE USING CENTER
TURN LANE - LANE SHIFT
SHEET 9 OF 17



LANE CLOSURE
ENTRANCE RAMP AREAS



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED.

YEILD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC. WHERE INADEQUATE ACCELERATION DISTANCE EXISTS FOR THE TEMPORARY ENTRANCE, THE YIELD SIGN SHALL BE REPLACED WITH STOP SIGNS (ONE EACH SIDE OF THE APPROACH).

THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORISTS ON THE RAMP.

THE YEILD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC.

FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVER NIGHT, USE TRIM-LINE CHANNELIZERS.

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL SHEET
WORK IN VICINITY OF
ENTRANCE RAMP
SHEET 10 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 12:42:18 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	34

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

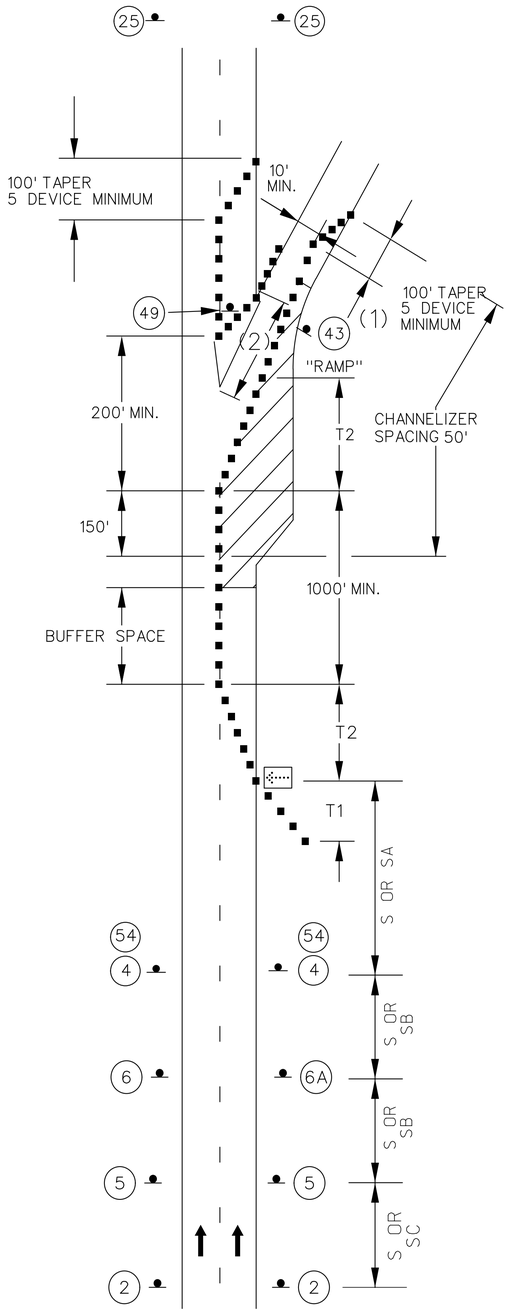
PROJECT NO.

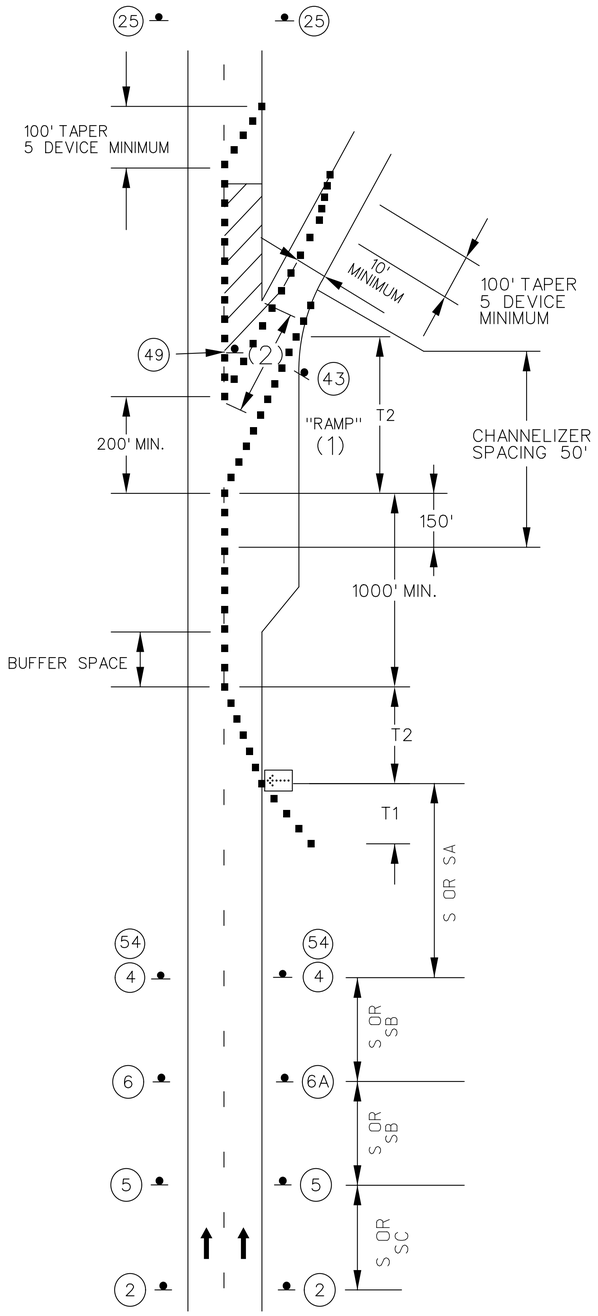
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
WORK IN VICINITY OF
ENTRANCE RAMP
SHEET 10 OF 17





WORK IN THE VICINITY
OF A EXIT RAMP AREAS



CENTER
OR
LEFT

W020-6a
6



BRIDGE
OR
RAMP

W020-1
2

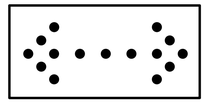


CENTER LANE
OR
LEFT LANE

W020-5
5



W04-1a
6A



FLASHING
ARROW PANEL



BRIDGE
OR
RAMP

W05-1
43



E05-1
49



G020-5aP
54



CHANNELIZERS



R2-1
4



R2-1
NORMAL SPEED
25

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

(1). SIGN (43) REQUIRED WHEN RAMP WIDTH IS REDUCED.

(2). FIVE CHANNELIZER DEVICE MINIMUM.

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL SHEET
WORK IN VICINITY
OF EXIT RAMP
SHEET 11 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/04/2025 12:42:35 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	35

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

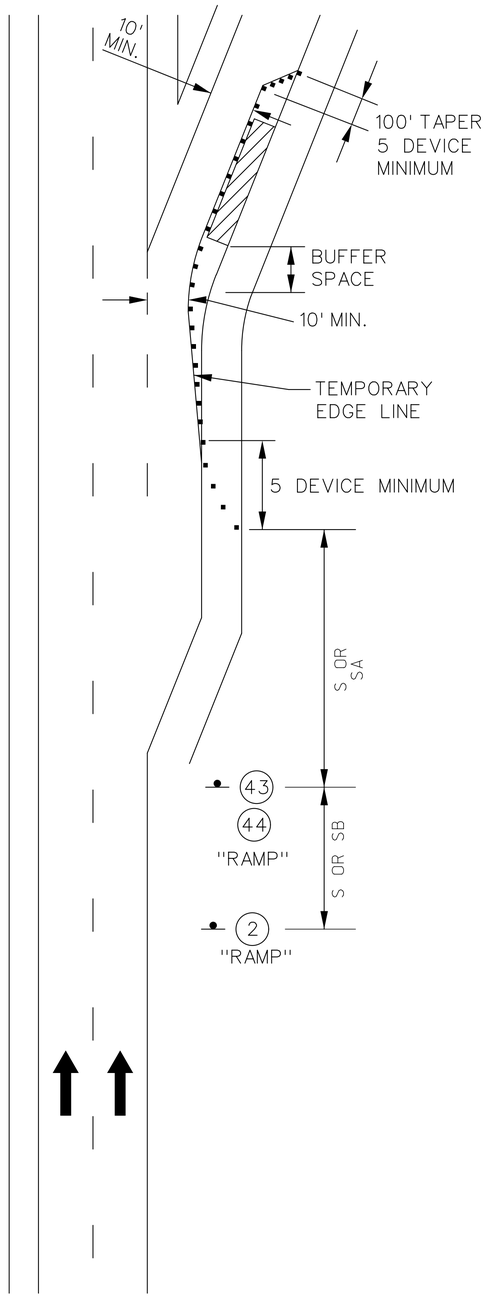
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET
WORK IN VICITY
OF EXIT RAMP
SHEET 11 OF 17



PARTIAL LANE

LANE CLOSURE
PARTIAL RAMP CLOSURE



WO20-1
(2)



WO5-1
(43)



WO13-1
(44)

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL SHEET
PARTIAL CLOSURE
EXIT RAMP
SHEET 12 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/24/2025 12:42:51 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	36

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

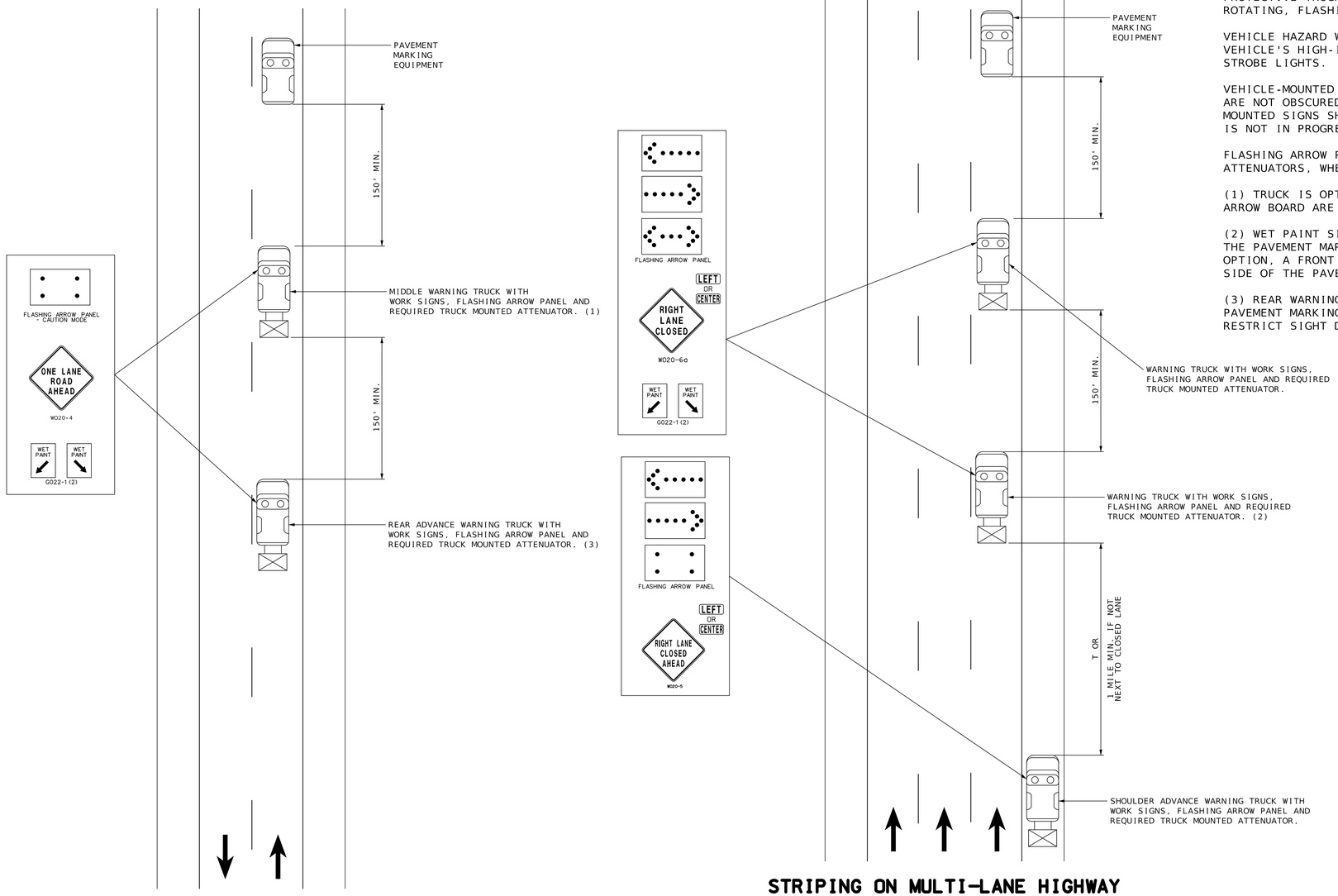
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET
PARTIAL CLOSURE
EXIT RAMP
SHEET 12 OF 17

NOT TO SCALE



STRIPING ON TWO-LANE HIGHWAY

STRIPING ON MULTI-LANE HIGHWAY

NOTES:

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCKS 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.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

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 ARE 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 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, WHICHEVER IS GREATER.

SPEED	SPACING
PERMANENT POSTED (MPH)	LENGTH T (FT)
≤ 35	245
40-45	540
50-55	660
60-70	840

NOT TO SCALE

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

TEMPORARY TRAFFIC CONTROL
STRIPING ON TWO-LANE HIGHWAY
STRIPING ON MULTI-LANE HIGHWAY
SHEET 13 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 12:43:05 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	37

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

TRAFFIC CONTROL SHEET
STRIPING ON TWO-LANE HIGHWAY
AND ON MULTI-LANE HIGHWAY
SHEET 13 OF 17

PUBLIC ROAD CROSSING ANOTHER ROAD UNDER CONSTRUCTION







(1) ROAD WORK AHEAD SIGN REQUIRED FOR ALL PUBLIC ROAD APPROACHES TO THE WORK ZONE. IF NO FLAGGER REQUIRED, THEN ROAD WORK AHEAD SIGNS ARE LOCATED "S" OR "SA" FEET FROM THE INTERSECTION.

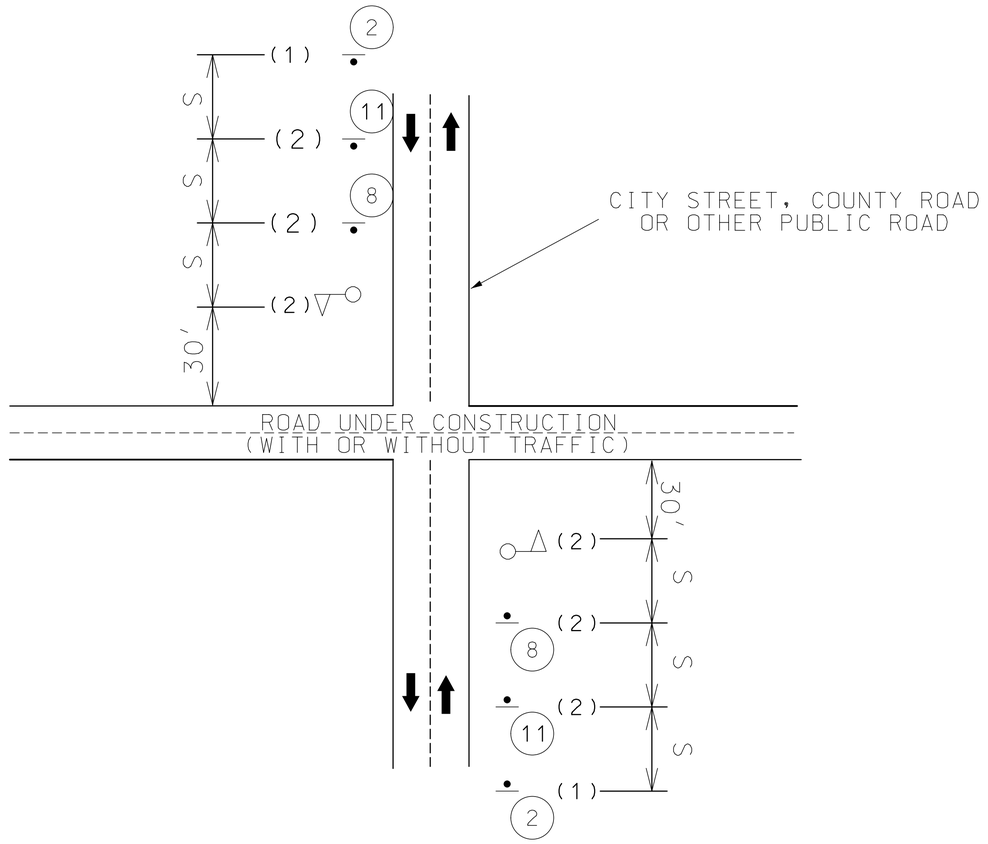
(2) FLAGGER AND SIGNING ONLY REQUIRED WHERE EQUIPMENT IS CROSSING THE ROAD OR OTHER CONDITIONS REQUIRING FLAGGER CONTROL EXIST.

ADDITIONAL SIGNING MAY BE REQUIRED BASED ON WORK ZONE ACTIVITIES.

IF USED AT NIGHT, THE FLAGGER SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOTCANDLES (6.5 LUX).

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELEINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.



NOT TO SCALE

TEMPORARY TRAFFIC CONTROL SHEET
PUBLIC ROAD CROSSING ROAD
UNDER CONSTRUCTION
SHEET 14 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 12:43:20 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/23/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	38

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

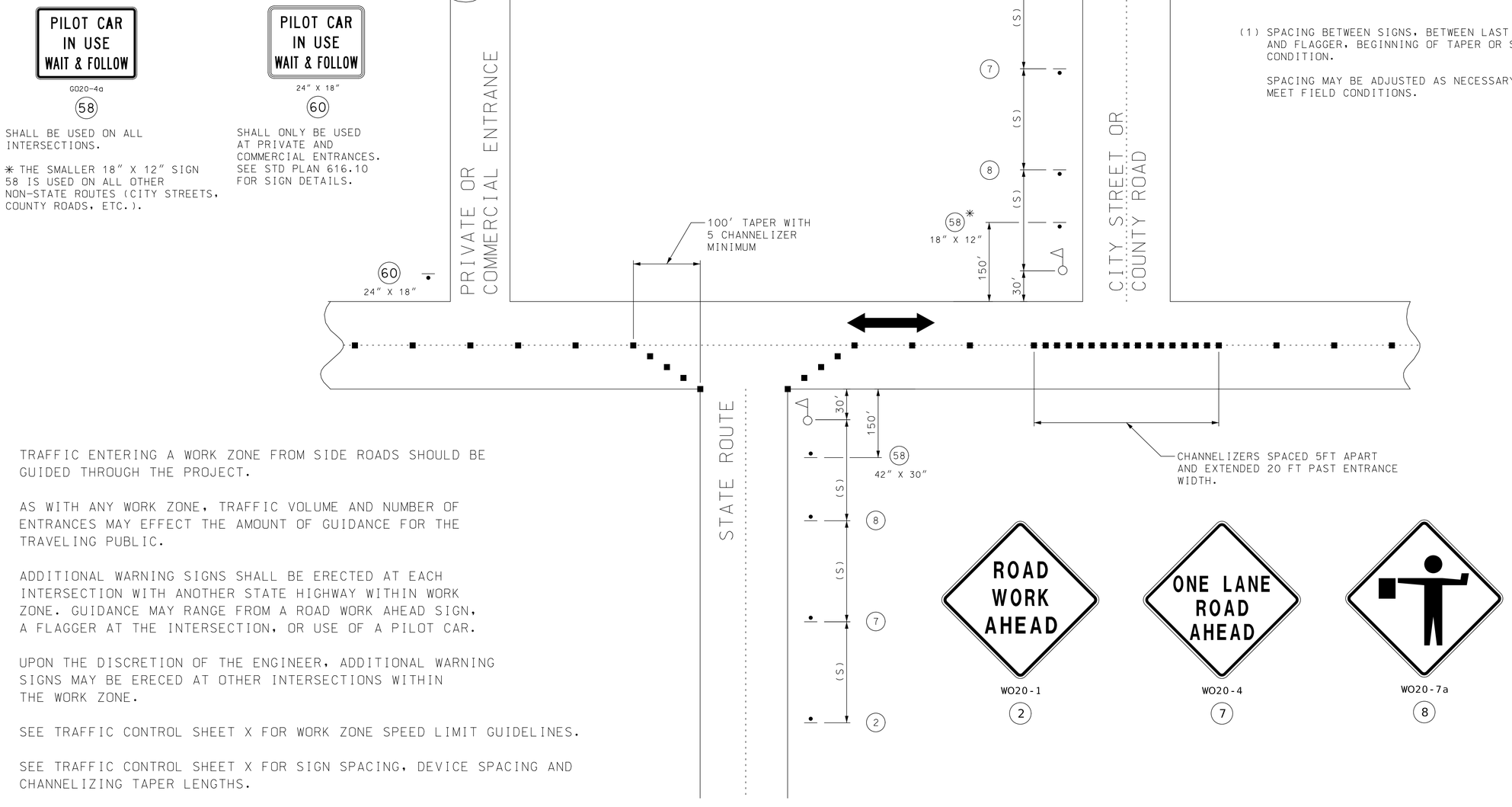
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
PUBLIC ROAD CROSSING ROAD
UNDER CONSTRUCTION
SHEET 14 OF 17



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.

58 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.).

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

TRAFFIC ENTERING A WORK ZONE FROM SIDE ROADS SHOULD BE GUIDED THROUGH THE PROJECT.

AS WITH ANY WORK ZONE, TRAFFIC VOLUME AND NUMBER OF ENTRANCES MAY EFFECT THE AMOUNT OF GUIDANCE FOR THE TRAVELING PUBLIC.

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN WORK ZONE. GUIDANCE MAY RANGE FROM A ROAD WORK AHEAD SIGN, A FLAGGER AT THE INTERSECTION, OR USE OF A PILOT CAR.

UPON THE DISCRETION OF THE ENGINEER, ADDITIONAL WARNING SIGNS MAY BE ERECED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE.

SEE TRAFFIC CONTROL SHEET X FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET X FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

NOT TO SCALE

SIDE ROADS ENTERING WORK ZONES

TEMPORARY TRAFFIC CONTROL SHEET
SIDE ROADS ENTERING WORK ZONES
SHEET 15 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/04/2025 12:43:33 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	39

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

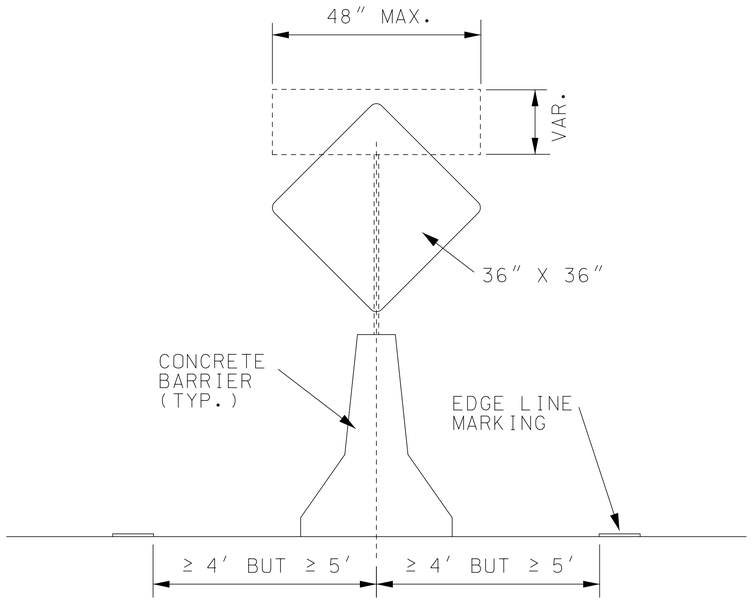
PROJECT NO.

BRIDGE NO.

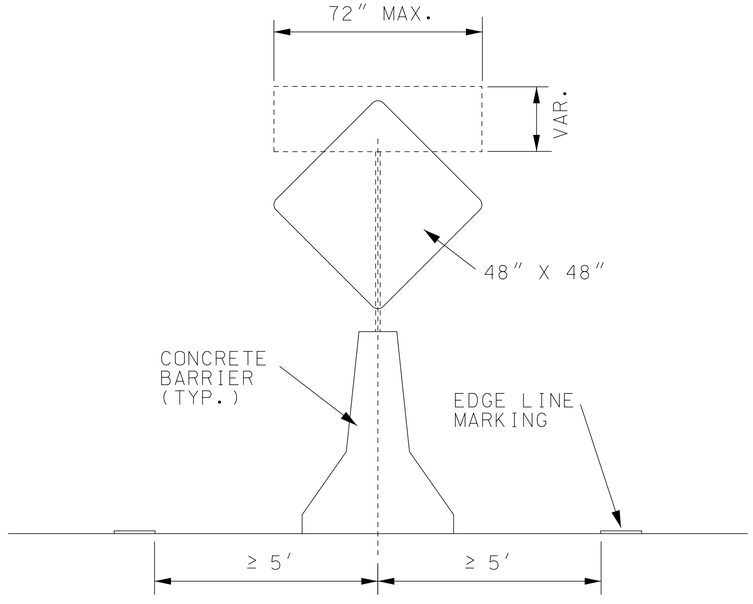
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
SIDE ROADS ENTERING WORK ZONES
SHEET 15 OF 17



STANDARD 36" WARNING SIGN



STANDARD 48" WARNING SIGN

SIGNS IN NARROW MEDIANS

NOT TO SCALE

48" X 48" DIAMOND-SHAPED WARNING SIGNS SHALL BE USED WHENEVER POSSIBLE.
RECTANGULAR SIGNS SHALL NOT BE USED IN LIEU OF DIAMON-SHAPED WARNING SIGNS.

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/04/2025 12:43:49 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	40

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

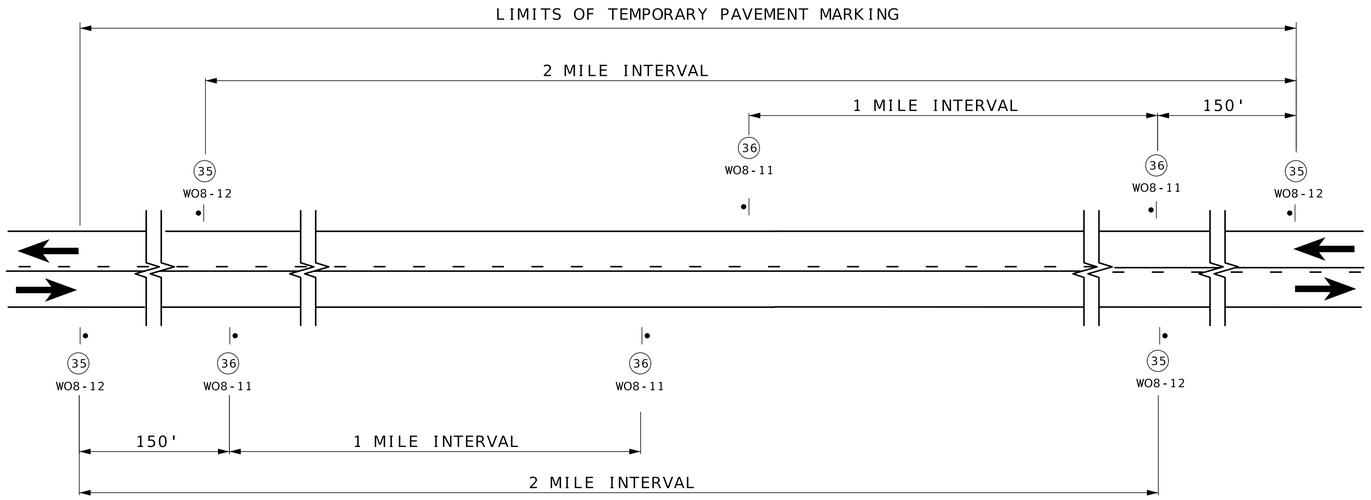
PROJECT NO.

BRIDGE NO.

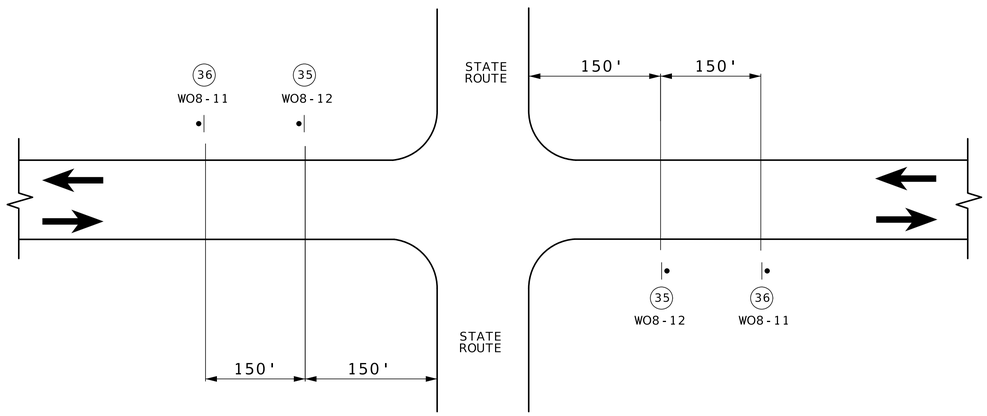
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
SIGNS WITHIN NARROW MEDIANS
SHEET 16 OF 17



SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS
SHOWING TEMPORARY STRIPING FOR MAINLINE



WO8-12
35



WO8-11
36

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

TEMPORARY TRAFFIC CONTROL SHEET
UNEVEN LANES AND NO CENTER LINE
SHEET 17 OF 17

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/24/2025 12:44:02 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	41

COUNTY
CAMDEN

JOB NO.
J5P3554

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

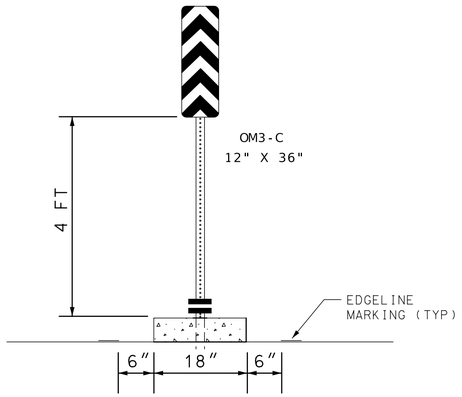
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

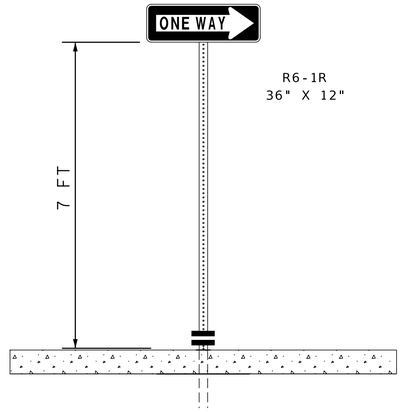
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
UNEVEN LANES AND NO CENTER LINE
SHEET 17 OF 17

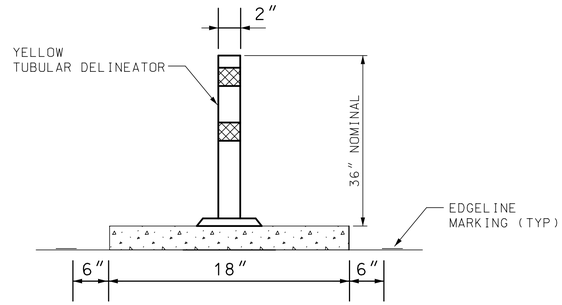
SEE STD 903.03 FOR BREAKAWAY AND FOOTING DETAILS



MOUNTING HEIGHT
OM3-C – OBJECT MARKER – CENTER



MOUNTING HEIGHT
R6-1R – ONE WAY



36 INCH SURFACE-MOUNT DELINEATOR POST

SEE STD 903.03 FOR DELINEATOR MOUNTING DETAILS

SIGNS						CONCRETE FOOTINGS EMBEDDED	PERFORATED SQUARE STEEL TUBE 2.5-INCH POST						EFFECTIVE: 07-01-2024
902 SIGNAL SIGNS TABULATED ON D-37A SHEET									TOTAL	2.25" INSERT (6 FT)	ANCHORS DRIVEN 7 GA.	ANCHORS CONCRETE 7 GA.	BREAK-AWAY ASSEMBLY	
SIGN OR SIGN SET NO.	SIGN SIZE	STATION OR LOG MILE	HORIZ CLEAR IF NOT STD	LOCATION	SIGN DTL SHT NO.	ITEM NO. 9031010	POST NO.1	POST NO.2	ITEM NO. 9031280	ITEM NO. 9031272A	ITEM NO. 9031281A	ITEM NO. 9031285	ITEM NO. 9031241	REMARKS AND OTHER REQUIRED ITEMS
						CY	LF	LF	LF	EACH	EACH	EACH	EACH	
1	36"X12"	161.013		54WB LT			11		11			1	1	
2	12"X36"	161.022		54WB LT			10		10			1	1	
				SUBTOTAL					21			2	2	
				TOTAL					21			2	2	

STANDARD SIGN ASSEMBLIES											
			SIGN, DESIGNATION, SIZE & NUMBER OF EACH								
SIGN OR SIGN SET NO.	STATION OR LOG MILE	LOCATION	ONE WAY R6-1R 36"X12"	OM3-C 12"X36"							
1	161.013	54WB LT	1								
2	161.022	54WB LT		1							
		SUBTOTAL	1	1							

SIGN SUMMARY					EFFECTIVE: 10-01-2016			
					TYPE & SQUARE FEET			
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A
R6-1R		1	36"x12"	3			
OM3-C		1	12"X36"		3		
			SUBTOTAL	3	3		

*ORANGE, YELLOW AND YELLOW-GREEN

NOT TO SCALE

SIGNING SHEET
SHEET 1 OF 1

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/24/2025 12:44:19 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/21/2025

ROUTE	STATE
54/KK	MO
DISTRICT	SHEET NO.
CD	42

COUNTY
CAMDEN

JOB NO.
J5P3554

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)

SIGNING SHEET
SHEET 1 OF 1

DESIGN DESIGNATION

A.A.D.T. - 2023 = 7509

T = 11%

V = 45 M.P.H.

FUNCTIONAL CLASSIFICATION - MINOR ARTERIAL

NO NEW RIGHT OF WAY

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	UTV	UTV
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	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	V	
WOVEN WIRE	X	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

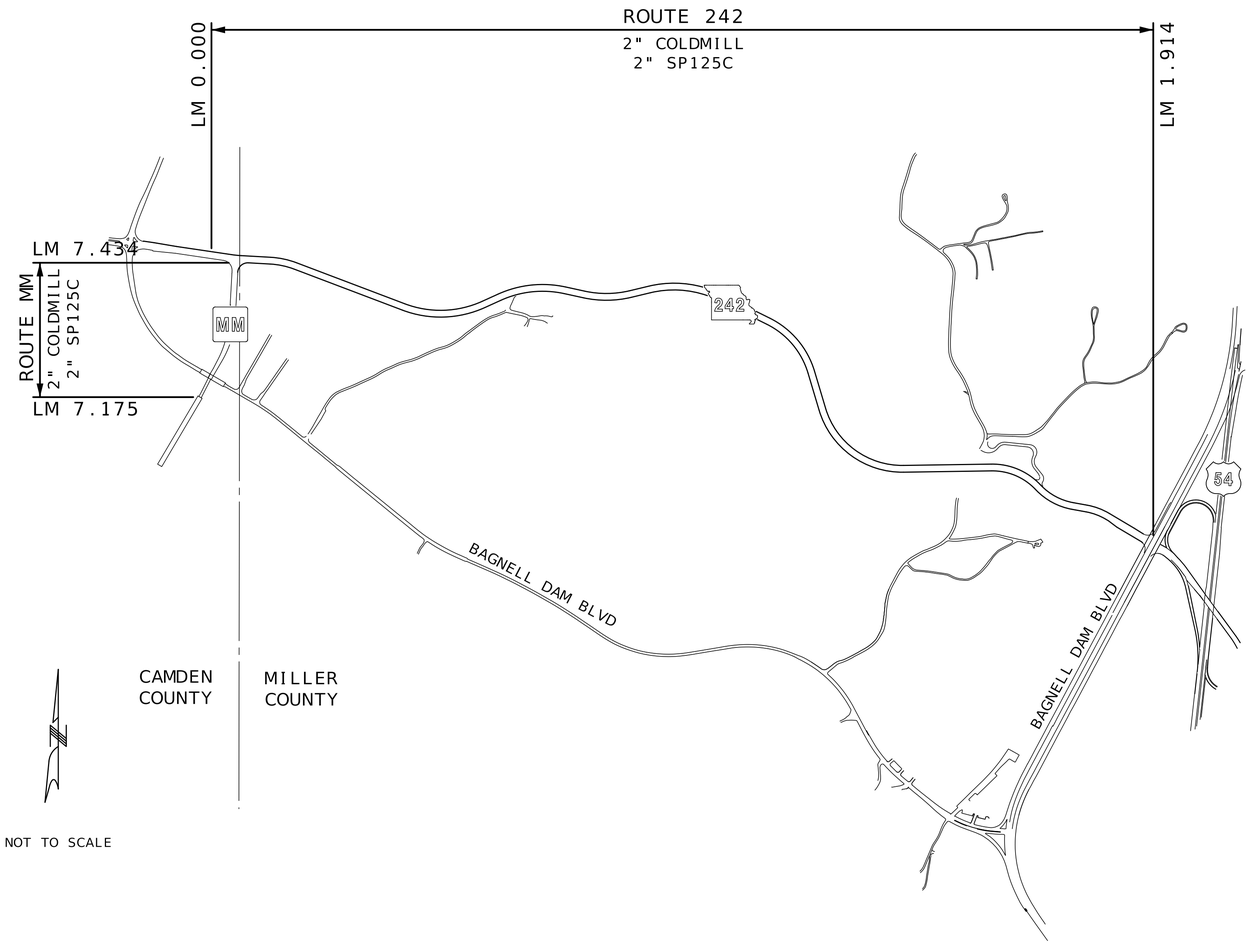
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

CAMDEN/MILLER COUNTY



KEY MAP
LOCATION OF CAMDEN/MILLER COUNTY



NOT TO SCALE

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) (3 SHEETS)	2
QUANTITIES (QU) (5 SHEETS)	3
SPECIAL SHEETS (SS)	4-5
TRAFFIC CONTROL SHEETS (TC)	6-11
PAVEMENT MARKING (PM)	12-14

LENGTH OF PROJECT

ROUTE 242

BEGINNING OF PROJECT	LM 0.000	
END OF PROJECT	LM 1.914	
APPARENT LENGTH	10,105.92	FEET
EQUATIONS AND EXCEPTIONS:	NONE	

ROUTE MM

BEGINNING OF PROJECT	LM 7.175	
END OF PROJECT	LM 7.434	
APPARENT LENGTH	1,367.52	FEET
EQUATIONS AND EXCEPTIONS:	NONE	

TOTAL CORRECTIONS	0.00	FEET
NET LENGTH OF PROJECT	11,473.44	FEET
STATE LENGTH	2.173	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0	ACRES

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
08/10/2025 12:32:15 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED: 8/25/2025

ROUTE	STATE
242/MM	MO

DISTRICT	SHEET NO.
CD	1

COUNTY: CAMDEN/MILLER

JOB NO.: JCD0200

CONTRACT ID.:

PROJECT NO.:

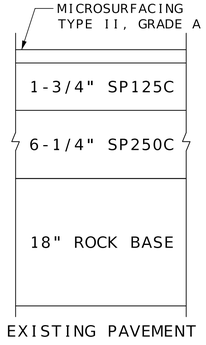
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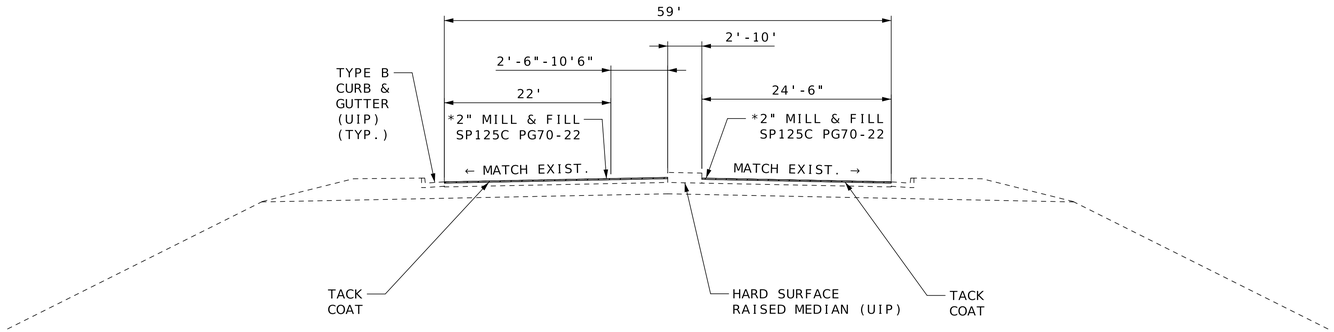
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

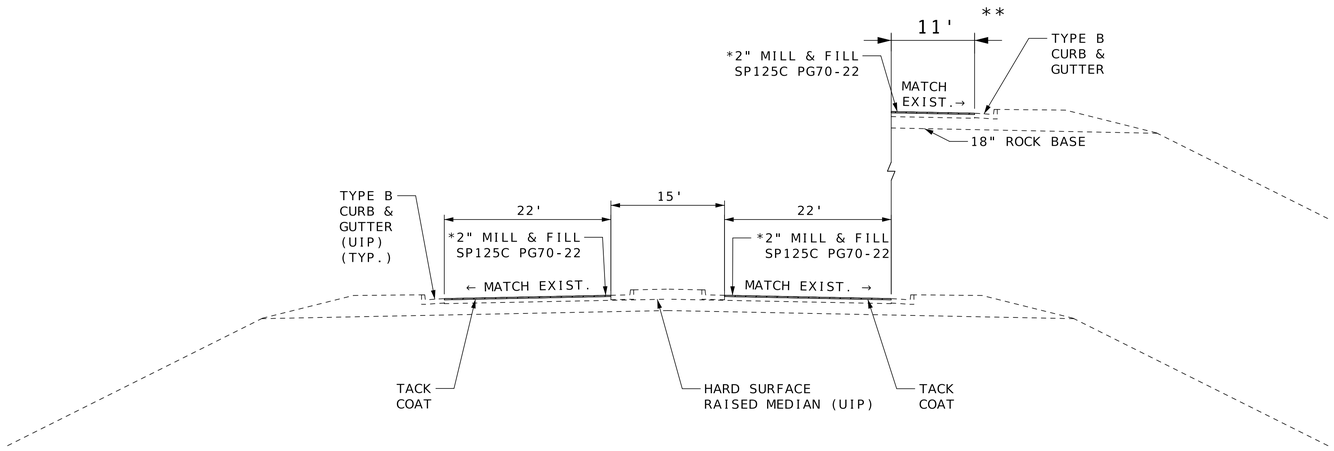
TITLE SHEET





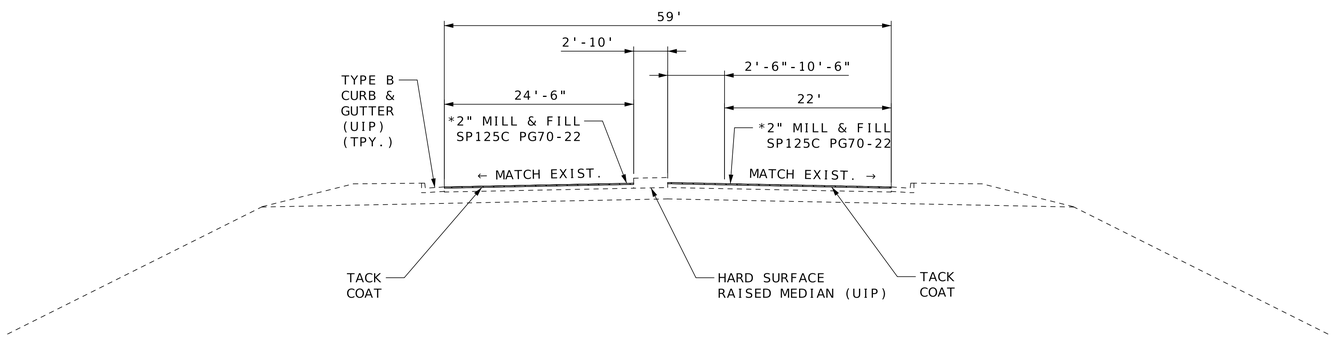
ROUTE 242

EB LM 0.026 TO EB LM 0.080
EB LM 0.285 TO EB LM 0.361
EB LM 0.695 TO EB LM 0.752
EB LM 0.862 TO EB LM 0.919
EB LM 1.337 TO EB LM 1.384
EB LM 1.771 TO EB LM 1.819



ROUTE 242

EB LM 0.080 TO EB LM 0.182
EB LM 0.361 TO EB LM 0.594
EB LM 0.752 TO EB LM 0.786
EB LM 0.919 TO EB LM 1.268
EB LM 1.384 TO EB LM 1.587
EB LM 1.657 TO EB LM 1.705
**EB LM 1.819 TO EB LM 1.869



ROUTE 242

EB LM 0.182 TO EB LM 0.258
EB LM 0.594 TO EB LM 0.669
EB LM 0.786 TO EB LM 0.843
EB LM 1.268 TO EB LM 1.316
EB LM 1.587 TO EB LM 1.643
EB LM 1.705 TO EB LM 1.752

SP125C (PG70-22)	1.927 TONS/CY
TACK COAT- COLDMILLED SURFACE	0.10 GAL/SY

*MILL DEPTH SHALL VARY TO INCLUDE ENTIRE EXISTING SP125C DEPTH

REFER TO SUMMARY OF QUANTITIES
FOR WIDTH TRANSITION LIMITS

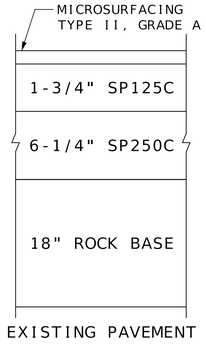
STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 1:26:54 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

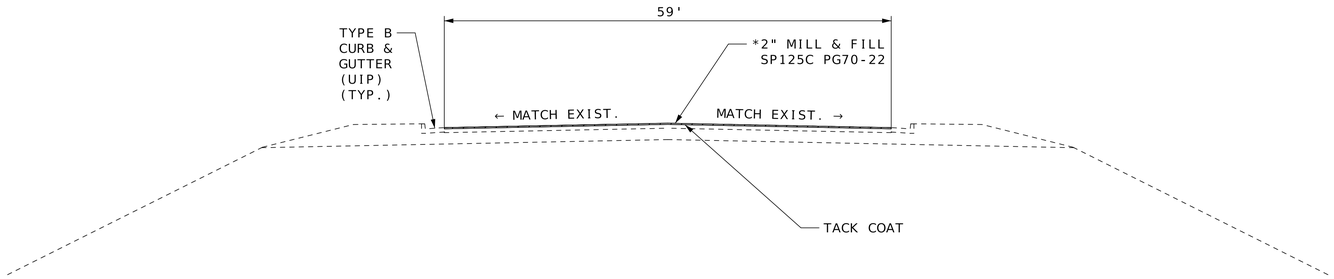
DATE PREPARED: 7/28/2025
ROUTE: 242/MM
STATE: MO
DISTRICT: CD
SHEET NO.: 2
COUNTY: CAMDEN/MILLER
JOB NO.: JCD0200
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

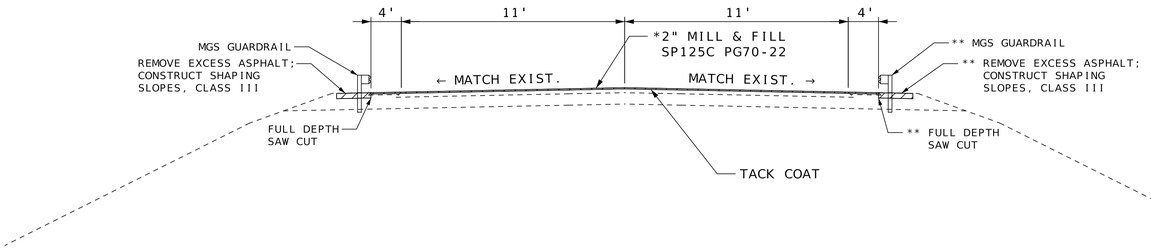
TYPICAL SECTION
SHEET 1 OF 4





ROUTE 242

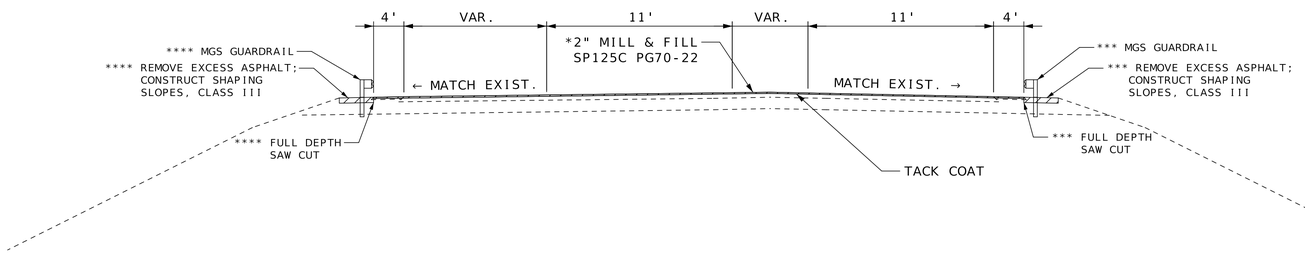
EB LM 0.258 TO EB LM 0.285
EB LM 0.669 TO EB LM 0.695
EB LM 0.843 TO EB LM 0.862
EB LM 1.316 TO EB LM 1.337
EB LM 1.643 TO EB LM 1.657
EB LM 1.752 TO EB LM 1.771



ROUTE MM

EB LM 7.175 TO EB LM 7.235

**EB LM 7.218 TO EB LM 7.235



ROUTE MM

EB LM 7.235 TO EB LM 7.352

***EB LM 7.235 TO EB LM 7.332

****EB LM 7.235 TO EB LM 7.243

SP125C (PG70-22)	1.927 TONS/CY
TACK COAT- COLDMILLED SURFACE	0.10 GAL/SY

*MILL DEPTH SHALL VARY TO INCLUDE ENTIRE EXISTING SP125C DEPTH

REFER TO SUMMARY OF QUANTITIES
FOR WIDTH TRANSITION LIMITS

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 1:27:34 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
CAMDEN/MILLER

JOB NO.
JCD0200

CONTRACT ID.

PROJECT NO.

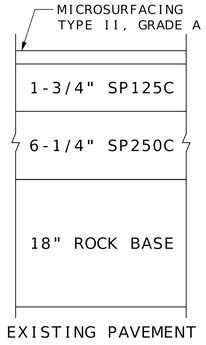
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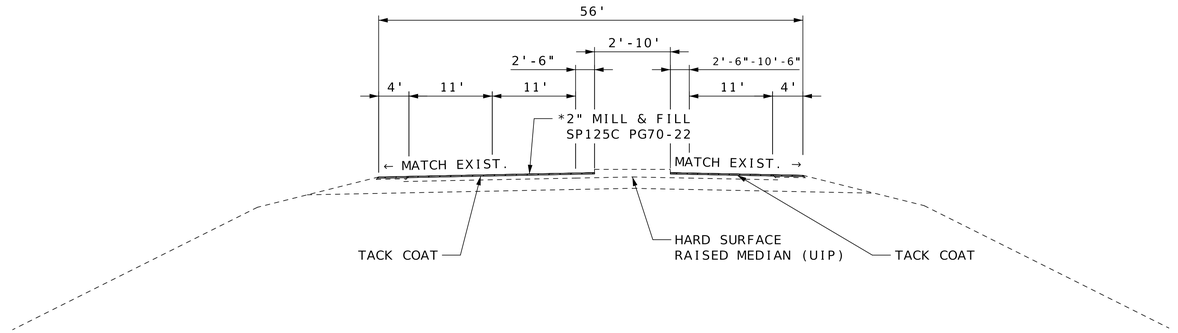
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

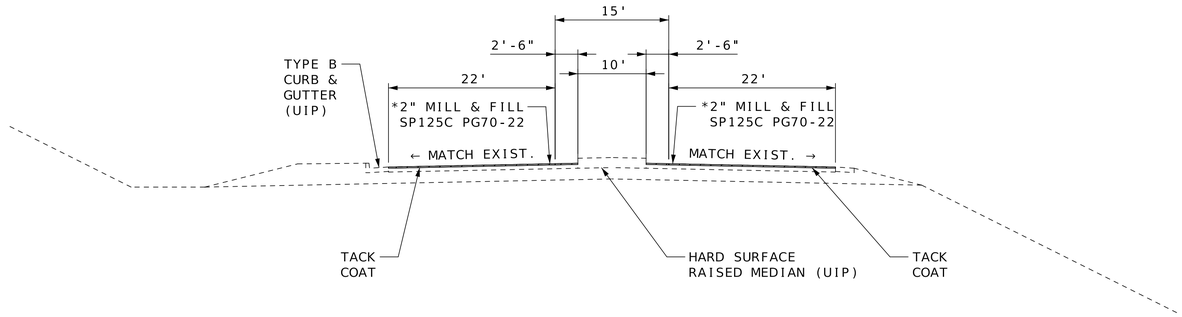
TYPICAL SECTION
SHEET 2 OF 4





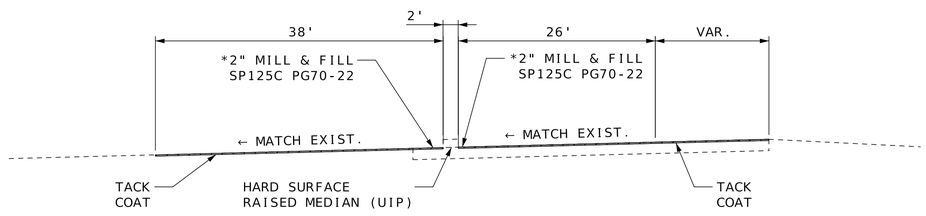
ROUTE MM

EB LM 7.352 TO EB LM 7.414



HORSESHOE BEND PKWY

EB LM 0.396 TO EB LM 0.420



BAGNELL DAM BLVD

SB LM 4.922 TO SB LM 4.992

SP125C (PG70-22)	1.927 TONS/CY
TACK COAT- COLDMILLED SURFACE	0.10 GAL/SY

*MILL DEPTH SHALL VARY TO INCLUDE ENTIRE EXISTING SP125C DEPTH

REFER TO SUMMARY OF QUANTITIES
FOR WIDTH TRANSITION LIMITS

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 1:56:10 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	2

COUNTY
CAMDEN/MILLER

JOB NO.
JCD0200

CONTRACT ID.

PROJECT NO.

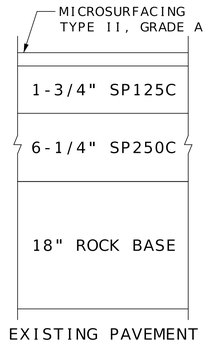
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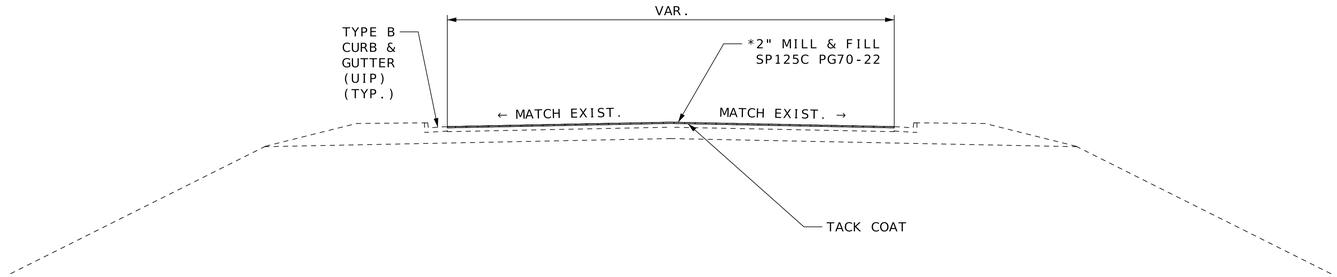
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TYPICAL SECTION
SHEET 3 OF 4





IRREGULAR AREAS

EB LM 0.420 (HORSESHOE BEND PKWY)
TO
EB LM 0.026 (ROUTE 242)

EB LM 1.869 (ROUTE 242)
TO
EB LM 1.914 (ROUTE 242)

SP125C (PG70-22)	1.927 TONS/CY
TACK COAT- COLDMILLED SURFACE	0.10 GAL/SY

*MILL DEPTH SHALL VARY TO INCLUDE ENTIRE EXISTING SP125C DEPTH

REFER TO SUMMARY OF QUANTITIES
FOR WIDTH TRANSITION LIMITS

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 1:29:15 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED: 7/28/2025
ROUTE: 242/MM | STATE: MO
DISTRICT: CD | SHEET NO.: 2
COUNTY: CAMDEN/MILLER
JOB NO.: JCD0200
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)

TYPICAL SECTION
SHEET 4 OF 4

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING & 2IN. ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP125C MIX)

ROUTE	DIRECTION	LOG MILE FROM	LOG MILE TO	LENGTH (FT)	AVERAGE WIDTH (FT)	AREA (SF)	ASPHALTIC CONCRETE MIX 1.927 TON/CUYD (TONS)	TACK COAT 0.10 GAL/SY (GAL)	COLDMILLING (3IN. THICK OR LESS) (SY)	REMARKS
HORSESHOE BEND PKWY	EB	0.396	0.421	127	49	6223	74.02	69.1	691.4	FROM START TO IRREGULAR 1
IRREGULAR 1	-	-	-	-	-	22035	262.11	244.8	2448.3	SEE SPECIAL SHEET
242	EB	0.026	0.061	184.87	57	10537.59	125.35	117.1	1170.8	FROM IRREGULAR 1 TO END OF TAPER
242	EB	0.061	0.080	100	53.5	5350	63.64	59.4	594.4	FROM START TURN LANE TO MEDIAN
242	EB	0.080	0.182	540	44	23760	282.63	264.0	2640.0	IN BETWEEN START OF TAPERS
242	EB	0.182	0.201	100	53.5	5350	63.64	59.4	594.4	FROM MEDIAN TO END OF TAPER
242	EB	0.201	0.258	300	57	17100	203.41	190.0	1900.0	FROM END OF TAPER TO END OF TURN LANE
242	EB	0.258	0.285	145	59	8555	101.76	95.1	950.6	IN BETWEEN END OF TURN LANES
242	EB	0.285	0.342	300	57	17100	203.41	190.0	1900.0	FROM END OF TURN LANE TO END OF TAPER
242	EB	0.342	0.361	100	53.5	5350	63.64	59.4	594.4	FROM END OF TAPER TO MEDIAN
242	EB	0.361	0.594	1227.5	44	54010	642.45	600.1	6001.1	IN BETWEEN START OF TAPERS
242	EB	0.594	0.613	100	53.5	5350	63.64	59.4	594.4	FROM MEDIAN TO END OF TAPER
242	EB	0.613	0.669	300	57	17100	203.41	190.0	1900.0	FROM END OF TAPER TO END OF TURN LANE
242	EB	0.669	0.695	135	59	7965	94.74	88.5	885.0	IN BETWEEN END OF TURN LANES
242	EB	0.695	0.733	200	57	11400	135.60	126.7	1266.7	FROM END OF TURN LANE TO END OF TAPER
242	EB	0.733	0.752	100	53.5	5350	63.64	59.4	594.4	FROM END OF TAPER TO MEDIAN
242	EB	0.752	0.786	182.5	44	8030	95.52	89.2	892.2	IN BETWEEN START OF TAPERS
242	EB	0.786	0.805	100	53.5	5350	63.64	59.4	594.4	FROM MEDIAN TO END OF TAPER
242	EB	0.805	0.843	200	57	11400	135.60	126.7	1266.7	FROM END OF TAPER TO END OF TURN LANE
242	EB	0.843	0.862	100	59	5900	70.18	65.6	655.6	IN BETWEEN END OF TURN LANES
242	EB	0.862	0.900	200	57	11400	135.60	126.7	1266.7	FROM END OF TURN LANE TO END OF TAPER
242	EB	0.900	0.919	100	53.5	5350	63.64	59.4	594.4	FROM END OF TAPER TO MEDIAN
242	EB	0.919	1.268	1845	44	81180	965.64	902.0	9020.0	IN BETWEEN START OF TAPERS
242	EB	1.268	1.287	100	53.5	5350	63.64	59.4	594.4	FROM MEDIAN TO END OF TAPER
242	EB	1.287	1.316	150	57	8550	101.70	95.0	950.0	FROM END OF TAPER TO END OF TURN LANE
242	EB	1.316	1.337	110	59	6490	77.20	72.1	721.1	IN BETWEEN END OF TURN LANES
242	EB	1.337	1.365	150	57	8550	101.70	95.0	950.0	FROM END OF TURN LANE TO END OF TAPER
242	EB	1.365	1.384	100	53.5	5350	63.64	59.4	594.4	FROM END OF TAPER TO MEDIAN
242	EB	1.384	1.587	1070	44	47080	560.02	523.1	5231.1	IN BETWEEN START OF TAPERS
242	EB	1.587	1.606	100	53.5	5350	63.64	59.4	594.4	FROM MEDIAN TO END OF TAPER
242	EB	1.606	1.643	200	57	11400	135.60	126.7	1266.7	FROM END OF TAPER TO END OF TURN LANE
242	EB	1.643	1.657	70	59	4130	49.13	45.9	458.9	FROM END OF TURN LANE TO MEDIAN
242	EB	1.657	1.705	255	44	11220	133.46	124.7	1246.7	FROM START OF MEDIAN TO START OF TAPER
242	EB	1.705	1.724	100	53.5	5350	63.64	59.4	594.4	FROM START OF TAPER TO END OF TAPER
242	EB	1.724	1.752	150	57	8550	101.70	95.0	950.0	FROM END OF TAPER TO END OF TURN LANE
242	EB	1.752	1.771	100	59	5900	70.18	65.6	655.6	IN BETWEEN END OF TURN LANES
242	EB	1.771	1.800	150	57	8550	101.70	95.0	950.0	FROM END OF TURN LANE TO END OF TAPER
242	EB	1.800	1.819	100	59	5900	70.18	65.6	655.6	FROM END OF TAPER TO MEDIAN
242	EB	1.819	1.869	265	55	14575	173.37	161.9	1619.4	FROM START OF TAPER TO IRREGULAR 2
IRREGULAR 2	-	-	-	-	-	38540	458.44	428.2	4282.2	SEE SPECIAL SHEET
MM	EB	7.378	7.414	190.08	54	10264.32	122.09	114.0	1140.5	FROM IRREGULAR 1 TO END OF TAPER
MM	EB	7.37	7.378	42.24	38.5	1626.24	19.34	18.1	180.7	FROM END OF TAPER TO START OF TAPER
MM	EB	7.352	7.37	95.04	33	3136.32	37.31	34.8	348.5	FROM START OF TAPER TO END OF MEDIAN
MM	EB	7.31	7.352	221.76	46	10200.96	121.34	113.3	1133.4	FROM END OF MEDIAN TO START OF TURN LANE
MM	EB	7.235	7.31	396	34	13464	160.16	149.6	1496.0	FROM START OF TURN LANE TO START OF TAPER
MM	EB	7.175	7.235	316.8	30	9504	113.05	105.6	1056.0	FROM START OF TAPER TO BRIDGE
BAGNELL DAM BLVD	SB	4.954	4.992	200.64	67	13442.88	159.90	149.4	1493.7	FROM IRREGULAR 2 TO END OF TAPER
BAGNELL DAM BLVD	SB	4.941	4.954	68.64	61.5	4221.36	50.21	46.9	469.0	FROM END OF TAPER TO START OF TAPER
BAGNELL DAM BLVD	SB	4.922	4.941	100.32	56	5617.92	66.83	62.4	624.2	FROM START OF TAPER TO END
						TOTAL	7416.08	6926.9	69272.8	
						USE	7416.1	6927	69273	

MOBILIZATION
TOTAL = 1 LUMP SUM

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 1:30:02 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN/MILLER

JOB NO.
JCD0200

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)

QUANTITY SHEET
1 OF 5

PAVEMENT MARKING

ROUTE	DIRECTION	LOG MILE	PREFORMED THERMOPLASTIC					24" SOLID YELLOW CLASS 1 PAINT (TYPE P BEADS) (LF)	REMARKS
			RIGHT TURN ARROWS (EACH)	LEFT TURN ARROWS (EACH)	STRAIGHT ARROW (EACH)	WORD "ONLY" (EACH)	24" SOLID WHITE (LF)		
HORSE BEND PKWY	EB	0.398	1						INTERSECTION AT 242 AND MM
HORSE BEND PKWY	EB	0.411				1			INTERSECTION AT 242 AND MM
HORSE BEND PKWY	EB	0.421	1		1				INTERSECTION AT 242 AND MM
HORSE BEND PKWY	EB	0.435					14		INTERSECTION AT 242 AND MM
242	EB	0.215		1					LT FROM 242 TO BARRETT'S LN (NO EXISTING ARROW)
242	EB	0.235		1					LT FROM 242 TO BARRETT'S LN (NO EXISTING ARROW)
242	EB	0.625		1					LT FROM 242
242	EB	0.640		1					LT FROM 242
242	EB	1.609		1					LT FROM 242 TO FISH HAVEN RD
242	EB	1.629		1					LT FROM 242 TO FISH HAVEN RD
242	EB	1.847	1		2				INTERSECTION AT 242 AND BAGNELL DAM BLVD
242	EB	1.869	1		2				INTERSECTION AT 242 AND BAGNELL DAM BLVD
242	EB	1.872					11		INTERSECTION AT 242 AND BAGNELL DAM BLVD
242	EB	1.875					12		INTERSECTION AT 242 AND BAGNELL DAM BLVD
242	WB	0.555					12		INTERSECTION AT 242 AND BAGNELL DAM BLVD
242	WB	0.560					12		INTERSECTION AT 242 AND BAGNELL DAM BLVD
242	WB	0.564					11		INTERSECTION AT 242 AND BAGNELL DAM BLVD
242	WB	0.675		1					LT FROM 242
242	WB	0.690		1					LT FROM 242
242	WB	1.749		1					LT FROM 242
242	WB	1.758		1					LT FROM 242
242	WB	2.419		1					INTERSECTION AT 242 AND MM
242	WB	2.443		1					INTERSECTION AT 242 AND MM
242	WB	2.456					33		INTERSECTION AT 242 AND MM
MM	EB	7.263						3	TAPER FOR LEFT TURN FROM MM
MM	EB	7.270						5	TAPER FOR LEFT TURN FROM MM
MM	EB	7.278						6	TAPER FOR LEFT TURN FROM MM
MM	EB	7.286						9	TAPER FOR LEFT TURN FROM MM
MM	EB	7.319		1					LEFT TURN FROM MM
MM	EB	7.338		1					LEFT TURN FROM MM
MM	EB	7.394	1	1					INTERSECTION AT 242 AND MM
MM	EB	7.418	1	1					INTERSECTION AT 242 AND MM
MM	EB	7.433					13		INTERSECTION AT 242 AND MM
BAGNELL DAM BLVD	SB	4.961				3			INTERSECTION AT 242 AND BAGNELL DAM BLVD
BAGNELL DAM BLVD	SB	4.972	1	2					INTERSECTION AT 242 AND BAGNELL DAM BLVD
BAGNELL DAM BLVD	SB	4.985				3			INTERSECTION AT 242 AND BAGNELL DAM BLVD
BAGNELL DAM BLVD	SB	4.995	1	2					INTERSECTION AT 242 AND BAGNELL DAM BLVD
BAGNELL DAM BLVD	SB	5.001					12		INTERSECTION AT 242 AND BAGNELL DAM BLVD
BAGNELL DAM BLVD	SB	5.007					12		INTERSECTION AT 242 AND BAGNELL DAM BLVD
54 OFF RAMP	WB	0.326	1	1	1				INTERSECTION AT 242 AND BAGNELL DAM BLVD
54 OFF RAMP	WB	0.340					26		INTERSECTION AT 242 AND BAGNELL DAM BLVD
		TOTAL	9	21	6	7	168	23	
		USE	30		6	7	168	23	

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
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PROFESSIONAL ENGINEER
07/28/2025 1:30:13 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED: 7/28/2025

ROUTE	STATE
242/MM	MO

DISTRICT	SHEET NO.
CD	3

COUNTY: CAMDEN/MILLER

JOB NO.: JCD0200

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)

QUANTITY SHEET
2 OF 5

PAVEMENT MARKING

ROUTE	DIRECTION	LOG MILE FROM	LOG MILE TO	CLASS 1 PAVEMENT MARKING, TYPE P BEADS					36" SURFACE-MOUNT DELINEATOR POST (EACH)	REMARKS
				4" INT. YELLOW (LF)	4" SOLID YELLOW (LF)	4" INT. WHITE (LF)	4" SOLID WHITE (LF)	4" EDGE LINE EXTENSION WHITE (LF)		
HORSESHOE BEND PKWY	EB	0.396	0.421		132	33	132		2	
HORSESHOE BEND PKWY	WB	2.235	2.257		116	29	116			
242	EB	0.026	0.258						12	
242	EB	0.026	0.201		824	231	924	25		EDGE LINE EXTENTION 3' LONG 9' GAPS
242	EB	0.201	0.285		301	111	258	36		EDGE LINE EXTENTION 3' LONG 9' GAPS
242	EB	0.285	0.613		1732	433	1732	25		EDGE LINE EXTENTION 3' LONG 9' GAPS
242	EB	0.285	0.669						20	
242	EB	0.613	0.669		296	74	591			
242	EB	0.669	0.786		481	154	618	34		EDGE LINE EXTENTION 3' LONG 9' GAPS
242	EB	0.695	0.843						7	
242	EB	0.786	0.862		401	100	401			
242	EB	0.862	1.316						24	
242	EB	0.862	1.268		2144	536	2144			
242	EB	1.268	1.337		364	91	364			
242	EB	1.337	1.643						16	
242	EB	1.337	1.606		1420	355	1420	25		EDGE LINE EXTENTION 3' LONG 9' GAPS
242	EB	1.606	1.643		195	49	391			
242	EB	1.643	1.705		253	82	327	19		EDGE LINE EXTENTION 3' LONG 9' GAPS
242	EB	1.657	1.752						5	
242	EB	1.705	1.771		348	87	348			
242	EB	1.771	1.869						6	
242	EB	1.771	1.819		253	63	253			
242	EB	1.819	1.869		264		792			
242	WB	0.595	0.664		364	91	364	25		EDGE LINE EXTENTION 3' LONG 9' GAPS
242	WB	0.664	0.693		153	38	306			
242	WB	0.693	1.080		1869	511	2043	44		EDGE LINE EXTENTION 3' LONG 9' GAPS
242	WB	1.080	1.148		359	90	359			
242	WB	1.148	1.545		2096	524	2096			
242	WB	1.545	1.621		401	100	401			
242	WB	1.621	1.731		581	145	581	25		EDGE LINE EXTENTION 3' LONG 9' GAPS
242	WB	1.731	1.769		201	50	401			
242	WB	1.769	2.103		1627	441	1764	34		EDGE LINE EXTENTION 3' LONG 9' GAPS
242	WB	2.103	2.206		544	136	544			
242	WB	2.206	2.403		1040	260	1040	25		EDGE LINE EXTENTION 3' LONG 9' GAPS
242	WB	2.403	2.438		185	46	370			
MM	WB	0.029	0.094			86	343			
MM	WB	0.094	0.104			13				
MM	WB	0.104	0.111		74	9				
MM	WB	0.111	0.160		517	65	259			
MM	WB	0.160	0.209		517		259			
MM	WB	0.209	0.239		158		158			
MM	WB	0.239	0.269	40			158			
MM	EB	7.175	7.235		317		317			
MM	EB	7.235	7.289		570		285			
MM	EB	7.289	7.310				111			
MM	EB	7.310	7.339				306			
MM	EB	7.339	7.378				206			
MM	EB	7.352	7.414						4	
MM	EB	7.378	7.414				380			
BAGNELL DAM BLVD	NB	0.352	0.421		364	91	364			
BAGNELL DAM BLVD	SB	4.922	4.992						4	
BAGNELL DAM BLVD	SB	4.922	4.954		169	42	169			
BAGNELL DAM BLVD	SB	4.954	4.992		201		602			
IRREGULAR 1	-	-	-		40	39	566		12	
IRREGULAR 2	-	-	-		316	49	1683	37	21	EDGE LINE EXTENTION 2' LONG 4' GAPS
			TOTAL	40	22187	5254	27246	354	133	
			USE	22227		32854			133	

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 1:30:26 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	3

COUNTY
CAMDEN/MILLER

JOB NO.
JCD0200

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)

QUANTITY SHEET
3 OF 5

SHAPING SLOPES, CLASS III

ROUTE	DIRECTION	LOG MILE FROM	LOG MILE TO	QUANTITY	UNIT
MM	WB	0.201	0.278	4	100 FT
MM	EB	7.218	7.333	6	100 FT
			TOTAL	10	100 FT
			USE	10	100 FT

GUARDRAIL

ROUTE	DIRECTION	LOG MILE FROM	LOG MILE TO	TYPE A CET (MASH) (EACH)	MGS GUARDRAIL (LF)	BRIDGE APPROACH TRANSITION SECTION (EACH)
MM	WB	0.201	0.211	1		
MM	WB	0.211	0.271		312.5	
MM	WB	0.271	0.278			1
MM	EB	7.218	7.228			1
MM	EB	7.228	7.325		512.5	
MM	EB	7.325	7.332	1		
			TOTAL	2	825	2
			USE	2	825	2

REMOVAL OF IMPROVEMENTS

ROUTE	DIRECTION	LOG MILE FROM	LOG MILE TO	QUANTITY	UNIT	REMARKS
HORSESHOE BEND PKWY	EB	0.396	0.420	2	EACH	DELINEATOR POST
242	EB	0.026	0.258	12	EACH	DELINEATOR POST
242	EB	0.285	0.669	20	EACH	DELINEATOR POST
242	EB	0.695	0.843	7	EACH	DELINEATOR POST
242	EB	0.862	1.316	24	EACH	DELINEATOR POST
242	EB	1.337	1.643	16	EACH	DELINEATOR POST
242	EB	1.657	1.752	5	EACH	DELINEATOR POST
242	EB	1.771	1.869	6	EACH	DELINEATOR POST
MM	WB	0.201	0.211	50	LF	GUARDRAIL TYPE A
MM	WB	0.211	0.271	317	LF	GUARDRAIL
MM	WB	0.271	0.278	37.5	LF	GUARDRAIL TRANSITION
MM	WB	0.201	0.278	411	LF	SAW CUT
MM	WB	0.201	0.278	135	SY	ASPHALT PAVEMENT
MM	EB	7.218	7.228	50	LF	GUARDRAIL TYPE A
MM	EB	7.228	7.325	512	LF	GUARDRAIL
MM	EB	7.325	7.332	37.5	LF	GUARDRAIL TRANSITION
MM	EB	7.218	7.332	606	LF	SAW CUT
MM	EB	7.218	7.332	200	SY	ASPHALT PAVEMENT
MM	EB	7.352	7.414	4	EACH	DELINEATOR POST
BAGNELL DAM BLVD	SB	4.922	4.992	4	EACH	DELINEATOR POST
IRREGULAR 1	-	-	-	12	EACH	DELINEATOR POST
IRREGULAR 2	-	-	-	21	EACH	DELINEATOR POST
			USE	1	LUMP SUM	

LOOP DETECTORS

ROUTE	DIRECTION	LOG MILE	6'X30' QUANTITY (EACH)	REMARKS
HORSESHOE BEND PKWY	EB	0.435	1	HORSESHOE BEND PKWY EB THROUGH
242	WB	2.455	2	242 WB THROUGH
242	WB	2.455	1	242 WB TO MM WB
MM	EB	7.432	1	MM EB TO HORSESHOE BEND PKWY WB
242	EB	1.871	2	242 EB THROUGH
54 OFF RAMP	WB	0.338	1	54 OFF RAMP THROUGH TO BAGNELL DAM BLVD
54 OFF RAMP	WB	0.338	1	54 OFF RAMP TO 242 EB
242	WB	0.556	1	242 WB TO BAGNELL DAM BLVD
242	WB	0.560	1	242 WB THROUGH
242	WB	0.564	1	242 WB THROUGH
BAGNELL DAM BLVD	SB	5.001	1	BAGNELL DAM BLVD TO 242 WB
BAGNELL DAM BLVD	SB	5.008	1	BAGNELL DAM BLVD TO 242 WB
	TOTAL		14	PLACE NEW LOOP DETECTORS IN EXISTING
	USE		14	LOCATIONS UNLESS OTHERWISE NOTED. LOG MILES ARE APPROXIMATE

SEE PAVEMENT MARKING SHEETS

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 1:30:35 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED: 7/28/2025
ROUTE: 242/MM
STATE: MO
DISTRICT: CD
SHEET NO.: 3
COUNTY: CAMDEN/MILLER
JOB NO.: JCD0200
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DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

QUANTITY SHEET
4 OF 5

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
WARNING SIGNS								
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	4	64.00			11	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						MERGE (LEFT)
WO4-1aR	48X48	16.00						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)
W10-1	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	4	64.00			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	4	64.00			7	ONE LANE ROAD AHEAD
WO20-5	48X48	16.00	1	16.00			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00	1	16.00			6	RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	4	64.00			8	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						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
GUIDE SIGNS								
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					53	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						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						SPEED LIMIT XX
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 AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-8	48X36	12.00						WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL
	288

616-10.10 RELOCATED SIGNS	TOTAL

EFFECTIVE: 07-01-2025

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6122040		WORK ZONE CRASH CUSHION (NARROW)
6122041		WORK ZONE CRASH CUSHION (RELOCATION)
6123001		TRUCK MOUNTED ATTENUATOR (TMA)
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161020		CHANNELIZER (DRUM-LIKE)
6161022		CHANNELIZER (CONE)
6161025	70	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030	2	TYPE 3 MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040	1	FLASHING ARROW PANEL
6161047		TYPE 3 OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096	2	CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED
6173700B		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED
6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED
6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS
6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 1:30:42 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED: 7/28/2025

ROUTE	STATE
242/MM	MO

DISTRICT	SHEET NO.
CD	3

COUNTY: CAMDEN/MILLER

JOB NO.: JCD0200

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

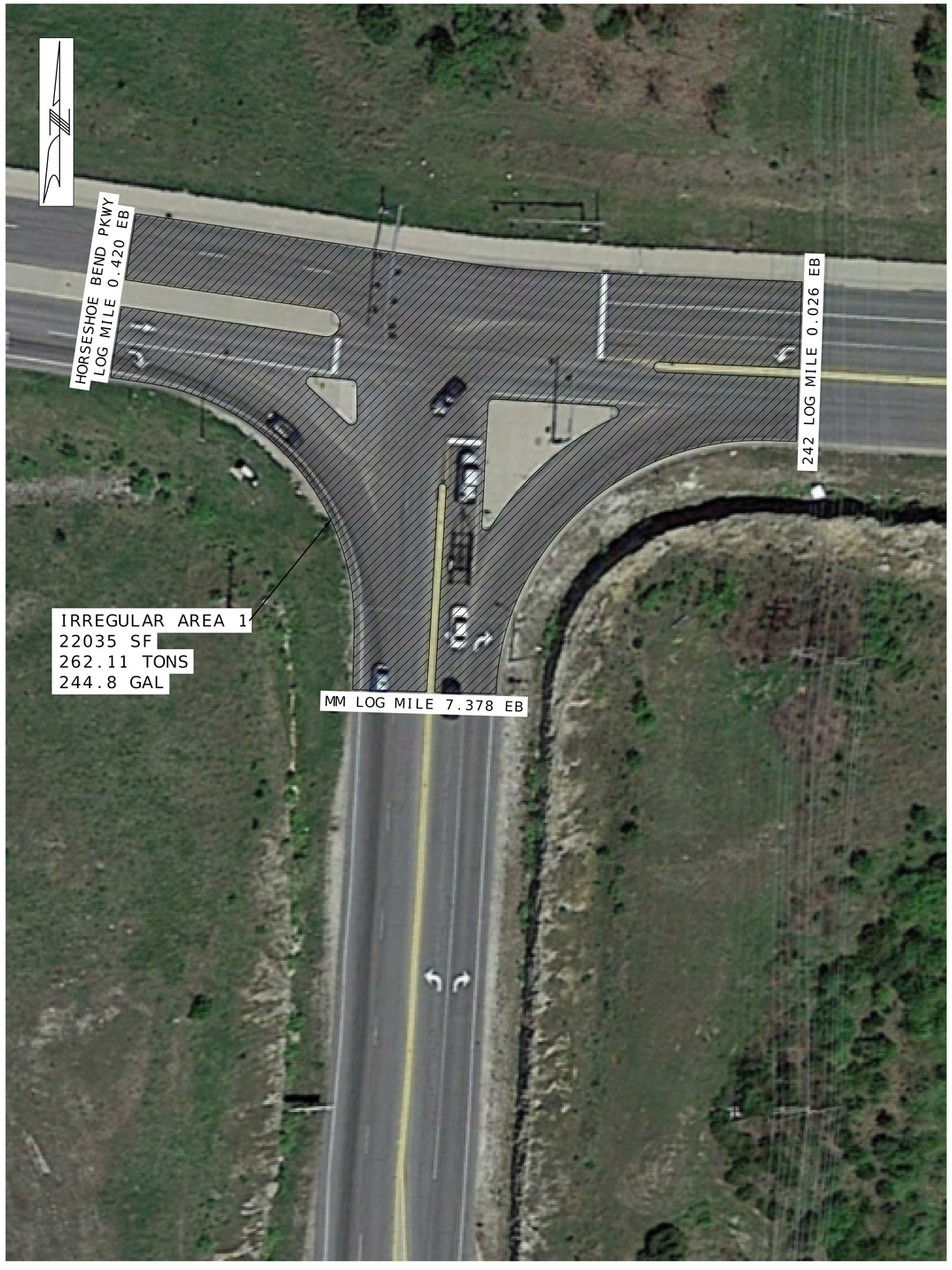
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

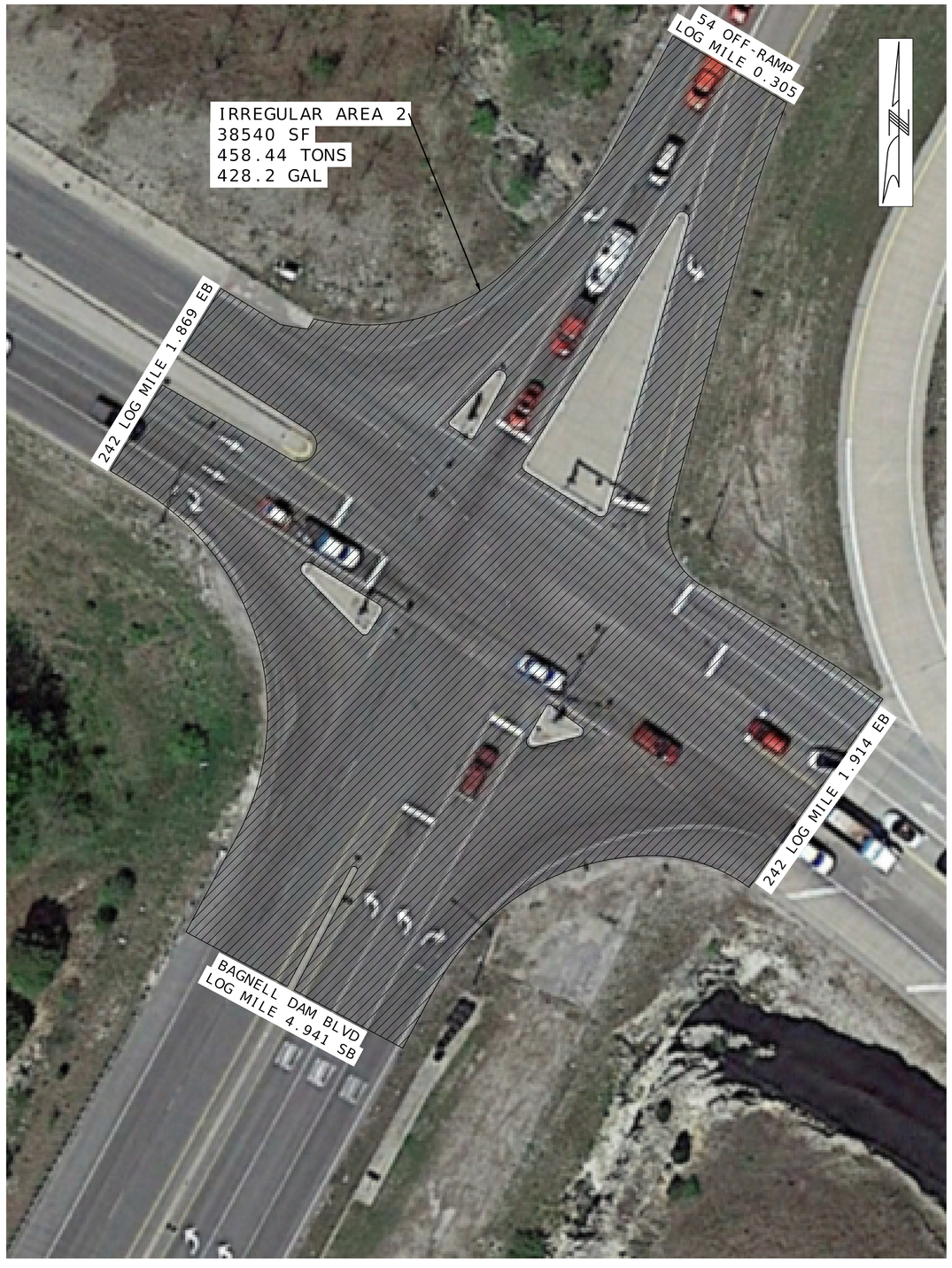
MoDOT

QUANTITY SHEET
5 OF 5



IRREGULAR 1- 242 AND MM

NOT TO SCALE



IRREGULAR 2- 242 AND BAGNELL DAM BLVD

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 1:57:47 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED	7/28/2025
ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	4
COUNTY	CAMDEN/MILLER
JOB NO.	JCD0200
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)

SPECIAL SHEET
1 OF 2

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 1:57:56 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
242/MM	MO

DISTRICT	SHEET NO.
CD	5

COUNTY
CAMDEN/MILLER

JOB NO.
JCD0200

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)

SPECIAL SHEET
2 OF 2

TRAFFIC CONTROL PLAN

LANE CLOSURE OF LEFT LANE ON FAR SIDE OF INTERSECTION WORK ON NEAR OR FAR SIDE



W020-1

(2)



W020-6a

(6)



W020-5

(5)

LONGITUDINAL BUFFER SPACE	
POSTED SPEED PRIOR TO CONSTRUCTION	LENGTH
≤ 35 MPH	280 FT
40-45 MPH	400 FT
50-55 MPH	560 FT
60-70 MPH	840 FT

TAPER LENGTH		
POSTED SPEED MPH (P)	SHOULDER (T1)	LANE (T2)
0-35	70 FT	245 FT
40-45	150 FT	540 FT
50-55	185 FT	660 FT
60-70	235 FT	840 FT

NOTES:

(1) SIGN (2) REQUIRED FOR ALL PUBLIC ROAD APPROACHES TO THE WORK ZONE.

(2) PAVEMENT MARKING BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

TEMPORARAY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

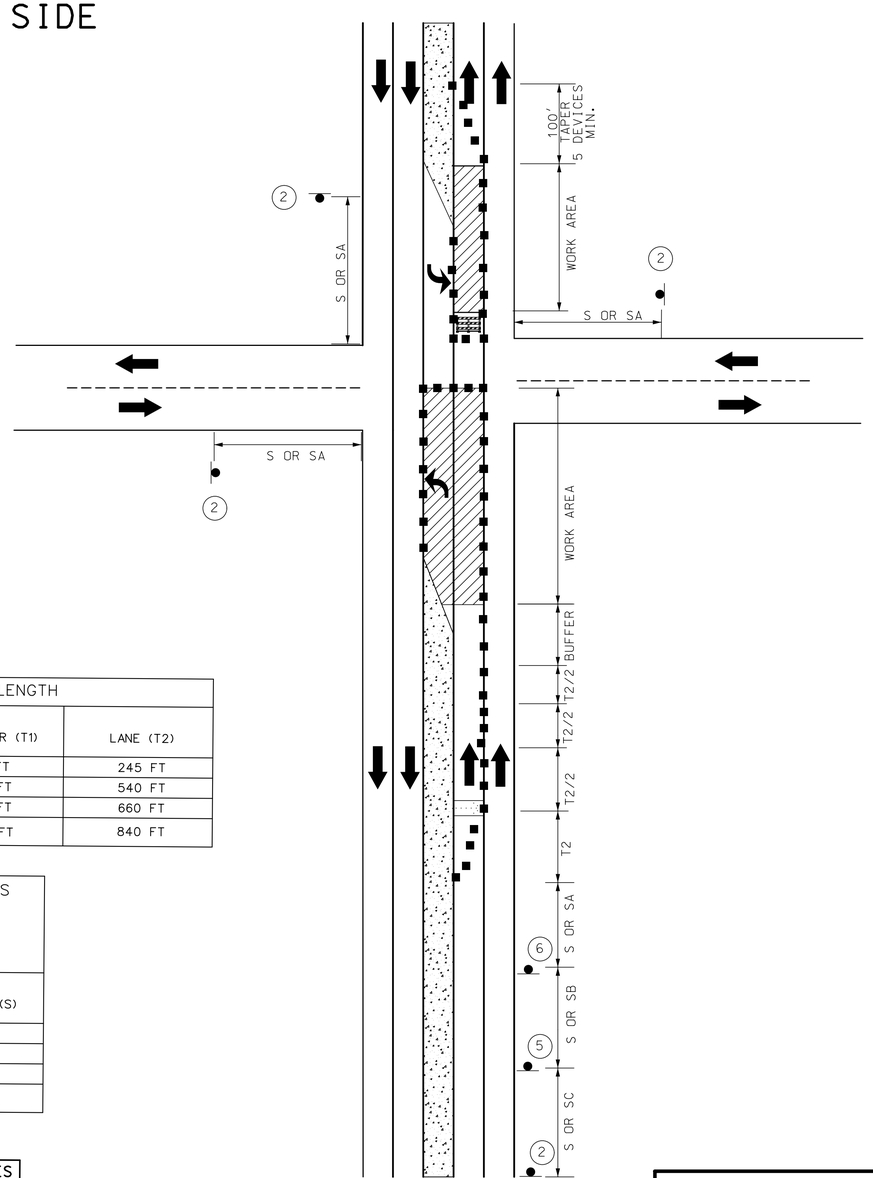
(3) FOR SHORT TERM OPERATION WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.

(4) LEFT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

(5) THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.

SIGN SPACING FOR ADVANCE SIGN SERIES SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION. SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
POSTED SPEED MPH (P)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	SA - 1000 FT, SB - 1500 FT AND SC - 2640 FT	

SPACING OF CHANNELIZING DEVICES		
SPEED MPH	MAXIMUM CHANNELIZER SPACING	
	THROUGH TAPER	THROUGH WORK AREA
≤ 35	35 FT	40 FT
40-45	40 FT	80 FT
50-55	50 FT	80 FT
≥ 60	60 FT	120 FT



NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- TYPE 3 BARRICADES
- ARROW PANEL

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 1:58:06 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	6

COUNTY
CAMDEN/MILLER

JOB NO.
JCD0200

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)

TRAFFIC CONTROL
SHEET 1 OF 6

TRAFFIC CONTROL PLAN

RIGHT LANE CLOSURE AT INTERSECTION
WORK ON NEAR OR FAR SIDE



W020-1

(2)



W020-6a

(6)

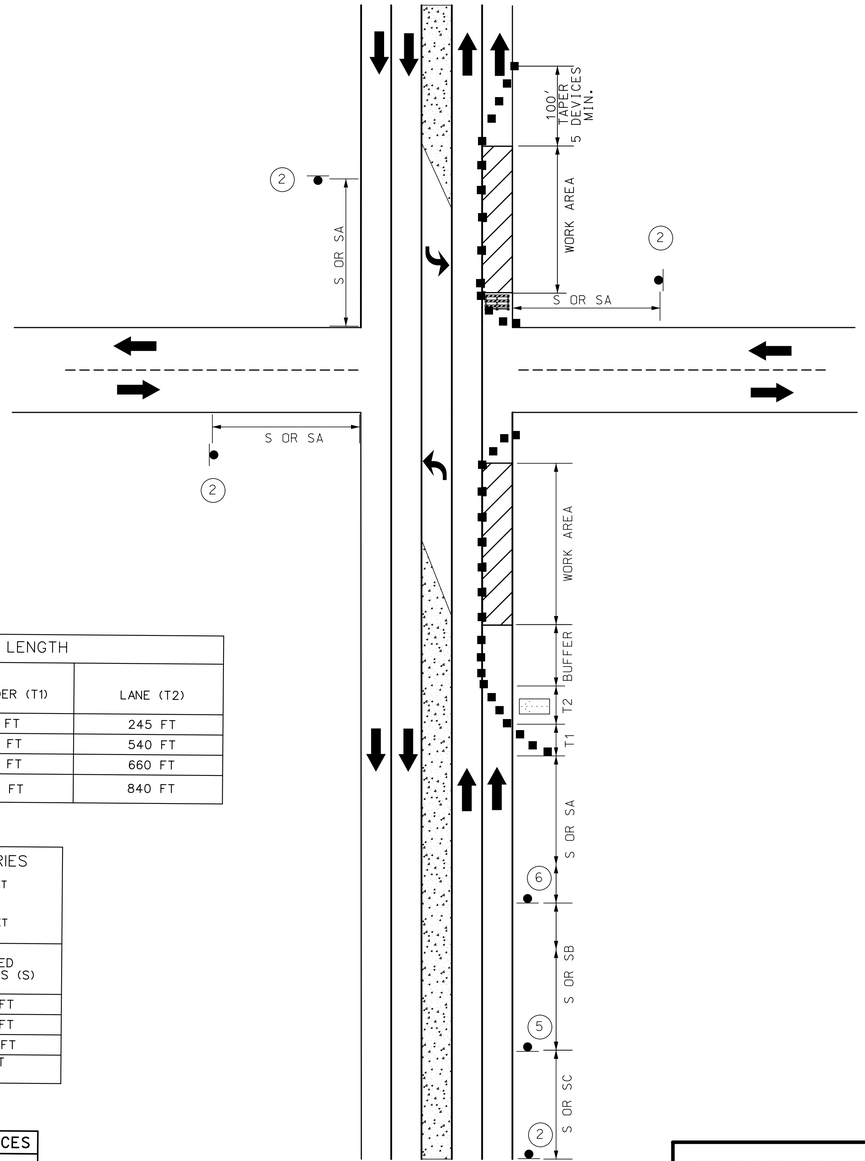


W020-5

(5)

LONGITUDINAL BUFFER SPACE	
POSTED SPEED PRIOR TO CONSTRUCTION	LENGTH
≤ 35 MPH	280 FT
40–45 MPH	400 FT
50–55 MPH	560 FT
60–70 MPH	840 FT

TAPER LENGTH		
POSTED SPEED MPH (P)	SHOULDER (T1)	LANE (T2)
0-35	70 FT	245 FT
40-45	150 FT	540 FT
50-55	185 FT	660 FT
60-70	235 FT	840 FT



SIGN SPACING FOR ADVANCE SIGN SERIES		
SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION. SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.		
POSTED SPEED MPH (P)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	SA - 1000 FT, SB - 1500 FT AND SC - 2640 FT	

SPACING OF CHANNELIZING DEVICES		
SPEED MPH	MAXIMUM CHANNELIZER SPACING	
	THROUGH TAPER	THROUGH WORK AREA
≤ 35	35 FT	40 FT
40–45	40 FT	80 FT
50–55	50 FT	80 FT
≥ 60	60 FT	120 FT

NOTES:

(1) SIGN (2) REQUIRED FOR ALL PUBLIC ROAD APPROACHES TO THE WORK ZONE.

(2) PAVEMENT MARKING BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

TEMPORARAY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

(3) FOR SHORT TERM OPERATION WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.

(4) RIGHT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THREREE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- TYPE 3 BARRICADES
- ARROW PANEL

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 1:58:15 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	7

COUNTY
CAMDEN/MILLER

JOB NO.
JCD0200

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)

TRAFFIC CONTROL
SHEET 2 OF 6

TRAFFIC CONTROL PLAN

RIGHT LANE CLOSURE AT INTERSECTION APPROACH



BRIDGE
OR
RAMP

W020-1
(2)



CENTER
OR
LEFT

W020-6a
(6)



CENTER LANE
OR
LEFT LANE

W020-5
(5)

NOTES:

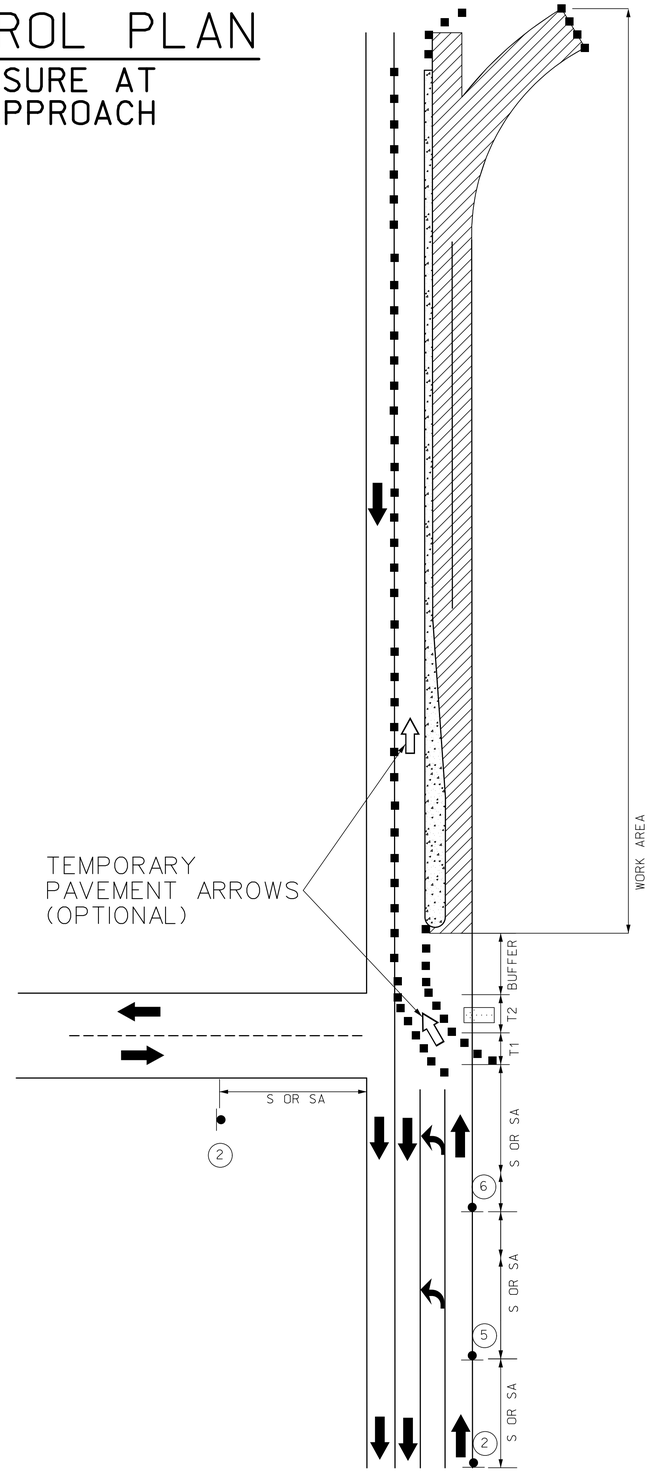
(1) SIGN (2) REQUIRED FOR ALL PUBLIC ROAD APPROACHES TO THE WORK ZONE.

(2) PAVEMENT MARKING BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

TEMPORARAY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

(3) FOR SHORT TERM OPERATION WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.

(4) RIGHT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THREREE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.



LONGITUDINAL BUFFER SPACE	
POSTED SPEED PRIOR TO CONSTRUCTION	LENGTH
≤ 35 MPH	280 FT
40-45 MPH	400 FT
50-55 MPH	560 FT
60-70 MPH	840 FT

TAPER LENGTH		
POSTED SPEED MPH (P)	SHOULDER (T1)	LANE (T2)
0-35	70 FT	245 FT
40-45	150 FT	540 FT
50-55	185 FT	660 FT
60-70	235 FT	840 FT

SIGN SPACING FOR ADVANCE SIGN SERIES

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

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

POSTED SPEED MPH (P)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	SA - 1000 FT, SB - 1500 FT AND SC - 2640 FT	

SPACING OF CHANNELIZING DEVICES		
SPEED MPH	MAXIMUM CHANNELIZER SPACING	
	THROUGH TAPER	THROUGH WORK AREA
≤ 35	35 FT	40 FT
40-45	40 FT	80 FT
50-55	50 FT	80 FT
≥ 60	60 FT	120 FT

NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- TYPE 3 BARRICADES
- ARROW PANEL

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 1:58:23 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	8

COUNTY
CAMDEN/MILLER

JOB NO.
JCD0200

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

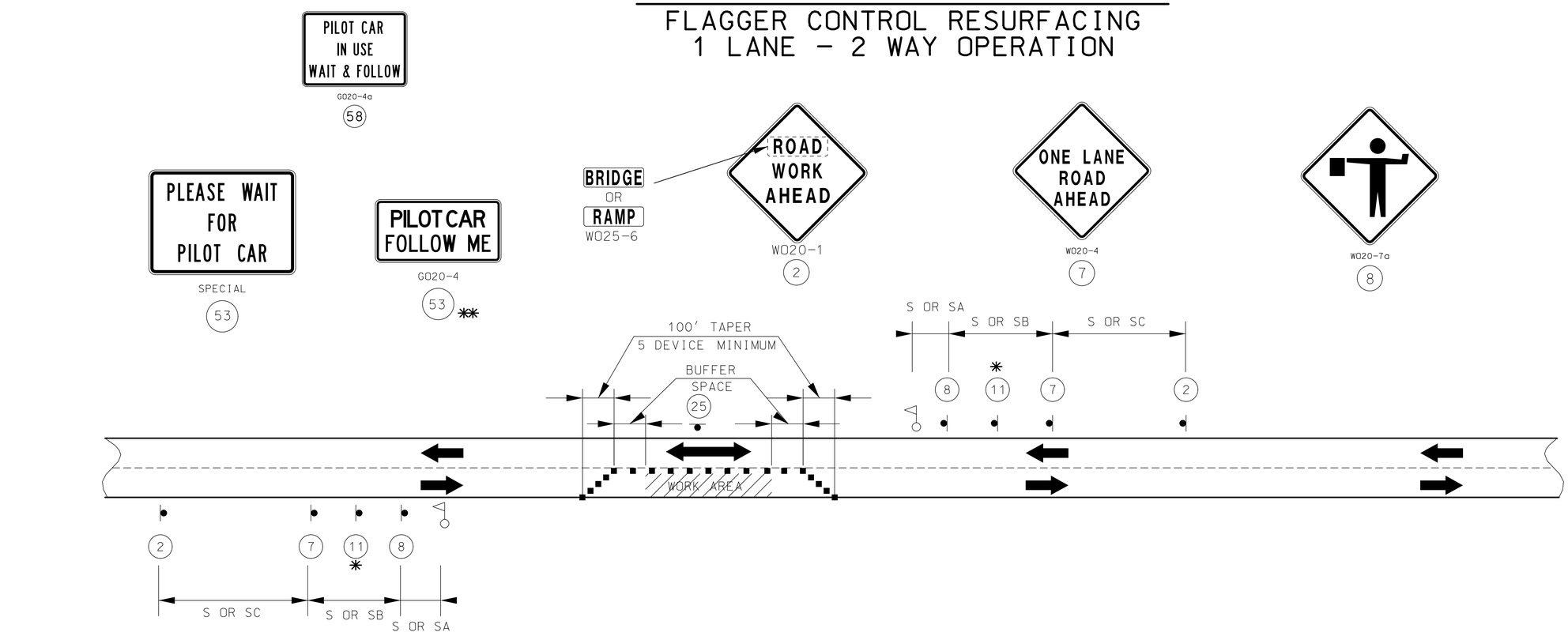
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL
SHEET 3 OF 6

TRAFFIC CONTROL PLAN

FLAGGER CONTROL RESURFACING
1 LANE – 2 WAY OPERATION





* THIS SIGN IS INSERTED BETWEEN SIGNS 7 & 8 WITH THE SPACING OF 1/2 THE STANDARD SPACING WHEN NO WORK ZONE SPEED LIMIT IS ESTABLISHED.

** THIS SIGN SHALL BE THE CONTRACTORS RESPONSIBILITY WHEN IN USE DURING OPERATION.

NOTES:

SEE TRAFFIC CONTROL SHEET X FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET X FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

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.

NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- FLAGGER
- CHANNELIZERS

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER
07/28/2025 1:58:32 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED: 7/28/2025

ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	9

COUNTY: CAMDEN/MILLER
JOB NO.: JCD0200
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

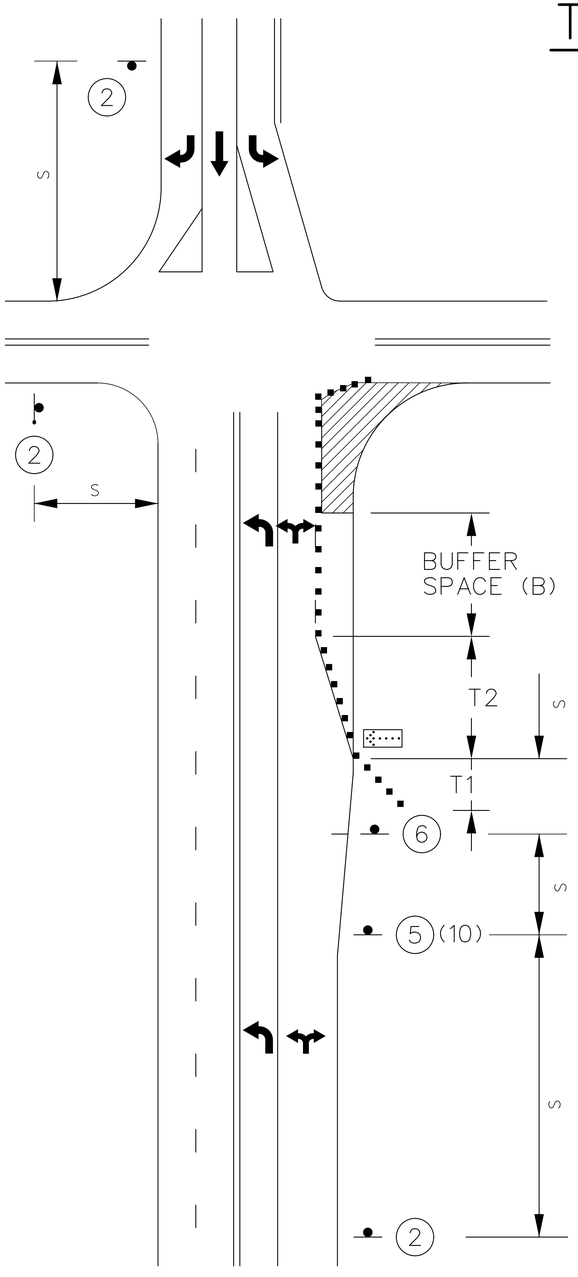
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL
SHEET 4 OF 6

TRAFFIC CONTROL PLAN

RIGHT LANE CLOSURE AT INTERSECTION



RIGHT LANE CLOSURE AT INTERSECTION
WORK ON NEAR SIDE









NOTES:

(1). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

(2). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

(3). FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.

(4). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

(5). PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

(6). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

(7). FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKINGS. ALL OTHER SPACINGS ARE ONE HALF OF THE SPACING.

(8). THIS FIGURE ONLY APPLIES WHERE A SIGNIFICANT PERCENTAGE OF THE APPROACH VOLUME.

(9). TEMPORARY ISLAND MAY BE USED TO EMPHASIZE THE MANDATORY RIGHT TURN MOVEMENT WHERE THERE IS A SUFFICENT RIGHT TURN RADIUS.

(10). SIGN (5) MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZERS
- FLASHING ARROW PANEL

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 1:58:43 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED: 7/28/2025

ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	10

COUNTY: CAMDEN/MILLER
JOB NO.: JCD0200
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

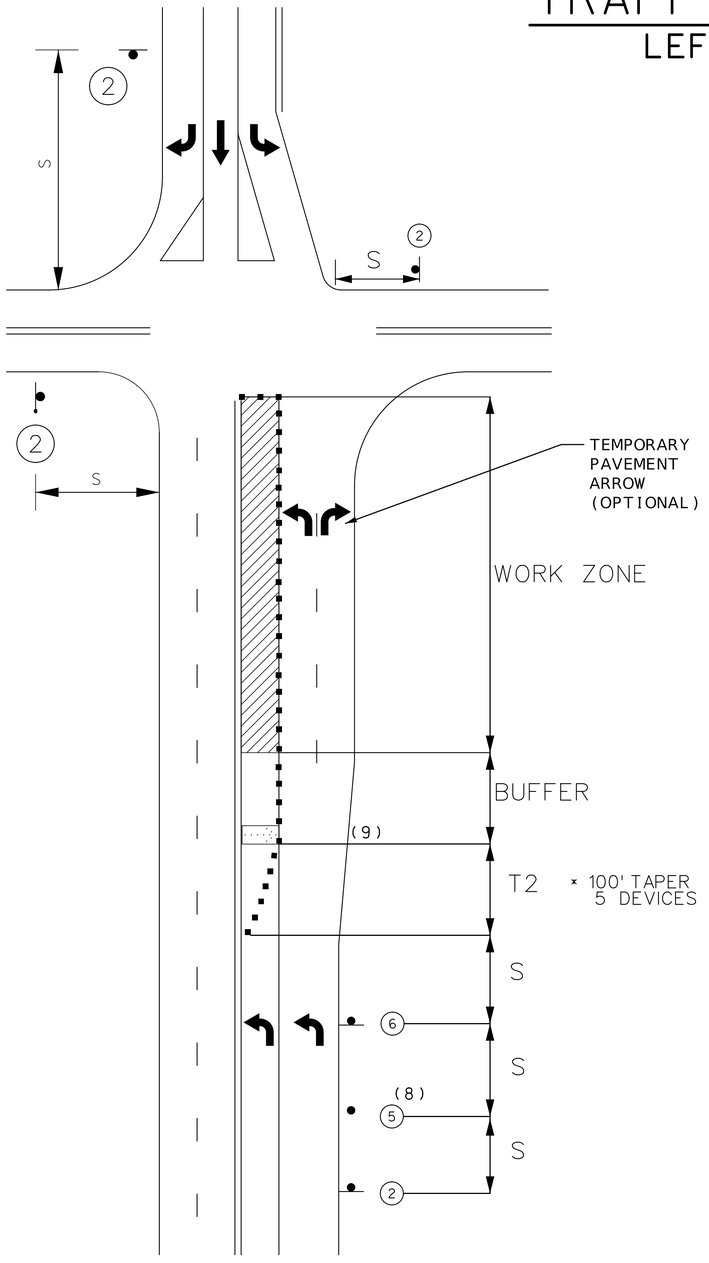
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL
SHEET 5 OF 6

TRAFFIC CONTROL PLAN

LEFT LANE CLOSURE AT INTERSECTION



NOTE:

(1). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

(2). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

(3). FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PAHSING, TIMING, INDEICATIONS OR DETECTOR SETTINGS.

(4). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKINGS AS NEEDED.

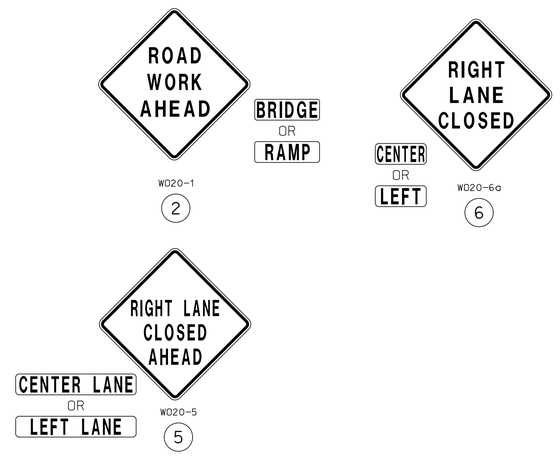
(5). PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

(6). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

(7). FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FEET DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.

(8). "LEFT LANE CLOSED AHEAD" SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.

(9). THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEIDAN WIDTH ALLOW THIS PLACEMENT.



NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- FLASHING ARROW PANEL
- MOVEABLE BARRICADE
- CHANNELIZERS

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 1:58:52 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	11

COUNTY
CAMDEN/MILLER

JOB NO.
JCD0200

CONTRACT ID.

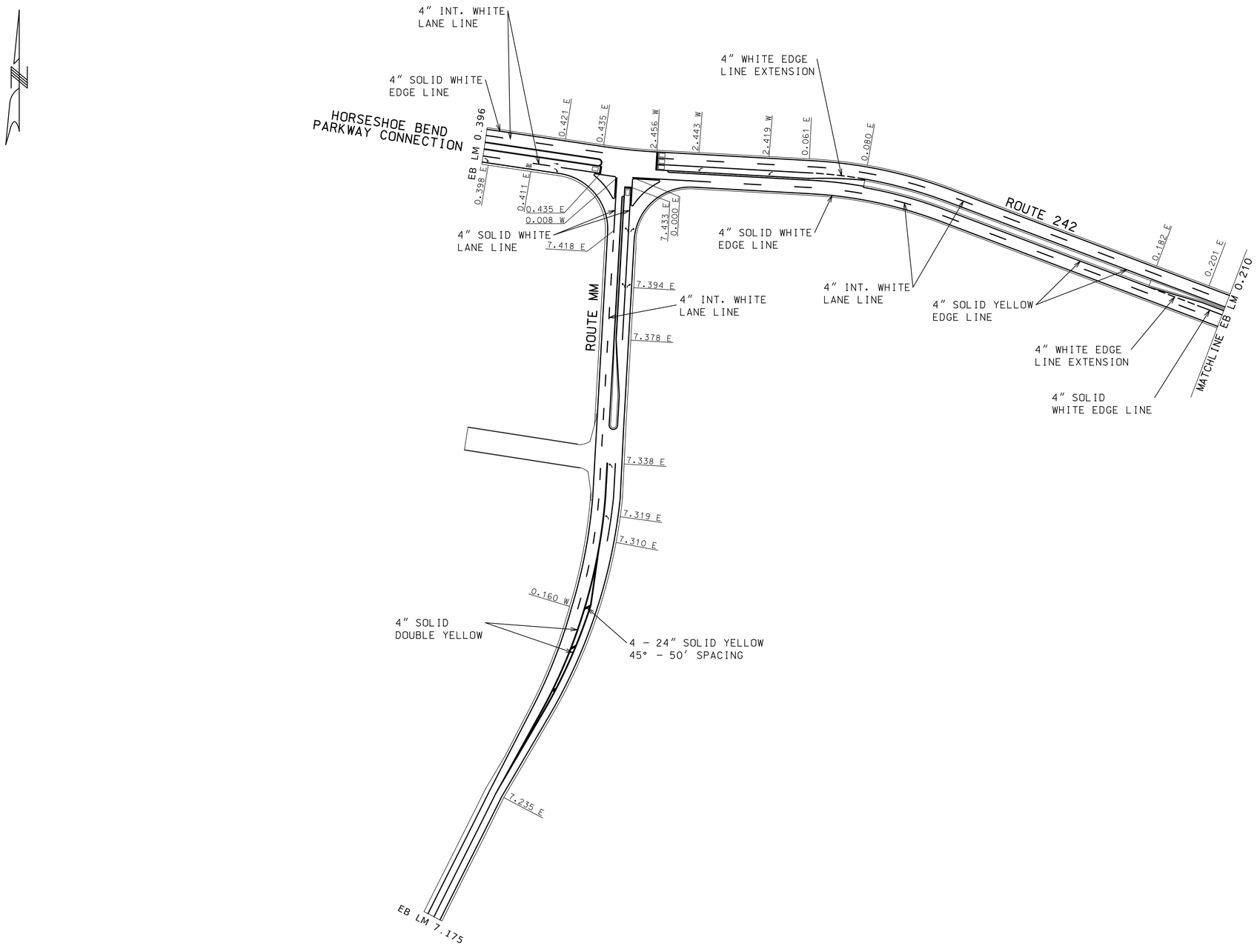
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL
SHEET 6 OF 6



STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 1:59:00 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	12

COUNTY
CAMDEN/MILLER

JOB NO.
JCD0200

CONTRACT ID.

PROJECT NO.

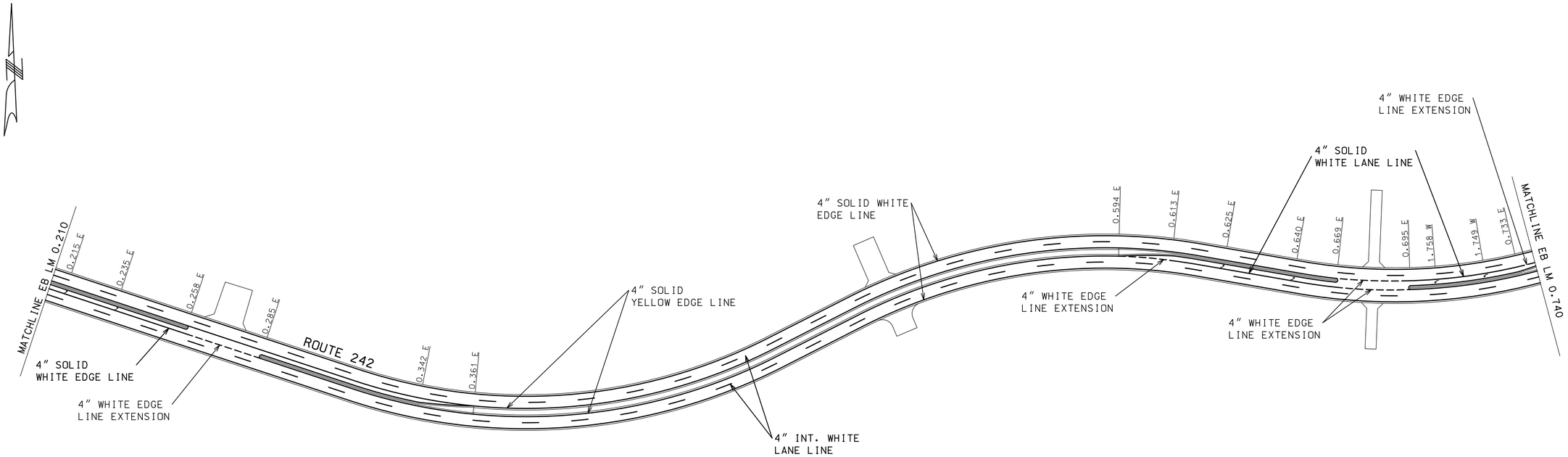
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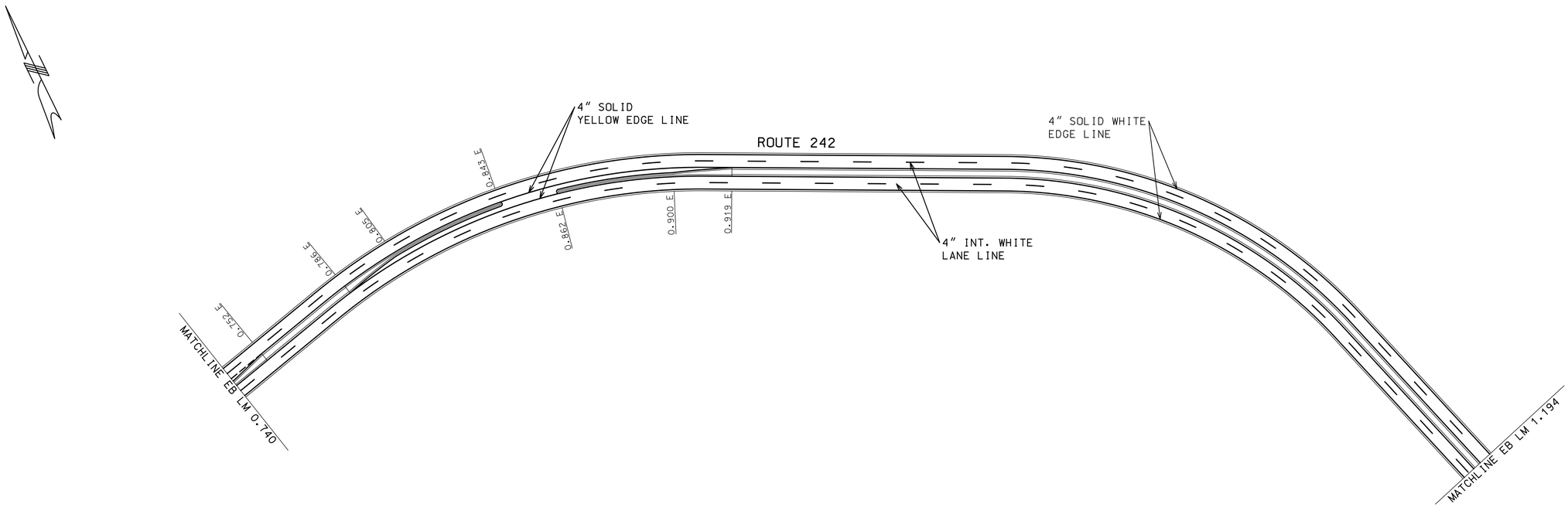
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING SHEET 1 OF 3





SOLID WHITE EDGE LINE TO BE ADDED - NOT CURRENTLY MARKED ON ROUTE

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 1:59:09 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	13

COUNTY
CAMDEN/MILLER

JOB NO.
JCD0200

CONTRACT ID.

PROJECT NO.

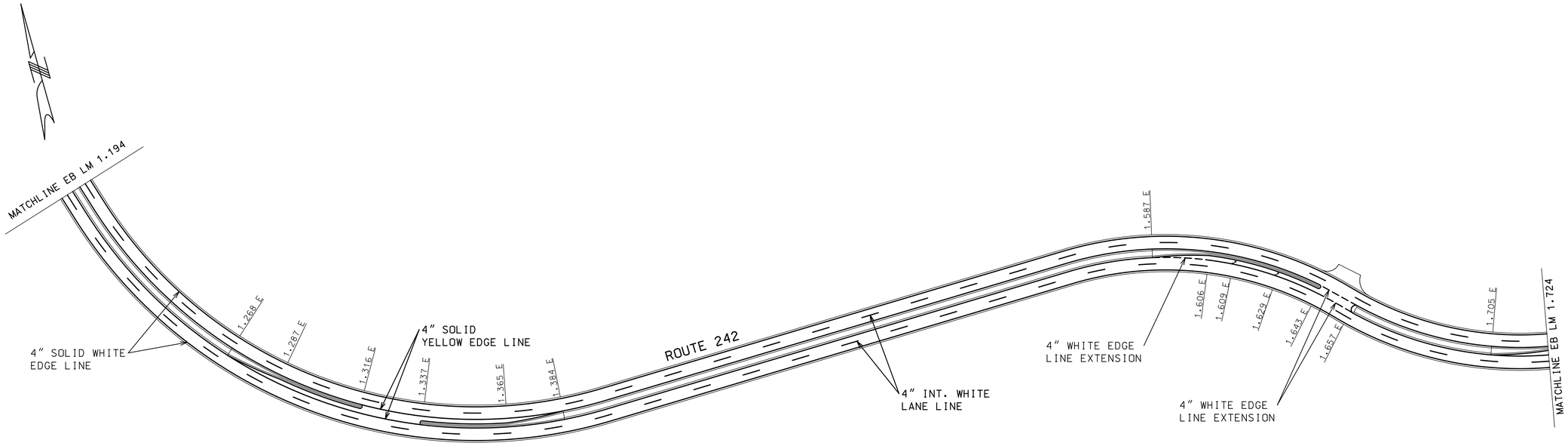
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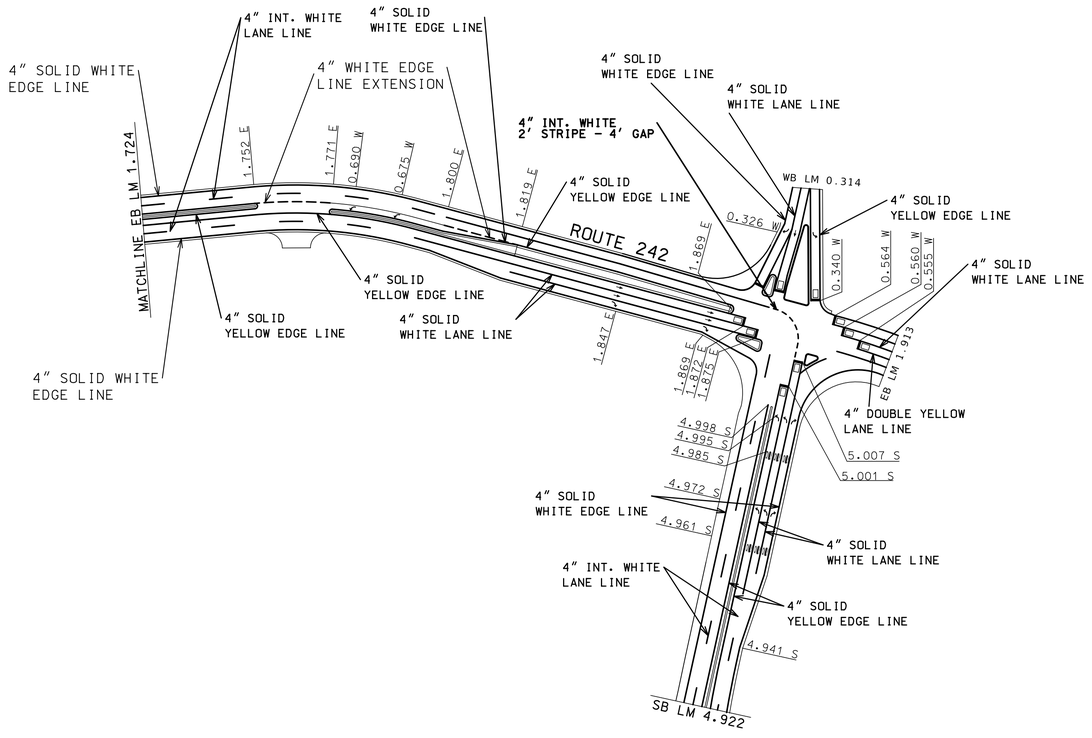
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING
SHEET 2 OF 3





SCALE

0 100 200 300 400 500

SOLID WHITE EDGE LINE TO BE ADDED - NOT CURRENTLY MARKED ON ROUTE

LOOP DETECTORS

STATE OF MISSOURI
RYAN JOSEPH LIBBERT
NUMBER PE-2006019679
PROFESSIONAL ENGINEER

07/28/2025 1:59:17 PM
RYAN JOSEPH LIBBERT - CIVIL
MO-PE-2006019679

DATE PREPARED
7/28/2025

ROUTE	STATE
242/MM	MO
DISTRICT	SHEET NO.
CD	14

COUNTY
CAMDEN/MILLER

JOB NO.
JCD0200

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)

PAVEMENT MARKING SHEET 3 OF 3