MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY

CRAWFORD, DENT, WASHINGTON & ST. FRANCOIS COUNTIES

DESIGN DESIGNATION

ROUTE ZZ (CRAWFORD COUNTY)
A.A.D.T. - 2024 = 3523
V = 55 M.P.H.
FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

ROUTE DD (CRAWFORD COUNTY)
A.A.D.T. - 2024 = 2339
V = 55 M.P.H.
FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

ROUTE E (WASHINGTON COUNTY)
A.A.D.T. - 2024 = 1056
V = 55 M.P.H.
FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

ROUTE U (WASHINGTON COUNTY)
A.A.D.T. - 2024 = 2223
V = 55 M.P.H.
FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

ROUTE F (DENT COUNTY)
A.A.D.T. - 2024 = 635
V = 55 M.P.H.
FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

NO NEW RIGHT OF WAY

KEY MAP

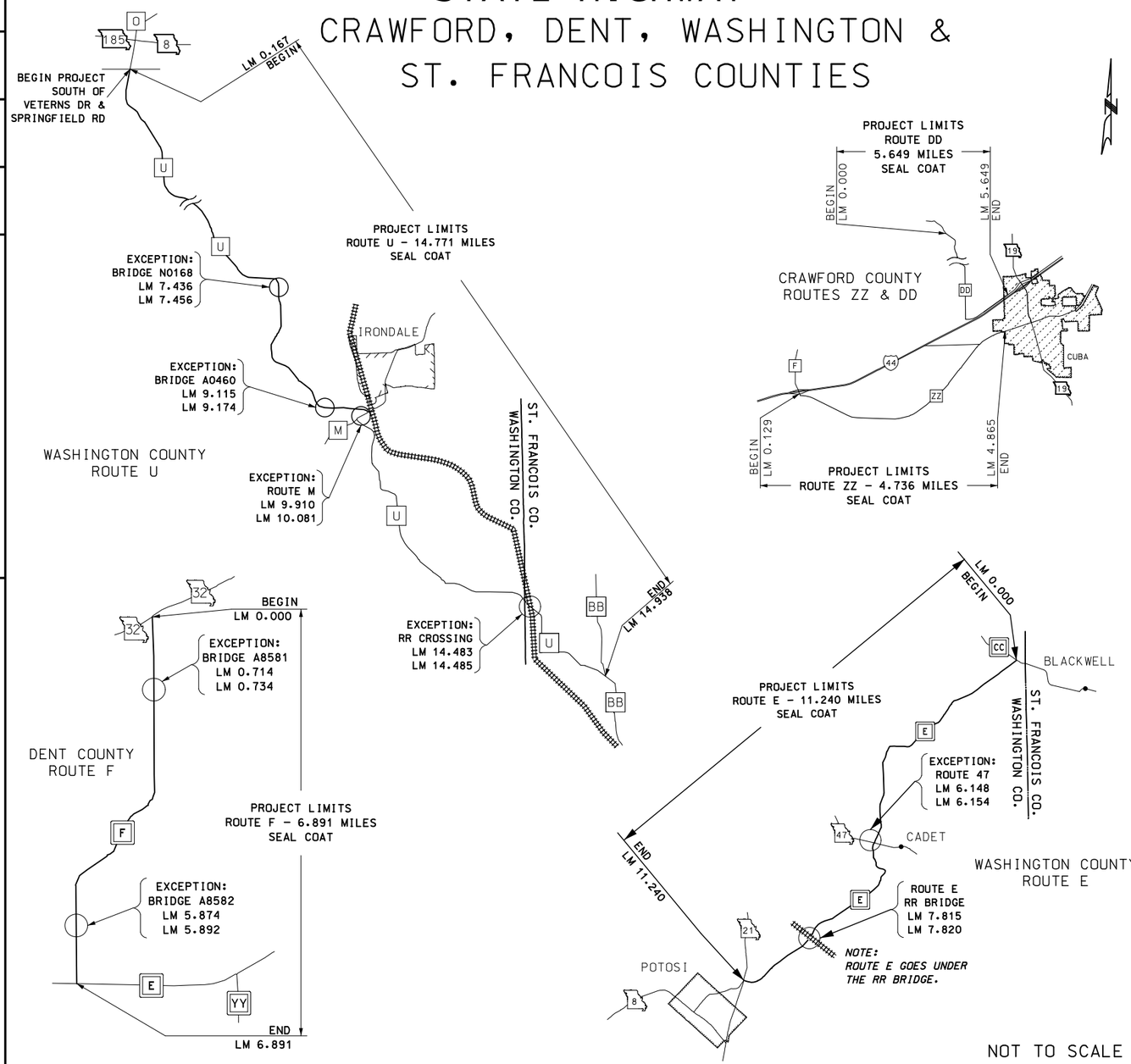
LOCATION OF CRAWFORD, DENT, WASHINGTON & ST. FRANCOIS COUNTIES

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	DI	
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



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
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QUANTITIES (QU) (4 SHEETS)	3
SPECIAL SHEET (SS)	4-5
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LENGTH OF PROJECT

ROUTE ZZ (CRAWFORD COUNTY)
BEGINNING OF PROJECT LOG MILE 0.129
END OF PROJECT LOG MILE 4.865
APPARENT LENGTH 4.736 MILES
EQUATIONS AND EXCEPTIONS: NONE

ROUTE DD (CRAWFORD COUNTY)
BEGINNING OF PROJECT LOG MILE 0.000
END OF PROJECT LOG MILE 5.649
APPARENT LENGTH 5.649 MILES
EQUATIONS AND EXCEPTIONS: NONE

ROUTE E (WASHINGTON COUNTY)
BEGINNING OF PROJECT LOG MILE 0.000
END OF PROJECT LOG MILE 11.240
APPARENT LENGTH 11.240 MILES
EQUATIONS AND EXCEPTIONS:
ROUTE 47
LM 6.148 TO LM 6.154 - 0.006 MILES

ROUTE U (WASHINGTON COUNTY)
BEGINNING OF PROJECT LOG MILE 0.167
END OF PROJECT LOG MILE 14.938
APPARENT LENGTH 14.771 MILES
EQUATIONS AND EXCEPTIONS:
BRIDGE N0168
LM 7.436 TO LM 7.456 - 0.020 MILES
BRIDGE A0460
LM 9.115 TO LM 9.174 - 0.059 MILES
ROUTE M
LM 9.910 TO LM 10.081 - 0.171 MILES
RR CROSSING
LM 14.483 TO LM 14.485 - 0.002 MILES

ROUTE F (DENT COUNTY)
BEGINNING OF PROJECT LOG MILE 0.000
END OF PROJECT LOG MILE 6.891
APPARENT LENGTH 6.891 MILES
EQUATIONS AND EXCEPTIONS:
BRIDGE A8581
LM 0.714 TO LM 0.734 - 0.020 MILES
BRIDGE A8582
LM 5.874 TO LM 5.892 - 0.018 MILES

TOTAL CORRECTIONS -1,562.88 FEET
NET LENGTH OF PROJECT 226,992.48 FEET
STATE LENGTH 42.991 MILES

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 0 ACRES

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
07/21/2025 10:45:04 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

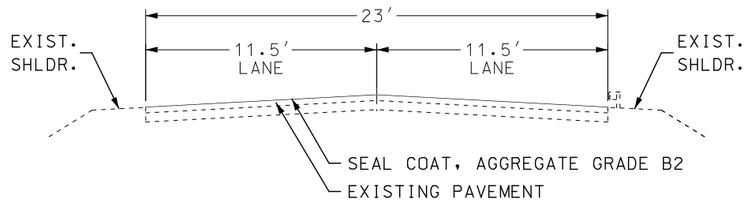
DATE PREPARED 7/21/2025

ROUTE	STATE
VARIOUS	MO
DISTRICT	SHEET NO.
CD	1

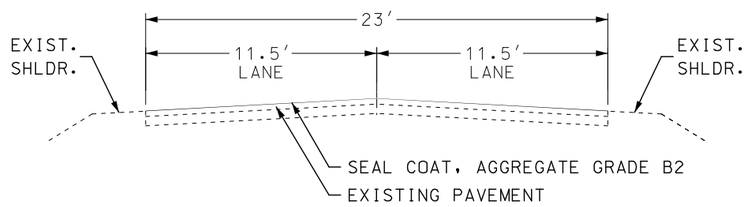
COUNTY: VARIOUS
JOB NO.: JCD0208
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

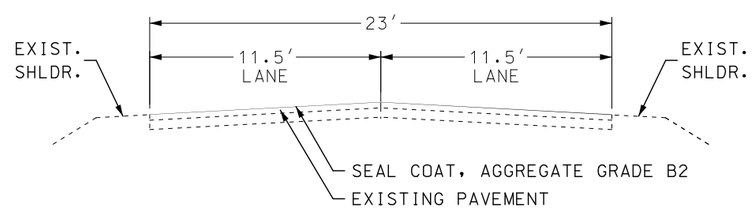
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



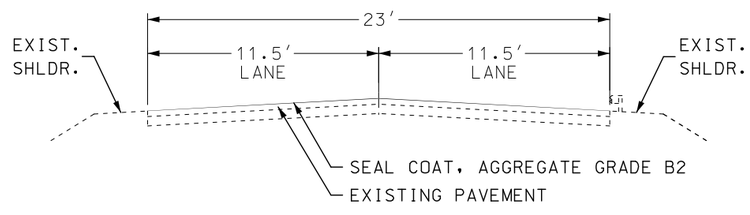
PROPOSED TYPICAL SECTION
ROUTE ZZ (CRAWFORD COUNTY)
LM 0.129 TO LM 0.178 (BEGIN/GUARDRAIL/RT.)



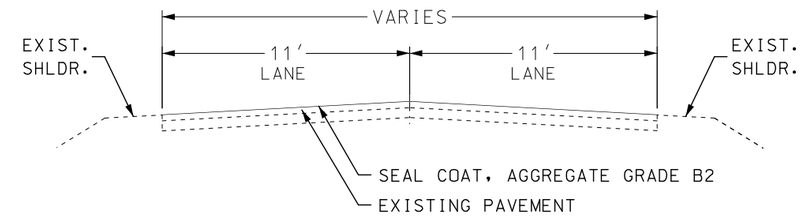
PROPOSED TYPICAL SECTION
ROUTE ZZ (CRAWFORD COUNTY)
LM 0.178 TO LM 4.865



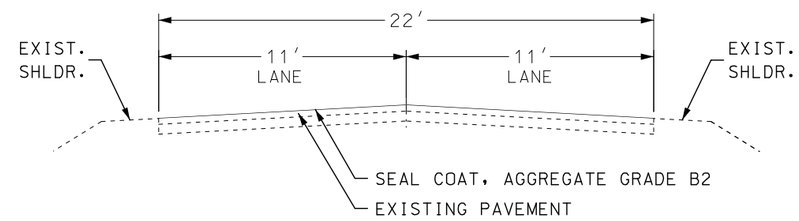
PROPOSED TYPICAL SECTION
ROUTE DD (CRAWFORD COUNTY)
LM 0.000 TO LM 5.154 (BEGIN)
LM 5.454 TO LM 5.649



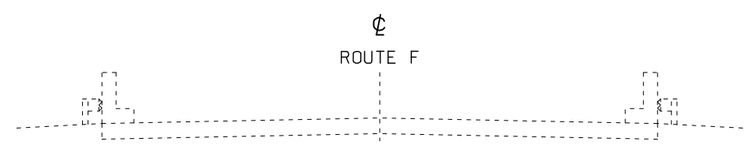
PROPOSED TYPICAL SECTION
ROUTE DD (CRAWFORD COUNTY)
LM 5.154 TO LM 5.454 (GUARDRAIL/RT.)



PROPOSED TYPICAL SECTION
ROUTE F (DENT COUNTY)
LM 0.000 TO LM 0.020 (BEGIN/RTE 32)
LM 6.873 TO LM 6.891 (END/RTE E)



PROPOSED TYPICAL SECTION
ROUTE F (DENT COUNTY)
LM 0.020 TO LM 0.714
LM 0.734 TO LM 5.874
LM 5.892 TO LM 6.873



PROPOSED TYPICAL SECTION
ROUTE F (DENT COUNTY)
LM 0.714 TO LM 0.734 (EXCEPTION: BRIDGE A8581)
LM 5.874 TO LM 5.892 (EXCEPTION: BRIDGE A8582)

BINDER APPLICATION RATE	0.28 GAL/YD^2

NOT TO SCALE

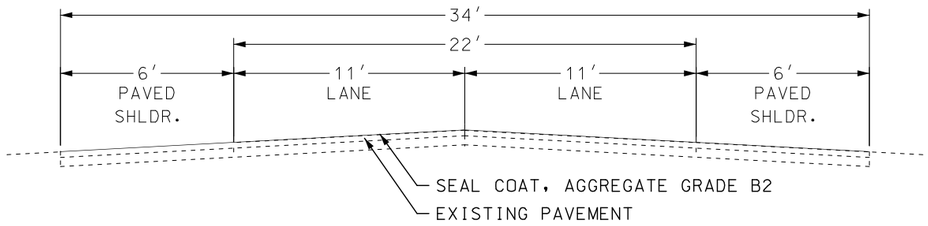
TYPICAL SECTIONS
ROUTES ZZ, DD & F
SHEET 1 OF 3

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
07/21/2025 10:45:37 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

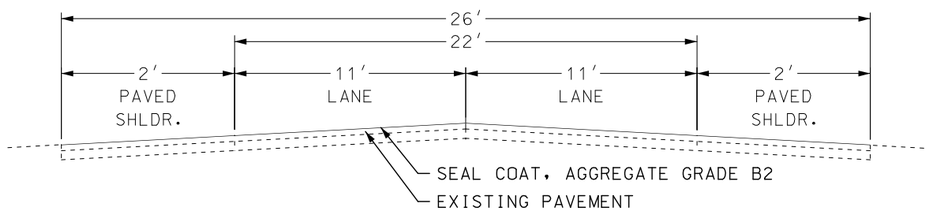
DATE PREPARED	7/21/2025
ROUTE	VARIOUS
STATE	MO
DISTRICT	CD
SHEET NO.	2
COUNTY	VARIOUS
JOB NO.	JCD0208
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

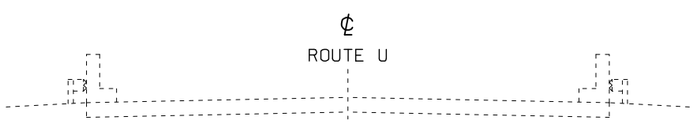
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



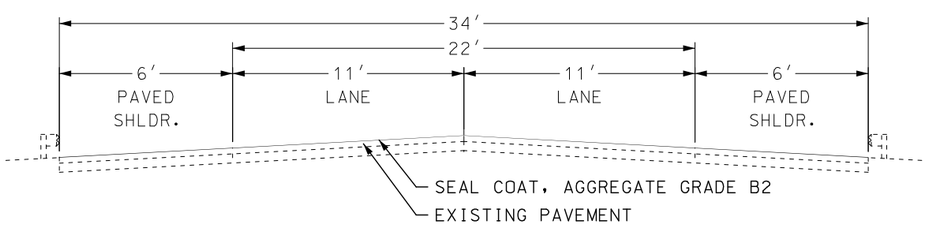
PROPOSED TYPICAL SECTION
ROUTE U (WASHINGTON COUNTY)
LM 0.167 TO LM 0.403



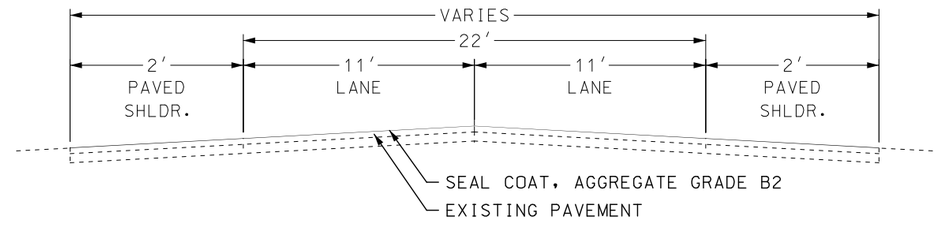
PROPOSED TYPICAL SECTION
ROUTE U (WASHINGTON COUNTY)
LM 0.403 TO LM 7.436
LM 7.456 TO LM 9.115
LM 9.174 TO LM 9.375
LM 9.439 TO LM 9.896



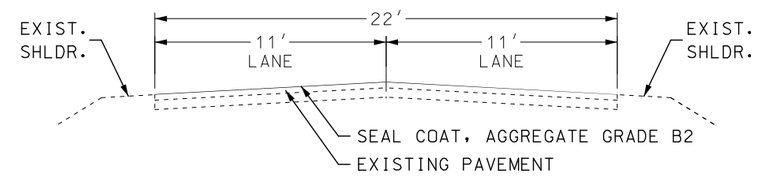
PROPOSED TYPICAL SECTION
ROUTE U (WASHINGTON COUNTY)
LM 7.436 TO LM 7.456 (EXCEPTION: BRIDGE N0168)
LM 9.115 TO LM 9.174 (EXCEPTION: BRIDGE A0460)



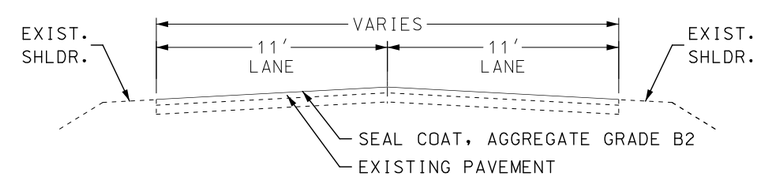
PROPOSED TYPICAL SECTION
ROUTE U (WASHINGTON COUNTY)
LM 9.375 TO LM 9.439



PROPOSED TYPICAL SECTION
ROUTE U (WASHINGTON COUNTY)
LM 9.896 TO LM 9.910 (END/RTE. M)
LM 9.910 TO LM 10.081 (EXCEPTION: RTE. M)



PROPOSED TYPICAL SECTION
ROUTE U (WASHINGTON COUNTY)
LM 10.081 TO LM 10.091 (BEGIN/RTE. M)
LM 10.091 TO LM 14.483
LM 14.483 TO LM 14.485 (EXCEPTION: RR CROSSING)
LM 14.485 TO LM 14.906



PROPOSED TYPICAL SECTION
ROUTE U (WASHINGTON COUNTY)
LM 14.906 TO LM 14.938 (END/RTE. BB)

BINDER APPLICATION RATE	0.28 GAL/YD²

NOT TO SCALE

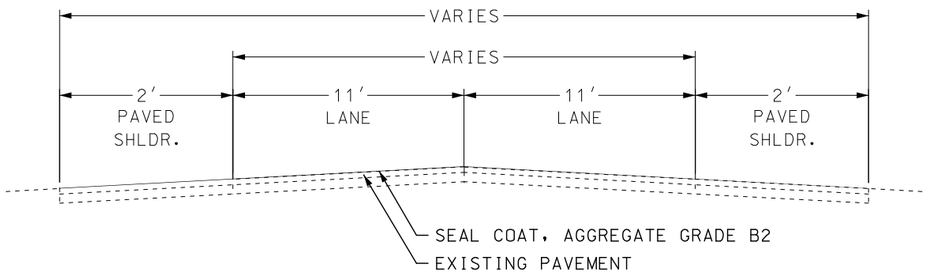
TYPICAL SECTIONS
ROUTE U
SHEET 2 OF 3

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
07/21/2025 10:46:06 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED	7/21/2025
ROUTE	VARIOUS
STATE	MO
DISTRICT	CD
SHEET NO.	2
COUNTY	VARIOUS
JOB NO.	JCD0208
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

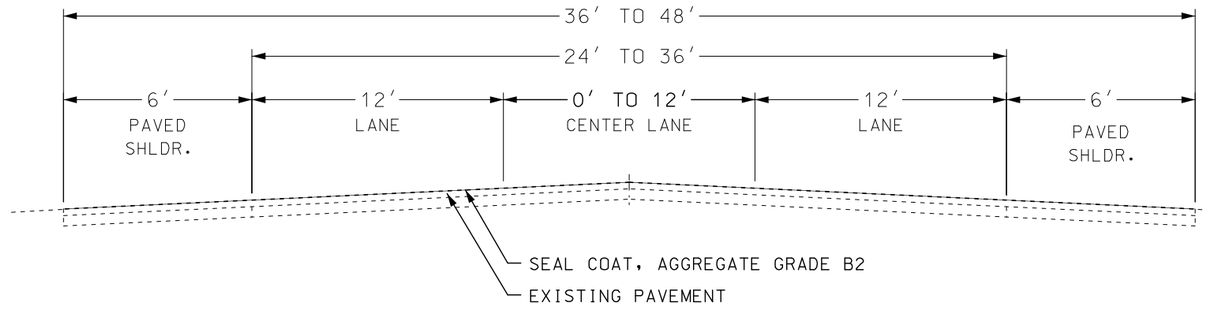
DATE	DESCRIPTION

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



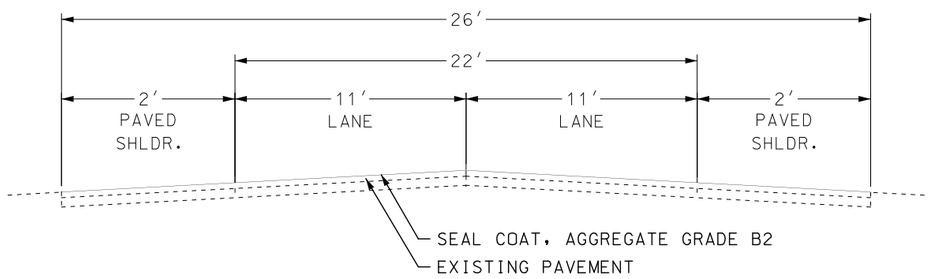
PROPOSED TYPICAL SECTION
ROUTE E (WASHINGTON COUNTY)

LM 0.000 TO LM 0.009 (BEGIN)
LM 6.140 TO LM 6.148 (ENTRANCE/RTE 47)
LM 6.148 TO LM 6.154 (EXCEPTION: RTE 47)
LM 6.154 TO LM 6.165 (ENTRANCE/RTE 47)



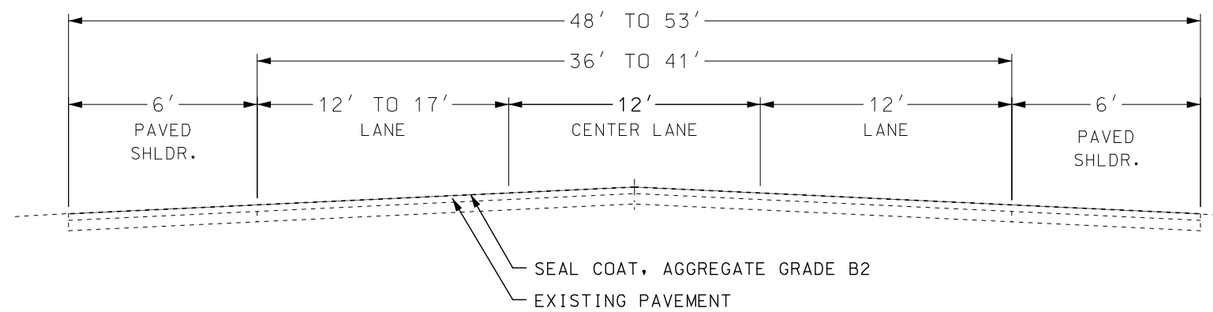
PROPOSED TYPICAL SECTION
ROUTE E (WASHINGTON COUNTY)

LM 11.187 TO LM 11.214



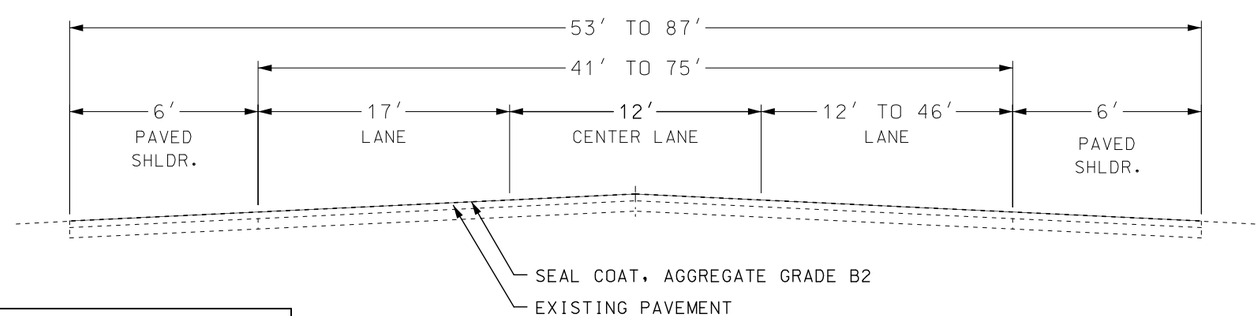
PROPOSED TYPICAL SECTION
ROUTE E (WASHINGTON COUNTY)

LM 0.009 TO LM 6.140
LM 6.165 TO LM 7.815
LM 7.815 TO LM 7.820 (RR BRIDGE)
LM 7.820 TO LM 11.187



PROPOSED TYPICAL SECTION
ROUTE E (WASHINGTON COUNTY)

LM 11.214 TO LM 11.228



PROPOSED TYPICAL SECTION
ROUTE E (WASHINGTON COUNTY)

LM 11.228 TO LM 11.240 (END)

BINDER APPLICATION RATE	0.28 GAL/YD²

NOT TO SCALE

TYPICAL SECTIONS
ROUTE E
SHEET 3 OF 3

STATE OF MISSOURI
MARIA K. PETERS
NUMBER
PE-2000162118
PROFESSIONAL ENGINEER

Maria Peters
07/21/2025 10:46:38 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED	7/21/2025
ROUTE	VARIOUS
STATE	MO
DISTRICT	CD
SHEET NO.	2
COUNTY	VARIOUS
JOB NO.	JCD0208
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)

MODIFIED SEAL COAT AGGREATE GRADE B2 (ROUTE ZZ / CRAWFORD COUNTY)

LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	WIDTH (FT)	AREA (SF)	MODIFIED SEAL COAT AGGREGATE GRADE B2 (SY)	EMULSIFIED ASPHALT SEAL COAT (GAL)	REMARKS
0.129	0.178	ROUTE ZZ	258.72	23	5950.6	661	185.1	BEGIN AT RTE F / GUARDRAIL / RT.
0.178	4.814	ROUTE ZZ	24478.08	23	562995.8	62555.1	17515.4	
4.814	4.865	ROUTE ZZ	269.28	23	6193.4	688.2	192.7	END AT MCLEOD ST
				7803.0	SUB-TOTAL	63904.3	17893.2	
					USE	63904	17893	

MODIFIED SEAL COAT AGGREATE GRADE B2 (ROUTE DD / CRAWFORD COUNTY)

LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	WIDTH (FT)	AREA (SF)	MODIFIED SEAL COAT AGGREGATE GRADE B2 (SY)	EMULSIFIED ASPHALT SEAL COAT (GAL)	REMARKS
0.000	5.154	ROUTE DD	27213.12	23	625901.8	69544.6	19472.5	BEGIN AT END OF STATE MAINTENANCE / 11.5' LANES
5.154	5.454	ROUTE DD	1584.00	23	36432.0	4048.0	1133.4	GUARDRAIL / RT.
5.454	5.649	ROUTE DD	1029.60	23	23680.8	2631.2	736.7	
				7803.0	SUB-TOTAL	76223.8	21342.6	
					USE	76224	21343	

MODIFIED SEAL COAT AGGREATE GRADE B2 (ROUTE U / WASHINGTON COUNTY)

LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	WIDTH (FT)	AREA (SF)	MODIFIED SEAL COAT AGGREGATE GRADE B2 (SY)	EMULSIFIED ASPHALT SEAL COAT (GAL)	REMARKS
0.167	0.403	ROUTE U	1246.08	34	42366.7	4707.4	1318.1	BEGIN SOUTH OF VETERANS DR & SPRINGTOWN RD
0.403	7.436	ROUTE U	37134.24	26	965490.2	107276.7	30037.5	
7.436	7.456	ROUTE U						EXCEPTION: BRIDGE N0168
7.456	9.115	ROUTE U	8759.52	26	227747.5	25305.3	7085.5	
9.115	9.174	ROUTE U						EXCEPTION: BRIDGE A0460
9.174	9.375	ROUTE U	1061.28	26	27593.3	3065.9	858.5	
9.375	9.439	ROUTE U	337.92	34	11489.3	1276.6	357.4	
9.439	9.896	ROUTE U	2412.96	26	62737.0	6970.8	1951.8	
9.896	9.910	ROUTE U	73.92	VARIES	4727.5	525.3	147.1	END / RTE M
9.910	10.081	ROUTE U						EXCEPTION: RTE M
10.081	10.091	ROUTE U	52.80	VARIES	2799.9	311.1	87.1	BEGIN / RTE M
10.091	14.483	ROUTE U	23189.76	22	510174.7	56686.1	15872.1	
14.483	14.485	ROUTE U						EXCEPTION: RR CROSSING
14.485	14.906	ROUTE U	2222.88	22	48903.4	5433.7	1521.4	
14.906	14.938	ROUTE U	168.96	VARIES	4053.0	450.3	126.1	END AT RTE BB
14.906	14.933	ROUTE U	142.56	VARIES	3987.9	443.1	124.1	PAVED AREA BETWEEN RTE U & RTE BB
				7803.0	SUB-TOTAL	212452.3	59486.7	
					USE	212452	59487	

SUMMARY OF QUANTITIES
SHEET 1 OF 4

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
07/21/2025 10:47:05 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED: 7/21/2025
ROUTE: VARIOUS
STATE: MO
DISTRICT: CD
SHEET NO.: 3
COUNTY: VARIOUS
JOB NO.: JCD0208
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)

MODIFIED SEAL COAT AGGREATE GRADE B2 (ROUTE E / WASHINGTON COUNTY)

LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	WIDTH (FT)	AREA (SF)	MODIFIED SEAL COAT AGGREGATE GRADE B2 (SY)	EMULSIFIED ASPHALT SEAL COAT (GAL)	REMARKS
0.000	0.009	ROUTE E	50.00	VARIES	2717.1	301.9	84.5	BEGIN AT RTE CC
0.009	6.140	ROUTE E	32371.68	26	841663.7	93518.2	26185.1	
6.140	6.148	ROUTE E	42.24	VARIES	2211.0	245.7	68.8	NORTH OF RTE 47
6.148	6.154	ROUTE E	31.68					EXCEPTION: RTE 47
6.154	6.165	ROUTE E	58.08	VARIES	2630.5	292.3	81.8	SOUTH OF RTE 47
6.165	11.187	ROUTE E	26516.16	26	689420.2	76602.2	21448.6	
11.187	11.214	ROUTE E	142.56	VARIES	5958.2	662.0	185.4	CENTER TAPER
11.214	11.228	ROUTE E	73.92	VARIES	3601.4	400.2	112.1	
11.228	11.240	ROUTE E	63.36	VARIES	2642.7	294	82.3	END AT RTE 21
				7803.0	SUB-TOTAL	172316.5	48248.6	
					USE	172317	48249	

MODIFIED SEAL COAT AGGREATE GRADE B2 (ROUTE F / DENT COUNTY)

LOG MILE	LOG MILE	LOCATION	LENGTH (FT)	WIDTH (FT)	AREA (SF)	MODIFIED SEAL COAT AGGREGATE GRADE B2 (SY)	EMULSIFIED ASPHALT SEAL COAT (GAL)	REMARKS
0.000	0.020	ROUTE F	105.60	VARIES	5654.7	628.3	175.9	BEGIN AT RTE 32
0.020	0.714	ROUTE F	3664.32	22	80615.0	8957.2	2508.0	
0.714	0.734	ROUTE F	105.60					EXCEPTION: BRIDGE A8581
0.734	5.874	ROUTE F	27139.20	22	597062.4	66340.3	18575.3	
5.874	5.892	ROUTE F	95.04					EXCEPTION: BRIDGE A8582
5.892	6.873	ROUTE F	5179.68	22	113953.0	12661.4	3545.2	
6.873	6.891	ROUTE F	95.04	VARIES	7803.0	867.0	242.8	END AT RTE E
				7803.0	SUB-TOTAL	89454.2	25047.2	
					USE	89454	25047	

MODIFIED SEAL COAT AGGREATE GRADE B2 (TOTALS)

LOCATION	MODIFIED SEAL COAT AGGREGATE GRADE B2 (SY)	EMULSIFIED ASPHALT SEAL COAT (GAL)	REMARKS
ROUTE ZZ (CRAWFORD COUNTY)	63904	17893	
ROUTE DD (CRAWFORD COUNTY)	76224	21343	
ROUTE U (WASHINGTON COUNTY)	212452	59487	
ROUTE E (WASHINGTON COUNTY)	172317	48249	
ROUTE F (DENT COUNTY)	89454	25047	
	614351.0	172019.0	
	614351	172019	

SUMMARY OF QUANTITIES
SHEET 2 OF 4

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
07/21/2025 10:47:39 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED: 7/21/2025
ROUTE: VARIOUS
STATE: MO
DISTRICT: CD
SHEET NO.: 3
COUNTY: VARIOUS
JOB NO.: JCD0208
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

LOG MILE	LOG MILE	LENGTH (FT)	LOCATION	CLASS 1 18-MIL (TYPE P BEADS) 4" SOLID YELLOW (LF)	CLASS 1 18-MIL (TYPE P BEADS) 4" SOLID WHITE (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING STOP BARS 24" SOLID WHITE (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING LT / RT ARROW WHITE (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING RR CROSSING SYMBOL WHITE (EA)	REMARKS
ROUTE ZZ (CRAWFORD COUNTY)									
0.129	4.865	25006.08	ROUTE ZZ	50012.2	50012.2				BEGIN AT RTE F & END AT MCLEOD ST.
ROUTE DD (CRAWFORD COUNTY)									
0.000	5.649	29826.72	ROUTE DD	59653.4	59653.4				BEGIN AT THE END OF STATE MAINTENANCE
ROUTE U (WASHINGTON COUNTY)									
0.167	9.910	51443.04	ROUTE U	102886.1	102886.1				BEGIN SOUTH OF OF VETERANS DR & SPRINGTOWN DR
9.910	10.081	902.88	ROUTE U						EXCEPTION: RTE M
10.081	14.938	25644.96	ROUTE U	51289.9					FROM ROUTE M TO RTE BB
9.902			ROUTE U			12.0			RTE M / SBL
10.085			ROUTE U			12.0			RTE M / NBL
14.418			ROUTE U					1.0	SB LANE
14.478			ROUTE U			12.0			SB LANE AT RR CROSSING
14.495			ROUTE U			12.0			NB LANE AT RR CROSSING
14.567			ROUTE U					1.0	NB LANE
ROUTE E (WASHINGTON COUNTY)									
0.000	6.148	32461.44	ROUTE E	64922.9	64922.9				BEGIN AT RTE CC
6.148	6.154		ROUTE E						EXCEPTION: RTE 47
6.154	11.187	26574.24	ROUTE E	53148.5	53148.5				
11.187	11.200	68.64	ROUTE E	274.6	137.3				
11.200	11.214	73.92	ROUTE E	147.8	147.8				
11.214	11.234	105.60	ROUTE E	211.2	316.8				
11.234	11.237	15.84	ROUTE E		47.5				
11.237	11.240	15.84	ROUTE E		31.7				
6.143			ROUTE E			12.0			RTE. E / NORTH OF RTE. 47
6.160			ROUTE E			12.0			RTE E / SOUTH OF RTE. 47
11.217			ROUTE E				1.0		LT. TURN ARROW / CENTER LANE
11.234			ROUTE E			12.0			CENTER LANE
11.237			ROUTE E			12.0			END AT RTE 21 / THRU / RT TURN LANE
ROUTE F (DENT COUNTY)									
0.000	0.020	105.60	ROUTE F		211.2				BEGIN AT RTE 32
0.020	6.873	36183.84	ROUTE F	72367.7	72367.7				
6.873	6.891	95.04	ROUTE F		190.1				END AT RTE E
		SUB-TOTAL		454914.3	404073.2	96.0	1.0	2.0	
TOTAL				454914	404073	96	1	2	

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

GUARDRAIL

LOG MILE	LOG MILE	LOCATION	MGS GUARDRAIL LF	TYPE A CRASHWORTHY END TERMINAL MASH EA	SHAPING SLOPES CLASS III AREA (100 FT.)	REMARKS
		ROUTE ZZ	500	2	7.5	GUARDRAIL BEGINS ON S. OUTER RD. & ENDS ON RTE. ZZ (SEE SPECIAL SHEET 1 OF 2)
5.164	5.467	ROUTE DD	1,500	2	17.5	
		TOTAL	2000	4	25	

GUARDRAIL TO BE PLACED IN EXISTING LOCATIONS. VERIFY LOCATION IN THE FIELD BEFORE INSTALLATION.

REMOVAL OF IMPROVEMENTS

LOG MILE	LOG MILE	LOCATION	ITEM	REMARKS
		ROUTE ZZ	REMOVE GUARDRAIL, C.E.T'S & POSTS	REMOVE GUARDRAIL, C.E.T.'S & POSTS - 600 FT
5.164	5.467	ROUTE DD	REMOVE GUARDRAIL, C.E.T'S & POSTS	REMOVE GUARDRAIL, C.E.T'.S & POSTS - 1600 FT
1 LUMP SUM				

SUMMARY OF QUANTITIES
SHEET 3 OF 4

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
07/21/2025 10:48:03 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED: 7/21/2025
ROUTE: VARIOUS
STATE: MO
DISTRICT: CD
SHEET NO.: 3
COUNTY: VARIOUS
JOB NO.: JCD0208
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)

REMOVAL OF PAVEMENT MARKINGS & SYMBOLS

LOG MILE	LOG MILE	LENGTH (FT)	LOCATION	STOP BARS 24" SOLID WHITE (LF)	LT / RT ARROW WHITE (EA)	RR CROSSING SYMBOL WHITE (EA)	REMARKS
ROUTE U (WASHINGTON COUNTY)							
9.902			ROUTE U	12.0			RTE M / SBL
10.085			ROUTE U	12.0			RTE M / NBL
14.418			ROUTE U			1.0	SB LANE
14.478			ROUTE U	12.0			SB LANE AT RR CROSSING
14.495			ROUTE U	12.0			NB LANE AT RR CROSSING
14.567			ROUTE U			1.0	NB LANE
ROUTE E (WASHINGTON COUNTY)							
6.143			ROUTE E	12.0			RTE. E / NORTH OF RTE. 47
6.160			ROUTE E	12.0			RTE E / SOUTH OF RTE. 47
11.217			ROUTE E		1.0		LT. TURN ARROW / CENTER LANE
11.234			ROUTE E	12.0			CENTER LANE
11.237			ROUTE E	12.0			END AT RTE 21 / THRU / RT TURN LANE
SUB-TOTAL				96.0	1.0	2.0	
PAY TOTAL				96	3		

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

MOBILIZATION

1 LUMP SUM

CONSTRUCTION SIGNS

SIGN NO.	SIGN	SIGN (in)	AREA (sf)	QTY.	TOTAL AREA (sf)	DESCRIPTION
1	G020-1	60 x 24	10.00	10	100.00	ROAD WORK NEXT 5 MILES (6, 14, 11, 7 MILES)
2	W020-1	48 x 48	16.00	53	848.00	ROAD WORK AHEAD
7	W020-4	48 x 48	16.00	77	1232.00	ONE LANE ROAD AHEAD
8	W020-7a	48 x 48	16.00	53	848.00	FLAGGER (SYMBOL) WITH FLAGS
26	G020-2	48 x 24	8.00	10	80.00	END ROAD WORK
35	W08-12	48 x 48	16.00	46	736.00	NO CENTER LINE
53	G020-4	36 x 18	4.5	5	22.50	PILOT CAR FOLLOW ME
57	W08-7a	48 x 48	16.00	88	1408.00	FRESH OIL LOOSE GRAVEL
58	G020-8a	42 x 30	8.75	7	61.25	PILOT CAR IN USE WAIT & FOLLOW
58	G020-8a	18 x 12	1.50	34	51.00	PILOT CAR IN USE WAIT & FOLLOW
59	CONST-8	48 x 36	12.00	10	120.00	WORK ZONE NO PHONE ZONE
	G022-1	21 x 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
					5515.51	
				TOTAL	5516	
1 LUMP SUM						

ADDITIONAL CONSTRUCTION ITEMS

ITEM NO.	DESCRIPTION	QTY.
	CHANNELIZERS (TRIMLINE)	250
616-1098A	MESSAGE BOARD	10 ✱✱

✱✱ NOT INCLUDED IN LUMP SUM
TRAFFIC CONTROL QUANTITY.

TEMPORARY TRAFFIC CONTROL

PAY TOTAL= 1 LUMP SUM

NOTES:
REFER TO STANDARD PLAN 616.10 AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.

SIGN AND DEVICE LOCATIONS WILL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.

ALL TRAFFIC CONTROL IS INCLUDED IN PAY ITEM 616-99.01, LUMP SUM TRAFFIC CONTROL UNLESS NOTED OTHERWISE IN THE PLANS. THESE QUANTITIES ARE ONLY AN ESTIMATE AND ARE SUBJECT TO CHANGE BASED UPON FIELD CONDITIONS.

THE ESTIMATED QUANTITIES SHOWN FOR TEMPORARY TRAFFIC CONTROL ITEMS ASSUME THAT WORK MAY BE DONE ON ALL ROUTES AT THE SAME TIME.

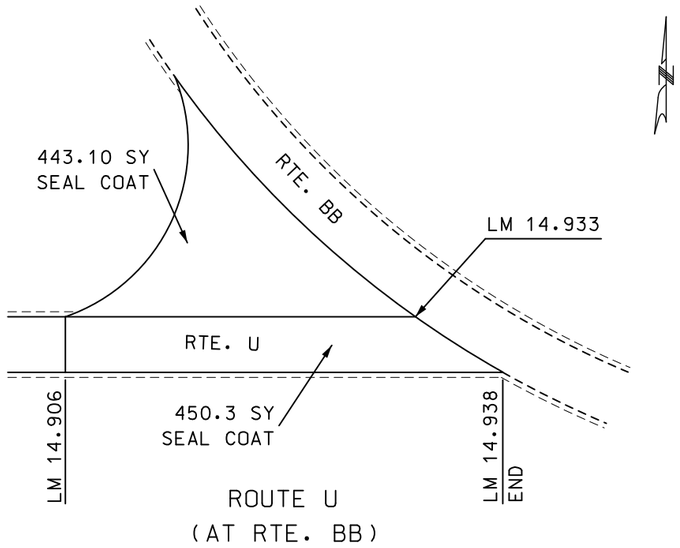
SUMMARY OF QUANTITIES
SHEET 4 OF 4

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
08/25/2025 11:15:53 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

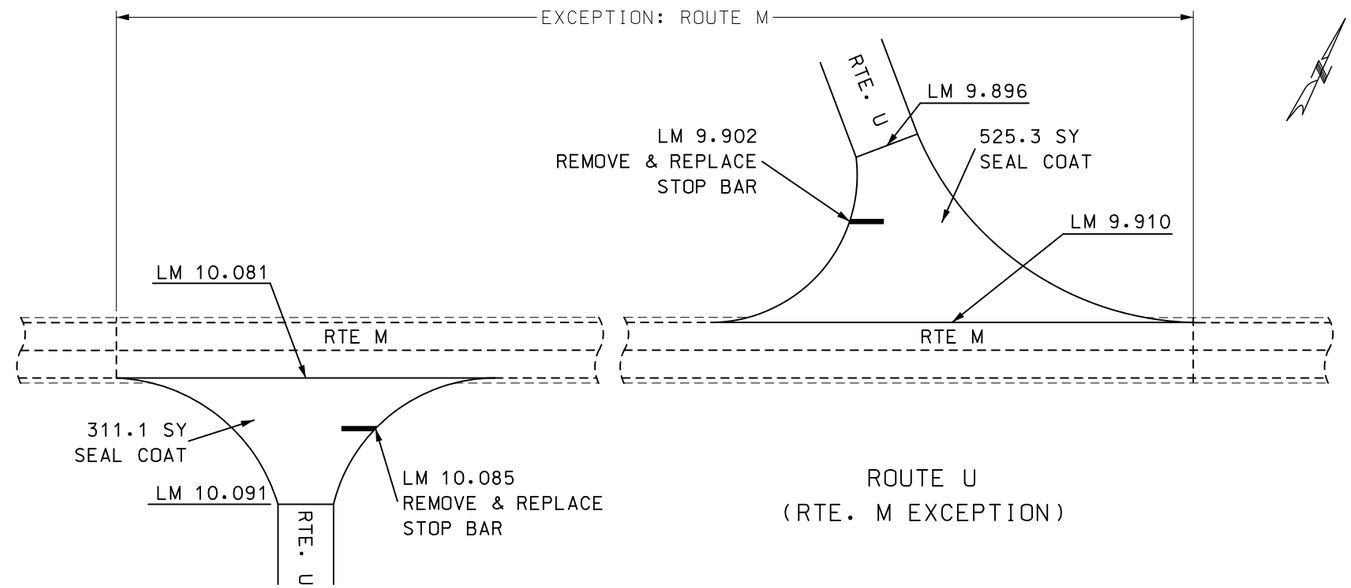
DATE PREPARED 8/25/2025
ROUTE VARIOUS | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY VARIOUS
JOB NO. JCD0208
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

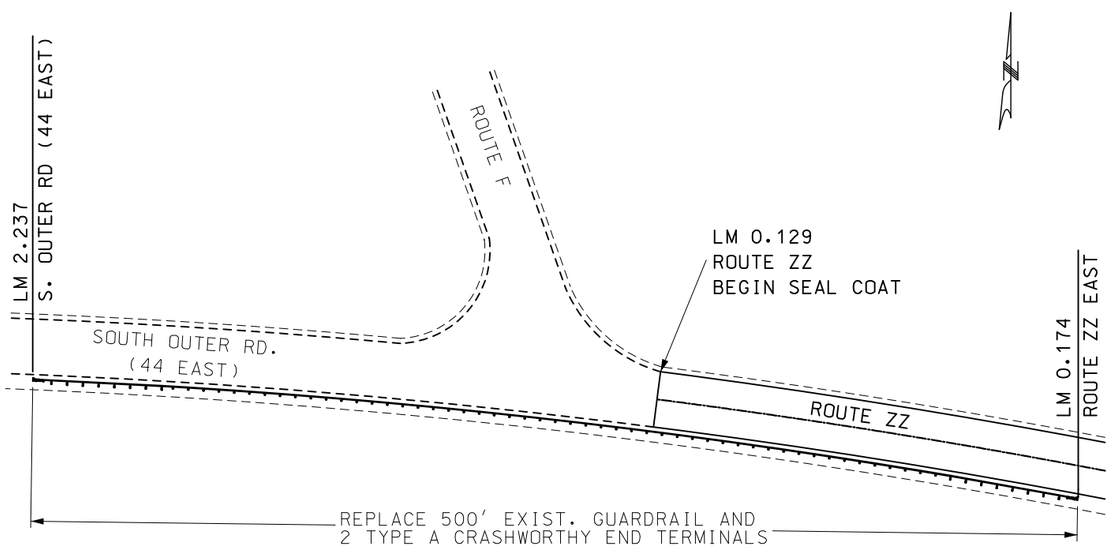
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



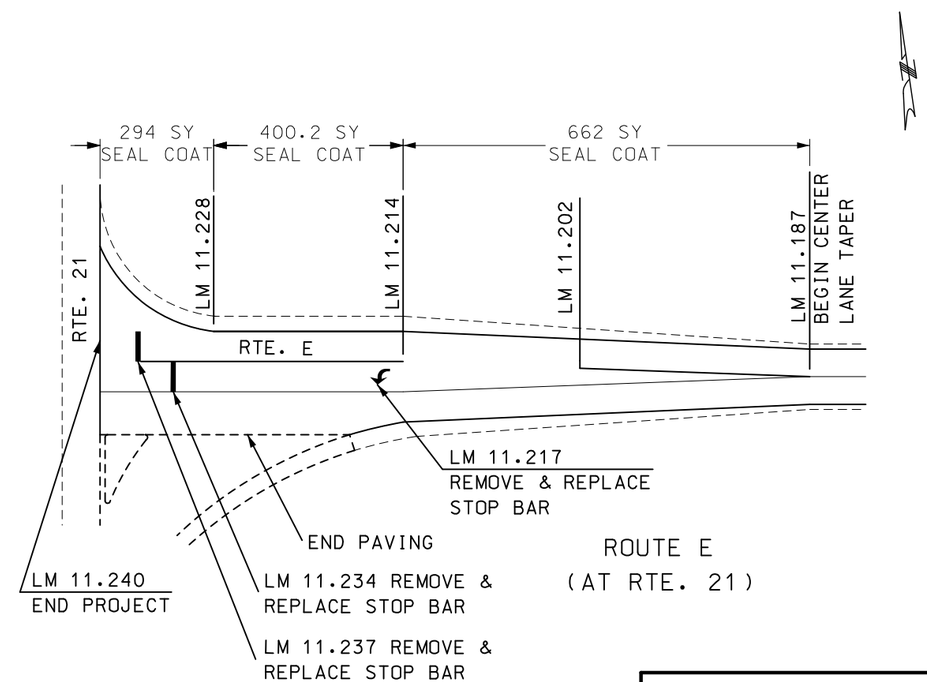
ROUTE U
(AT RTE. BB)



ROUTE U
(RTE. M EXCEPTION)



ROUTE ZZ
(AT S. OUTER RD. & RTE. F)



ROUTE E
(AT RTE. 21)

NOT TO SCALE

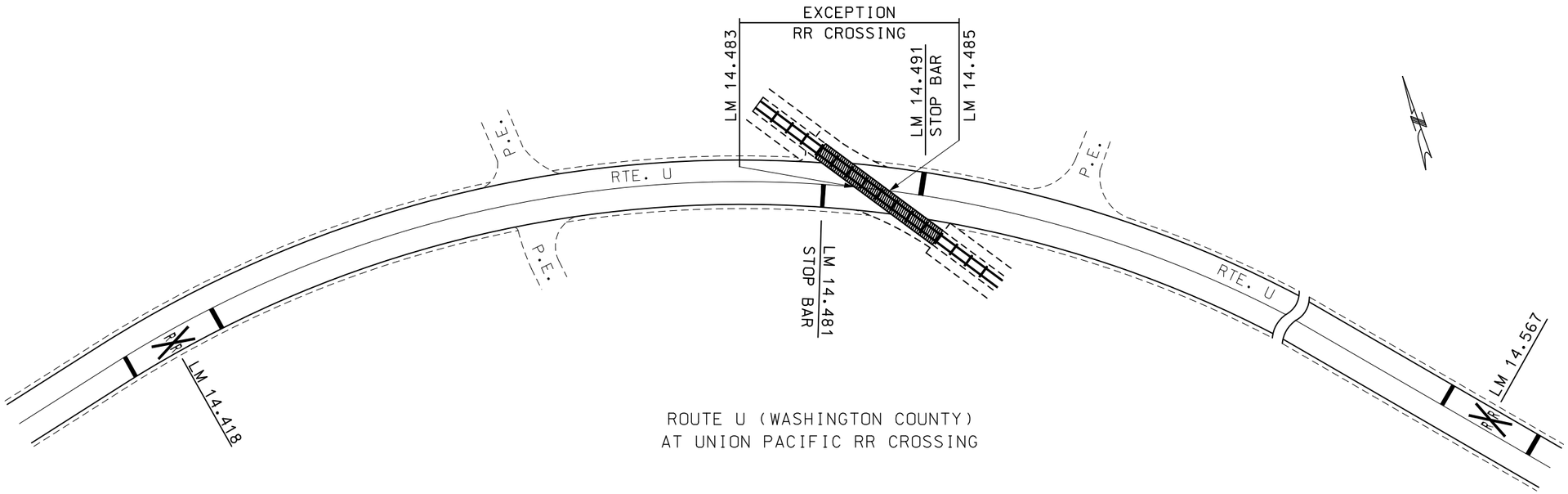
SPECIAL SHEET
ROUTES ZZ, U & E
SHEET 1 OF 2

STATE OF MISSOURI
MARIA K. PETERS
NUMBER
PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
07/21/2025 10:49:26 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED	7/21/2025
ROUTE	VARIOUS
STATE	MO
DISTRICT	CD
SHEET NO.	4
COUNTY	VARIOUS
JOB NO.	JCD0208
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)



ROUTE U (WASHINGTON COUNTY)
AT UNION PACIFIC RR CROSSING

ROUTE E (WASHINGTON COUNTY)
UNDER UNION PACIFIC RAILROAD

NOT TO SCALE

JCD0208 WASHINGTON COUNTY
ROUTE U (AT GRADE RR CROSSING)
ROUTE E (UNDER RR CROSSING)
SHEET 2 OF 2

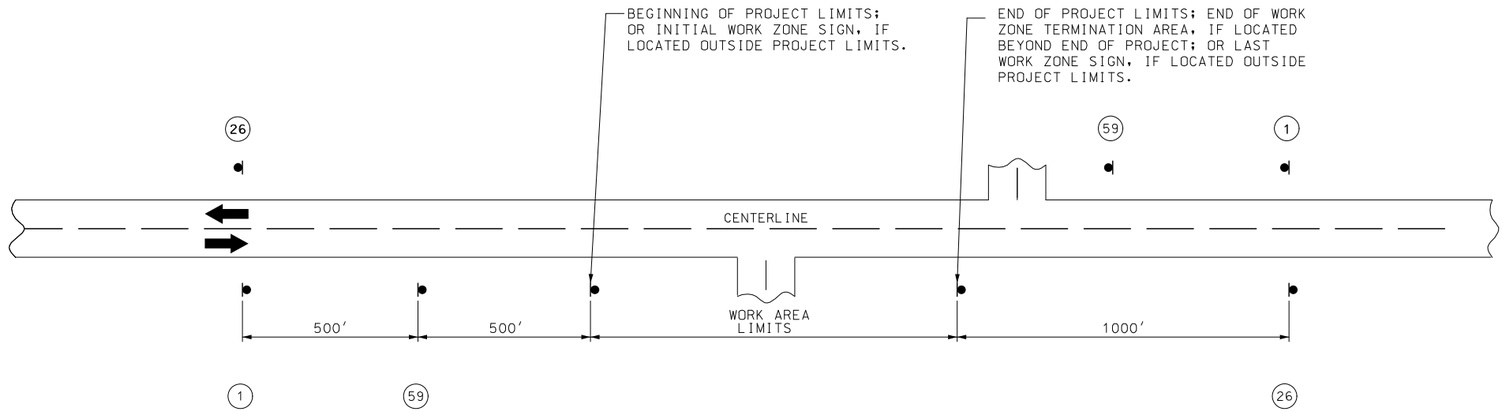
STATE OF MISSOURI
MARIA K. PETERS
NUMBER
PE-2000162118
PROFESSIONAL ENGINEER

Maria Peters
07/21/2025 10:50:49 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED	
7/21/2025	
ROUTE	STATE
VARIOUS	MO
DISTRICT	SHEET NO.
CD	5
COUNTY	
WASHINGTON	
JOB NO.	
JCD0208	
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)

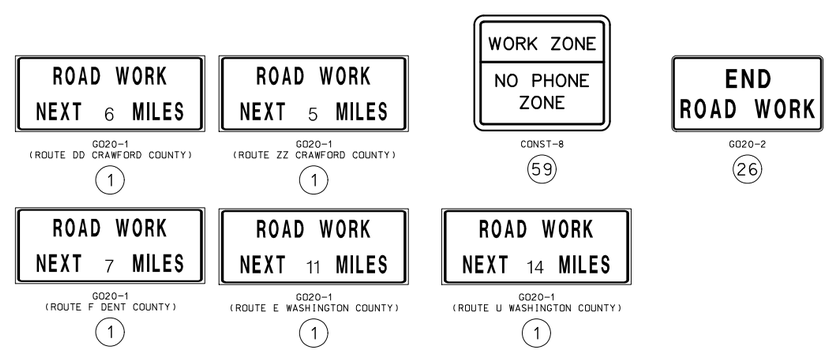


NOTES:

SIGN (1) AND (26) ARE ONLY USED ON PROJECT LENGTHS 2 MILES OR GREATER.

PROVIDE SIGNS IN EACH DIRECTION ON TWO-WAY HIGHWAY.

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.



TRAFFIC CONTROL
SHEET 1 OF 5

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER

Maria Peters
07/21/2025 10:51:41 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED	
7/21/2025	
ROUTE: VARIOUS	STATE: MO
DISTRICT: CD	SHEET NO.: 6
COUNTY: VARIOUS	
JOB NO.: JCD0208	
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)

W020-1

2

W020-4

7

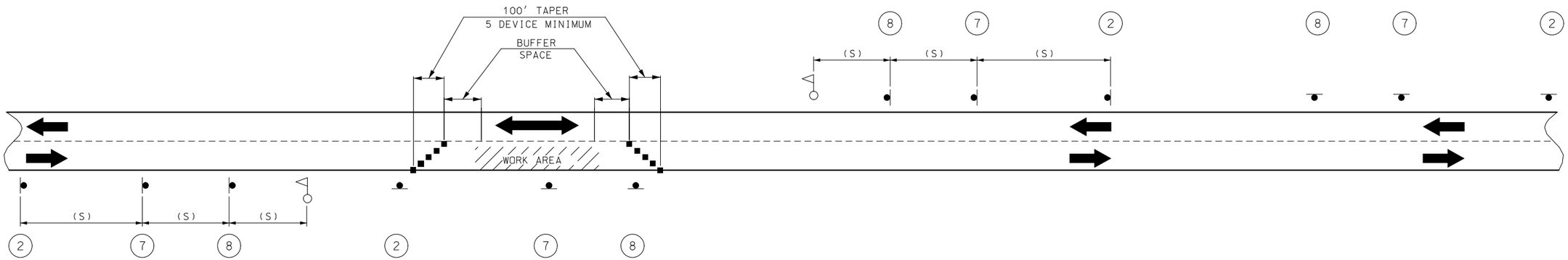
W020-7a

8

G020-4

53

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



NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

CHANNELIZING DEVICES LOCATED DOWNSTREAM OF THE ONE-LANE, TWO-WAY TAPER ARE OPTIONAL. THESE DEVICES SHOULD BE ELIMINATED WHEN THEIR USE WILL REDUCE THE USABLE LANE WIDTH, INCLUDING ANY ACCEPTABLE SHOULDERS, TO LESS THAN 10' OR WILL SIGNIFICANTLY AFFECT THE RESURFACING OPERATION.

SIGN SETS 1 AND 3 ARE ACTIVE AND (I.E., SIGNS FACE ONCOMING TRAFFIC) SIGN SETS 2 AND 4 ARE INACTIVE (I.E., SIGNS DO NOT FACE EITHER DIRECTION OF TRAFFIC) WHEN THE RESURFACING OPERATION IS LOCATED BETWEEN SIGN SETS 1 AND 3.

WHEN SIGN SETS 2 AND 4 ARE ACTIVE, SIGN SETS 1 AND 3 BECOME INACTIVE AND ARE ADVANCED TO BECOME SETS 2 AND 4 WITH SIGN LEGENDS TURNED AWAY FROM BOTH DIRECTIONS OF TRAFFIC. WHEN THE RESURFACING OPERATION ADVANCES TO BETWEEN SIGN SETS 2 AND 4, SIGN SETS 2 AND 4 BECOME ACTIVE (I.E., NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (I.E., NEW SIGN SETS 2 AND 4).

■ - CHANNELIZERS

- FLAGGER

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

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

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

TRAFFIC CONTROL
SHEET 2 OF 5

STATE OF MISSOURI
MARIA K. PETERS
NUMBER
PE-2000162118
PROFESSIONAL ENGINEER

Maria Peters
07/21/2025 10:52:28 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED
7/21/2025

ROUTE	STATE
VARIOUS	MO
DISTRICT	SHEET NO.
CD	7

COUNTY
VARIOUS

JOB NO.
JCD0208

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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

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

SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

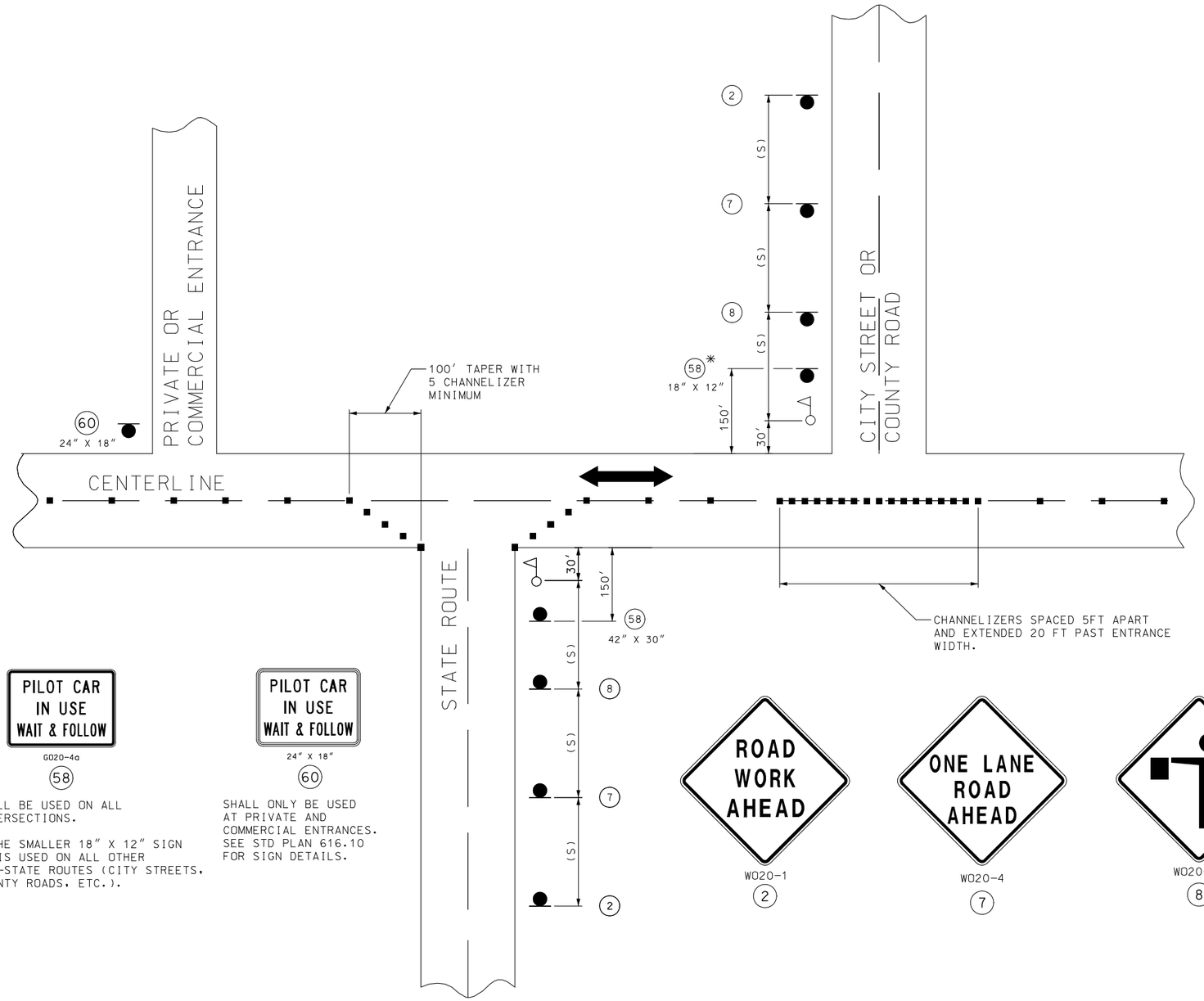
NOTES:
WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.

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

■ - CHANNELIZERS (AS SPECIFIED)

- FLAGGER

NOT TO SCALE



G020-4a
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.).

24" X 18"
60

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

SIDE ROADS ENTERING WORK ZONES

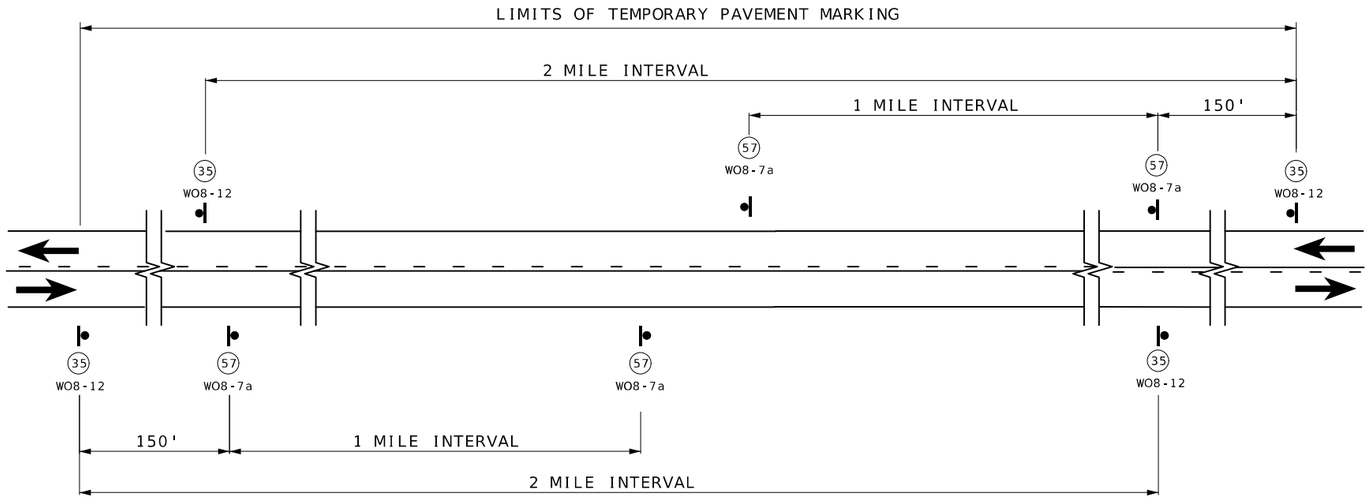
TRAFFIC CONTROL
SHEET 3 OF 5

STATE OF MISSOURI
MARIA K. PETERS
NUMBER PE-2000162118
PROFESSIONAL ENGINEER
Maria Peters
07-21/2025 10:53:00 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

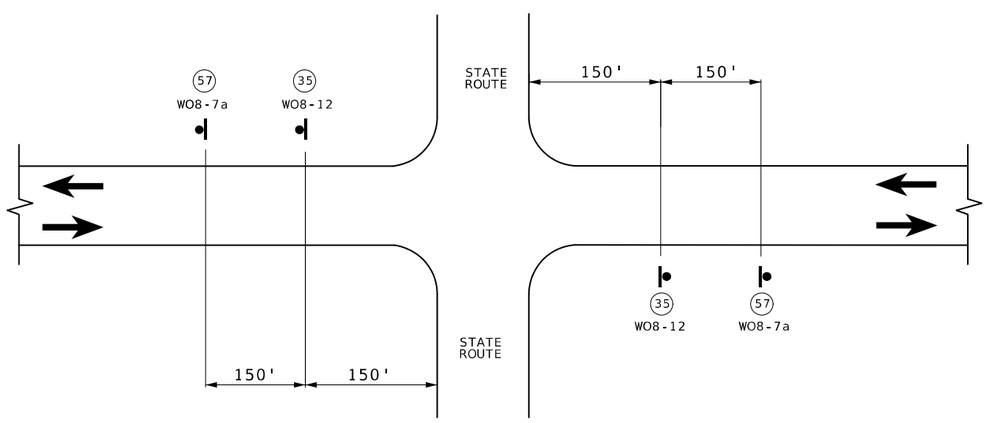
DATE PREPARED	
7/21/2025	
ROUTE: VARIOUS	STATE: MO
DISTRICT: CD	SHEET NO.: 8
COUNTY: VARIOUS	
JOB NO.: JCD0208	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

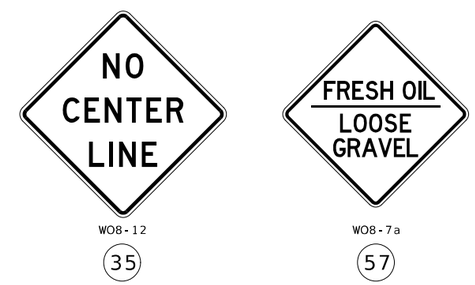
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



SIGN SPACING AND TEMPORARY STRIPING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS
SHOWING TEMPORARY STRIPING FOR MAINLINE



NOTES:

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

SIGN (35) IS PLACED AT APPROXIMATELY TWO-MILE INTERVALS AND AT STATE ROUTE JUNCTIONS. WHEN THE INSTALLATION AT A JUNCTION IS WITHIN ONE-EIGHTH MILE OF THE NORMAL MAINLINE SIGN (35), THE LATTER MAY BE ELIMINATED.

ALL SIGNS SHALL BE POST MOUNTED AND IN ACCORDANCE WITH STANDARD PLAN 616.10 AND 903.03.

NOT TO SCALE

TRAFFIC CONTROL
SHEET 4 OF 5

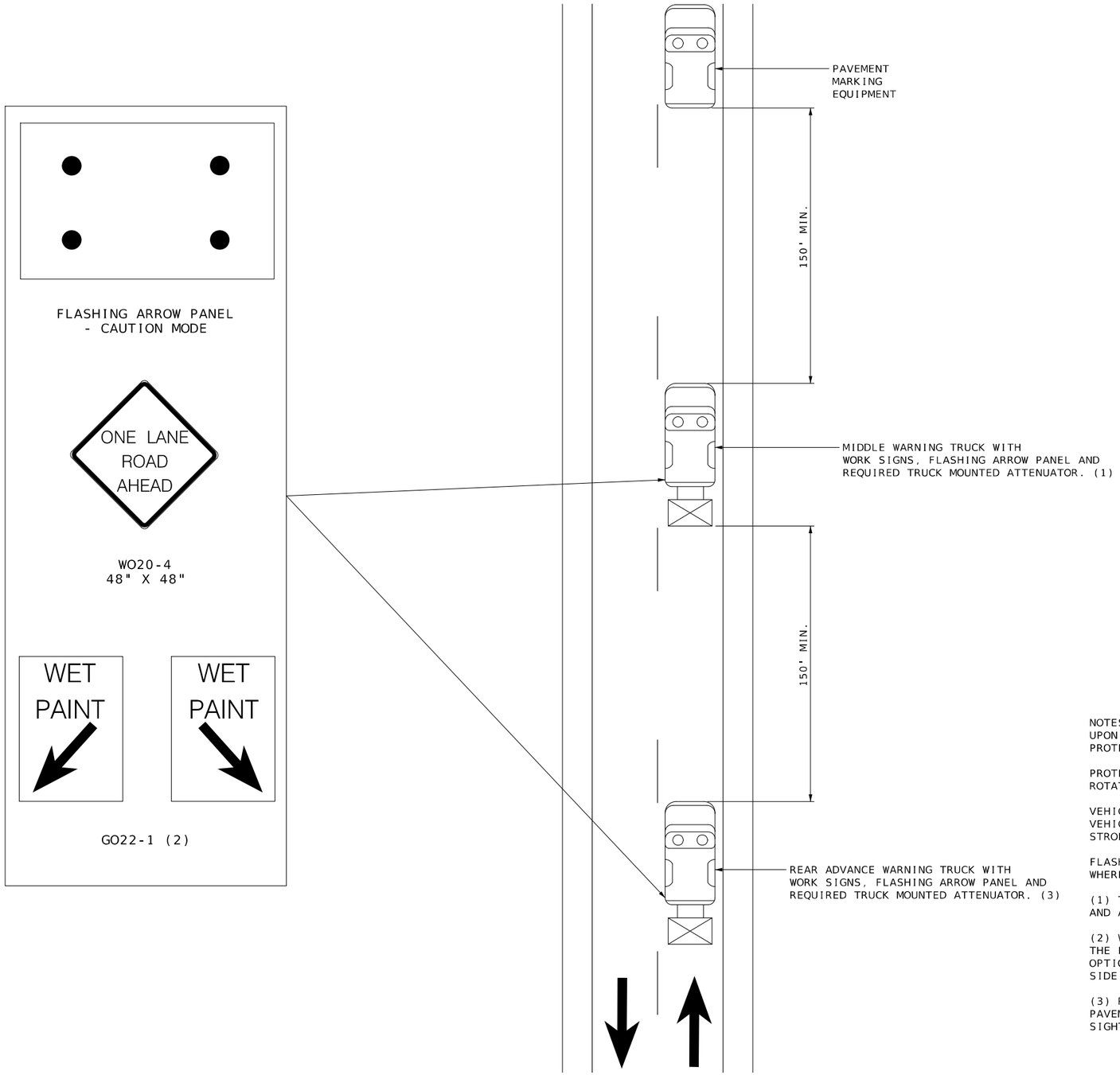
STATE OF MISSOURI
MARIA K. PETERS
NUMBER
PE-2000162118
PROFESSIONAL ENGINEER

Maria Peters
07/21/2025 10:53:28 AM
MARIA K. PETERS - CIVIL
MO-PE-2000162118

DATE PREPARED	
7/21/2025	
ROUTE: VARIOUS	STATE: MO
DISTRICT: CD	SHEET NO.: 9
COUNTY: VARIOUS	
JOB NO.: JCD0208	
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)



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

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

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

FLASHING ARROW PANELS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

(1) TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.

(2) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(3) REAR ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE, OR SPACING SHOWN.

CENTERLINE/EDGELINE STRIPING ON TWO-LANE HIGHWAYS

TRAFFIC CONTROL
SHEET 5 OF 5

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