DESIGN DESIGNATION

A.A.D.T. - 2025 = 2041
A.A.D.T. - 2045 = 2255
D.H.V. = 11%
T = 11%
V = 45, 50, & 60 M.P.H.

FUNCTIONAL CLASSIFICATIONS-MINOR COLLECTOR & LOCAL

NO NEW RIGHT OF WAY WILL BE REQUIRED ON THIS PROJECT

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

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



KEY MAP
LOCATION OF FRANKLIN COUNTY

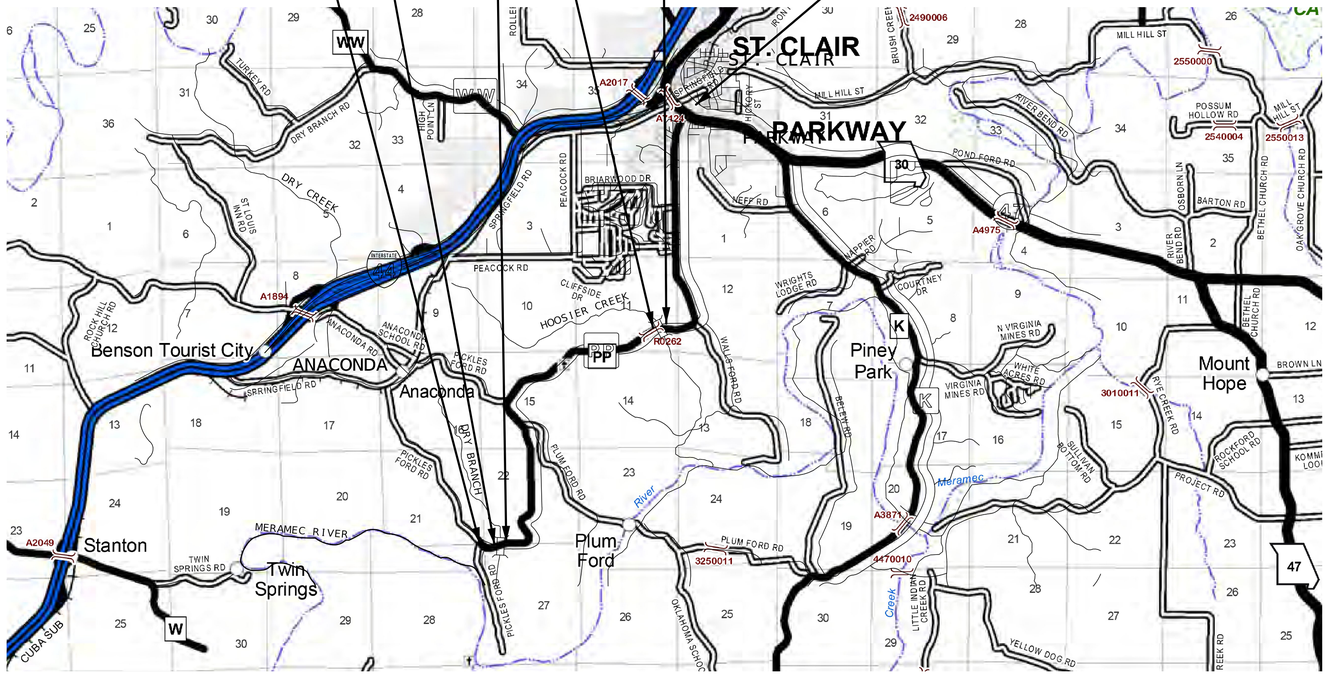
ROUTE PP PROJECT LIMITS
2" RESURFACING, GUARDRAIL UPGRADES, SIGN REPLACEMENTS, CULVERT REPLACEMENTS
6.756 MILES

BEGIN PROJECT STA 100+00.00

MILL & FILL BRIDGE R0261

MILL & FILL BRIDGE R0262

END PROJECT STA 455+93.73



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (3 SHEETS)	2
QUANTITIES (QU) (6 SHEETS)	3
PLAN-PROFILE (PP)	4-30
TRAFFIC CONTROL SHEETS (TC)	31-42
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SIGNING SHEETS (SN)	50-59
CULVERT SECTIONS (CS)	60-65
CROSS SECTIONS (XS)	66-67

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA.	100+00.00
END OF PROJECT	STA.	455+93.73
APPARENT LENGTH		35593.73 FEET
EQUATIONS AND EXCEPTIONS:		
126+61.15 BK = 126+60.97 AH		0+00.18
133+65.23 BK = 133+64.62 AH		0+00.61
144+55.28 BK = 144+24.01 AH		0+31.27
150+94.07 BK = 150+92.28 AH		0+01.79
173+00.00 BK = 172+99.92 AH		0+00.08
186+13.57 BK = 186+12.38 AH		0+01.19
218+31.08 BK = 219+00.00 AH		-0+68.92
233+15.35 BK = 233+15.60 AH		-0+00.25
245+96.70 BK = 245+97.43 AH		-0+00.73
258+76.94 BK = 258+06.96 AH		0+69.98
266+22.07 BK = 266+24.87 AH		-0+02.80
281+99.12 BK = 282+00.62 AH		-0+01.50
296+24.21 BK = 296+24.97 AH		-0+00.76
309+53.19 BK = 309+51.06 AH		0+02.13
316+33.64 BK = 316+33.80 AH		-0+00.16
318+47.70 BK = 318+32.37 AH		0+15.33
327+90.05 BK = 327+92.13 AH		-0+02.08
333+38.94 BK = 333+37.20 AH		0+01.74
338+22.51 BK = 338+18.81 AH		0+03.70
350+45.52 BK = 350+45.45 AH		0+00.07
358+95.28 BK = 358+95.76 AH		-0+00.48
376+33.09 BK = 376+00.00 AH		0+33.09
409+50.30 BK = 409+51.57 AH		-0+01.27
437+68.80 BK = 437+71.18 AH		-0+02.38
444+78.07 BK = 444+80.26 AH		-0+02.19
TOTAL CORRECTIONS		+ 77.64 FEET
NET LENGTH OF PROJECT		35671.37 FEET
STATE LENGTH		6.756 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES		0.1 ACRES

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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.

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 7:46:04 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779
DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	1

COUNTY: FRANKLIN
JOB NO.: JSL0032
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

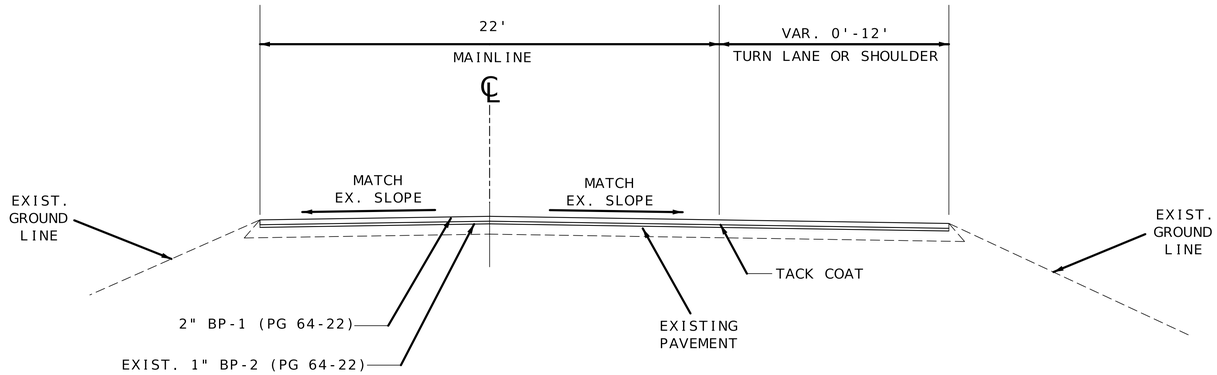
DESCRIPTION
DATE

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

TITLE SHEET

BITUMINOUS PAVEMENT MIXTURE BP-1 W/ PG 64-22	1.96 TON/YD³
TACK COAT	.08 GAL/YD²

ROUTE PP



TYPICAL SECTION ROUTE PP

STA 451+46.11 TO STA 455+93.85

EXIST. GROUND LINE

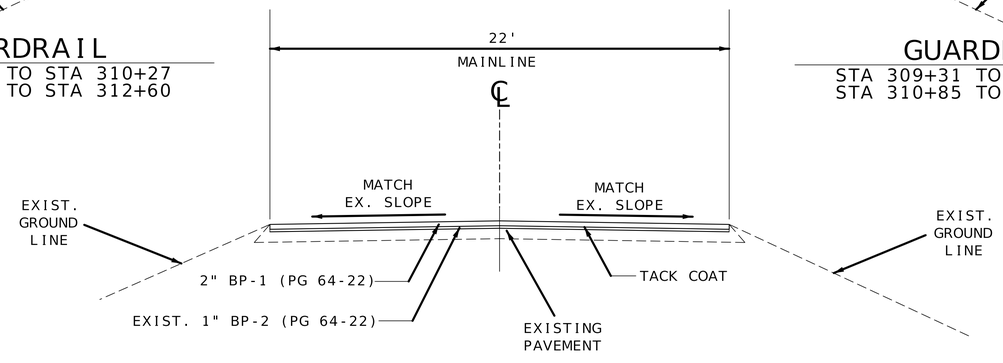
GUARDRAIL

STA 308+78 TO STA 310+27
STA 310+85 TO STA 312+60

EXIST. GROUND LINE

GUARDRAIL

STA 309+31 TO STA 310+27
STA 310+85 TO STA 312+37



TYPICAL SECTION ROUTE PP

STA 100+00.00 TO STA 108+70.25
STA 113+20.58 TO STA 310+26.50
STA 311+03.63 TO STA 451+46.11

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TYPICAL SECTION
SHEET 1 OF 3

NOT TO SCALE

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 1:26:42 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED 10/22/2025
ROUTE PP | STATE MO
DISTRICT SL | SHEET NO. 2
COUNTY FRANKLIN
JOB NO. JSL0032
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

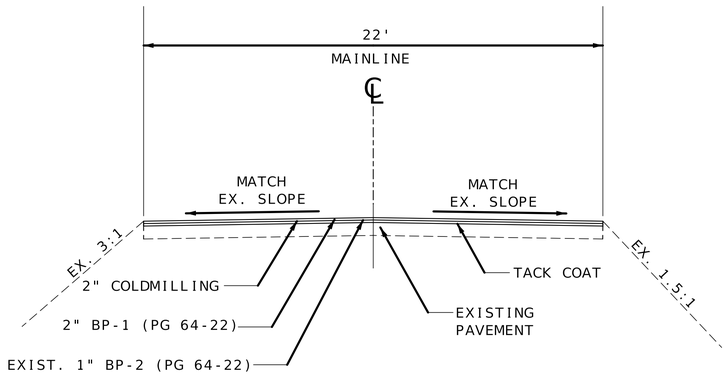
DESCRIPTION | DATE

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

TYPICAL SECTION

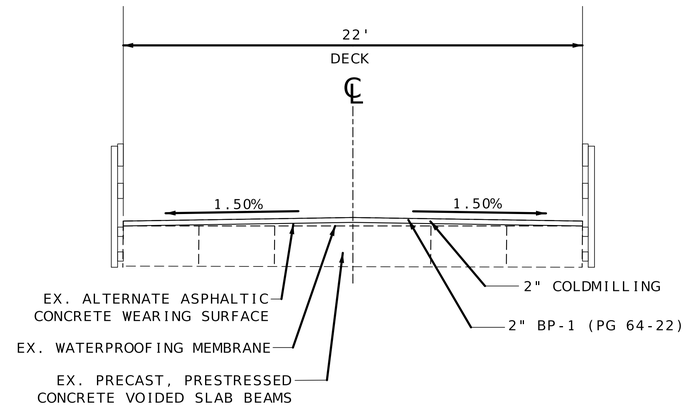
ROUTE PP

BITUMINOUS PAVEMENT MIXTURE BP-1 W/ PG 64-22	1.96 TON/YD³
TACK COAT	.08 GAL/YD²



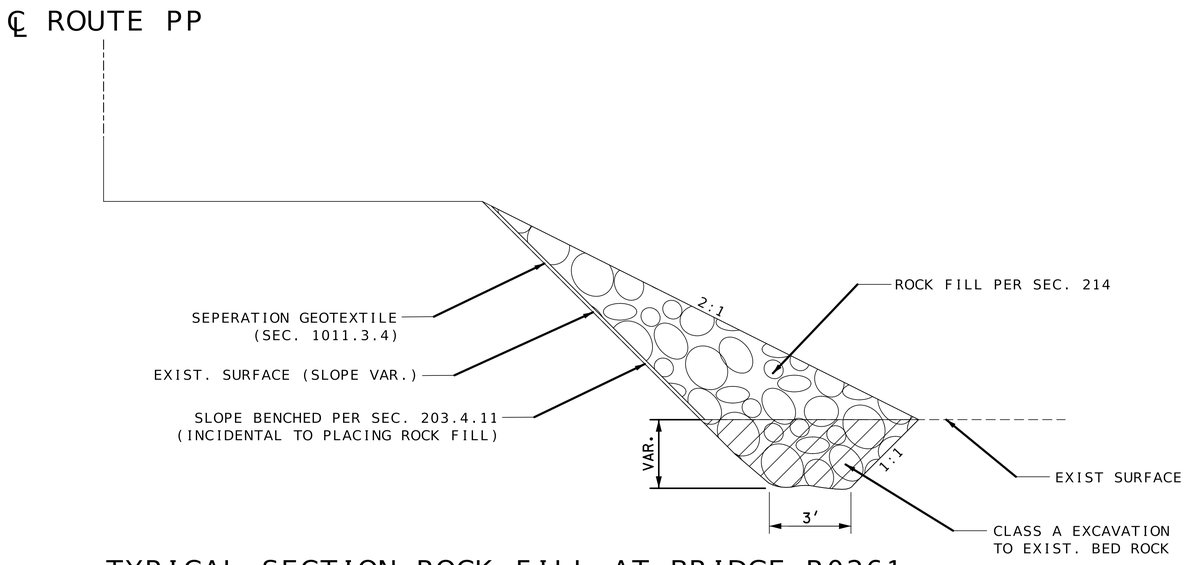
TYPICAL SECTION BRIDGE R0261

STA 108+70.25 TO STA 113+20.58



TYPICAL SECTION BRIDGE R0262

STA 310+26.50 TO STA 311+03.63



TYPICAL SECTION ROCK FILL AT BRIDGE R0261

STA 110+42.0 TO STA 110+90.6

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TYPICAL SECTION
SHEET 2 OF 3

NOT TO SCALE

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 1:27:47 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/22/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

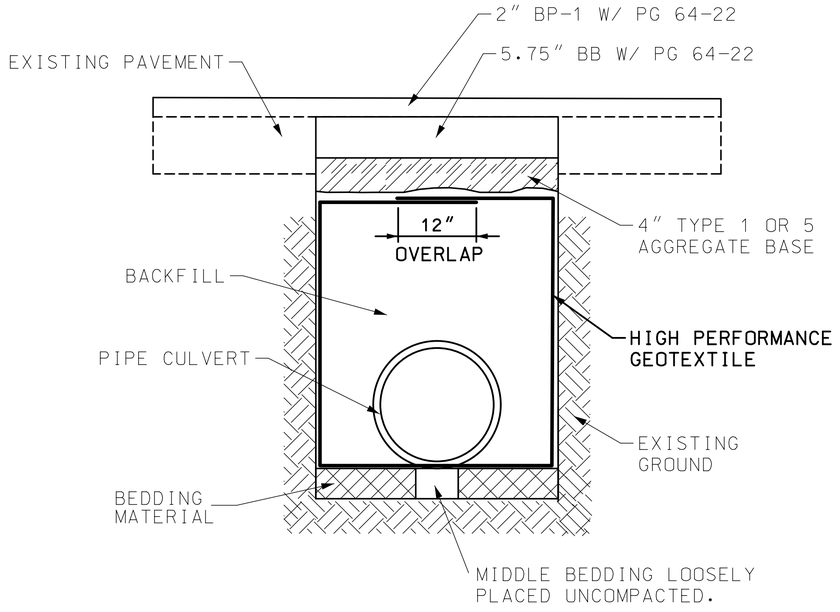
DESCRIPTION	DATE

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

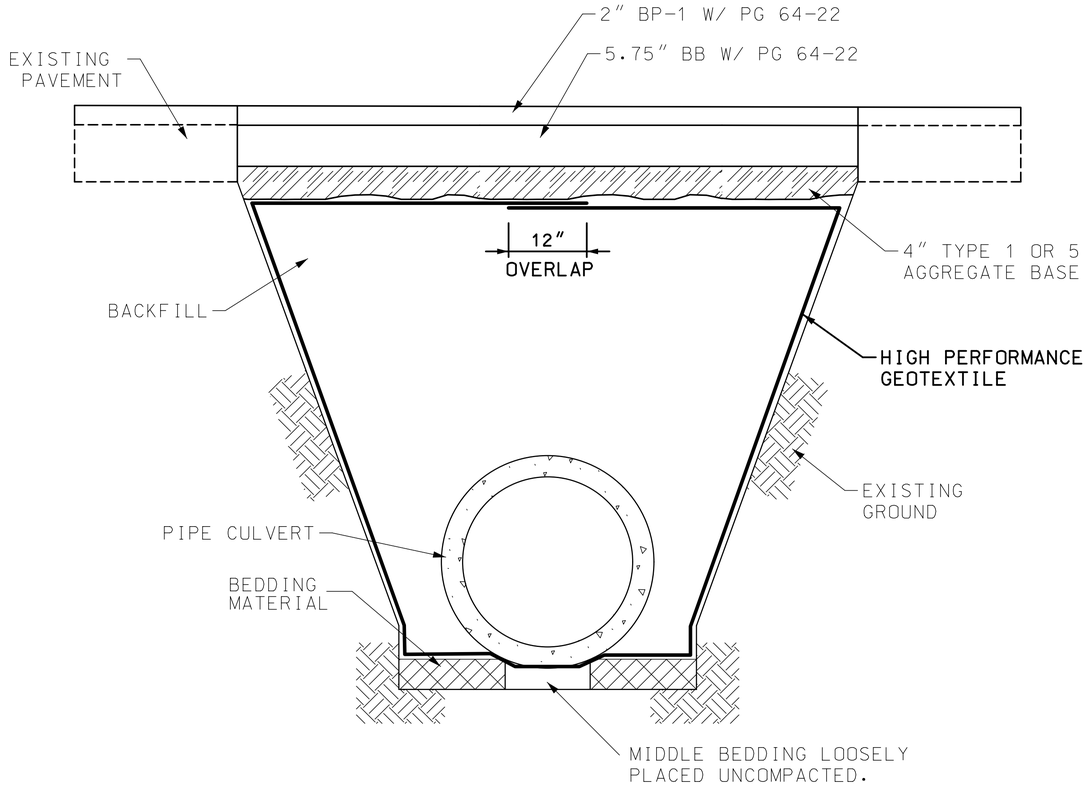
TYPICAL SECTION

TYPICAL SECTION- CROSSROAD PIPE INSTALLATION
USING HIGH PERFORMANCE GEOTEXTILE

TRENCH INSTALLATION FOR THERMOPLASTIC PIPE CULVERTS



TRENCH INSTALLATION FOR REINFORCED CONCRETE PIPE CULVERTS



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TYPICAL SECTION
SHEET 3 OF 3

NOT TO SCALE

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 1:29:18 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/22/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
FRANKLIN

JOB NO.
JSL0032

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

REMOVAL OF IMPROVEMENTS - ROADWAY SIGNS (1 OF 2)

ROUTE	SHEET	STATION	SIGN DESIGNATION	SIGN SIZE	LT/RT	DESCRIPTION OF REMOVAL
PP	4	100+18	M19-2	18"x12"	LT	SIGN AND POST
PP	4	100+26	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	4	101+91	R1-1	36"X36"	RT	SIGN ONLY, UIP POST
PP	4	110+65	R2-1	36"X48"	RT	SIGN AND POST
PP	4	110+87	OM3-R	12"X36"	RT	SIGN AND POST
PP	4	110+87	OM3-L	12"X36"	LT	SIGN AND POST
PP	4	111+31	OM3-L	12"X36"	RT	SIGN AND POST
PP	4	111+31	OM3-R	12"X36"	LT	SIGN AND POST
PP	5	120+83	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
PP	5	122+57	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	5	126+42	W1-8D	18"X24"	RT	SIGN AND POST
PP	6	127+69	W1-6	48"X24"	RT	SIGN AND POST
PP	6	128+47	W1-8D	18"X24"	RT	SIGN AND POST
PP	6	129+25	W1-8D	18"X24"	RT	SIGN AND POST
PP	6	130+03	W1-8D	18"X24"	RT	SIGN AND POST
PP	6	130+82	W1-8D	18"X24"	RT	SIGN AND POST
PP	6	131+61	W1-8D	18"X24"	RT	SIGN AND POST
PP	6	132+33	W1-8D	18"X24"	RT	SIGN AND POST
PP	6	133+54	W1-8D	18"X24"	RT	SIGN AND POST
PP	6	138+22	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
PP	6	139+56	W1-8D	18"X24"	LT	SIGN AND POST
PP	6	140+20	W1-6	48"X24"	LT	SIGN AND POST
PP	7	140+34	W1-8D	18"X24"	LT	SIGN AND POST
PP	7	141+09	W1-8D	18"X24"	LT	SIGN AND POST
PP	7	141+89	W1-8D	18"X24"	LT	SIGN AND POST
PP	7	142+67	W1-8D	18"X24"	LT	SIGN AND POST
PP	7	143+43	W1-8D	18"X24"	LT	SIGN AND POST
PP	7	143+73	W1-6	48"X24"	LT	SIGN AND POST
PP	7	144+21	W1-8D	18"X24"	LT	SIGN AND POST
PP	7	147+95	W1-6	48"X24"	RT	SIGN AND POST
PP	7	149+65	W1-6	48"X24"	RT	SIGN AND POST
PP	8	155+08	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
PP	10	181+30	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	10	187+59	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	10	188+90	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
PP	11	201+48	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
PP	11	205+82	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	12	211+28	R1-1	36"X36"	LT	SIGN AND POST
PP	13	221+32	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
PP	13	224+75	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	14	237+47	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
PP	14	239+31	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	15	248+59	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
PP	15	253+09	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	16	269+44	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
PP	16	271+93	R2-1	36"X48"	RT	SIGN AND POST
PP	17	286+88	R2-1	36"X48"	LT	SIGN AND POST
PP	18	289+52	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	18	291+74	R5-26	30"X42"	RT	SIGN AND POST
PP	18	299+56	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
PP	19	306+70	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	20	319+30	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
PP	20	320+31	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	21	329+27	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	21	329+78	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
PP	21	330+92	W2-2	36"X36"	RT	SIGN AND POST
PP	21	334+34	W1-6	48"X24"	RT	SIGN AND POST
PP	21	336+92	M1-5a	30"X24"	RT	SIGN AND POST
PP	21	337+00	W1-6	48"X24"	RT	SIGN AND POST
PP	21	340+65	W2-2	36"X36"	LT	SIGN AND POST
PP	22	343+41	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST

REMOVAL OF IMPROVEMENTS - ROADWAY SIGNS (2 OF 2)

ROUTE	SHEET	STATION	SIGN DESIGNATION	SIGN SIZE	LT/RT	DESCRIPTION OF REMOVAL
PP	22	352+93	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	24	367+58	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
PP	26	396+77	W2-2	36"X36"	RT	SIGN AND POST
PP	26	400+74	R2-1	36"X48"	RT	SIGN AND POST
PP	26	400+77	R2-1	36"X48"	LT	SIGN AND POST
PP	27	409+18	R5-26	30"X42"	RT	SIGN AND POST
PP	28	426+05	R1-1	36"X36"	LT	SIGN AND POST
PP	28	431+75	OM3-R	12"X36"	RT	SIGN AND POST
PP	28	431+75	OM3-L	12"X36"	LT	SIGN AND POST
PP	28	433+01	OM3-R	12"X36"	LT	SIGN AND POST
PP	28	433+01	OM3-L	12"X36"	RT	SIGN AND POST
PP	29	439+79	R1-1	36"X36"	RT	SIGN AND POST
PP	29	441+18	R2-1	36"X48"	LT	SIGN AND POST
PP	29	441+21	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	29	441+21	R2-5d	36"X48"	RT	SIGN AND POST
PP	29	442+69	OM3-R	12"X36"	RT	SIGN AND POST
PP	29	443+47	OM3-R	12"X36"	RT	SIGN AND POST
PP	29	444+23	OM3-R	12"X36"	RT	SIGN AND POST
PP	29	445+09	OM3-R	12"X36"	RT	SIGN AND POST
PP	29	445+28	OM3-R	12"X36"	LT	SIGN AND POST
PP	30	450+28	R2-1	36"X48"	LT	SIGN AND POST
PP	30	450+34	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
PP	30	453+76	M1-5a	30"X24"	LT	SIGN AND POST
PP	30	455+30	W12-1	30"X30"	RT	SIGN AND POST
PP	30	455+43	R1-1	36"X36"	RT	SIGN AND POST
PP	30	455+48	R1-2	48"X48"	LT	SIGN AND POST
30	30	20+87	ASSEMBLY	VAR.	RT	SIGN ASSEMBLY AND POST
30	30	21+53	W1-7	48"X24"	LT	SIGN AND POST
30	30	21+60	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
30	30	22+27	ASSEMBLY	VAR.	LT	SIGN ASSEMBLY AND POST
				PAY TOTAL		1 LUMP SUM

REMOVAL OF IMPROVEMENTS - DRAINAGE ITEMS

ROUTE	SHEET	STATION	STATION	LOCATION	DESCRIPTION OF REMOVAL
PP	7	147+98.7	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 52' EXIST. 18" PIPE AND END SECTIONS
PP	8	165+58.2	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 45' EXIST. 18" PIPE AND END SECTIONS
PP	9	170+77.3	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 45' EXIST. 18" PIPE AND END SECTIONS
PP	10	180+81.7	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 60' EXIST. 30" PIPE AND END SECTIONS
PP	11	203+50.6	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 40' EXIST. 18" PIPE AND END SECTIONS
PP	14	247+30.2	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 43' EXIST. 18" PIPE AND END SECTIONS
PP	21	330+30.7	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 44' EXIST. 18" PIPE AND END SECTIONS
PP	21	336+00.0	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 48' EXIST. 18" PIPE AND END SECTIONS
PP	23	364+96.3	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 55' EXIST. 18" PIPE AND END SECTIONS
PP	24/25	380+74.4	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 90' EXIST. 24" PIPE AND END SECTIONS
PP	26	403+16.1	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 42' EXIST. 24" PIPE AND END SECTIONS
PP	26	407+20.3	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 17' EXIST 9.5' X 6' BOX CULVERT AND 17.3' EXIST 7' X 5' BOX CULVERT
PP	28	421+69.0	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 51' EXIST. 18" PIPE AND END SECTIONS
PP	28	428+28.3	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 51' EXIST. 18" PIPE AND END SECTIONS
PP	29	445+21.3	-	LT/RT	44' SAW CUT, PAVMNT REMOVAL, 51' EXIST. B-9 CULVERT
				PAY TOTAL	1 LUMP SUM

REMOVAL OF IMPROVEMENTS - ROADWAY

ROUTE	SHEET	STATION	STATION	LOCATION	DESCRIPTION OF REMOVAL
PP	19	309+54	310+29	LT	75' EX. GUARDRAIL (INCL. 1 BRIDGE END SECTION, 1 TRANSITION SECTION, 1 CET)
PP	19	309+54	310+29	RT	75' EX. GUARDRAIL (INCL. 1 BRIDGE END SECTION, 1 TRANSITION SECTION, 1 CET)
PP	19	310+86	311+73.5	LT	87.5' EX. GUARDRAIL (INCL. 1 BRIDGE END SECTION, 1 TRANSITION SECTION, 1 CET)
PP	19	310+86	311+73.5	RT	87.5' EX. GUARDRAIL (INCL. 1 BRIDGE END SECTION, 1 TRANSITION SECTION, 1 CET)
				PAY TOTAL	1 LUMP SUM

DISCLAIMER

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SUMMARY OF QUANTITIES

SHEET 1 OF 5

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
Shirley J. Norris
10/22/2025 1:30:27 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/22/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
FRANKLIN

JOB NO.
JSL0032

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

SHAPING SLOPES-CLASS 3

ROUTE	SHEET	STATION	STATION	LOCATION	SHAPING SLOPES CLASS III (100 L.F.)	REMARKS
RTE. PP	19	308+79.9	310+29.0	LT	1.6	
RTE. PP	19	309+26.9	310+28.3	RT	1.3	
RTE. PP	19	310+84.8	312+61.3	LT	1.8	
RTE. PP	19	310+86.4	312+37.1	RT	1.6	
				SUBTOTAL	6.3	
				PAY TOTAL	7.0	

EARTHWORK

ROUTE	SHEET	STATION	STATION	CLASS A EXCAVATION (CY)	COMPACTING EMBANKMENT (CY)	REMARKS
PP	43,47	110+00	182+00	204.5	49.1	
			SUBTOTAL	204.5	49.1	
			PAY TOTAL	205	49	

GUARDRAIL

ROUTE	SHEET	STATION	STATION	LOCATION	MGS GUARDRAIL (L.F.)	MGS BRIDGE APPROACH TRANSITION (EACH)	MGS CRASHWORTHY END TERMINAL (EACH)	MGS END ANCHOR (EACH)	REMARKS
RTE. PP	19	308+79.9	310+29.0	LT	62.5	1	1		
RTE. PP	19	309+26.9	310+28.3	RT	75	1		1	AVOID FIELD ENTRANCE
RTE. PP	19	310+84.8	312+61.3	LT	87.5	1	1		
RTE. PP	19	310+86.4	312+37.1	RT	62.5	1	1		
				SUBTOTAL	287.5	4	3	1	
				PAY TOTAL	288	4	3	1	

TEMPORARY SHORING

1 LUMP SUM	QUANTITY
	1

MOBILIZATION

1 LUMP SUM	QUANTITY
	1

TEMPORARY TRAFFIC CONTROL

1 LUMP SUM	QUANTITY
	1

CONTRACTOR FURNISHED SURVEYING AND STAKING

1 LUMP SUM	QUANTITY
	1

POT HOLING UTILITY FACILITIES

EACH	QUANTITY
	6

CLEARING AND GRUBBING

NO DIRECT PAY

PERMANENT SEEDING

NO DIRECT PAY

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SUMMARY OF QUANTITIES

SHEET 2 OF 5

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 1:32:51 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/22/2025

ROUTE	STATE
PP	MO

DISTRICT	SHEET NO.
SL	3

COUNTY: FRANKLIN

JOB NO.: JSL0032

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

TEMPORARY EROSION CONTROL

ROUTE	SHEET	STATION	STATION	SILT FENCE (LF)	SEDIMENT REMOVAL (CY)	SEDIMENT TRAP EXCAVATION (CY)	SEDIMENT TRAP ROCK (CY)	ROCK DITCH CHECK (LF)	TEMPORARY SEEDING (AC)	REMARKS
PP	47	110+65	111+85		11	42	42	48		BRIDGE R0261
PP	7	147+98.7	-	120	4.2	6	6	24	0.006	PIPE 1
PP	8	165+58.2	-	70	3.7	6	6	24	0.004	PIPE 2
PP	9	170+77.3	-	80	3.8	6	6	24	0.004	PIPE 3
PP	10	180+81.7	-	100	4	6	6	24	0.010	PIPE 4
PP	11	203+50.6	-	80	3.8	6	6	24	0.004	PIPE 5
PP	14	247+30.2	-	80	3.8	6	6	24	0.004	PIPE 6
PP	21	330+30.7	-	90	3.9	6	6	24	0.005	PIPE 7
PP	21	336+00.0	-	80	3.8	6	6	24	0.004	PIPE 8
PP	23	364+96.3	-	110	4.1	6	6	24	0.006	PIPE 9
PP	24/25	380+74.4	-	175	4.75	6	6	24	0.009	PIPE 10
PP	26	403+16.1	-	75	3.75	6	6	24	0.004	PIPE 11
PP	26	407+20.3	-	90	4.9	12	12	24	0.005	PIPE 12
PP	28	421+69.0	-	110	4.1	6	6	24	0.006	PIPE 13
PP	28	428+28.3	-	90	3.9	6	6	24	0.005	PIPE 14
PP	29	445+21.3	-	110	5.1	12	12	24	0.006	PIPE 15
			SUBTOTAL	1460	72.6	144	144	408	0.082	
			PAY TOTAL	1460	73	144	144	408	0.1	

MAINLINE RESURFACING

ROUTE	SHEET	STATION	STATION	LENGTH (FT)	WIDTH (FT)	AREA (SF)	AREA (SY)	2" BP-1 (PG 64-22) (TON)	TACK COAT (GAL)	COLDMILLING DEPTH TRANS. (S.Y.)	COLDMILLING 3 IN. OR LESS (S.Y.)	GRAVEL (A) OR CRUSHED STONE (B) (S.Y.)	REMARKS
RTE. PP	4-30	100+00	455+60.3	35671.5	VARIES	773558	85951	9359.1	6876.1				BEG PROJECT TO END PROJECT
RTE. PP	4-30	100+00	455+60.4	VARIES	VARIES	29593	3288	358.0	263.0	3288.0		2031.0	ENTRANCES AND SIDE ROADS
RTE. PP	4	100+00	102+00	200.0	22	4400	489			489.0			START PROJECT
RTE. PP	4	108+74.9	110+74.9	200.0	22	4400	489			489.0			
RTE. PP	4	110+74.9	111+31.1	56.3	20.75	1168	130				130.0		BRIDGE R0261
RTE. PP	4	111+31.1	113+31.1	200.0	22	4400	489			489.0			
RTE. PP	19	307+71	309+71	200.0	22	4400	489			489.0			
RTE. PP	19	309+71	311+54	183.1	22	4028	448				448.0		BRIDGE R0262
RTE. PP	19	311+54	313+54	200.0	22	4400	489			489.0			
RTE. PP	30	453+63.1	455+60	200.0	VARIES	8850	983			983.0			END PROJECT
RTE. PP	4-30	100+00	455+60.3	35671.5	VARIES	773558	85951	971.7	713.9				10% IRREGULARITIES
						SUBTOTAL		10688.8	7853.0	6716.0	578.0	2031.0	
						PAY TOTAL		10689	7853	6716	578	2031	

PERMANENT PAVEMENT MARKINGS

ROUTE	SHEET	STATION	STATION	STANDARD WATERBORNE PAVEMENT MARKING PAINT, CLASS 1 TYPE P BEADS: 4" WIDE SOLID WHITE (LF)	4" WIDE SOLID YELLOW (LF)	4" WIDE INTERMITTENT YELLOW (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING: 24" WIDE SOLID WHITE (LF)	24" X 36" YIELD TRIANGLES (EA)	RIGHT ARROW (EA)	REMARKS
RTE PP	4-30	100+00	455+60.3	71081.0	62969.0	1883.0				
RTE PP	30	454+58	-						1	
RTE PP	30	455+31	-					5		
RTE PP	30	455+44	-				12			
RTE PP	30	455+55	-					5		
			SUBTOTAL	71081.0	62969.0	1883.0	12	10	1	
			PAY TOTAL	71081	64852		12	10	1	

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SUMMARY OF QUANTITIES

SHEET 3 OF 5

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 1:34:06 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/22/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: FRANKLIN
JOB NO.: JSL0032
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

DRAINAGE- PIPES

STRUCTURE ID TO STRUCTURE ID	PLAN SHEET NO.	CULVERT SECTION SHEET NO.	GROUP B CULVERT PIPES 18" (LF)	GROUP B CULVERT PIPES 24" (LF)	GROUP B CULVERT PIPES 30" (LF)	GROUP B CULVERT PIPES 36" (LF)	GROUP B CULVERT PIPES 60" (LF)	CLASS B-1 CONCRETE (CY)	REINFORCING STEEL (CULVERTS) (LBS)	CLASS 3 EXCAVATION (CY)	CLASS 4 EXCAVATION (CY)	TYPE 1 TURF REINFORCEMENT MAT (SY)	ROCK LINING FOR CULVERT OUTLETS (CY)	18" OR ALLOWED SUBSTITUTE FLARED END SECTION (EA)	24" OR ALLOWED SUBSTITUTE FLARED END SECTION (EA)	30" OR ALLOWED SUBSTITUTE FLARED END SECTION (EA)	36" OR ALLOWED SUBSTITUTE FLARED END SECTION (EA)	60" OR ALLOWED SUBSTITUTE FLARED END SECTION (EA)	REMARKS
BRIDGE R0261	47	-																	
1-1 FES TO 1-2 FES	7	60	47							54.4				2					
2-1 FES TO 2-2 FES	8	60		34						36.2			3		2				
3-1 FES TO 3-2 FES	9	60	45							45.6			2	2					
4A-1 FES TO 4A-2 FES	43	61			57					58.9		196.6	11			2			
4B-1 FES TO 4B-2 FES	43	61			61					62.8			11			2			
5-1 FES TO 5-2 FES	44	61		33						33.5			3		2				
6-1 FES TO 6-2 FES	14	62	38							36.2			2	2					
7-1 FES TO 7-2 FES	21	62	40							39.8			2	2					
8-1 FES TO 8-2 FES	21	62	45							35.7			2	2					
9-1 FES TO 9-2 FES	23	63	54							70.8				2					
10-1 FES TO 10-2 FES	24/25	63		85						170.5			3		2				
11-1 FESTO 11-2 FES	26	63				35				59.9			9				2		
12-1 HW TO 12-2 HW	45	64						47.4	7760		203.7		81						
13-1 FES TO 13-2 FES	28	65	48							55.1			2	2					
14-1 FES TO 14-2 FES	28	65	52							59.4			2	2					
15-1 FES TO 15-2 FES	46	65					41			100.5			28					2	
SUBTOTAL			369.0	152.0	118.0	35.0	41.0	47.4	7760.0	919.3	203.7	196.6	161.0	16.0	6.0	4.0	2.0	2.0	
PAY TOTAL			369	152	118	35	41	47	7760	919	204	197	161	16	6	4	2	2	

BRIDGE R0261

ROUTE	SHEET	STATION	STATION	GABIONS (CY)	CLASS V RIPRAP (CY)	FURNISHING ROCK FILL (CY)	PLACING ROCK FILL (CY)	FURNISHING TYPE II ROCK DITCH LINER (CY)	PLACING TYPE II ROCK DITCH LINER (CY)	SEPARATION GEOTEXTILE (SY)	PERMANENT EROSION CONTROL GEOTEXTILE (SY)	SEAL CONCRETE (CY)	REMARKS
PP	48	110+42.0	111+74.7	84.0	401.8	415.3	415.3			147.25	183.33	1	
PP	48	111+19.4	111+74.7					24.98	24.98				
SUBTOTAL				84.0	401.8	415.3	415.3	25.0	25.0	147.3	183.3	1.0	
PAY TOTAL				84	402	415	415	25	25	147	183	1	

FULL-DEPTH PAVEMENT POST PIPE REMOVAL

SHEET	STATION	ROADWAY	5.75" BIT. BASE PAVEMENT MIXTURE w/ PG 64-22 (TONS)	TYPE 1 AGGREGATE FOR BASE (4" THICK) (SY)	MISC. INSTALLING HIGH PERFORMANCE GEOTEXTILE (SY)	REMARKS
7	147+98.7	ROUTE PP	3.10	9.98	107.32	AFTER PIPE 1 REPLACEMENT
8	165+58.2	ROUTE PP	3.75	12.07	75.27	AFTER PIPE 2 REPLACEMENT
9	170+77.3	ROUTE PP	3.40	10.97	94.41	AFTER PIPE 3 REPLACEMENT
10	180+81.7	ROUTE PP	9.07	29.22	146.84	AFTER PIPE 4 REPLACEMENT
11	203+50.6	ROUTE PP	3.66	11.79	72.26	AFTER PIPE 5 REPLACEMENT
14	247+30.2	ROUTE PP	3.49	11.23	78.97	AFTER PIPE 6 REPLACEMENT
21	330+30.7	ROUTE PP	3.49	11.24	83.93	AFTER PIPE 7 REPLACEMENT
21	336+00.0	ROUTE PP	4.27	13.76	84.89	AFTER PIPE 8 REPLACEMENT
23	364+96.3	ROUTE PP	3.58	11.54	131.38	AFTER PIPE 9 REPLACEMENT
24/25	380+74.4	ROUTE PP	4.76	15.33	272.20	AFTER PIPE 10 REPLACEMENT
26	403+16.1	ROUTE PP	4.58	14.76	101.97	AFTER PIPE 11 REPLACEMENT
26	407+20.3	ROUTE PP	12.91	41.61	186.27	AFTER BOX 12 REPLACEMENT
28	421+69.0	ROUTE PP	3.56	11.48	63.68	AFTER PIPE 13 REPLACEMENT
28	428+28.3	ROUTE PP	3.59	11.57	117.20	AFTER PIPE 14 REPLACEMENT
29	445+21.3	ROUTE PP	6.19	19.96	150.11	AFTER PIPE 15 REPLACEMENT
SUBTOTAL			73.40	236.51	1766.70	
PAY TOTAL			73.4	237	1766.7	

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SUMMARY OF QUANTITIES
SHEET 4 OF 5

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 1:35:43 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/22/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: FRANKLIN
JOB NO.: JSL0032
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

CLASS C PARTIAL DEPTH PAVEMENT REPAIR

ROUTE	LENGTH (FT)	WIDTH (FT)	DEPTH (IN)	REMOVAL FOR CLASS C PARTIAL DEPTH PAVEMENT REPAIR (SY)	FURNSHING AND PLACING BITUMINOUS MATERIAL FOR CLASS C PARTIAL DEPTH PAVEMENT REPAIR (TONS)	REMARKS
RTE. PP	367	7.5	3	305.83	50.46	NB LANE
RTE. PP	105	7.5	3	87.50	14.44	
RTE. PP	361	7.5	3	300.83	49.64	
RTE. PP	351	7.5	3	292.50	48.26	
RTE. PP	396	11	3	484.00	79.86	
RTE. PP	34	7.5	3	28.33	4.68	
RTE. PP	125	7.5	3	104.17	17.19	
RTE. PP	50	11	3	61.11	10.08	
RTE. PP	75	7.5	3	62.50	10.31	
RTE. PP	160	11	3	195.56	32.27	
RTE. PP	88	7.5	3	73.33	12.10	
RTE. PP	11	7.5	3	9.17	1.51	
RTE. PP	99	7.5	3	82.50	13.61	
RTE. PP	443	7.5	3	369.17	60.91	
RTE. PP	74	7.5	3	61.67	10.18	
RTE. PP	130	7.5	3	108.33	17.88	
RTE. PP	100	7.5	3	83.33	13.75	
RTE. PP	334	11	3	408.22	67.36	TUNNEY FORD
RTE. PP	564	7.5	3	470.00	77.55	
RTE. PP	150	7.5	3	125.00	20.63	
RTE. PP	35	7.5	3	29.17	4.81	
RTE. PP	250	7.5	3	208.33	34.38	
RTE. PP	50	7.5	3	41.67	6.88	
RTE. PP	25	7.5	3	20.83	3.44	
RTE. PP	89	7.5	3	74.17	12.24	
RTE. PP	112	7.5	3	93.33	15.40	
RTE. PP	30	7.5	3	25.00	4.13	
RTE. PP	50	7.5	3	41.67	6.88	
RTE. PP	210	7.5	3	175.00	28.88	
RTE. PP	100	7.5	3	83.33	13.75	
RTE. PP	30	11	3	36.67	6.05	
RTE. PP	50	7.5	3	41.67	6.88	
RTE. PP	20	7.5	3	16.67	2.75	
RTE. PP	30	11	3	36.67	6.05	
RTE. PP	20	7.5	3	16.67	2.75	
RTE. PP	50	11	3	61.11	10.08	SB LANE
RTE. PP	245	7.5	3	204.17	33.69	
RTE. PP	137	11	3	167.44	27.63	
RTE. PP	649	11	3	793.22	130.88	
RTE. PP	25	7.5	3	20.83	3.44	
RTE. PP	243	7.5	3	202.50	33.41	
RTE. PP	90	11	3	110.00	18.15	
RTE. PP	15	11	3	18.33	3.03	PIPE CROSSING
RTE. PP	50	7.5	3	41.67	6.88	
RTE. PP	276	11	3	337.33	55.66	
RTE. PP	183	7.5	3	152.50	25.16	
RTE. PP	25	7.5	3	20.83	3.44	
RTE. PP	403	11	3	492.56	81.27	
RTE. PP	291	11	3	355.67	58.69	
RTE. PP	86	7.5	3	71.67	11.83	
RTE. PP	336	7.5	3	280.00	46.20	
RTE. PP	25	11	3	30.56	5.04	
RTE. PP	96	11	3	117.33	19.36	
RTE. PP	80	7.5	3	66.67	11.00	
RTE. PP	1200	7.5	3	1000.00	165.00	
RTE. PP	547	7.5	3	455.83	75.21	
RTE. PP	50	11	3	61.11	10.08	
RTE. PP	756	7.5	3	630.00	103.95	
RTE. PP	22	226	3	552.44	91.15	
RTE. PP	617	7.5	3	514.17	84.84	
RTE. PP	125	7.5	3	104.17	17.19	
RTE. PP	769	11	3	939.89	155.08	
			SUBTOTAL	12455.9	2055.3	
			PAY TOTAL	12455.9	2055.3	

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SUMMARY OF QUANTITIES
SHEET 5 OF 5

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 1:37:44 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/22/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: FRANKLIN
JOB NO.: JSL0032
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

WARNING SIGNS

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00	10	160.00			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	8	128.00			36	UNEVEN LANES
WO8-12	48X48	16.00	8	128.00			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						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	10	160.00			2	ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00	3	48.00			18	DETOUR AHEAD
WO20-3	48X48	16.00	2	32.00				ROAD CLOSED AHEAD
WO20-4	48X48	16.00	6	96.00			7	ONE LANE ROAD AHEAD
WO20-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	6	96.00			8	FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	4	64.00			21	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	2	4.38				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 NO.	DESCRIPTION
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	2	20.00			1	ROAD WORK NEXT 7 MILES
GO20-2	48X24	8.00	2	16.00			26	END ROAD WORK
GO20-4a	18X12	1.50	8	12.00			58	PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	42X30	8.75	8	70.00			58*	PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	24X18	3.00	8	24.00			60	PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00						WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00	2	6.00			52	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 NO.	DESCRIPTION
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	4	40.00				ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50	2	25.00			53	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 NO.	DESCRIPTION
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-8	48X36	12.00	2	24.00			57	WORK ZONE NO PHONE ZONE
SPECIAL	36X60	15.00	10	150.00			50A	DETOUR PP STRAIGHT ARROW
SPECIAL	36X60	15.00	10	150.00			50C	DETOUR PP RIGHT ARROW
SPECIAL	36X60	15.00	10	150.00			50E	DETOUR PP LEFT ARROW
W020-3a	48x48	16.00	2	32.00				ROAD CLOSED XX FEET

616-10.05 CONSTRUCTION SIGNS	TOTAL
	1636

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	1*	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	200	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030	20	TYPE 3 MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040	3	FLASHING ARROW PANEL
6161047		TYPE 3 OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A	4*	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

NOTE:

ALL TRAFFIC CONTROL ITEMS ARE INCLUDED IN PAY ITEM 6169901, TEMPORARY TRAFFIC CONTROL, LUMP SUM, UNLESS OTHERWISE NOTED IN THE PLANS. THESE QUANTITIES ARE ONLY AN ESTIMATE AND ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS AND CONTRACTOR'S TRAFFIC CONTROL OPERATIONS.

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

CMS LOCATION TO BE DETERMINED BY THE ENGINEER.

DISCLAIMER

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* NOT INCLUDED IN TEMPORARY TRAFFIC CONTROL LUMP SUM.

** NO DIRECT PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS AND DEVICES.

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 1:39:07 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/22/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: FRANKLIN
JOB NO.: JSL0032
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE | REVISION

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

QUANTITY SHEET D-2BS

NOTE:
CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. UTILITIES ARE APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS WHICH ARE NOT SHOWN ON OTHER PLANS.

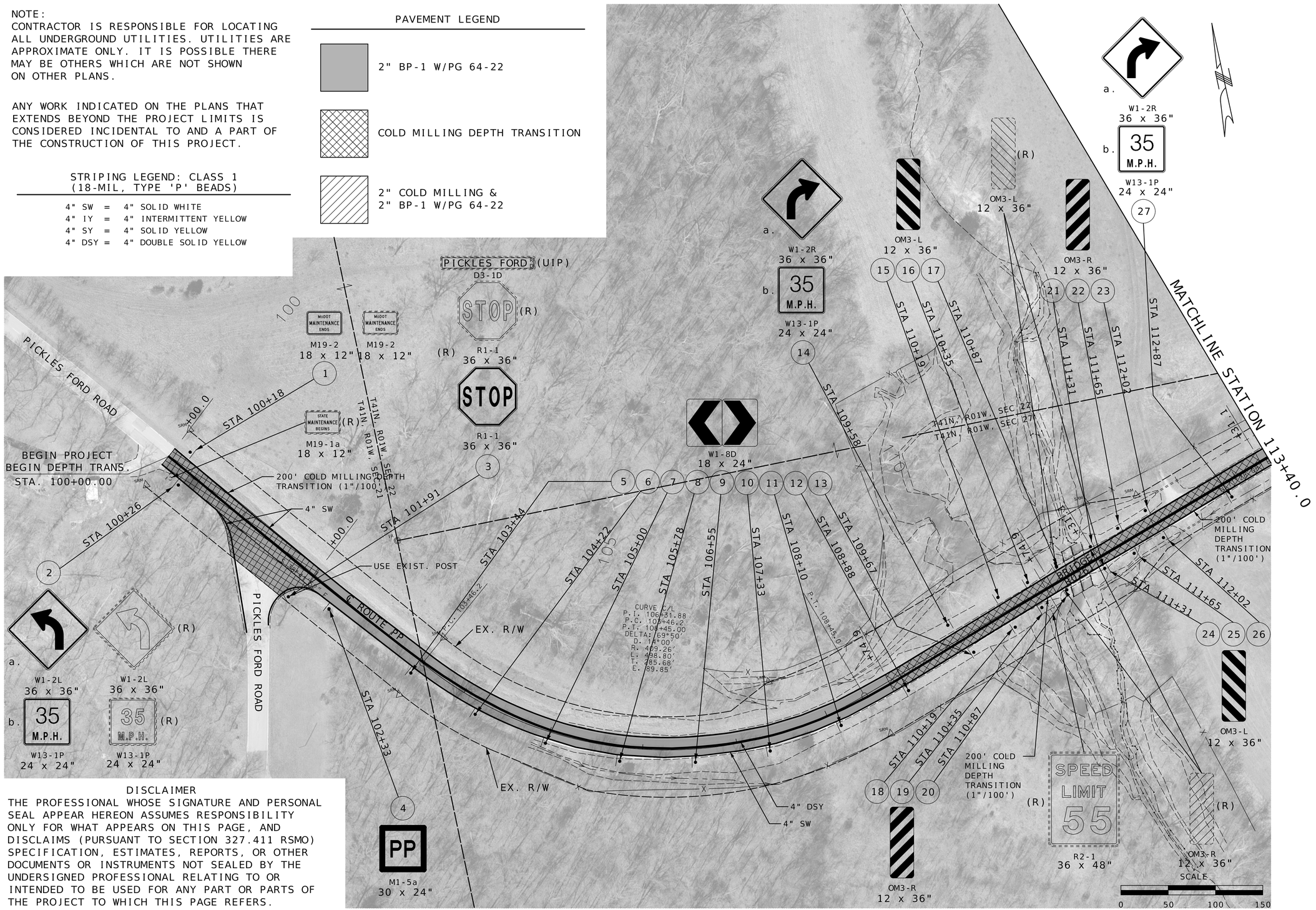
ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW	=	4" SOLID WHITE
4" IY	=	4" INTERMITTENT YELLOW
4" SY	=	4" SOLID YELLOW
4" DSY	=	4" DOUBLE SOLID YELLOW

PAVEMENT LEGEND

- 2" BP-1 W/PG 64-22
- COLD MILLING DEPTH TRANSITION
- 2" COLD MILLING & 2" BP-1 W/PG 64-22



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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 7:49:45 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	4

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

PLAN SHEET

STRIPING LEGEND: CLASS 1 (18-MIL, TYPE 'P' BEADS)

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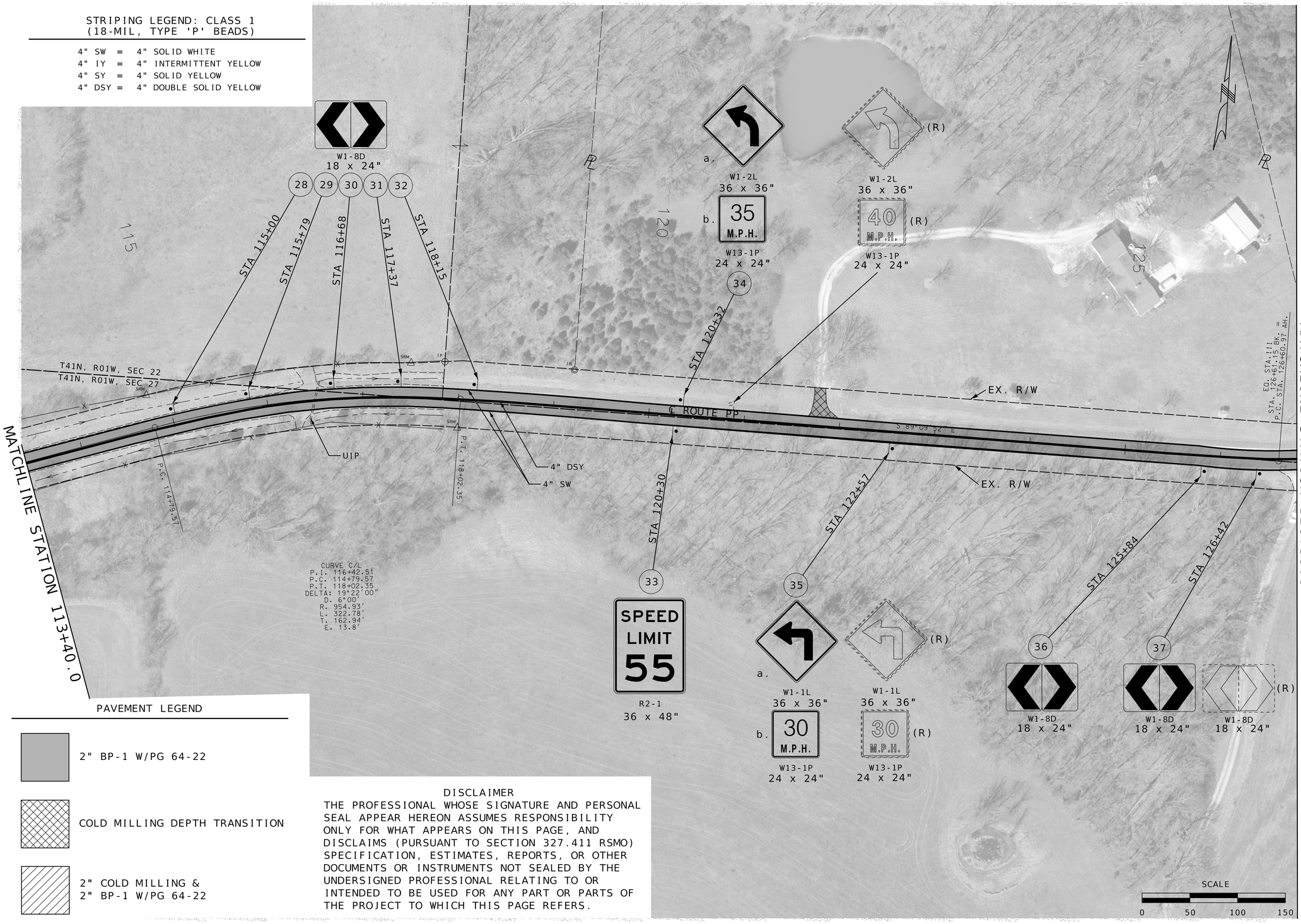
4" SY = 4" SOLID YELLOW
4" DSY = 4" DOUBLE SOLID YELLOW



PAVEMENT LEGEND

- 2" BP-1 W/PG 64-22
- COLD MILLING DEPTH TRANSITION
- 2" COLD MILLING & 2" BP-1 W/PG 64-22

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 7:53:03 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	5

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

PLAN SHEET

PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22

STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

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4" SY = 4" SOLID YELLOW
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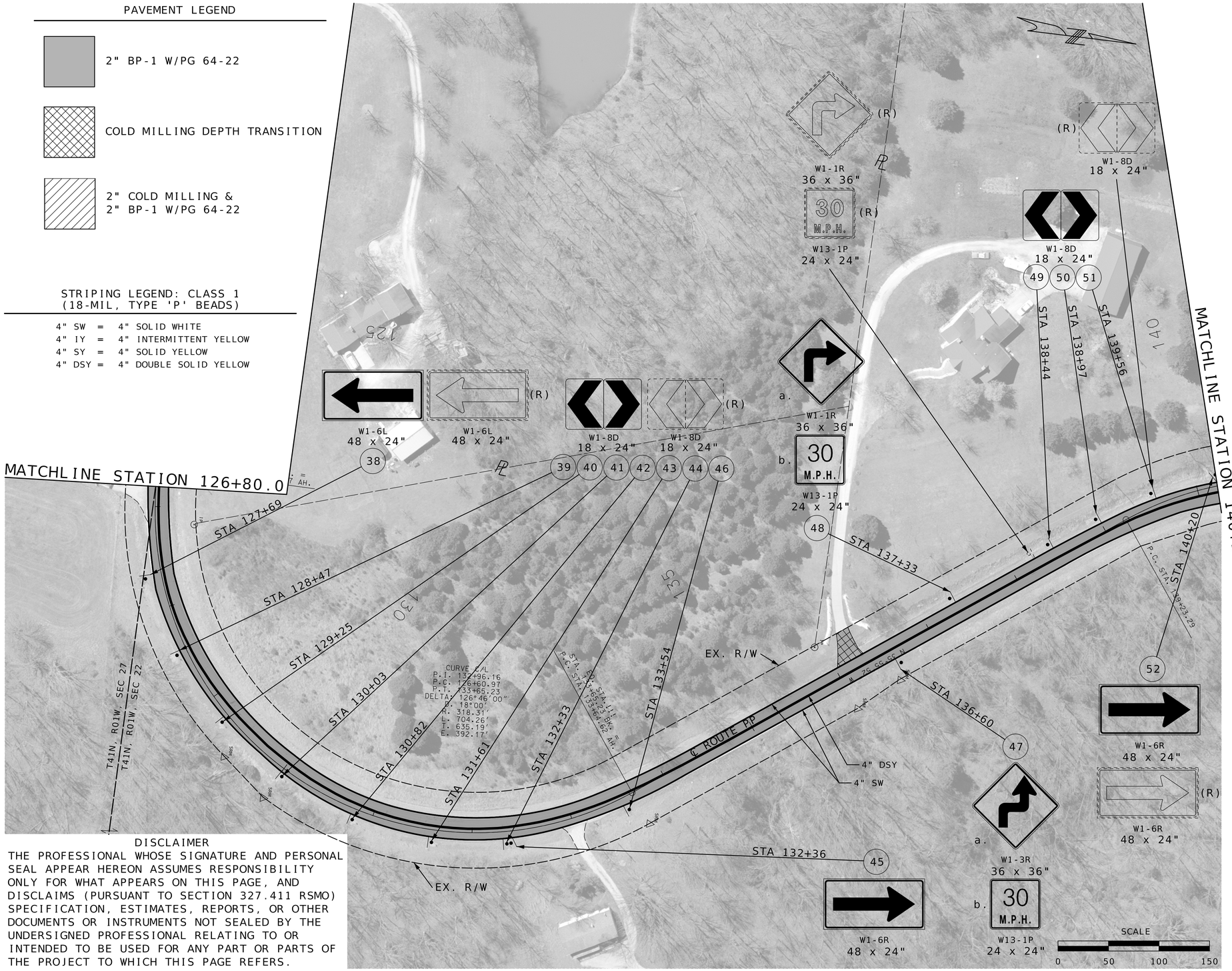

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 7:55:21 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	6

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

PLAN SHEET

STRIPING LEGEND: CLASS 1 (18-MIL, TYPE 'P' BEADS)

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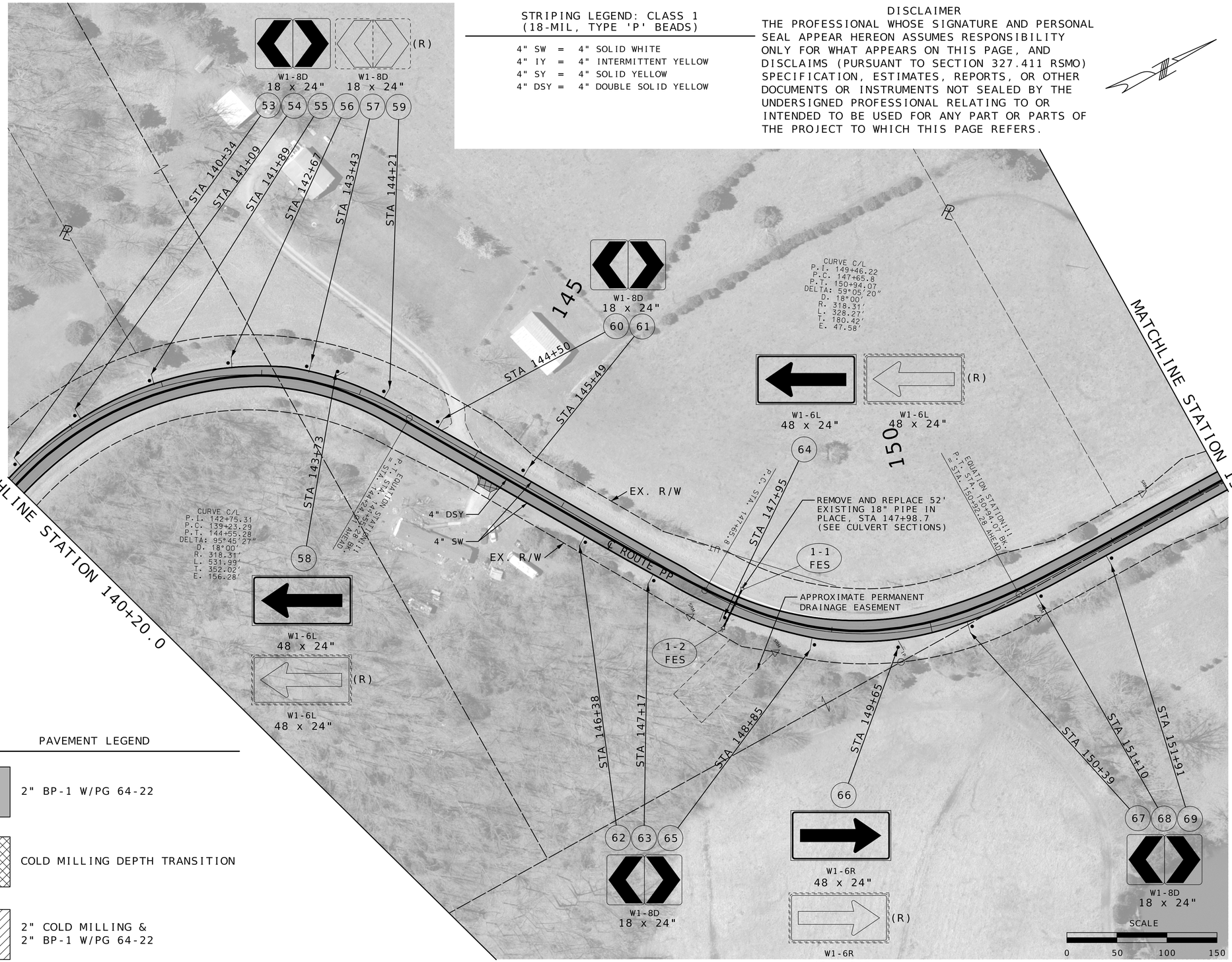

PAVEMENT LEGEND

- 2" BP-1 W/PG 64-22
- COLD MILLING DEPTH TRANSITION
- 2" COLD MILLING & 2" BP-1 W/PG 64-22

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 8:25:21 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	7

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

PLAN SHEET

MATCHLINE STATION 153+25.0

MATCHLINE STATION 166+70.0

STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW	=	4" SOLID WHITE
4" IY	=	4" INTERMITTENT YELLOW
4" SY	=	4" SOLID YELLOW
4" DSY	=	4" DOUBLE SOLID YELLOW

a. W1-3R 36 x 36"

b. 30 M.P.H. W13-1P 24 x 24"

70

STA 153+60

(R) W1-3R 36 x 36"

30 M.P.H. (R) W13-1P 24 x 24"

155

160

165

EX. R/W

℄ ROUTE PP

N00°44'15"E

UT

4" DSY

4" SW

4" IY

4" SY

4" DSY

UIP

APPROXIMATE PERMANENT DRAINAGE EASEMENT

APPROXIMATE PERMANENT DRAINAGE EASEMENT

6' X 14' X 1' ROCK LINING AT CULVERT OUTLET (3 C.Y.)

2-2 FES

2-1 FES

REMOVE AND REPLACE 38' EXISTING 18" PIPE IN PLACE, STA 165+58.2 (SEE CULVERT SECTIONS)

PAVEMENT LEGEND

- 2" BP-1 W/PG 64-22
- COLD MILLING DEPTH TRANSITION
- 2" COLD MILLING & 2" BP-1 W/PG 64-22

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SCALE

0 50 100 150

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 8:41:49 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	8

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

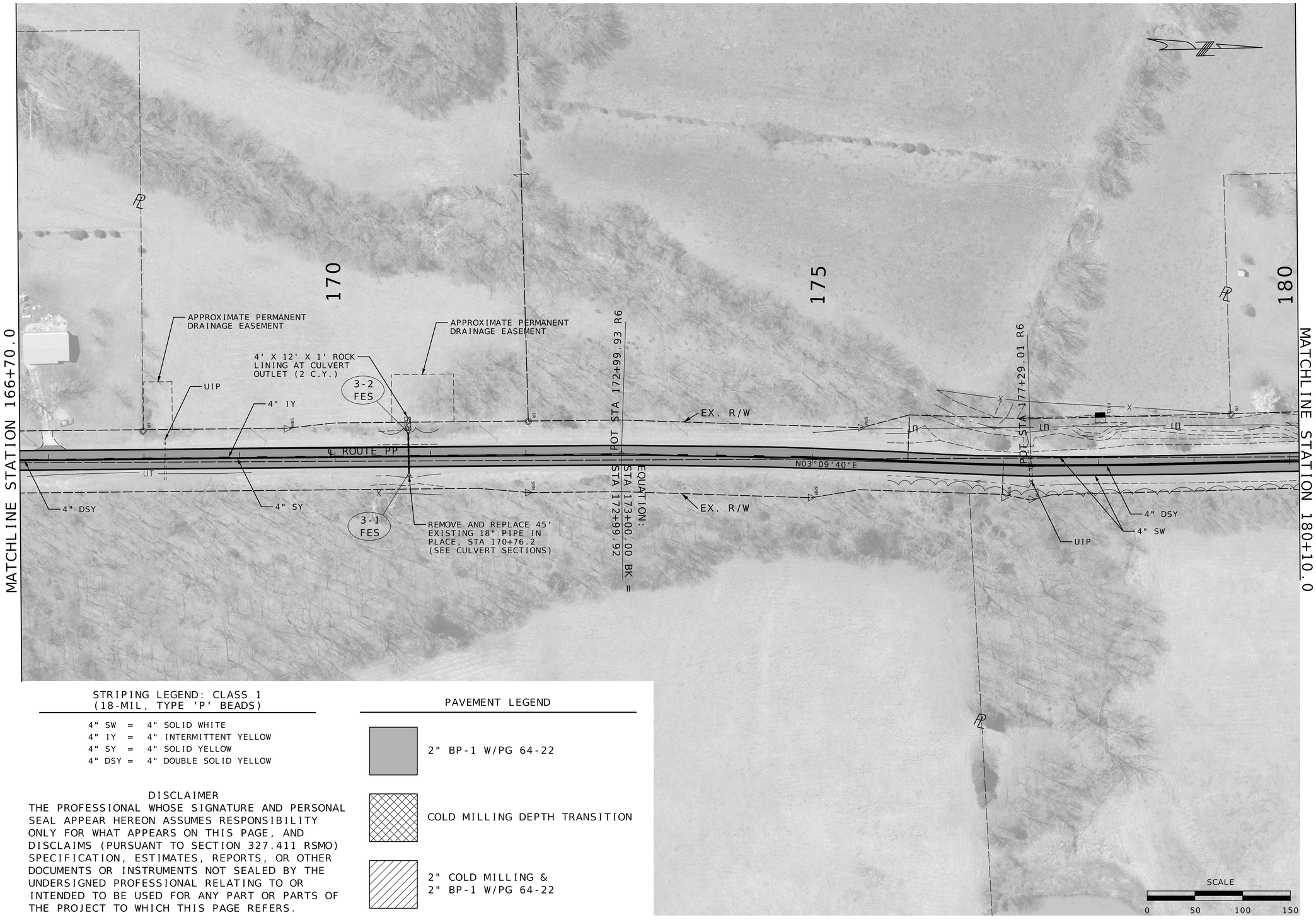
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET



STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
4" SY = 4" SOLID YELLOW
4" DSY = 4" DOUBLE SOLID YELLOW

PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 10:08:55 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	9

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

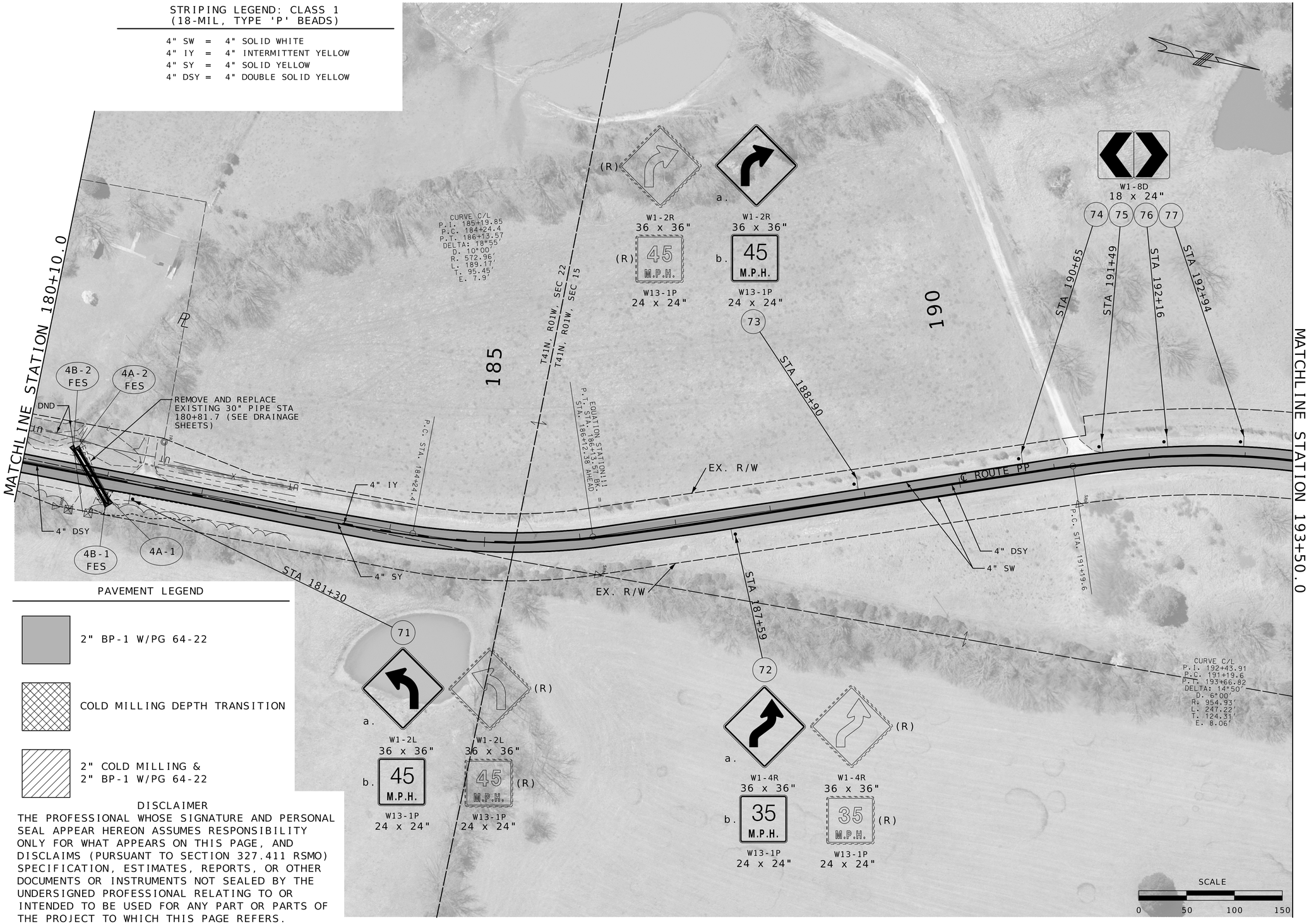
DATE	DESCRIPTION

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

PLAN SHEET

STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
4" SY = 4" SOLID YELLOW
4" DSY = 4" DOUBLE SOLID YELLOW



PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22

DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 10:09:55 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	10

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

PLAN SHEET

STRIPING LEGEND: CLASS 1 (18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
4" SY = 4" SOLID YELLOW
4" DSY = 4" DOUBLE SOLID YELLOW

MATCHLINE STATION 193+50.0

W1-8D
18 x 24"

78

STA 193+74

195

CURVE C/L
P.I. 196+24.04
P.C. 194+88.22
P.T. 197+49.53
DELTA: 36°35'
D. 14°00'
R. 409.26'
L. 261.31'
T. 135.82'
E. 21.78'

P.C. STA. 194+88.22

P.T. STA. 197+49.53

EX. R/W

EX. R/W

℄ ROUTE PP

UIP

PLUM FORD ROAD

STA 194+76

STA 195+54

STA 196+32

STA 197+10

STA 197+89

79 80 81 82 83

W1-8D
18 x 24"

200

(R)

W1-4R
36 x 36"

(R) 35 M.P.H.

W13-1P
24 x 24"

a.

W1-4R
36 x 36"

b. 35 M.P.H.

W13-1P
24 x 24"

84

STA 201+48

205

MATCHLINE STATION 206+90.0

APPROXIMATE PERMANENT DRAINAGE EASEMENT

5-2 FES

REMOVE AND REPLACE EXISTING 18" PIPE, STA 203+50.6 (SEE DRAINAGE SHEETS)

DND

5-1 FES

4" DSY

4" SW

STA 205+82

85

(R)

W1-2R
36 x 36"

(R) 35 M.P.H.

W13-1P
24 x 24"

a.

W1-2R
36 x 36"

b. 35 M.P.H.

W13-1P
24 x 24"

SCALE
0 50 100 150

PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22

DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 10:11:18 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	11

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

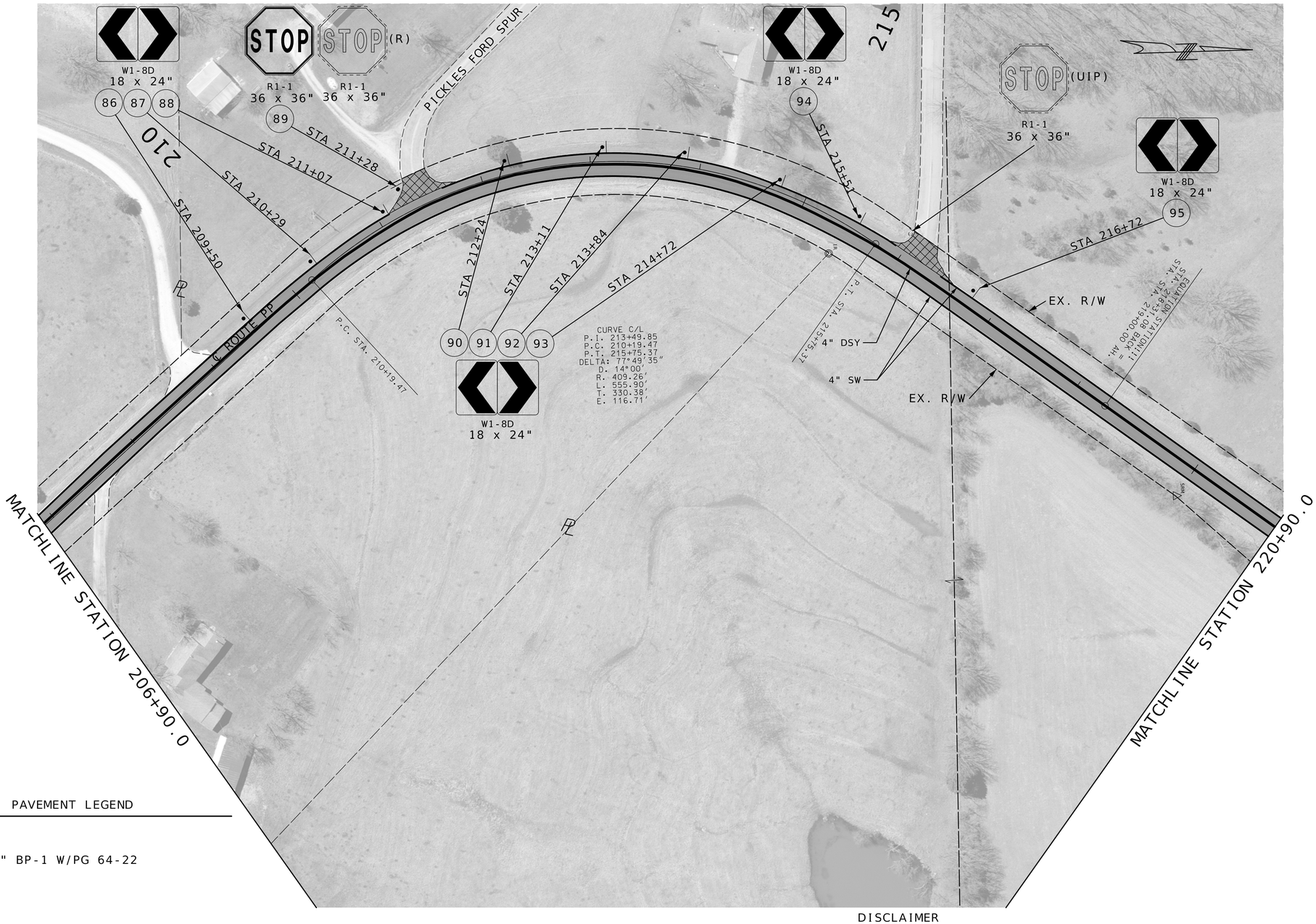
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET



PAVEMENT LEGEND

- 2" BP-1 W/PG 64-22
- COLD MILLING DEPTH TRANSITION
- 2" COLD MILLING & 2" BP-1 W/PG 64-22

STRIPING LEGEND: CLASS 1 (18-MIL, TYPE 'P' BEADS)

4" SW	=	4" SOLID WHITE
4" IY	=	4" INTERMITTENT YELLOW
4" SY	=	4" SOLID YELLOW
4" DSY	=	4" DOUBLE SOLID YELLOW

DISCLAIMER

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SCALE

0 50 100 150

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 10:14:35 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	12

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

PLAN SHEET



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STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW	=	4" SOLID WHITE
4" IY	=	4" INTERMITTENT YELLOW
4" SY	=	4" SOLID YELLOW
4" DSY	=	4" DOUBLE SOLID YELLOW

PAVEMENT LEGEND

- 2" BP-1 W/PG 64-22
- COLD MILLING DEPTH TRANSITION
- 2" COLD MILLING & 2" BP-1 W/PG 64-22

SCALE

0 50 100 150

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 10:15:36 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	13

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

PLAN SHEET

STRIPING LEGEND: CLASS 1 (18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
4" SY = 4" SOLID YELLOW
4" DSY = 4" DOUBLE SOLID YELLOW

MATCHLINE STATION 234+30.0

W1-8D
18 x 24"
106

STOP (UIP)
R1-1
36 x 36"

STA 234+80

235

a. W1-2L 36 x 36"
b. 40 M.P.H. W13-1P 24 x 24"

(R) W1-2L 36 x 36"
(R) 40 M.P.H. W13-1P 24 x 24"

240

107

TUNNEY REED ROAD

STA 237+47

EX. R/W

N 81°39'56" E

4" DSY
4" SW

℄ ROUTE PP

EX. R/W

P.C. STA. 242+68.95

245

EQUATION STATION 1+1. STA. 245+96.70 BK. = STA. 245+97.43 AHEAD

4' X 12' X 1' ROCK LINING AT CULVERT OUTLET (2 C.Y.)

REMOVE AND REPLACE 43' EXISTING 18" PIPE IN PLACE, STA 247+30.2 (SEE CULVERT SECTIONS)

6-1 FES

6-2 FES

MATCHLINE STATION 247+70.0

APPROXIMATE PERMANENT DRAINAGE EASEMENT

STA 239+31
108
(R) W1-2L 36 x 36"
(R) 40 M.P.H. W13-1P 24 x 24"
a. W1-2L 36 x 36"
b. 40 M.P.H. W13-1P 24 x 24"

STA 241+84
109
W1-8D 18 x 24"

STA 242+64
110
W1-8D 18 x 24"

STA 243+43
111
W1-8D 18 x 24"

STA 244+21
112
W1-8D 18 x 24"

STA 244+99
113
W1-8D 18 x 24"

CURVE C/L
P.I. 244+37.44
P.C. 242+68.95
P.T. 245+96.70
DELTA: 32°46'29"
D. 10°00'
R. 572.96'
L. 327.75'
T. 168.49'
E. 24.26'

STA 246+16
114
W1-8D 18 x 24"

STA 246+96
115
W1-8D 18 x 24"

SCALE
0 50 100 150

PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22

DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 10:16:51 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779
DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	14

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

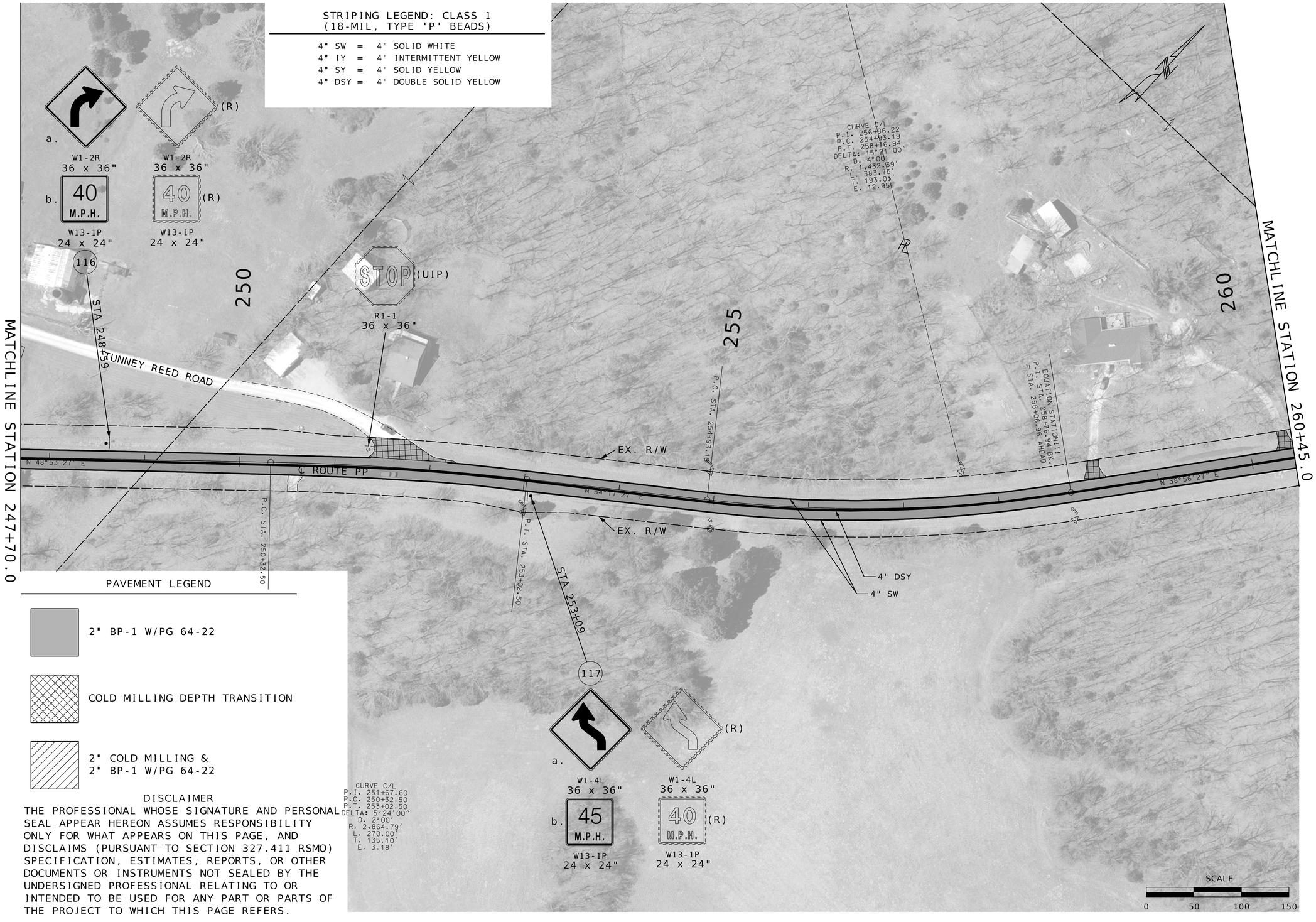
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET



PAVEMENT LEGEND

- 2" BP-1 W/PG 64-22
- COLD MILLING DEPTH TRANSITION
- 2" COLD MILLING & 2" BP-1 W/PG 64-22

DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

Shirley J. Norris
10/22/2025 10:18:41 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	15

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

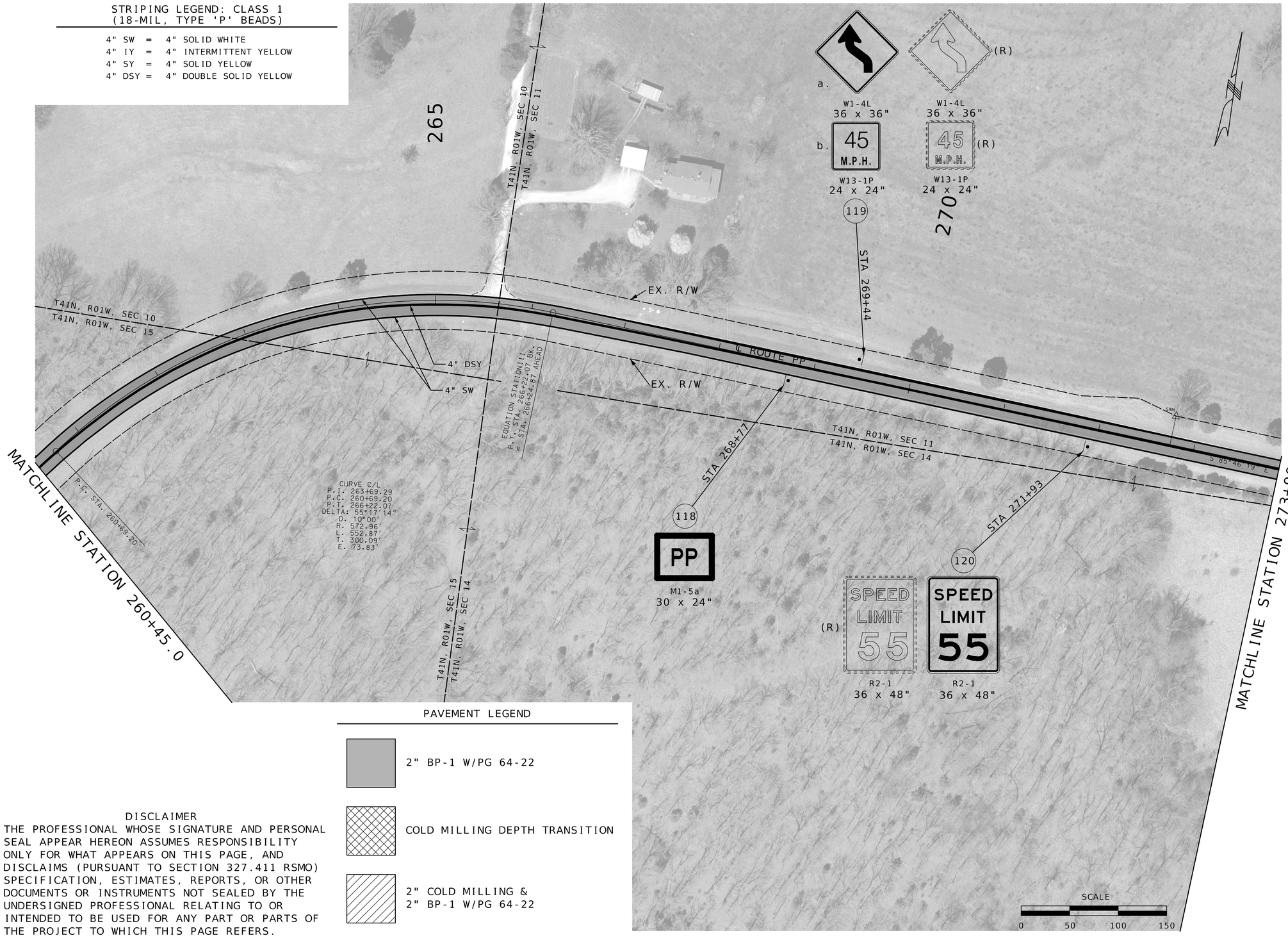
MoDOT

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

PLAN SHEET

STRIPING LEGEND: CLASS 1 (18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
4" SY = 4" SOLID YELLOW
4" DSY = 4" DOUBLE SOLID YELLOW



PAVEMENT LEGEND

- 2" BP-1 W/PG 64-22
- COLD MILLING DEPTH TRANSITION
- 2" COLD MILLING & 2" BP-1 W/PG 64-22

DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 10:20:40 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/21/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 16
COUNTY: FRANKLIN
JOB NO.: JSL0032
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)

PLAN SHEET



STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
4" SY = 4" SOLID YELLOW
4" DSY = 4" DOUBLE SOLID YELLOW

PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22

DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 10:22:11 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	17

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

PLAN SHEET

STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
4" SY = 4" SOLID YELLOW
4" DSY = 4" DOUBLE SOLID YELLOW

PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22

DISCLAIMER

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MATCHLINE STATION 287+30.0

PP
M1-5a
30 x 24"
122

STA 288+57

UIP

4" IY

4" DSY

4" SY

℄ ROUTE PP

290

$1000 MAXIMUM FINE and/or A YEAR IN JAIL FOR LITTERING
NoMOre TraSH!
(R)
R5-26
30 x 42"

CURVE C/L
P.I. 294+78.04
P.C. 293+26.30
P.T. 296+24.21
DELTA: 26°48'44"
D. 9°00'
R. 636.62'
L. 297.91'
T. 151.74'
E. 17.83'

P.C. STA. 293+26.30

P.T. EQUATION STATION 1:1
= STA. 296+24.91 AHEAD
P. STA. 296+24.91 BK.
= STA. 296+24.21 AHEAD

295

EX. R/W

EX. R/W

4" SW

300

MATCHLINE STATION 300+70.0

a.
W1-2R
36 x 36"

(R)
W1-2R
36 x 36"

b.
35
M.P.H.
W13-1P
24 x 24"

35
M.P.H.
(R)
W13-1P
24 x 24"

130

STA 299+56

STA 289+52

123

T41N, R01W, SEC 11
T41N, R01W, SEC 14

a.
W1-2L
36 x 36"

(R)
W1-2L
36 x 36"

b.
35
M.P.H.
W13-1P
24 x 24"

35
M.P.H.
(R)
W13-1P
24 x 24"

STA 292+17
STA 293+06
STA 293+89
STA 295+03
STA 295+81
STA 296+60

124 W1-8D 18 x 24"
125 W1-8D 18 x 24"
126 W1-8D 18 x 24"
127 W1-8D 18 x 24"
128 W1-8D 18 x 24"
129 W1-8D 18 x 24"

SCALE
0 50 100 150

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 10:23:20 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779
DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	18

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

PLAN SHEET

STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

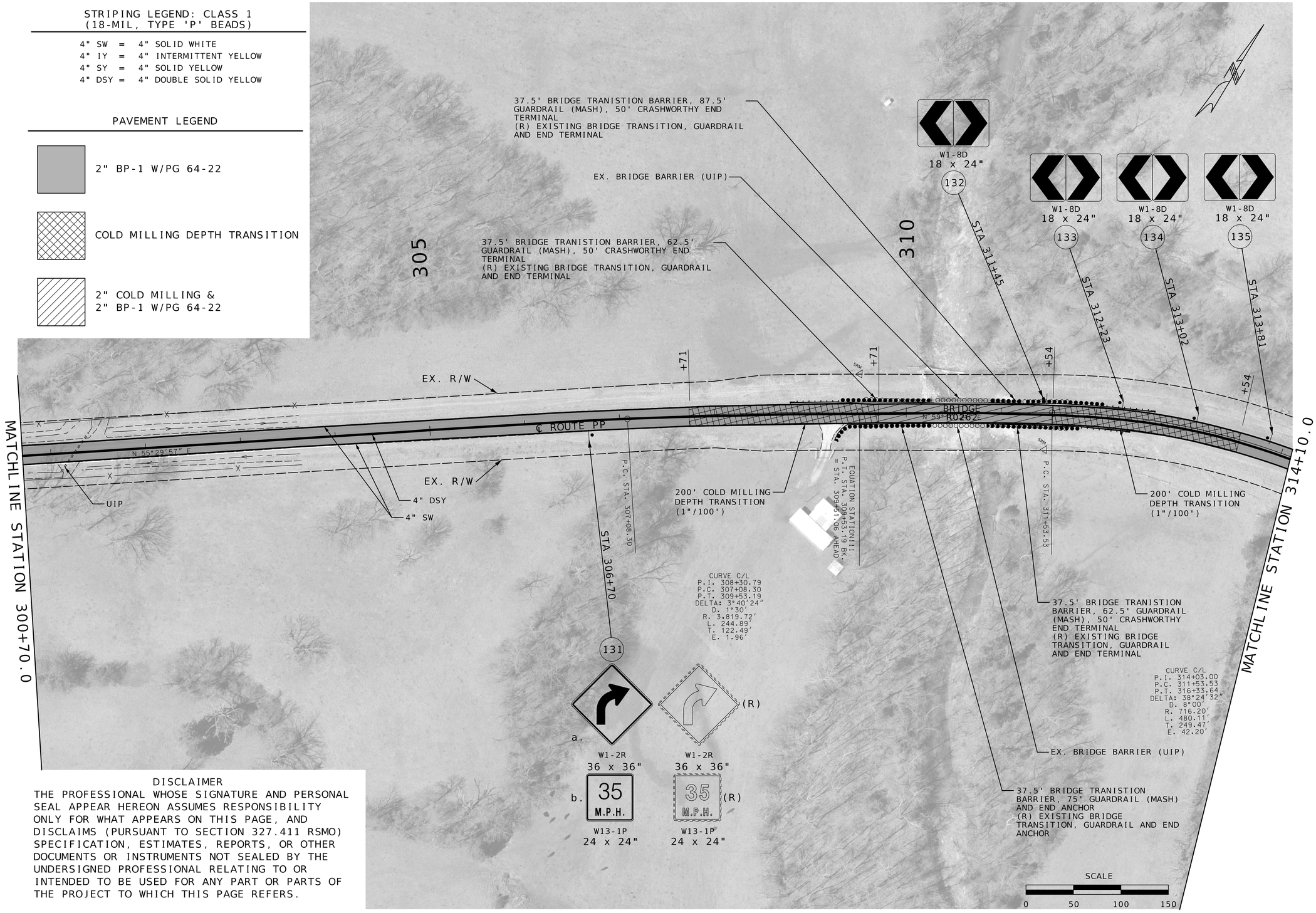
4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
4" SY = 4" SOLID YELLOW
4" DSY = 4" DOUBLE SOLID YELLOW

PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22



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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 10:24:21 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED	10/21/2025
ROUTE	PP
STATE	MO
DISTRICT	SL
SHEET NO.	19
COUNTY	FRANKLIN
JOB NO.	JSL0032
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

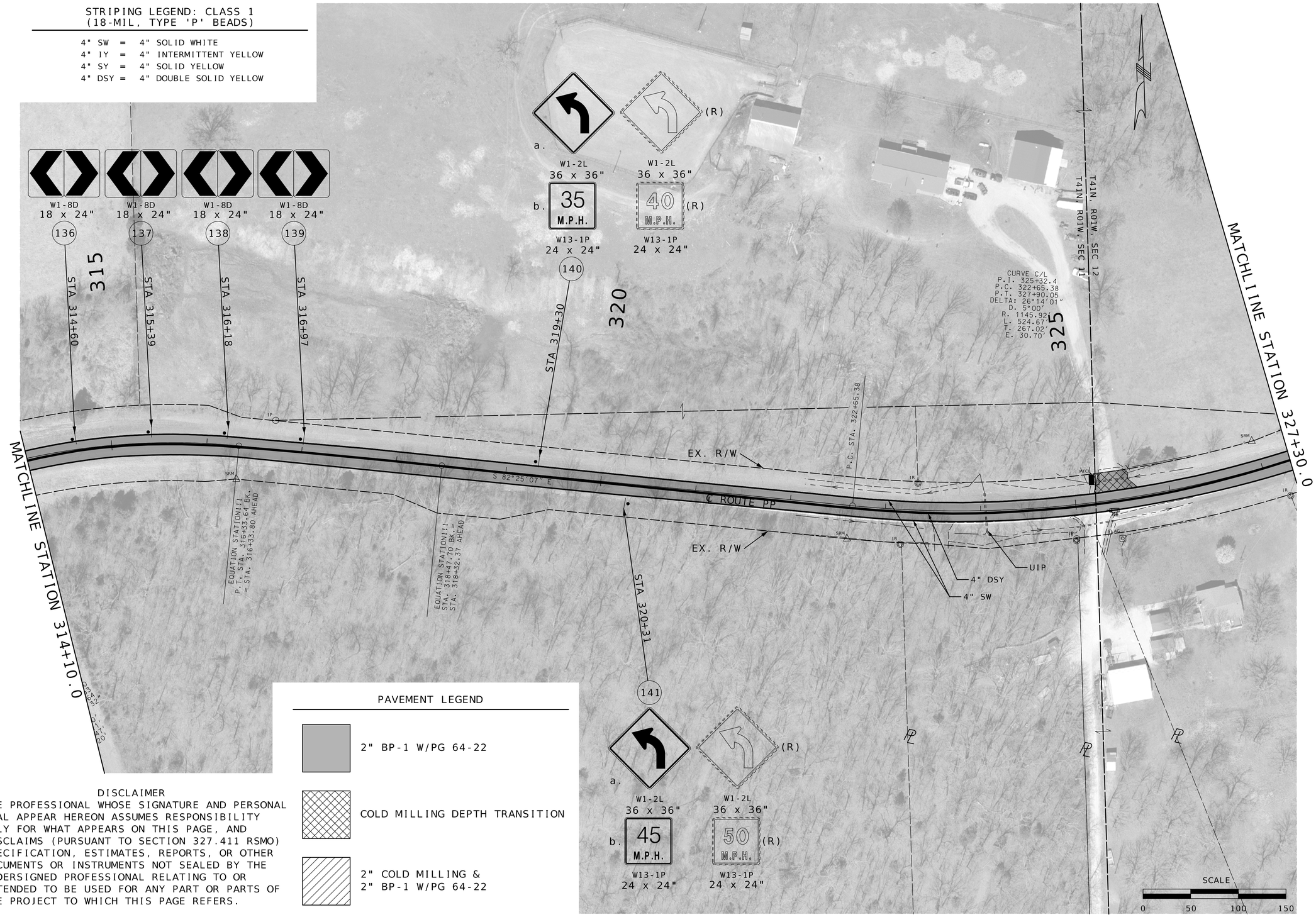
MoDOT

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

PLAN SHEET

STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
4" SY = 4" SOLID YELLOW
4" DSY = 4" DOUBLE SOLID YELLOW



PAVEMENT LEGEND

- 2" BP-1 W/PG 64-22
- COLD MILLING DEPTH TRANSITION
- 2" COLD MILLING & 2" BP-1 W/PG 64-22

DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 10:25:18 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	20

COUNTY: FRANKLIN
JOB NO.: JSL0032
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)

PLAN SHEET

STRIPING LEGEND: CLASS 1 (18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
4" SY = 4" SOLID YELLOW
4" DSY = 4" DOUBLE SOLID YELLOW

PAVEMENT LEGEND

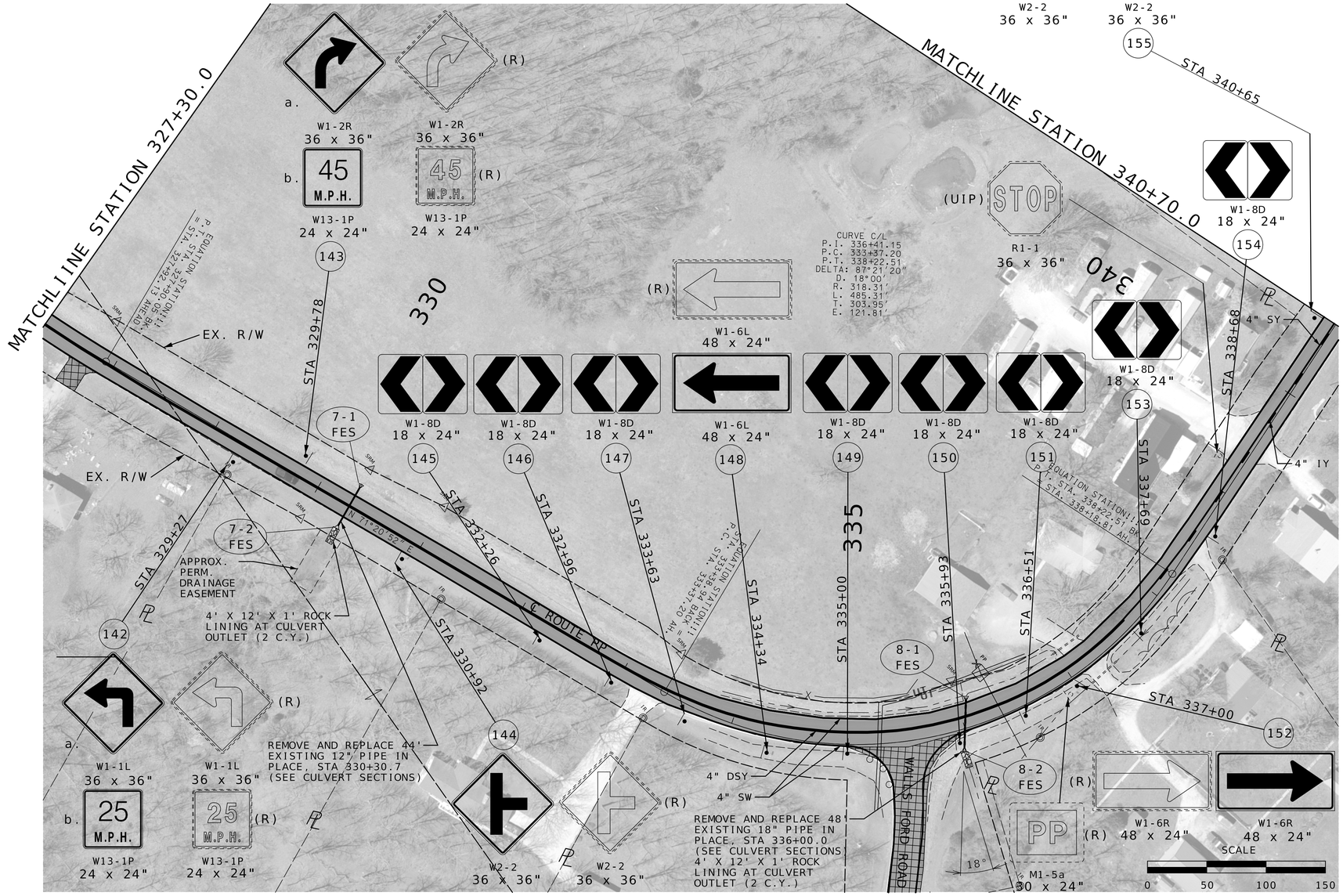
2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 11:46:25 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	21

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

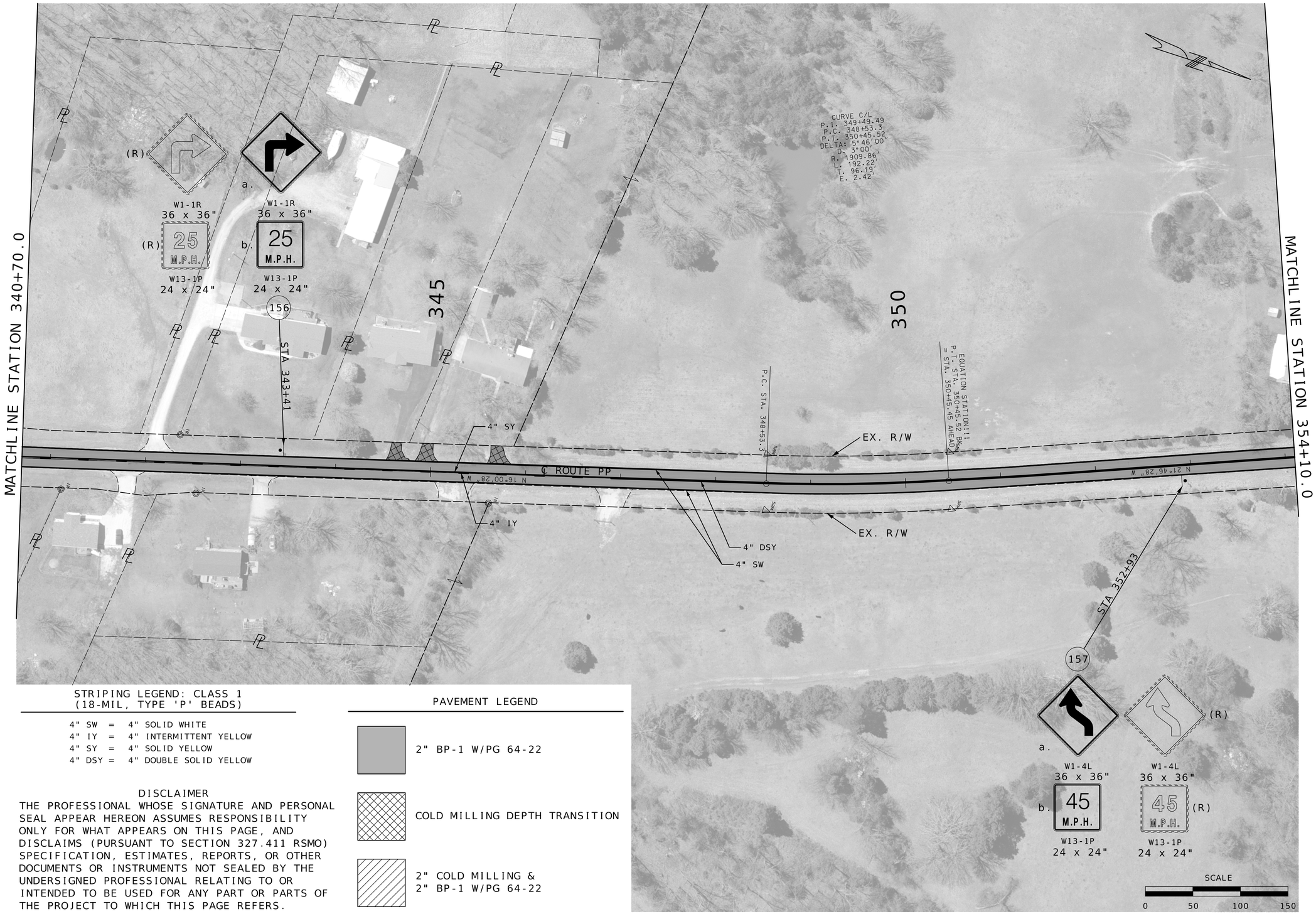
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET



STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
4" SY = 4" SOLID YELLOW
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PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22

DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 11:48:14 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	22

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

PLAN SHEET



STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW	=	4" SOLID WHITE
4" IY	=	4" INTERMITTENT YELLOW
4" SY	=	4" SOLID YELLOW
4" DSY	=	4" DOUBLE SOLID YELLOW

PAVEMENT LEGEND

- 2" BP-1 W/PG 64-22
- COLD MILLING DEPTH TRANSITION
- 2" COLD MILLING & 2" BP-1 W/PG 64-22

DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 11:50:43 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	23

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

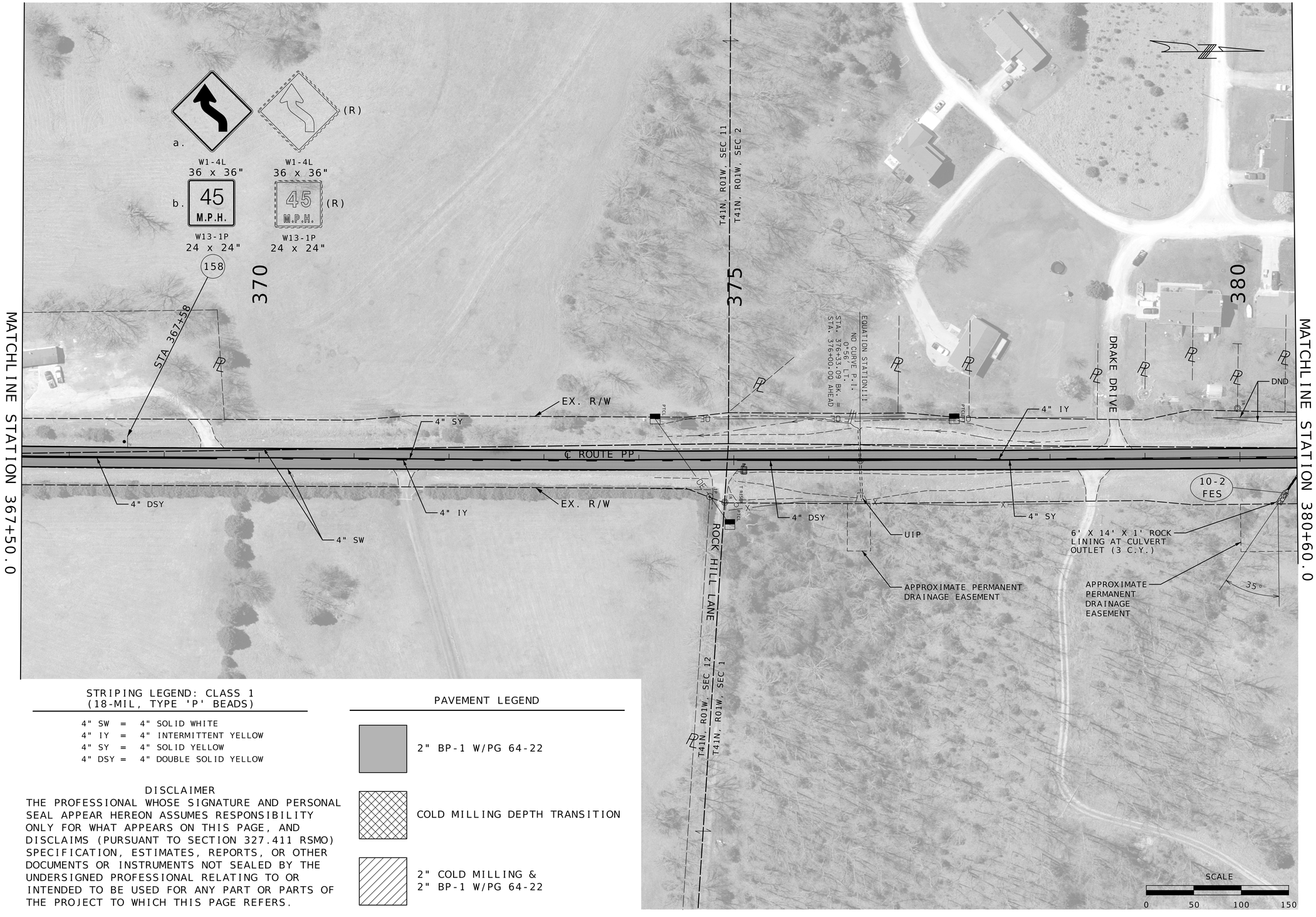
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET



STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
4" SY = 4" SOLID YELLOW
4" DSY = 4" DOUBLE SOLID YELLOW

PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22

DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 11:52:34 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED	10/21/2025
ROUTE	PP
STATE	MO
DISTRICT	SL
SHEET NO.	24
COUNTY	FRANKLIN
JOB NO.	JSL0032
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

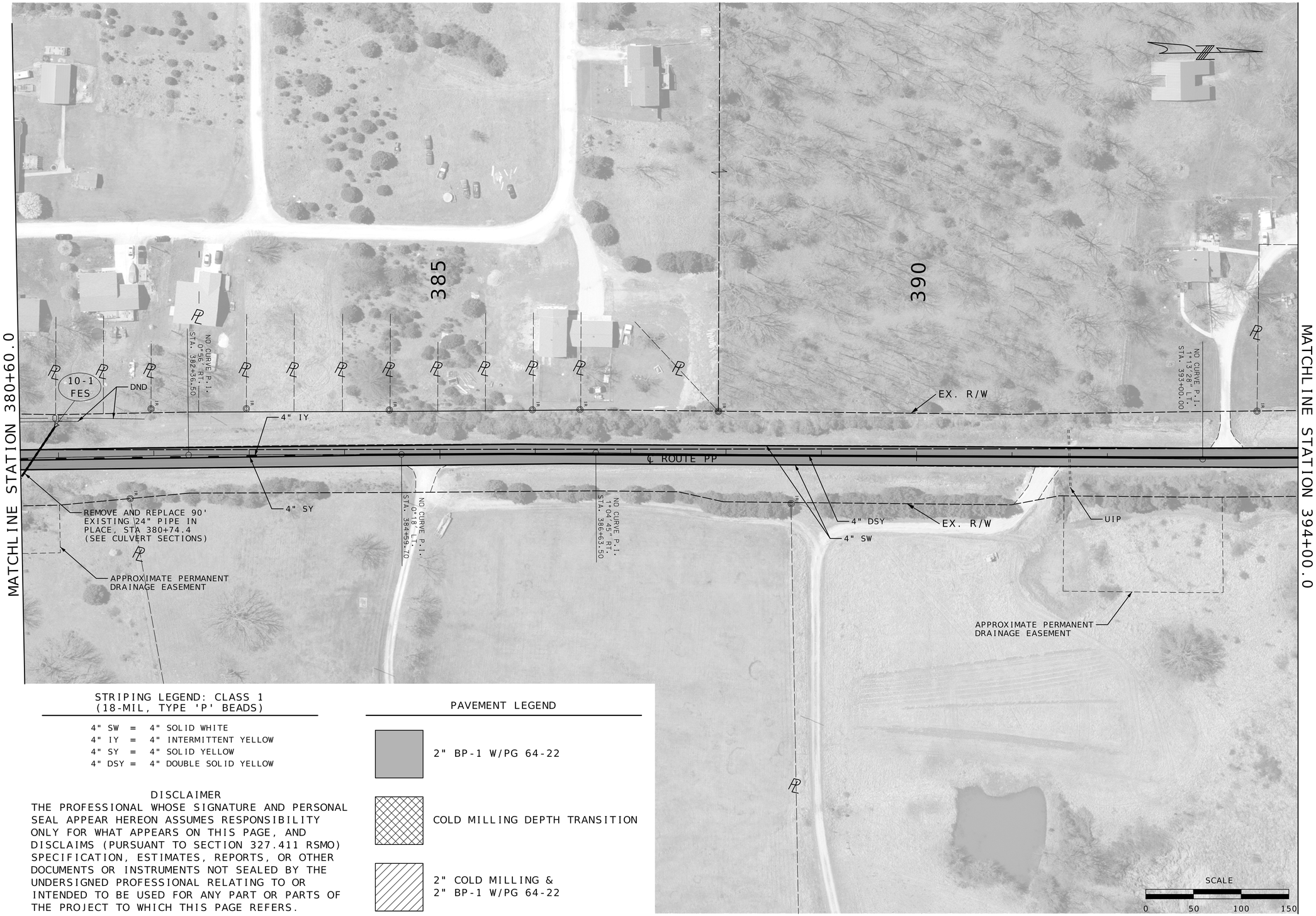
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

PLAN SHEET



STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW	=	4" SOLID WHITE
4" IY	=	4" INTERMITTENT YELLOW
4" SY	=	4" SOLID YELLOW
4" DSY	=	4" DOUBLE SOLID YELLOW

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PAVEMENT LEGEND

- 2" BP-1 W/PG 64-22
- COLD MILLING DEPTH TRANSITION
- 2" COLD MILLING &
  2" BP-1 W/PG 64-22

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

Shirley J. Norris

10/22/2025 11:53:38 AM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	25

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

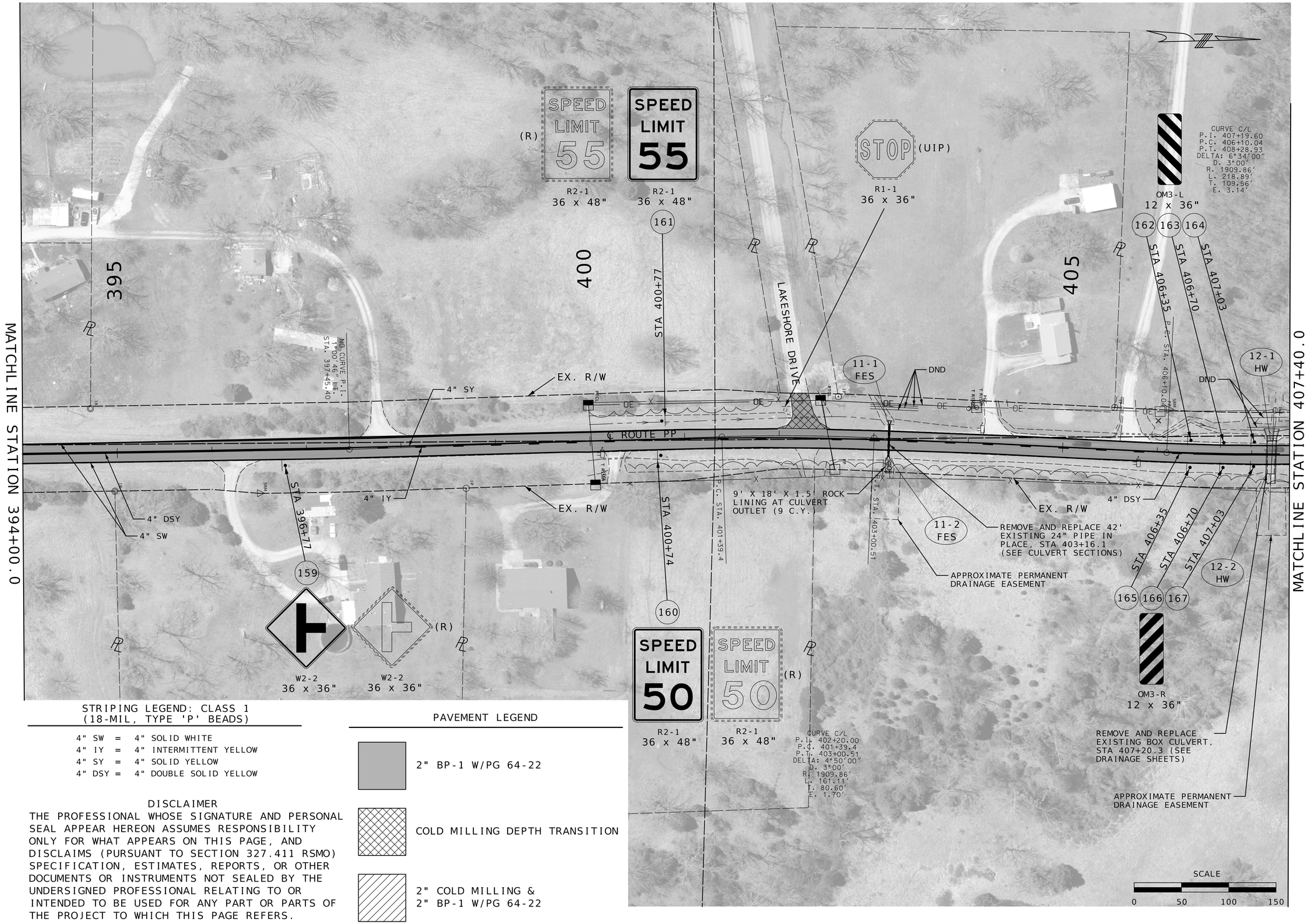
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

PLAN SHEET



STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
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PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22

DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 12:34:09 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED	10/21/2025
ROUTE	PP
STATE	MO
DISTRICT	SL
SHEET NO.	26
COUNTY	FRANKLIN
JOB NO.	JSL0032
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)

PLAN SHEET

STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

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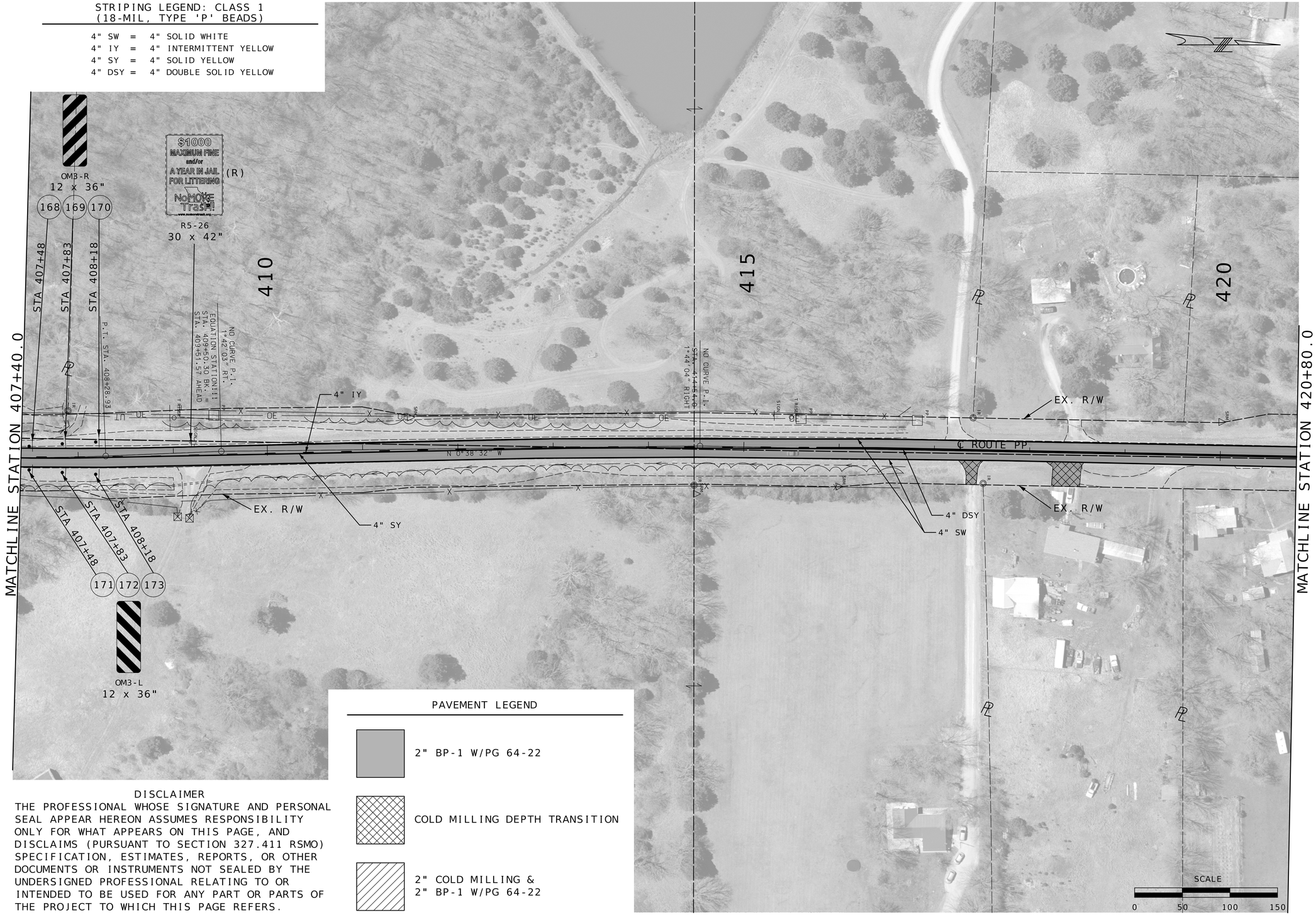

PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
Shirley J. Norris
10/22/2025 12:35:12 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	27

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

PLAN SHEET

MATCHLINE STATION 420+80.0

MATCHLINE STATION 434+20.0

CHARLES DRIVE

CRESCENT LAKE ROAD

(R) STOP STOP

R1-1 36 x 36" R1-1 36 x 36"

174

STA 426+05

425

T41N, R01W, SEC 2

T41N, R01W, SEC 35

430

(R) OM3-L 12 x 36" OM3-L 12 x 36"

177

STA 431+75

OM3-R 12 x 36"

178

STA 433+01

13-1 FES

DND

EX. R/W

14-1 FES

DND

℄ ROUTE PP

N 1°05'32" E

13-2 FES

REMOVE AND REPLACE 50' EXISTING 18" PIPE IN PLACE, STA 421+69.0 (SEE CULVERT SECTIONS)

4' X 12' X 1' ROCK LINING AT CULVERT OUTLET (2 C.Y.)

APPROXIMATE PERMANENT DRAINAGE EASEMENT

4" DSY

4" SW

STA 427+75

175

PP

M1-5a 30 x 24"

14-2 FES

REMOVE AND REPLACE 51' EXISTING 18" PIPE IN PLACE, STA 428+28.3 (SEE CULVERT SECTIONS)

4' X 12' X 1' ROCK LINING AT CULVERT OUTLET (2 C.Y.)

APPROXIMATE PERMANENT DRAINAGE EASEMENT

EX. R/W

STA 431+75

176

(R) OM3-R 12 x 36" OM3-R 12 x 36"

APPROXIMATE PERMANENT DRAINAGE EASEMENT

UIP

STA 433+01

179

(R) OM3-L 12 x 36" OM3-L 12 x 36"

T41N, R01W, SEC 36

T41N, R01W, SEC 1

SCALE

0 50 100 150

STRIPING LEGEND: CLASS 1 (18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
4" IY = 4" INTERMITTENT YELLOW
4" SY = 4" SOLID YELLOW
4" DSY = 4" DOUBLE SOLID YELLOW

PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING & 2" BP-1 W/PG 64-22

DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
Shirley J. Norris
10/22/2025 12:36:52 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	28

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

PLAN SHEET

STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

4" SW = 4" SOLID WHITE
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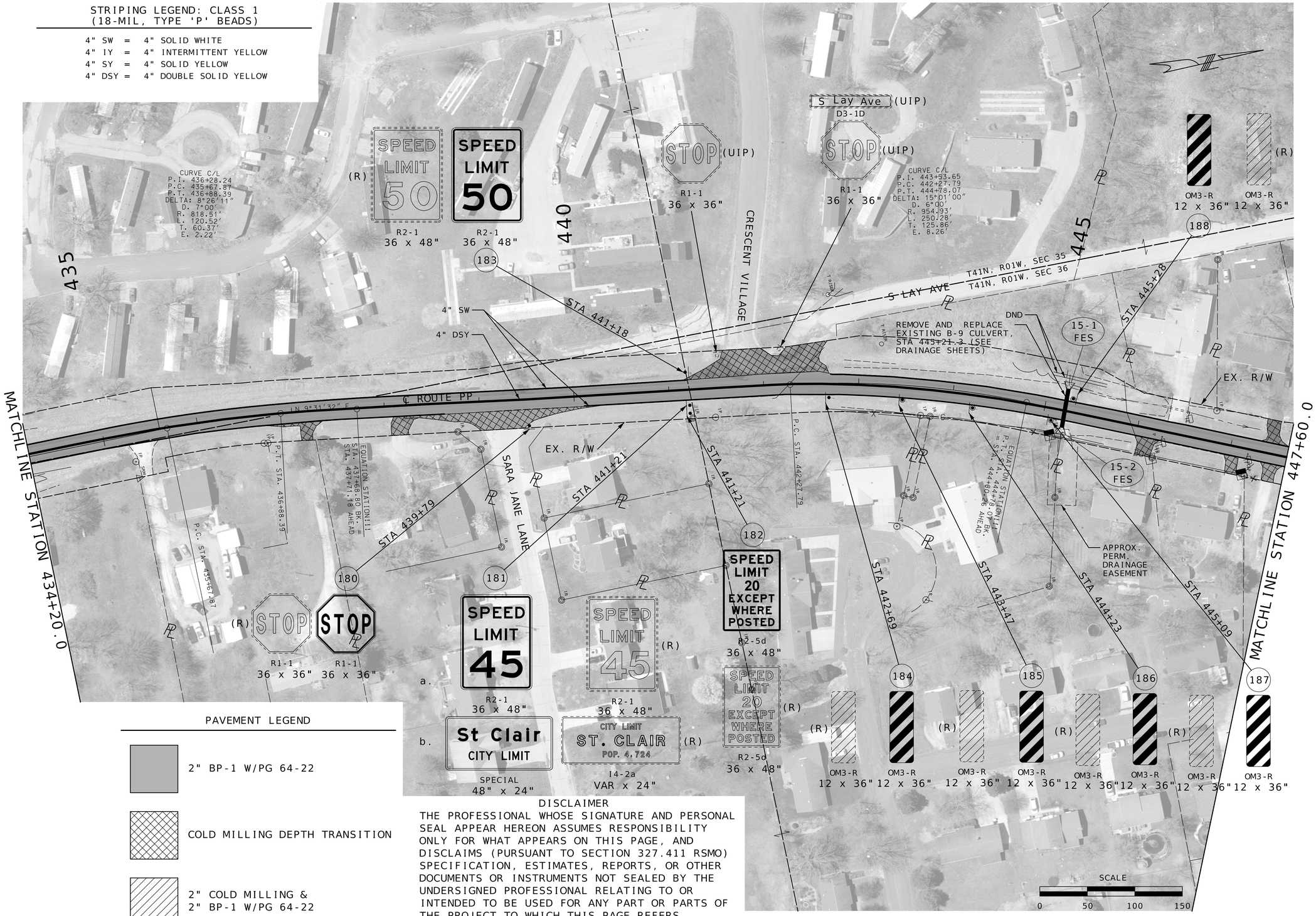

PAVEMENT LEGEND

2" BP-1 W/PG 64-22

COLD MILLING DEPTH TRANSITION

2" COLD MILLING &
2" BP-1 W/PG 64-22

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 12:39:53 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED	10/21/2025
ROUTE	PP
STATE	MO
DISTRICT	SL
SHEET NO.	29
COUNTY	FRANKLIN
JOB NO.	JSL0032
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)

PLAN SHEET

STRIPING LEGEND: CLASS 1
(18-MIL, TYPE 'P' BEADS)

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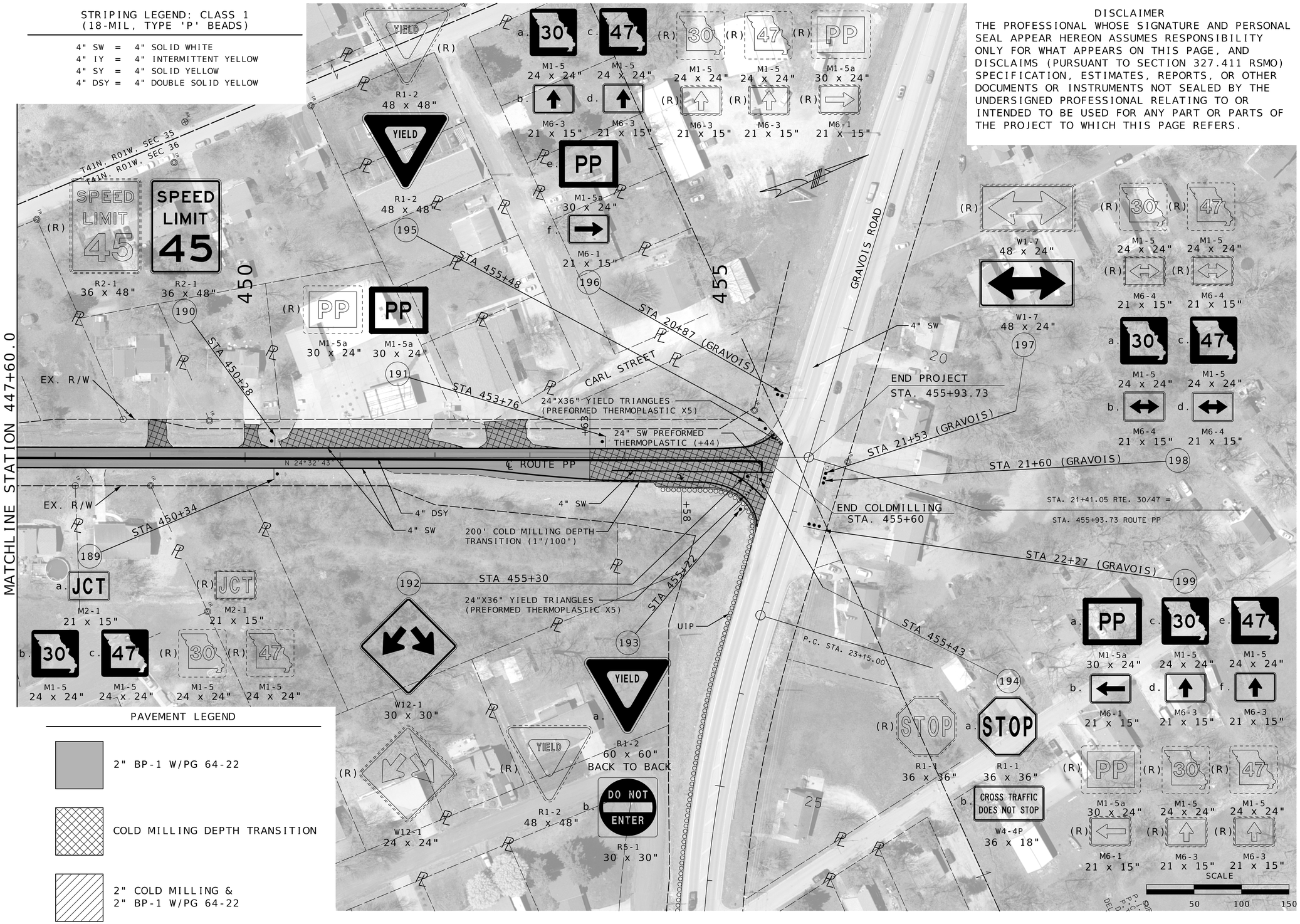


PAVEMENT LEGEND

- 2" BP-1 W/PG 64-22
- COLD MILLING DEPTH TRANSITION
- 2" COLD MILLING & 2" BP-1 W/PG 64-22

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 12:40:52 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	30

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

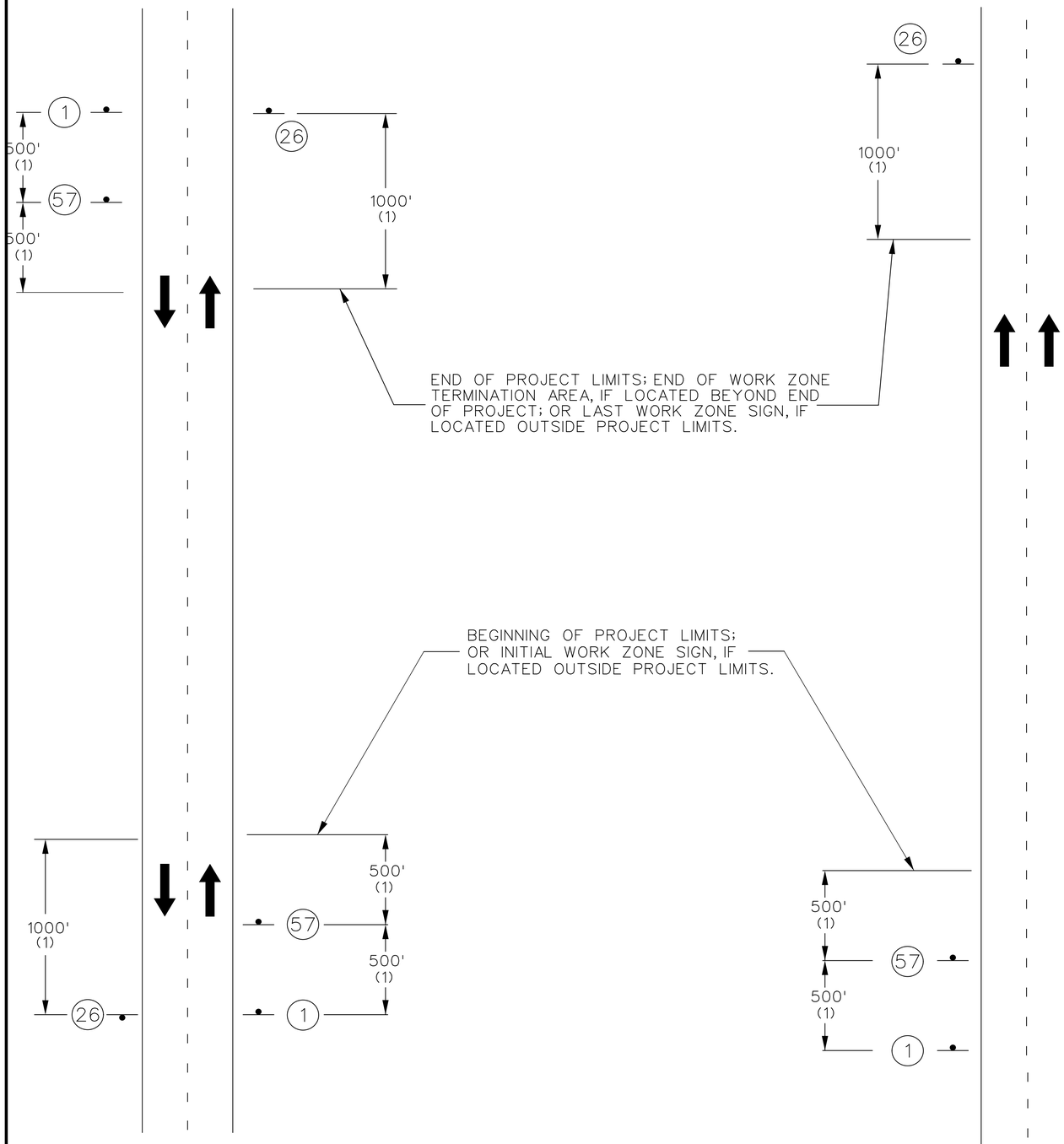
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET



TWO-LANE UNDIVIDED

MULTI-LANE DIVIDED

BEGIN/END OF PROJECT SIGNING
(FOR USE ON ALL PROJECTS)

NOTES:
SIGN G020-1 IS REQUIRED PER EPG 616.6.56.

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.

(3) CONST-5-96 OR CONST-5-48 SIGN IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-72 OR CONST-7-48.

(5) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. 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 RIGHTS OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96 IN. 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.

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



NOT TO SCALE

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 12:41:59 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

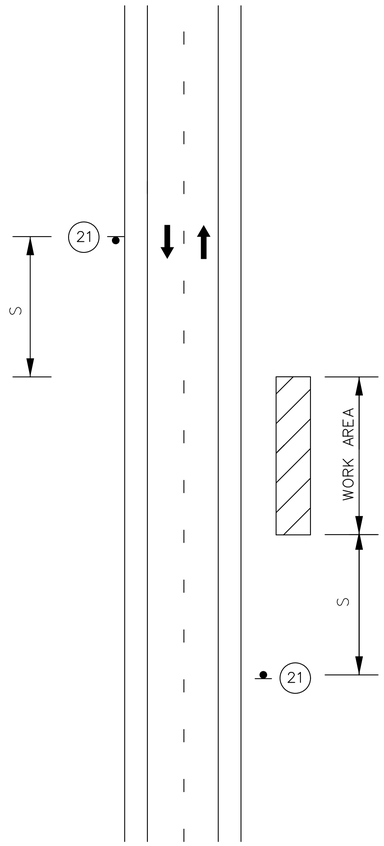
DATE PREPARED: 10/21/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 31
COUNTY: FRANKLIN
JOB NO.: JSL0032
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

TRAFFIC CONTROL
BEGIN/END OF PROJECT

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
40-45	350	500	–	–	–	–	–
50-55	500	1000	–	–	–	–	–





SHOULDER WORK
WORK BEYOND THE SHOULDER
DIVIDED AND UNDIVIDED

NOTES:

ONLY APPLICABLE WHEN WORK IS WITHIN THE CLEAR ZONE.

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

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

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TRAFFIC CONTROL LEGEND

SIGN (SINGLE SIDED)

WORK AREA

NOT TO SCALE

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 12:42:54 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	32

COUNTY
FRANKLIN

JOB NO.
JSL0032

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
WORK BEYOND THE SHOULDER

DISCLAIMER

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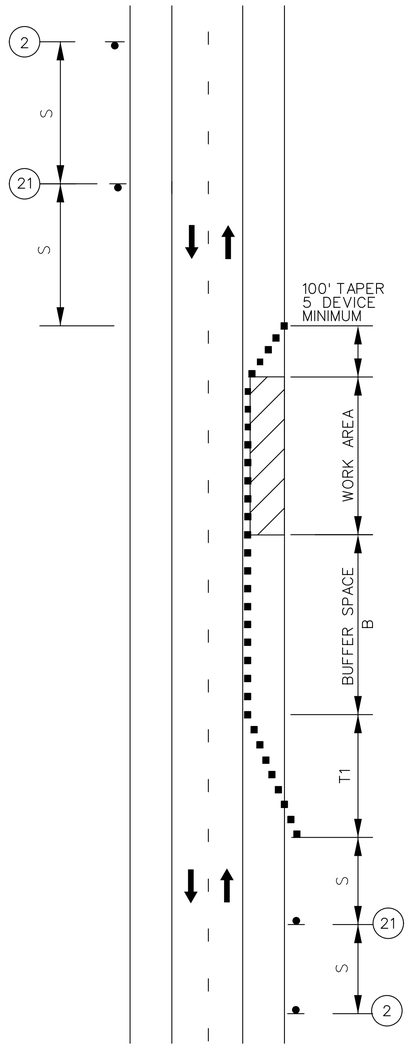


WORK ON THE SHOULDER ON DIVIDED AND UNDIVIDED HIGHWAYS

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	560	560	50	80

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.



W020-1

2



W021-5b

21

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA

NOTES:

PROVIDE SIGNS ON LEFT AND RIGHT SIDES OF DIVIDED HIGHWAYS.

ROAD WORK AHEAD SIGN NOT NEEDED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER ROAD WORK AHEAD SIGN IS ALREADY USED.

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S ROTATING LIGHTS 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.

NOT TO SCALE

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 12:44:27 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	33

COUNTY: FRANKLIN

JOB NO.: JSL0032

CONTRACT ID.:

PROJECT NO.:

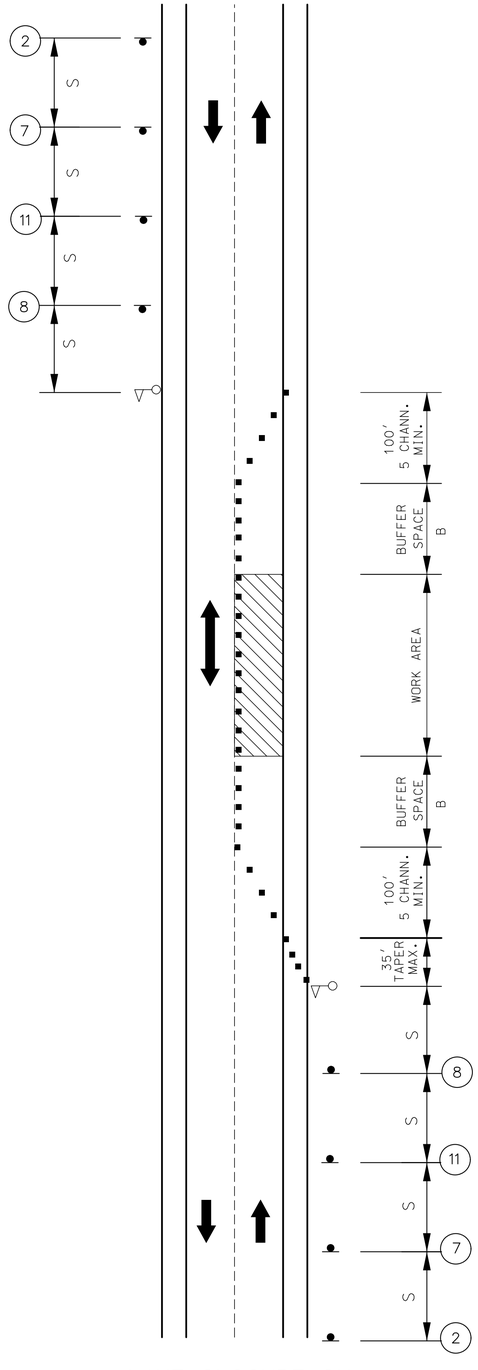
BRIDGE NO.:

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL
WORK ON THE SHOULDER



LANE CLOSURE ON
TWO-LANE ROAD
USING FLAGGERS

NOT TO SCALE



W020-1
(2)



W020-4
(7)



W020-7a
(8)



W03-4
(11)

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NOTES:

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

AFAD AND PSFD TYPICAL APPLICATIONS AND CRITERIA ARE LOCATED AT THE FOLLOWING: EPG 616.8.10A (TA-10A) LANE CLOSURE ON TWO-LANE HIGHWAYS USING AUTOMATED FLAGGER ASSISTANCE DEVICE WITH RED AND AMBER SIGNAL SYSTEM & EPG 616.8.10C (TA-10C) LANE CLOSURE ON TWO-LANE HIGHWAYS USING PORTABLE SIGNAL FLAGGING DEVICE.

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 RUMBLE STRIPS.

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

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLAGGER

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
40-45	350	–	–	–	400	–	80
50-55	500	–	–	–	560	–	80
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
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SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/21/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 34
COUNTY: FRANKLIN
JOB NO.: JSL0032
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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TRAFFIC CONTROL
FLAGGER CONTROL STATIONARY

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W020-1
(2)

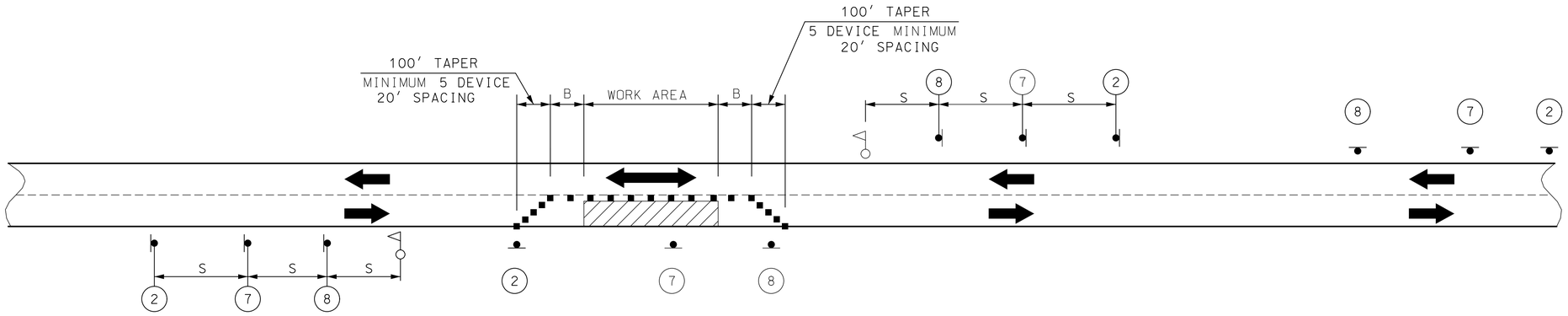


W020-4
(7)



W020-7a
(8)

FLAGGER CONTROL RESURFACING OR MOVING OPERATION ONE LANE TWO-WAY OPERATION



SET 1
ACTIVE

SET 2
INACTIVE

SET 3
ACTIVE

SET 4
INACTIVE

NOTES:

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 SETS 2 AND 4 BECOME ACTIVE (IE, NEW SIGN SETS 1 AND 3) AND SIGN SETS 1 AND 3 ADVANCED IN THE DIRECTION OF THE OPERATION (IE, NEW SIGN SETS 2 AND 4)

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.

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES

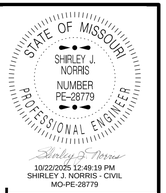
NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLAGGER

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
40-45	350	–	–	–	400	–	80
50-55	500	–	–	–	560	–	80

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.



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SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	35

COUNTY
FRANKLIN

JOB NO.
JSL0032

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
FLAGGER CONTROL MOVING OPERATION

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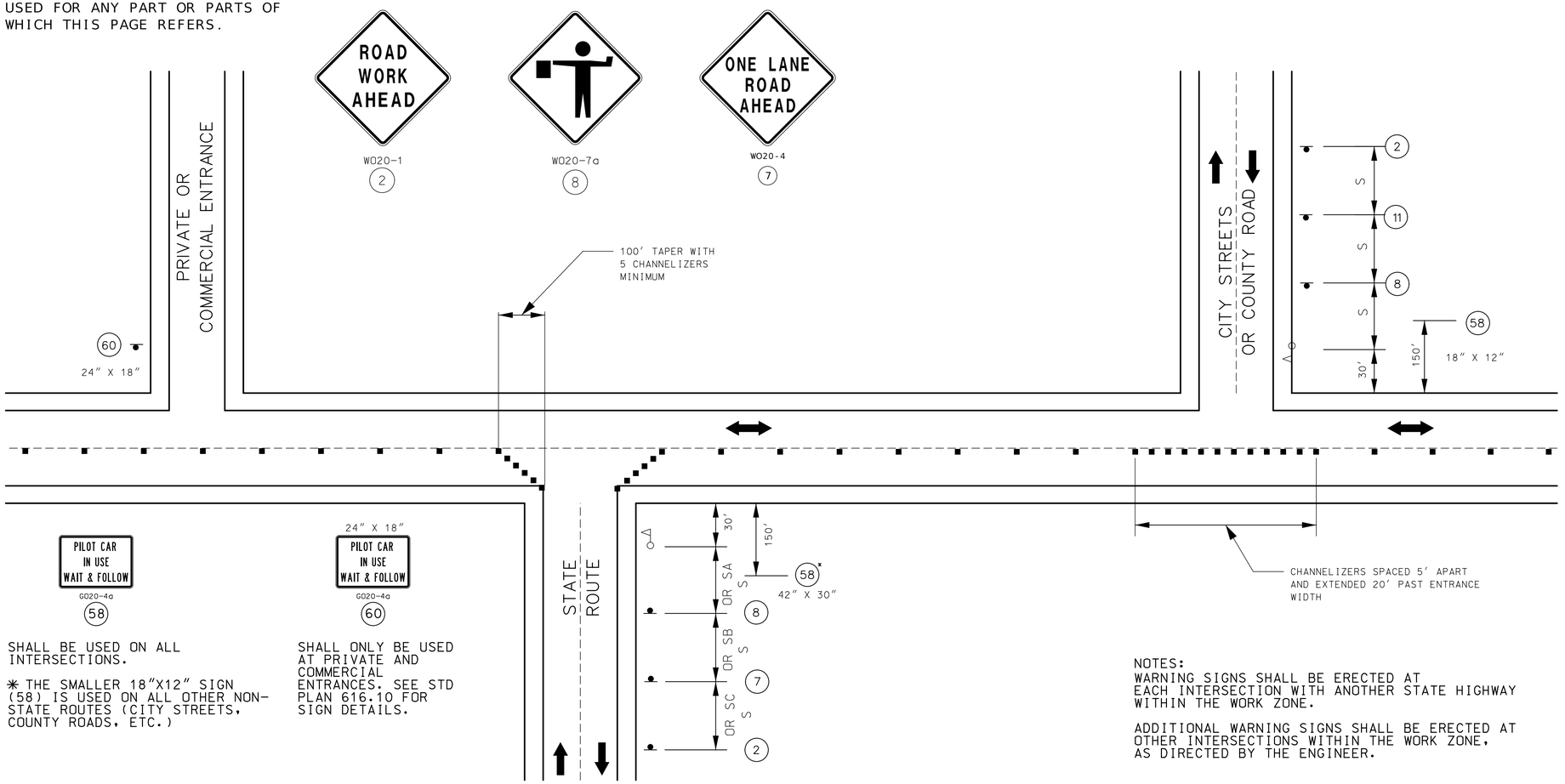

SHALL BE USED ON ALL INTERSECTIONS.

✳ THE SMALLER 18"X12" SIGN (58) IS USED ON ALL OTHER NON-STATE ROUTES (CITY STREETS, COUNTY ROADS, ETC.)

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

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.

SIDE ROADS ENTERING WORK ZONES
(PAVEMENT TREATMENT FOR TWO-LANE ROADWAYS)

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- FLAGGER

SPEED	SIGN SPACING (FT) (1)		CHANNELIZER SPACING (FT)
PERMANENT POSTED (MPH)	NON-DIVIDED (S)	DIVIDED (S)	BUFFER/ WORK AREA (TYP.)
40-45	350	-	80
50-55	500	-	80

(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.

NOT TO SCALE

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
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SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 11/10/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	36

COUNTY: FRANKLIN
JOB NO.: JSL0032
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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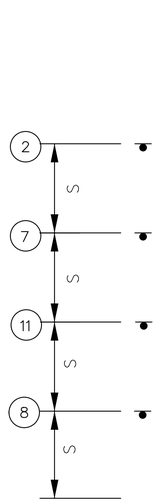
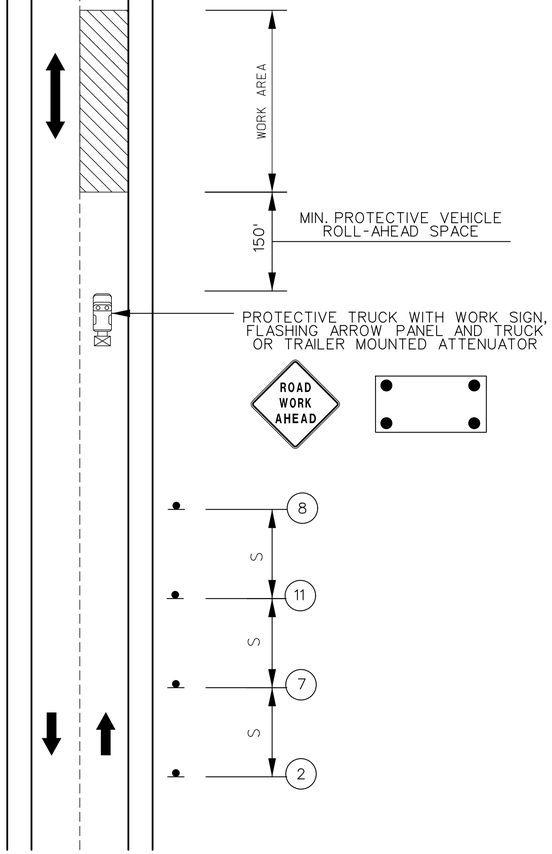
TRAFFIC CONTROL
SIDE ROADS ENTERING WORK ZONE





MOBILE OPERATION
ON TWO-LANE HIGHWAYS

NOT TO SCALE



W020-1
(2)



W020-4
(7)



W020-7a
(8)



W03-4
(11)

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NOTES:

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

FLASHING ARROW PANELS SHALL BE OPERATED IN CAUTION MODE.

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

SEE EPG TYPICAL APPLICATION 616.10 LANE CLOSURE ON TWO-LANE HIGHWAYS USING FLAGGERS-DE/CM FOR FLAGGER LOCATIONS.

THE FLAGGER POSITION SHOULD BE LOCATED WHERE THEY WILL PROVIDE THE MOST VALUE TO THE MOTORIST AND THE WORK CREW.

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

VEHICLE HAZARD WARNING LIGHTS 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 LEGEND ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 RUMBLE STRIPS.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- TMA (TRUCK MOUNTED ATTENUATOR)

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
40-45	350	–	–	–	–	–	–
50-55	500	–	–	–	–	–	–
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 12:48:15 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/21/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 37
COUNTY: FRANKLIN
JOB NO.: JSL0032
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
MOBILE OPERATION

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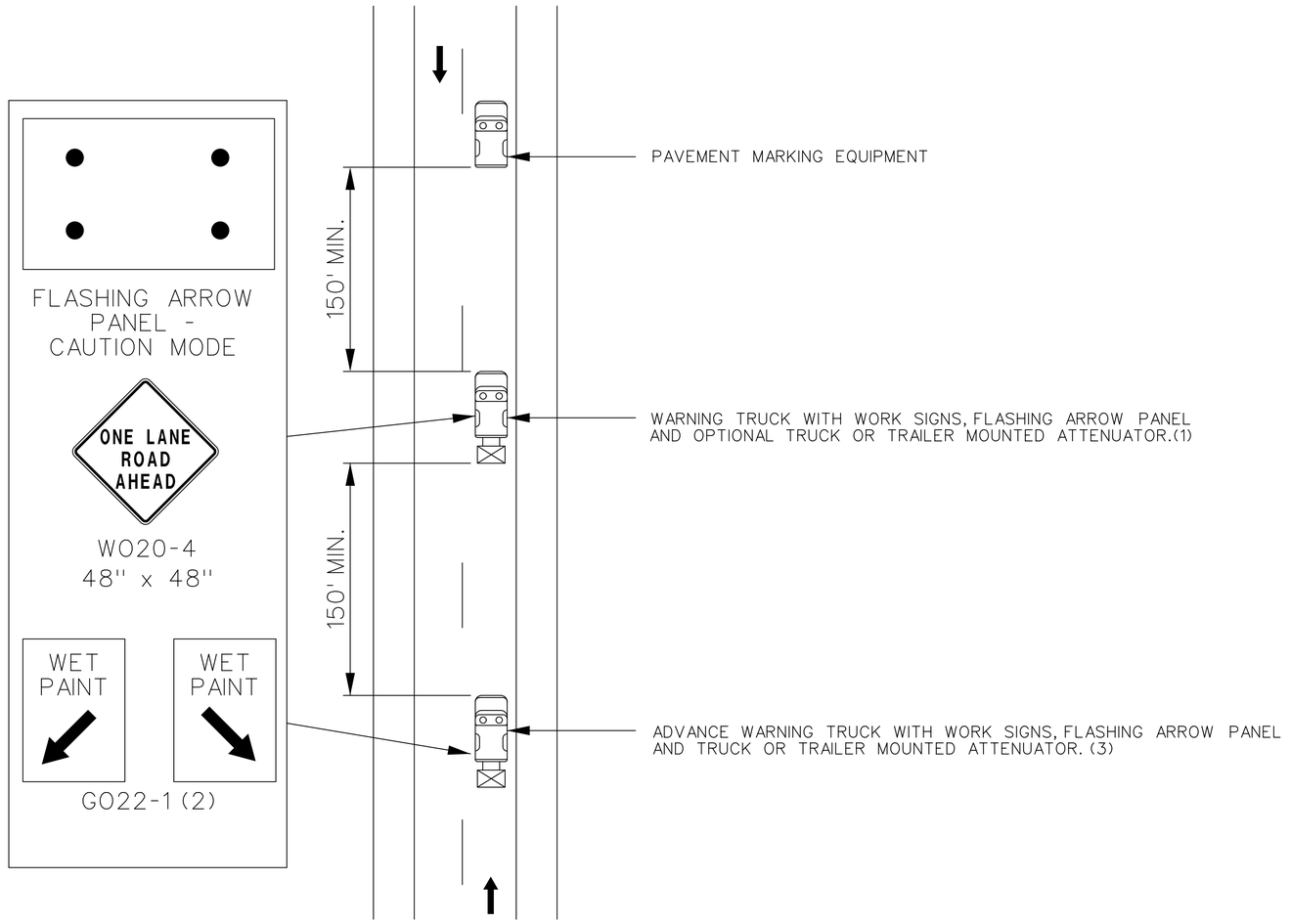
CENTER LINE / EDGE LINE STRIPING ON TWO-LANE HIGHWAYS



TWO-LANE UNDIVIDED HIGHWAY

NOTES:

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

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

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

(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) ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.

NOT TO SCALE

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 12:52:23 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/21/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 38
COUNTY: FRANKLIN
JOB NO.: JSL0032
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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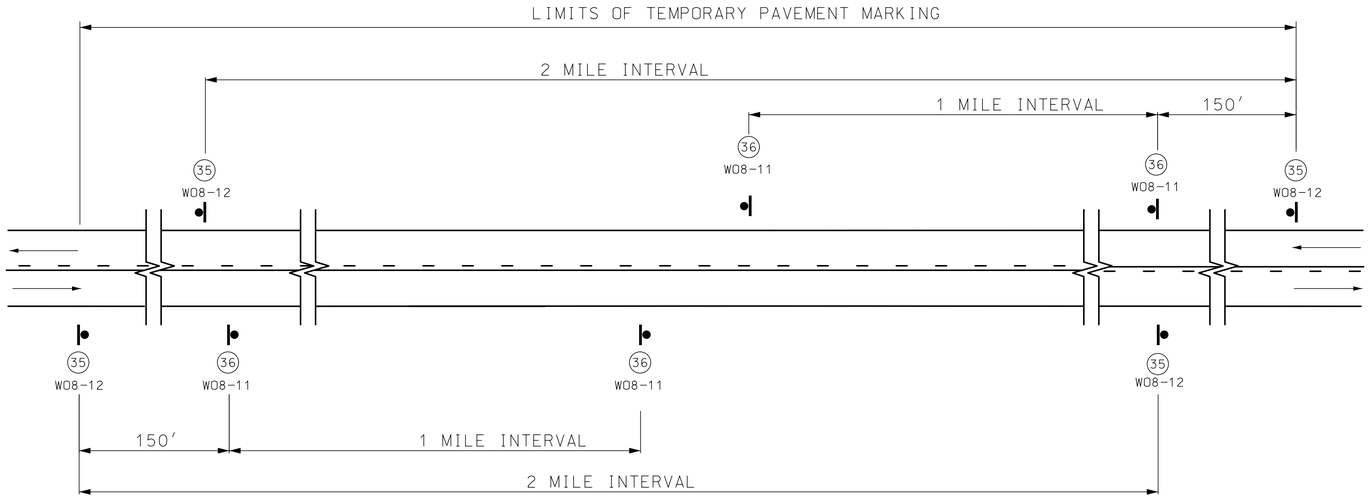
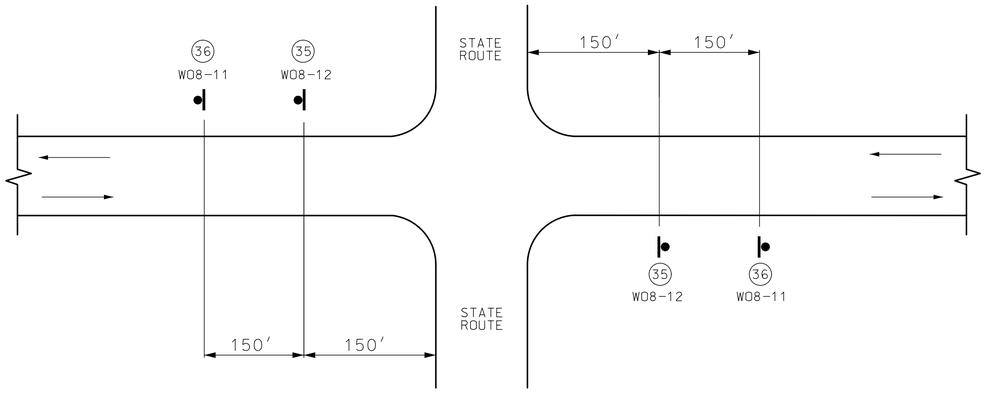
TRAFFIC CONTROL
MOBILE STRIPING



SIGN SPACING FOR MAINLINE



SIGN SPACING AT STATE ROUTE INTERSECTIONS

(1) ADDITIONAL SIDEROADS MAY BE SIGNED AS DIRECTED BY THE ENGINEER.

NOT TO SCALE



W08-12
35



W08-11
36

NOTES:

SIGN (35) AND TEMPORARY PAVEMENT MARKING 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.

SEE STANDARD PLAN 620.10 FOR ALL TEMPORARY PAVEMENT MARKING.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- TEMPORARY RAISED PAVEMENT MARKER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 12:53:17 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	39

COUNTY: FRANKLIN
JOB NO.: JSL0032
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
NO CENTER LINE/UNEVEN LANES

(1) ROAD CLOSED SIGN SHALL BE PLACED 7-10 FEET BEHIND THE BARRICADES AND AT A SIGN HEIGHT APPROPRIATE TO THE ROADWAY. ONE BARRICADE IS REQUIRED TO COMPLETELY CLOSE 8 FEET OF PAVEMENT. PAVED SHOULDERS SHALL BE INCLUDED IN THE AREA CLOSED.

(2) IF USED,THE ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY OR ROAD CLOSED TO THRU TRAFFIC SIGN SHOULD BE LOCATED AT THE FIRST STATE ROUTE OR, UPON THE DISCRETION OF THE ENGINEER, ANY OTHER INTERSECTION IN ADVANCE OF THE CLOSURE. ADDITIONAL BARRICADES MAY BE USED AND OFFSET TO FACILITATE ACCESS FOR WORK VEHICLES, LOCAL TRAFFIC, ECT.

TRAFFIC CONTROL SHOULD BE REMOVED AS SOON AS PRACTICAL AFTER CONDITION FOR CLOSURE NO LONGER EXISTS.

ADDITIONAL WARNING SIGNS SHOULD BE ERECTED AT EACH INTERSECTION WITHIN THE WORK ZONE.

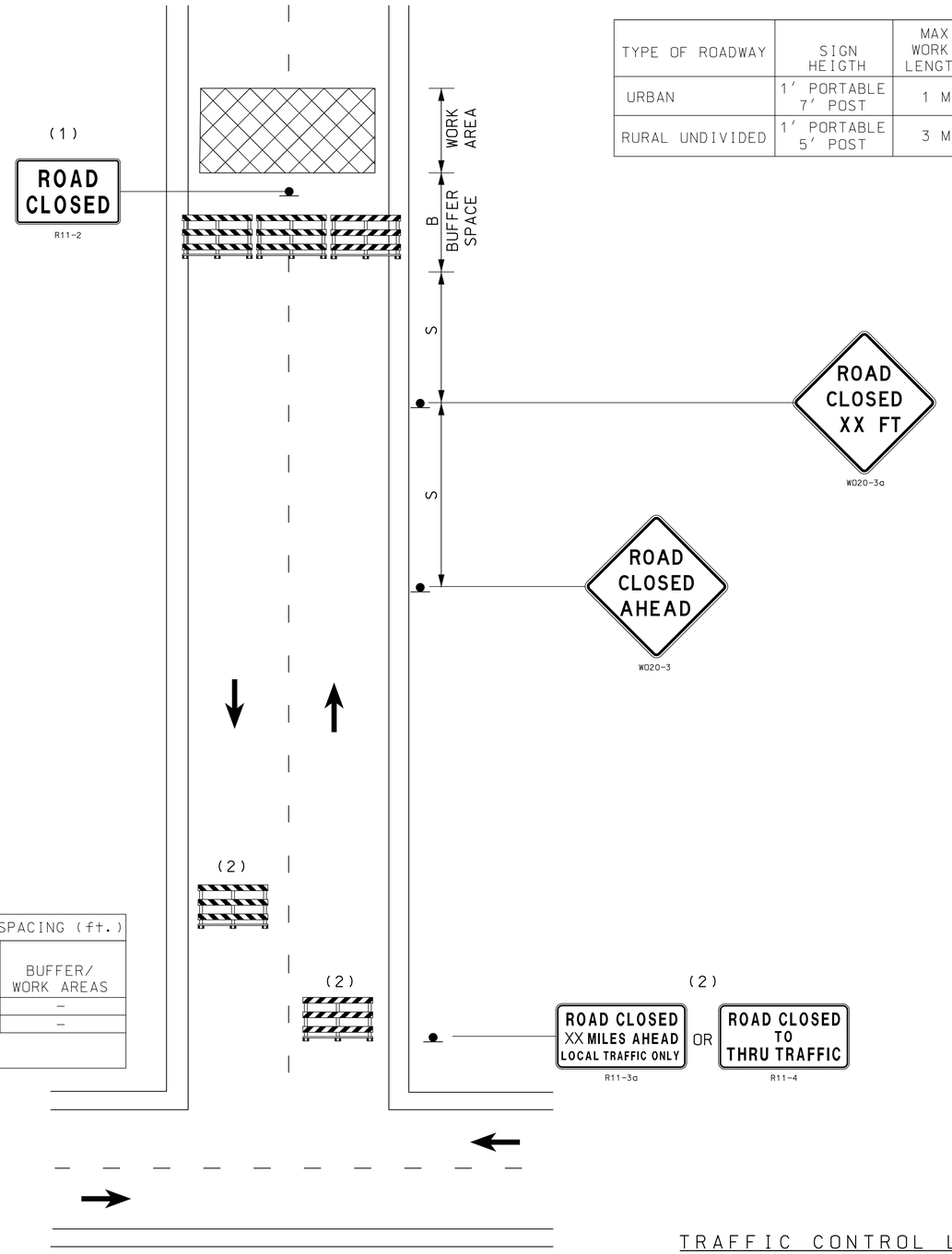
SUPPLEMENTAL WARNING METHODS MAY BE USED TO CALL ATTENTION TO THE WORK ZONE.

SEE STANDARD PLAN 616.10 FOR USE OF BARRICADES AND SIGNS.

FOR LONG-TERM CLOSURE, DETOUR SIGNING SHOULD BE CONSIDERED..

FOR DETOUR SIGNING, REVIEW EPG 616.8.9 ROAD CLOSED BEYOND JUNCTION DETOUR.

TYPE OF ROADWAY	SIGN HEIGTH	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1' PORTABLE 7' POST	1 MILE
RURAL UNDIVIDED	1' PORTABLE 5' POST	3 MILE



HIGHWAY CLOSURE

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
40-45	350	500	-	-	360	-	-
50-55	500	1000	-	-	495	-	-

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset.
2. Lane taper length based on 12 ft. (standard lane width) offset.

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NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- TYPE 3 BARRICADE
- WORK AREA

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 12:54:10 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/21/2025

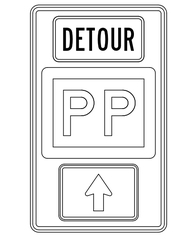
ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	40

COUNTY: FRANKLIN
JOB NO.: JSL0032
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

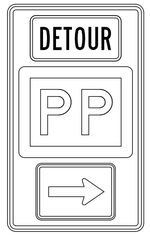
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL HIGHWAY CLOSURE



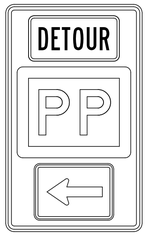
MO4-12

50A



MO4-12

50C



MO4-12

50E



MO4-8a

52



R11-4

53



WO20-2

18

MARCUS DR

N OUTER 44

S OUTER RD

W SPRINGFIELD RD

CRESCENT VILLAGE

S LAY AVE

SARA JANE LN

CRESCENT LAKE RD

CHARLES DR

WORK SPACE
STA 406+50 TO STA 408+00
(SEE SHEET 40 FOR CLOSURE DETAILS)

LAKESHORE DR

SEE SHEET 40 FOR CLOSURE DETAIL

ROCK HILL LN

WALLS FORD RD

WILDWOOD ESTS LN

FAMILY RD

TAG-A-LONG RD

N OUTER 44

S SERVICE RD

W SPRINGFIELD RD

ANACONDA RD

BETTY LU LN

OLD REED FARM RD

PICKLES FORD RD

TUNNEY REED RD

PP

50A 50C 50E 18 52 53 30 WW

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TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL DETOUR NOTES:

1. ALL SIGNS ARE PORTABLE UNLESS OTHERWISE NOTED.
2. ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED TCP SHALL BE COVERED. NO DIRECT PAY TO COVER EXISTING SIGNS.
3. ALL CMS MESSAGES TO BE APPROVED BY THE ENGINEER.
4. EXACT SIGN LOCATIONS TO BE APPROVED BY THE ENGINEER.

* SPECIAL SIGN (SEE SHEET 42)

NOT TO SCALE

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 12:55:29 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779
DATE PREPARED

10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	41

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

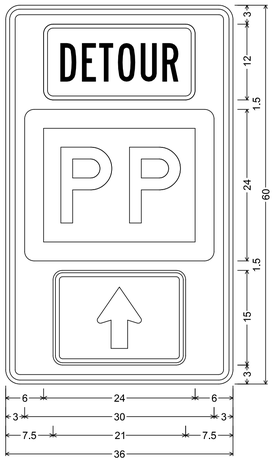
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ROUTE PP
DETOUR SHEET

SIGN NO.	50A
STATION	VARIES
ROADWAY	PP

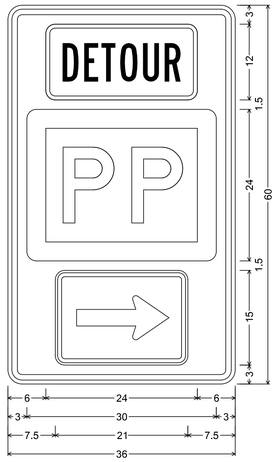


MO4-12 SHF-FLAT SHEET FLUORESCENT;
2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange;
Table of letter and object lefts

	6.000
	3.000
	7.500

50A

SIGN NO.	50C
STATION	VARIES
ROADWAY	PP

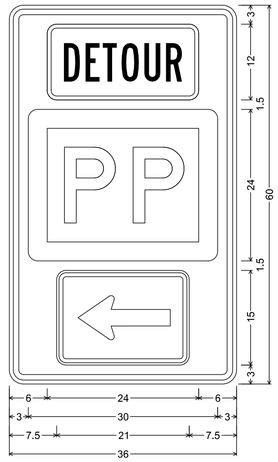


MO4-12 SHF-FLAT SHEET FLUORESCENT;
2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange;
Table of letter and object lefts

	6.000
	3.000
	7.500

50C

SIGN NO.	50E
STATION	VARIES
ROADWAY	PP



MO4-12 SHF-FLAT SHEET FLUORESCENT;
2.250" Radius, 0.875" Border, 0.625" Indent, Black on, Orange;
Table of letter and object lefts

	6.000
	3.000
	7.500

50E

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 12:56:18 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	42

COUNTY
FRANKLIN

JOB NO.
JSL0032

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
SIGN DETAIL SHEET

DRAINAGE LEGEND:

TYPE 1 TRM (TURF REINFORCEMENT MAT)

ROCK LINING FOR CULVERT OUTLET

4B-2 FES

4A-2 FES

13.5'x 22'x 2' ROCK LINING AT CULVERT OUTLET (22 C.Y.)

40°

180

EX. FENCE (DND)

EX. R/W

EX. FENCE (DND)

EX. R/W

EXISTING ATT DISTR. (DND)

12" CMP (UIP)

EX. V-DITCH (UIP)

30" PIPE

N00° 00' 00"W

30" GROUP B PIPES
(SEE CULVERT SECTIONS)

RTE. PP ℄

(R&R)

EX. R/W

EX. V-DITCH (UIP)

EX. R/W

EXISTING OVERHEAD AMEREN ELECTRIC (DND)

TRANSITION TO 5.5' FBD, 3.5% SLOPE, 3:1 FRSLP, 2.5:1 BKSLP

V-DITCH AT 3.5% SLOPE, 3:1 SIDES

4B-1 FES

4A-1 FES

SCALE

0 20 40 60

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PRIMARY RECIEVING WATERS: DRY BRANCH CREEK

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 1:04:02 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	43

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

DRAINAGE SHEET



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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 1:05:29 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	44

COUNTY
FRANKLIN

JOB NO.
JSL0032

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)

DRAINAGE SHEET

PI 407+19.91
PC 406+10.34
PT 408+29.23
Δ 6°34'0.0" (LT)
D 3°0'0.0"
L 218.89' (ARC)
T 109.56'
R 1,909.86'

DRAINAGE LEGEND:

ROCK LINING FOR CULVERT OUTLET

405

EXISTING OVERHEAD AMEREN ELECTRIC (DND)

30' PERMANENT DRAINAGE EASEMENT

EX. FENCE (DND)

EXISTING ATT DISTR. (DND)

EXISTING ATT DISTR. (DND)

12-1 HW

EX. R/W

OE

UT

PC STA 406+10.34 R23

PT STA 408+29.23 R23

POT STA 409+51.87 R24

12" CMP (U/P)

(R&R)

N04°13'25"E

N02°20'35"W

RTE. PP ℄

9' X 5' PRECAST BOX CULVERT (SEE CULVERT SECTIONS)

EQUATION: STA 409+50.30 BK = STA 409+51.57 AH

EX. R/W

18" CMP (U/P)

REMOVE EXISTING BOX CULVERT

25'x 35'x 2.5' ROCK LINING AT CULVERT OUTLET (81 C.Y.)

12-2 HW

50' PERMANENT DRAINAGE EASEMENT

SCALE

0 20 40 60

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 1:21:02 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779
DATE PREPARED

10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	45

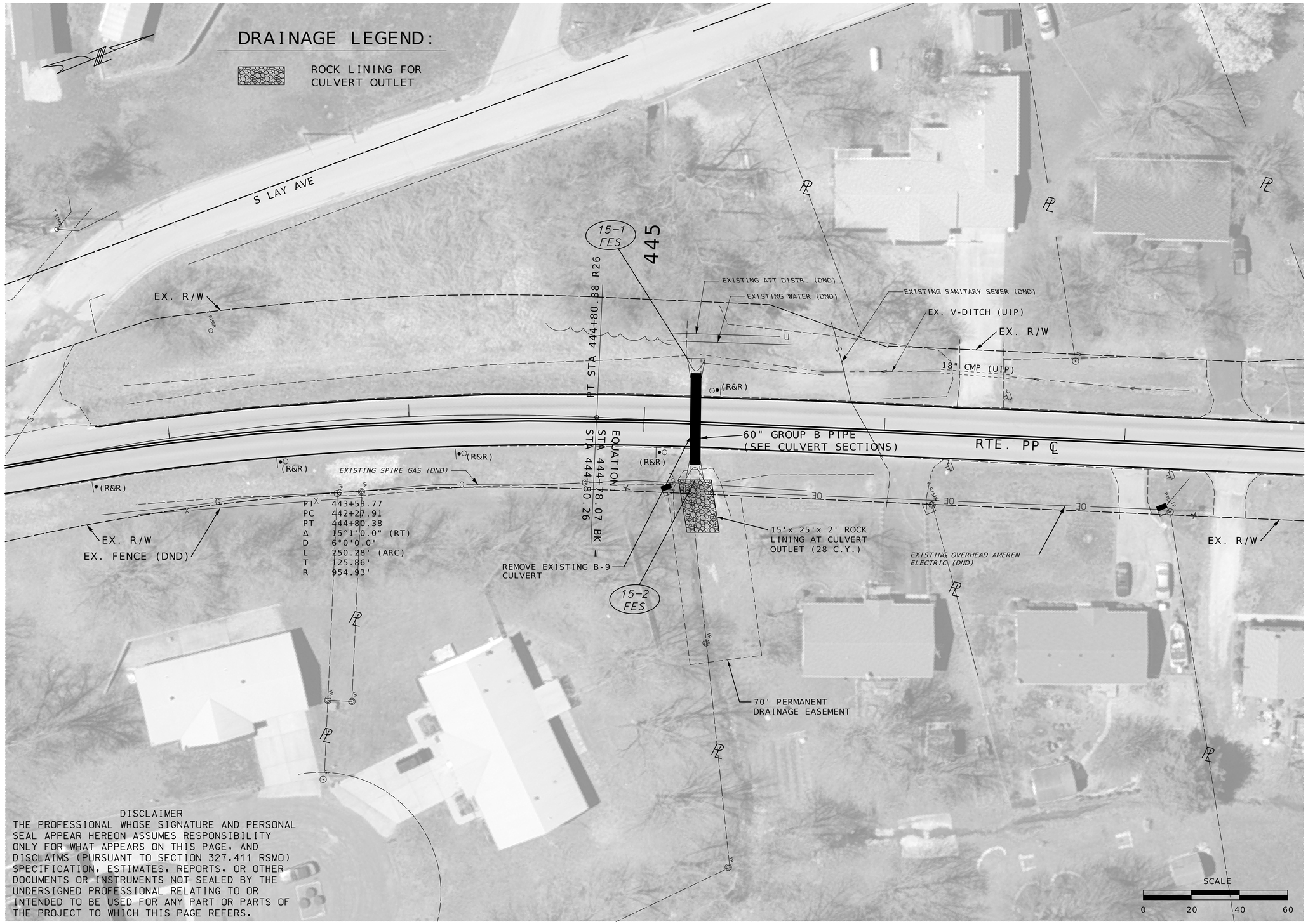
COUNTY: FRANKLIN
JOB NO.: JSL0032
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

DRAINAGE SHEET



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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 1:25:18 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/21/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	46

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

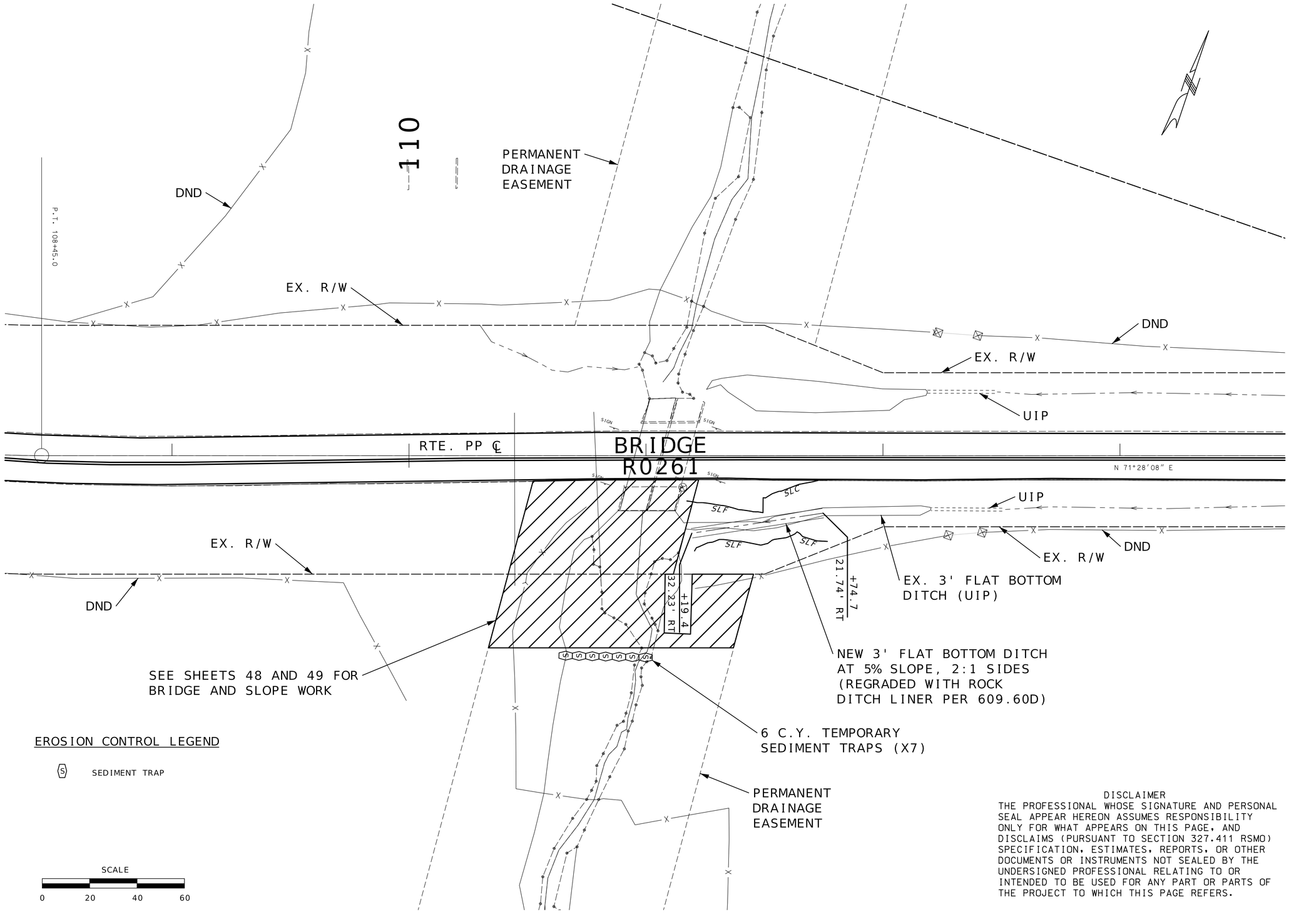
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

DRAINAGE SHEET



STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 1:23:16 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED	
10/22/2025	
ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	47
COUNTY	
FRANKLIN	
JOB NO.	
JSL0032	
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)

DRAINAGE SHEET
BRIDGE R0261

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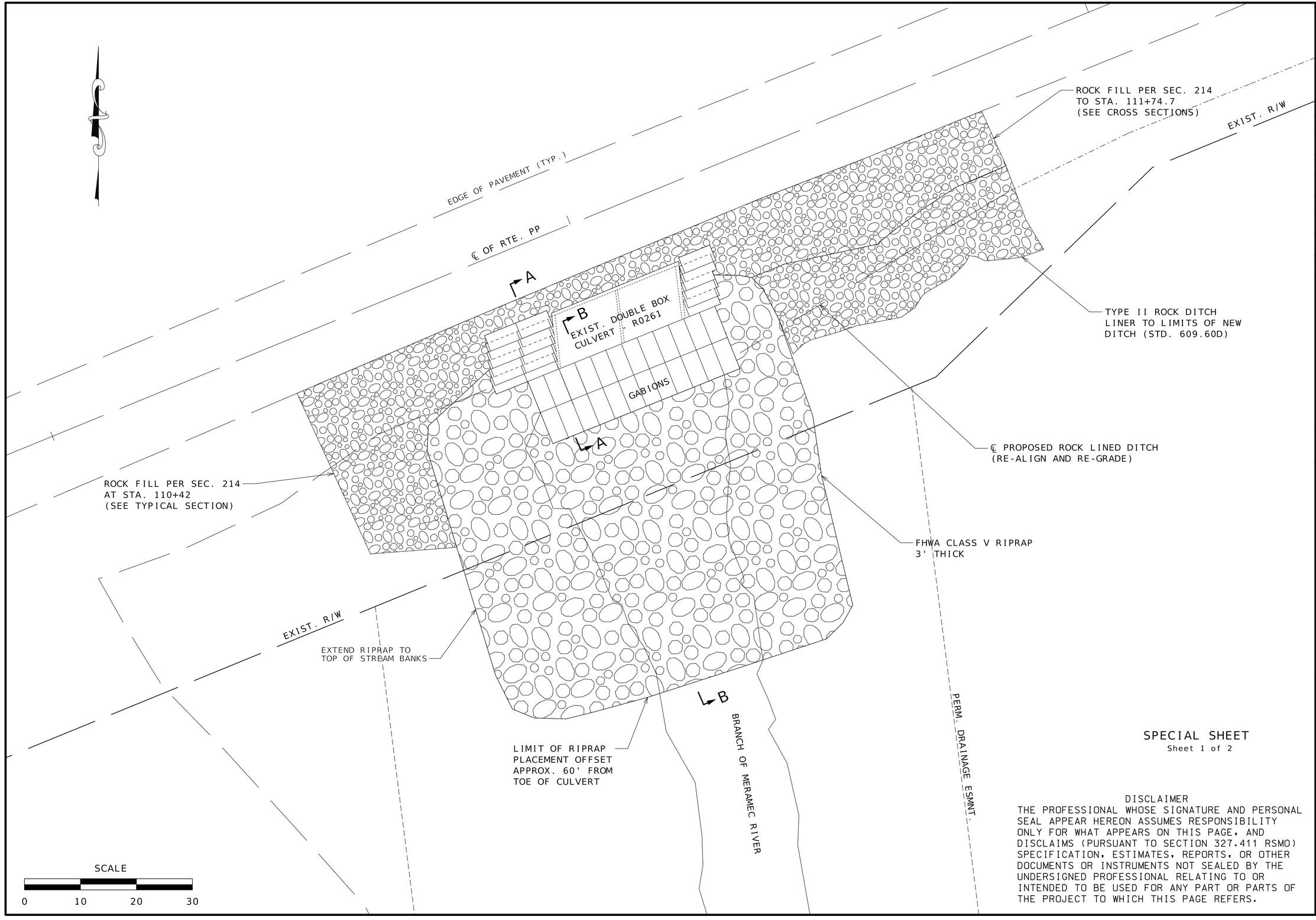


SPECIAL SHEET
Sheet 1 of 2

DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

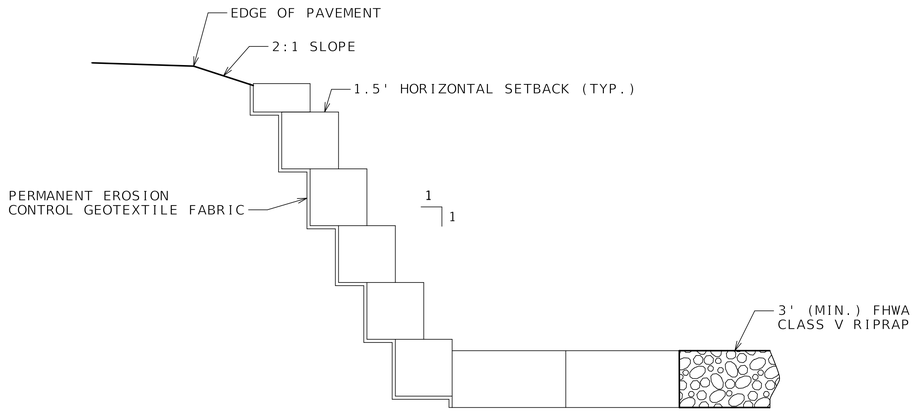
STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/23/2025 12:41:12 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED	10/22/2025
ROUTE	PP
STATE	MO
DISTRICT	SL
SHEET NO.	48
COUNTY	FRANKLIN
JOB NO.	JSL0032
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	R0261

DESCRIPTION | DATE

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

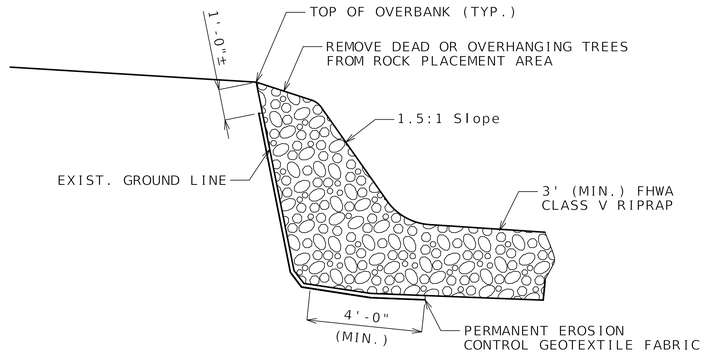
SPECIAL SHEET
BRIDGE R0261



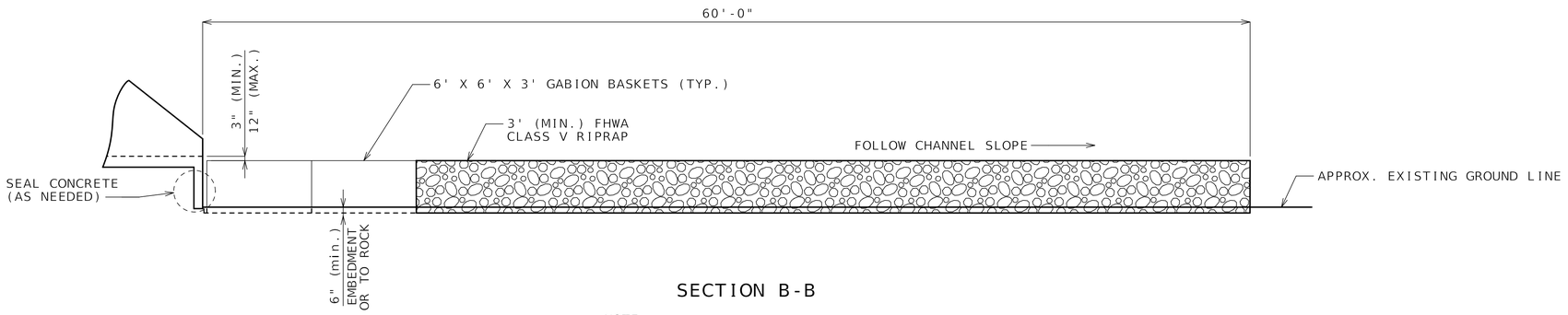
SECTION A-A

NOTES:

A COMBINATION OF 1.5' AND 3' DEEP GABIONS MAY BE NEEDED.



TYPICAL SECTION SHOWING RIPRAP AT STREAM BANK



SECTION B-B

NOTE:

USE SEAL CONCRETE TO FILL VOIDS BEHIND AND UNDER TOE WALL, AS NEEDED.

SPECIAL SHEET

Sheet 2 of 2

DISCLAIMER

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/23/2025 12:43:11 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/22/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	49

COUNTY: FRANKLIN

JOB NO.: JSL0032

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.: R0261

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
BRIDGE R0261

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)							CONCRETE FOOTINGS EMBEDED	STRUCTURAL STEEL POSTS *						PIPE POSTS *					BACKING BARS **				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE												BREAK-AWAY	REMARKS AND OTHER REQUIRED ITEMS
																							2 IN. POST						2.5 IN. POST								
																										ANCHORS						ANCHORS			
SIGN NO.	SIGN SIZE	STA	HORZ CLEAR IF NOT STD.	LOCATION (ROUTE)	LT OR RT	SIGN DTL. SHT. NO.	ITEM NO. 9031010	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO 9031210	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO 9031220	NO. EACH	2" X 3/8" BARS @ 2.55 LBS PER FT LGTH	TOTAL	NO.	ITEM NO. 9031250A	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	ASSEMBLY ITEM NO. 9031241	
							CY		LF	LF	LF		LBS	IN.	LF	LF		LBS		IN.	LF	LBS	LF				EA	EA	EA				EA	EA	EA	EA	
1	18"X12"	100+18		ROUTE PP	LT																		8		8	1										
2	ASSEM.	100+26		ROUTE PP	RT																									13.25		13.25		1			
3	36"X36"	101+91	22'	ROUTE PP	RT																																USE EXISTING POST
4	30"X24"	102+33		ROUTE PP	RT																		9		9	1										
5	18"X24"	103+44		ROUTE PP	RT																		9		9	1										
6	18"X24"	104+22		ROUTE PP	RT																		9		9	1										
7	18"X24"	105+00		ROUTE PP	RT																		9		9	1										
8	18"X24"	105+78		ROUTE PP	RT																		9		9	1										
9	18"X24"	106+55		ROUTE PP	RT																		9		9	1										
10	18"X24"	107+33		ROUTE PP	RT																		9		9	1										
11	18"X24"	108+10		ROUTE PP	RT																		9		9	1										
12	18"X24"	108+88		ROUTE PP	RT																		9		9	1										
13	18"X24"	109+67		ROUTE PP	RT																		9		9	1										
14	ASSEM.	109+58		ROUTE PP	LT																									13.25		13.25		1			
15	12"X36"	110+19		ROUTE PP	LT																		10		10	1										
16	12"X36"	110+35		ROUTE PP	LT																		10		10	1										
17	12"X36"	110+87		ROUTE PP	LT																		10		10	1										
18	12"X36"	110+19		ROUTE PP	RT																		10		10	1										
19	12"X36"	110+35		ROUTE PP	RT																		10		10	1										
20	12"X36"	110+87		ROUTE PP	RT																		10		10	1										
21	12"X36"	111+31		ROUTE PP	LT																		10		10	1										
22	12"X36"	111+65		ROUTE PP	LT																		10		10	1										
23	12"X36"	112+02		ROUTE PP	LT																		10		10	1										
24	12"X36"	111+31		ROUTE PP	RT																		10		10	1										
25	12"X36"	111+65		ROUTE PP	RT																		10		10	1										
26	12"X36"	112+02		ROUTE PP	RT																		10		10	1										
27	ASSEM.	112+87		ROUTE PP	RT																									13.25		13.25		1			
28	18"X24"	115+00		ROUTE PP	LT																		9		9	1										
29	18"X24"	115+79		ROUTE PP	LT																		9		9	1										
30	18"X24"	116+68		ROUTE PP	LT																		9		9	1										
31	18"X24"	117+37		ROUTE PP	LT																		9		9	1										
32	18"X24"	118+15		ROUTE PP	LT																		9		9	1										
33	36"X48"	120+30		ROUTE PP	RT																									11		11		1			
34	ASSEM.	120+32		ROUTE PP	LT																									13.25		13.25		1			
35	ASSEM.	122+57		ROUTE PP	RT																									13.25		13.25		1			
36	18"X24"	125+84		ROUTE PP	RT																		9		9	1										
37	18"X24"	126+42		ROUTE PP	RT																		9		9	1										
38	48"X24"	127+69		ROUTE PP	RT																		10	10.75	20.75	2										
39	18"X24"	128+47		ROUTE PP	RT																		9		9	1										
40	18"X24"	129+25		ROUTE PP	RT																		9		9	1										
41	18"X24"	130+03		ROUTE PP	RT																		9		9	1										
42	18"X24"	130+82		ROUTE PP	RT																		9		9	1										
43	18"X24"	131+61		ROUTE PP	RT																		9		9	1										
44	18"X24"	132+33		ROUTE PP	RT																		9		9	1										
45	48"X24"	132+36		ROUTE PP	RT																		10	10.75	20.75	2										
46	18"X24"	133+54		ROUTE PP	RT																		9		9	1										
47	ASSEM.	136+60		ROUTE PP	RT																									13.25		13.25		1			
48	ASSEM.	137+33		ROUTE PP	LT																									13.25		13.25		1			
49	18"X24"	138+44		ROUTE PP	LT																		9		9	1										
50	18"X24"	138+97		ROUTE PP	LT																		9		9	1										
51	18"X24"	139+56		ROUTE PP	LT																		9		9	1										
52	48"X24"	140+20		ROUTE PP	LT																		10	10.75	20.75	2										
53	18"X24"	140+34		ROUTE PP	LT																		9		9	1										
54	18"X24"	141+09		ROUTE PP	LT																		9		9	1										
55	18"X24"	141+89		ROUTE PP	LT																		9		9	1										
56	18"X24"	142+67		ROUTE PP	LT																		9		9	1										
57	18"X24"	143+43		ROUTE PP	LT																		9		9	1										
58	48"X24"	143+73		ROUTE PP	LT																		10	10.75	20.75	2										
59	18"X24"	144+21		ROUTE PP	LT																		9		9	1										
60	18"X24"	144+50		ROUTE PP	LT																		9		9	1										
SUBTOTAL 1							-						-					-				-			517.00	55	-	-			103.75	-	8	-	-	

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

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ROUND PIPE POST AND FOOTING DATA TABLE

NOM.SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2½	5.79	0.48	4'- 3½"	12"	4-6"	0.13
3	7.58	0.63	4'- 3½"	12"	4-6"	0.13
4	10.79	0.90	5'- 3½"	18"	5-6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	LEVEL GROUND DEPTH	LEVEL GROUND C.Y.	6:1 GRADE DEPTH	6:1 GRADE C.Y.	4:1 GRADE DEPTH	4:1 GRADE C.Y.	3:1 OR 2:1 GRADE DEPTH	3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 1:40:24 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/22/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 50
COUNTY: FRANKLIN
JOB NO.: JSL0032
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 1 OF 10

D-29-SP

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)							CONCRETE FOOTINGS EMBEDED	STRUCTURAL STEEL POSTS *						PIPE POSTS *						BACKING BARS **				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE													REMARKS AND OTHER REQUIRED ITEMS
																				2" X 3/8" BARS @ 2.55 LBS PER FT					2 IN. POST						2.5 IN. POST								
																									ANCHORS					ANCHORS			BREAK-AWAY				
SIGN NO.	SIGN SIZE	STA	HORZ CLEAR IF NOT STD.	LOCATION (ROUTE)	LT OR RT	SIGN DTL. SHT. NO.	ITEM NO. 9031010	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO 9031210	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO 9031220	NO. EACH	LGTH	TOTAL	NO.	ITEM NO. 9031250A	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	ASSEMBLY ITEM NO. 9031241	
							CY		LF	LF	LF		LBS	IN.	LF	LF		LBS	EACH	IN.	LF	LBS	LF	LF	LF		EA	EA	EA	LF	LF	LF	EA	EA	EA	EA	
61	18"X24"	145+49		ROUTE PP	LT																			9		9	1										
62	18"X24"	146+38		ROUTE PP	RT																			9		9	1										
63	18"X24"	147+17		ROUTE PP	RT																			9		9	1										
64	48"X24"	147+95		ROUTE PP	RT																			10	10.75	20.75	2										
65	18"X24"	148+85		ROUTE PP	RT																			9		9	1										
66	48"X24"	149+65		ROUTE PP	RT																			10	10.75	20.75	2										
67	18"X24"	150+39		ROUTE PP	RT																			9		9	1										
68	18"X24"	151+10		ROUTE PP	RT																			9		9	1										
69	18"X24"	151+91		ROUTE PP	RT																			9		9	1										
70	ASSEM.	153+60		ROUTE PP	LT																									13.25		13.25		1			
71	ASSEM.	181+30		ROUTE PP	RT																									13.25		13.25		1			
72	ASSEM.	187+59		ROUTE PP	RT																									13.25		13.25		1			
73	ASSEM.	188+90		ROUTE PP	LT																									13.25		13.25		1			
74	18"X24"	190+65		ROUTE PP	LT																			9		9	1										
75	18"X24"	191+49		ROUTE PP	LT																			9		9	1										
76	18"X24"	192+16		ROUTE PP	LT																			9		9	1										
77	18"X24"	192+94		ROUTE PP	LT																			9		9	1										
78	18"X24"	193+74		ROUTE PP	LT																			9		9	1										
79	18"X24"	194+76		ROUTE PP	RT																			9		9	1										
80	18"X24"	195+54		ROUTE PP	RT																			9		9	1										
81	18"X24"	196+32		ROUTE PP	RT																			9		9	1										
82	18"X24"	197+10		ROUTE PP	RT																			9		9	1										
83	18"X24"	197+89		ROUTE PP	RT																			9		9	1										
84	ASSEM.	201+48		ROUTE PP	LT																									13.25		13.25		1			
85	ASSEM.	205+82		ROUTE PP	RT																									13.25		13.25		1			
86	18"X24"	209+50		ROUTE PP	LT																			9		9	1										
87	18"X24"	210+29		ROUTE PP	LT																			9		9	1										
88	18"X24"	211+07		ROUTE PP	LT																			9		9	1										
89	36"X36"	211+28	16'	ROUTE PP	LT																			10		10	1										
90	18"X24"	212+24		ROUTE PP	LT																			9		9	1										
91	18"X24"	213+11		ROUTE PP	LT																			9		9	1										
92	18"X24"	213+84		ROUTE PP	LT																			9		9	1										
93	18"X24"	214+72		ROUTE PP	LT																			9		9	1										
94	18"X24"	215+51		ROUTE PP	LT																			9		9	1										
95	18"X24"	216+72		ROUTE PP	LT																			9		9	1										
96	ASSEM.	221+32		ROUTE PP	LT																									13.25		13.25		1			
97	ASSEM.	224+75		ROUTE PP	RT																									13.25		13.25		1			
98	18"X24"	228+52		ROUTE PP	LT																			9		9	1										
99	18"X24"	229+30		ROUTE PP	LT																			9		9	1										
100	18"X24"	230+08		ROUTE PP	LT																			9		9	1										
101	18"X24"	230+86		ROUTE PP	LT																			9		9	1										
102	18"X24"	231+64		ROUTE PP	LT																			9		9	1										
103	18"X24"	232+27		ROUTE PP	LT																			9		9	1										
104	18"X24"	233+21		ROUTE PP	LT																			9		9	1										
105	18"X24"	234+01		ROUTE PP	LT																			9		9	1										
106	18"X24"	234+80		ROUTE PP	LT																			9		9	1										
107	ASSEM.	237+47		ROUTE PP	LT																									13.25		13.25		1			
108	ASSEM.	239+31		ROUTE PP	RT																									13.25		13.25		1			
109	18"X24"	241+84		ROUTE PP	RT																			9		9	1										
110	18"X24"	242+64		ROUTE PP	RT																			9		9	1										
111	18"X24"	243+43		ROUTE PP	RT																			9		9	1										
112	18"X24"	244+21		ROUTE PP	RT																			9		9	1										
113	18"X24"	244+99		ROUTE PP	RT																			9		9	1										
114	18"X24"	246+16		ROUTE PP	RT																			9		9	1										
115	18"X24"	246+96		ROUTE PP	RT																			9		9	1										
116	ASSEM.	248+59		ROUTE PP	LT																									13.25		13.25		1			
117	ASSEM.	253+09		ROUTE PP	RT																									13.25		13.25		1			
118	30"X24"	268+77		ROUTE PP	RT																			9		9	1										
119	ASSEM.	269+44		ROUTE PP	LT																									13.25		13.25		1			
120	36"X48"	271+93		ROUTE PP	RT																									11		11		1			
		SUBTOTAL 2					-					-					-					-	-			438.5	48	-	-			183.25	-	14	-	-	

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

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ROUND PIPE POST AND FOOTING DATA TABLE

NOM.SIZE (IN.)	WEIGHT LBS/FT	WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	FOOTING DEPTH	CONCRETE C.Y.
2½	5.79	0.48	4'- 3½"	12"	4~6"	0.13
3	7.58	0.63	4'- 3½"	12"	4~6"	0.13
4	10.79	0.90	5'- 3½"	18"	5~6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	LEVEL GROUND DEPTH	LEVEL GROUND C.Y.	6:1 GRADE DEPTH	6:1 GRADE C.Y.	4:1 GRADE DEPTH	4:1 GRADE C.Y.	3:1 OR 2:1 GRADE DEPTH	3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
Shirley J. Norris
10/22/2025 1:41:40 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/22/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 51
COUNTY: FRANKLIN
JOB NO.: JSL0032
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 2 OF 10

D-29-SP

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)							CONCRETE FOOTINGS EMBEDED	STRUCTURAL STEEL POSTS *						PIPE POSTS *					BACKING BARS **				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE												REMARKS AND OTHER REQUIRED ITEMS
																			2" X 3/8" BARS @ 2.55 LBS PER FT					2 IN. POST						2.5 IN. POST							
																									ANCHORS					ANCHORS			BREAK-AWAY		
SIGN NO.	SIGN SIZE	STA	HORZ CLEAR IF NOT STD.	LOCATION (ROUTE)	LT OR RT	SIGN DTL. SHT. NO.	ITEM NO. 9031010	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO 9031210	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO 9031220	NO. EACH	LGTH IN.	TOTAL	NO. LBS	ITEM NO. 9031250A	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	ASSEM. ITEM NO. 9031241	
							CY		LF	LF	LF		LBS	IN.	LF	LF		LBS		IN.	LF	LBS	LF	LF	LF	EA	EA	EA	EA	LF	LF	LF	EA	EA	EA	EA	
121	36"X48"	286+88		ROUTE PP	LT																								11		11		1			
122	30"X24"	288+57		ROUTE PP	LT																		9		9	1										
123	ASSEM.	289+52		ROUTE PP	RT																								13.25		13.25		1			
124	18"X24"	292+17		ROUTE PP	RT																		9		9	1										
125	18"X24"	293+06		ROUTE PP	RT																		9		9	1										
126	18"X24"	293+89		ROUTE PP	RT																		9		9	1										
127	18"X24"	295+03		ROUTE PP	RT																		9		9	1										
128	18"X24"	295+81		ROUTE PP	RT																		9		9	1										
129	18"X24"	296+60		ROUTE PP	RT																		9		9	1										
130	ASSEM.	299+56		ROUTE PP	LT																								13.25		13.25		1			
131	ASSEM.	306+70		ROUTE PP	RT																								13.25		13.25		1			
132	18"X24"	311+45		ROUTE PP	LT																		9		9	1										
133	18"X24"	312+23		ROUTE PP	LT																		9		9	1										
134	18"X24"	313+02		ROUTE PP	LT																		9		9	1										
135	18"X24"	313+81		ROUTE PP	LT																		9		9	1										
136	18"X24"	314+60		ROUTE PP	LT																		9		9	1										
137	18"X24"	315+39		ROUTE PP	LT																		9		9	1										
138	18"X24"	316+18		ROUTE PP	LT																		9		9	1										
139	18"X24"	316+97		ROUTE PP	LT																		9		9	1										
140	ASSEM.	319+30		ROUTE PP	LT																								13.25		13.25		1			
141	ASSEM.	320+31		ROUTE PP	RT																								13.25		13.25		1			
142	ASSEM.	329+27		ROUTE PP	RT																								13.25		13.25		1			
143	ASSEM.	329+78		ROUTE PP	LT																								13.25		13.25		1			
144	36"X36"	330+92		ROUTE PP	RT																		11.25		11.25	1										
145	18"X24"	332+26		ROUTE PP	RT																		9		9	1										
146	18"X24"	332+96		ROUTE PP	RT																		9		9	1										
147	18"X24"	333+63		ROUTE PP	RT																		9		9	1										
148	48"X24"	334+34		ROUTE PP	RT																		10	10.75	20.75	2										
149	18"X24"	335+00		ROUTE PP	RT																		9		9	1										
150	18"X24"	335+93		ROUTE PP	RT																		9		9	1										
151	18"X24"	336+51		ROUTE PP	RT																		9		9	1										
152	48"X24"	337+00		ROUTE PP	RT																		10	10.75	20.75	2										
153	18"X24"	337+69		ROUTE PP	RT																		9		9	1										
154	18"X24"	338+68		ROUTE PP	RT																		9		9	1										
155	36"X36"	340+65		ROUTE PP	LT																		11.25		11.25	1										
156	ASSEM.	343+41		ROUTE PP	LT																								13.25		13.25		1			
157	ASSEM.	352+93		ROUTE PP	RT																								13.25		13.25		1			
158	ASSEM.	367+58		ROUTE PP	LT																								13.25		13.25		1			
159	36"X36"	396+77		ROUTE PP	RT																		11.25		11.25	1										
160	36"X48"	400+74		ROUTE PP	RT																								11		11		1			
161	36"X48"	400+77		ROUTE PP	LT																								11		11		1			
162	12"X36"	406+35		ROUTE PP	LT																		10		10	1										
163	12"X36"	406+70		ROUTE PP	LT																		10		10	1										
164	12"X36"	407+03		ROUTE PP	LT																		10		10	1										
165	12"X36"	406+35		ROUTE PP	RT																		10		10	1										
166	12"X36"	406+70		ROUTE PP	RT																		10		10	1										
167	12"X36"	407+03		ROUTE PP	RT																		10		10	1										
168	12"X36"	407+48		ROUTE PP	LT																		10		10	1										
169	12"X36"	407+83		ROUTE PP	LT																		10		10	1										
170	12"X36"	408+18		ROUTE PP	LT																		10		10	1										
171	12"X36"	407+48		ROUTE PP	RT																		10		10	1										
172	12"X36"	407+83		ROUTE PP	RT																		10		10	1										
173	12"X36"	408+18		ROUTE PP	RT																		10		10	1										
174	36"X36"	426+05	21'	ROUTE PP	LT																		10		10	1										
175	30"X24"	427+75		ROUTE PP	RT																		9		9	1										
176	12"X36"	431+75		ROUTE PP	RT																		10		10	1										
177	12"X36"	431+75		ROUTE PP	LT																		10		10	1										
178	12"X36"	433+01		ROUTE PP	LT																		10		10	1										
179	12"X36"	433+01		ROUTE PP	RT																		10		10	1										
180	36"X36"	439+79	18'	ROUTE PP	RT																		10		10	1										
				SUBTOTAL 3			-						-					-				-	-			471.3	49	-	-			165.5	-	13	-	-	

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

DISCLAIMER
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ROUND PIPE POST AND FOOTING DATA TABLE

NOM.SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2½	5.79	0.48	4'- 3½"	12"	4-6"	0.13
3	7.58	0.63	4'- 3½"	12"	4-6"	0.13
4	10.79	0.90	5'- 3½"	18"	5-6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	FOOTING LEVEL GROUND DEPTH	FOOTING LEVEL GROUND C.Y.	FOOTING 6:1 GRADE DEPTH	FOOTING 6:1 GRADE C.Y.	FOOTING 4:1 GRADE DEPTH	FOOTING 4:1 GRADE C.Y.	FOOTING 3:1 OR 2:1 GRADE DEPTH	FOOTING 3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
Shirley J. Norris
10/22/2025 1:43:51 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/22/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	52

COUNTY
FRANKLIN

JOB NO.
JSL0032

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 3 OF 10

D-29-SP

SIGNS

902 SIGNAL SIGNS TABULATED ON D-37A SHEET

SIGN NO.	SIGN SIZE	STA	HORZ CLEAR IF NOT STD.	LOCATION (ROUTE)	LT OR RT	SIGN DTL. SHT. NO.

CONCRETE FOOTINGS EMBEDED

ITEM NO. 9031010
CY

STRUCTURAL STEEL POSTS *

POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO 9031210
	LF	LF	LF		LBS

PIPE POSTS *

PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO 9031220
IN.	LF	LF		LBS

BACKING BARS **

2" X 3/8" BARS @ 2.55 LBS PER FT

NO. EACH	LGTH IN.	TOTAL LF	NO. LBS

U-CHANNEL POST

ITEM NO. 9031250A
LF

PERFORATED SQUARE STEEL TUBE

2 IN. POST

POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	ANCHORS DRIVEN 12-GA. ITEM NO. 9031271A	ANCHORS DRIVEN 7-GA. ITEM NO. 9031273A	ANCHORS CONCRETE 7-GA. ITEM NO. 9031274
LF	LF	LF	EA	EA	EA

2.5 IN. POST

POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	ANCHORS DRIVEN 7-GA. ITEM NO. 9031281A	ANCHORS CONCRETE 7-GA. ITEM NO. 9031285
LF	LF	LF	EA	EA	EA

BREAK-AWAY ASSEM.

ITEM NO. 9031241
EA

REMARKS AND OTHER REQUIRED ITEMS

SIGN NO.	SIGN SIZE	STA	HORZ CLEAR IF NOT STD.	LOCATION (ROUTE)	LT OR RT	SIGN DTL. SHT. NO.	CONCRETE FOOTINGS EMBEDED ITEM NO. 9031010 CY	STRUCTURAL STEEL POSTS * POST DES NO.	POST NO.1 LF	POST NO.2 LF	POST NO.3 LF	LBS PER FT	TOTAL ITEM NO 9031210 LBS	PIPE POSTS * PIPE SIZE IN.	POST NO.1 LF	POST NO.2 LF	LBS PER FT	TOTAL ITEM NO 9031220 LBS	BACKING BARS ** 2" X 3/8" BARS @ 2.55 LBS PER FT NO. EACH	LGTH IN.	TOTAL LF	NO. LBS	U-CHANNEL POST ITEM NO. 9031250A LF	PERFORATED SQUARE STEEL TUBE 2 IN. POST POST NO.1 LF	POST NO.2 LF	TOTAL ITEM NO. 9031270A LF	ANCHORS DRIVEN 12-GA. ITEM NO. 9031271A EA	ANCHORS DRIVEN 7-GA. ITEM NO. 9031273A EA	ANCHORS CONCRETE 7-GA. ITEM NO. 9031274 EA	2.5 IN. POST POST NO.1 LF	POST NO.2 LF	TOTAL ITEM NO. 9031280 LF	2.25" INSERT (6 FT) ITEM NO. 9031272A EA	ANCHORS DRIVEN 7-GA. ITEM NO. 9031281A EA	ANCHORS CONCRETE 7-GA. ITEM NO. 9031285 EA	BREAK-AWAY ASSEM. ITEM NO. 9031241 EA	REMARKS AND OTHER REQUIRED ITEMS
181	ASSEM.	441+21		ROUTE PP	RT	59													1	36	3	7.6							13.5		13.5		1			SEE D-31
182	36"X48"	441+21	13'	ROUTE PP	RT																							11		11		1			
183	36"X48"	441+18	8'	ROUTE PP	LT																							11		11		1			
184	12"X36"	442+69		ROUTE PP	RT																			10		10	1								
185	12"X36"	443+47		ROUTE PP	RT																			10		10	1								
186	12"X36"	444+23		ROUTE PP	RT																			10		10	1								
187	12"X36"	445+09		ROUTE PP	RT																			10		10	1								
188	12"X36"	445+28		ROUTE PP	LT																			10		10	1								
189	ASSEM.	450+34		ROUTE PP	RT														2	50	8.33	21.2						12.5		12.5		1			
190	36"X48"	450+28		ROUTE PP	LT																							11		11		1			
191	30"X24"	453+76		ROUTE PP	LT																			9		9	1								
192	30"X30"	455+30	20'	ROUTE PP	RT																			6.5		6.5			1						IN ISLAND, 4' MOUNTING HEIGHT
193	ASSEM.	455+22		ROUTE PP	RT																							11.5		11.5		1			
194	ASSEM.	455+43	23'	ROUTE PP	RT																							12		12			1		IN ISLAND
195	48"X48"	455+48		ROUTE PP	LT																			10.5		10.5	1								
196	ASSEM.	20+87		ROUTE 30	RT														2	50	8.33	21.2						17		17		1			
197	48"X24"	21+53		ROUTE 30	LT																			10	10	20	2								
198	ASSEM.	21+60		ROUTE 30	LT														4	50	16.67	42.5		10.5	10.5	21	2								
199	ASSEM.	22+27		ROUTE 30	LT														4	82	27.33	69.7		10.5	10.5	21	2								
	SUBTOTAL 4						-						-					162				162	-			139.0	13	-	1			99.5	-	7	1	-	
	SUBTOTAL 1						-						-					-				-	-			517.00	55	-	-			103.75	-	8	-	-	
	SUBTOTAL 2						-						-					-				-	-			438.5	48	-	-			183.25	-	14	-	-	
	SUBTOTAL 3						-						-					-				-	-			471.3	49	-	-			165.5	-	13	-	-	
	PAY TOTAL						-						-					160				162	-			1566	165	-	1			552	-	42	1	-	

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
** BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

ROUND PIPE POST AND FOOTING DATA TABLE

NOM.SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2½	5.79	0.48	4'- 3½"	12"	4~6"	0.13
3	7.58	0.63	4'- 3½"	12"	4~6"	0.13
4	10.79	0.90	5'- 3½"	18"	5~6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

POST DES. NO.	NOM. SIZE	POST WEIGHT LBS/FT	POST WEIGHT LBS/IN	POST STUB LENGTH	FOOTING DIA.	FOOTING LEVEL GROUND DEPTH	FOOTING LEVEL GROUND C.Y.	FOOTING 6:1 GRADE DEPTH	FOOTING 6:1 GRADE C.Y.	FOOTING 4:1 GRADE DEPTH	FOOTING 4:1 GRADE C.Y.	FOOTING 3:1 OR 2:1 GRADE DEPTH	FOOTING 3:1 OR 2:1 GRADE C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 1:45:35 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/22/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 53
COUNTY: FRANKLIN
JOB NO.: JSL0032
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 4 OF 10

D-29-SP

STANDARD SIGN ASSEMBLIES (1 OF 4)

SIGN NUMBER	STA	LOCATION	TYPE	SIGN DESCRIPTION, SIZES & NUMBER OF EACH
			SH M1-5a	30"x24"
			SH M1-5	24"x24"
			SH M1-5	24"x24"
			SH M2-1	21"x15"
			SH M6-1	21"x15"
			SH M6-3	21"x15"
			SH M6-4	21"x15"
			SH M19-2	18"x12"
			SHF OM-3L	12"X36"
			SHF OM-3R	12"X36"
			SH R1-1	36"X36"
			SH R1-2	48"X48"
			SH R1-2	60"X60"
			SH R2-1	36"X48"
			SH R2-1	36"X48"
			SH R2-1	36"X48"
			SH R2-5d	36"X48"
			SH R5-1	30"X30"
			SHF W1-1L	36"X36"
			SHF W1-1R	36"x36"
			SHF W1-2L	36"x36"
			SHF W1-2R	36"x36"
			SHF W1-3R	36"x36"
			SHF W1-4L	36"x36"
			SHF W1-4R	36"x36"
			SHF W1-6L	48"X24"
			SHF W1-6R	48"X24"
			SHF W1-7	48"X24"
			SHF W1-8D	18"X24"
			SHF W2-2	36"X36"
			SHF W4-4P	36"X18"
			SHF W12-1	24"X24"
			SHF W13-1P	24"X24"
			SHF W13-1P	24"X24"
			SHF W13-1P	24"X24"
			SHF W13-1P	24"X24"
			SHF W13-1P	24"X24"
			SH SPECIAL	48"X24"
1	100+18	ROUTE PP LT		1
2	100+26	ROUTE PP RT		1 1
3	101+91	ROUTE PP RT		1
4	102+33	ROUTE PP RT	1	
5	103+44	ROUTE PP RT		1
6	104+22	ROUTE PP RT		1
7	105+00	ROUTE PP RT		1
8	105+78	ROUTE PP RT		1
9	106+55	ROUTE PP RT		1
10	107+33	ROUTE PP RT		1
11	108+10	ROUTE PP RT		1
12	108+88	ROUTE PP RT		1
13	109+67	ROUTE PP RT		1
14	109+58	ROUTE PP LT		1 1
15	110+19	ROUTE PP LT		1
16	110+35	ROUTE PP LT		1
17	110+87	ROUTE PP LT		1
18	110+19	ROUTE PP RT		1
19	110+35	ROUTE PP RT		1
20	110+87	ROUTE PP RT		1
21	111+31	ROUTE PP LT		1
22	111+65	ROUTE PP LT		1
23	112+02	ROUTE PP LT		1
24	111+31	ROUTE PP RT		1
25	111+65	ROUTE PP RT		1
26	112+02	ROUTE PP RT		1
27	112+87	ROUTE PP RT		1 1
28	115+00	ROUTE PP LT		1
29	115+79	ROUTE PP LT		1
30	116+68	ROUTE PP LT		1
31	117+37	ROUTE PP LT		1
32	118+15	ROUTE PP LT		1
33	120+30	ROUTE PP RT		1
34	120+32	ROUTE PP LT		1 1
35	122+57	ROUTE PP RT		1 1
36	125+84	ROUTE PP RT		1
37	126+42	ROUTE PP RT		1
38	127+69	ROUTE PP RT		1
39	128+47	ROUTE PP RT		1
40	129+25	ROUTE PP RT		1
41	130+03	ROUTE PP RT		1
42	130+82	ROUTE PP RT		1
43	131+61	ROUTE PP RT		1
44	132+33	ROUTE PP RT		1
45	132+36	ROUTE PP RT		1
46	133+54	ROUTE PP RT		1
47	136+60	ROUTE PP RT		1 1
48	137+33	ROUTE PP LT		1 1
49	138+44	ROUTE PP LT		1
50	138+97	ROUTE PP LT		1
51	139+56	ROUTE PP LT		1
52	140+20	ROUTE PP LT		1
53	140+34	ROUTE PP LT		1
54	141+09	ROUTE PP LT		1
55	141+89	ROUTE PP LT		1
56	142+67	ROUTE PP LT		1
57	143+43	ROUTE PP LT		1
	SUBTOTAL 1		1 0 0 0 0 0 0 1 6 6 1 0 0 0 0 1 0 0 1 1 2 2 1 0 0 1 2 0 31 0 0 0 0 3 4 0 0 0

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D-30-SP

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/22/2025 1:51:50 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/22/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 54
COUNTY: FRANKLIN
JOB NO.: JSL0032
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 5 OF 10

STANDARD SIGN ASSEMBLIES (2 OF 4)

| SIGN NUMBER | STA | LOCATION | TYPE | SIGN DESCRIPTION, SIZES & NUMBER OF EACH | | |

STANDARD SIGN ASSEMBLIES (3 OF 4)

| SIGN NUMBER | STA | LOCATION | TYPE | SIGN DESCRIPTION, SIZES & NUMBER OF EACH | | |

STANDARD SIGN ASSEMBLIES (4 OF 4)

SIGN NUMBER	STA	LOCATION	TYPE	M1-5a	M1-5	M1-5	M2-1	M6-1	M6-3	M6-4	M19-2	OM-3L	OM-3R	R1-1	R1-2	R1-2	R2-1	R2-1	R2-1	R2-5d	R5-1	W1-1L	W1-1R	W1-2L	W1-2R	W1-3R	W1-4L	W1-4R	W1-6L	W1-6R	W1-7	W1-8D	W2-2	W4-4P	W12-1	W13-1P	W13-1P	W13-1P	W13-1P	W13-1P	SPECIAL
			SIGN DESCRIPTION, SIZES & NUMBER OF EACH	PP	30	47	JCT							STOP			SPEED LIMIT 45	SPEED LIMIT 50	SPEED LIMIT 55	SPEED LIMIT 20 EXCEPT WHERE POSTED	TRUCK ENTER																25 M.P.H.	30 M.P.H.	35 M.P.H.	40 M.P.H.	45 M.P.H.	St Clair JCT. I-44	
				30"x24"	24"x24"	24"x24"	21"x15"	21"x15"	21"x15"	21"x15"	18"x12"	12"X36"	12"X36"	36"X36"	48"X48"	60"X60"	36"X48"	36"X48"	36"X48"	36"X48"	30"X30"	36"X36"	36"x36"	36"x36"	36"x36"	36"x36"	36"x36"	36"x36"	48"X24"	48"X24"	48"X24"	18"X24"	36"X36"	36"X18"	30"X30"	24"X24"	24"X24"	24"X24"	24"X24"	24"X24"	48"X24"
172	407+83	ROUTE PP RT										1																													
173	408+18	ROUTE PP RT										1																													
174	426+05	ROUTE PP LT												1																										
175	427+75	ROUTE PP RT	1																																					
176	431+75	ROUTE PP RT											1																											
177	431+75	ROUTE PP LT										1																												
178	433+01	ROUTE PP LT											1																											
179	433+01	ROUTE PP RT										1																												
180	439+79	ROUTE PP RT												1																										
181	441+21	ROUTE PP RT															1																							1
182	441+21	ROUTE PP RT																		1																				
183	441+18	ROUTE PP LT																1																						
184	442+69	ROUTE PP RT											1																											
185	443+47	ROUTE PP RT											1																											
186	444+23	ROUTE PP RT											1																											
187	445+09	ROUTE PP RT											1																											
188	445+28	ROUTE PP LT											1																											
189	450+34	ROUTE PP RT		1	1	1																																	
190	450+28	ROUTE PP LT															1																							
191	453+76	ROUTE PP LT	1																																				
192	455+30	ROUTE PP RT																																		1				
193	455+22	ROUTE PP RT														1					1																			
194	455+43	ROUTE PP RT												1																					1					
195	455+48	ROUTE PP LT													1																									
196	20+87	ROUTE 30 RT	1	1	1		1	2																															
197	21+53	ROUTE 30 LT																													1								
198	21+60	ROUTE 30 LT		1	1				2																														
199	22+27	ROUTE 30 LT	1	1	1		1	2																															
SUBTOTAL 4			4	4	4	1	2	4	2	0	4	7	3	1	1	2	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	1
SUBTOTAL 1			1	0	0	0	0	0	0	1	6	6	1	0	0	0	0	1	0	0	1	1	2	2	1	0	0	1	2	0	31	0	0	0	0	3	4	0	0	0
SUBTOTAL 2			0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4	3	1	0	2	2	1	0	43	0	0	0	0	1	4	3	2	0
SUBTOTAL 3			2	0	0	0	0	0	0	0	4	6	0	0	0	0	1	3	0	0	1	1	3	4	0	4	0	1	1	0	23	3	0	0	2	0	4	1	6	0
TOTAL			7	4	4	1	2	4	2	1	14	19	5	1	1	2	2	4	1	1	2	2	9	9	2	4	2	4	4	1	97	3	1	1	2	4	12	4	8	1

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D-30-SP

STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
Shirley J. Norris
10/22/2025 1:54:47 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/22/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	57

COUNTY
FRANKLIN

JOB NO.
JSL0032

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 8 OF 10

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQAURE FEET				
			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
M1-5a (PP)		7	30"x24"	35.00			
M1-5 (30)		4	24"x24"	16.00			
M1-5 (47)		4	24"x24"	16.00			
M2-1		1	21"x15"	2.19			
M6-1		2	21"x15"	4.38			
M6-3		4	21"x15"	8.75			
M6-4		2	21"x15"	4.38			
M19-2		1	18"x12"	1.50			
OM-3L		14	12"X36"		42.00		
OM-3R		19	12"X36"		57.00		
R1-1		5	36"X36"	45.00			
R1-2		1	48"X48"	6.93			
R1-2		1	60"X60"	10.83			
R2-1 (45)		2	36"X48"	24.00			
R2-1 (50)		2	36"X48"	24.00			
R2-1 (55)		4	36"X48"	48.00			
R2-5d		1	36"X48"	12.00			
R5-1		1	30"X30"	6.25			
W1-1L		2	36"X36"		18.00		
W1-1R		2	36"x36"		18.00		
W1-2L		9	36"x36"		81.00		
W1-2R		9	36"x36"		81.00		
W1-3R		2	36"x36"		18.00		
W1-4L		4	36"x36"		36.00		
W1-4R		2	36"x36"		18.00		
W1-6L		4	48"X24"		32.00		
W1-6R		4	48"X24"		32.00		
W1-7		1	48"X24"		8.00		
W1-8D		97	18"X24"		291.00		
W2-2		3	36"X36"		27.00		
W4-4P		1	36"X18"		4.50		
W12-1		1	30"X30"		6.25		
W13-1P (25)		2	24"X24"		8.00		
W13-1P (30)		4	24"X24"		16.00		
W13-1P (35)		12	24"X24"		48.00		
W13-1P (40)		4	24"X24"		16.00		
W13-1P (45)		8	24"X24"		32.00		
SPECIAL	59	1	48"X24"	8.00			
SUBTOTALS				273.2	889.8	-	-
PAY TOTALS				273	890	-	-

* ORANGE, YELLOW & YELLOW/GREEN

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 1:55:55 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

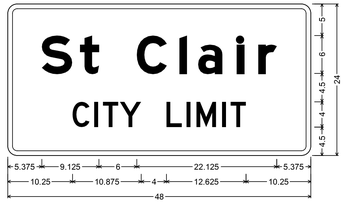
DATE PREPARED: 10/22/2025
ROUTE: PP | STATE: MO
DISTRICT: SL | SHEET NO.: 58
COUNTY: FRANKLIN
JOB NO.: JSL0032
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

SIGNING
SHEET 9 OF 10

D-30-SP



SIGN NO.	181
STATION	441+21
ROADWAY	PP

I4-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"St Clair", E Mod; "CITY LIMIT", D;
Table of letter and object lefts

S 5.375	**t** 11.500	**C** 20.500	**I** 27.250	**a** 30.125	**i** 36.250	**r** 39.625

C 10.250	**I** 13.750	**T** 15.125	**Y** 17.750	**L** 25.125	**I** 28.375	**M** 29.875	**I** 33.875	**T** 35.250

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/22/2025 1:56:46 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/22/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	59

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

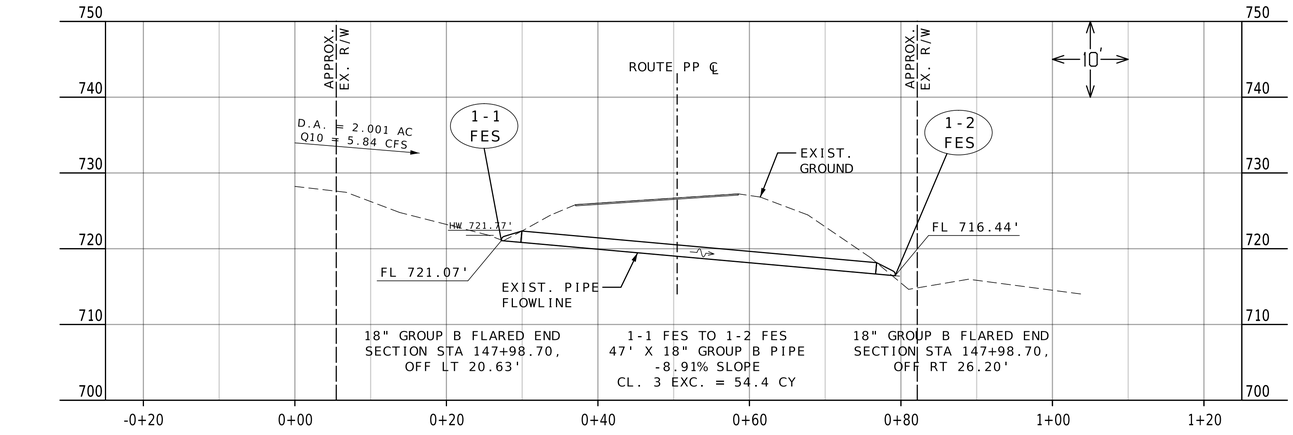
BRIDGE NO.

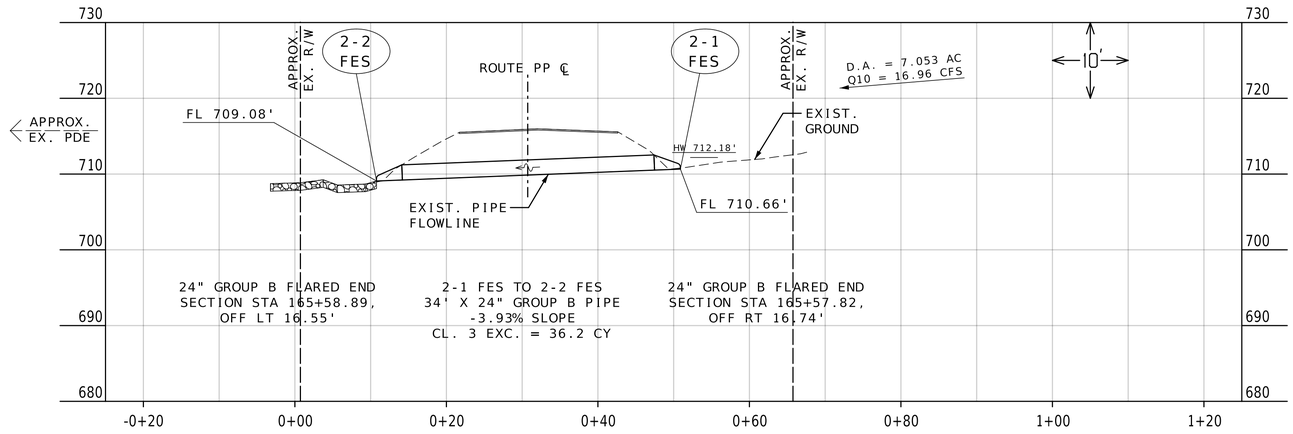
DESCRIPTION	DATE

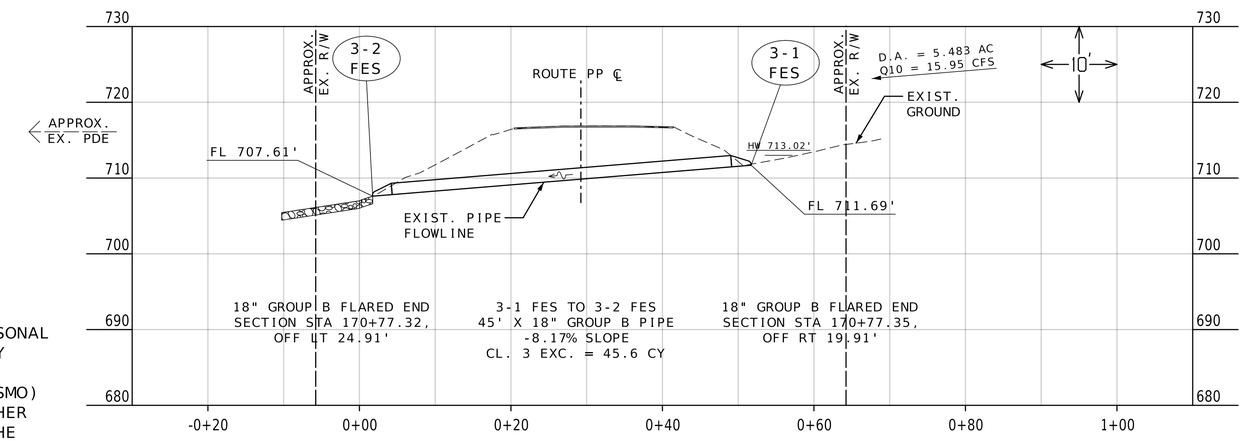
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGNING
SHEET 10 OF 10







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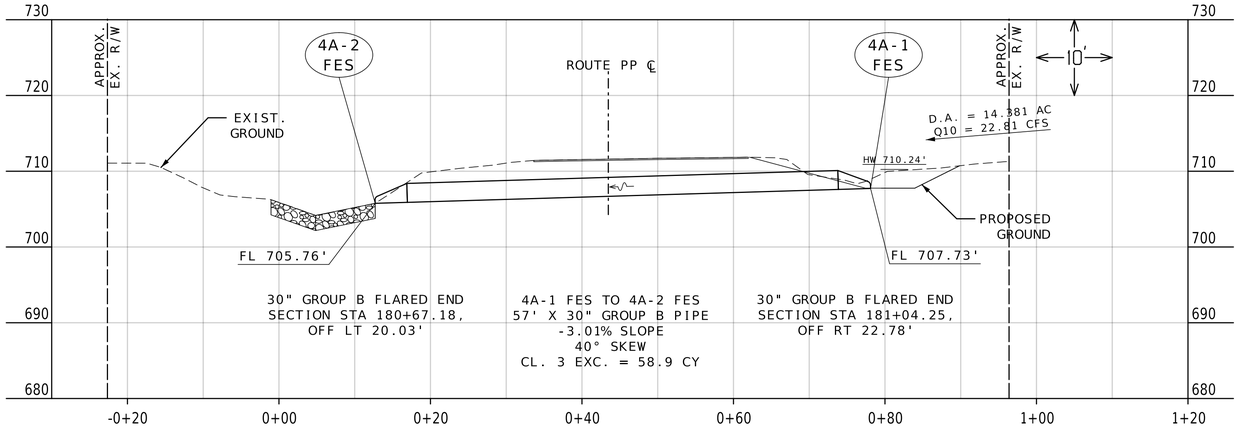
STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/23/2025 12:26:39 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

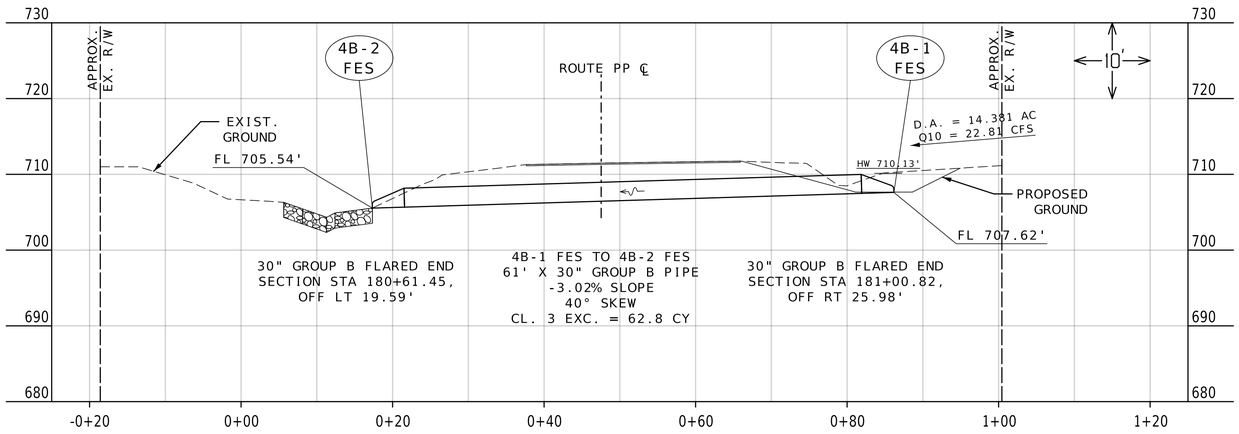
DATE PREPARED: 10/22/2025
ROUTE: PP
STATE: MO
DISTRICT: SL
SHEET NO.: 60
COUNTY: FRANKLIN
JOB NO.: JSL0032
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

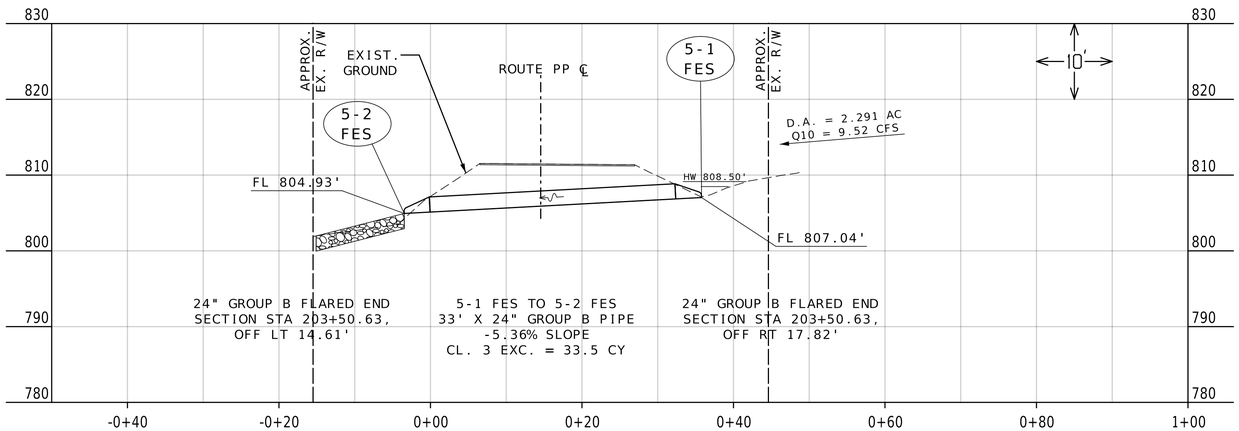
DESCRIPTION | DATE

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

CULVERT SECTIONS
SHEET 1 OF 6







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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/23/2025 12:28:24 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/22/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	61

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

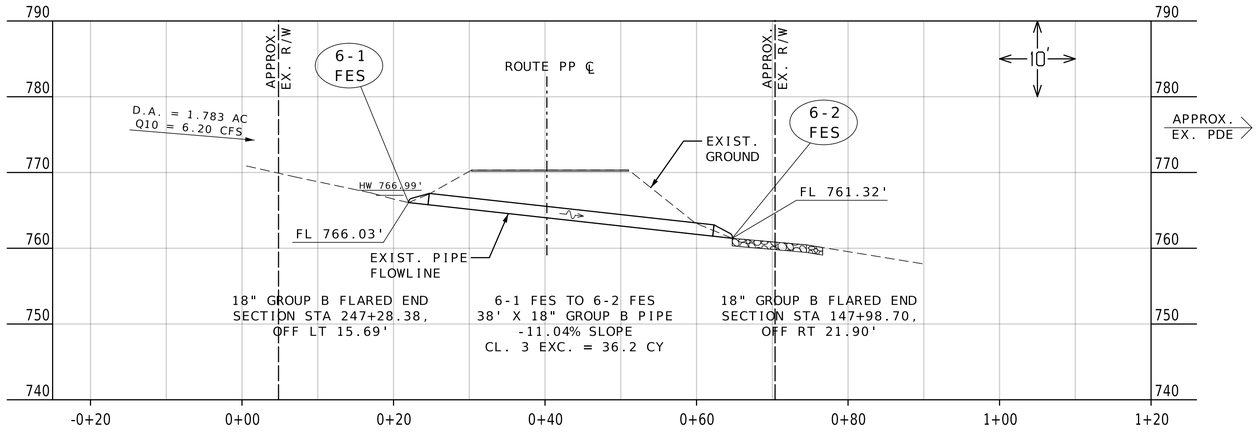
PROJECT NO.

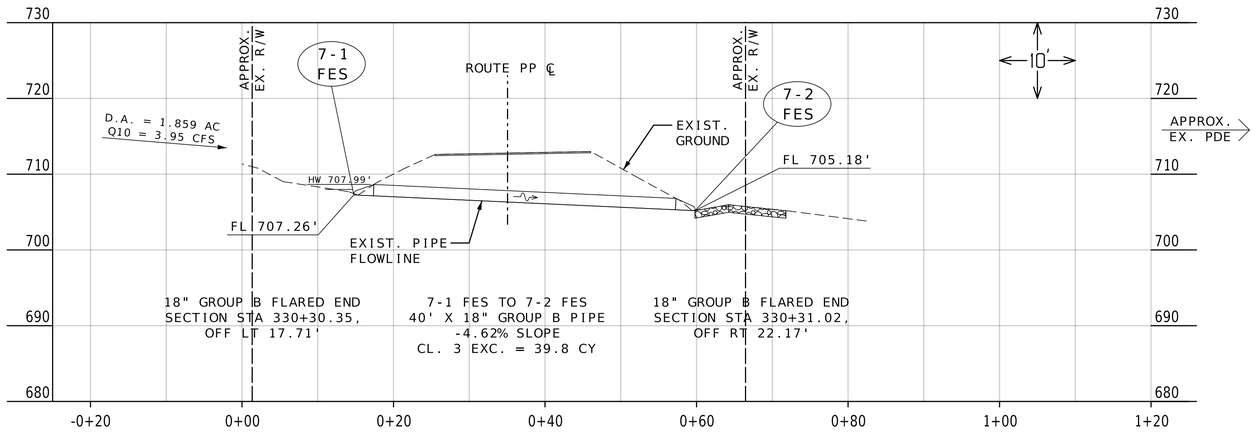
BRIDGE NO.

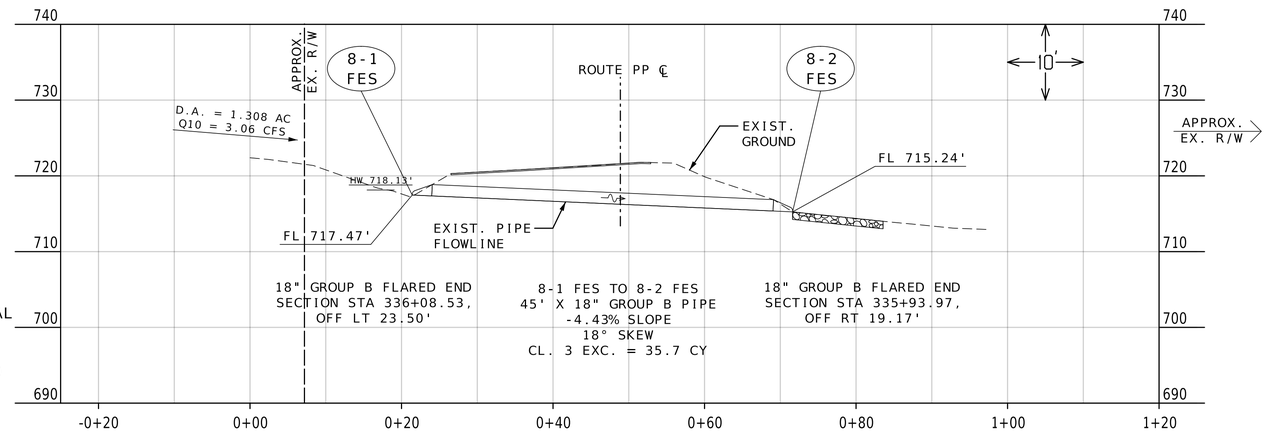
DESCRIPTION	DATE

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

CULVERT SECTIONS
SHEET 2 OF 6







DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/23/2025 12:29:25 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779
DATE PREPARED

10/22/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	62

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

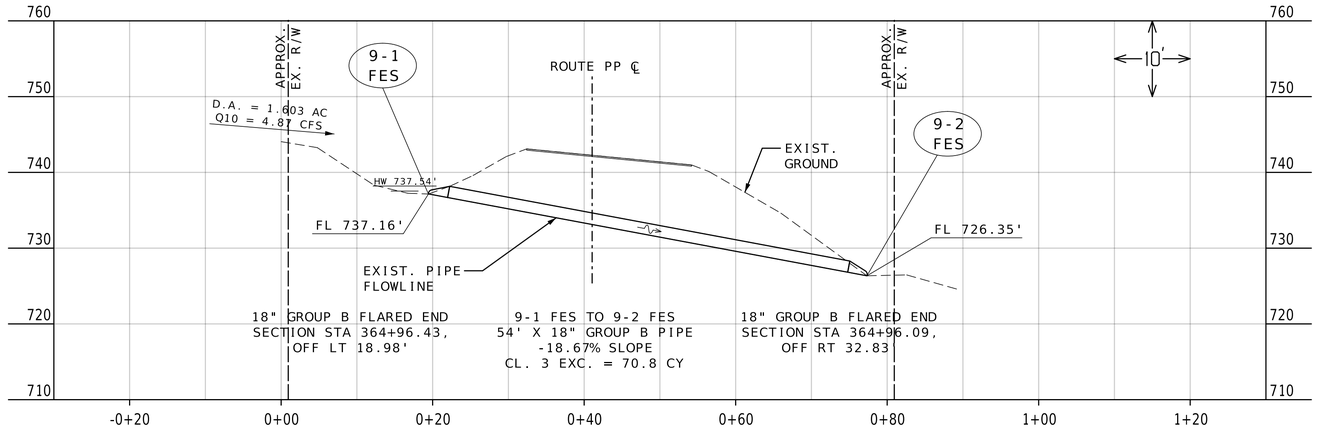
PROJECT NO.

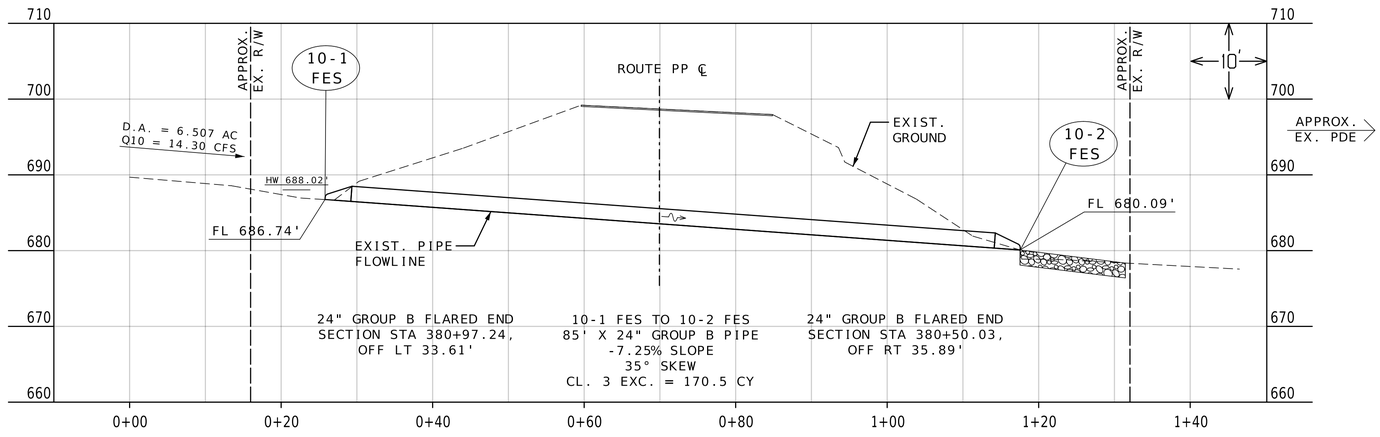
BRIDGE NO.

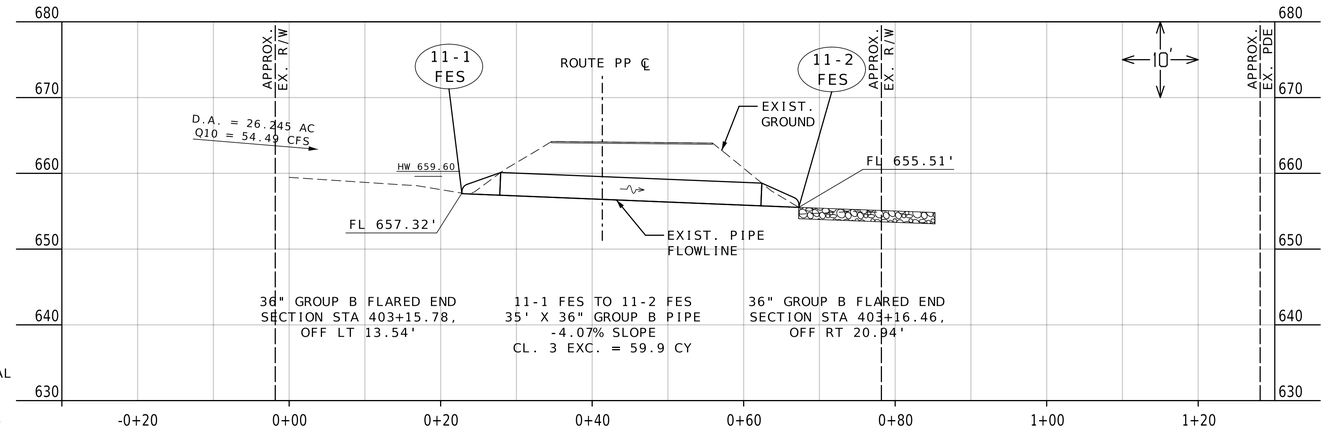
DESCRIPTION	DATE

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

CULVERT SECTIONS
SHEET 3 OF 6







DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER
10/23/2025 12:30:45 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/22/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	63

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

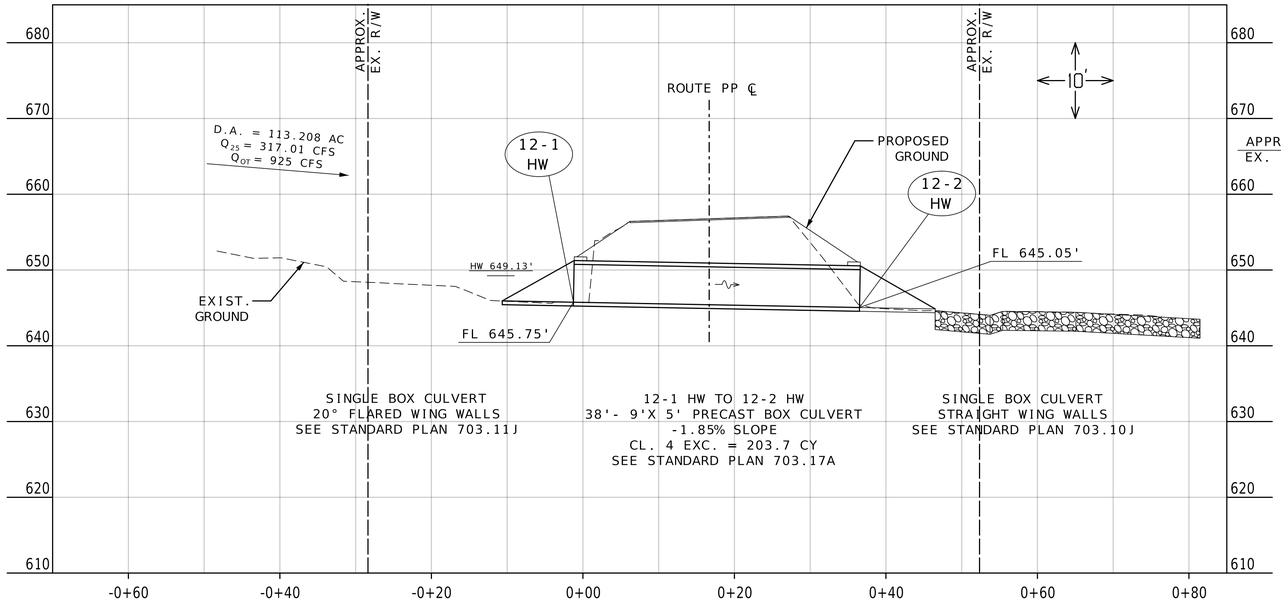
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CULVERT SECTIONS
SHEET 4 OF 6



DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

Shirley J. Norris

10/23/2025 12:34:08 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED
10/22/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	64

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

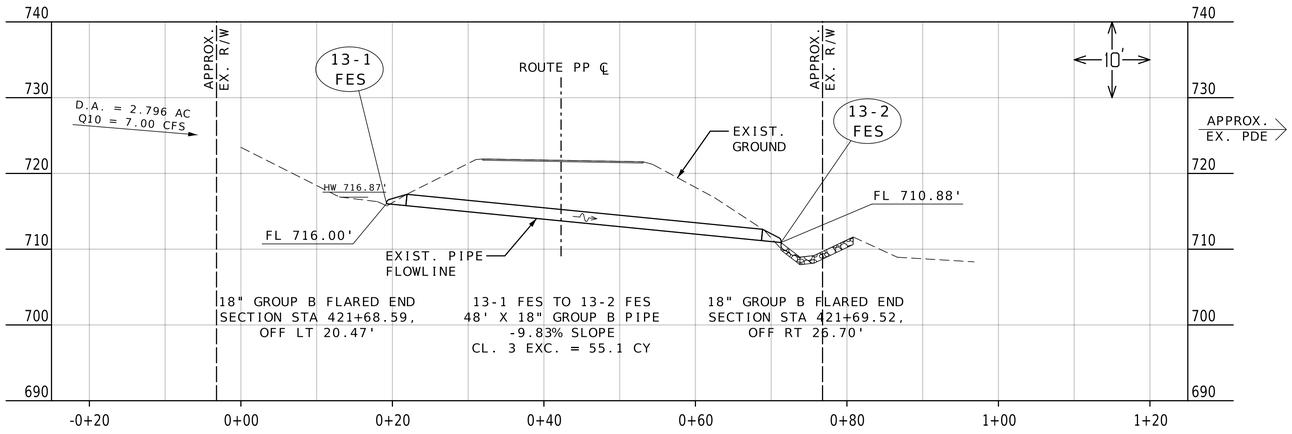
BRIDGE NO.

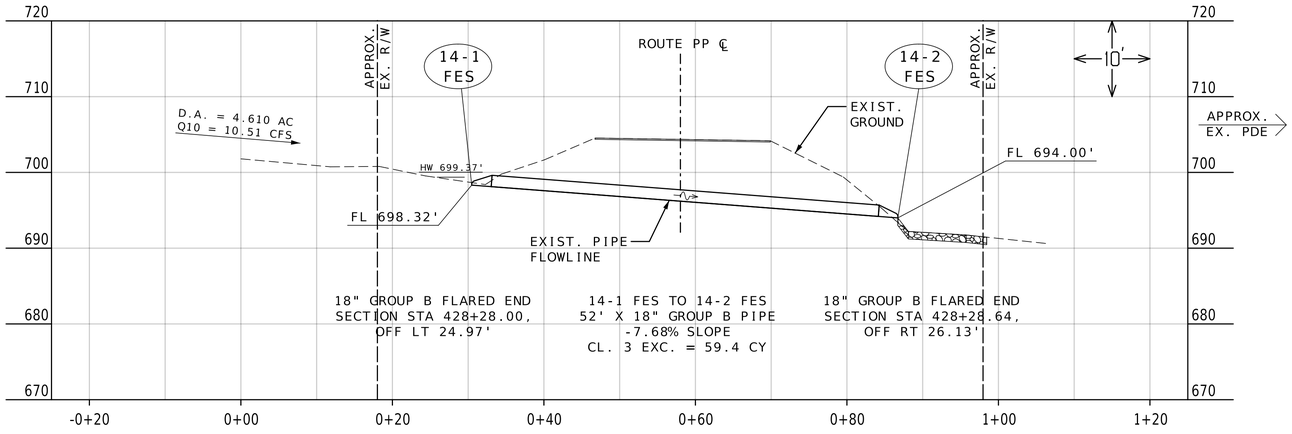
DESCRIPTION	DATE

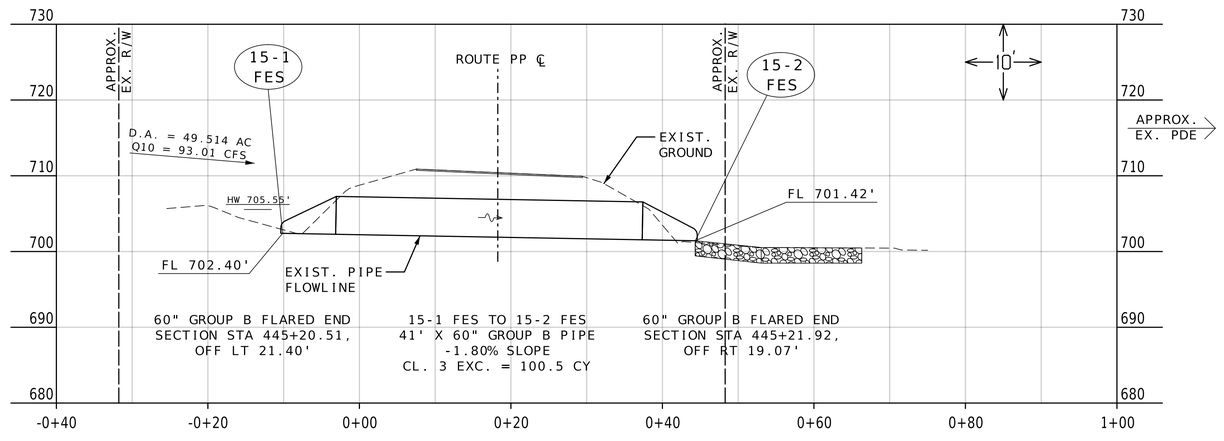
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CULVERT SECTIONS
SHEET 5 OF 6







DISCLAIMER

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STATE OF MISSOURI
SHIRLEY J. NORRIS
NUMBER PE-28779
PROFESSIONAL ENGINEER

10/23/2025 12:35:38 PM
SHIRLEY J. NORRIS - CIVIL
MO-PE-28779

DATE PREPARED: 10/22/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
SL	65

COUNTY: FRANKLIN

JOB NO.: JSL0032

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

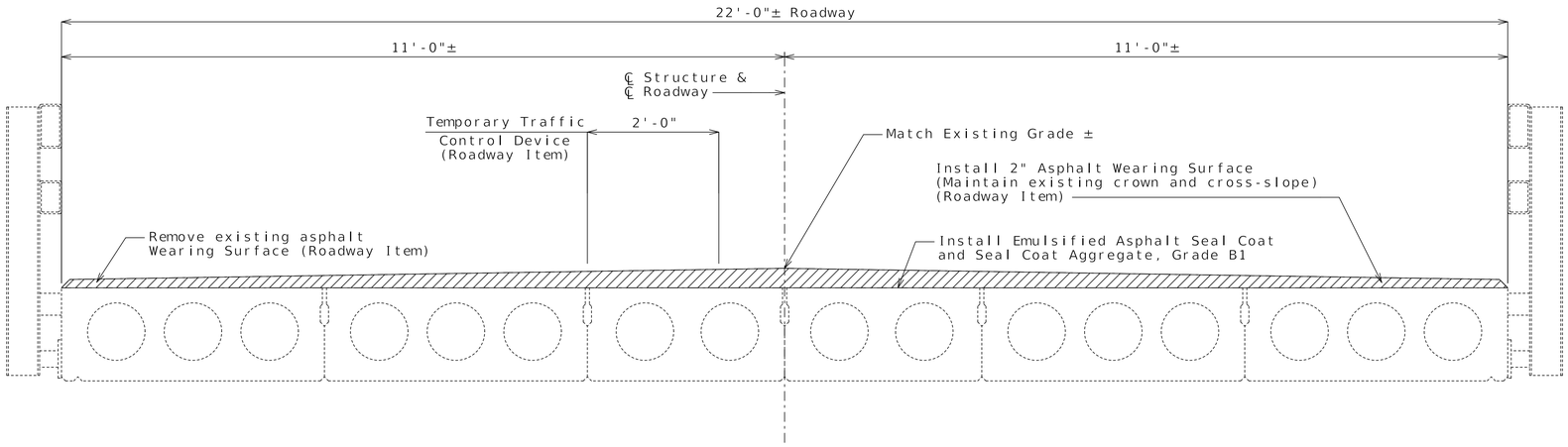
DESCRIPTION	DATE

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

CULVERT SECTIONS
SHEET 6 OF 6

SEC/SUR 11 TWP 41N RGE 1W

U.I.P. AND REHABILITATE EXISTING (21.5')(34')(21.5') SIMPLE PRESTRESSED CONCRETE ADJACENT VOIDED SLAB BEAM SPANS



SECTION THRU EXISTING SLAB

General Notes:

Design Specifications:
2002 AASHTO LFD (17th Ed.) Standard Specifications
Bridge Deck Rating = 9

Design Loading:
HS20-44 (New and Existing Construction)

Miscellaneous:
Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Contractor shall verify all dimensions in field before ordering new material.

Roadway surfacing adjacent to bridge ends shall match new bridge wearing surface (Roadway Item).

Traffic Handling:
Traffic to be maintained on structure during construction. See roadway plans for traffic control.

Estimated Quantities		
Item		Total
Emulsified Asphalt, Seal Coat	gallon	76
Seal Coat Aggregate, Grade B1	sq. yard	189

REPAIRS TO BRIDGE: ROUTE PP OVER HOOSIER CREEK

ROUTE PP FROM ROUTE 30 TO PICKLES FORD RD
ABOUT 2.8 MILES SOUTH OF ROUTE 30
BEGINNING STATION 310+26.5± (MATCH EXISTING)

Detailed Aug. 2025
Checked Oct. 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
TRENTON B. CRAWFORD
NUMBER PE-2012018053
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
10/28/2025

ROUTE	STATE
PP	MO
DISTRICT	SHEET NO.
BR	1

COUNTY
FRANKLIN

JOB NO.
JSL0032

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
R02622

DESCRIPTION	DATE

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