MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
R/W PLANS FOR PROPOSED
STATE HIGHWAY

BOLLINGER COUNTY

DESIGN DESIGNATION

A.A.D.T. - 2025 = 2824
A.A.D.T. - 2035 = 2968
D.H.V. = 11%
T = 22%
V = 55 M.P.H.
D = 51%

FUNCTIONAL CLASSIFICATION-PRINICIPAL ARTERIAL

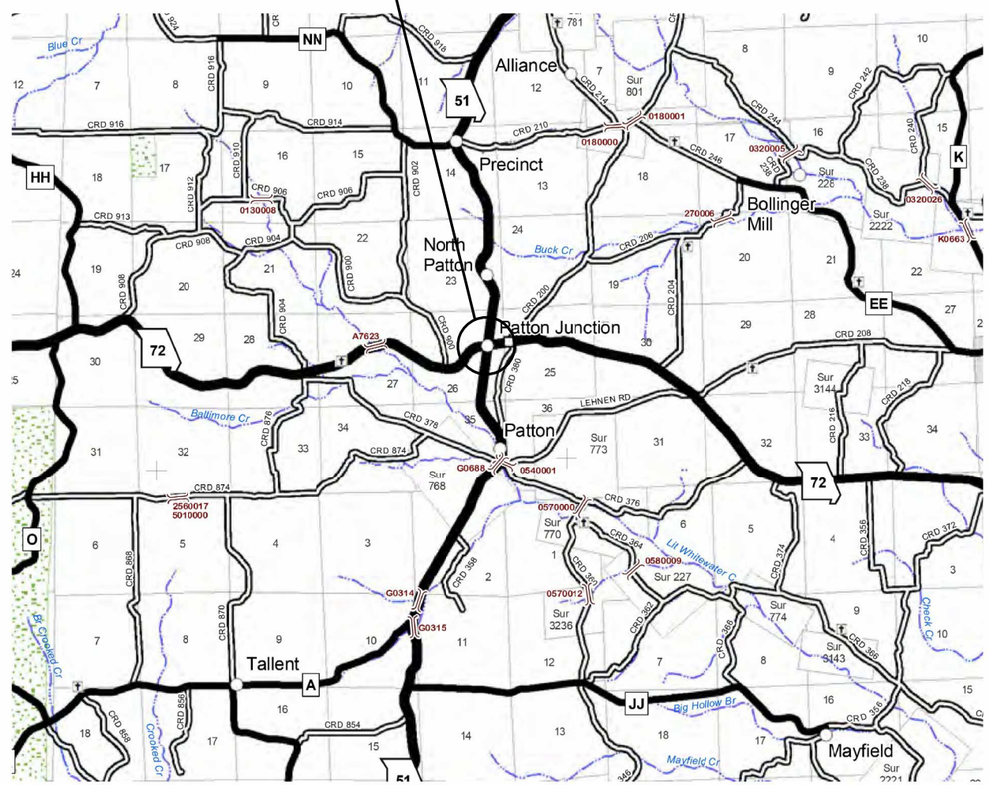
NORMAL ACCESS RIGHT OF WAY

CONVENTIONAL SYMBOLS
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	—FO—	—FO—
OVERHEAD CABLE TV	—OTV—	—OTV—
UNDERGROUND CABLE TV	—UTV—	—UTV—
OVERHEAD TELEPHONE	—OT—	—OT—
UNDERGROUND TELEPHONE	—UT—	—UT—
OVERHEAD POWER	—OE—	—OE—
UNDERGROUND POWER	—UE—	—UE—
SANITARY SEWER	—S—	—S—
STORM SEWER	—SS—	—SS—
GAS	—G—	—G—
WATER	—W—	—W—
MANHOLE	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	—V—	
WOVEN WIRE	—X—	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

PROJECT LOCATION
INTERSECTION IMPROVEMENTS/ROUNDABOUT



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

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
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LENGTH OF PROJECT

RTE 72

BEGINNING OF PROJECT STA. 417 + 05.46
END OF PROJECT STA. 431 + 00.00

APPARENT LENGTH 1394.54 FEET

EQUATIONS AND EXCEPTIONS:
429+75.00 BK = 429+46.00 AH +29.00 FEET

RTE 51

BEGINNING OF PROJECT STA. 321 + 00.00
END OF PROJECT STA. 332 + 75.96

APPARENT LENGTH 1175.96 FEET

EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS +29.00 FEET
NET LENGTH OF PROJECT 2599.5 FEET
STATE LENGTH 0.492 MILES

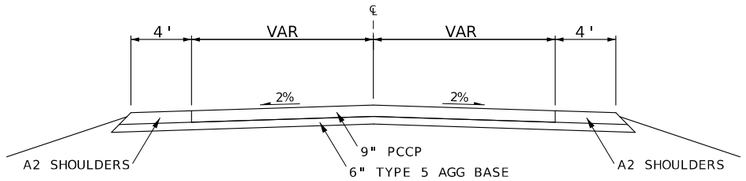
FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 1.6 ACRES

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/08/2024 1:03:56 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

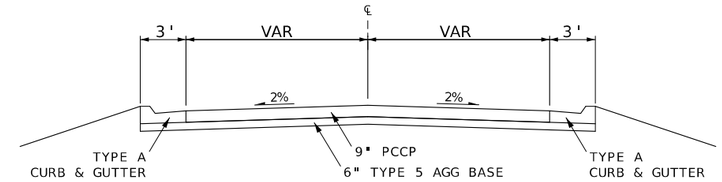
DATE PREPARED	10/22/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	1
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION
DATE

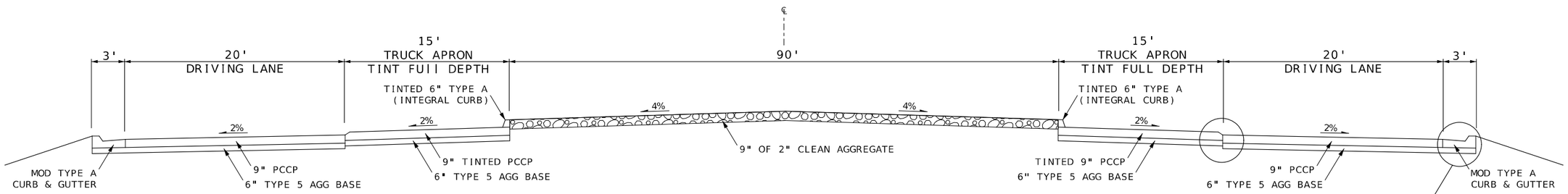
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



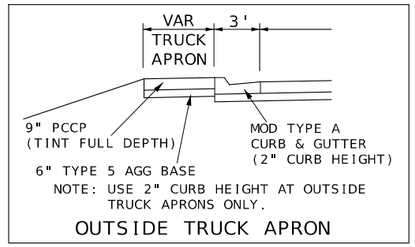
SECTION ON TANGENT
WITH SHOULDERS



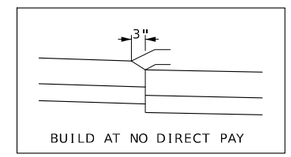
SECTION ON TANGENT
WITH CURB AND GUTTER



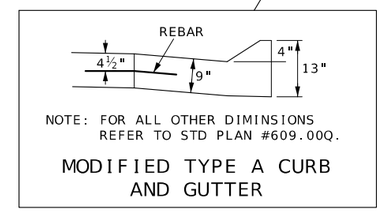
SECTION ON TANGENT
RTE 72/51
ROUNDABOUT LIMITS



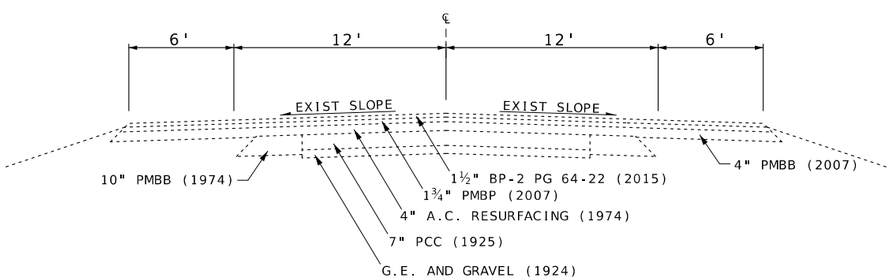
OUTSIDE TRUCK APRON



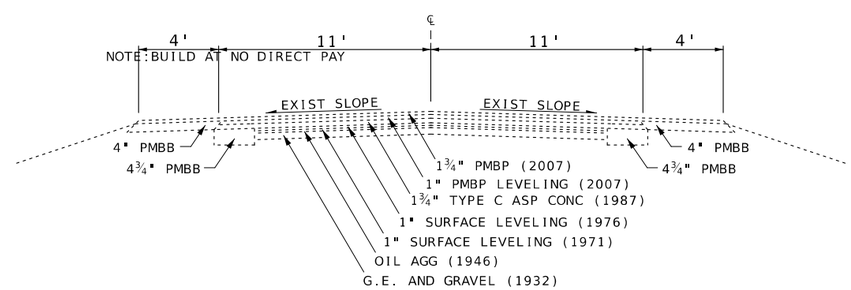
BUILD AT NO DIRECT PAY



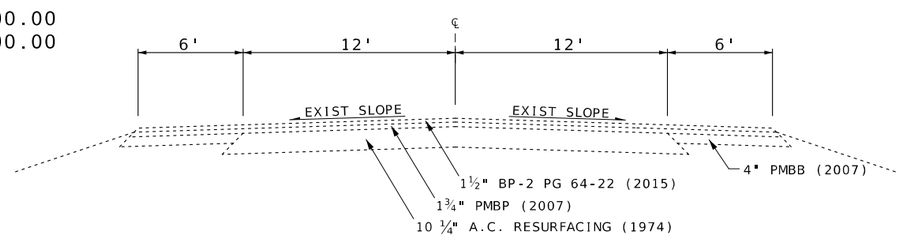
MODIFIED TYPE A CURB
AND GUTTER



SECTION ON TANGENT
RTE 72
STA 417+05.46 TO STA 418+00.00
STA 427+25.00 TO STA 431+00.00



SECTION ON TANGENT
RTE 51
STA 321+00.00 TO STA 332+75.96



SECTION ON TANGENT
RTE 72
STA 418+00.00 TO STA 427+25.00

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER
PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:28:26 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	10/22/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	2
COUNTY	BOLLINGER
JOB NO.	J9P3842
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)

TYPICAL SECTION
SHEET 1 OF 1
DRAWING NOT TO SCALE

ENTRANCES

SHEET	STA	LOC	ROUTE	FORESLOPE	7" PAVED APPROACH SY	8" PAVED APPROACH SY	18" GROUP B PIPE FT	21" GROUP B PIPE FT	TEMPORARY SURFACING CY	MOD LINEAR GRADING CLASS 2 STA	REMARKS
4,14	426+25.00	RT	72	6:1		237.8			40		GRADING INCLUDED WITH ROADWAY
4,14	426+92.00	RT	72	6:1		338.2			56		GRADING INCLUDED WITH ROADWAY
4,14	427+28.77	LT	72	6:1	104.4			71	17	0.3	BEVEL PIPE ENDS TO FIT FORESLOPES OF ENTRANCE
4,14	428+63.20	LT	72	6:1	88.9		52		15	0.3	BEVEL PIPE ENDS TO FIT FORESLOPES OF ENTRANCE
4,14	429+03.00	RT	72	6:1		430.0			72		GRADING INCLUDED WITH ROADWAY
5,14	321+11.21	LT	51	3:1		191.1			32	3.0	
5,14	324+07.01	LT	51	3:1		108.9			18	0.3	
5,14	324+80.90	LT	51	3:1		120.0			20	0.3	
5,14	325+70.58	RT	51	3:1		158.9	47		26	0.6	BEVEL PIPE ENDS TO FIT FORESLOPES OF ENTRANCE
5,14	330+26.37	RT	51	3:1		211.1	78		35	0.4	BEVEL PIPE ENDS TO FIT FORESLOPES OF ENTRANCE
5,14	330+61.00	LT	51	3:1	186.7				31	0.7	
				TOTAL	380.0	1796.0	177	71	362	5.9	
				USE	380.0	1796.0	177	71	362	5.9	

CLEARING AND GRUBBING

0.1 AC AT NO DIRECT PAY

EARTHWORK

SHEET	STA	STA	CLASS A EXC CY	COMP EMB CY	EMB IN PLACE CY	COMP IN CUT STA	NEEDED FILL CY	REMARKS
4,5	321+00.00	325+78.29	1390	98		4.78	98	NORTH LEG ROUTE 51
4,5	328+60.82	332+75.96	556	385		4.15	385	SOUTH LEG ROUTE 51
4,5	417+05.46	422+00.00	452	225		4.95	225	WEST LEG ROUTE 72
4,5	422+00.00	423+75.00	146	1504	302	1.75	1806	ROUND ABOUT (USE EXCESS MATERIAL FROM PREVIOUS LEGS)
4,5	423+75.00	429+46.00	708	616	1249	5.71	1865	EAST LEG ROUTE 72
		TOTAL	3252	2828	1551	21.34		
		USE	3252	2828	1551	21.3		

TYPE A2 SHOULDER

SHEET	STA	STA	LOC	LENGTH	WIDTH	SY	REMARKS
4,5,13	0+00.00	3+21.51	LT	321.5	4	142.89	RTE 72 BL (RANW_BL_72)
4,5,13	0+00.00	3+17.17	RT	317.2	4	140.98	RTE 72 BL (RASW_BL_72)
4,5,13	0+00.00	2+01.87	LT	201.9	4	89.73	RTE 51 BL (RASW_BL_51)
4,5,13	0+00.00	1+84.25	RT	184.3	4	81.91	RTE 51 BL (RASE_BL_51)
4,5,13	2+45.87	2+56.62	RT	10.8	4	4.80	RTE 51 BL (RASE_BL_51)
4,5,13	0+00.00	0+84.55	RT	84.6	4	37.60	RTE 72 BL (RANE_BL_72)
4,5,13	1+55.12	2+26.58	RT	71.5	4	31.78	RTE 72 BL (RANE_BL_72)
4,5,13	2+82.39	4+00.00	RT	117.6	4	52.27	RTE 72 BL (RANE_BL_72)
4,5,13	0+54.04	2+74.05	LT	220.0	4	97.78	RTE 51 BL (RANE_BL_51)
4,5,13	0+00.00	3+59.15	RT	359.2	4	159.64	RTE 51 BL (RANW_BL_51)
					TOTAL	839.38	
					USE	839.4	

REMOVAL OF IMPROVEMENTS

SHEET	STA	LOC	DESCRIPTION	REMARKS
27	413+30	RT	RTE 51 JCT SIGN	ROUTE 72
27	415+10	RT	INTERSECTION SIGN	ROUTE 72(SALVAGE)
27	417+00	LT,RT	DESTINATION SIGNS	ROUTE 72
27	420+90	LT	DIRECTIONAL SIGN	ROUTE 72
27	421+30	RT	DIRECTIONAL SIGNS	ROUTE 72
27	424+50	RT	DIRECTIONAL SIGN	ROUTE 72
4	427+29	LT	21"X33' CMP, DRWY PIPE	ROUTE 72
4	428+63	LT	18"X29' CMP, DRWY PIPE	ROUTE 72
27	429+60	LT	DESTINATION SIGN	ROUTE 72
27	430+00	RT	DESTINATION SIGN	ROUTE 72
27	430+80	LT	INTERSECTION SIGN	ROUTE 72(SALVAGE)
27	437+00	LT	RTE 51 JCT SIGN	ROUTE 72
4		LT,CL,RT	18' X 1270' EXISTING CONCRETE ROADWAY	ROUTE 72
28	318+00	RT	RTE 72 JCT SIGN	ROUTE 51
28	320+20	RT	STOP SIGN W/ HAZARD BOARDS	ROUTE 51
28	322+30	RT	DESTINATION SIGN	ROUTE 51
5	325+70	RT	18"X31' CMP, DRWY PIPE	ROUTE 51
28	326+10	LT,RT	DESTINATION SIGNS	ROUTE 51
5	326+49	CL	12"X109' PLASTIC, CROSS ROAD	ROUTE 51
28	326+50	LT	YIELD SIGN	ROUTE 51
28	326+60	RT	LIGHT POLE	ROUTE 51
28	326+65	LT	DESTINATION SIGN	ROUTE 51
28	327+00	RT	YIELD SIGN	ROUTE 51
28	327+05	RT	STOP SIGN	ROUTE 51(SALVAGE)
28	327+50	LT	STOP SIGN	ROUTE 51(SALVAGE)
28	327+60	LT	YIELD SIGN	ROUTE 51
28	328+10	RT	YIELD SIGN	ROUTE 51
28	328+20	LT	LIGHT POLE	ROUTE 51
28	328+30	LT	DESTINATION SIGN	ROUTE 51
28	329+00	RT	DESTINATION SIGN	ROUTE 51
5	330+26	RT	18"X70' CMP, DRWY PIPE	ROUTE 51
5	330+89	CL	4' X 6' X 53' CONC BOX CULVERT, CROSS ROAD	ROUTE 51
28	330+90	RT	HAZARD BOARD	ROUTE 51
28	331+35	LT	DESTINATION SIGN	ROUTE 51
28	334+50	LT	STOP SIGN W/ HAZARD BOARDS	ROUTE 51
28	335+85	LT	RTE 72 JCT SIGN	ROUTE 51
			LUMP SUM 1	

6 INCH TYPE 5 AGGREGATE BASE

SHEET	STA	STA	LENGTH FT	AVE WIDTH FT	SY	REMARKS
4,5	417+05.46	420+29.09	323.63	10671.30	1185.7	WEST LEG ROUTE 72
4,5	420+29.09	422+13.34	184.25	10811.70	1201.3	WEST LEG ROUTE 72
4,5	423+70.57	425+75.35	204.78	11277.00	1253.0	EAST LEG ROUTE 72
4,5	425+75.35	425+97.77	22.42	861.30	95.7	EAST LEG ROUTE 72
4,5	425+97.77	429+75.00	377.23	12114.00	1346.0	EAST LEG ROUTE 72
4,5	321+00.00	324+25.27	325.27	10513.80	1168.2	NORTH LEG ROUTE 51
4,5	324+25.27	324+58.54	33.27	1319.40	146.6	NORTH LEG ROUTE 51
4,5	324+58.54	326+62.68	204.14	10625.40	1180.6	NORTH LEG ROUTE 51
4,5	328+22.04	329+85.85	163.81	8635.50	959.5	SOUTH LEG ROUTE 51
4,5	329+85.85	330+19.95	34.10	1316.70	146.3	SOUTH LEG ROUTE 51
4,5	330+19.95	332+75.96	256.01	8564.40	951.6	SOUTH LEG ROUTE 51
4,5	422+13.34	423+70.57	157.23	13744.80	1527.2	ROUND ABOUT
					11162	
					11162	

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:27:52 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED 10/28/2024

ROUTE	STATE
72/51	MO

DISTRICT	SHEET NO.
SE	3

COUNTY: BOLLINGER

JOB NO. J9P3842

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

SUMMARY OF QUANTITIES
SHEET 1 OF 5

TINTED 9 INCH PCCP

SHEET	STA	STA	LOC	AVE LENGTH FT	WIDTH FT	SY	REMARKS
4,5,13	0+00.00	2+51.33	LT	164.93	15.00	274.9	ROUND ABOUT TRUCK APRON (RA_IC_1), INCLUDES CURB
4,5,13	0+00.00	2+51.33	LT	164.93	15.00	274.9	ROUND ABOUT TRUCK APRON (RA_IC_2), INCLUDES CURB
4,5,13,16	4+24.49		RT	58.32	VAR	21.1	TRUCK APRON (RASW_BL_72), INCLUDES BLOCK OUT
4,5,13,16	5+29.49		RT	57.91	VAR	24.3	TRUCK APRON (RANE_BL_72), INCLUDES BLOCK OUT
					TOTAL	595.2	
					USE	595.2	

TINTED 6 INCH CONCRETE MEDIAN

SHEET	STA	STA	LOC	SY	REMARKS
16	420+25.91	422+12.97	CL	189.98	WEST LEG ROUTE 72
16	423+73.19	425+77.67	CL	204.89	EAST LEG ROUTE 72
16	426+47.93	426+60.09	RT	9.28	EAST LEG ROUTE 72
16	427+20.91	428+58.00	RT	120.34	EAST LEG ROUTE 72
16	325+89.28	326+60.40	CL	141.53	NORTH LEG ROUTE 51
16	328+23.73	329+96.75	CL	163.46	SOUTH LEG ROUTE 51
			TOTAL	829.48	
			USE	829.5	

9 INCH PCCP

SHEET	STA	STA	LENGTH FT	AVE WIDTH FT	PAVEMENT SY	REMARKS
4,5	417+05.46	422+13.34	507.88	34.46	1944.8	WEST LEG ROUTE 72
4,5	423+70.57	429+75.00	604.43	34.84	2340.1	EAST LEG ROUTE 72
4,5	321+00.00	326+62.68	562.68	32.32	2020.4	NORTH LEG ROUTE 51
4,5	328+22.04	332+75.96	453.92	32.97	1663.0	SOUTH LEG ROUTE 51
4,5	422+13.34	423+70.57	157.23	55.95	977.5	ROUND ABOUT DRIVING LANE
				TOTAL	8945.8	
				USE	8945.8	

MODIFIED CONCRETE CURB AND GUTTER, TYPE A

SHEET	STA	STA	LOC	4 IN	2 IN	FT	REMARKS
4,5,13	3+21.51	5+66.59	LT	245.1		245.1	RTE 72 BL (RANW_BL_72)
4,5,13	3+17.17	5+17.92	RT	167.9	32.9	200.8	RTE 72 BL (RASW_BL_72)
4,5,13	2+97.31	5+17.92	LT	195.2	25.4	220.6	RTE 51 BL (RASW_BL_51)
4,5,13	2+56.62	4+68.45	RT	211.8		211.8	RTE 51 BL (RASE_BL_51)
4,5,13	3+77.32	6+57.03	LT	279.7		279.7	RTE 72 BL (RASE_BL_72)
4,5,13	4+00.00	6+17.22	RT	184.9	32.3	217.2	RTE 72 BL (RANE_BL_72)
4,5,13	3+39.05	3+44.37	LT	5.3		5.3	RTE 51 BL (RANE_BL_51)
4,5,13	4+19.60	5+98.32	LT	153.0	25.7	178.7	RTE 51 BL (RANE_BL_51)
4,5,13	3+59.15	4+39.73	RT	80.6		80.6	RTE 51 BL (RANW_BL_51)
4,5,13	5+02.19	5+80.19	RT	78.0		78.0	RTE 51 BL (RANW_BL_51)
4,5,13	0+54.39	0+56.24	RT	1.9		1.9	INSCRIBED CIRCLE (RA_IC_1)
4,5,13	0+44.50	0+68.36	RT	23.9		23.9	INSCRIBED CIRCLE (RA_IC_2)
					TOTAL	1743.6	
					USE	1744	

CONCRETE GUTTER, TYPE A

SHEET	STA	LOC	FT	REMARKS
13,15	4+40.00	LT	32.6	RTE 72 BL (RANE_BL_72))
13,15	4+40.00	RT	27.8	RTE 72 BL (RASE_BL_72)
13,15	4+38.50	RT	7.5	RTE 51 BL (RANW_BL_51)
13,15	4+60.00	LT	6.3	RTE 51 BL (RANE_BL_51)
13,15	4+30.00	RT	6.0	RTE 51 BL (RASW_BL_51)
13,15	4+20.00	LT	12.3	RTE 51 BL (RASE_BL_51)
		TOTAL	92.5	
		USE	93	

MOBILIZATION - LUMP SUM 1

LUMP SUM 1

CONTRACTOR FURNISHED SURVEYING

LUMP SUM 1

TINTED 6 INCH INTEGRAL CURB, TYPE A

SHEET	STA	STA	LOC	FT	REMARKS
4,5,13	0+00.00	2+51.33	LT	251.3	ROUND ABOUT (RA_IC_1)
4,5,13	0+00.00	2+51.33	LT	251.3	ROUND ABOUT (RA_IC_2)
			TOTAL	502.6	
			USE	503	

BYPASSES

SHEET	STA	STA	OPTIONAL PAVEMENT SY	OPTIONAL BASE SY	BP-1 PG64-22 2.034 TON/CY TONS	TACK 0.08 GAL/SY GAL	MOD LINEAR GRADING CLASS 2 STA	ESTIMATED FILL CY	ESTIMATED CUT CY	DEPTH TRANSITION SY	MILL FILL SY	REMARKS
17	419+00	426+50	1356.8				7.8	1383				BYPASS 1
18	0+00	19+57		929.3	581.4	411.6	9.7		155	444.4	774.6	BYPASS 2, USE WIDENING TREATMENT TO REPAIR AREAS OF EXISTING ROAD AS DIRECTED BY ENGINEER
19	421+56	422+21	165.8				0.7	41.5				BYPASS 3
		TOTAL	1522.6	929.3	581.4	411.6	18.2			444.4	774.6	
		USE	1522.6	929.3	581.4	412	18.2			444	775	

NOTE : COMMERCIAL ASPHALT MAY BE SUBSTITUTED FOR ALL ASPHALT QUANITIES SHOWN FOR BYPASSES AT APPROVAL OF THE RESIDENT ENGINEER.

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10:28:2024 1:27:33 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED 10/28/2024

ROUTE	STATE
72/51	MO

DISTRICT	SHEET NO.
SE	3

COUNTY: BOLLINGER

JOB NO. J9P3842

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SUMMARY OF QUANTITIES
SHEET 2 OF 5

2 INCH CLEAN ROCK (9 IN DEEP)

SHEET	FURNISHING & PLACING CY	SEPARATION GEOTEXTILE SY	REMARKS
4,5	176.7	730.6	CENTER OF ROUND ABOUT
TOTAL	176.7	730.6	
USE	177	731	

NOTE: SEE JSP FOR 9" CLEAN ROCK

TYPE 2 ROCK DITCH LINER (1.5 FT DEEP)

SHEET	STA	LOC	FURNISHING CY	PLACING CY	SEPARATION GEOTEXTILE SY	REMARKS
13,15	3+16.51	LT	3.3	3.3	13.0	WEST LEG ROUTE 72 (RANW_BL_72)
13,15	3+12.19	RT	6.4	6.4	20.9	WEST LEG ROUTE 72 (RASW_BL_72)
13,15	4+40.00	LT	5.6	5.6	18.8	EAST LEG ROUTE 72 (RANE_BL_72)
13,15	4+40.00	RT	5.0	5.0	17.3	EAST LEG ROUTE 72 (RASE_BL_72)
13,15	4+38.50	RT	5.6	5.6	18.8	NORTH LEG ROUTE 51 (RANW_BL_51)
13,15	4+40.00	LT	5.0	5.0	17.3	NORTH LEG ROUTE 51 (RANE_BL_51)
13,15	4+30.00	RT	5.0	5.0	17.3	SOUTH LEG ROUTE 51 (RASW_BL_51)
13,15	4+20.00	LT	5.0	5.0	17.3	SOUTH LEG ROUTE 51 (RASE_BL_51)
		TOTAL	41	41	141	
		USE	41	41	141	

TEMPORARY PAVEMENT MARKING

SHEET	STA	STA	WATERBORNE PAINT TYPE P BEADS 4 IN YELLOW LF	4 IN WHITE LF	24 IN WHITE LF	TEMPORARY REMOVABLE MARKING TAPE 4 IN YELLOW LF	4 IN WHITE LF	24 IN WHITE LF	PAVMT MARKING REMOVAL LF	REMARKS
21	412+00	435+00	8558		36	1000		36	1036	BYPASS 1(USE TEMPORARY TAPE ON ROADWAY THAT WILL NOT BE REMOVED)
22	0+00	19+57	3614							BYPASS 2
23	421+56	422+21		375			200		200	BYPASS 3(USE TEMPORARY TAPE ON ROADWAY THAT WILL NOT BE REMOVED)
		TOTAL	12172	375	36	1000	200	36	1236	
		USE	12172	375	36	1000	200	36	1236	

SEED AND MULCH

SHEET	STA	STA	SEED AC	MULCH AC	REMARKS
24	417+05.46	422+00.00	0.19	0.19	WEST LEG ROUTE 72
24	422+00.00	423+75.00	0.40	0.40	EAST LEG ROUTE 72
25	321+00.00	325+78.29	0.29	0.29	NORTH LEG ROUTE 51
25	328+60.82	332+75.96	0.24	0.24	SOUTH LEG ROUTE 51
		TOTAL	1.12	1.12	
		USE	1.1	1.1	

EROSION CONTROL

SHEET	STA	STA	ROCK DITCH CHECK LF	SILT FENCE LF	TEMP SEEDING AC	REMARKS
24	417+05.46	422+00.00	10	1100	0.21	WEST LEG ROUTE 72
24	422+00.00	423+75.00	40	870	0.24	EAST LEG ROUTE 72
25	321+00.00	325+78.29	90	1090	0.10	NORTH LEG ROUTE 51
25	328+60.82	332+75.96	40	480	0.10	SOUTH LEG ROUTE 51
		TOTAL	180	3540	0.65	
		USE	180	3540	0.7	

DRAINAGE STRUCTURES

SHEET	STA	GROUP A PIPE 18" FT	24" FT	GROUP A FES 18" EA	24" EA	CLASS 3 EXC CY	REMARKS
4,5,37	326+49.00	100		2		45	NORTH LEG ROUTE 51
4,5,38	330+89.15		62		2	30	SOUTH LEG ROUTE 51
	TOTAL	100	62	2	2	75	
	USE	100	62	2	2	75	

PERMANENT PAVEMENT MARKING

SHEET	STA	STA	PREFORMED THERMOPLASTIC PAVEMENT MARKING 4 IN YELLOW LF	6 IN WHITE LF	6 IN DOTTED WHITE LF	24 IN YELLOW LF	24 IN YIELD EA	REMARKS
33	417+05.46	422+00.00	1186	1095	3		8	WEST LEG ROUTE 72
34	422+00.00	423+75.00	1358	1373	3	41	8	EAST LEG ROUTE 72
35	321+00.00	325+78.29	1318	1261	3	36	8	NORTH LEG ROUTE 51
36	328+60.82	332+75.96	1056	1041	3		8	SOUTH LEG ROUTE 51
		TOTAL	4918	4770	12	77	32	
		USE	4918	4782		77	32	

NOTE: SEE JSP FOR 24" YEILD LINE

STAGING

SHEET	STA	STA	TEMPORARY SURFACING CY	BP-1 PG64-22 2.034 TONS/CY WEDGING TONS	REMARKS
4,5	328+60.82	332+75.96	100	316.4	SOUTH LEG ROUTE 51
4,5	417+05.46	422+00.00	100	316.4	WEST LEG ROUTE 72
4,5	423+75.00	429+46.00	100	316.4	EAST LEG ROUTE 72
		TOTAL	300	949.2	
		USE	300	949.2	

NOTE: COMMERCIAL ASPHALT MAY BE SUBSTITUTED FOR ASPHALT WEDGING.

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10:28:2024 1:27:10 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED 10/28/2024
ROUTE 72/51 STATE MO
DISTRICT SE SHEET NO. 3
COUNTY BOLLINGER
JOB NO. J9P3842
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

SUMMARY OF QUANTITIES
SHEET 3 OF 5

LIGHTING PULL BOXES

SHEET	PULL BOX NO	CIRCUIT	STA	ALIGN	LOC	PREFORMED DRAIN TYPE 1 CL 1 EA	REMARKS
26	1	1	425+07	RTE 72	25' LT	1	
26	2	1	425+14	RTE 72	29' RT	1	
26	3	2	325+25	RTE 51	20' LT	1	
26	4	2	325+25	RTE 51	29' RT	1	
26	5	2	419+93	RTE 72	20' LT	1	
26	6	2	419+88	RTE 72	24' RT	1	
					TOTAL	6	
					USE	6	

LIGHTING CABLE

SHEET	FROM	TO	CTC DISTANCE FT	CIRCUIT	1" CABLE CONDUIT 2C,1BN #8 AWG LF	REMARKS
26	CONT	104	917.0	1	979	INCLUDES SPLIT TO 102
26	CONT	204	793.2	2	867	
				SUBTOTAL	1846	
				5% FOR SNAKING	92	
				TOTAL	1938	
				USE	1940	

EACH RUN CONSISTS OF 2 CONDUCTORS, 1 BARE NEUTRAL AND A TRACER WIRE. THE TRACER SHALL BE PAID FOR AS A BARE NEUTRAL.

LIGHTING POLES AND WIRING

SHEET	POLE NO	CIRCUIT	STA	ALIGN	LOC	45' POLE TYPE AT EA	LUMINAIRE LED-B EA	BRACKET ARM 6' EA	45' POLE FOUNDATION EA	POLE & BRACKET 1C #10 AWG LF	REMARKS
26	101	1	423+72	RTE 72	35' LT	1	1	1	1	102	
26	102	1	426+30	RTE 72	29' LT	1	1	1	1	102	
26	103	1	328+05	RTE 51	69' LT	1	1	1	1	102	
26	104	1	330+27	RTE 51	27' LT	1	1	1	1	102	
26	201	2	325+31	RTE 51	29' RT	1	1	1	1	102	
26	202	2	326+79	RTE 51	55' RT	1	1	1	1	102	
26	203	2	419+95	RTE 72	25' RT	1	1	1	1	102	
26	204	2	422+09	RTE 72	55' RT	1	1	1	1	102	
					SUBTOTAL	8	8	8	8	816	
					5% FOR SNAKING					40.8	
					TOTAL	8	8	8	8	857	
					USE	8	8	8	8	860	

LIGHTING CABLE CONDUIT TRENCHING

SHEET	FROM	TO	CIRCUIT	TRENCHING TYPE 1 LF	REMARKS
26	PB(EXIST)	101	1	17.5	
26	101	1	1	145.1	
26	1	102	1	122.7	
26	2	103	1	191.8	
26	103	104	1	237.2	
26	PB(EXIST)	3	2	34.6	
26	4	201	2	6.2	
26	201	EDGE OF ENTRANCE	2	17.4	
26	EDGE OF ENTRANCE	202	2	94.8	
26	202	5	2	261.4	
26	6	203	2	6.2	
26	203	204	2	228.2	
			TOTAL	1363.1	
			USE	1363	

LIGHTING CONDUIT

SHEET	FROM	TO	CENTER TO CENTER DISTANCE FT	CIRCUIT	3" PUSHED LF	REMARKS
26	PB(EXIST)	101	17.5	1		
26	101	1	145.1	1		
26	1	102	122.9	1		
26	1	2	53.7	1	51.7	
26	2	103	191.8	1		
26	103	104	237.2	1		
26	PB(EXIST)	3	34.6	2		
26	3	4	49.4	2	47.4	
26	4	201	6.2	2		
26	201	EDGE OF ENTRANCE	17.4	2		
26	EDGE OF ENTRANCE	EDGE OF ENTRANCE	43.8	2	43.8	
26	EDGE OF ENTRANCE	202	94.8	2		
26	202	5	261.4	2		
26	5	6	44.6	2	42.6	
26	6	203	6.2	2		
26	203	204	228.2	2		
				TOTAL	186.0	
				USE	186	

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:26:34 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED: 10/28/2024
ROUTE: 72/51
STATE: MO
DISTRICT: SE
SHEET NO.: 3
COUNTY: BOLLINGER
JOB NO.: J9P3842
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

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

SUMMARY OF QUANTITIES
SHEET 4 OF 5

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00	4	64.00				SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00	4	64.00				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	2	32.00				UNEVEN LANES
WO8-12	48X48	16.00	2	32.00				NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	6	96.00				ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00	3	48.00				DETOUR AHEAD
WO20-3	48X48	16.00	4	64.00				ROAD CLOSED 2@1000FT,2@500FT
WO20-4	48X48	16.00	6	96.00				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	2	32.00				FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00						SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00						END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	4	24.00				WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00	1	12.00				DETOUR (LEFT)
MO4-9R	48X36	12.00	1	12.00				DETOUR (RIGHT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	10	120.00				SPEED LIMIT 4@35, 4@55,2@25
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	2	12.00				WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75	2	13.50				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	4	24.00				STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00	11	110.00				ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-8	48X36	12.00						WORK ZONE NO PHONE ZONE
	60X36	15.00	15	225.00				DETOUR BLANK

	TOTAL
616-10.05 CONSTRUCTION SIGNS	1081
616-10.10 RELOCATED SIGNS	***

EFFECTIVE: 07-01-2024

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123001		TRUCK MOUNTED ATTENUATOR (TMA)
6161008		ADVANCED WARNING RAIL SYSTEM
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	100	CHANNELIZER (TRIM LINE)
6161030	35	TYPE III MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040		FLASHING ARROW PANEL
6161047		TYPE III 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	2	TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D	*1300	TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A	* 2	TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A	***	RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
61699.02	**1	PORTABLE TRAFFIC SIGNAL SYSTEM

TEMPORARY TRAFFIC CONTROL
616-99.01
LUMP SUM 1

* ITEMS NOT INCLUDED IN LUMP SUM TEMPORARY TRAFFIC CONTROL.

** PORTABLE TRAFFIC SIGNAL SYSTEM SHALL BE PAID FOR AS EACH FOR THE ENTIRE PROJECT, REGAURDLESS OF HOW MANY SIGNALS ARE USED. ANY REQUIREMENT TO RELOCATE THE SIGNALS DUE TO STAGING SHALL BE CONSIDERED AS INCIDENTAL TO CONSTRUCTION.

*** NO DIRECT PAY FOR RELOCATING TEMPORAY TRAFFIC CONTROL DEVICES.

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
11/06/2024 8:02:05 AM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED: 11/6/2024

ROUTE	STATE
72/51	MO
DISTRICT	SHEET NO.
SE	3

COUNTY: BOLLINGER

JOB NO.: J9P3842

CONTRACT ID.

PROJECT NO.

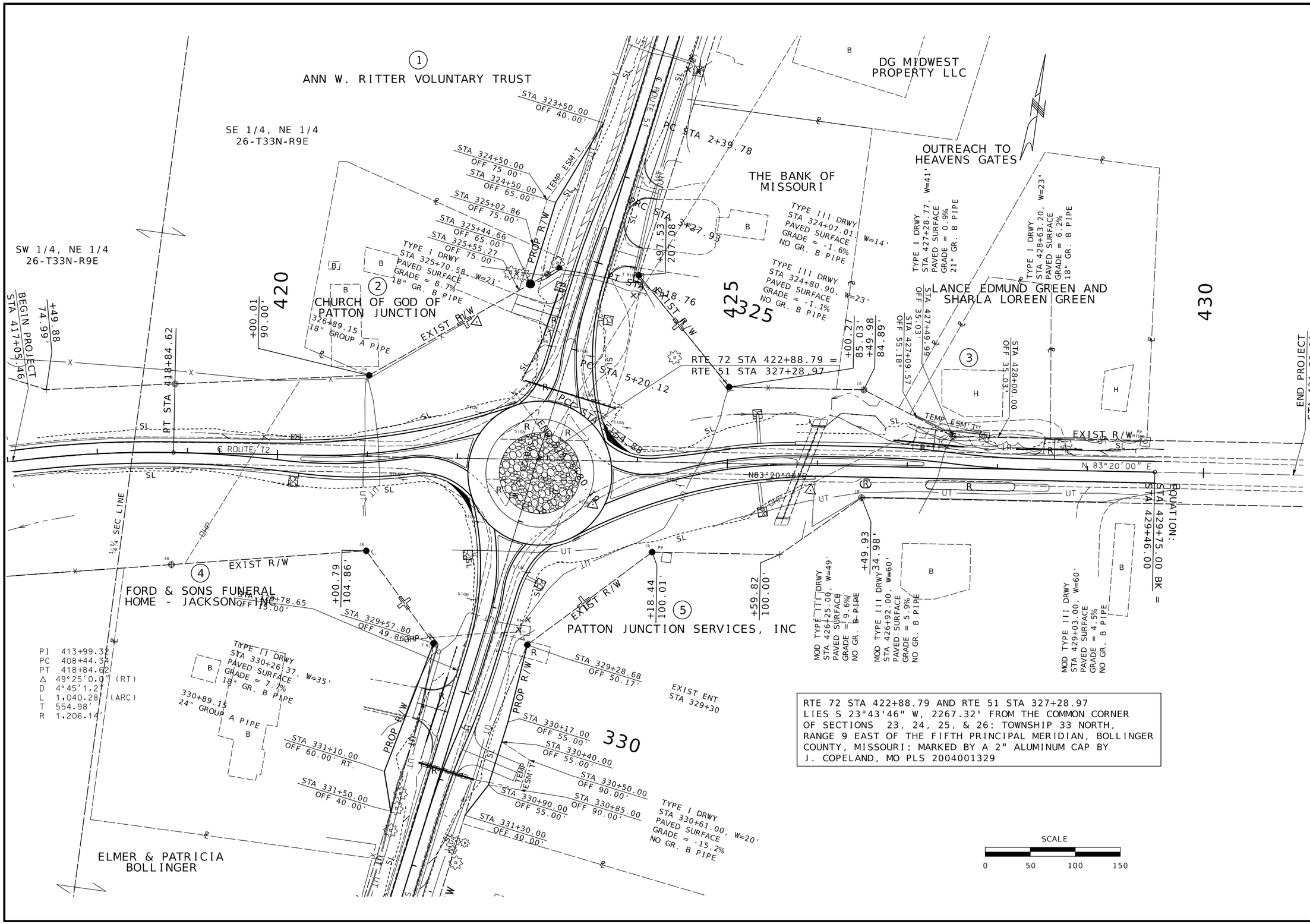
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SUMMARY OF QUANTITIES
SHEET 5 OF 5



RTE 72 STA 422+88.79 AND RTE 51 STA 327+28.97 LIES S 23°43'46" W, 2267.32' FROM THE COMMON CORNER OF SECTIONS 23, 24, 25, & 26: TOWNSHIP 33 NORTH, RANGE 9 EAST OF THE FIFTH PRINCIPAL MERIDIAN, BOLLINGER COUNTY, MISSOURI: MARKED BY A 2" ALUMINUM CAP BY J. COPELAND, MO PLS 2004001329

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:25:27 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

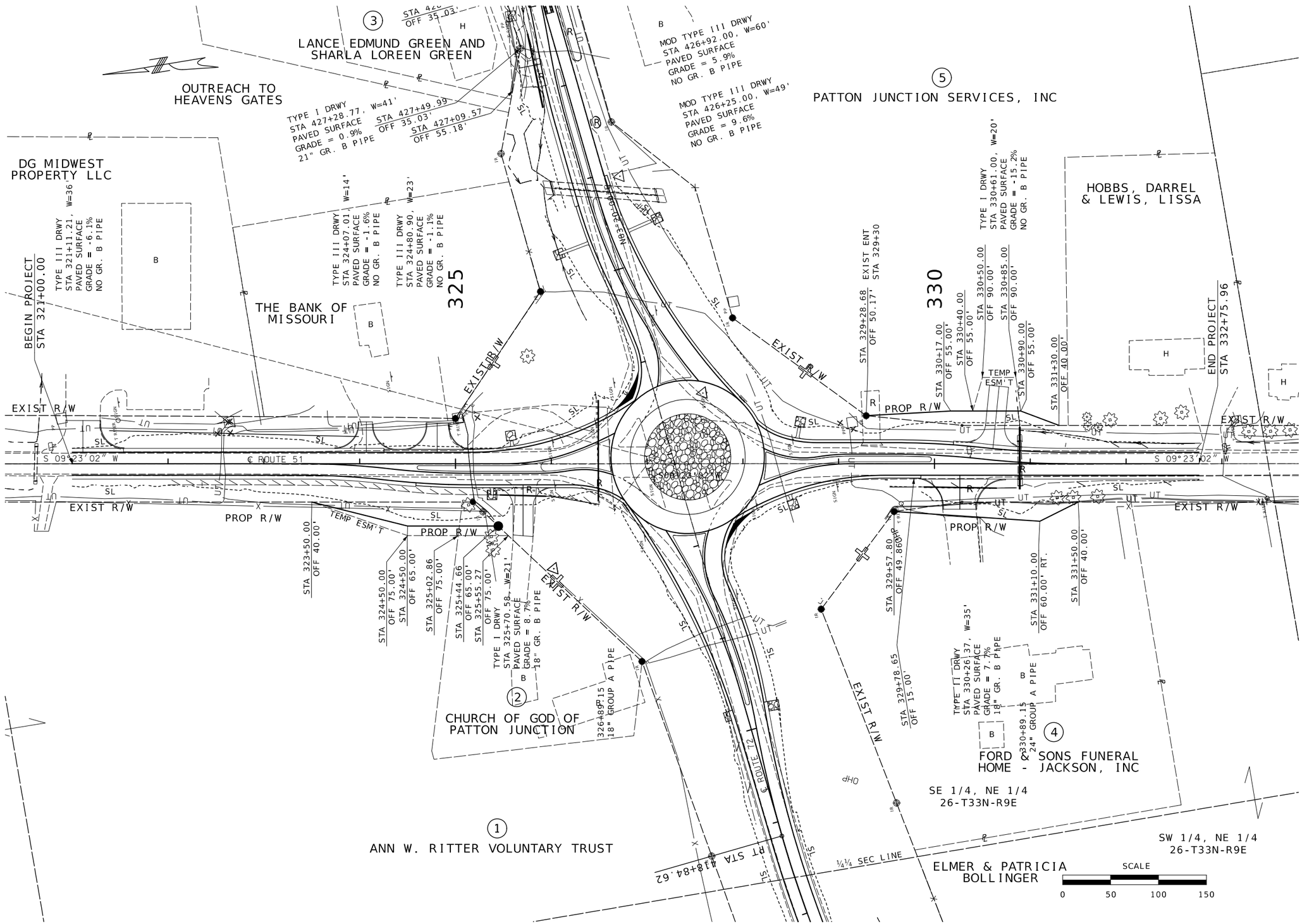
DATE PREPARED	
10/22/2024	
ROUTE 72/51	STATE MO
DISTRICT SE	SHEET NO. 4
COUNTY BOLLINGER	
JOB NO.	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

RTE 72
PLAN SHEET
1 OF 2



STATE OF MISSOURI
TIMOTHY CHRISTOPHER PECKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:24:57 PM
TIMOTHY CHRISTOPHER PECKETT - CIVIL
MO-PE-2017000351

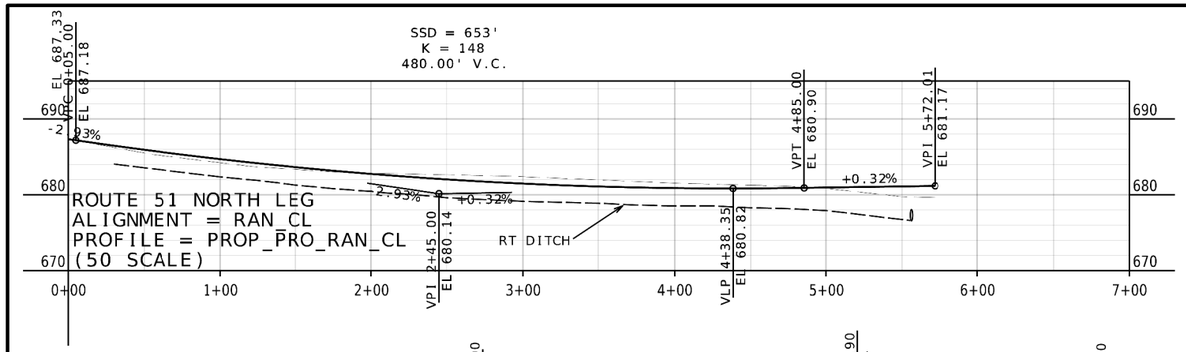
DATE PREPARED	10/22/2024
ROUTE 72/51	STATE MO
DISTRICT SE	SHEET NO. 5
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

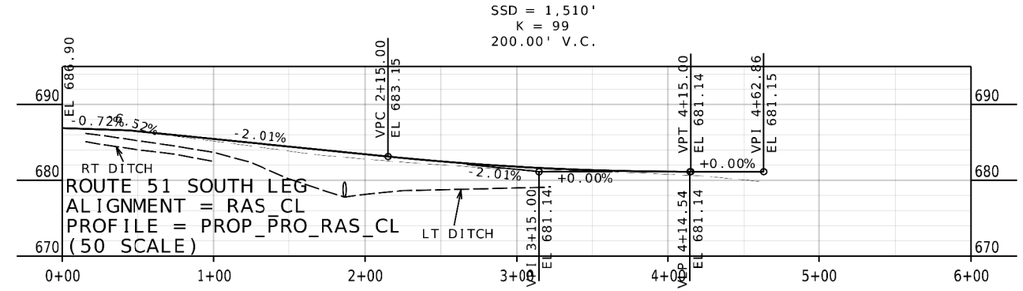
DATE	DESCRIPTION

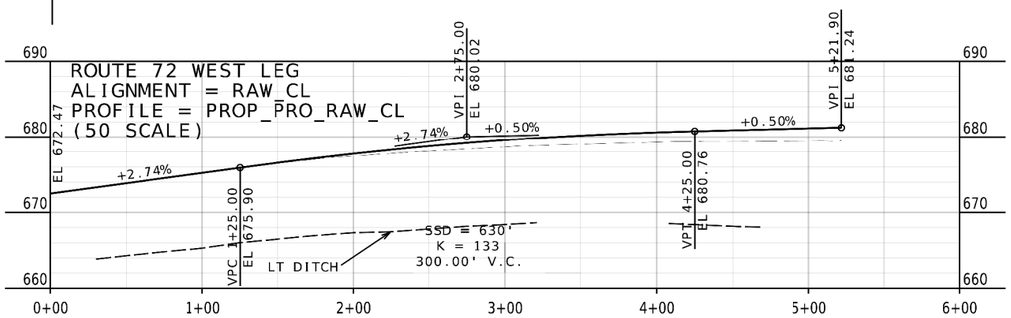
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

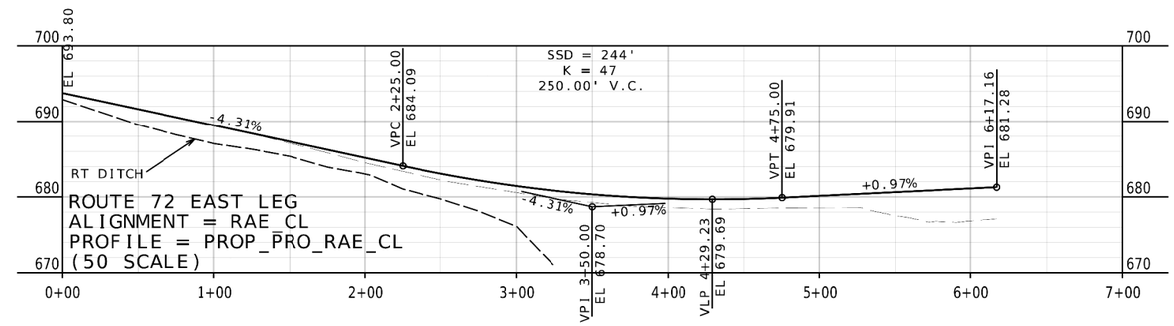
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

RTE 51
PLAN SHEET
2 OF 2





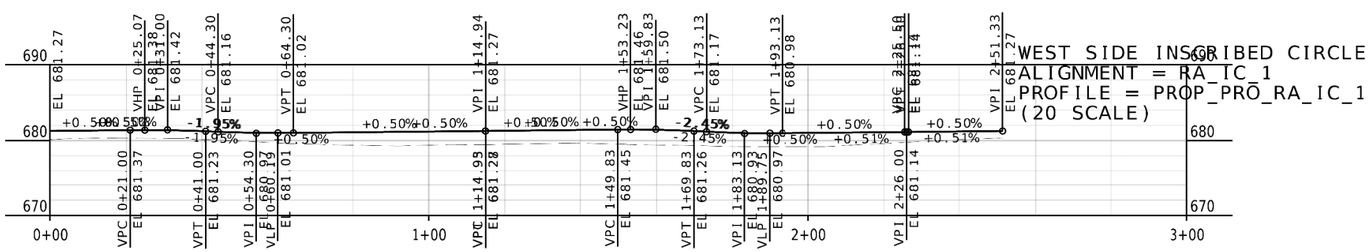




SSD = 320'
K = 8
20.00' V.C.

SSD = 192'
K = 7
20.00' V.C.

K = 49,774
1.00' V.C.



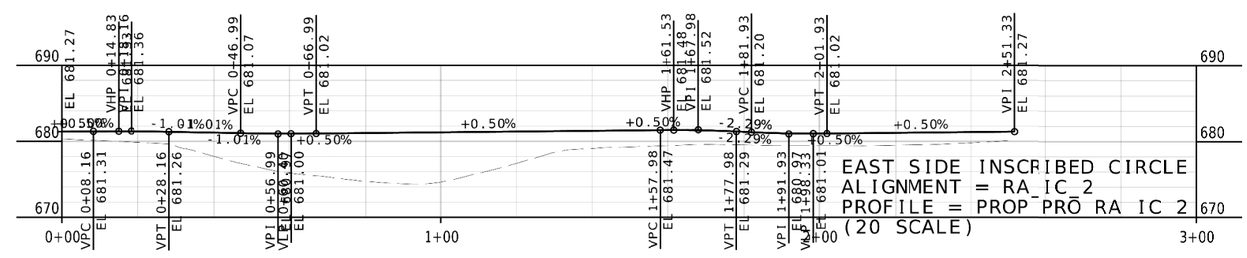
SSD = 451'
K = 8
20.00' V.C.

SSD = 634,061'
K = 8
0.01' V.C.

SSD = 376'
K = 7
20.00' V.C.

K = 13
20.00' V.C.

SSD = 218'
K = 7
20.00' V.C.



SSD = 724'
K = 13
20.00' V.C.

SSD = 397'
K = 7
20.00' V.C.

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
02/28/2024 1:24:37 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	10/22/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	6
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

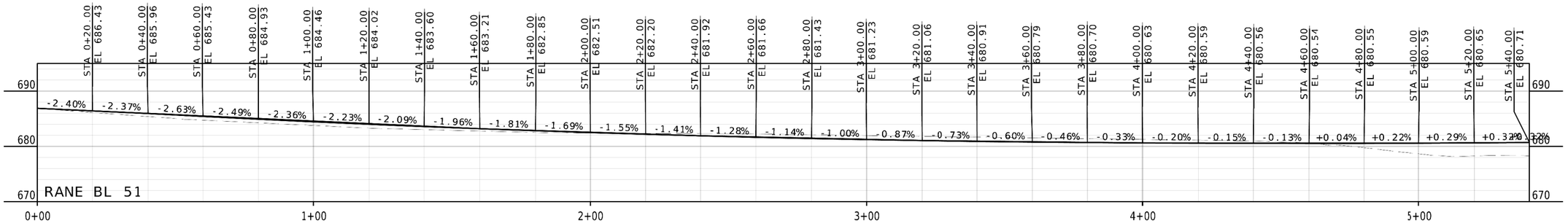
DESCRIPTION

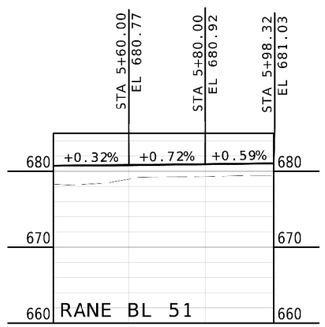
DATE

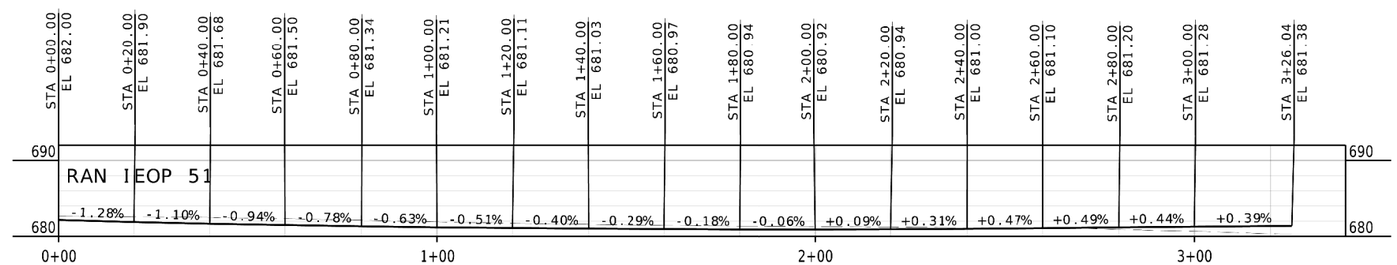
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

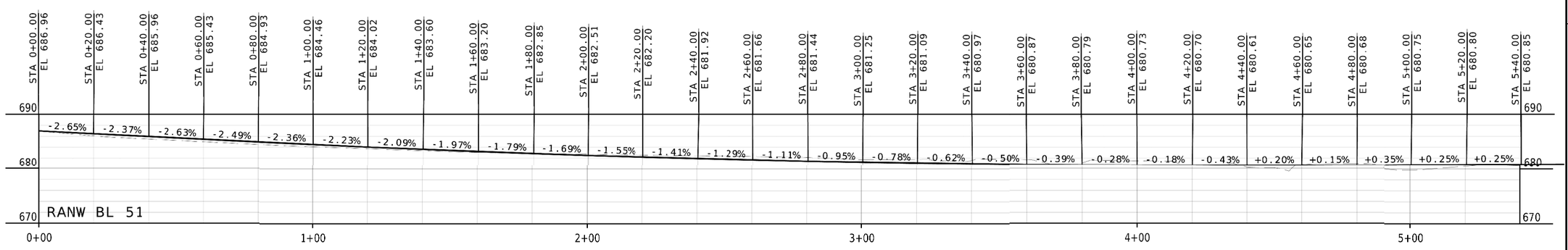
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

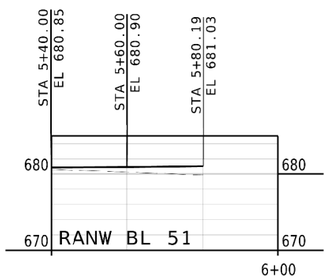
PROFILE SHEET
1 OF 5











STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:10:41 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

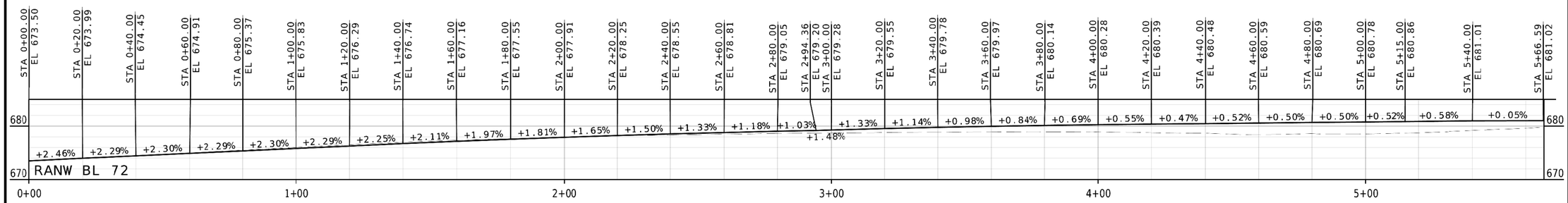
DATE PREPARED	10/22/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	7
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

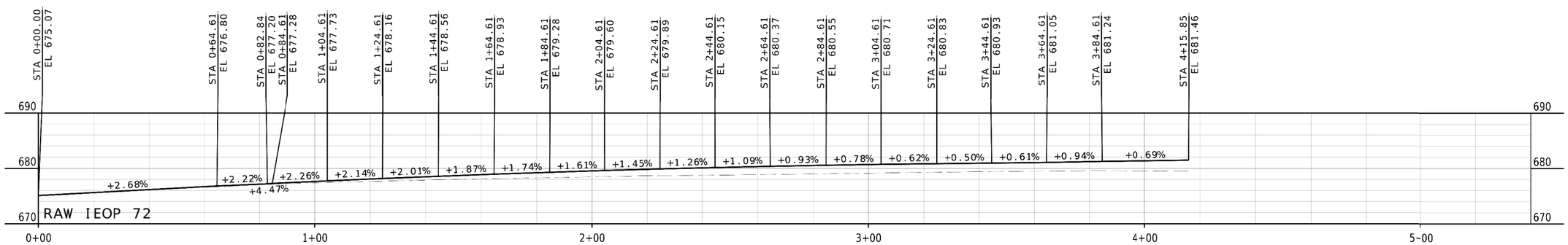
DATE	DESCRIPTION

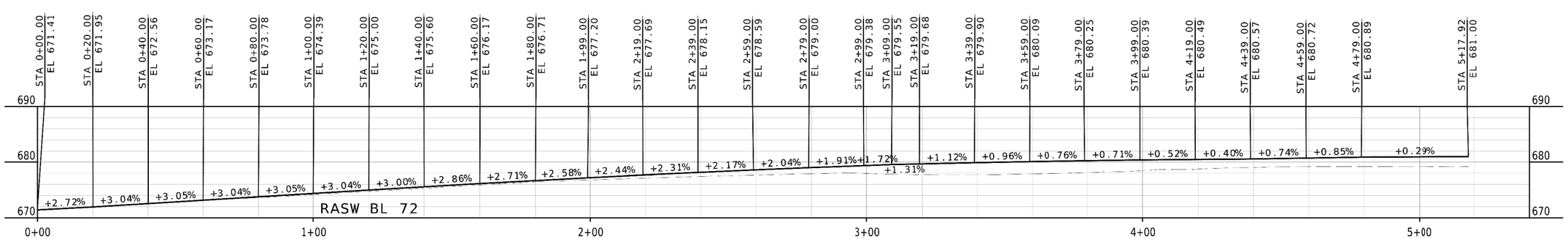
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PROFILE SHEET
2 OF 5







STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

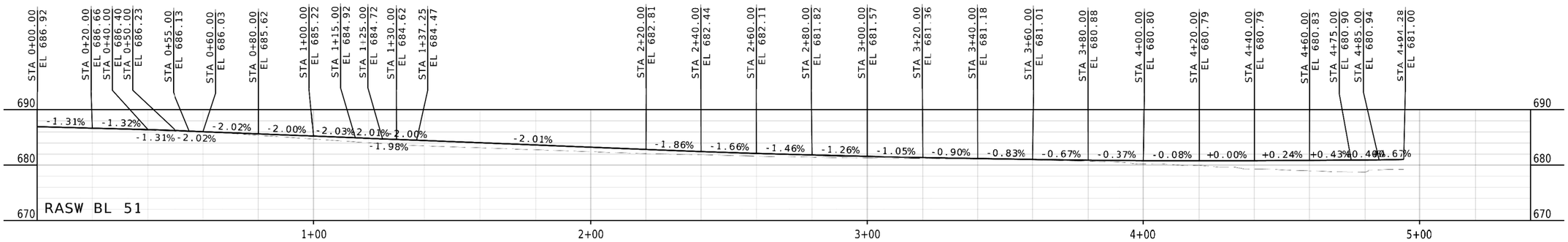
10/28/2024 1:10:01 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

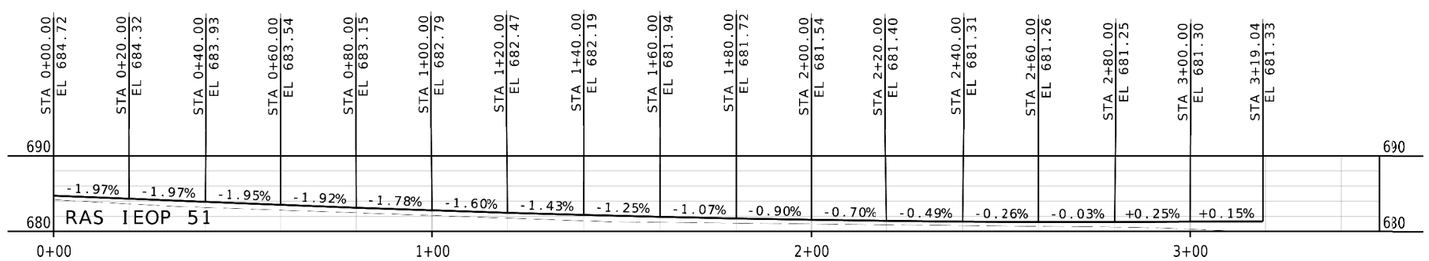
DATE PREPARED	10/22/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	8
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

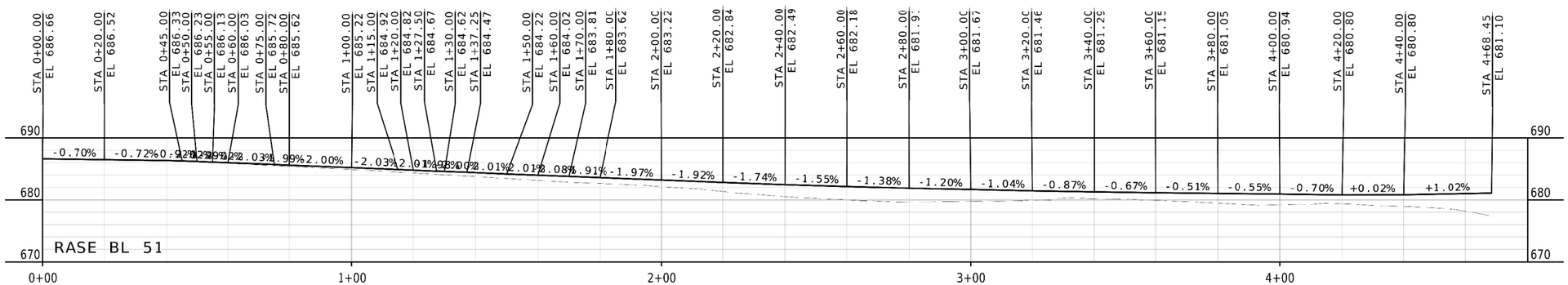
DATE	DESCRIPTION

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

PROFILE SHEET
3 OF 5







STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:09:34 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

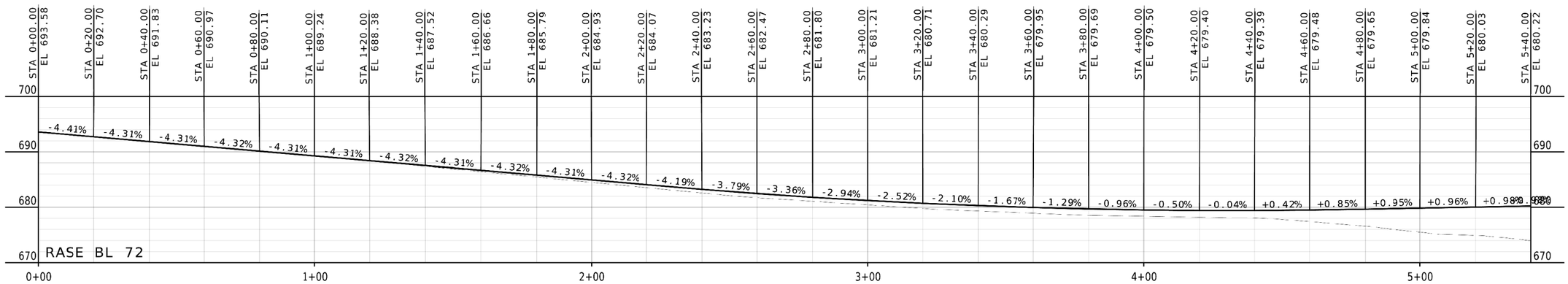
DATE PREPARED	
10/22/2024	
ROUTE	STATE
72/51	MO
DISTRICT	SHEET NO.
SE	9
COUNTY	
BOLLINGER	
JOB NO.	
J9P3842	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

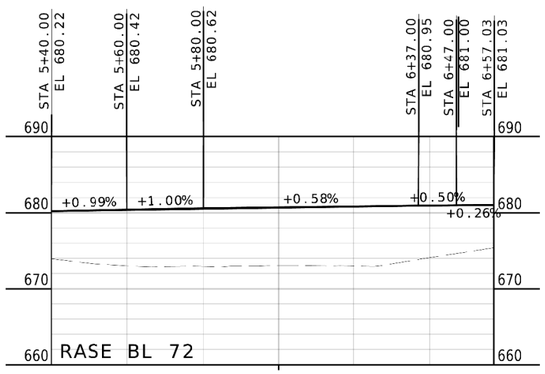
DATE	DESCRIPTION

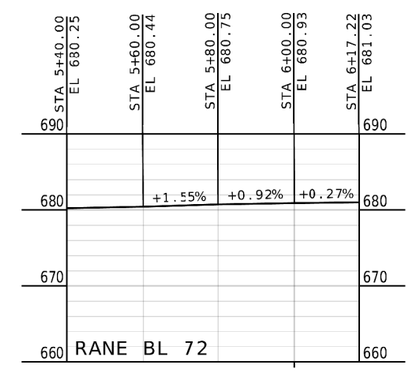
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

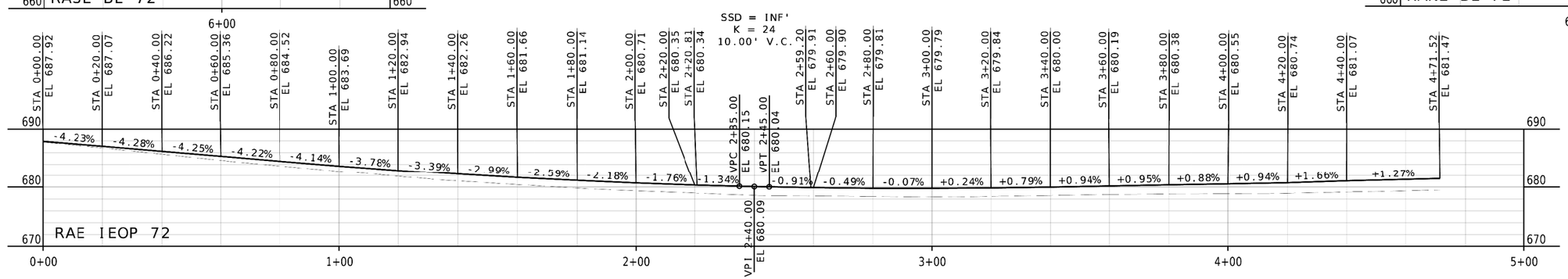
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

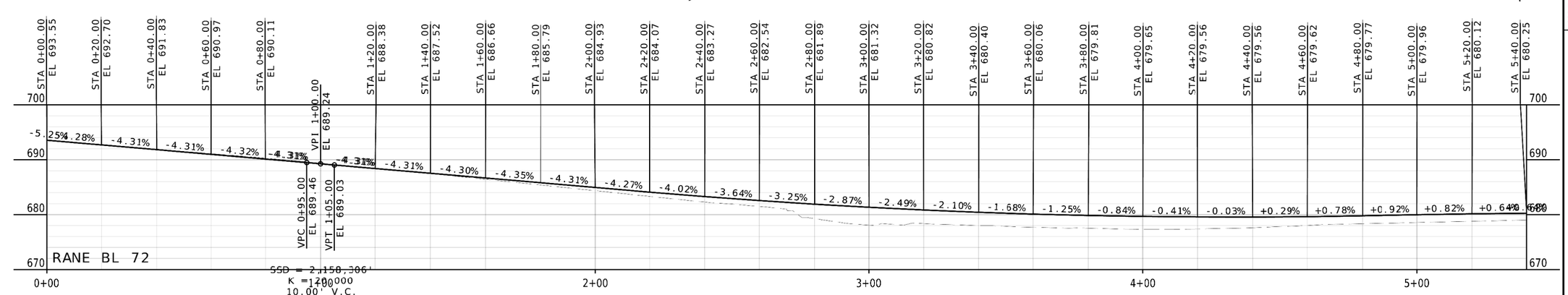
PROFILE SHEET
4 OF 5











STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/22/2024 1:05:05 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	10/22/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	10
COUNTY	BOLLINGER
JOB NO.	J9P3842
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)

PROFILE SHEET
5 OF 5

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES, MULTIPY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION	
COORDINATE SYSTEM	MO SPC 83
HORIZONTAL DATUM	NAD83 2011
VERTICAL DATUM	MODOT GNSS NETWORK
GEOID MODEL	2018
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING
PROJECT PROJECTION FACTOR	1.00000000

REFERENCE CONTROL INFORMATION	
COORDINATE SYSTEM	MO SPC 83
CONTROL STATION	MOPT
DESIGNATION	MOPT PATTON CORS ARP
CORS_ID	MOPT
PID	DR7391
LATITUDE	373127.91539
LONGITUDE	900047.19032
NORTHING (M)	187761.6660
EASTING (M)	293036.8440
ZONE	EAST
PROJECT AVERAGE GRID FACTOR	1.00000000

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING
PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING

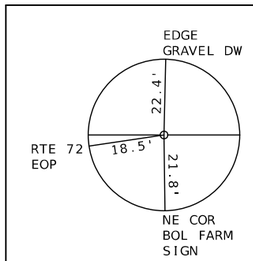
EXAMPLE: CONTROL POINT #___
N _____.____ X _._____ = N _____.___
E _____.____ X _._____ = E _____.___

LINEAR UNIT CONVERSION

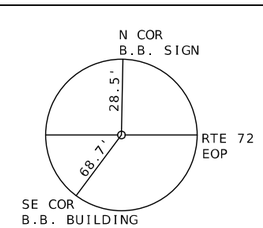
1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

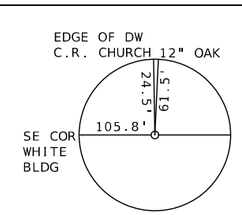
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
				614,258.1870	962,777.8480	693.960	5/8" Rebar w/ Pink Modot Cap	CP100
				614,187.1210	961,551.6350	698.443	5/8" Rebar w/ Pink Modot Cap	CP101
				614,199.3950	960,677.7590	687.731	5/8" Rebar w/ Pink Modot Cap	CP102
				612,794.1110	958,915.3770	683.214	5/8" Rebar w/ Pink Modot Cap	CP103
ALIGNMENTS								



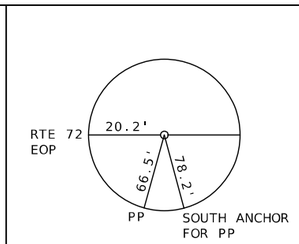
CONTROL POINT #100



CONTROL POINT #101



CONTROL POINT #102



CONTROL POINT #103

BM#1 ELEV 694.05
□ SW COR CONC PAD BOLLINGER FARMS SIGN

BM#2 ELEV 698.64
□ SW COR CONC PAD SIGN POST BASE

BM#3 ELEV 679.71
PINK □ S END 18" CMP, CROSSROADS CH ENT

BM#4 ELEV 683.22
PINK □ S END 18" CMP, FIELD ENT NEAR CP #104

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/08/2024 1:05:35 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED 10/22/2024
ROUTE 72/51 | STATE MO
DISTRICT SE | SHEET NO. 11
COUNTY BOLLINGER
JOB NO. J9P3842
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)

REFERENCE POINT
SHEET 1 OF 1

COORDINATE POINTS (ALIGNMENTS)

RAS_CL (BL FOR RTE 51 SOUTH LEG)

LOC	STA	Y-N	X-E
POT	0+00.00	613517.1765	960676.0429
PI	3+96.79	613908.6527	960740.7374
PC	3+64.48	613876.782	960735.4705
PCC	4+28.54	613940.5609	960735.7031
CC		613909.3913	960538.1468
PI	4+45.71	613957.5287	960733.0259
PCC	4+28.54	613940.5609	960735.7031
PT	4+62.86	613974.1094	960728.5366
CC		613891.0013	960421.5887

RAS_IEOP_51 (BL FOR RTE 51 SOUTH LEG)

LOC	STA	Y-N	X-E
PI	0+44.79	613696.7821	960705.7241
PC	0+00.00	613652.5900	960698.4210
PRC	0+89.49	613739.8826	960717.9146
CC		613522.1529	961487.7157
PI	1+34.28	613782.9832	960730.1052
PRC	0+89.49	613739.8826	960717.9146
PT	1+78.98	613827.1752	960737.4082
CC		613957.6124	959948.1135
PI	2+44.63	613891.9472	960748.1123
PC	2+27.61	613875.1516	960745.3367
PRC	2+61.58	613908.9707	960748.1464
CC		613909.3913	960538.1468
PI	2+91.33	613938.7195	960748.2060
PRC	2+61.58	613908.9707	960748.1464
PT	3+19.04	613962.5725	960765.9833
CC		613908.7904	960838.1462

RASE_BL_51 (BL FOR RTE 51 SOUTH LEG)

LOC	STA	Y-N	X-E
POT	0+00.00	613515.2200	960687.8823
PI	1+81.37	613694.1626	960717.4540
PC	1+37.25	613650.6335	960710.2605
PRC	2+25.40	613736.6167	960729.4617
CC		613522.1529	961487.7157
PI	2+70.86	613780.3638	960741.8350
PRC	2+25.40	613736.6167	960729.4617
PT	3+16.23	613825.2187	960749.2477
CC		613957.6124	959948.1135
PI	4+17.06	613924.7017	960765.6880
PC	3+99.19	613907.0700	960762.7742
PCC	4+34.67	613940.7192	960773.6129
CC		613887.5045	960881.1684
PI	4+51.88	613956.1432	960781.2442
PCC	4+34.67	613940.7192	960773.6129
PT	4+68.45	613966.4495	960795.0252
CC		613908.7904	960838.1462

COORDINATE POINTS (ALIGNMENTS)

RASW_BL_51 (BL FOR RTE 51 SOUTH LEG)

LOC	STA	Y-N	X-E
POT	0+00.00	613519.1331	960664.2035
PI	4+13.03	613926.6338	960731.5462
PC	3+27.33	613842.0873	960717.5742
PT	4+94.28	614005.8041	960698.7534
CC		613891.0013	960421.5887

RASE_BL_72 (BL FOR RTE 72 EAST LEG)

LOC	STA	Y-N	X-E
POT	0+00.00	614124.5874	961448.1933
PI	5+10.58	614065.3125	960941.0641
PC	3+57.77	614083.0530	961092.8431
PT	6+57.03	613977.1305	960816.2622
CC		613487.1099	961162.4988

RAE_CL (BL FOR RTE 72 EAST LEG)

LOC	STA	Y-N	X-E
POT	0+00.00	614136.5063	961446.8002
PI	4+75.67	614081.2838	960974.3416
PC	3+94.92	614090.6592	961054.5528
PCC	5+55.05	614047.1333	960901.1604
CC		613594.0400	961112.5992
PI	5+86.13	614033.9902	960872.9959
PCC	5+55.05	614047.1333	960901.1604
PT	6+17.16	614018.0877	960846.2922
CC		613487.1099	961162.4988

RAE_IEOP_72 (BL FOR RTE 72 EAST LEG)

LOC	STA	Y-N	X-E
PI	0+44.79	614115.4815	961266.9214
PC	0+00.00	614120.6814	961311.4099
PRC	0+89.49	614115.2802	961222.1304
CC		614915.2721	961218.5356
PI	1+34.28	614115.0789	961177.3395
PRC	0+89.49	614115.2802	961222.1304
PT	1+78.98	614109.8790	961132.8509
CC		613315.2883	961225.7252
PI	3+32.12	614092.1005	960980.7467
PC	2+58.98	614100.5915	961053.3919
PRC	4+04.27	614063.5354	960913.4159
CC		613594.0400	961112.5992
PI	4+39.55	614049.7561	960880.9366
PRC	4+04.27	614063.5354	960913.4159
PT	4+71.52	614061.7204	960847.7458
CC		614146.3876	960878.2658

RTE51PRO (EXIST CL FOR RTE 51)

LOC	STA	Y-N	X-E
POT	318+00.00 R1	614973.3812	960916.6921
POT	336+87.69 R1	613110.9557	960608.9117

COORDINATE POINTS (ALIGNMENTS)

RANE_BL_72 (BL FOR RTE 72 EAST LEG)

LOC	STA	Y-N	X-E
POT	0+00.00	614148.4251	961445.4071
PI	1+80.43	614127.4783	961266.1956
PC	1+36.31	614132.6003	961310.0168
PRC	2+24.46	614127.2801	961222.0765
CC		614915.2721	961218.5356
PI	2+69.92	614127.0758	961176.6137
PRC	2+24.46	614127.2801	961222.0765
PT	3+15.29	614121.7978	961131.4578
CC		613315.2883	961225.7252
PI	4+40.97	614107.2073	961006.6277
PC	3+95.29	614112.5104	961051.9988
PRC	4+86.42	614094.1044	960962.8674
CC		613594.0400	961112.5992
PI	5+22.05	614083.8835	960928.7326
PRC	4+86.42	614094.1044	960962.8674
PCC	5+57.65	614076.1182	960893.9569
CC		615052.0821	960676.0249
PI	5+89.26	614069.2295	960863.1074
PCC	5+57.65	614076.1182	960893.9569
PT	6+17.22	614087.2771	960837.1569
CC		614146.3876	960878.2658

RANE_BL_51 (BL FOR RTE 51 NORTH LEG)

LOC	STA	Y-N	X-E
POT	0+00.00	614675.4391	960879.6176
PI	5+09.85	614172.4130	960796.4886
PC	4+15.50	614265.5010	960811.8721
PT	5+98.32	614087.2771	960837.1569
CC		614216.5871	961107.8577

RAN_CL (BL FOR RTE 51 NORTH LEG)

LOC	STA	Y-N	X-E
POT	0+00.00	614677.3957	960867.7782
PI	4+84.95	614198.9357	960788.7089
PC	4+52.65	614230.8063	960793.9758
PCC	5+16.70	614167.0275	960793.7433
CC		614198.1970	960991.2995
PI	5+44.42	614139.6413	960798.0641
PCC	5+16.70	614167.0275	960793.7433
PT	5+72.01	614113.4160	960807.0592
CC		614216.5871	961107.8577

RTE72PRO (EXIST CL FOR RTE 72)

LOC	STA	Y-N	X-E
POT	403+24.89 R1	613053.8748	959213.0507
PI	413+99.32 R1	613945.4921	959812.5692
PC	408+44.34 R1	613484.9458	959502.9004
PT	418+84.62 R1	614009.9208	960363.7920
CC		612811.9356	960503.8164
STA EQ	429+75.00 R1	614136.5063	961446.8002
STA EQ	429+46.00 R2	614136.5063	961446.8002
POT	431+97.61 R2	614165.7168	961696.7121

COORDINATE POINTS (ALIGNMENTS)

RAN_IEOP_51 (BL FOR RTE 51 NORTH LEG)

LOC	STA	Y-N	X-E
PI	0+44.79	614396.6275	960821.3791
PC	0+00.00	614440.8195	960828.6821
PRC	0+89.49	614353.5269	960809.1885
CC		614571.2567	960039.3874
PI	1+34.28	614310.4263	960796.9980
PRC	0+89.49	614353.5269	960809.1885
PT	1+78.98	614266.2343	960789.6949
CC		614135.7972	961578.9897
PI	2+62.42	614183.9094	960776.0901
PC	2+45.22	614200.8831	960778.8951
PRC	2+79.55	614166.7055	960776.0850
CC		614166.6433	960986.0850
PI	3+03.32	614142.9290	960776.0780
PRC	2+79.55	614166.7055	960776.0850
PT	3+26.04	614122.2584	960764.3287
CC		614166.7322	960686.0850

RANW_BL_51 (BL FOR RTE 51 NORTH LEG)

LOC	STA	Y-N	X-E
POT	0+00.00	614679.3523	960855.9388
PI	2+83.90	614399.2470	960809.6492
PC	2+39.78	614442.7761	960816.8427
PRC	3+27.93	614356.7929	960797.6415
CC		614571.2567	960039.3874
PI	3+73.40	614313.0458	960785.2681
PRC	3+27.93	614356.7929	960797.6415
PT	4+18.76	614268.1909	960777.8555
CC		614135.7972	961578.9897
PI	5+37.62	614150.9250	960758.4764
PC	5+20.12	614168.1946	960761.3303
PCC	5+54.88	614135.1903	960750.8083
CC		614187.7602	960642.9361
PI	5+67.67	614123.6937	960745.2056
PCC	5+54.88	614135.1903	960750.8083
PT	5+80.19	614114.8299	960735.9865
CC		614166.7322	960686.0850

RANW_BL_72 (BL FOR RTE 72 WEST LEG)

LOC	STA	Y-N	X-E
PI	0+86.52	614010.1040	960268.4384
PC	0+00.00	613987.4512	960184.9325
PT	1+72.76	614020.7247	960354.3079
CC		612811.9356	960503.8164
PI	4+31.70	614052.5091	960611.2875
PC	2+94.14	614035.6244	960474.7726
PT	5+66.59	614114.0219	960734.3224
CC		614829.5745	960376.5733

COORDINATE POINTS (ALIGNMENTS)

RAW_CL (BL FOR RTE 72 WEST LEG)

LOC	STA	Y-N	X-E
PI	0+89.74	613999.3634	960274.6796
PC	0+00.00	613975.8698	960188.0742
PT	1+79.14	614009.7811	960363.8083
CC		612811.9356	960503.8164
PI	4+02.11	614035.8055	960585.2499
PC	3+35.09	614028.0254	960518.6868
PCC	4+68.57	614058.0800	960648.4561
CC		614623.9684	960449.0311
PI	4+95.25	614066.9464	960673.6154
PCC	4+68.57	614058.0800	960648.4561
PT	5+21.90	614077.4332	960698.1436
CC		614829.5745	960376.5733

RAW_IEOP_72 (BL FOR RTE 72 WEST LEG)

LOC	STA	Y-N	X-E
PI	1+03.44	614016.2013	960381.8321
PC	0+00.00	613997.0199	960280.1846
PRC	2+06.38	614017.7928	960485.2614
CC		612811.9356	960503.8164
PI	2+76.90	614018.8778	960555.7743
PRC	2+06.38	614017.7928	960485.2614
PRC	3+46.50	614039.4232	960623.2364
CC		614517.7337	960477.5686
PI	3+83.00	614050.0577	960658.1554
PRC	3+46.50	614039.4232	960623.2364
PT	4+15.85	614033.3637	960690.6169
CC		613953.3273	960649.4566

RASW_BL_72 (BL FOR RTE 72 WEST LEG)

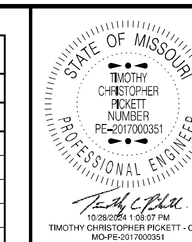
LOC	STA	Y-N	X-E
PI	1+58.34	614005.7440	960344.0357
PC	0+00.00	613964.2884	960191.2159
PRC	3+14.85	614005.9347	960502.3785
CC		612811.9356	960503.8164
PI	3+80.20	614006.0134	960567.7308
PRC	3+14.85	614005.9347	960502.3785
PRC	4+44.82	614022.8862	960630.8674
CC		614505.9344	960501.7764
PI	4+84.87	614033.2270	960669.5616
PRC	4+44.82	614022.8862	960630.8674
PT	5+17.92	614005.8041	960698.7534
CC		613953.3273	960649.4566

RA_IC_1 (BL FOR WEST SIDE INSCR CIR)

LOC	STA	Y-N	X-E
PC	0+00.00	614120.1853	960789.0659
PT	2+51.33	613964.7480	960751.1286
CC		614042.4666	960770.0973

RA_IC_2 (BL FOR EAST SIDE INSCR CIR)

LOC	STA	Y-N	X-E
PC	0+00.00	613964.7480	960751.1286
PT	2+51.33	614120.1853	960789.0659
CC		614042.4666	960770.0973



DATE PREPARED 10/22/2024

ROUTE 72/51 | STATE MO

DISTRICT SE | SHEET NO. 12

COUNTY BOLLINGER

JOB NO. J9P3842

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

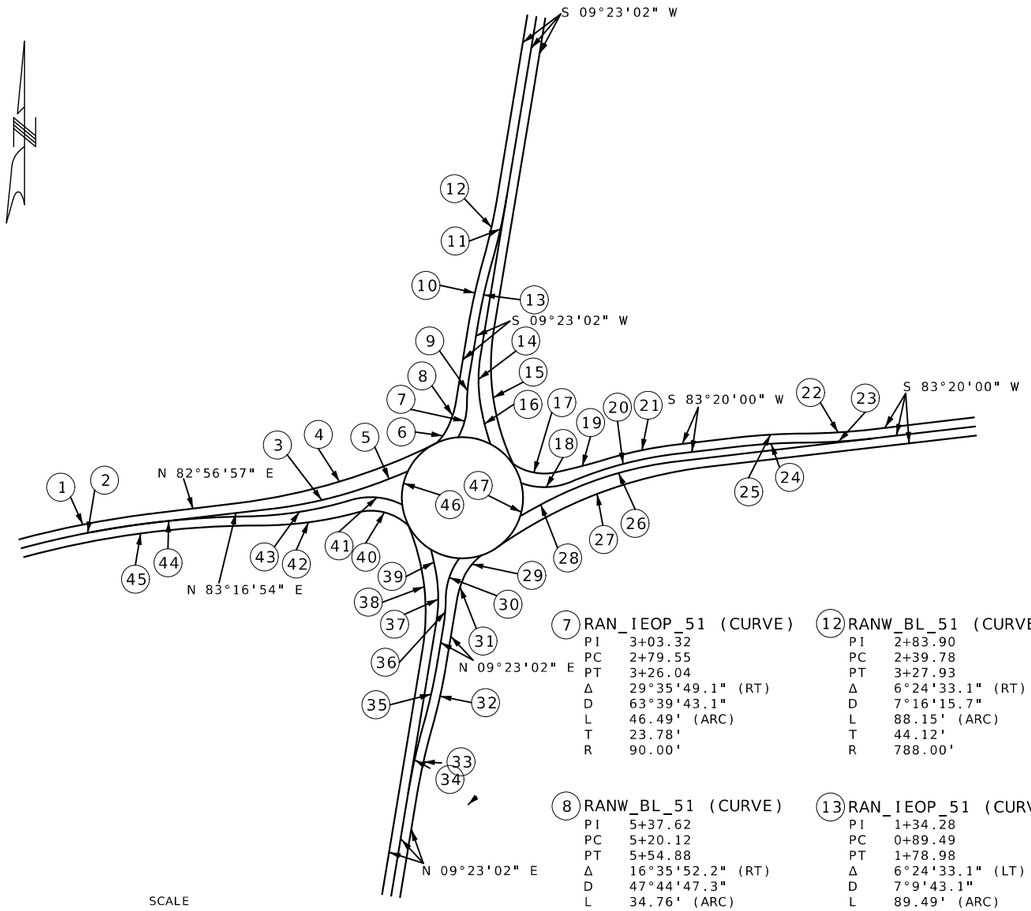
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

COORDINATE POINT
SHEET 1 OF 1



SCALE

0 100 200 300 400 500

(1) RANW_BL_72 (CURVE)

PI	0+86.52
PC	0+00.00
PT	1+72.76
Δ	8°7'36.0" (RT)
D	4°42'14.7"
L	172.76' (ARC)
T	86.52'
R	1,218.00'

(2) RAW_CL (CURVE)

PI	0+89.74
PC	0+00.00
PT	1+79.14
Δ	8°30'38.8"(RT)
D	4°45'3.2"
L	179.14' (ARC)
T	89.74'
R	1,206.00'

(3) RAW_CL (CURVE)

PI	4+02.11
PC	3+35.09
PT	4+68.57
Δ	12°44'46.8 (LT)
D	9°32'57.5"
L	133.48' (ARC)
T	67.02'
R	600.00'

(4) RANW_BL_72 (CURVE)

PI	4+31.70
PC	2+94.14
PT	5+66.59
Δ	19°30'45.1" (LT)
D	7°9'43.1"
L	272.45' (ARC)
T	137.56'
R	800.00'

(5) RAW_CL (CURVE)

PI	4+95.25
PC	4+68.57
PT	5+21.90
Δ	3°44'8.3"(LT)
D	7°0'15.7"
L	53.33' (ARC)
T	26.68'
R	818.00'

(6) RANW_BL_51 (CURVE)

PI	5+67.67
PC	5+54.88
PT	5+80.19
Δ	20°8'39.5" (RT)
D	79°34'38.9"
L	25.31' (ARC)
T	12.79'
R	72.00'

(7) RAN_IEOP_51 (CURVE)

PI	3+03.32
PC	2+79.55
PT	3+26.04
Δ	29°35'49.1" (RT)
D	63°39'43.1"
L	46.49' (ARC)
T	23.78'
R	90.00'

(8) RANW_BL_51 (CURVE)

PI	5+37.62
PC	5+20.12
PT	5+54.88
Δ	16°35'52.2" (RT)
D	47°44'47.3"
L	34.76' (ARC)
T	17.50'
R	120.00'

(9) RAN_IEOP_51 (CURVE)

PI	2+62.42
PC	2+45.22
PT	2+79.55
Δ	9°22'0.4" (LT)
D	27°17'1.3"
L	34.33' (ARC)
T	17.20'
R	210.00'

(10) RANW_BL_51 (CURVE)

PI	3+73.40
PC	3+27.93
PT	4+18.76
Δ	6°24'33.1" (LT)
D	7°3'22.1"
L	90.83' (ARC)
T	45.46'
R	812.00'

(11) RAN_IEOP_51 (CURVE)

PI	0+44.79
PC	0+00.00
PT	0+89.49
Δ	6°24'33.1" (RT)
D	7°9'43.1"
L	89.49' (ARC)
T	44.79'
R	800.00'

(12) RANW_BL_51 (CURVE)

PI	2+83.90
PC	2+39.78
PT	3+27.93
Δ	6°24'33.1" (RT)
D	7°16'15.7"
L	88.15' (ARC)
T	44.12'
R	788.00'

(13) RAN_IEOP_51 (CURVE)

PI	1+34.28
PC	0+89.49
PT	1+78.98
Δ	6°24'33.1" (LT)
D	7°9'43.1"
L	89.49' (ARC)
T	44.79'
R	800.00'

(14) RAN_CL (CURVE)

PI	4+84.95
PC	4+52.65
PT	5+16.70
Δ	18°20'59.1" (LT)
D	28°38'52.4"
L	64.05' (ARC)
T	32.30'
R	200.00'

(15) RANE_BL_51 (CURVE)

PI	5+09.85
PC	4+15.50
PT	5+98.32
Δ	34°55'0.9" (LT)
D	19°5'54.9"
L	182.82' (ARC)
T	94.35'
R	300.00'

(16) RAN_CL (CURVE)

PI	5+44.42
PC	5+16.70
PT	5+72.01
Δ	9°57'55.8" (LT)
D	18°1'3.1"
L	55.31' (ARC)
T	27.72'
R	318.00'

(17) RANE_BL_72 (CURVE)

PI	5+89.26
PC	5+57.65
PT	6+17.22
Δ	47°24'16.8" (RT)
D	79°34'38.9"
L	59.57' (ARC)
T	31.61'
R	72.00'

(18) RAE_IEOP_72 (CURVE)

PI	4+39.55
PC	4+04.27
PT	4+71.52
Δ	42°48'42.6" (RT)
D	63°39'43.1"
L	67.25' (ARC)
T	35.28'
R	90.00'

(19) RANE_BL_72 (CURVE)

PI	5+22.05
PC	4+86.42
PT	5+57.65
Δ	4°4'53.1" (RT)
D	5°43'46.5"
L	71.23' (ARC)
T	35.63'
R	1,000.00'

(20) RAE_IEOP_72 (CURVE)

PI	3+32.12
PC	2+58.98
PT	4+04.27
Δ	16°19'20.7" (LT)
D	11°14'4.1"
L	145.29' (ARC)
T	73.14'
R	510.00'

(21) RANE_BL_72 (CURVE)

PI	4+40.97
PC	3+95.29
PT	4+86.42
Δ	10°0'8.5" (LT)
D	10°58'34.3"
L	91.13' (ARC)
T	45.68'
R	522.00'

(22) RANE_BL_72 (CURVE)

PI	1+80.43
PC	1+36.31
PT	2+24.46
Δ	6°24'33.1" (RT)
D	7°16'15.7"
L	88.15' (ARC)
T	44.12'
R	788.00'

(23) RAE_IEOP_72 (CURVE)

PI	0+44.79
PC	0+00.00
PT	0+89.49
Δ	6°24'33.1" (RT)
D	7°9'43.1"
L	89.49' (ARC)
T	44.79'
R	800.00'

(24) RAE_IEOP_72 (CURVE)

PI	2+69.92
PC	2+24.46
PT	3+15.29
Δ	6°24'33.1" (LT)
D	7°3'22.1"
L	90.83' (ARC)
T	45.46'
R	812.00'

(25) RANE_BL_72 (CURVE)

PI	1+34.28
PC	0+89.49
PT	1+78.98
Δ	6°24'33.1" (LT)
D	7°9'43.1"
L	89.49' (ARC)
T	44.79'
R	800.00'

(26) RAE_CL (CURVE)

PI	4+75.67
PC	3+94.92
PT	5+55.05
Δ	18°20'59.1" (LT)
D	11°27'33.0"
L	160.13' (ARC)
T	80.76'
R	500.00'

(27) RASE_BL_72 (CURVE)

PI	5+10.58
PC	3+57.77
PT	6+57.03
Δ	28°34'38.8" (LT)
D	9°32'57.5"
L	299.26' (ARC)
T	152.81'
R	600.00'

(28) RAE_CL (CURVE)

PI	5+86.13
PC	5+55.05
PT	6+17.16
Δ	5°45'29.3" (LT)
D	9°16'16.2"
L	62.11' (ARC)
T	31.08'
R	618.00'

(29) RASE_BL_51 (CURVE)

PI	4+51.88
PC	4+34.67
PT	4+68.45
Δ	26°53'2.5"(RT)
D	79°34'38.9"
L	33.78' (ARC)
T	17.21'
R	72.00'

(30) RAS_IEOP_51 (CURVE)

PI	2+91.33
PC	2+61.58
PT	3+19.04
Δ	36°34'54.9" (RT)
D	63°39'43.1"
L	57.46' (ARC)
T	29.75'
R	90.00'

(31) RASE_BL_51 (CURVE)

PI	4+17.06
PC	3+99.19
PT	4+34.67
Δ	16°56'27.1" (RT)
D	47°44'47.3"
L	35.48' (ARC)
T	17.87'
R	120.00'

(32) RASE_BL_51 (CURVE)

PI	2+70.86
PC	2+25.40
PT	3+16.23
Δ	6°24'33.1" (LT)
D	7°3'22.1"
L	90.83' (ARC)
T	45.46'
R	812.00'

(33) RASE_BL_51 (CURVE)

PI	1+81.37
PC	1+37.25
PT	2+25.40
Δ	6°24.33.1" (RT)
D	7°16'15.7"
L	88.15' (ARC)
T	44.12'
R	788.00'

(34) RAS_IEOP_51 (CURVE)

PI	0+44.79
PC	0+00.00
PT	0+89.49
Δ	6°24'33.1" (RT)
D	7°9'43.1"
L	89.49' (ARC)
T	44.79'
R	800.00'

(35) RAS_IEOP_51 (CURVE)

PI	1+34.28
PC	0+89.49
PT	1+78.98
Δ	6°24'33.1" (LT)
D	7°9'43.1"
L	89.49' (ARC)
T	44.79'
R	800.00'

(36) RAS_IEOP_51 (CURVE)

PI	2+44.63
PC	2+27.61
PT	2+61.58
Δ	9°16'8.4" (LT)
D	27°17'1.3"
L	33.97' (ARC)
T	17.02'
R	210.00'

(37) RAS_CL (CURVE)

PI	3+96.79
PC	3+64.48
PT	4+28.54
Δ	18°20'59.1" (LT)
D	28°38'52.4"
L	64.05' (ARC)
T	32.30'
R	200.00'

(38) RASW_BL_51 (CURVE)

PI	4+13.03
PC	3+27.33
PT	4+94.28
Δ	31°53'0.00" (LT)
D	19°5'54.9"
L	166.94' (ARC)
T	85.69'
R	300.00'

(39) RAS_CL (CURVE)

PI	4+45.71
PC	4+28.54
PT	4+62.86
Δ	6°11'2.4" (LT)
D	18°1'3.1"
L	34.32' (ARC)
T	17.18'
R	318.00'

(40) RASW_BL_72 (CURVE)

PI	4+84.87
PC	4+44.82
PT	5+17.92
Δ	58°10'21.2" (RT)
D	79°34'38.9"
L	73.10' (ARC)
T	40.05'
R	72.00'

(41) RAW_IEOP_72 (CURVE)

PI	3+83.00
PC	3+46.50
PT	4+15.85
Δ	44°9'11.9" (RT)
D	63°39'43.1"
L	69.36' (ARC)
T	36.50'
R	90.00'

(42) RASW_BL_72 (CURVE)

PI	3+80.20
PC	3+14.85
PT	4+44.82
Δ	14°53'35.6" (LT)
D	11°27'33.0"
L	129.97' (ARC)
T	65.35'
R	500.00'

(43) RAW_IEOP_72 (CURVE)

PI	2+76.90
PC	2+06.38
PT	3+46.50
Δ	16°3'22.9" (LT)
D	11°27'33.0"
L	140.12' (ARC)
T	70.52'
R	500.00'

(44) RAW_IEOP_72 (CURVE)

PI	1+03.44
PC	0+00.00
PT	2+06.38
Δ	9°48'17.3" (RT)
D	4°45'3.2"
L	206.38' (ARC)
T	103.44'
R	1,206.00'

(45) RASW_BL_72 (CURVE)

PI	1+58.34
PC	0+00.00
PT	3+14.85
Δ	15°6'30.4" (RT)
D	4°47'55.1"
L	314.85' (ARC)
T	158.34'
R	1,194.00'

(46) RA_IC_1 (CURVE)

PI	
PC	0+00
PT	2+51.33
Δ	180°0'0.00" (LT)
D	71°37'11.0"
L	251.33' (ARC)
T	6.90E+13'
R	80.00'

(47) RA_IC_2 (CURVE)

PI	
PC	0+00.00
PT	2+51.33
Δ	180°0'0.00" (LT)
D	71°37'11.0"
L	251.33' (ARC)
T	6.90E+13'
R	80.00'

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:35:21 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

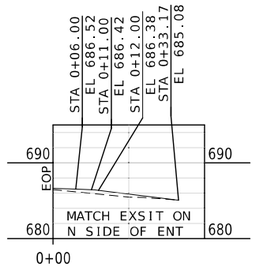
DATE PREPARED	
10/22/2024	
ROUTE 72/51	STATE MO
DISTRICT SE	SHEET NO. 13
COUNTY BOLLINGER	
JOB NO. J9P3842	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

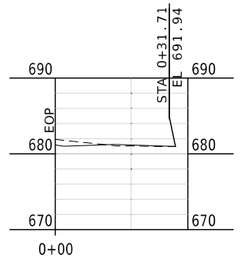
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
1 OF 7



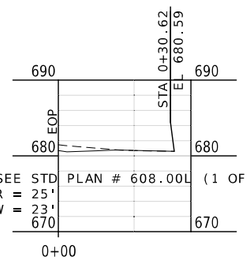
SEE STD PLAN # 608.00L (2 OF 2)
R = 25'
W = 36'

STA 321+11.21 LT



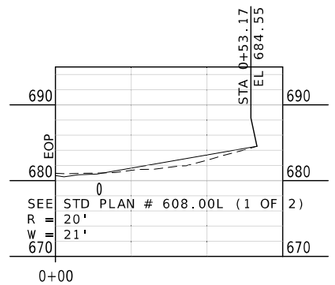
SEE STD PLAN # 608.00L (1 OF 2)
R = 25'
W = 14'

STA 324+07.01 LT



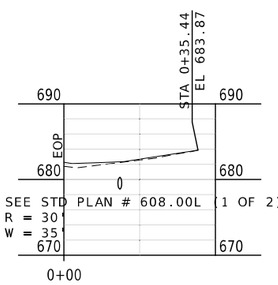
SEE STD PLAN # 608.00L (1 OF 2)
R = 25'
W = 23'

STA 324+80.90 LT



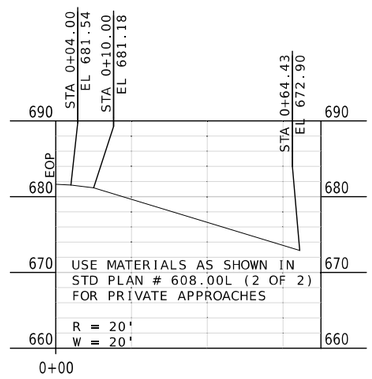
SEE STD PLAN # 608.00L (1 OF 2)
R = 20'
W = 21'

STA 325+70.58 RT

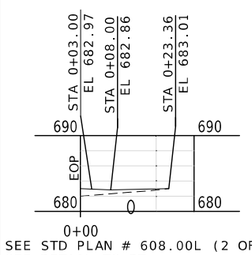


SEE STD PLAN # 608.00L (1 OF 2)
R = 30'
W = 35'

STA 330+26.37 RT

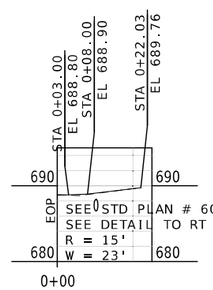


STA 330+61.00 LT



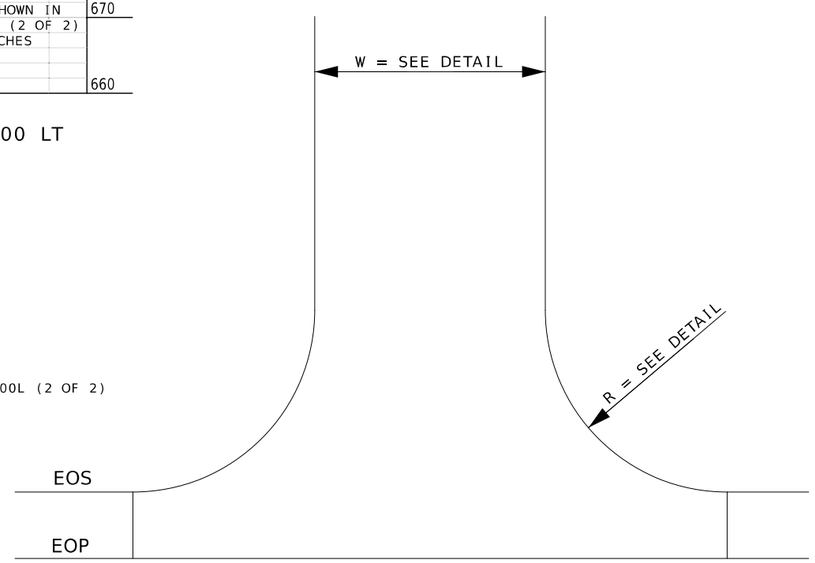
SEE STD PLAN # 608.00L (2 OF 2)
SEE DETAIL TO RT
R = 15'
W = 41'

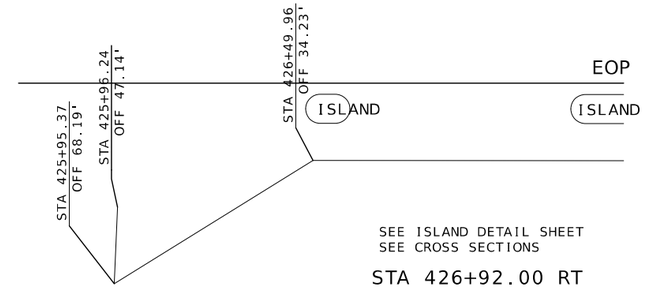
STA 427+28.77 LT



SEE STD PLAN # 608.00L (2 OF 2)
SEE DETAIL TO RT
R = 15'
W = 23'

STA 428+63.20 LT



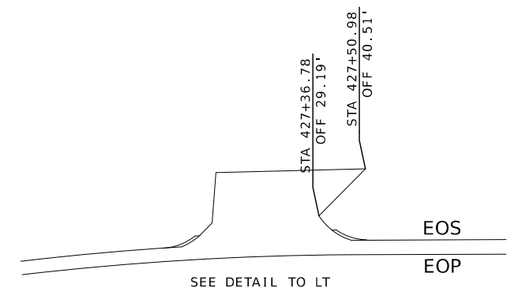


SEE ISLAND DETAIL SHEET
SEE CROSS SECTIONS

STA 426+92.00 RT

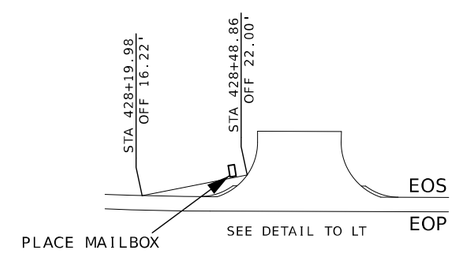
SEE ISLAND DETAIL SHEET
SEE CROSS SECTIONS

STA 426+25.00 RT



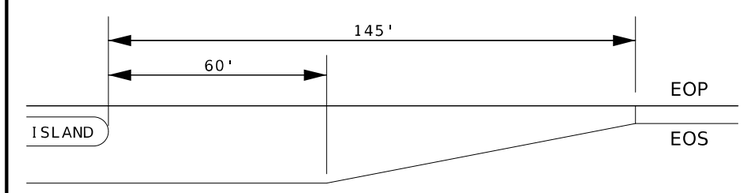
SEE DETAIL TO LT

STA 427+28.77 LT



SEE DETAIL TO LT

STA 428+63.20 RT



SEE ISLAND DETAIL SHEET
SEE CROSS SECTIONS

STA 429+03.00 RT

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:35:05 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

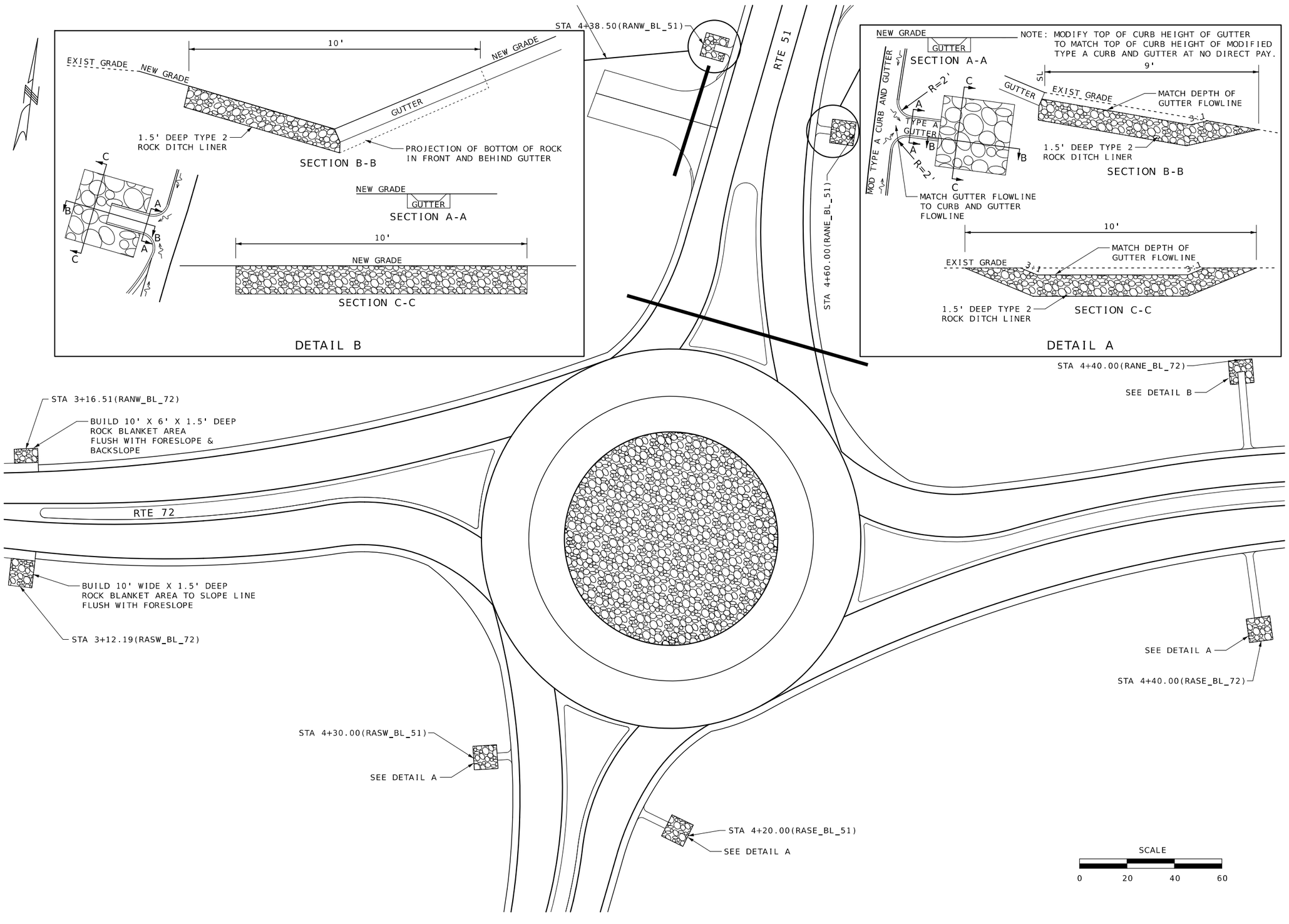
DATE PREPARED	10/22/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	14
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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

SPECIAL SHEET
2 OF 7



STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:34:54 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	10/22/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	15
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

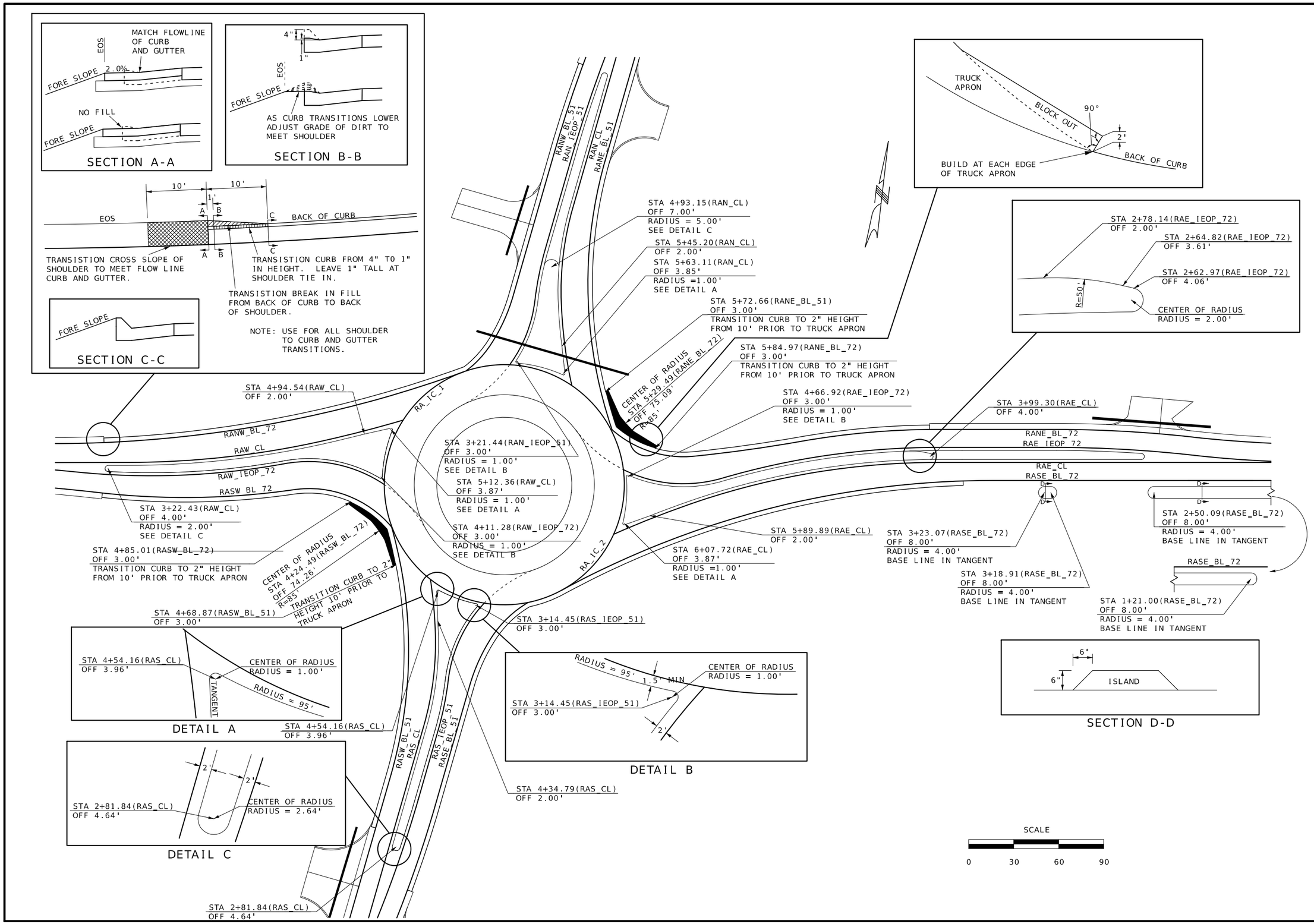
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
3 OF 7



STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:34:41 PM
TIMOTHY CHRISTOPHER PICKETT - GRML
MO-PE-2017000351

DATE PREPARED	10/23/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	16
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

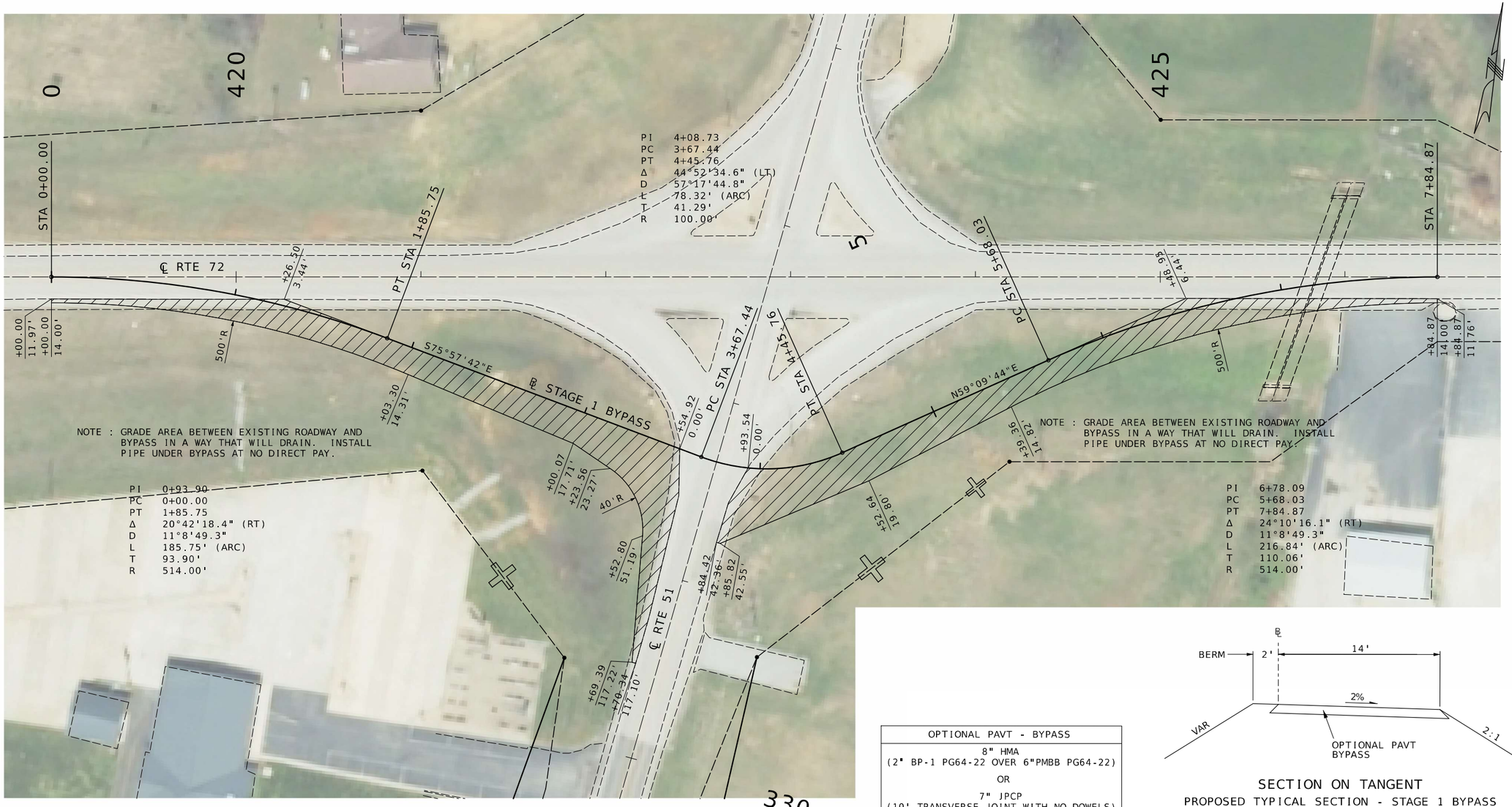
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
4 OF 7

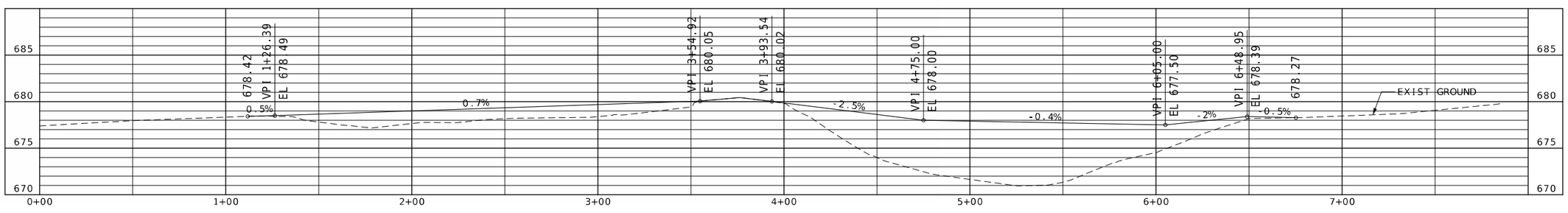


OPTIONAL PAVT - BYPASS
8" HMA (2" BP-1 PG64-22 OVER 6"PMBB PG64-22) OR 7" JPCP (10' TRANSVERSE JOINT WITH NO DOWELS)

SECTION ON TANGENT

PROPOSED TYPICAL SECTION - STAGE 1 BYPASS
STA 0+00.00 TO STA STA 7+84.87

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.



PROFILE - STAGE 1 BYPASS

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:35:48 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	
10/25/2024	
ROUTE	STATE
72/51	MO
DISTRICT	SHEET NO.
SE	17
COUNTY	
BOLLINGER	
JOB NO.	
J9P3842	
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)

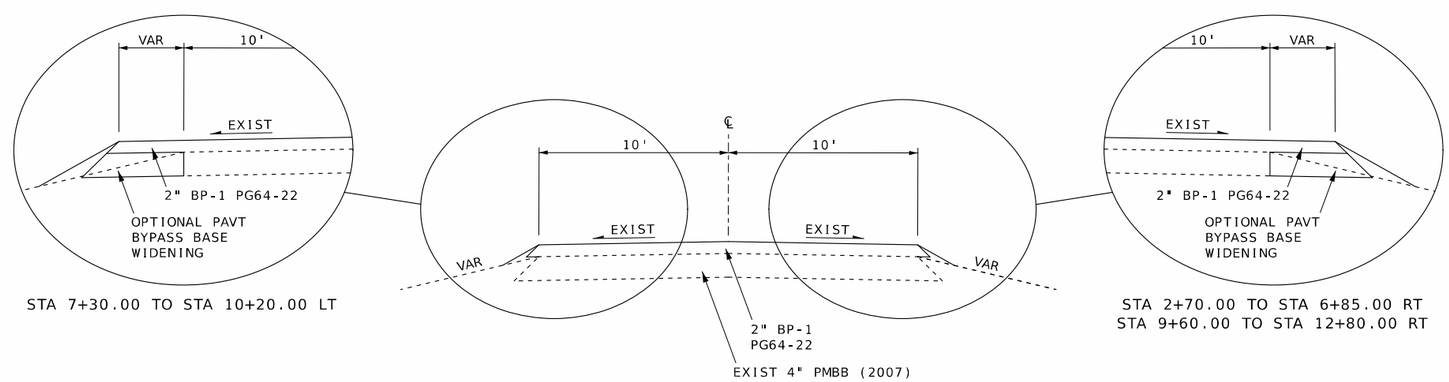
BYPASS 1 DETAILS
SPECIAL SHEET 5 OF 7

MILL/FILL

MODIFIED COLDMILLING (DEPTH TRANSITION)

OPTIONAL PAVT BYPASS BASE WIDENING

OPTIONAL PAVT - BYPASS BASE WIDENING
4" HMA (4"PMBB PG64-22)
OR
4" JPCP (10' TRANSVERSE JOINT WITH NO DOWELS)



SECTION ON TANGENT

PROPOSED TYPICAL SECTION - BYPASS 2
STA 0+10.34 TO STA STA 19+40.35

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10-28-2024 1:33:14 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

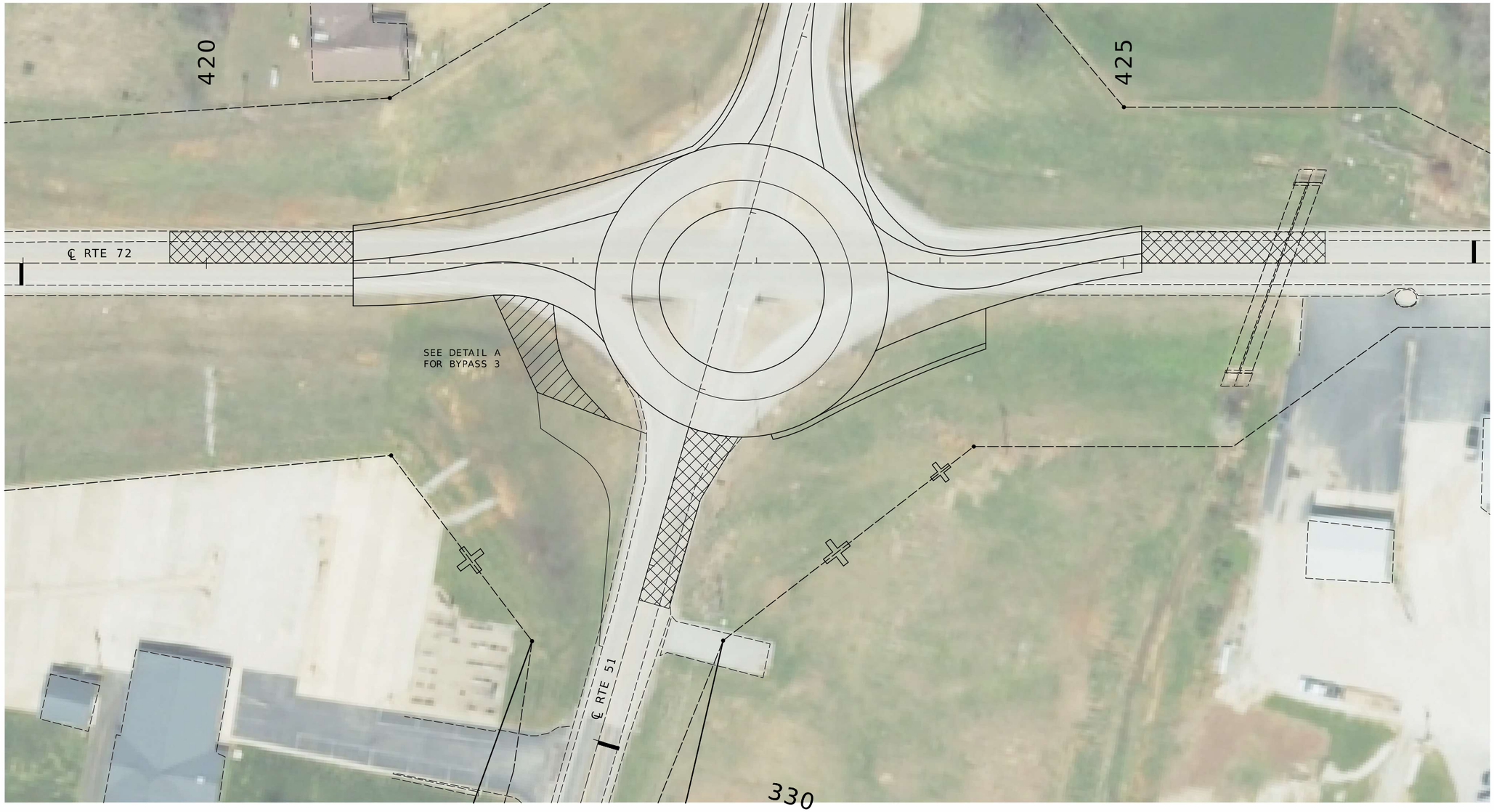
DATE PREPARED	
10/25/2024	
ROUTE 72/51	STATE MO
DISTRICT SE	SHEET NO. 18
COUNTY BOLLINGER	
JOB NO. J9P3842	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

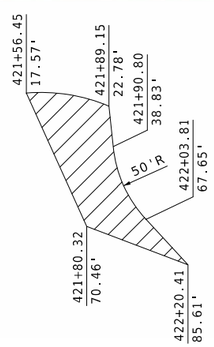
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

BYPASS 2 DETAILS
SPECIAL SHEET 6 OF 7



OPTIONAL PAVT BYPASS

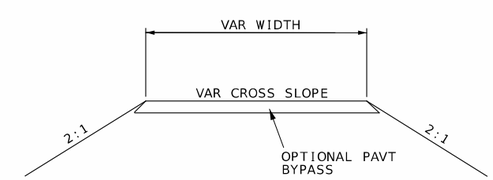
BITUMIONOUS WEDGING



DETAIL A

NOTE:
STATIONING FOR BYPASS 3
REFERENCES ℄ RTE 72

OPTIONAL PAVT - BYPASS
8" HMA (2" BP-1 PG64-22 OVER 6"PMBB PG64-22) OR 7" JPCP (10' TRANSVERSE JOINT WITH NO DOWELS)



SECTION ON TANGENT
PROPOSED TYPICAL SECTION - STAGE 3 BYPASS

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:33:53 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	
10/25/2024	
ROUTE: 72/51	STATE: MO
DISTRICT: SE	SHEET NO.: 19
COUNTY: BOLLINGER	
JOB NO.: J9P3842	
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)

BYPASS 3 DETAILS
SPECIAL SHEET 7 OF 7

WO20-1

(2)

WO3-5

(3)

R2-1

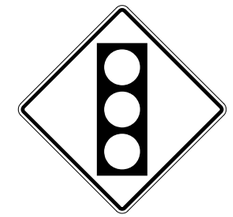
(4) A

R2-1

(4) B

WO20-4

(7)



WO3-3

(12)

MO4-10L

(17)

WO20-2

(18)

R2-1

(25)

R11-2

(29)

R10-6L

(47)

GO20-5aP

(54)

WO20-3

(60) A

WO20-3

(60) B

(61) A

(61) B

(61) C

(61) D

(61) E

(61) F

(61) G

(61) H

NOTE:
SIGNS MAY BE PRODUCED BY EITHER PROCESSES: APPROPRIATE CARDINAL DIRECTIONS, ROUTE SHIELDS, AND DIRECTIONAL ARROWS MAY BE SHEETED ON THE SIGN BLANKS AS ONE HOMOGENOUS PRODUCT OR APPROPRIATE CARDINAL DIRECTIONS, ROUTE SHIELDS, AND DIRECTIONAL ARROW PLATES MAY BE CONSTRUCTED AND MAY BE BOLTED ON THE DETOUR BLANK SIGNS.

R5-1

(62)

R6-1R

(63)

PERMANENT POSTED SPEED (MPH)	SIGN SPACING (1) (FT)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
0 - 35	200 FT	200 FT
40 - 45	350 FT	500 FT
50 - 55	500 FT	1000 FT
60 - 70	1000 FT	SA - 1000 FT SB - 1500 FT SC - 2640 FT

(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION. SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

TAPER LENGTH AND SPACING							
PERMANENT POSTED SPEED (MPH)	TAPER LENGTH T1 SHOULDER (1)	TAPER LENGTH L FOR LATERAL SHIFTS (2)			BUFFER SPACE LENGTH	CHANNELIZER SPACING (3)	
		10 FT	11 FT	12 FT		TAPERS	BUFFER SPACE WORK AREA
0 - 35	70 FT	205 FT	225 FT	245 FT	280 FT	35 FT (4)	40 FT (4)
40 - 45	150 FT	450 FT	495 FT	540 FT	400 FT	40 FT (4)	80 FT (4)
50 - 55	185 FT	550 FT	605 FT	660 FT	560 FT	50 FT (5)	80 FT (5)
60 - 70	235 FT	700 FT	770 FT	840 FT	840 FT	60 FT (5)	120 FT (5)

(1) SHOULDER TAPER LENGTH BASED ON 10' (STANDARD SHOULDER WIDTH) OFFSET.

(2) TAPER LENGTHS MAY BE ADJUSTED TO ACCOMMODATE CROSSROADS, CURVES, RAMPS, INTERSECTIONS, OR OTHER GEOMETIC FEATURES.

(3) SPACING MAY BE REDUCED TO DISCOURAGE TRAFFIC ENCROACHMENT.

(4) SPACING REDUCED TO ONE-HALF AT INTERSECTIONS.

(5) SPACING MAY BE REDUCED TO ONE-HALF AT INTERSECTIONS.

(29)

TYPICAL
TYPE III MOVEABLE BARRICADE DETAIL
WITH SIGN

NOTE:
SIGN #29 SHALL BE INSTALLED ON THE BARRICADES OR SEPARATE SUPPORTS ADJACENT TO THE BARRICADES IN ACCORDANCE WITH STD PLAN 616.10

NOTES:

DISTANCES MAY BE ADJUSTED ACCORDING TO FIT FIELD CONDITIONS.

NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.

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

DRAWING NOT TO SCALE.

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:32:22 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	10/23/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	20
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL
SHEET 1 OF 5

STAGE 1

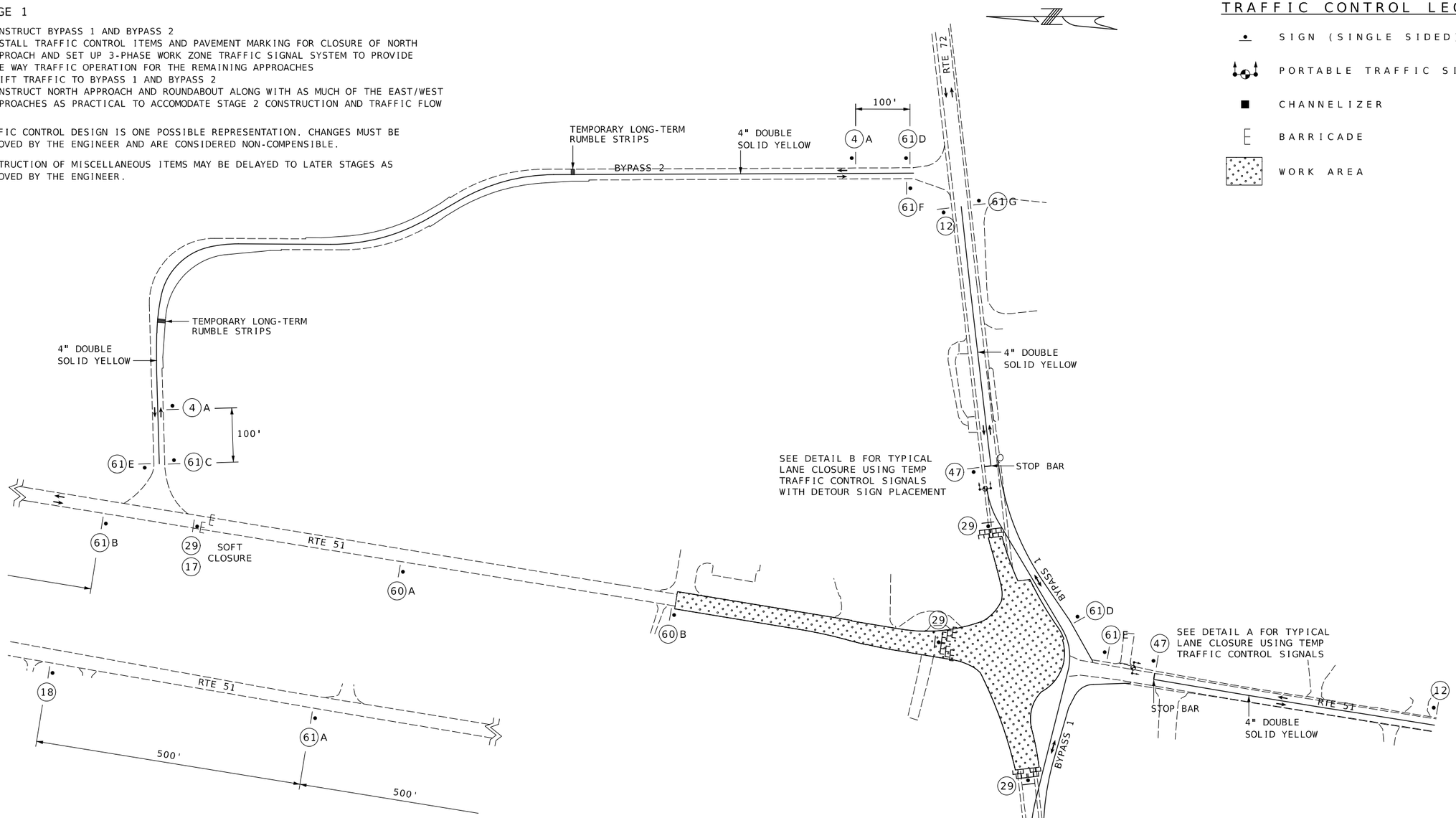
- CONSTRUCT BYPASS 1 AND BYPASS 2
- INSTALL TRAFFIC CONTROL ITEMS AND PAVEMENT MARKING FOR CLOSURE OF NORTH APPROACH AND SET UP 3-PHASE WORK ZONE TRAFFIC SIGNAL SYSTEM TO PROVIDE ONE WAY TRAFFIC OPERATION FOR THE REMAINING APPROACHES
- SHIFT TRAFFIC TO BYPASS 1 AND BYPASS 2
- CONSTRUCT NORTH APPROACH AND ROUNDABOUT ALONG WITH AS MUCH OF THE EAST/WEST APPROACHES AS PRACTICAL TO ACCOMODATE STAGE 2 CONSTRUCTION AND TRAFFIC FLOW

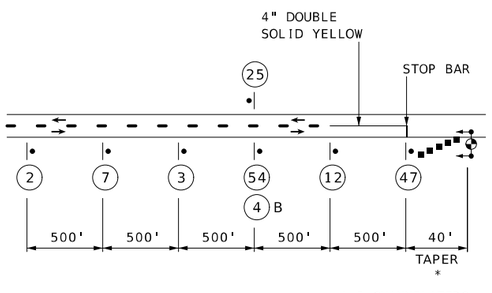
TRAFFIC CONTROL DESIGN IS ONE POSSIBLE REPRESENTATION. CHANGES MUST BE APPROVED BY THE ENGINEER AND ARE CONSIDERED NON-COMPENSIBLE.

CONSTRUCTION OF MISCELLANEOUS ITEMS MAY BE DELAYED TO LATER STAGES AS APPROVED BY THE ENGINEER.

TRAFFIC CONTROL LEGEND

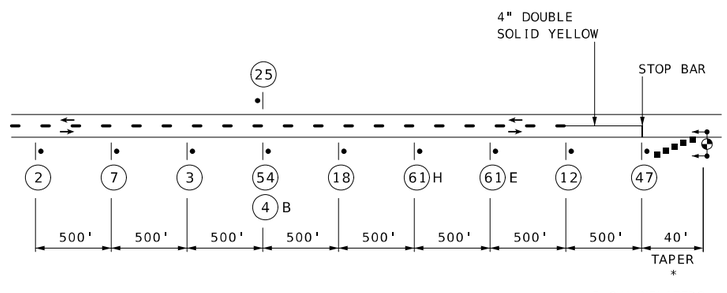
- SIGN (SINGLE SIDED)
- PORTABLE TRAFFIC SIGNAL
- CHANNELIZER
- BARRICADE
- WORK AREA





* 5 CHANNELIZERS

DETAIL A



* 5 CHANNELIZERS

DETAIL B

NOTES:

DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.

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

EXIST CONFLICTING PAVT MARKINGS BETWEEN THE ACTIVITY AREA AND EACH STOP BAR SHALL BE REMOVED.

ACCESS TO MODOT PROPERTY WILL BE CONTROLLED WITH A COMBINATION OF TRAFFIC BARRIER AND CABLE BETWEEN THE SECTIONS OF TRAFFIC BARRIER. CABLE WILL BE AT NO DIRECT PAY. SEE JSP FOR MORE INFORMATION.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:31:54 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	10/23/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	21
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL
SHEET 2 OF 5

STAGE 2

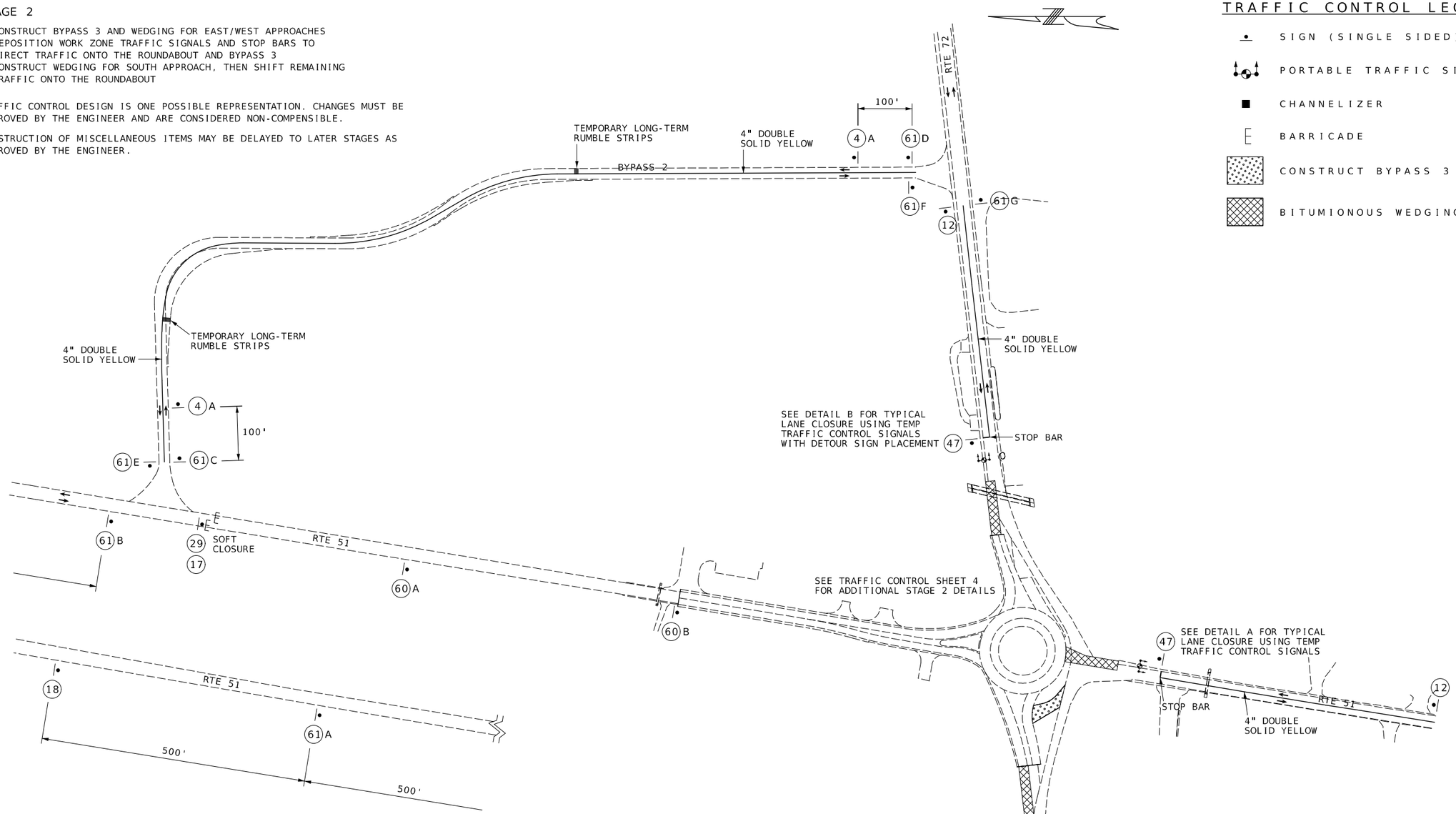
- CONSTRUCT BYPASS 3 AND WEDGING FOR EAST/WEST APPROACHES
- REPOSITION WORK ZONE TRAFFIC SIGNALS AND STOP BARS TO DIRECT TRAFFIC ONTO THE ROUNDABOUT AND BYPASS 3
- CONSTRUCT WEDGING FOR SOUTH APPROACH, THEN SHIFT REMAINING TRAFFIC ONTO THE ROUNDABOUT

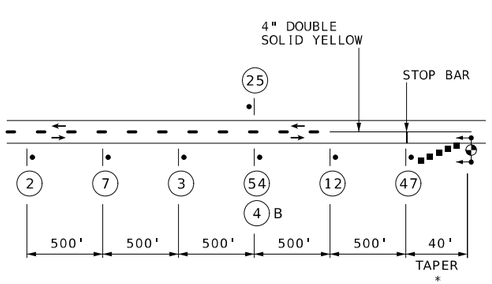
TRAFFIC CONTROL DESIGN IS ONE POSSIBLE REPRESENTATION. CHANGES MUST BE APPROVED BY THE ENGINEER AND ARE CONSIDERED NON-COMPENSIBLE.

CONSTRUCTION OF MISCELLANEOUS ITEMS MAY BE DELAYED TO LATER STAGES AS APPROVED BY THE ENGINEER.

TRAFFIC CONTROL LEGEND

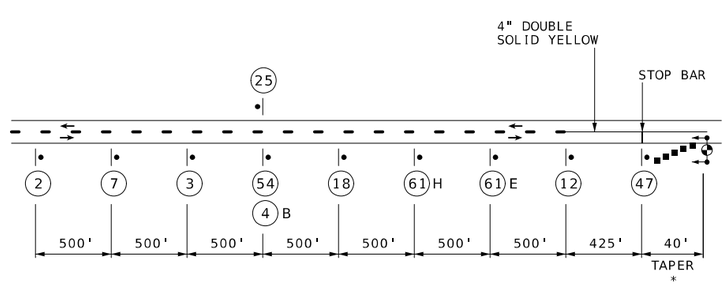
- SIGN (SINGLE SIDED)
- PORTABLE TRAFFIC SIGNAL
- CHANNELIZER
- BARRICADE
- CONSTRUCT BYPASS 3
- BITUMIONOUS WEDGING





* 5 CHANNELIZERS

DETAIL A



* 5 CHANNELIZERS

DETAIL B

NOTES:

DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.

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

EXIST CONFLICTING PAVT MARKINGS BETWEEN THE ACTIVITY AREA AND EACH STOP BAR SHALL BE REMOVED.

BITUMIONOUS WEDGING AT NO DIRECT PAY.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:31:12 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	10/23/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	22
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

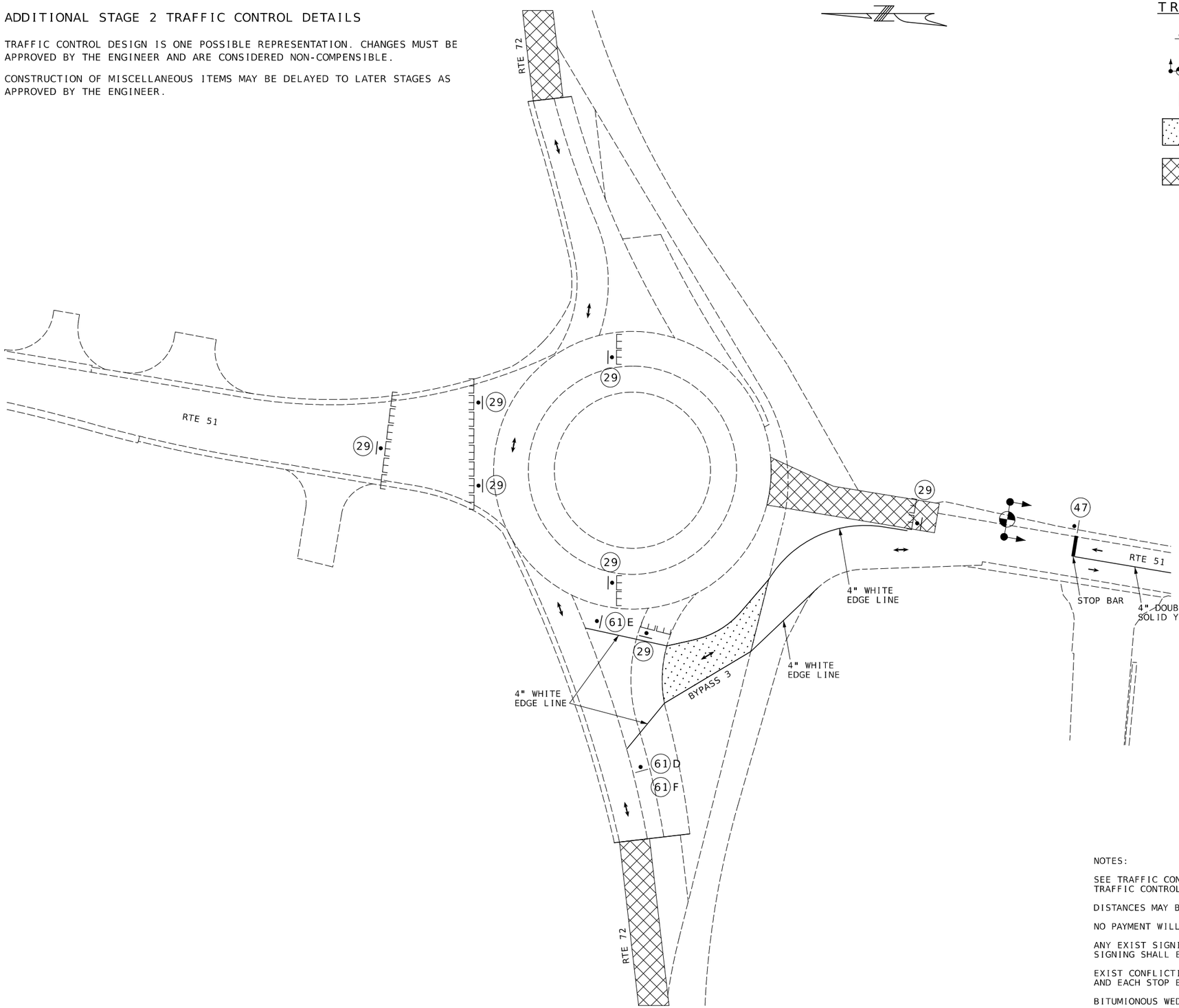
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL
SHEET 3 OF 5

ADDITIONAL STAGE 2 TRAFFIC CONTROL DETAILS

TRAFFIC CONTROL DESIGN IS ONE POSSIBLE REPRESENTATION. CHANGES MUST BE APPROVED BY THE ENGINEER AND ARE CONSIDERED NON-COMPENSIBLE.

CONSTRUCTION OF MISCELLANEOUS ITEMS MAY BE DELAYED TO LATER STAGES AS APPROVED BY THE ENGINEER.



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- PORTABLE TRAFFIC SIGNAL
- BARRICADE
- CONSTRUCT BYPASS 3
- BITUMINOUS WEDGING

NOTES:

SEE TRAFFIC CONTROL SHEET 3 FOR ADVANCE SIGNING AND OTHER TRAFFIC CONTROL DETAILS FOR STAGE 2.

DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.

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

EXIST CONFLICTING PAVT MARKINGS BETWEEN THE ACTIVITY AREA AND EACH STOP BAR SHALL BE REMOVED.

BITUMIONOUS WEDGING AT NO DIRECT PAY.

DRAWING NOT TO SCALE.

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:30:46 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	10/23/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	23
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

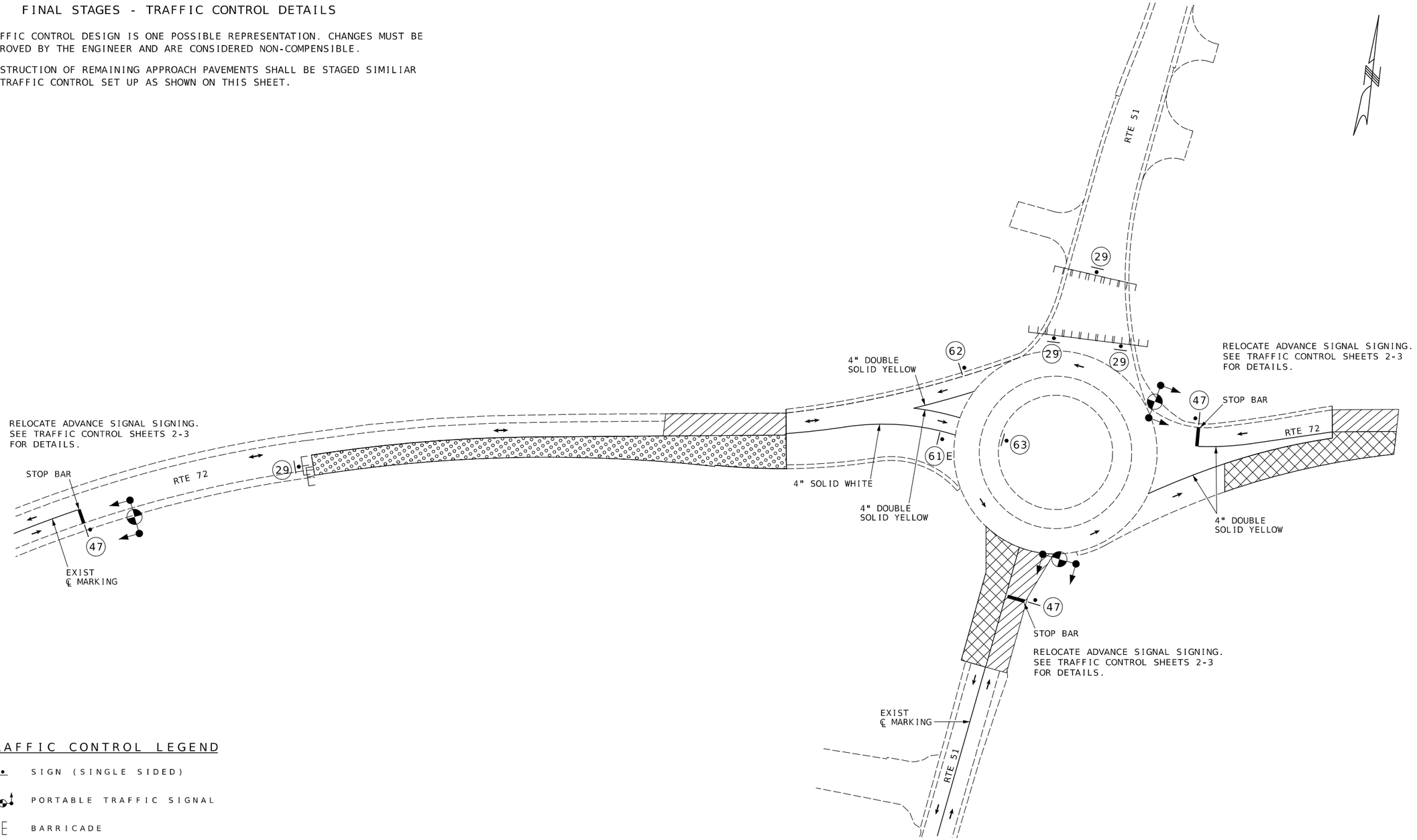
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL
SHEET 4 OF 5

FINAL STAGES - TRAFFIC CONTROL DETAILS

TRAFFIC CONTROL DESIGN IS ONE POSSIBLE REPRESENTATION. CHANGES MUST BE APPROVED BY THE ENGINEER AND ARE CONSIDERED NON-COMPENSIBLE.

CONSTRUCTION OF REMAINING APPROACH PAVEMENTS SHALL BE STAGED SIMILIAR TO TRAFFIC CONTROL SET UP AS SHOWN ON THIS SHEET.



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- PORTABLE TRAFFIC SIGNAL
- BARRICADE
- WORK AREA
- EXIST WEDGING
- BITUMINOUS WEDGING

DRAWING NOT TO SCALE.

NOTES:

SEE TRAFFIC CONTROL SHEETS 2-3 FOR ADVANCE SIGNING AND OTHER TRAFFIC CONTROL DETAILS.

DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.

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

EXIST CONFLICTING PAVT MARKINGS BETWEEN THE ACTIVITY AREA AND EACH STOP BAR SHALL BE REMOVED.

BITUMIONOUS WEDGING AT NO DIRECT PAY.

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:30:23 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	10/23/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	24
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

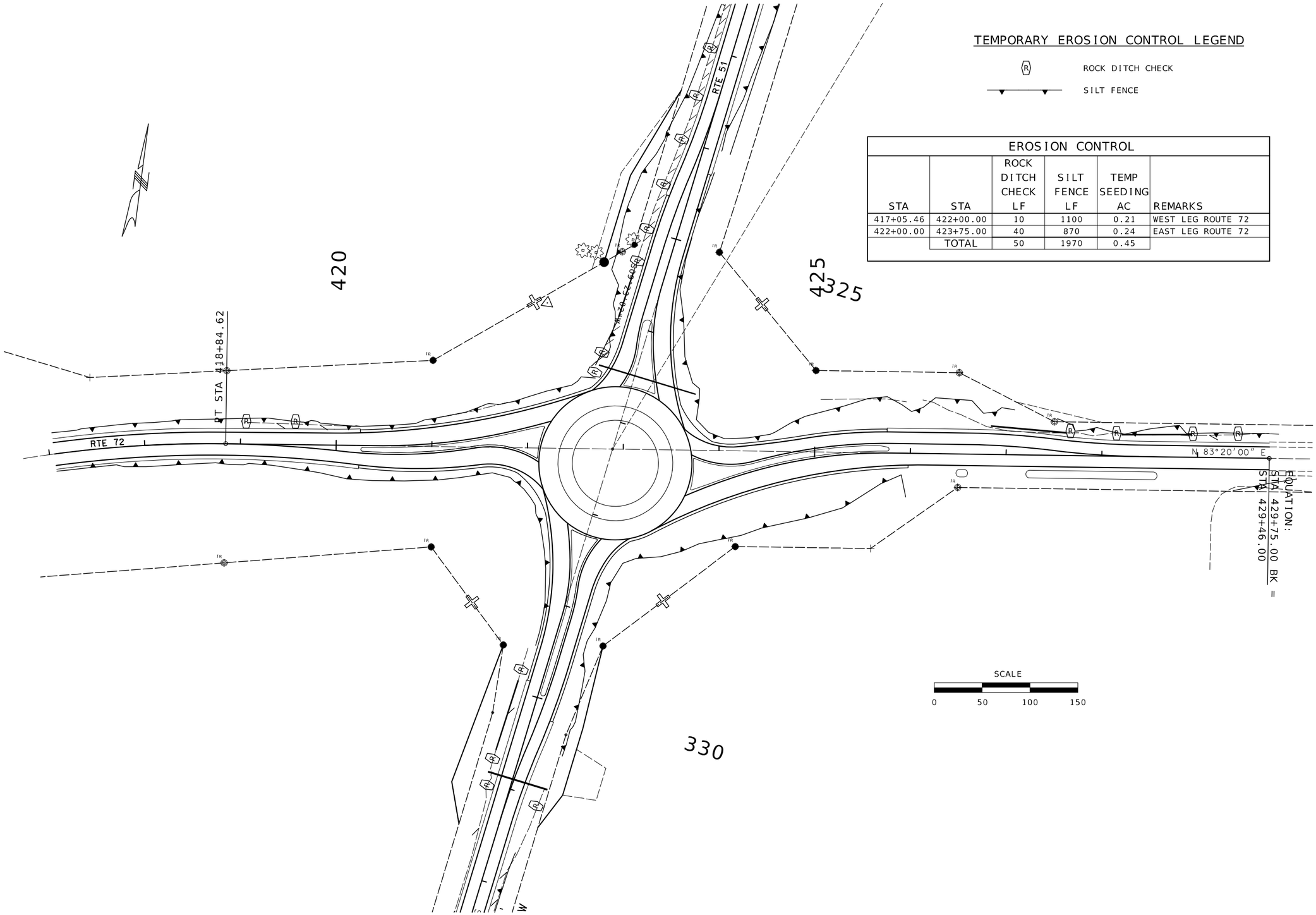
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL
SHEET 5 OF 5



TEMPORARY EROSION CONTROL LEGEND

(R) ROCK DITCH CHECK

SILT FENCE

EROSION CONTROL					
STA	STA	ROCK DITCH CHECK LF	SILT FENCE LF	TEMP SEEDING AC	REMARKS
417+05.46	422+00.00	10	1100	0.21	WEST LEG ROUTE 72
422+00.00	423+75.00	40	870	0.24	EAST LEG ROUTE 72
	TOTAL	50	1970	0.45	

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:41:23 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

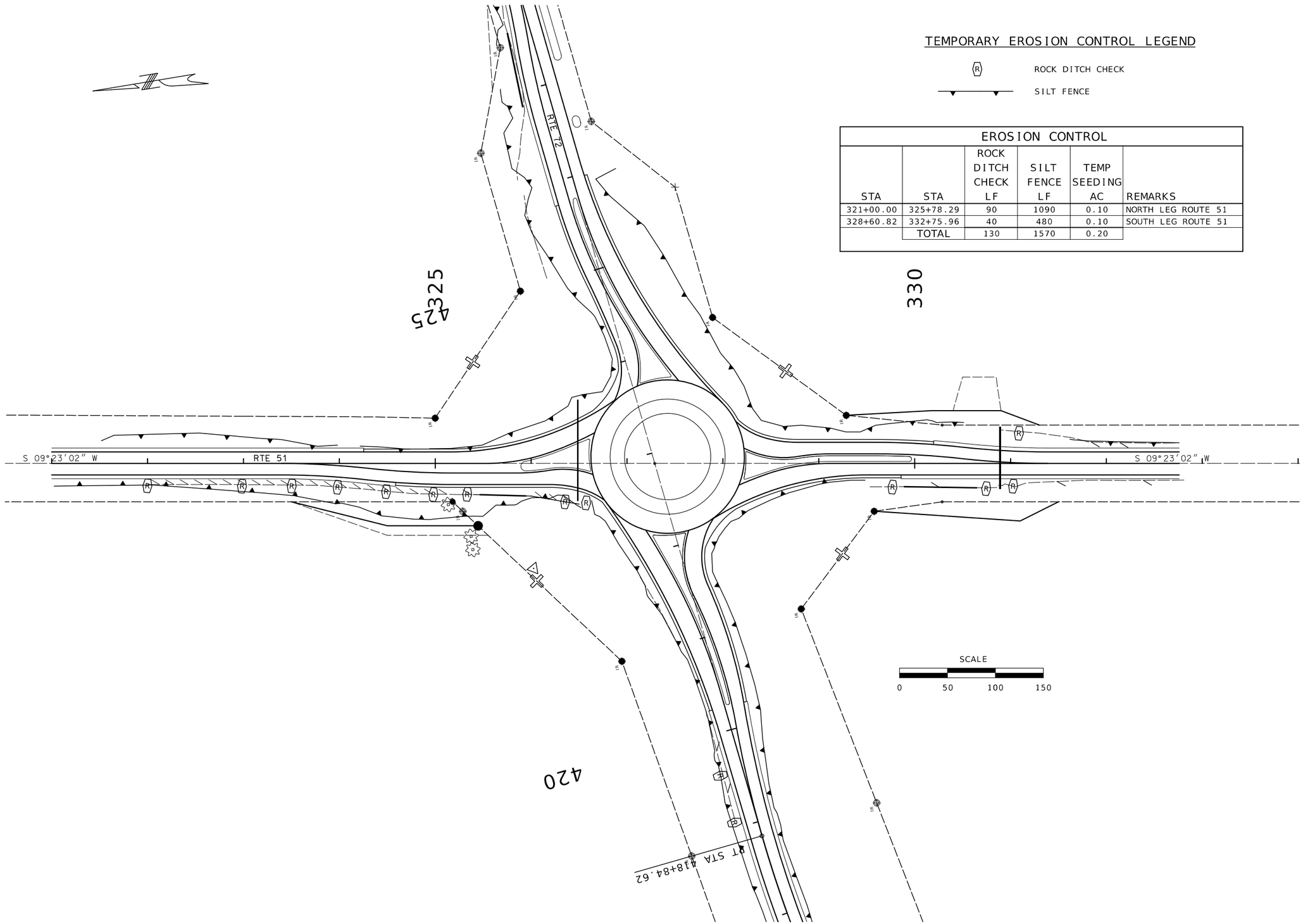
DATE PREPARED	
10/23/2024	
ROUTE 72/51	STATE MO
DISTRICT SE	SHEET NO. 25
COUNTY BOLLINGER	
JOB NO. J9P3842	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

RTE 72
EROSION CONTROL
SHEET 1 OF 2



TEMPORARY EROSION CONTROL LEGEND

ROCK DITCH CHECK

SILT FENCE

EROSION CONTROL					
STA	STA	ROCK DITCH CHECK LF	SILT FENCE LF	TEMP SEEDING AC	REMARKS
321+00.00	325+78.29	90	1090	0.10	NORTH LEG ROUTE 51
328+60.82	332+75.96	40	480	0.10	SOUTH LEG ROUTE 51
	TOTAL	130	1570	0.20	

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:45:59 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED
10/23/2024

ROUTE	STATE
72/51	MO
DISTRICT	SHEET NO.
SE	26

COUNTY
BOLLINGER

JOB NO.
J9P3842

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

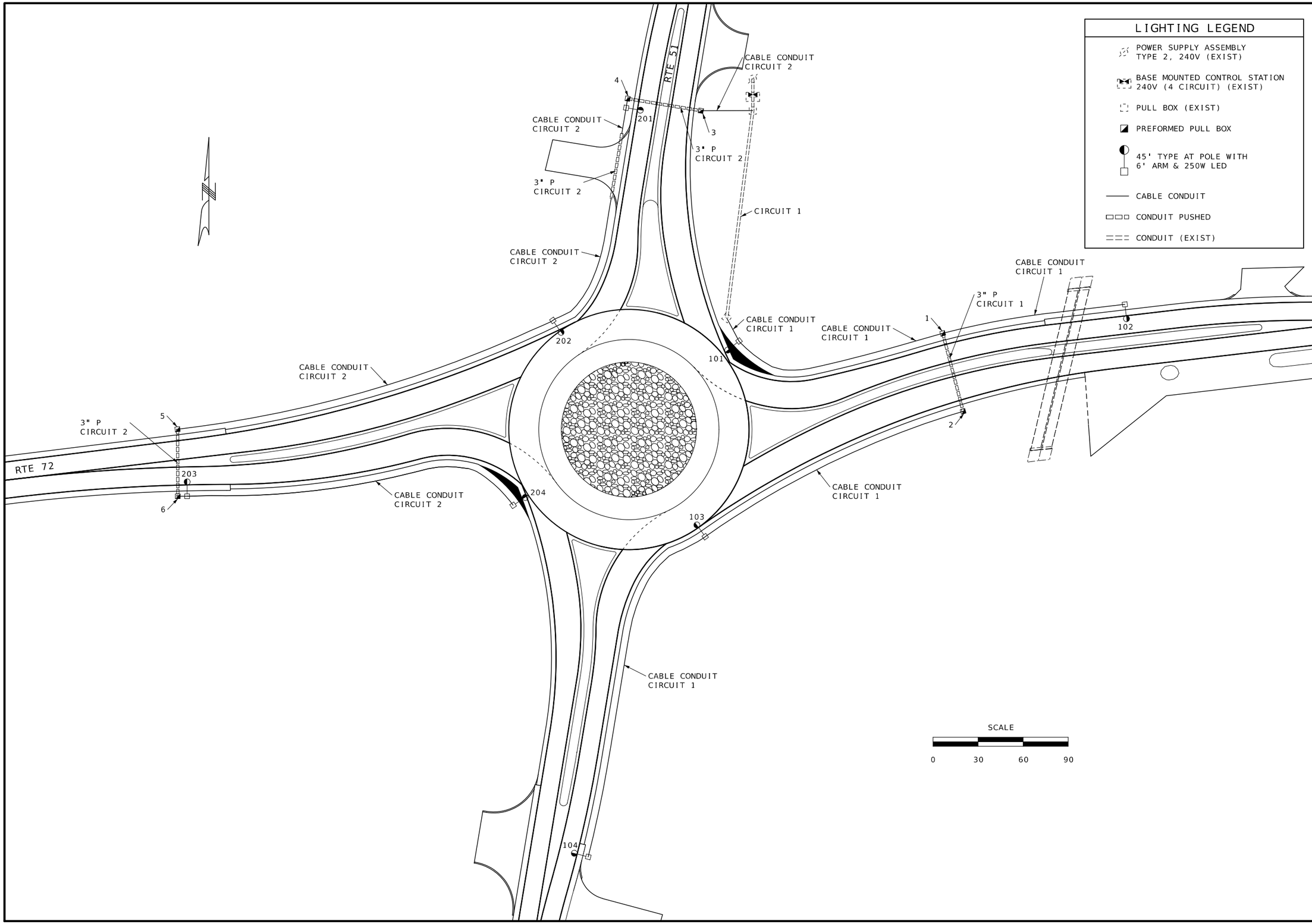
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

RTE 51
EROSION CONTROL
SHEET 2 OF 2



STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:40:44 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

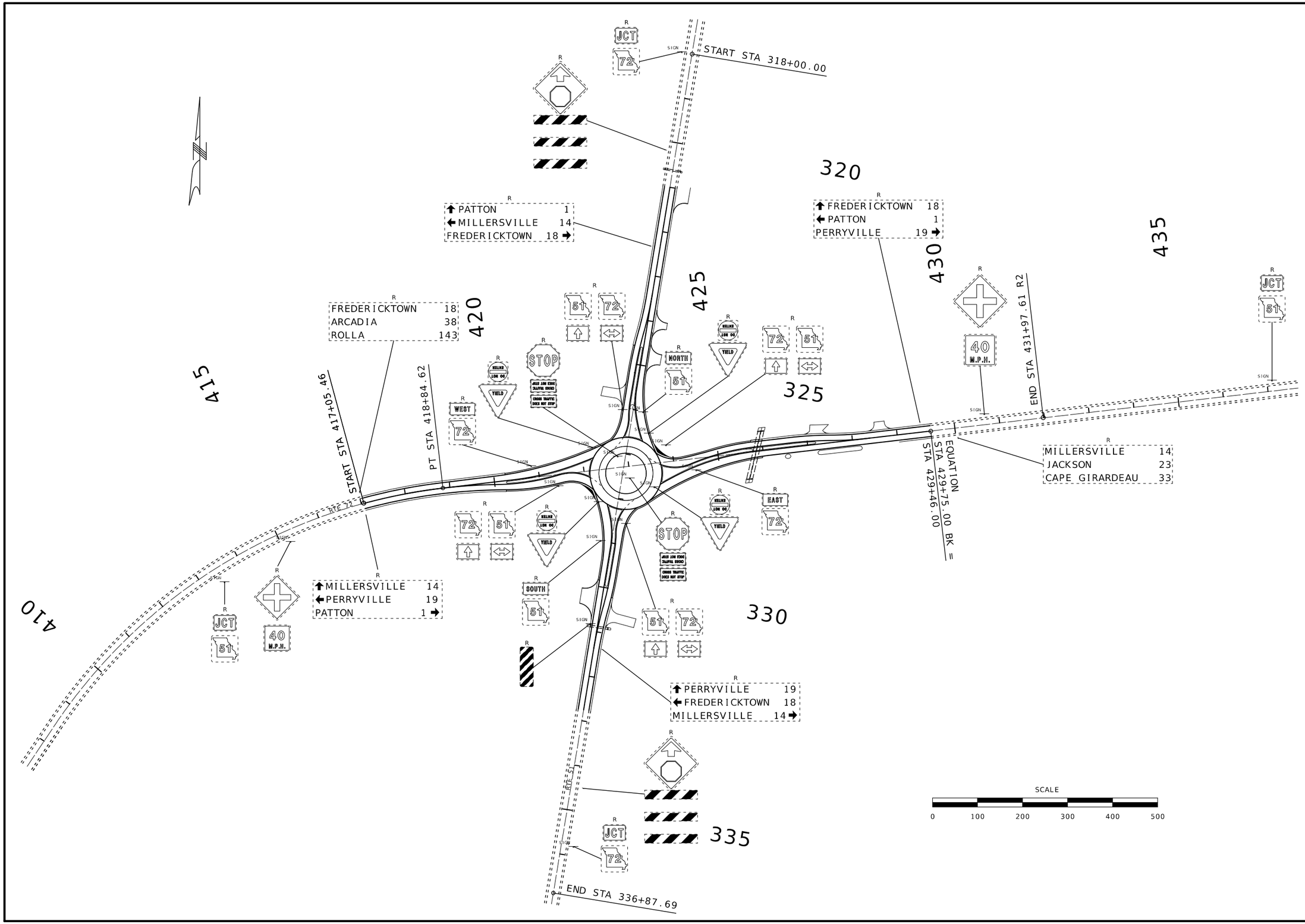
DATE PREPARED	10/23/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	27
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

LIGHTING SHEET
SHEET 1 OF 1



STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:40:30 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

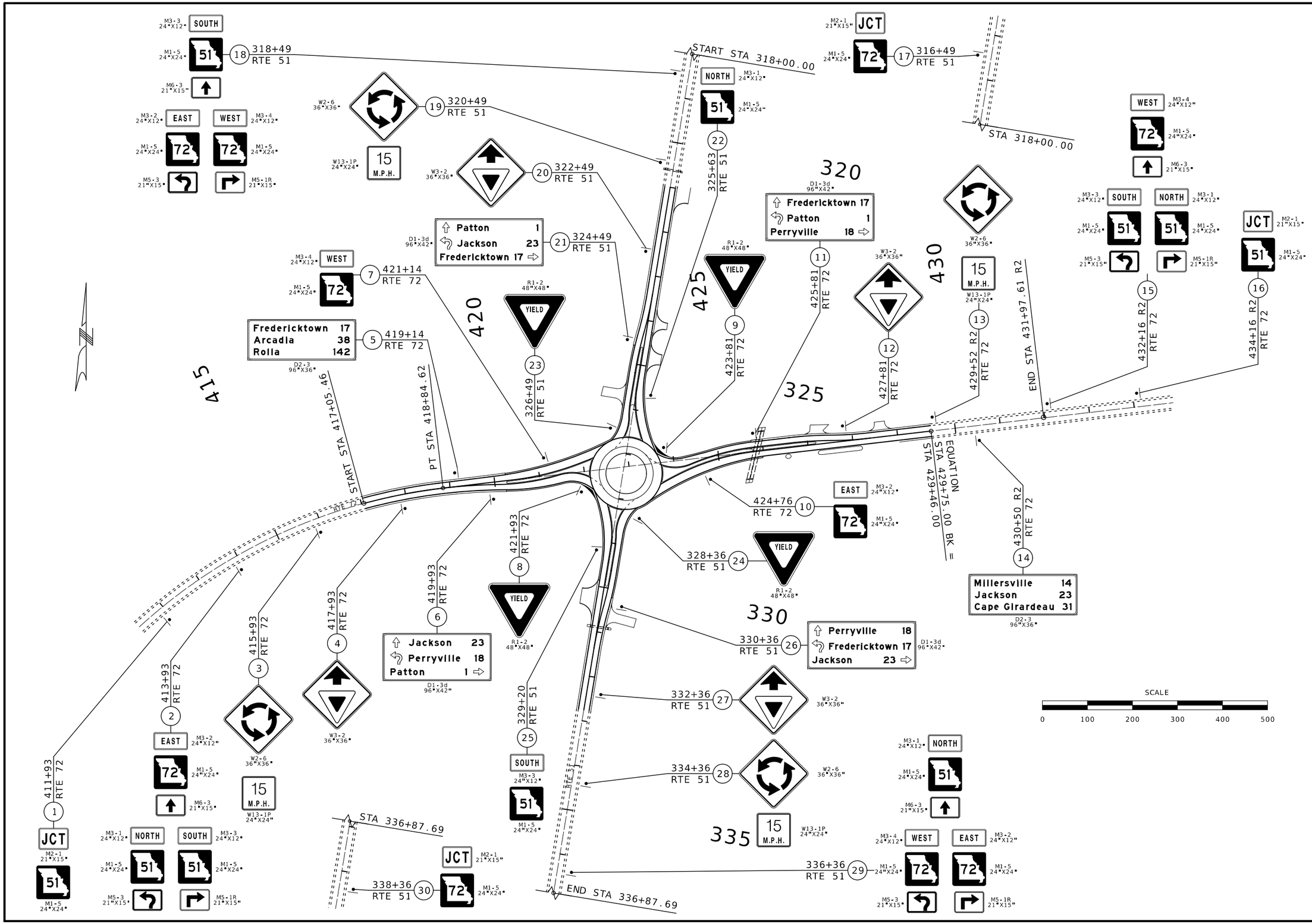
DATE PREPARED	10/23/2024
ROUTE 72/51	STATE MO
DISTRICT SE	SHEET NO. 28
COUNTY BOLLINGER	
JOB NO. J9P3842	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGNING SHEET
SHEET 1 OF 6



STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:45:17 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	10/23/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	29
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

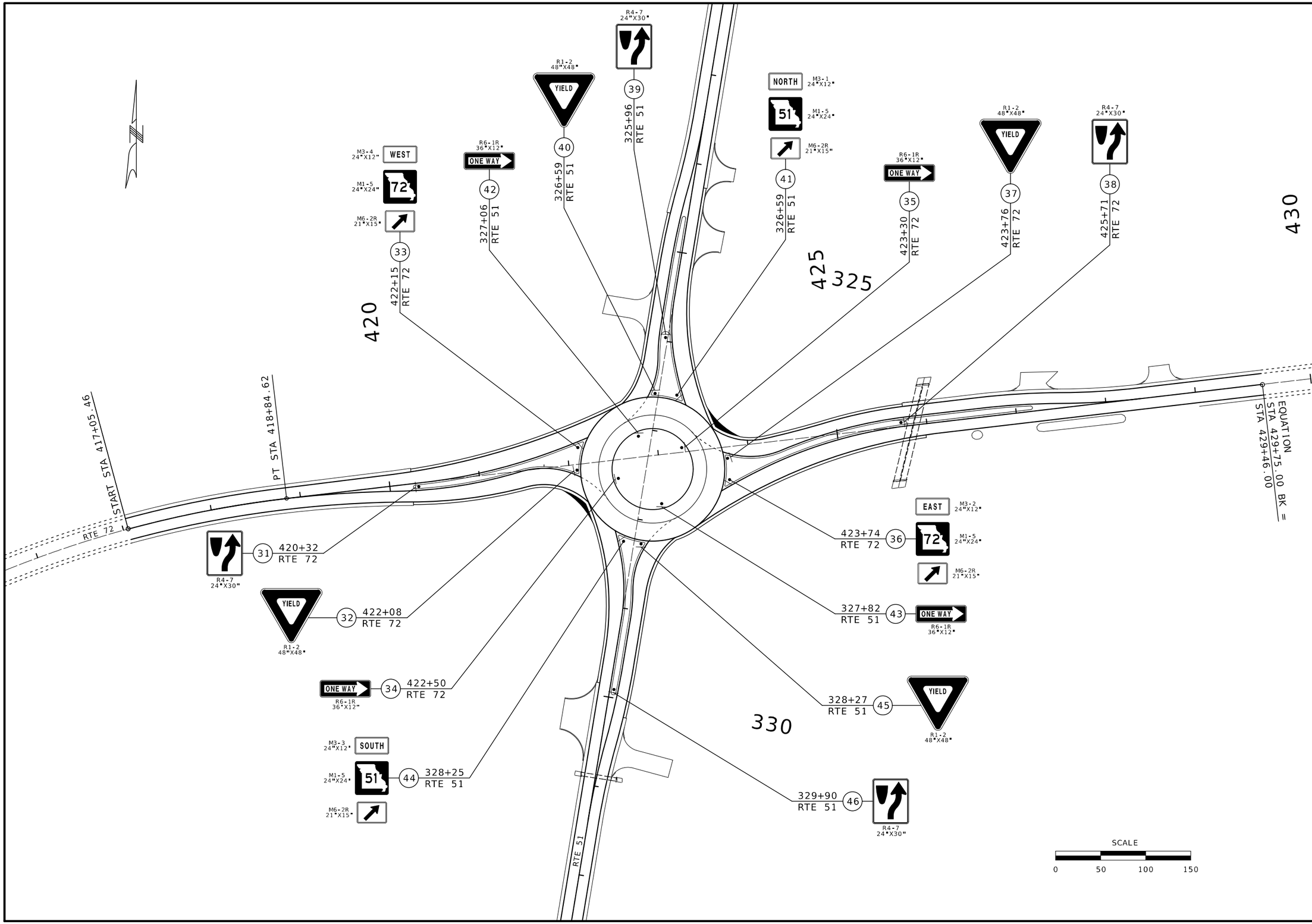
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGNING SHEET
SHEET 2 OF 6



STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:40:05 PM
TIMOTHY CHRISTOPHER PICKETT • CIVIL
MO-PE-2017000351

DATE PREPARED	
10/23/2024	
ROUTE 72/51	STATE MO
DISTRICT SE	SHEET NO. 30
COUNTY BOLLINGER	
JOB NO. J9P3842	
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)

SIGNING SHEET
SHEET 3 OF 6

EFFECTIVE: 07-01-2022

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)						CONCRETE FOOTINGS EMBEDDED	STRUCTURAL STEEL POSTS *						PIPE POSTS *					BACKING BARS **				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE												BREAK-AWAY ASSEMBLY	REMARKS AND OTHER REQUIRED ITEMS
																		2" X 3/8" BARS @ 2.55 LBS PER FT					2 IN. POST						2.5 IN. POST							
																										ANCHORS							ANCHORS			
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	ITEM NO. 9031010 CY	POST DES NO.	POST NO.1 LF	POST NO.2 LF	POST NO.3 LF	LBS PER FT	TOTAL ITEM NO. 9031210 LBS	PIPE SIZE IN.	POST NO.1 LF	POST NO.2 LF	LBS PER FT	TOTAL ITEM NO. 9031220 LBS	NO. EACH	LGTH IN.	TOTAL LF	TOTAL LBS	ITEM NO. 9031250A LF	POST NO.1 LF	POST NO.2 LF	TOTAL ITEM NO. 9031270A LF	DRIVEN 12-GA. ITEM NO. 9031271A EA	DRIVEN 7-GA. ITEM NO. 9031273A EA	CONCRETE 7-GA. ITEM NO. 9031274 EA	POST NO.1 LF	POST NO.2 LF	TOTAL ITEM NO. 9031280 LF	2.25" INSERT (6 FT) ITEM NO. 9031272A EA	DRIVEN 7-GA. ITEM NO. 9031281A EA	CONCRETE 7-GA. ITEM NO. 9031285 EA	ITEM NO. 9031241 EA	
1	ASSEM	411+93		RTE 72																			10.50		10.50	1										
2	ASSEM	413+93		RTE 72														6	50	25	63.75									16.25		16.25	1	1		1	
3	ASSEM	415+93		RTE 72																										12.75		12.75		1			
4	36x36	417+93		RTE 72																			11.50		11.50	1										
5	96x36	419+14		RTE 72																			9.25	8.50	17.75	1										
6	96x42	419+93		RTE 72																										11.50	11.50	23.00		2		2	
7	ASSEM	421+14		RTE 72																			10.75		10.75	1										
8	48x48	421+93		RTE 72																			10.75		10.75	1										
9	48x48	423+81		RTE 72																			11.00		11.00	1										
10	ASSEM	424+76		RTE 72																			11.50		11.50	1										
11	96x42	425+81		RTE 72																										11.75	13.50	25.25	2	2		2	
12	36x36	427+81		RTE 72																			10.25		10.25	1										
13	ASSEM	429+52 R2		RTE 72																			11.75		11.75	1										
14	96x36	430+50 R2		RTE 72																										9.75	11.00	20.75		2		2	
15	ASSEM	432+16 R2		RTE 72														6	50	25	63.75									16.25		16.25	1	1		1	
16	ASSEM	434+16 R2		RTE 72																			10.50		10.50	1										
17	ASSEM	316+49		RTE 51																			12.00		12.00	1										
18	ASSEM	318+49		RTE 51														6	50	25	63.75									17.75		17.75	1	1		1	
19	ASSEM	320+49		RTE 51																										14.25		14.25		1			
20	36x36	322+49		RTE 51																			10.50		10.50	1										
21	96x42	324+49		RTE 51																										10.00	8.25	18.25		2		2	
22	ASSEM	325+63		RTE 51																			11.75		11.75	1										
23	48x48	326+49		RTE 51																			11.75		11.75	1										
24	48x48	328+36		RTE 51																			11.75		11.75	1										
25	ASSEM	329+20		RTE 51																			10.25		10.25	1										
26	96x42	330+36		RTE 51																										11.75	13.50	25.25	2	2		2	
27	36x36	332+36		RTE 51																			11.50		11.50	1										
28	ASSEM	334+36		RTE 51																										13.25		13.25	1				
29	ASSEM	336+36		RTE 51														6	50	25	63.75									17.75		17.75	1	1		1	
30	ASSEM	338+36		RTE 51																			12.00		12.00	1										
31	24x30	420+32		RTE 72																			8.00		8.00	1										
32	48x48	422+08		RTE 72																			9.00		9.00	1										
33	ASSEM	422+15		RTE 72																			10.00		10.00	1										
34	36x12	422+50		RTE 72																			6.50		6.50	1										
35	36x12	423+30		RTE 72																			6.50		6.50	1										
36	ASSEM	423+74		RTE 72																			10.00		10.00	1										
37	48x48	423+76		RTE 72																			9.00		9.00	1										
38	24x30	425+71		RTE 72																			8.00		8.00	1										
39	24x30	325+96		RTE 51																			8.00		8.00	1										
40	48x48	326+59		RTE 51																			9.00		9.00	1										
41	ASSEM	326+59		RTE 51																			10.00		10.00	1										
42	36x12	327+06		RTE 51																			6.50		6.50	1										
43	36x12	327+82		RTE 51																			6.50		6.50	1										
44	ASSEM	328+25		RTE 51																			10.00		10.00	1										
45	48x48	328+27		RTE 51																			9.00		9.00	1										
46	24x30	329+90		RTE 51																			8.00		8.00	1										
				TOTAL																	260				342	34					221	9	16		14	

* 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 (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
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10:28:22 PM 1-30-38 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED: 10/23/2024
ROUTE: 72/51
STATE: MO
DISTRICT: SE
SHEET NO.: 31
COUNTY: BOLLINGER
JOB NO.: J9P3842
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

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

SIGNING SHEET
SHEET 4 OF 6

EFFECTIVE: 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	M2-1 (JCT)	M1-5 (51)	M1-5 (72)	M3-1 (NORTH)	M3-2 (EAST)	M3-3 (SOUTH)	M3-4 (WEST)	M6-3	M5-3	M5-1R	W2-6	W13-1P (15 M.P.H.)	W3-2	R1-2	R4-7	R6-1R (ONE WAY)	M6-2R
1	411+93	RTE 72	1	1															
2	413+93	RTE 72		2	1	1	1	1		1	1	1							
3	415+93	RTE 72											1	1					
4	417+93	RTE 72													1				
7	421+14	RTE 72			1				1										
8	421+93	RTE 72														1			
9	423+81	RTE 72														1			
10	424+76	RTE 72			1		1												
12	427+81	RTE 72													1				
13	429+52 R2	RTE 72											1	1					
15	432+16 R2	RTE 72		2	1	1		1	1	1	1	1							
16	434+16 R2	RTE 72	1	1															
17	316+49	RTE 51	1		1														
18	318+49	RTE 51		1	2		1	1	1	1	1	1							
19	320+49	RTE 51											1	1					
20	322+49	RTE 51													1				
22	325+63	RTE 51		1		1													
23	326+49	RTE 51														1			
24	328+36	RTE 51														1			
25	329+20	RTE 51		1				1											
27	332+36	RTE 51													1				
28	334+36	RTE 51											1	1					
29	336+36	RTE 51		1	2	1	1		1	1	1	1							
30	338+36	RTE 51	1		1														
31	420+32	RTE 72															1		
32	422+08	RTE 72														1			
33	422+15	RTE 72			1				1										1
34	422+50	RTE 72																1	
35	423+30	RTE 72																1	
36	423+74	RTE 72			1		1												1
37	423+76	RTE 72														1			
38	425+71	RTE 72															1		
39	325+96	RTE 51															1		
40	326+59	RTE 51														1			
41	326+59	RTE 51		1		1													1
42	327+06	RTE 51																1	
43	327+82	RTE 51																1	
44	328+25	RTE 51		1				1											1
45	328+27	RTE 51														1			
46	329+90	RTE 51															1		
		TOTAL	4	12	12	5	5	5	5	4	4	4	4	4	4	8	4	4	4

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	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
M2-1	STD	4	21"X15"	8.75			
M1-5 (RTE 51)	STD	12	24"X24"	48.00			
M1-5 (RTE 72)	STD	12	24"X24"	48.00			
M3-1	STD	5	24"X12"	10.00			
M3-2	STD	5	24"X12"	10.00			
M3-3	STD	5	24"X12"	10.00			
M3-4	STD	5	24"X12"	10.00			
M6-3	STD	4	21"X15"	8.75			
M5-3	STD	4	21"X15"	8.75			
M5-1R	STD	4	21"X15"	8.75			
W2-6	STD	4	36"X36"		36.00		
W13-1P	STD	4	24"X24"		16.00		
W3-2	STD	4	36"X36"		36.00		
R1-2	STD	8	48"X48"	128.00			
R4-7	STD	4	24"X30"	20.00			
R6-1R	STD	4	36"X12"	12.00			
M6-2R	STD	4	21"X15"	8.75			
5 - D2-3		1	96"X36"			24.00	
6 - D1-3d		1	96"X42"			28.00	
11 - D1-3d		1	96"X42"			28.00	
14 - D2-3		1	96"X36"			24.00	
21 - D1-3d		1	96"X42"			28.00	
26 - D1-3d		1	96"X42"			28.00	
		TOTAL	340		88	160	

* ORANGE, YELLOW & YELLOW/GREEN

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:39:24 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

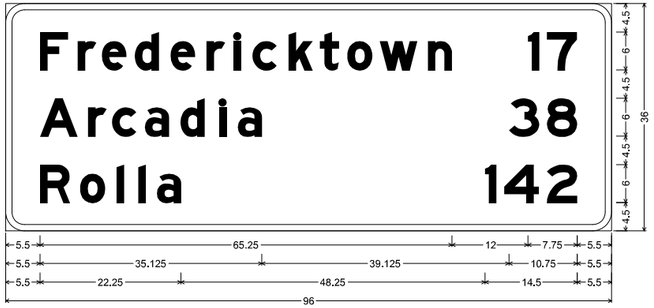
DATE PREPARED: 10/23/2024
ROUTE: 72/51 | STATE: MO
DISTRICT: SE | SHEET NO.: 32
COUNTY: BOLLINGER
JOB NO.: J9P3842
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

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

SIGNING SHEET
SHEET 5 OF 6

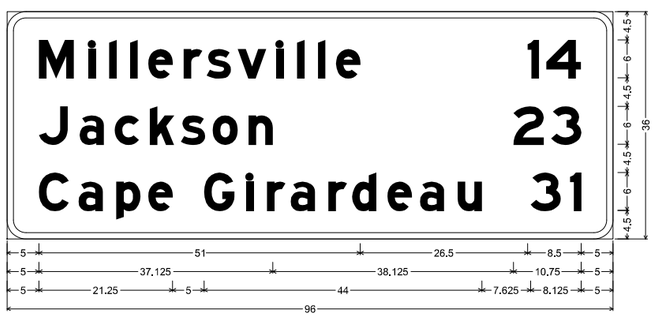
SIGN NO.	5
STATION	419+14
ROADWAY	RTE 72



D2-3 ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
"Fredericktown", E Mod; "17", E Mod; "Arcadia", E Mod; "38", E Mod; "Rolla", E Mod; "142", E Mod;
Table of letter and object lefts

F 5.500	r 11.375	e 15.250	d 20.500	e 26.125	r 31.875	i 36.125	c 39.125	k 44.750	t 49.750	o 54.125	w 59.250	n 66.875	1 82.750	7 85.750		
A 5.500	r 13.000	c 16.875	a 22.125	d 27.750	l 33.875	a 36.750	3 79.750	8 85.750								
R 5.500	o 11.750	l 17.625	l 21.000	a 24.000	l 76.000	4 79.000	2 85.750									

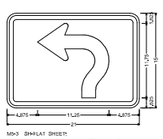
SIGN NO.	14
STATION	430+50 R2
ROADWAY	RTE 72



D2-3 ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
"Millersville", E Mod 95% spacing; "14", E Mod 95% spacing; "Jackson", E Mod 95% spacing;
"23", E Mod 95% spacing; "Cape Girardeau", E Mod 95% spacing; "31", E Mod 95% spacing;
Table of letter and object lefts

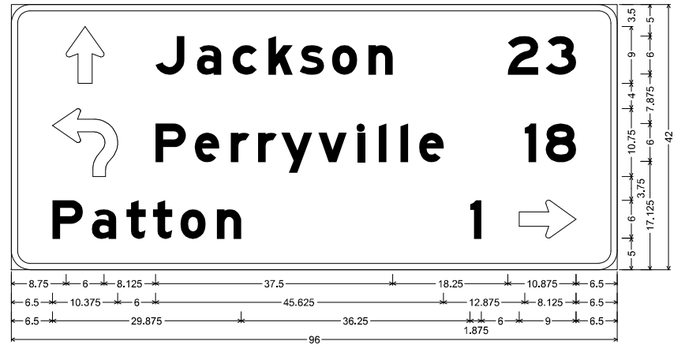
M 5.000	i 12.875	l 16.250	l 19.500	e 22.375	r 28.000	s 31.625	v 36.500	i 42.625	l 45.875	l 49.250	e 52.125	l 82.500	4 85.375	
J 5.000	a 11.500	c 17.000	k 22.625	s 27.500	o 32.625	n 38.250	2 80.250	3 86.125						
C 5.000	a 11.375	p 17.375	e 22.375	G 31.250	i 37.875	r 41.125	a 45.000	r 50.875	d 54.625	e 60.250	a 65.375	u 71.375	3 82.875	l 89.125

SIGN NO.	2,15,18,29
STATION	SEE SIGNING SHEET 2 OF 6
ROADWAY	RTE 51/72



M9-3 SIGNLAT SHEET:
1.000" Radius, 0.625" Border, 0.375" Indent, Black on, White;
Table of letter and object lefts

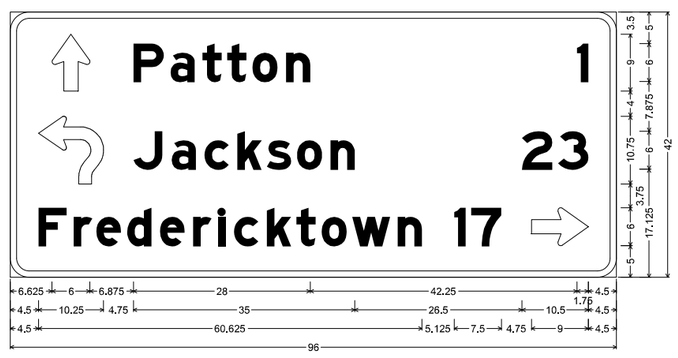
SIGN NO.	6
STATION	419+93
ROADWAY	RTE 72



D1-3d ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
Standard Arrow Custom 9.000" X 6.000" 90°; "Jackson", E Mod; "23", E Mod; "Perryville", E Mod; "18", E Mod;
"Patton", E Mod; "1", E Mod; Standard Arrow Custom 9.000" X 6.000" 0°;
Table of letter and object lefts

⇧ 8.750	J 22.875	a 29.375	c 35.000	k 40.750	s 45.750	o 50.750	n 56.625	2 78.625	3 84.625					
⇦ 6.500	P 22.875	e 29.125	r 34.750	r 39.125	y 42.750	v 48.625	i 54.750	l 58.250	l 61.625	e 64.625	l 81.375	8 84.625		
P 6.500	a 12.750	t 18.250	t 22.500	o 26.750	n 32.625	l 72.625	⇨ 80.500							

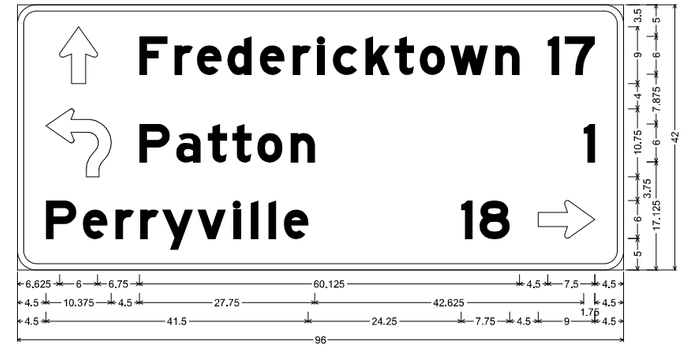
SIGN NO.	21
STATION	324+49
ROADWAY	RTE 51



D1-3d ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
Standard Arrow Custom 9.000" X 6.000" 90°; "Patton", E Mod 75% spacing; "1", E Mod 75% spacing;
"Jackson", E Mod 75% spacing; "23", E Mod 75% spacing; "Fredericktown", E Mod 75% spacing;
"17", E Mod 75% spacing; Standard Arrow Custom 9.000" X 6.000" 0°;
Table of letter and object lefts

⇧ 6.625	P 19.500	a 25.375	t 30.375	t 34.375	o 38.375	n 43.625	1 89.750									
⇦ 4.500	J 19.500	a 25.625	c 30.750	k 36.000	s 40.625	o 45.375	n 50.750	2 81.000	3 86.750							
F 4.500	r 10.000	e 13.625	d 18.500	e 23.750	r 29.000	l 32.875	c 35.375	k 40.625	t 45.250	o 49.375	w 54.125	n 61.375	l 70.250	7 73.000		
⇨ 82.500																

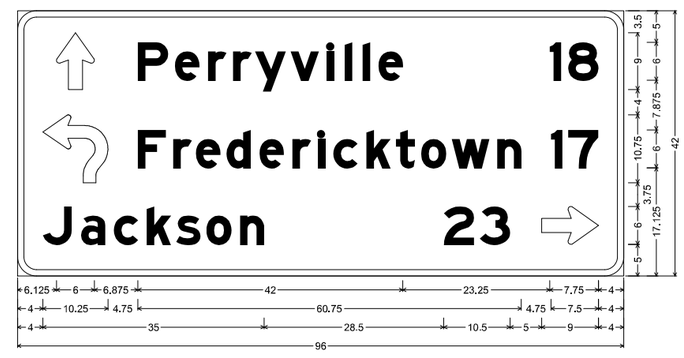
SIGN NO.	11
STATION	425+81
ROADWAY	RTE 72



D1-3d ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
Standard Arrow Custom 9.000" X 6.000" 90°; "Fredericktown", E Mod 72% spacing; "17", E Mod 72% spacing;
"Patton", E Mod 72% spacing; "1", E Mod 72% spacing; "Perryville", E Mod 72% spacing;
"18", E Mod 72% spacing; Standard Arrow Custom 9.000" X 6.000" 0°;
Table of letter and object lefts

⇧ 6.625	F 19.375	r 24.875	e 28.375	d 33.250	e 38.375	r 43.625	i 47.500	c 50.000	k 55.125	t 59.750	o 63.750	w 68.500	n 75.750			
	1 84.000	7 86.750														
⇦ 4.500	P 19.375	a 25.125	t 30.125	t 34.000	o 38.000	n 43.250	l 89.750									
P 4.500	e 10.375	r 15.500	r 19.500	y 22.875	v 28.500	i 34.250	l 37.000	l 39.750	e 42.250	l 70.250	8 73.250	⇨ 82.500				

SIGN NO.	26
STATION	330+36
ROADWAY	RTE 51



D1-3d ST-STRUCTURAL;
3.000" Radius, 1.000" Border, White on, Green;
Standard Arrow Custom 9.000" X 6.000" 90°; "Perryville", E Mod 75% spacing; "18", E Mod 75% spacing;
"Fredericktown", E Mod 75% spacing; "17", E Mod 75% spacing; "Jackson", E Mod 75% spacing;
"23", E Mod 75% spacing; Standard Arrow Custom 9.000" X 6.000" 0°;
Table of letter and object lefts

⇧ 6.125	P 19.000	e 24.875	r 30.125	r 34.125	y 37.625	v 43.250	i 49.000	l 51.750	l 54.625	e 57.125	l 84.250	8 87.250				
⇦ 4.000	F 19.000	r 24.625	e 28.250	d 33.125	e 38.250	r 43.500	l 47.500	c 50.000	k 55.250	t 59.875	o 63.875	w 68.750	n 76.000			
	1 84.500	7 87.250														
J 4.000	a 10.000	c 15.250	k 20.500	s 25.125	o 29.875	n 35.250	2 67.500	3 73.250	⇨ 83.000							

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER
10/28/2024 1:39:12 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	10/23/2024
ROUTE 72/51	STATE MO
DISTRICT SE	SHEET NO. 33
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

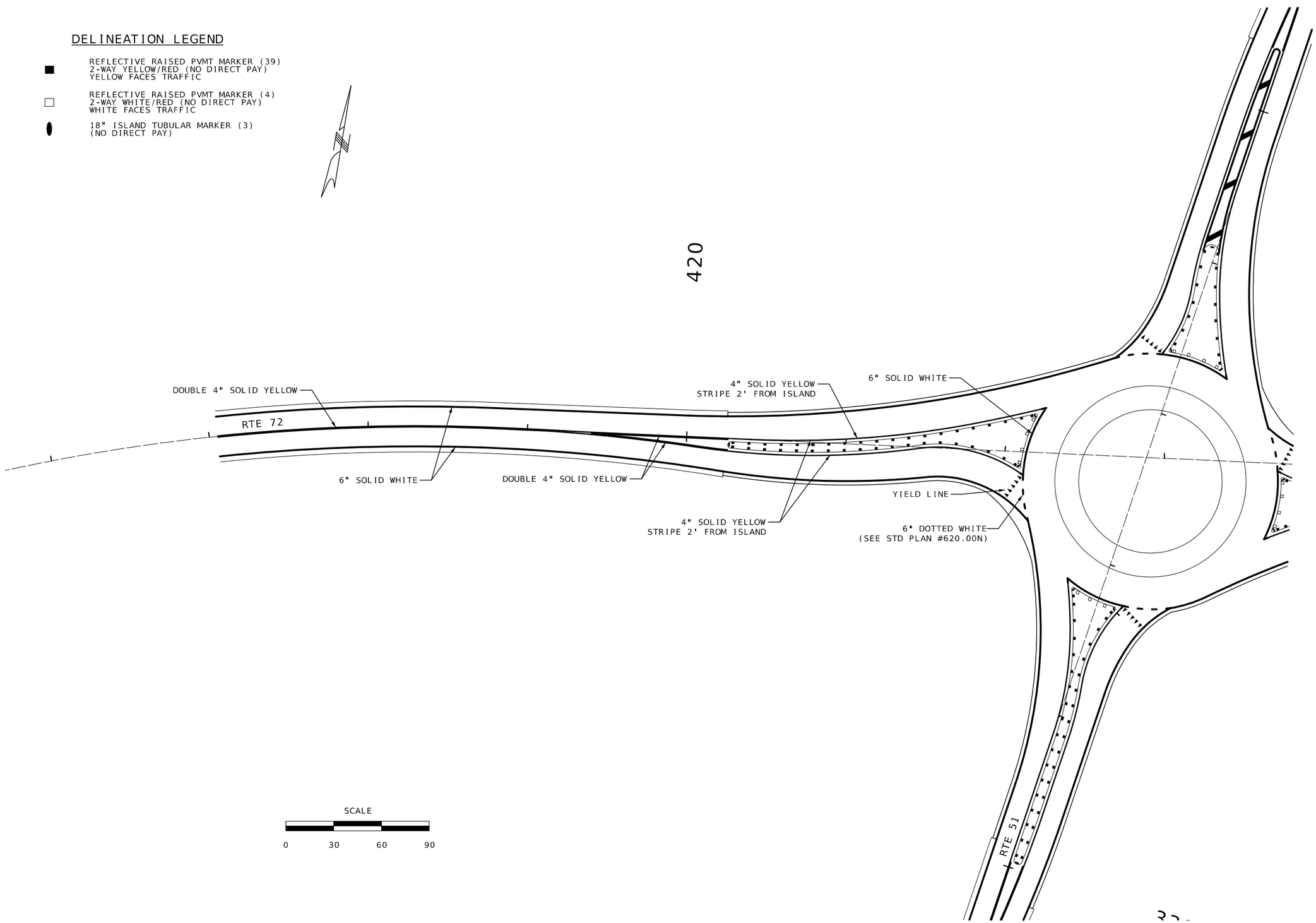
DATE	DESCRIPTION

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

SIGNING SHEET
SHEET 6 OF 6

DELINEATION LEGEND

- ■ REFLECTIVE RAISED PVMT MARKER (39)
  2-WAY YELLOW/RED (NO DIRECT PAY)
  YELLOW FACES TRAFFIC
- □ REFLECTIVE RAISED PVMT MARKER (4)
  2-WAY WHITE/RED (NO DIRECT PAY)
  WHITE FACES TRAFFIC
- ⬮ 18" ISLAND TUBULAR MARKER (3)
  (NO DIRECT PAY)



STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:35:55 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

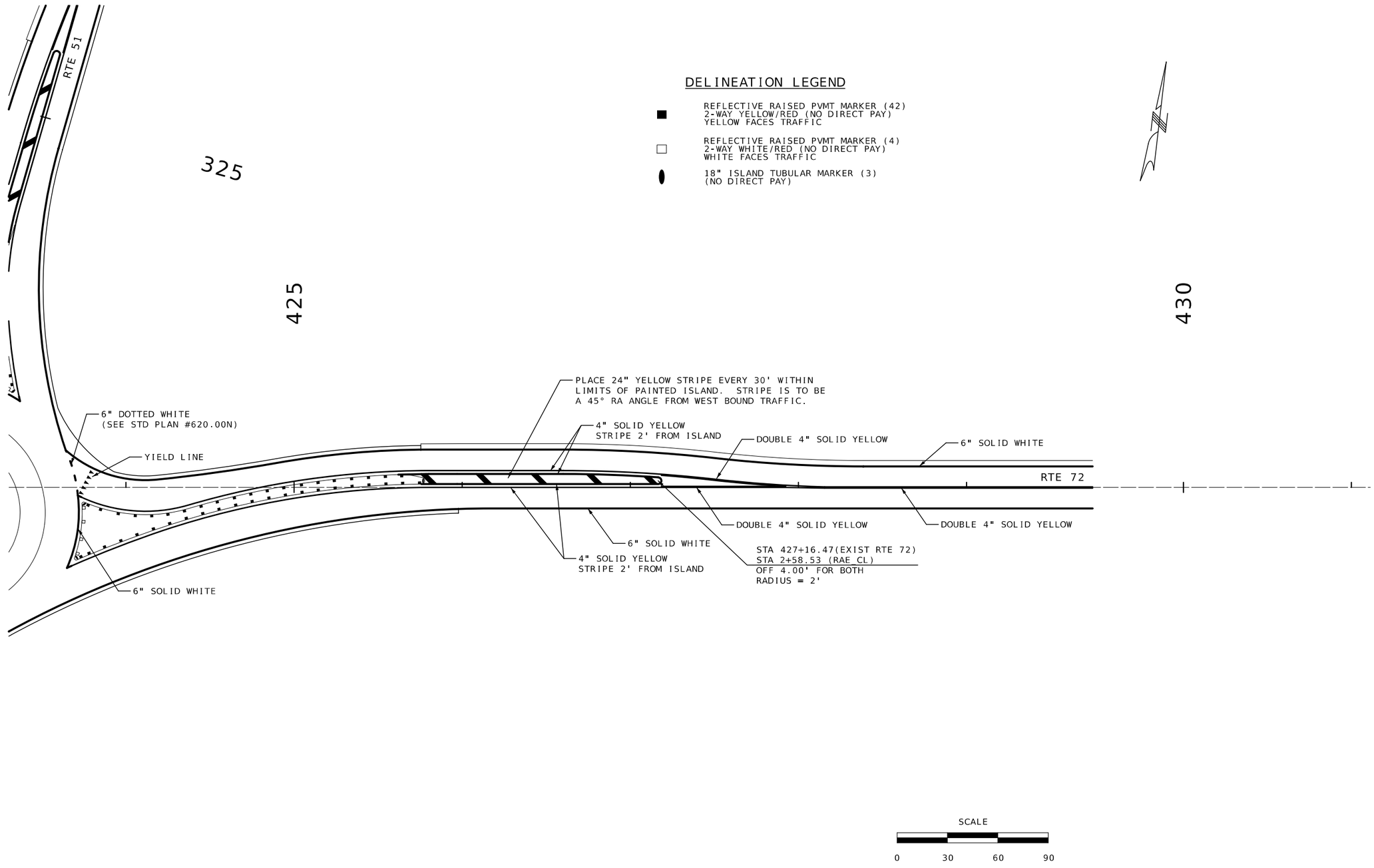
DATE PREPARED	10/24/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	34
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

RTE 72 (WEST LEG)
PAVEMENT MARKING
SHEET 1 OF 4



DELINEATION LEGEND

- REFLECTIVE RAISED PVMT MARKER (42)
  2-WAY YELLOW/RED (NO DIRECT PAY)
  YELLOW FACES TRAFFIC
- REFLECTIVE RAISED PVMT MARKER (4)
  2-WAY WHITE/RED (NO DIRECT PAY)
  WHITE FACES TRAFFIC
- 18" ISLAND TUBULAR MARKER (3)
  (NO DIRECT PAY)

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:35:36 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	10/24/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	35
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

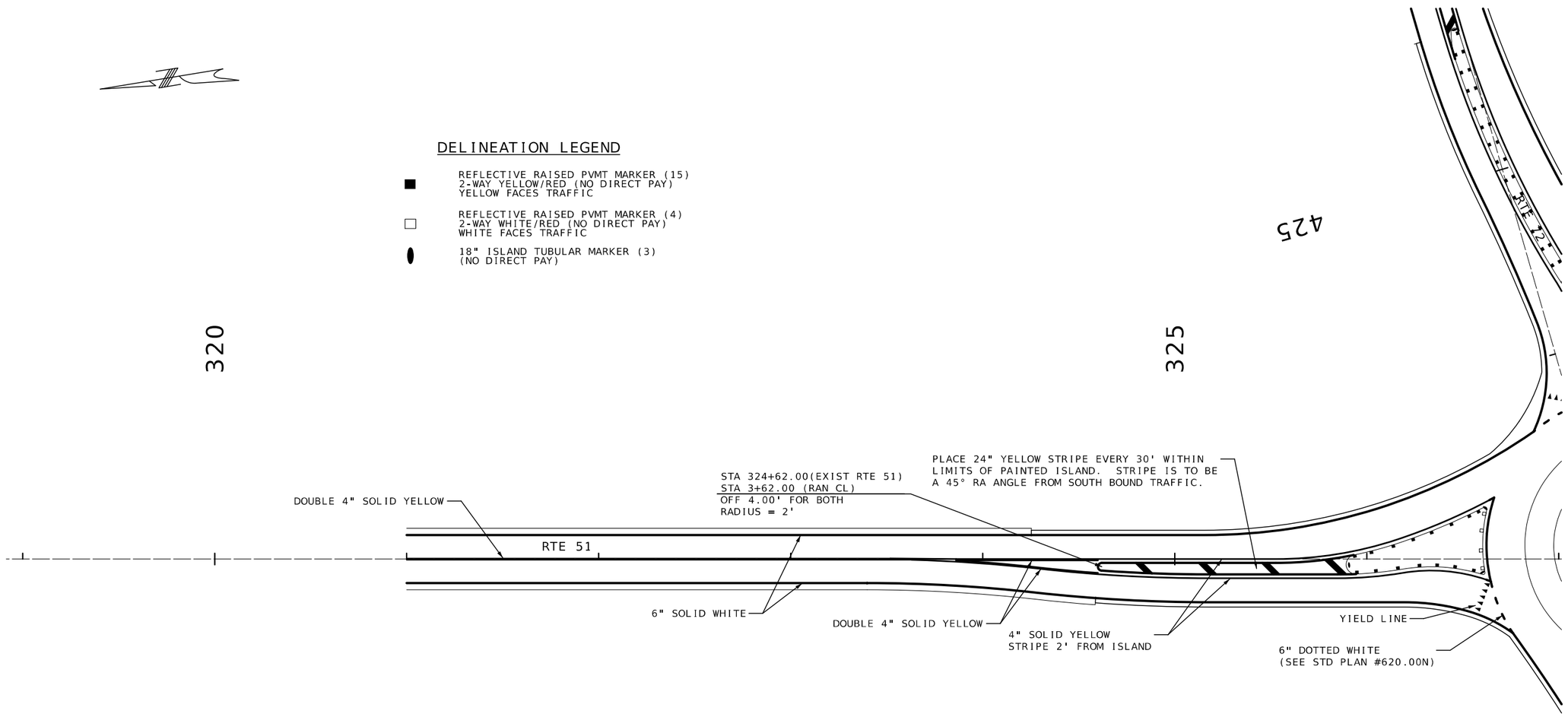
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

RTE 72 (EAST LEG)
PAVEMENT MARKING
SHEET 2 OF 4

DELINEATION LEGEND

- REFLECTIVE RAISED PVMT MARKER (15)
  2-WAY YELLOW/RED (NO DIRECT PAY)
  YELLOW FACES TRAFFIC
- REFLECTIVE RAISED PVMT MARKER (4)
  2-WAY WHITE/RED (NO DIRECT PAY)
  WHITE FACES TRAFFIC
- 18" ISLAND TUBULAR MARKER (3)
  (NO DIRECT PAY)



SCALE

0 30 60 90

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER
PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:38:20 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

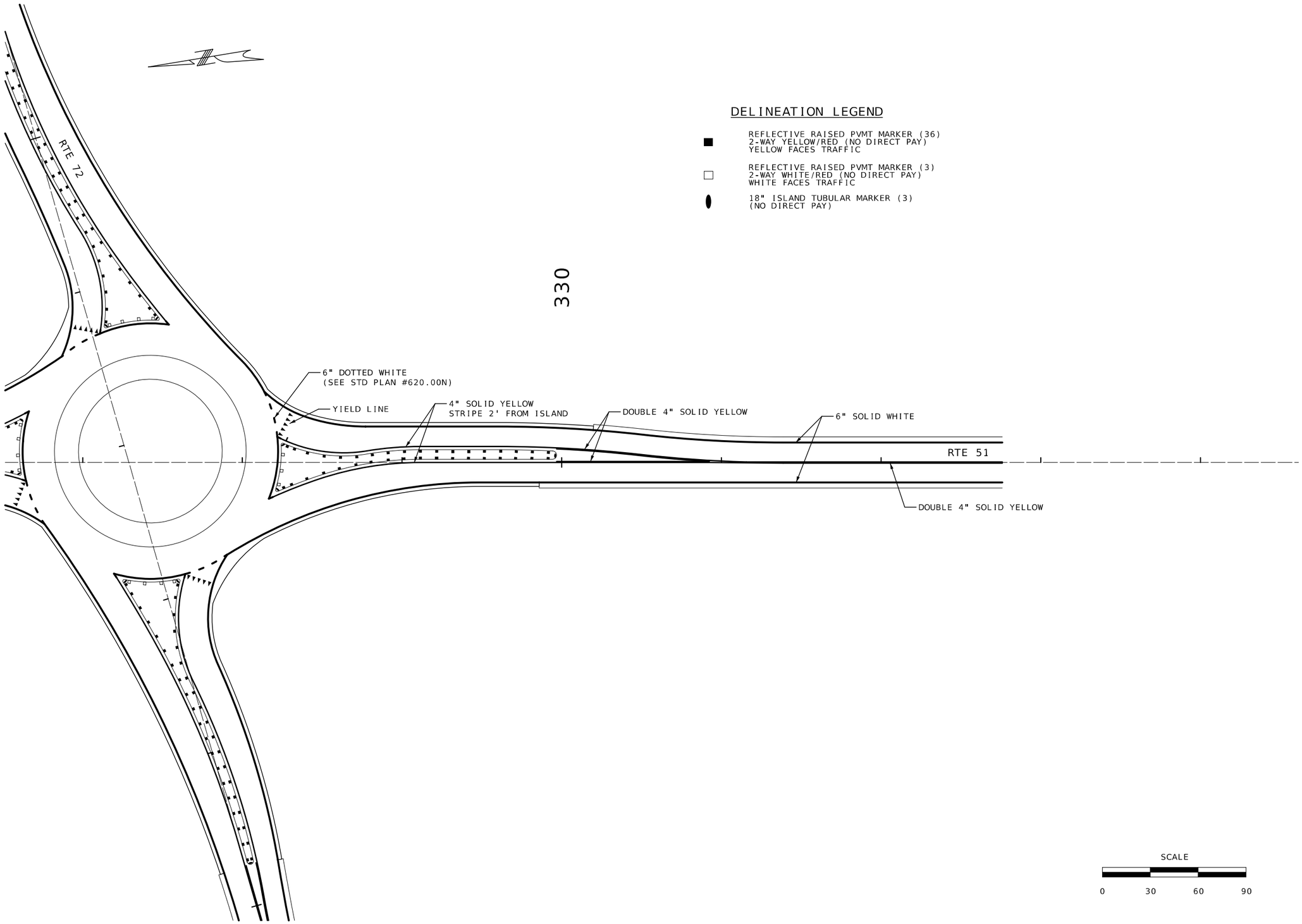
DATE PREPARED	10/24/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	36
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

RTE 51 (NORTH LEG)
PAVEMENT MARKING
SHEET 3 OF 4



DELINEATION LEGEND

- ■ REFLECTIVE RAISED PVMT MARKER (36)
  2-WAY YELLOW/RED (NO DIRECT PAY)
  YELLOW FACES TRAFFIC
- □ REFLECTIVE RAISED PVMT MARKER (3)
  2-WAY WHITE/RED (NO DIRECT PAY)
  WHITE FACES TRAFFIC
- ⬮ 18" ISLAND TUBULAR MARKER (3)
  (NO DIRECT PAY)

SCALE

0 30 60 90

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER
PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:38:07 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

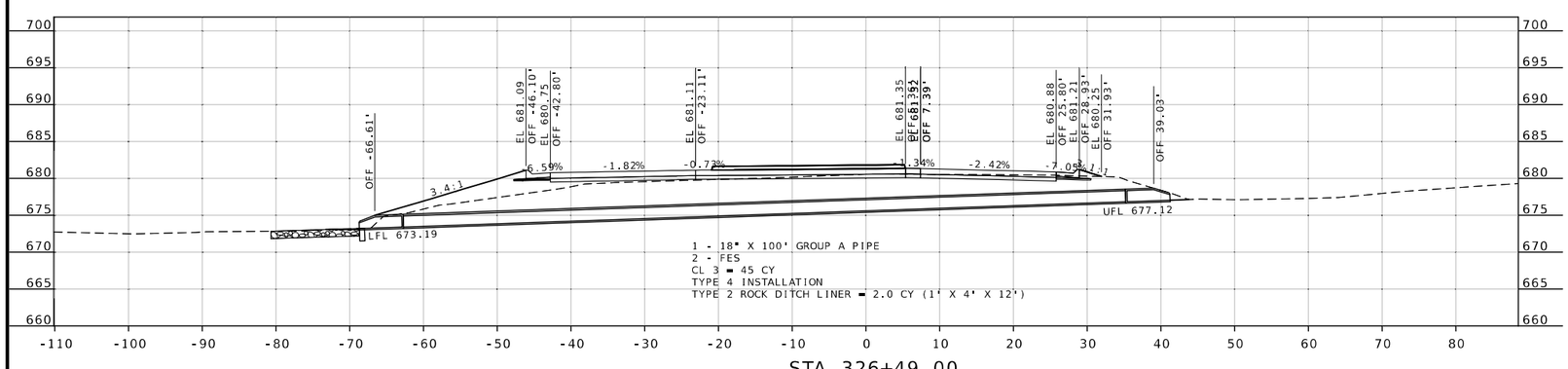
DATE PREPARED	10/24/2024
ROUTE	72/51
STATE	MO
DISTRICT	SE
SHEET NO.	37
COUNTY	BOLLINGER
JOB NO.	J9P3842
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

RTE 51 (SOUTH LEG)
PAVEMENT MARKING
SHEET 4 OF 4



STA 326+49.00

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:37:56 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

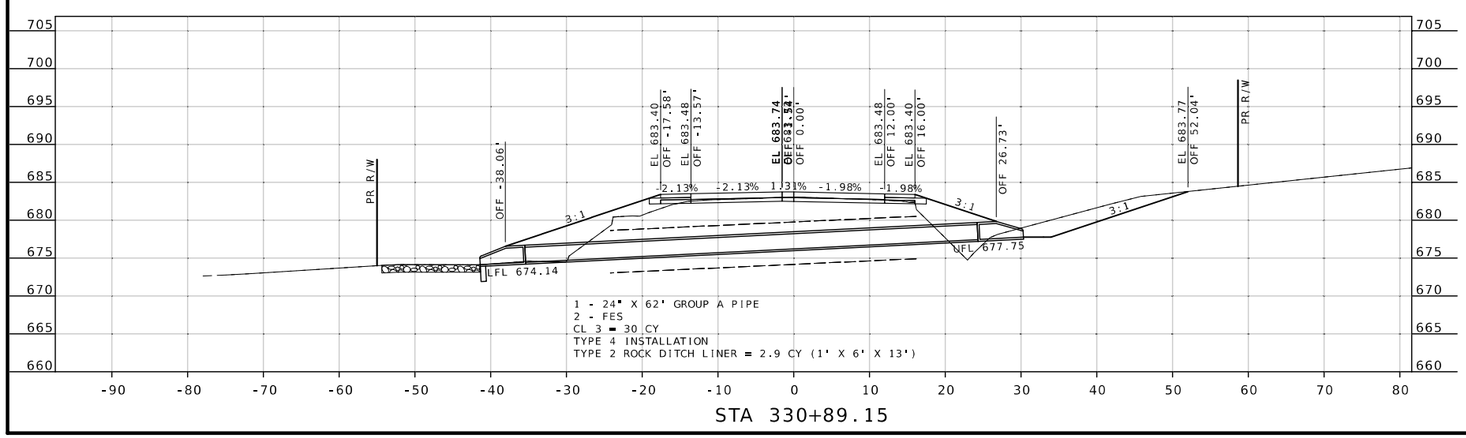
DATE PREPARED	
10/23/2024	
ROUTE	STATE
72/51	MO
DISTRICT	SHEET NO.
SE	38
COUNTY	
BOLLINGER	
JOB NO.	
J9P3842	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CULVERT SECTION
1 OF 2



STA 330+89.15

STATE OF MISSOURI
TIMOTHY CHRISTOPHER PICKETT
NUMBER PE-2017000351
PROFESSIONAL ENGINEER

10/28/2024 1:37:44 PM
TIMOTHY CHRISTOPHER PICKETT - CIVIL
MO-PE-2017000351

DATE PREPARED	
10/23/2024	
ROUTE	STATE
72/51	MO
DISTRICT	SHEET NO.
SE	39
COUNTY	
BOLLINGER	
JOB NO.	
J9P3842	
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)

CULVERT SECTION
2 OF 2