

DESIGN DESIGNATION
DIVIDED RTE. 340
A.A.D.T. - 2025 = 22,990
A.A.D.T. - 2045 = 28,052
UNDIVIDED RTE. 340
A.A.D.T. - 2025 = 10,837
A.A.D.T. - 2045 = 13,223
D.H.V. = 10.0%
T = 3.4%
V = 35-45 M.P.H.
D = 50.0%
FUNCTIONAL CLASSIFICATION- PRINCIPAL ARTERIAL

NO RIGHT-OF-WAY ACQUISITION

CONVENTIONAL SYMBOLS (USED IN PLANS)
BUILDINGS AND STRUCTURES
GUARD RAIL
GUARD CABLE
CONCRETE RIGHT-OF-WAY MARKER
STEEL RIGHT-OF-WAY MARKER
LOCATION SURVEY MARKER
UTILITIES
FIBER OPTICS
OVERHEAD CABLE TV
UNDERGROUND CABLE TV
OVERHEAD TELEPHONE
UNDERGROUND TELEPHONE
OVERHEAD POWER
UNDERGROUND POWER
SANITARY SEWER
STORM SEWER
GAS
WATER
MANHOLE
FIRE HYDRANT
WATER VALVE
WATER METER
DROP INLET
DITCH BLOCK
GROUND MOUNTED SIGN
LIGHT POLE
H-FRAME POWER POLE
TELEPHONE PEDESTAL
FENCE
CHAIN LINK
WOVEN WIRE
GATE POST
BENCHMARK
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

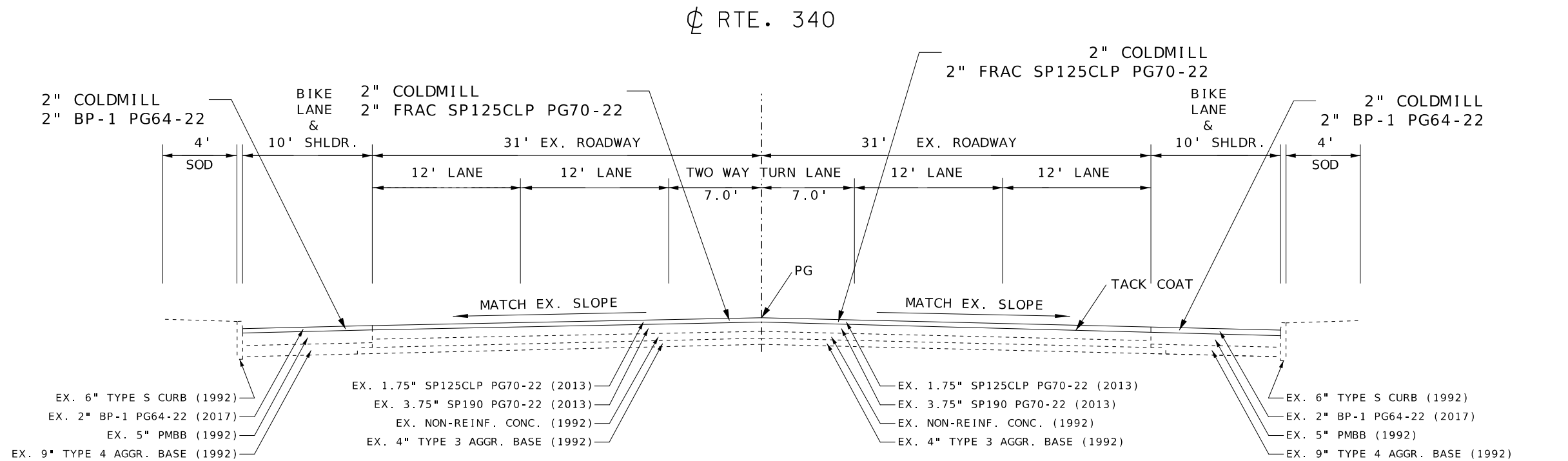
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
ST. LOUIS COUNTY
T 45 N R 4 E

KEY MAP LOCATION OF ST. LOUIS COUNTY
DISCLAIMER THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.
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
TITLE SHEET
TYPICAL SECTIONS (TS) (7 SHEETS)
QUANTITIES (QU) (13 SHEETS)
PLAN SHEETS (PP)
REFERENCE POINTS (RP)
COORDINATE POINTS (CP)
SPECIAL SHEETS (SS)
TRAFFIC CONTROL SHEETS (TC)
SIGNALS (SG)
SIGNING (SN)
PAVEMENT MARKING (PM)
ITS/EROSION CONTROL (ITS)/(EC)
SHEET NUMBER
1
2
3
4-19
20-23
24-25
26-30
31-44
45-85
86-111
112-127
128-156
STATE OF MISSOURI STUART ROBINSON MONEIL NUMBER PE-2006019687 PROFESSIONAL ENGINEER DATE PREPARED 7/30/2026 ROUTE 340 STATE MO DISTRICT SL SHEET NO. 1 COUNTY ST. LOUIS JOB NO. JSL0151 CONTRACT ID. PROJECT NO. BRIDGE NO.
DESCRIPTION
DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)
TITLE SHEET

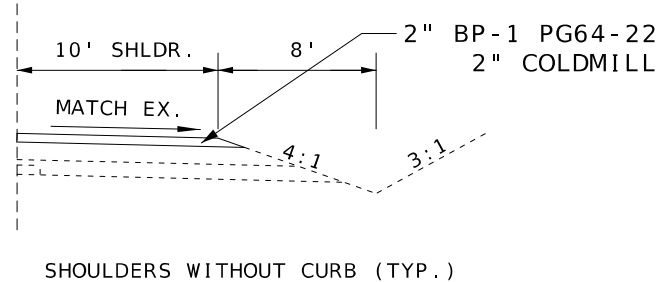
LENGTH OF PROJECT
BEGINNING OF PROJECT
END OF PROJECT
APPARENT LENGTH
EQUATIONS AND EXCEPTIONS:
STA. 4+50.00 BK = STA. 4+36.50 AH (+13.50')
STA. 13+57.30 BK = STA. 13+70.00 AH (-12.70')
STA. 17+47.31 BK = STA. 17+42.17 AH (+5.14')
STA. 85+03.18 BK = STA. 85+01.01 AH (+2.17')
STA. 124+05.87 BK = STA. 124+05.42 AH (+0.45')
STA. 149+82.80 BK = STA. 149+82.04 AH (+0.76')
TOTAL CORRECTIONS
NET LENGTH OF PROJECT
STATE LENGTH
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES
9.32 FEET
20309.32 FEET
3.846 MILES
0.10 ACRES

TYPICAL SECTION SHEET
SHEET 1 OF 7

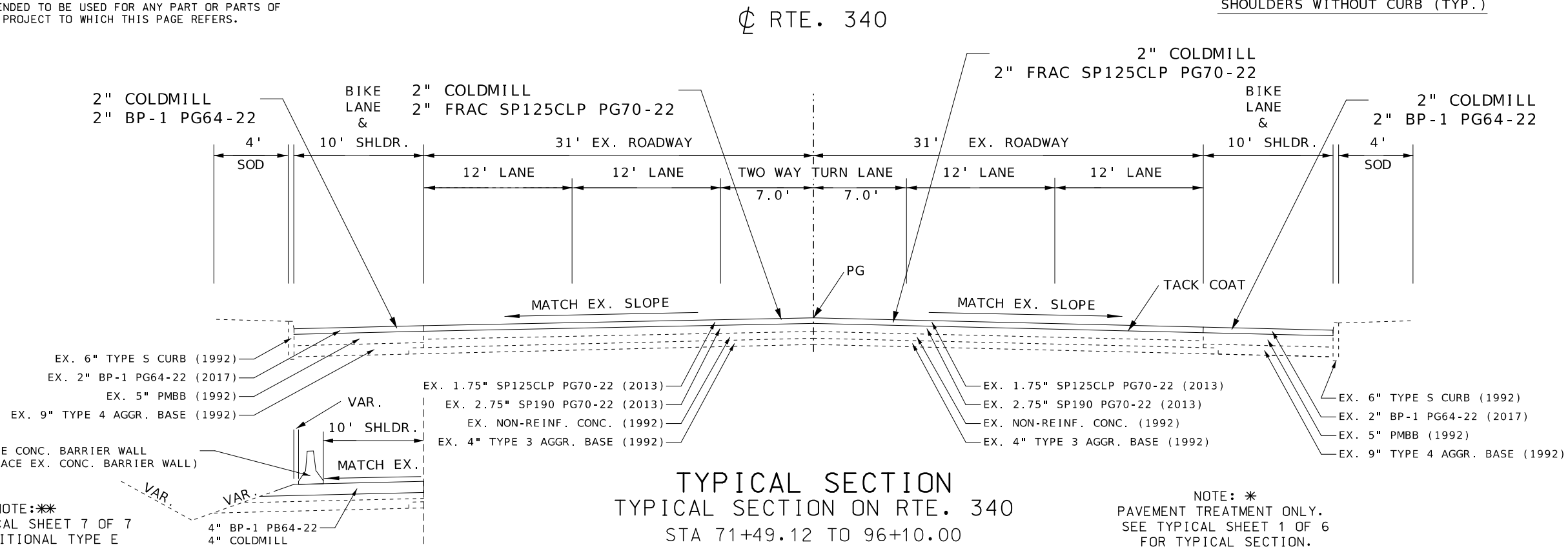


TYPICAL SECTION
TYPICAL SECTION ON RTE. 340
STA 67+60.00 TO 71+49.12

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SHOULDERS WITHOUT CURB (TYP.)



TYPICAL SECTION
TYPICAL SECTION ON RTE. 340
STA 71+49.12 TO 96+10.00
STA 96+10 TO 97+00 *

NOTE: **
SEE TYPICAL SHEET 7 OF 7
FOR ADDITIONAL TYPE E
BARRIER WALL DETAILS.

SHOULDER WITH TYPE E BARRIER
LT STA 73+32.00 TO 82+49.00

NOTE: *
PAVEMENT TREATMENT ONLY.
SEE TYPICAL SHEET 1 OF 6
FOR TYPICAL SECTION.

NOT TO SCALE

STATE OF MISSOURI

STUART ROBINSON MONEIL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

Stuart M. Moneil

07/27/2026 8:42:38 AM

STUART ROBINSON MONEIL - CIVIL

MO-PE-2006019687

DATE PREPARED

7/24/2026

ROUTE

340

STATE

MO

DISTRICT

SL

SHEET NO.

2

COUNTY

ST. LOUIS

JOB NO.

JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

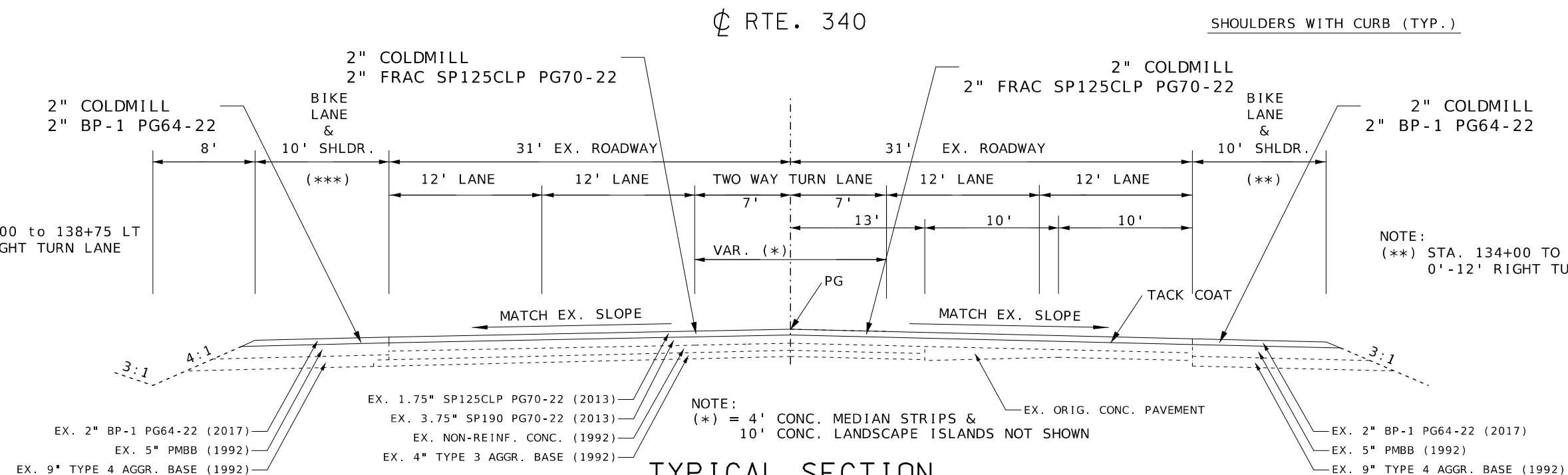
105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTION SHEET

SHEET 2 OF 7



1992) —
TYPICAL SECTION
TYPICAL SECTION ON RTE. 340
STA 126+72 TO 175+43.33

NOT TO SCALE



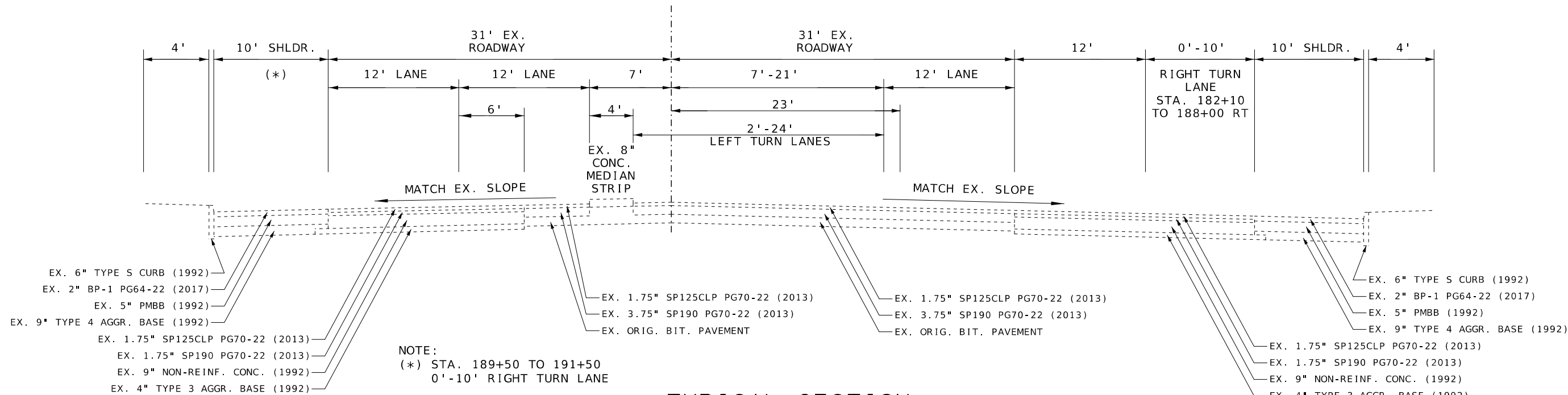
NOTE:
 (***) STA. 137+00 to 138+75 LT
 0'-12' RIGHT TURN LANE

NOTE:
(**) STA. 134+00 TO 135+50 RT
0' - 12' RIGHT TURN LANE

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☉ RTE. 340



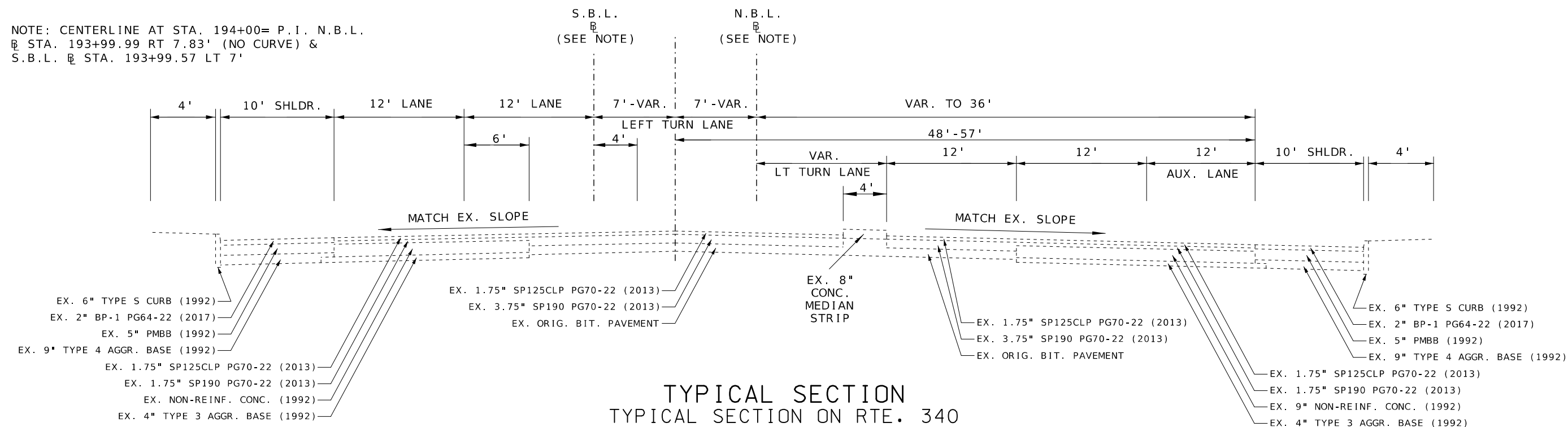
TYPICAL SECTION
TYPICAL SECTION ON RTE. 340
STA 175+43.33 TO 188+81.94

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NOTE: TYPICAL SECTIONS PROVIDED FOR INFORMATION ONLY. SEE THE STAENBERG GROUP PERMIT PROJECT PLANS FOR ROADWAY IMPROVEMENTS FROM STA 175+43.33 TO 203+00 ROUTE 340.

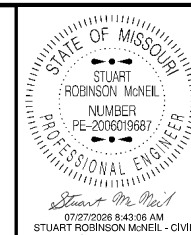
NOTE: CENTERLINE AT STA. 194+00= P.I. N.B.L.
@ STA. 193+99.99 RT 7.83' (NO CURVE) &
S.B.L. @ STA. 193+99.57 LT 7'

☉ RTE. 340



TYPICAL SECTION
TYPICAL SECTION ON RTE. 340
STA 188+81.94 TO 196+00

NOT TO SCALE



DATE PREPARED
7/24/2026
ROUTE 340 STATE MO
DISTRICT SL SHEET NO. 2

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

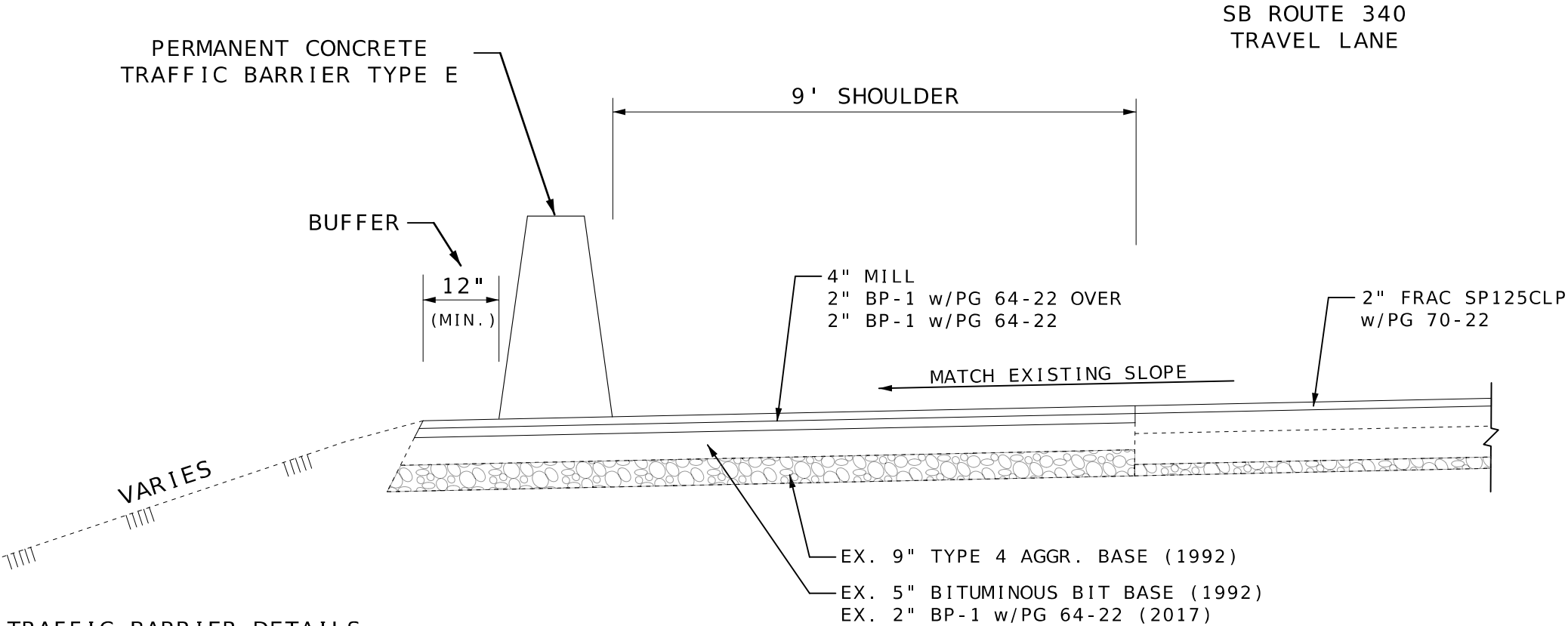
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

TYPICAL SECTION SHEET SHEET 5 OF 7

OPTIONAL PAVEMENT			
LOCATION	BASE TYPE	HMA DESIGN	COMPOSITE PAVEMENT
ROUTE 340	4" TYPE 5 AGGREGATE BASE	<u>12.5" HMA</u> 4" FRAC SP125CLP 70-22 OVER 8.5" SP190 64-22	<u>COMPOSITE PAVEMENT</u> 2" FRAC SP125CLP 70-22 OVER 10.0" PCCP 15 FT. JOINT SPACING, 1 1/4" DOWELS



- GENERAL NOTES:
- FOR CONCRETE TRAFFIC BARRIER DETAILS, SEE STD PLAN 617.10N.
 - EX. DROP INLETS IN SHOULDER SHALL BE UIP AND NOT COVERED BY BARRIER WALL.
 - EX. ITS CONCRETE SINGLE PULL BOXES IN SHOULDER SHALL BE UIP.

TYPICAL SECTION TYPE E
BARRIER AT BACK OF SHOULDER
LT STA 73+32.00 TO 82+49.00

NOT TO SCALE

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DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 2
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

TYPICAL SECTION SHEET
SHEET 7 OF 7

REMOVAL OF IMPROVEMENTS (2 OF 2)									
SHEET	RDWY	STATION	STATION	LOC.	DESCRIPTION	QUANTITY (L.F.)	QUANTITY (S.F.)	QUANTITY (EA.)	REMARKS
11	340	89+70.03	89+80.93	RT	INTEGRAL CURB TYPE A	12			AT DOWNALL GREEN DR. APPROACH
11	340	90+32.78	90+47.63	RT	INTEGRAL CURB TYPE A	16			AT DOWNALL GREEN DR. APPROACH
11	340	94+29.40	94+39.40	LT	TYPE S CURB	10			AT FOREST CLUB DR. APPROACH
11	340	98+14.84	98+18.84	RT	TYPE S CURB	4			AT EX. DROP INLET
11	340	100+12.36	100+21.69	LT	INTEGRAL CURB TYPE A	16			AT CLARKSON MILL CIRCLE APPROACH
11	340	87+00.00	100+25.00	LT & RT	ROADWAY SIGNS		16.5		VARIOUS SIGN R&R (SEE SIGNING SHEETS FOR DETAILS)
12	340	102+00.47	102+04.47	LT	TYPE S CURB	4			
12	340	101+74.56	102+93.79	CL	MEDIAN STRIP NOSES		28.6		MEDIAN ISLAND NOSES
12	340	106+07.71		LT	SENSYS TRAVEL TIME PUCK ARRAY			1	SB RTE 340 LANE 1 (SEE JSP FOR DETAILS ON REMOVAL)
12	340	106+93.77	107+27.74	LT	DETECTION LOOPS (6'X30')			3	KEHRS MILL RD LT, THRU, & RT LANES
12	340	107+53.76	107+92.96	LT	CONC. ISLAND		183.3		ISLAND CUT THROUGH & ISLAND FACE
12	340	107+56.86	107+84.70	RT	SIDEWALK & CURB RAMP		85.4	1	NORTHEAST CORNER OF KEHRS MILL RD
12	340	108+30.26		RT	SENSYS TRAVEL TIME PUCK ARRAY			1	NB RTE 340 LANE 1 (SEE JSP FOR DETAILS ON REMOVAL)
12	340	VAR.	VAR.	VAR.	KEHRS MILL RD. SIGNAL ITEMS				REMOVE: SIGNAL CABINET & CONTROLLER (X1), CCTV CAMERA ASSEMBLY (X1), CLASS 1 ITS PULL BOX (X1), VIDEO DETECTION (X4), 5 SECTION SIGNAL HEAD (X2), 64.5 SQ.FT. SIGNAL SIGNS
12	340	100+25.00	113+50.00	LT & RT	ROADWAY SIGNS		165.3		VARIOUS SIGN R&R (SEE SIGNING SHEETS FOR DETAILS)
13	340	114+37.11	115+72.74	RT	GUARDRAIL & CWET (X2)				
13	340	118+47.78	119+49.69	LT	ISLAND (X2), CUT THROUGH		871.5		ISLANDS & CUT THROUGH AT MARQUETTE H.S.
13	340	118+69.69	118+83.39	RT	SIDEWALK & CURB RAMP		15.8	2	SOUTHEAST CORNER OF COUNTRY RIDGE DR.
13	340	119+21.28	119+36.64	RT	SIDEWALK & CURB RAMP		18.3	1	NORTHEAST CORNER OF COUNTRY RIDGE DR.
13	340	118+07.98	119+85.83	LT & RT	DETECTION LOOPS (6'X30')			6	NB & SB RTE. 340 LT TURN & THRU LANES AT COUNTRY RIDGE DR
13	340	125+71.51	125+77.68	CL	TYPE S CURB	8			RADIUS OF LANDSCAPE ISLAND
13	340	VAR.	VAR.	VAR.	COUNTRY RIDGE DR. SIGNAL ITEMS				REMOVE: SIGNAL CABINET & CONTROLLER (X1), P/S (X1), TYPE CL SIGNAL POST W/ARM (X4), 8' PED POST W/C BASE & PUSHBUTTONS (X2), PREFORMED PULL BOX (X4), CLASS 1 ITS PULL BOX (X2), 77.2 SQ.FT. SIGNAL SIGNS
13	340	113+50.00	126+75.00	LT & RT	ROADWAY SIGNS		56.5		VARIOUS SIGN R&R (SEE SIGNING SHEETS FOR DETAILS)
14	340	135+87.43	136+02.38	LT	SIDEWALK & CURB RAMP		54.3	1	SOUTHWEST CORNER OF WILSON AVE.
14	340	136+08.46	136+36.23	RT	ISLAND & CUT THROUGH		246.5		SOUTHEAST CORNER OF CLARKSON WOODS DR.
14	340	136+21.71	136+39.10	LT	ISLAND & CUT THROUGH				SOUTHWEST CORNER OF WILSON AVE.
14	340	136+84.16	137+02.37	LT	CONC. ISLAND		151.0		NORTHWEST CORNER OF WILSON AVE.
14	340	137+17.40	137+42.44	RT	SIDEWALK & CURB RAMP		99.5	1	NORTHEAST CORNER OF CLARKSON WOODS DR.
14	340	135+40.0	137+75.00	LT & RT	DETECTION LOOPS (6'X30')			6	NB & SB RTE. 340 LT TURN & THRU LANES AT WILSON/CLARKSON WOODS
14	340	VAR.	VAR.	VAR.	WILSON AVE. / CLARKSON WOODS DR. . SIGNAL ITEMS				REMOVE: SIGNAL CABINET & CONTROLLER (X1), P/S (X1), TYPE C SIGNAL POST W/ARM (X4), PREFORMED PULL BOX (X5), CLASS 1 ITS PULL BOX (X1), 70.2 SQ.FT. SIGNAL SIGNS
14	340	131+14		LT	WOOD SIGN POST			1	SIGN 93
14	340	136+11	137+00.00	LT & RT	PSST POST			3	SIGNS 98, 100 & 103
14	340	126+75	140+00.00	LT & RT	ROADWAY SIGNS		147.0		VARIOUS SIGN R&R (SEE SIGNING SHEETS FOR DETAILS)
15	340	150+95.00	151+00.00	CL	TYPE S CURB	5			LANDSCAPE MEDIAN ISLAND CURB
15	340	151+04.87	151+14.87	CL	TYPE S CURB	10			LANDSCAPE MEDIAN ISLAND CURB
15	340	151+95.19	152+05.19	LT	TYPE S CURB	10			AT DROP INLET
15	340	140+00.00	153+25.00	LT & RT	ROADWAY SIGNS		43.0		VARIOUS SIGN R&R (SEE SIGNING SHEETS FOR DETAILS)
16	340	153+86.45	153+91.45	RT	TYPE S CURB	5			AT PARK FOREST DR. APPROACH
16	340	156+96.90	157+01.90	LT	INTEGRAL CURB TYPE A	5			AT WALDEN POND LN. APPROACH
16	340	158+28.90	158+35.79	CL	TYPE S CURB	7			MEDIAN LANDSCAPE ISLAND CURB
16	340	164+92.17	164+97.66	CL	TYPE S CURB	8			MEDIAN LANDSCAPE ISLAND CURB
16	340	153+25.00	166+50.00	LT & RT	ROADWAY SIGNS		19.0		VARIOUS SIGN R&R (SEE SIGNING SHEETS FOR DETAILS)
17	340	174+72.25	174+74/75	LT	APPROACH CURB 6"	2			SAW CUT & REMOVE CURB TAPER DOWN
17	340	178+65.13	178+69.31	CL	TYPE S CURB	15			LANDSCAPE MEDIAN ISLAND CURB
17	340	166+50.00	175+43.33	LT & RT	ROADWAY SIGNS		16.0		VARIOUS SIGN R&R (SEE SIGNING SHEETS FOR DETAILS)
18	340	188+02.00		RT	ITS PULL BOX			1	IN SIDEWALK
18	340	189+94.00		RT	ITS PULL BOX			1	NEAR BAXTER SIGNAL CABINET
19	340	195+53.00		RT	ITS PULL BOX			1	IN SIDEWALK SOUTH OF CONC. ENTRANCE
19	340	202+17.00		LT	ITS PULL BOX			1	BEHIND CURB
19	340	200+66.83	200+91.33	RT	SIDEWALK		95.2		AT EX. SIGNAL CABINET (REMOVED FOR CONDUIT RUNS)
19	340	VAR.	VAR.	VAR.	LEA OAK DR. SIGNAL ITEMS				REMOVE: SIGNAL CABINET & CONTROLLER (X1), P/S (X1), TYPE BL SIGNAL POST W/ARMS (X2), 8' PED POST W/C BASE (X3), 15' PED/SIGNAL POST W/C BASE (X2), CLASS 3 PULL BOX (X1), CLASS 2 PULL BOX (X4), CLASS 1 ITS PULL BOX (X2), VIDEO DETECTION (X4) & BRACKET ARMS WITH LED- A LUMINAIRE (X3), CCTV CAMERA ASSEMBLY (X1), 70.2 SQ.FT. SIGNAL SIGNS
PAY TOTAL						= 1 LUMP SUM			

STATE OF MISSOURI

STUART ROBINSON MCNEIL

NUMBER
PE-2006019687

PROFESSIONAL ENGINEER

Stuart McNeil

07/31/2026 10:09:30 AM

STUART ROBINSON MCNEIL - CIVIL

MO-PE-2006019687

DATE PREPARED

7/31/2026

ROUTE

340

STATE

MO

DISTRICT

SL

SHEET NO.

3

COUNTY

ST. LOUIS

JOB NO.

JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

PAVEMENT MARKING																			
PLAN SHEET NO.	RDWY	STATION	STATION	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)				PREFORMED THERMOPLASTIC										REMARKS	
				4" WIDE SOLID YELLOW (L.F.)	4" WIDE INTERMITTENT YELLOW (L.F.)	6" WIDE SOLID WHITE (L.F.)	6" WIDE INTERMITTENT WHITE (L.F.)	6" WIDE DOTTED WHITE INTERSECTION (L.F.)	PAVEMENT MARKING 24" WHITE (L.F.)	PVMT. MARKING 24" CONTINENTAL CROSSWALK (L.F.)	PAVEMENT MARKING 24" YELLOW (L.F.)	PAVEMENT MARKING 24"x36" YIELD TRI. (EA.)	PVMT. MARKING "BIKE & ARROW" SYMBOL (EA.)	PVMT. MARKING "BIKE & CHEVRONS" SYMBOL (EA.)	PAVEMENT MARKING STR. ARROW (EA.)	PAVEMENT MARKING LT. ARROW (EA.)	PAVEMENT MARKING RT. ARROW (EA.)		
1	ROUTE 340	0+00.00	4+50.00 BK	740	39	2316	133	57	159	150		11			2	4	4	EQUATION BK, INCLUDES MANCHESTER RD	
1	ROUTE 340	4+36.50 AH	7+50.00	628	157	567	157	39								2		EQUATION AH	
2	ROUTE 340	7+50.00	13+57.30 BK	1036	48	1422	197		72	156						2		EQUATION BK	
2	ROUTE 340	13+70.00 AH	17+47.31 BK	725	173	616	189									2		EQUATION AH/EQUATION BK	
2	ROUTE 340	17+42.17 AH	20+90.00	598	27	867	69		120	252						1		EQUATION AH, INCLUDES MARSH AVE	
3	ROUTE 340	20+90.00	34+00.00	2620	622	2269	639									5			
4	ROUTE 340	34+00.00	47+40.00	3108	373	5915	622	99	162	414		25	1	1		14	5	INCLUDES CLAYTON RD	
5	ROUTE 340	47+40.00	60+50.00	2620	636	2071	655	33					5	1		4	1		
6	ROUTE 340	60+50.00	73+75.00	2650	663	2440	663						4			4			
7	ROUTE 340	73+75.00	85+03.18 BK	2256	564	2135	564						4			4		EQUATION BK	
7	ROUTE 340	85+01.01 AH	87+00.00	398	100	374	100						1			1		EQUATION AH	
8	ROUTE 340	87+00.00	100+25.00	2650	663	2453	663						6			5			
9	ROUTE 340	100+25.00	113+50.00	2559	110	5303	381	105	160	408	89	11	3	9		6	4	INCLUDES KEHRS MILL RD	
10	ROUTE 340	113+50.00	124+05.87 BK	1927	296	2373	424	46	84	132		10	5	1		6	2	EQUATION BK, INCLUDES COUNTRY RIDGE DR	
10	ROUTE 340	124+05.42 AH	126+75.00	538	50	539	135						2					EQUATION AH	
11	ROUTE 340	126+75.00	140+00.00	2223	383	3711	506	115	145	228		15	8	2		7	1	INCLUDES WILSON RD & CLARKSON WOODS DR	
12	ROUTE 340	140+00.00	149+82.80 BK	1966	68	1966	491						4					EQUATION BK	
12	ROUTE 340	149+82.04 AH	153+25.00	686	77	658	172											EQUATION AH	
13	ROUTE 340	153+25.00	166+50.00	2650	327	2522	663		18				6			2			
14	ROUTE 340	166+50.00	179+75.00	1786	443	1560	447						4			4			
15	ROUTE 340	179+75.00	193+00.00															NO PAVEMENT MARKING. INCLUDED ON STAENBERG GROUP PERMIT	
16	ROUTE 340	193+00.00	203+00															NO PAVEMENT MARKING. INCLUDED ON STAENBERG GROUP PERMIT	
				SUBTOTAL	34364	5819	42077	7870	494	920	1740	89	72	53	14	2	73	17	
				PAY TOTAL	40183		49947		494	2660		89	72	53	14	2	90		

PAVEMENT MARKING REMOVAL								
PLAN SHEET NO.	RDWY	STATION	STATION	PAVEMENT MARKING PAINT				REMARKS
				4" WIDE SOLID YELLOW (L.F.)	4" WIDE INTERMITTENT YELLOW (L.F.)	6" WIDE SOLID WHITE (L.F.)	6" WIDE INTERMITTENT WHITE (L.F.)	
10-11	ROUTE 340	72+32	86+10	1378	345	370	345	LANE SHIFT FOR TYPE E BARRIER WALL PLACEMENT (SEE TC SHEET)
				TOTAL	1378	345	370	345
				PAY TOTAL	2438			

TEMPORARY PAVEMENT MARKING PAINT	
PAY TOTAL	1 LUMP SUM

PAVEMENT MARKING REMOVAL WITHIN CONCRETE SURFACES									
PLAN SHEET NO.	RDWY	LOC.	STATION	STATION	PAVEMENT MARKING PAINT	PREFORMED THERMOPLASTIC			REMARKS
					6" WIDE SOLID WHITE (L.F.)	PAVEMENT MARKING 24" WHITE (L.F.)	PVMT. MARKING 24" CONTINENTAL CROSSWALK (L.F.)	PAVEMENT MARKING 24"x36" YIELD TRI. (EA.)	
110	ROUTE 340	LT	19+58.70	20+15.19			72		MARSH AVE CONCRETE APPROACH
118	ROUTE 340	RT	118+76.64	119+26.10		12	60		COUNTRY RIDGE DR CONCRETE PAVEMENT
119	ROUTE 340	RT	135+90.04	136+96.60	108	30	66	8	CLARKSON WOODS DR CONCRETE PAVEMENT
119	ROUTE 340	LT	135+96.55	137+17.58	97	4	30		WILSON AVE CONCRETE PAVEMENT
					PAY TOTAL = 1 LUMP SUM				

SUMMARY OF QUANTITIES
SHEET 5 OF 13

STATE OF MISSOURI

STUART ROBINSON McNEIL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

Stuart McNeil

09/04/2026 12:40:11 PM

STUART ROBINSON McNEIL - CIVIL

MO-PE-2006019687

DATE PREPARED

9/3/2026

ROUTE 340

STATE MO

DISTRICT SL

SHEET NO. 3

COUNTY

ST. LOUIS

JOB NO.

JSL0151

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)

ISLANDS, TUBULAR MARKERS, AND CURB REFLECTORS										
PLAN SHEET NO.	RDWY	STA	STA	LOC	6" CONCRETE MEDIAN STRIP / ISLAND (S.Y.)	18 IN. WHITE ISLAND TUBULAR MARKERS (EA.)	18 IN. YELLOW ISLAND TUBULAR MARKERS (EA.)	CURB REFLECTORS (WHITE) (EA.)	CURB REFLECTORS (YELLOW) (EA.)	REMARKS
4	340	0+38.00	3+32.00	CL			2.0		22.0	EX. CONC. MEDIAN STRIP
5	340	12+14.20	14+01.67	CL			2.0		12.0	EX. CONC. MEDIAN STRIP
7	340	41+56.83	43+61.13	CL			2.0		14.0	EX. CONC. MEDIAN STRIP
7	340	44+84.51	46+88.62	CL			2.0		14.0	EX. CONC. MEDIAN STRIP
7	CLAYTON RD.	5+52.96	7+57.24	CL			2.0		14.0	EX. CONC. MEDIAN STRIP
7	CLAYTON RD.	2+12.60	4+45.60	CL			2.0		16.0	EX. CONC. MEDIAN STRIP
7	340	43+61.35	44+86.80	VAR.		12.0		36.0		EX. CONC. ISLAND (X4)
12	340	101+74.56	102+93.79	CL			2.0		8.0	EX. CONC. MEDIAN STRIP
12	340	101+74.56	101+78.56	CL	1.6					MEDIAN STRIP NOSE
12	340	102+89.79	102+93.79	CL	1.6					MEDIAN STRIP NOSE
12	340	103+70.59	106+52.90	CL			2.0		18.0	EX. CONC. MEDIAN STRIP
12	340	106+30.89	107+94.93	VAR.		6.0		18.0		EX. CONC. ISLAND (X2)
12	340	107+53.76	107+92.96	LT	3.9					NEW ISLAND EDGE
12	340	107+62.33	107+69.80	LT	11.4					ISLAND CUT THROUGH (SIDEWALK PAID AS 6" CONCRETE MEDIAN STRIP PER JSP)
12	340	107+98.40	111+30.80	CL			1.0		22.0	EX. CONC. MEDIAN STRIP
13	340	118+47.89	118+76.91	LT	30.4	3.0		12.0		NEW ISLAND
13	340	119+22.79	119+54.81	LT	56.4	3.0		9.0		NEW ISLAND
13	340	123+22.72	125+77.68	CL					16.0	EX. CONC. MEDIAN STRIP
14	340	133+96.17	135+81.63	CL			2.0		14.0	EX. CONC. MEDIAN STRIP
14	340	136+07.89	136+36.22	RT	23.7	3.0		9.0		NEW ISLAND
14	340	136+22.47	136+39.10	LT	23.4	3.0		9.0		NEW ISLAND
14	340	136+82.93	137+00.08	LT	22.8	3.0		9.0		NEW ISLAND
14	340	137+31.38	138+73.07	CL			2.0		12.0	EX. CONC. MEDIAN STRIP
14	340	136+64.75	136+65.09	LT			2.0		8.0	EX. CONC. MEDIAN STRIP (WILSON AVE.)
14	340	136+56.94	136+63.79	RT			1.0		7.0	EX. CONC. MEDIAN STRIP (CLARKSON WOODS DR.)
15	340	141+36.13	151+71.88	CL					68.0	EX. LANDSCAPED MEDIAN ISLAND W/CURB
16	340	141+36.13	151+71.88	CL					44.0	EX. LANDSCAPED MEDIAN ISLAND W/CURB
SUBTOTALS					175.2	33.0	24.0	102.0	309.0	
PAY TOTALS					176.0	57.0		411.0		

GUARDRAIL								
PLAN SHEET NO.	ROADWAY	STATION	STATION	MGS 6' POSTS GUARDRAIL (L.F.)	(MASH) TYPE A CRASHWORTHY END TERMINAL (EA.)	MGS VERTICAL CONCRETE BARRIER TRANSITION (EA.)	SHAPING SLOPES CL III (100FT)	REMARKS
10	340	82+49.00	82+86.50			1		AT END OF NEW TYPE E TRAFFIC BARRIER
10	340	82+86.50	83+36.50		1		1	AT END OF VERTICAL CONCRETE BARRIER TRANSITION
13	340	114+37.11	115+72.74	37.5	2		2	RT. SIDE OF RTE. 340 NORTH OF PICARDY PLACE DR. ENTRANCE
TOTALS				37.5	3	1	3	
PAY TOTALS				38	3	1	3	

ENTRANCES AND STREET CONNECTIONS						
PLAN SHEET NO.	RDWY	STA	LOC	PAVED APPROACH, 8 IN. (S.Y.)	4 IN. TYPE 5 AGGREGATE BASE (S.Y.)	REMARKS
5	340	9+78.23	RT	13.7	13.7	COMMERCIAL ENTRANCE SE CORNER (AT CURB RAMP R&R)
5	340	9+90.67	LT	5.9	5.9	FROESEL DR SW CORNER (AT CURB RAMP R&R)
5	340	19+45.02	RT	18.1	18.1	MARSH AVE SE CORNER (AT CURB RAMP R&R)
5	340	19+50.01	LT	13.6	13.6	MARSH AVE SW CORNER (AT CURB RAMP R&R)
5	340	20+14.99	RT	7.9	7.9	MARSH AVE NE CORNER (AT CURB RAMP R&R)
5	340	20+22.60	LT	4.5	4.5	MARSH AVE NW CORNER (AT CURB RAMP R&R)
TOTALS				63.7	63.7	
PAY TOTALS				64	*	

* SEE SUMMARY OF TYPE 5 AGGREGATE BASE FOR PAY TOTALS.

TYPE 5 AGGREGATE SUMMARY		
DESCRIPTION	TYPE 5 AGG. FOR BASE (4 IN. THICK) (S.Y.)	REMARKS
SIDEWALK	174.0	
ENTRANCES	63.7	
CURB & GUTTER	42.8	
OPTIONAL PAVEMENT	181.1	
TOTALS	461.6	
PAY TOTALS	462.0	

STATE OF MISSOURI

STUART ROBINSON MANUEL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

09/04/2026 12:40:19 PM

STUART ROBINSON MANUEL - CIVIL

MO-PE-2006019687

DATE PREPARED

9/3/2026

ROUTE

340

STATE

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SHEET NO.

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ST. LOUIS

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MoDOT

FULL DEPTH PAVEMENT REPAIRS														
PLAN SHEET NO.	LANE #	STA.	RDWY	DIRECTION	WIDTH (FT)	LENGTH (FT)								DESCRIPTION
							FULL DEPTH PAVEMENT REPAIRS							
							FURNISHING AND PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIRS (S.Y.)	FULL DEPTH SAW CUT FOR FULL DEPTH PAVEMENT REPAIR (L.F.)	SUBGRADE COMPACTION 6IN DEPTH FOR FULL DEPTH PAVEMENT REPAIR (S.Y.)	TYPE I OR V AGGR. FOR BASE 4"THICK FOR FULL DEPTH PAVEMENT REPAIR (S.Y.)	DOWEL BARS DRILL, FURNISH & INST. FOR FULL DEPTH PAVEMENT REPAIR (EA.)	DOWEL BAR FURNISH & INSTALL WITH BASKETS FOR FULL DEPTH PAVEMENT REPAIR (EA.)	TIE BAR DRILL, FURNISH & INST. FOR FULL DEPTH PAVEMENT REPAIR (EA.)	
18	1	180+00	RTE. 340	NB	12	6	8.0	42.0	8.0	8.0	24			FULL DEPTH
18	2	180+00	RTE. 340	NB	12	6	8.0	42.0	8.0	8.0	24			FULL DEPTH
18	1	188+81.94	BAXTER RD	EB	12	6	8.0	42.0	8.0	8.0	24			FULL DEPTH
18	2	188+81.94	BAXTER RD	EB	12	6	8.0	42.0	8.0	8.0	24			FULL DEPTH
18	1	188+81.94	BAXTER RD	EB	12	6	8.0	42.0	8.0	8.0	24			FULL DEPTH
18	1	188+81.94	BAXTER RD	EB	12	6	8.0	42.0	8.0	8.0	24			FULL DEPTH
18	2	188+81.94	BAXTER RD	EB	12	6	8.0	42.0	8.0	8.0	24			FULL DEPTH
18	1	188+81.94	BAXTER RD	EB	12	6	8.0	42.0	8.0	8.0	24			FULL DEPTH
18	LEFT TURN	193+00	RTE. 340	NB	12	6	8.0	42.0	8.0	8.0	24			FULL DEPTH
18	1	193+00	RTE. 340	NB	12	6	8.0	42.0	8.0	8.0	24			FULL DEPTH
19	1	197+00	RTE. 340	NB	12	6	8.0	42.0	8.0	8.0	24			FULL DEPTH
19	2	197+00	RTE. 340	NB	12	6	8.0	42.0	8.0	8.0	24			FULL DEPTH
19	3	197+00	RTE. 340	NB	12	6	8.0	42.0	8.0	8.0	24			FULL DEPTH
VAR.	VAR.	VAR.	RTE. 340	VAR.	VAR.	VAR.	26.0	136.0	26.0	26.0	78	7	10	TBD BY ENGINEER
TOTALS							130.0	682.0	130.0	130.0	390	7	10	
PAY TOTALS							130.0	682.0	130.0	130.0	390	7	10	

PARTIAL DEPTH PAVEMENT REPAIRS									
PLAN SHEET NO.	LANE #	STATION	RDWY	DIRECTION	WIDTH (FT)	LENGTH (FT)			
							PARTIAL DEPTH PAVEMENT REPAIR		
							REMOVAL FOR CLASS B PARTIAL DEPTH PVMT REPAIR (S.Y.)	FURNISHING & PLACING BIT. MATERIAL FOR CLASS B PARTIAL DEPTH PVMT REPAIR (TONS)	DESCRIPTION
4	1/2	3+25	RTE. 340	NB	4	100	44.444	9.580	JOINT
5	1/2	13+50	RTE. 340	NB	2	50	11.111	2.395	JOINT
6	2	23+75	RTE. 340	SB	4	25	11.111	2.395	LEFT HALF PATCH
6	1	25+75	RTE. 340	NB	12	25	33.333	7.185	FULL WIDTH PATCH
17	1/2	178+50	RTE. 340	NB	4	250	111.111	23.951	JOINT
17	1	179+00	RTE. 340	SB	6	30	20.000	4.311	LEFT HALF PATCH
17	LT TURN LN	179+00	RTE. 340	SB	12	30	40.000	8.622	FULL WIDTH PATCH
18	CENTER LN/1	181+25	RTE. 340	NB	2	200	44.444	9.580	JOINT
18	1/2	181+25	RTE. 340	NB	2	100	22.222	4.790	JOINT
18	2/SHOULDER	181+50	RTE. 340	NB	2	50	11.111	2.395	JOINT
18	1/2	182+25	RTE. 340	NB	2	175	38.889	8.383	JOINT
18	1/2	182+25	RTE. 340	SB	4	350	155.556	33.531	JOINT
18	LT TURN LN/1	183+25	RTE. 340	SB	2	25	5.556	1.198	JOINT
18	1/2	183+75	RTE. 340	SB	2	50	11.111	2.395	JOINT
18	1/2	188+75	RTE. 340	NB	2	75	16.667	3.593	JOINT
18	CENTER LN/1	189+00	RTE. 340	NB	4	50	22.222	4.790	JOINT
19	RT TURN/SHOULDER	201+00	RTE. 340	NB	4	75	33.333	7.185	JOINT
19	1/2	201+50	RTE. 340	NB	2	25	5.556	1.198	JOINT
19	2/3	201+50	RTE. 340	NB	2	25	5.556	1.198	JOINT
19	2/SHOULDER	201+00	RTE. 340	SB	2	30	6.667	1.437	JOINT
19	1/2	202+00	RTE. 340	SB	2	25	5.556	1.198	JOINT
19	2/3	202+00	RTE. 340	SB	2	25	5.556	1.198	JOINT
VAR.	VAR.	VAR.	RTE. 340	VAR.	VAR.	VAR.	165.275	35.627	TBD BY ENGINEER
TOTALS							826.387	178.135	
PAY TOTALS							826.4	178.1	

STATE OF MISSOURI

STUART ROBINSON MONEIL

NUMBER
PE-2006019687

PROFESSIONAL ENGINEER

Stuart M. Moneil

09/04/2026 12:40:29 PM

STUART ROBINSON MONEIL - CIVIL

MO-PE-2006019687

DATE PREPARED
9/3/2026

ROUTE
340

DISTRICT
SL

STATE
MO

SHEET NO.
3

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

DITCH CLEANOUT AND LINEAR GRADING							
PLAN SHEET NO.	RDWY	STA	STA	LOC		L LINEAR GRADING CLASS II, MODIFIED (STA.)	REMARKS
					CULVERT CLEANOUT (EA.)		
5	340	9+56.88	9+91.87	RT		0.35	SIDEWALK & CURB RAMP R&R
5	340	9+78.33	9+96.74	LT		0.18	CURB RAMP R&R
5	340	19+11.87	19+52.15	RT		0.40	SIDEWALK & CURB RAMP R&R
5	340	19+30.64	19+63.79	LT		0.33	SIDEWALK & CURB RAMP R&R
5	340	19+99.11	20+39.83	RT		0.41	SIDEWALK & CURB RAMP R&R
5	340	20+09.92	20+78.42	LT		0.69	SIDEWALK & CURB RAMP R&R
6	340	33+43.40	33+63.40	LT		0.20	SIDEWALK R&R
7	340	40+55.29	40+70.29	RT		0.15	SIDEWALK R&R
12	340	107+54.05	107+84.70	RT		0.31	SIDEWALK & CURB RAMP R&R
13	340	118+47.90	118+76.90	LT		0.29	ISLAND R&R
13	340	118+69.69	118+83.39	RT		0.14	SIDEWALK & CURB RAMP R&R
13	340	119+21.28	119+35.38	RT		0.14	SIDEWALK & CURB RAMP R&R
13	340	119+22.81	119+50.81	LT		0.28	ISLAND R&R
14	340	135+87.43	136+02.38	LT		0.15	SIDEWALK & CURB RAMP R&R
14	340	137+17.30	137+42.44	RT		0.25	SIDEWALK & CURB RAMP R&R
19	340	200+66.83	200+91.33	RT		0.25	SIDEWALK R&R
VAR.	340	VAR.	VAR.	VAR.	14		TBD BY ENGINEER
TOTALS					14	4.52	
PAY TOTALS					14	4.5	

INLET COVER REPLACEMENT					
PLAN SHEET NO.	RDWY	STA	LOC		REMARKS
				INLET COVER REPLACEMENT (EA.)	
4	340	0+48.00	LT	1	RADIUS OF SB RTE. 340 TO WB RTE. 100
TOTAL				1	
PAY TOTAL				1	

SIDEWALK, ADA, TRUNCATED DOMES, CUT THROUGHS										
PLAN SHEET NO	RDWY	STA	STA	LOC	PAID AREA (S.F.)	CONCRETE SIDEWALK 4 IN. (S.Y.)	TYPE 5 AGG. FOR BASE (4 IN. THICK) (S.Y.)	TRUNCATED DOMES (S.F.)	ADA CURB RAMP (EA.)	REMARKS
5	340	9+56.88	9+80.88	RT	120.0	13.3	13.3			
5	340	9+80.88	9+91.87	RT				20.0	2	SOUTHEAST CORNER OF FROESEL DR. AT RTE. 340
5	340	9+78.33	9+96.74	LT				10.0	1	SOUTHWEST CORNER OF FROESEL DR. AT RTE. 340
5	340	19+11.87	19+22.67	RT	64.7	7.2	7.2			
5	340	19+22.67	19+52.15	RT				12.0	1	SE CORNER OF MARSH AVE. AT RTE. 340
5	340	19+30.64	19+37.36	LT	136.1	15.1	15.1			
5	340	19+37.36	19+63.79	LT				20.0	2	SW CORNER OF MARSH AVE. AT RTE. 340
5	340	19+99.11	20+39.83	RT				20.0	2	NE CORNER OF MARSH AVE. AT RTE. 340
5	340	20+08.60	20+18.05	RT	50.4	5.6	5.6			
5	340	20+09.92	20+31.64	LT				20.0	2	NW CORNER OF MARSH AVE. AT RTE. 340
5	340	20+29.05	20+78.42	LT	199.9	22.2	22.2			
6	340	33+43.40	33+63.40	LT	100.0	11.1	11.1			
7	340	40+55.29	40+70.29	RT		10.0	10.0			
12	340	107+62.33	107+69.80	LT	102.2		11.4	10.0		ISLAND CUT THROUGH (SIDEWALK PAID AS 6" CONCRETE MEDIAN STRIP PER JSP M)
12	340	107+80.54	107+84.70	RT	25.1	2.8	2.8			NE CORNER OF KEHRS MILL RD. AT RTE. 340
12	340	107+54.05	107+80.54	RT				20.0	2	NE CORNER OF KEHRS MILL RD. AT RTE. 340
13	340	118+69.69	118+83.39	RT	15.9	1.8	1.8			SE CORNER OF COUNTRY RIDGE DR. AT RTE. 340
13	340	118+69.69	118+83.39	RT				20.0	2	SE CORNER OF COUNTRY RIDGE DR. AT RTE. 340
13	340	119+21.28	119+35.38	RT	18.4	2.0	2.0			NE CORNER OF COUNTRY RIDGE DR. AT RTE. 340
13	340	119+21.28	119+35.38	RT				10.0	1	NE CORNER OF COUNTRY RIDGE DR. AT RTE. 340
13	340	118+63.89	118+71.23	LT	108.9	12.1	12.1	28.5		CUT THROUGH ISLAND (6' WIDE)
14	340	135+87.43	136+02.38	LT				10.0	1	SOUTHWEST CORNER OF WILSON AVE.
14	340	136+25.38	136+34.00	LT	65.4	7.3	7.3	20.0		CUT THROUGH ISLAND WILSON AVE. (5' WIDE)
14	340	136+22.42	136+36.21	RT	102.3	11.4	11.4	30.0		CUT THROUGH ISLAND CLARKSON WOODS DR. (5' WIDE)
14	340	137+17.30	137+42.44	RT	127.4	14.2	14.2	10.0	1	NORTHEAST CORNER OF CLARKSON WOODS AVE.
19	340	200+79.74	200+91.48	RT	58.7	6.5	6.5			AT LEA OAK DR. NEAR EX. SIGNAL/ITS EQUIPMENT
VAR.	340	VAR.	VAR.	VAR.		20.0	20.0			TBD BY ENGINEER
TOTALS						162.6	174.0	260.5	17.0	
PAY TOTALS						163	*	261	17	

* SEE SUMMARY OF TYPE 5 AGGREGATE BASE FOR PAY TOTALS.

SUMMARY OF QUANTITIES
SHEET 8 OF 13

STATE OF MISSOURI

STUART ROBINSON MCNEIL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

Stuart McNeil

09/08/2026 10:59:36 AM

STUART ROBINSON MCNEIL - CIVIL

MO-PE-2006019687

DATE PREPARED
9/8/2026

ROUTE 340

STATE MO

DISTRICT SL

SHEET NO. 3

COUNTY
ST. LOUIS

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-273-6636)

D37A SIGNAL QUANTITIES SUMMARY (BASE CONCRETE, PULL BOXES AND POSTS)																				
PLAN SHEET NO.	INTERSECTION																			REMARKS
		BASE CONCRETE (C.Y.)	PULL BOX PREFORMED CONCRETE CLASS 1 (EA.)	PULL BOX PREFORMED CONCRETE CLASS 2 (EA.)	PULL BOX PREFORMED CONCRETE CLASS 3 (EA.)	POST PUSHBUTTON STANCHION 4 FT (EA.)	POST TOP MOUNT 8 FT (EA.)	POST TOP MOUNT 15 FT (EA.)	POST TYPE C 25 FT ARM (EA.)	POST TYPE C 30 FT ARM (EA.)	POST TYPE C 40 FT ARM (EA.)	POST TYPE C 45 FT ARM (EA.)	POST TYPE C 50 FT ARM (EA.)	POST TYPE CL 25 ARM (EA.)	POST TYPE CL 40 FT ARM (EA.)	POST TYPE CL 45 FT ARM (EA.)	POST TYPE BL 50 FT ARM (EA.)	POST TYPE BL 55 FT ARM (EA.)		
46	FROESEL DR.	0.44					1													
49	MARSH AVE.	16.50	1	1	2		6	1				1	1					1		50' & 45' ARMS ON BL POST
55	CLAYTON RD.	3.20																		
58	KEHRS MILL RD.	2.40					1													
62	COUNTRY RIDGE DR.	16.90		3	1		3							2	1	1				
69	WILSON AVE. / CLARKSON WOODS DR.	16.10		3	2	1			1	1			2							
76	LEA OAK DR.	12.80	1	1	3		4	1									1	1		55' & 45', 50' & 45' ARMS ON BL POSTS
SUBTOTALS		68.34	2	8	8	1	15	2	1	1	1	1	2	2	1	1	2	1		
PAY TOTALS		69	2	8	8	1	15	2	1	1	1	1	2	2	1	1	2	1		

D37A SIGNAL QUANTITIES SUMMARY (SIGNAL HEADS)											
PLAN SHEET NO.	INTERSECTION										REMARKS
		COUNTDOWN PEDESTRIAN TYPE 1S (EA.)	SIGNAL HEAD TYPE 3S (EA.)	SIGNAL HEAD TYPE 3B (EA.)	SIGNAL HEAD TYPE 4B (EA.)	SIGNAL HEAD TYPE 5S (EA.)	SIGNAL HEAD TYPE 5B (EA.)	RETROREFLECTIVE BACKPLATE (EA.)	TOP MOUNTED LED-A LUMINAIRE (EA.)	LED-A LUMINAIRE (EA.)	
46	FROESEL DR.	2									
49	MARSH AVE.	8	2	8	2			12	1		
55	CLAYTON RD.										
58	KEHRS MILL RD.	2		2		2		4			
62	COUNTRY RIDGE DR.	4	2	6	4			12		4	
69	WILSON AVE. / CLARKSON WOODS DR.	4	2	7	3			12			
76	LEA OAK DR.	5	1	9	2	2	1	15	3		
SUBTOTALS		25	7	32	11	4	1	55	4	4	
PAY TOTALS		25	7	32	11	4	1	55	4	4	

D37B SIGNAL QUANTITIES SUMMARY (CABLE AND CONDUIT)											
PLAN SHEET NO.	INTERSECTION	CONDUIT			CABLE						REMARKS
		TRENCHED		PUSHED	POWER	CONTROL			LIGHTING		
		2" (L.F.)	3" (L.F.)	3" (L.F.)	1c - #8 (L.F.)	2c - #16 (L.F.)	5c - #16 (L.F.)	7c - #16 (L.F.)	2c - #12 (L.F.)	1c - #10 (L.F.)	
46	FROESEL DR.		16			200	210				
50	MARSH AVE.	21	147	271	90	1180	1190	2380	230	80	
55	CLAYTON RD.	9	62		70						
58	KEHRS MILL RD.	21	16		100	520	520	840			
63	COUNTRY RIDGE DR.	21	66	272	90	530	540	2090	700	340	
70	WILSON AVE. / CLARKSON WOODS DR.	17	43	390	100	670	680	3000			
77	LEA OAK DR.	14	114	339	70	1250	1040	3520	620	220	
SUBTOTALS		103	464	1272	520	4350	4180	11830	1550	640	
PAY TOTALS		103	464	1272	520	4350	4180	11830	1550	640	

STATE OF MISSOURI

STUART ROBINSON McNEIL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

Stuart McNeil

07/31/2026 10:10:43 AM

STUART ROBINSON McNEIL - CIVIL

MO-PE-2006019687

DATE PREPARED

7/31/2026

ROUTE

340

STATE

MO

DISTRICT

SL

SHEET NO.

3

COUNTY

ST. LOUIS

JOB NO.

JSL0151

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)

D37C SIGNAL QUANTITIES SUMMARY (SIGNAL SIGNS AND DETECTION)									
PLAN SHEET NO.	INTERSECTION	SH-FLAT SHEET SIGNAL SIGN (S.F.)	SIGNAL-SIGN MOUNTING HARDWARE (EA.)	SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (4 CAMERAS) (EA.)	SL DISTRICT TRAFFIC SIGNAL ADVANCED DECTECTION SYSTEM (2 UNITS) (EA.)	SL DISTRICT TRAFFIC SIGNAL ADVANCED DECTECTION SYSTEM (4 UNITS) (EA.)	ACCESSIBLE PEDESTRIAN SIGNAL (APS) PUSH BUTTON & SIGN (EA.)	PUSH BUTTON EXTENSION (EA.)	REMARKS
46	FROESEL DR.			1	1		2		
51	MARSH AVE.	81.2	10	1	1		8		
55	CLAYTON RD.	82.5	10	1		1			
58	KEHRS MILL RD.	94.5	11	1	1		2	1	
64	COUNTRY RIDGE DR.	73.6	8	1	1		4	1	
71	WILSON AVE. / CLARKSON WOODS DR.	63.0	7	1	1		4	3	
78	LEA OAK DR.	77.9	10	1	1		5		
SUBTOTALS		473	56	7	6	1	25	5	
PAY TOTALS		473	56	7	6	1	25	5	

D37C SIGNAL QUANTITIES SUMMARY (POWER SUPPLY AND SIGNAL CONTROLLER)						
PLAN SHEET NO.	INTERSECTION	COMBINATION PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UPS (EA.)	SIGNAL CABINET CONTROLLER ASSEMBLY HOUSING NEMA TS2 (EA.)	SIGNAL CONTROLLER ATC TRAFFIC SIGNAL CONTROLLER (EA.)	NETWORK CONNECTED SIGNAL MONITOR (EA.)	REMARKS
46	FROESEL DR.					
51	MARSH AVE.	1	1	1	1	
56	CLAYTON RD.	1	1	1	1	
59	KEHRS MILL RD.		1	1	1	
64	COUNTRY RIDGE DR.	1	1	1	1	
71	WILSON AVE. / CLARKSON WOODS DR.	1	1	1	1	
78	LEA OAK DR.	1	1	1	1	
SUBTOTALS		5	6	6	6	
PAY TOTALS		5	6	6	6	

TRAFFIC SIGNAL MAINTENANCE AND PROGRAMMING	
PAY TOTAL	1 LUMP SUM

ITS MANAGEMENT TOOL	
PAY TOTAL	1 LUMP SUM

ITS QUANTITIES (1 OF 4)												
PLAN SHEET NO.	ROUTE	LOCATION	WALL-MOUNT FIBER INTERCONNECT CENTER (EA.)	SM FIBER OPTIC PIGTAIL (EA.)	SM FIBER OPTIC JUMPER (EA.)	SM FIBER FUSION SPLICE (EA.)	RELOCATE EXIST. COMMUNICATIONS EQUIPMENT (EA.)	INSTALL A COMMISSION FURNISHED AND PROGRAMMED IP-ADDRESSABLE POWER STRIP (EA.)	CCTV CAMERA ASSEMBLY (EA.)	CCTV CAMERA ASSEMBLY, INSTALLED (EA.)	RELOCATE CCTV CAMERA ASSEMBLY (EA.)	CCTV CAMERA CABLE (L.F.)
130	340	FROESEL DR							1	1		170
130	340	MARSH AVE	1	4	4	20	1	1	1	1		260
132	340	CLAYTON RD	1	4	4	26	1					
137	340	KEHRS MILL RD	1	4	4	26	1		1	1		190
138	340	COUNTRY RIDGE DR	1	4	4	26	1	1	1	1		70
139	340	WILSON AVE / CLARKSON WOODS DR	1	4	4	26	1				1	
144	340	LEA OAK DR	1	4	4	20	1		1	1		280
TOTAL			6	24	24	144	6	2	5	5	1	970
PAY TOTAL			6	24	24	144	6	2	5	5	1	970

STATE OF MISSOURI

STUART ROBINSON MONEIL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

Stuart M. Moneil

09/04/2026 12:40:39 PM

STUART ROBINSON MONEIL - CIVIL

MO-PE-2006019687

DATE PREPARED
9/3/2026

ROUTE 340STATE MO

DISTRICT SL SHEET NO. 3

COUNTY ST. LOUIS

JOB NO. JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MoDOT

ITS QUANTITIES (2 OF 4)							
PLAN SHEET #	LOCATION			2" HDPE CONDUIT		INSTALL CONDUIT INTO EXISTING PULL BOX (EA.)	REMARKS
	FROM (STA.)	TO (STA.)	CTR TO CTR DIST. (FT.)	DRILL (L.F.)	TRENCHED (L.F.)		
130	19+43.60	19+37.34	14.0		17		TO/FROM MARSH AVE NEW SIGNAL CABINET AND NEW CLASS 5 ITS PULL BOX
130	19+37.34	20+15.42	78.0	76		1	NEW CLASS 5 ITS PULL BOX TO EX. ITS PULL BOX (UNDER MARSH AVE)
132	44+96.72	45+13.88	34.0		37		TO/FROM CLAYTON RD NEW SIGNAL CABINET AND EX. CLASS 5 ITS PULL BOX
137	106+39.73	106+35.16	5.0		8		TO/FROM KEHRS MILL RD NEW SIGNAL CABINET AND NEW CLASS 5 ITS PULL BOX
137	106+35.16	107+86.00	184.0	182		1	NEW CLASS 5 ITS PULL BOX TO EX. ITS PULL BOX (DIAGONAL UNDER ROUTE 340)
138	118+55.00	119+49.98	102.0	100			NEW CLASS 2 ITS PULL BOX TO NEW CLASS 5 ITS PULL BOX (UNDER COUNTRY RIDGE DR)
138	119+49.98	119+37.57	13.0		16		TO/FROM COUNTRY RIDGE DR NEW SIGNAL CABINET AND NEW CLASS 5 ITS PULL BOX
139	135+58.00	135+60.43	10.0		13		TO/FROM WILSON AVE/CLARKSON WOODS DR NEW SIGNAL CABINET AND NEW CLASS 5 ITS PULL BOX
139	135+58.00	137+18.00	158.0	156		1	NEW CLASS 5 ITS PULL BOX TO EX. ITS PULL BOX (UNDER CLARKSON WOODS DR)
143	182+31.24	187+85.34	554.0		552		BETWEEN NEW CLASS 2 ITS BOXES WITHIN NEW SIDEWALK LIMITS
143	187+85.34	189+87.37	202.0	200			NEW CLASS 2 ITS PULL BOX TO NEW CLASS 5 ITS PULL BOX (UNDER BAXTER RD)
143	189+87.37	189+98.69	12.0		15		TO/FROM BAXTER RD NEW SIGNAL CABINET AND NEW CLASS 5 ITS PULL BOX
143-144	189+87.37	195+31.26	537.0		535		NEW CLASS 5 ITS PULL BOX TO NEW CLASS 2 ITS PULL BOX (WITHIN NEW SIDEWALK LIMITS)
144	195+31.26	196+80.00	149.0	147			BETWEEN NEW CLASS 2 ITS PULL BOXES (UNDER CONC. ENTRANCE)
144	196+80.00	201+01.14	426.0		424		NEW CLASS 2 ITS PULL BOX TO NEW CLASS 5 ITS PULL BOX (IN GREENSPACE)
144	201+01.14	200+92.53	8.0		11		TO/FROM LEA OAK DR NEW SIGNAL CABINET AND NEW CLASS 5 PULL BOX
144	201+01.14	202+15.86	196.0	194			NEW CLASS 5 ITS PULL BOX TO NEW CLASS 2 ITS PULL BOX (UNDER RTE 340)
VAR.	VAR.	VAR.					TO BE DETERMINED BY ENGINEER
SUBTOTAL				1055	1628	3	
PAY TOTAL				1055	1628	3	

ITS QUANTITIES (3 OF 4)								
PLAN SHEET NO.	LOCATION			CLASS 2 ITS PULL BOX W/CONC. PAD (EA.)	CLASS 5 ITS PULL BOX W/CONC. PAD (EA.)	CONDUIT SYSTEM INTERCEPT OR REPAIR (EA.)	MODOT BURRIED CABLE DRIVEABLE DELINEATOR POST (EA.)	REMARKS
	ROUTE	STATION	OFFSET (FT)					
130	340	19+37.34	47.1' LT		1	1	1	NEAR MARSH AVE SIGNAL CABINET
137	340	106+39.73	54.8' LT		1	1	1	NEAR KEHRS MILL RD SIGNAL CABINET
138	340	118+55.00	47.6' RT	1		1	1	SOUTH OF COUNTRY RIDGE DR
138	340	119+49.98	61.5' RT		1	1	1	NEAR COUNTRY RIDGE DR SIGNAL CABINET
139	340	135+58.00	59.0' RT		1	1	1	NEAR WILSON AVE / CLARKSON WOODS DR SIGNAL CABINET
143	340	182+31.24	53.7' RT	1		1	1	NORTH OF LEIMAN RD IN SIDEWALK
143	340	187+85.34	76.2' RT	1			1	SOUTH OF BAXTER RD IN SIDEWALK
143	340	189+87.37	81.0' RT		1		1	AT BAXTER RD SIGNAL CABINET
144	340	195+31.26 (NBL)	52.3' RT	1			1	SOUTH OF ENTRANCE IN SIDEWALK
144	340	196+80.00 (NBL)	47.5' RT	1			1	NORTH OF ENTRANCE IN GREEN SPACE
144	340	201+01.14 (NBL)	64.0' RT		1		1	AT LEA OAK DR SIGNAL CABINET
144	340	202+15.86 (NBL)	96.0' LT	1		1	1	IN NE CORNER BACK OF SIDEWALK
VAR.	340	VAR.	VAR.				25	AT EX. ITS PULL BOX LOCATIONS (TBD BY ENGINEER)
VAR.	340	VAR.	VAR.			7		REPAIRS (TO BE DETERMINED BY ENGINEER)
SUBTOTAL				6	6	14	37	
PAY TOTAL				6	6	14	37	

STATE OF MISSOURI

STUART ROBINSON MANEEL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

09/04/2026 12:40:53 PM

STUART ROBINSON MANEEL - CIVIL

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DATE PREPARED

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

SIGN	SIZE	AREA	QTY	TOTAL AREA	QTY	TOTAL RELOC	SIGN	DESCRIPTION	SIGN	SIZE	AREA	QTY	TOTAL	RELOC	RELOC	SIGN	DESCRIPTION	ITEM	TOTAL	EFFECTIVE: 07-01-2025							
	IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NO.			IN.	SQ. FT.	EACH	SQ. FT.	EACH	SQ. FT.	NO.		NUMBER	QTY	DESCRIPTION							
WARNING SIGNS									GUIDE SIGNS									6122008	1**	IMPACT ATTENUATOR 40 MPH (SAND BARRELS)							
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00						GORE EXIT	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)							
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00						EXIT OPEN	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)							
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00						EXIT CLOSED	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)							
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00	2	20.00			1	ROAD WORK NEXT XX MILES	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)							
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00	2	16.00			26	END ROAD WORK	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)							
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)							
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122020	2**	REPLACEMENT SAND BARREL							
WO1-4R	48X48	16.00	2	32.00			15	REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW	6122030		IMPACT ATTENUATOR (RELOCATION)							
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00	6	36.00			54	WORK ZONE (PLAQUE)	6122040		WORK ZONE CRASH CUSHION (NARROW)							
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00						END DETOUR	6122041		WORK ZONE CRASH CUSHION (RELOCATION)							
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6123001	+++	TRUCK MOUNTED ATTENUATOR (TMA)							
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161012		BUOYS (BOATS KEEP OUT)							
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)							
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)							
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)	6161020		CHANNELIZER (DRUM-LIKE)							
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	REGULATORY SIGNS									6161022		CHANNELIZER (CONE)							
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161025	350	CHANNELIZER (TRIM-LINE)							
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI.	6.93						YIELD	6161026		CHANNELIZER (VERTICAL PANEL)							
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161030	6	TYPE 3 MOVEABLE BARRICADE							
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161033	42	DIRECTION INDICATOR BARRICADE							
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	12	144.00			4,25	SPEED LIMIT XX	6161040	4	FLASHING ARROW PANEL							
WO3-4	48X48	16.00	3	48.00			11	BE PREPARED TO STOP	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161047		TYPE 3 OBJECT MARKER							
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)	6161055		SEQUENTIAL FLASHING WARNING LIGHT							
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R3-3	36X36	9.00						NO TURNS	6161070		TUBULAR MARKER							
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM							
WO4-1aL	48X48	16.00	3	48.00			6A	MERGE (LEFT)	R3-7L	30X30	6.25	2	12.50			45	LEFT LANE MUST TURN LEFT	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED							
WO4-1aR	48X48	16.00	3	48.00			6A	MERGE (RIGHT)	R3-7R	30X30	6.25	2	12.50			7	RIGHT LANE MUST TURN RIGHT	6161098A	4**	CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED							
WO5-1	48X48	16.00	1	16.00			43	ROAD/BRIDGE/RAMP NARROWS	R4-1	36X48	12.00						DO NOT PASS	6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED							
WO5-3	48X48	16.00						ONE LANE BRIDGE	R4-2	36X48	12.00						PASS WITH CARE	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM							
WO5-5	48X48	16.00						NARROW LANES	R4-7a	36X48	12.00	2	24.00			42	KEEP RIGHT (HORIZONTAL ARROW)	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS							
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)	6173600D		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED							
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	6173700B	1000**	TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED							
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION, CONTRACTOR FURNISHED/RETAINED							
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED							
WO8-1	48X48	16.00						BUMP	R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER							
WO8-2	48X48	16.00						DIP	R10-6	24X30	5.00						ONE WAY (LEFT)	6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED							
WO8-3	48X48	16.00						PAVEMENT ENDS	R11-2	48X30	10.00						ONE WAY (RIGHT)	6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS							
WO8-4	48X48	16.00						SOFT SHOULDER	R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD	6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT							
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R11-4	60X30	12.50						LOCAL TRAFFIC ONLY	6208064A		TEMPORARY RAISED PAVEMENT MARKER							
WO8-6	48X48	16.00						TRUCK CROSSING	R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC	9029400		TEMPORARY TRAFFIC SIGNALS							
WO8-6c	48X48	16.00						TRUCK ENTRANCE	CONST-3A	60X48	20.00						FINE SIGN	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING							
WO8-7	36X36	9.00						LOOSE GRAVEL	CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)	6169901	1**	ADA COMPLAINT MOVEABLE BARRICADE							
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL	MISCELLANEOUS SIGNS									TEMPORARY TRAFFIC CONTROL PAY TOTAL = 1 LUMP SUM									
WO8-9	48X48	16.00						LOW SHOULDER	CONST-5	48X36	12.00						POINT OF PRESENCE				6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER				
WO8-11	48X48	16.00	2	32.00				UNEVEN LANES	CONST-5	96X48	32.00						POINT OF PRESENCE				6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED				
WO8-12	48X48	16.00						NO CENTER LINE	CONST-8	48X36	12.00	2	24.00				WORK ZONE NO PHONE ZONE				6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS				
WO8-15	48X48	16.00						GROOVED PAVEMENT	W11-2	36X36	9.00	8	72.00				PEDESTRIAN CROSSING				6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT				
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)	W16-7P	21X15	2.19	4	8.76				DOWN ARROW				6208064A		TEMPORARY RAISED PAVEMENT MARKER				
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)	W16-9P	30X18	3.75	4	15.00				AHEAD				9029400		TEMPORARY TRAFFIC SIGNALS				
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)	R9-10	24X18	3.00	4	12.00				DSIDEWALK CLOSED - OTHER SIDE				9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING				
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)													6169901	1**	ADA COMPLAINT MOVEABLE BARRICADE				
W10-1	42RND.	9.62						RAILROAD CROSSING	TOTAL												NOTE: ALL TRAFFIC CONTROL ITEMS ARE INCLUDED IN PAY ITEM 616-99.01, LUMP SUM TEMPORARY TRAFFIC CONTROL, UNLESS NOTED OTHERWISE IN THE PLANS. THESE QUANTITIES ARE ONLY AN ESTIMATE AND ARE SUBJECT TO CHNAGE BASED ON FIELD CONDITIONS.						
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)	CONST-5	96X48	32.00						POINT OF PRESENCE							6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER	
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)	CONST-8	48X36	12.00	2	24.00				WORK ZONE NO PHONE ZONE							6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED	
WO12-2x	24X18																										

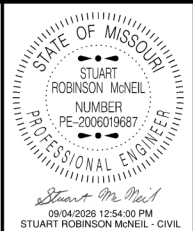
PI	550+18.59
Ls	200.00'
Ys	13.94'
Xs	199.42'
LT	133.41'
ST	66.74'

PI	2+25.86
PC	0+74.00
PT	3+77.25
Δ	7°48'30.6" (RT)
D	2°34'29.8"
L	303.25' (ARC)
T	151.86'
R	2,225.13'

LEGEND

	2" MILL/FILL (MAINLINE) (2" FRAC SP125CLP w/PG 70-22)
	2" MILL/FILL (SHOULDER) (2" BP-1 w/PG 64-22)
	NEW CONC. SIDEWALK
	ADA CURB RAMP
	NEW CONC. ISLAND

EX. CONC. PAVED
APPROACH (UIP)



MO-PE-2006019687	
DATE PREPARED	
9/3/2026	
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	4
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0151	
CONTRACT ID.	

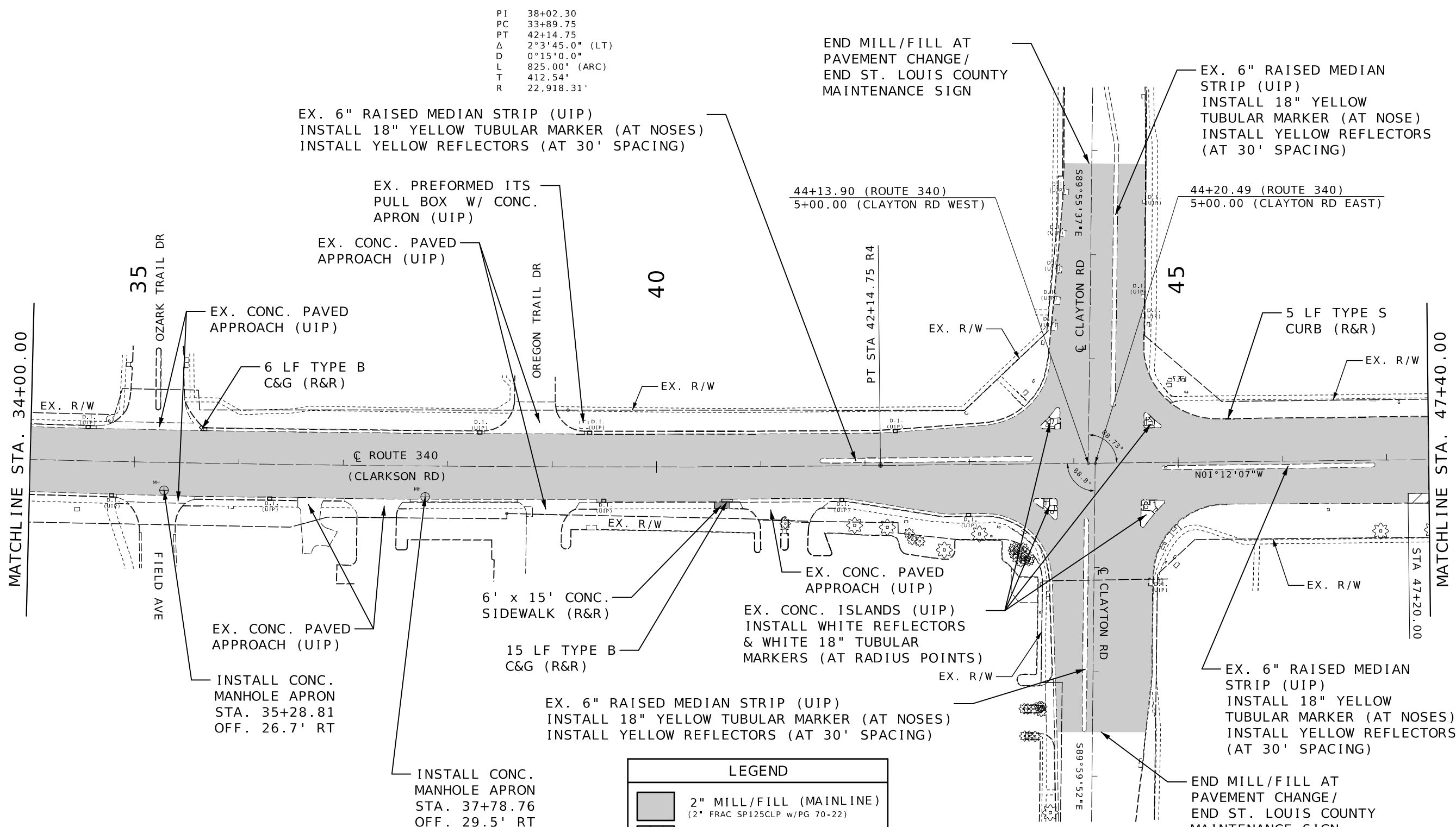
PROJECT NO.
BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

PLAN SHEET



PI 38+02.30
PC 33+89.75
PT 42+14.75
Δ 2°3'45.0" (LT)
D 0°15'0.0" (ARC)
L 825.00' (ARC)
T 412.54'
R 22,918.31'

EX. 6" RAISED MEDIAN STRIP (UIP)
INSTALL 18" YELLOW TUBULAR MARKER (AT NOSES)
INSTALL YELLOW REFLECTORS (AT 30' SPACING)

EX. PREFORMED ITS
PULL BOX W/ CONC.
APRON (UIP)

EX. CONC. PAVED
APPROACH (UIP)

EX. CONC. PAVED
APPROACH (UIP)

6 LF TYPE B
C&G (R&R)

EX. CONC. PAVED
APPROACH (UIP)

INSTALL CONC.
MANHOLE APRON
STA. 35+28.81
OFF. 26.7' RT

INSTALL CONC.
MANHOLE APRON
STA. 37+78.76
OFF. 29.5' RT

6' x 15' CONC.
SIDEWALK (R&R)

15 LF TYPE B
C&G (R&R)

EX. 6" RAISED MEDIAN STRIP (UIP)
INSTALL 18" YELLOW TUBULAR MARKER (AT NOSES)
INSTALL YELLOW REFLECTORS (AT 30' SPACING)

EX. CONC. ISLANDS (UIP)
INSTALL WHITE REFLECTORS
& WHITE 18" TUBULAR
MARKERS (AT RADIUS POINTS)

END MILL/FILL AT
PAVEMENT CHANGE/
END ST. LOUIS COUNTY
MAINTENANCE SIGN

EX. 6" RAISED MEDIAN
STRIP (UIP)
INSTALL 18" YELLOW
TUBULAR MARKER (AT NOSE)
INSTALL YELLOW REFLECTORS
(AT 30' SPACING)

44+20.49 (ROUTE 340)
5+00.00 (CLAYTON RD EAST)

EX. 6" RAISED MEDIAN
STRIP (UIP)
INSTALL 18" YELLOW
TUBULAR MARKER (AT NOSES)
INSTALL YELLOW REFLECTORS
(AT 30' SPACING)

END MILL/FILL AT
PAVEMENT CHANGE/
END ST. LOUIS COUNTY
MAINTENANCE SIGN

LEGEND

2" MILL/FILL (MAINLINE)
(2" FRAC SP125CLP w/PG 70-22)

2" MILL/FILL (SHOULDER)
(2" BP-1 w/PG 64-22)

NEW CONC. SIDEWALK

ADA CURB RAMP

NEW CONC. ISLAND

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THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER
PE-2006019687
PROFESSIONAL ENGINEER
09/04/2026 12:54:06 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
9/3/2026

ROUTE 340
DISTRICT SL
STATE MO
SHEET NO. 7
COUNTY ST. LOUIS
JOB NO. JSL0151
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

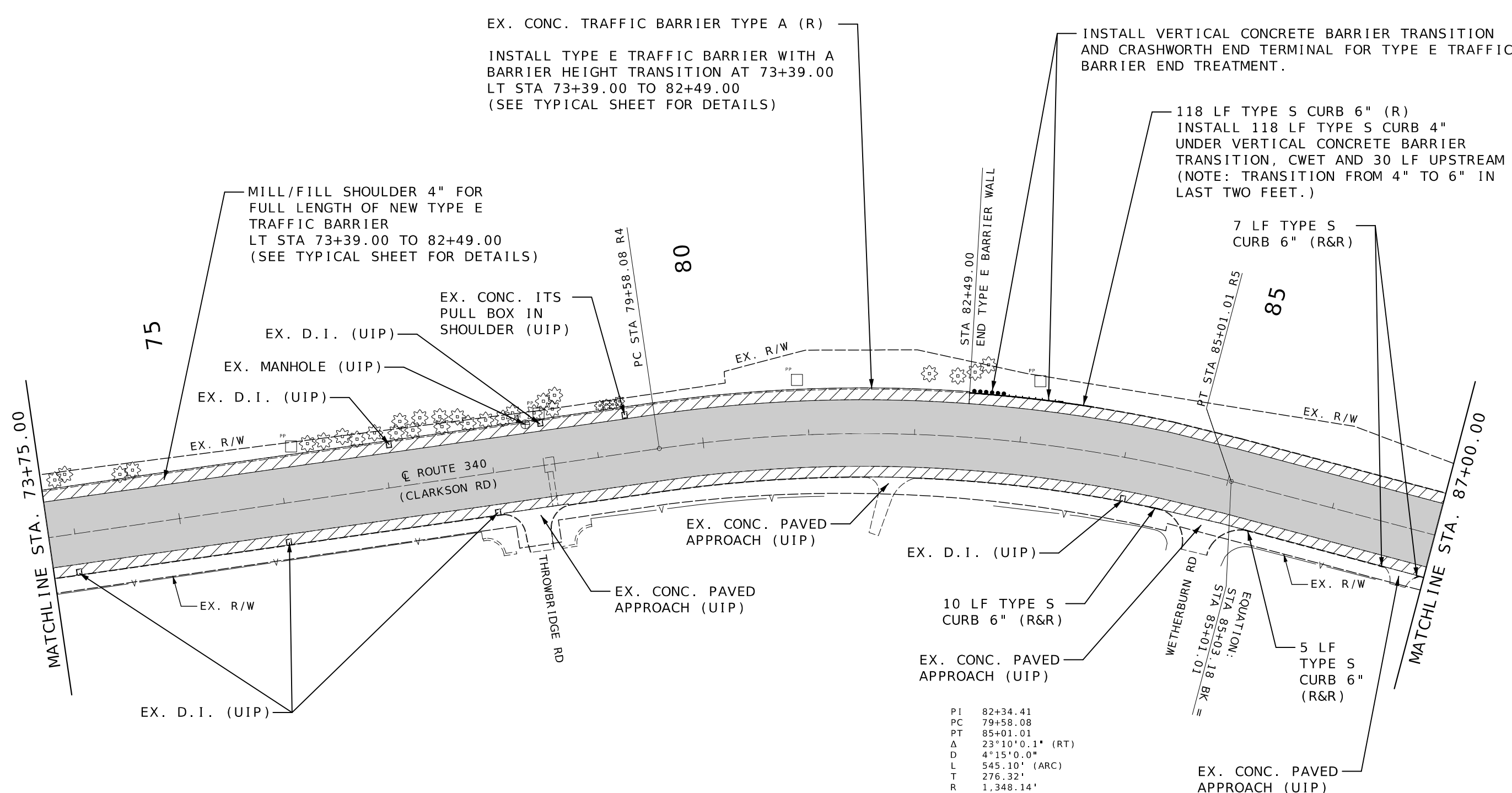
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

MoDOT

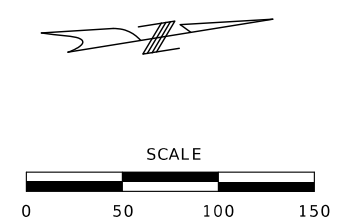
PLAN SHEET



PI	82+34.41
PC	79+58.08
PT	85+01.01
Δ	23°10'0.1" (RT)
D	4°15'0.0"
L	545.10' (ARC)
T	276.32'
R	1,348.14'

LEGEND	
	2" MILL/FILL (MAINLINE) (2" FRAC SP125CLP w/PG 70-22)
	2" MILL/FILL (SHOULDER) (2" BP-1 w/PG 64-22)
	NEW CONC. SIDEWALK
	ADA CURB RAMP
	NEW CONC. ISLAND

DISCLAIMER
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STATE OF MISSOURI

STUART ROBINSON McNEIL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

Stuart M. McNeil

07/30/2026 10:31:41 AM

STUART ROBINSON McNEIL, CIVIL

MO PE 2006019687

DATE PREPARED
7/30/2026

ROUTE
340

STATE
MO

DISTRICT
SL

SHEET NO.
10

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

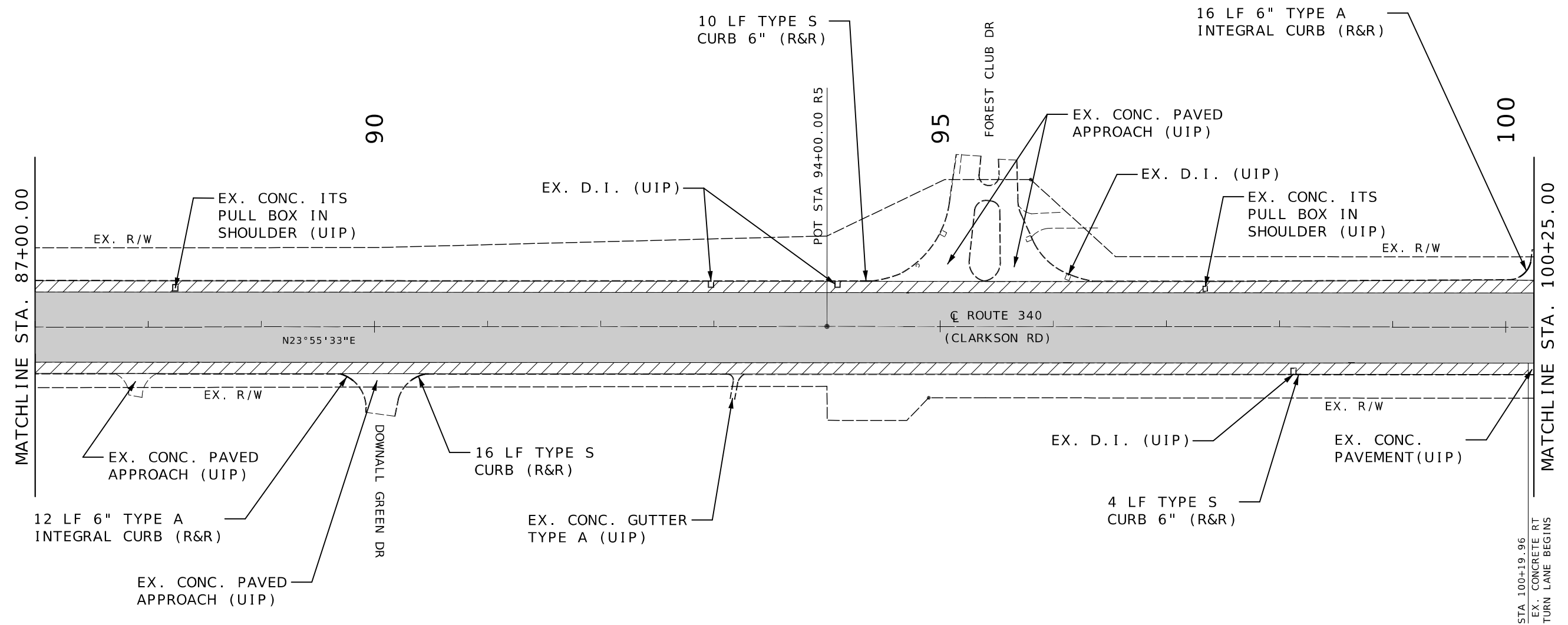
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

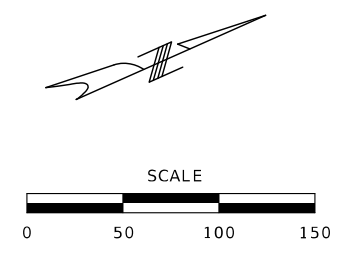
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

PLAN SHEET



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LEGEND	
	2" MILL/FILL (MAINLINE) (2" FRAC SP125CLP w/PG 70-22)
	2" MILL/FILL (SHOULDER) (2" BP-1 w/PG 64-22)
	NEW CONC. SIDEWALK
	ADA CURB RAMP
	NEW CONC. ISLAND



STATE OF MISSOURI

STUART ROBINSON MCNEIL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

Stuart M. McNeil

07/27/2026 8:55:09 AM

STUART ROBINSON MCNEIL - CIVIL

MO-PE-2006019687

DATE PREPARED
7/24/2026

ROUTE
340

STATE
MO

DISTRICT
SL

SHEET NO.
11

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

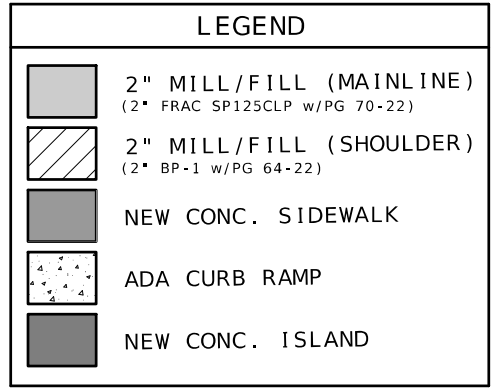
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

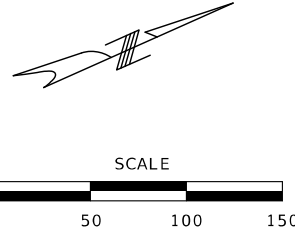
PLAN SHEET

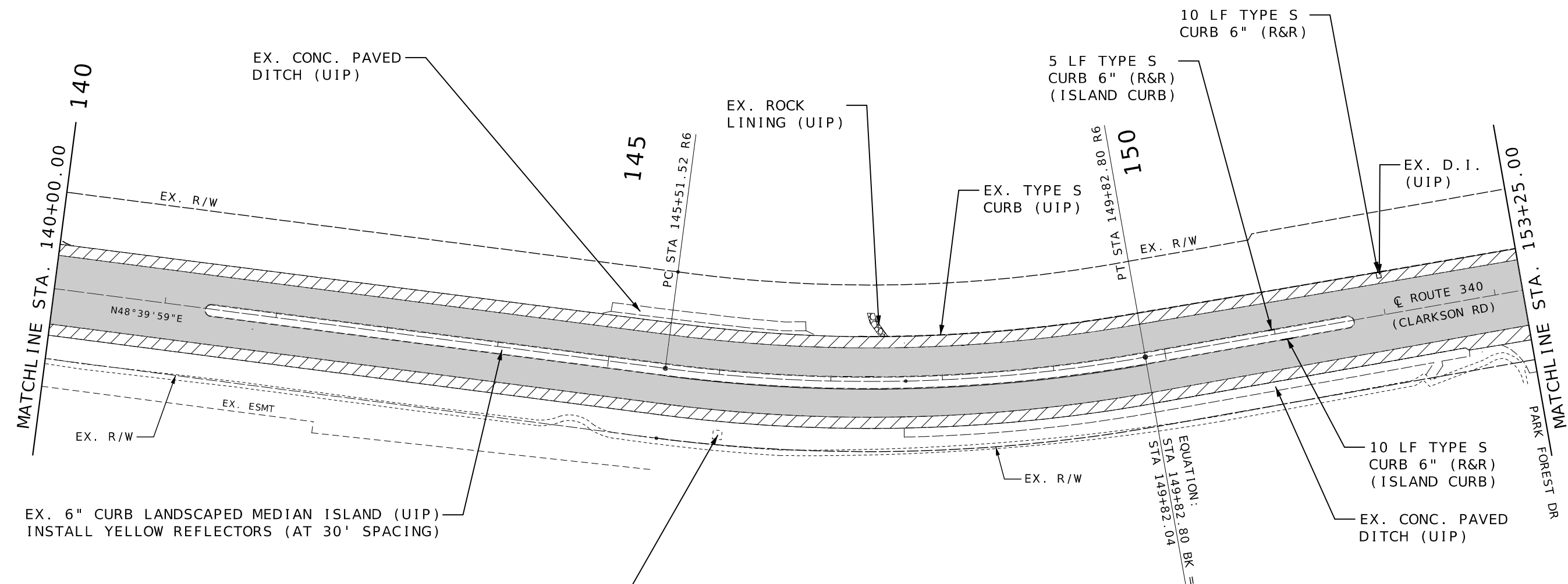


PI	12+00.00
PC	10+75.60
PT	13+20.60
Δ	24°30'0.0" (RT)
D	10°0'0.0"
L	245.00' (ARC)
T	124.40'
R	572.96'

PI	7+24.23
PC	5+96.83
PT	8+51.12
Δ	8°54'0.5" (LT)
D	3°30'0.0"
L	254.29' (ARC)
T	127.40'
R	1,637.02'

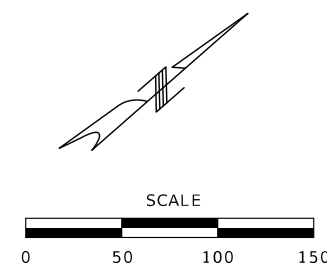
EX. 6" RAISED MEDIAN
STRIP (UIP)
INSTALL 18" YELLOW TUBULAR
MARKER (AT SOUTH NOSE)
INSTALL YELLOW REFLECTORS
(AT 30' SPACING)

[illegible]

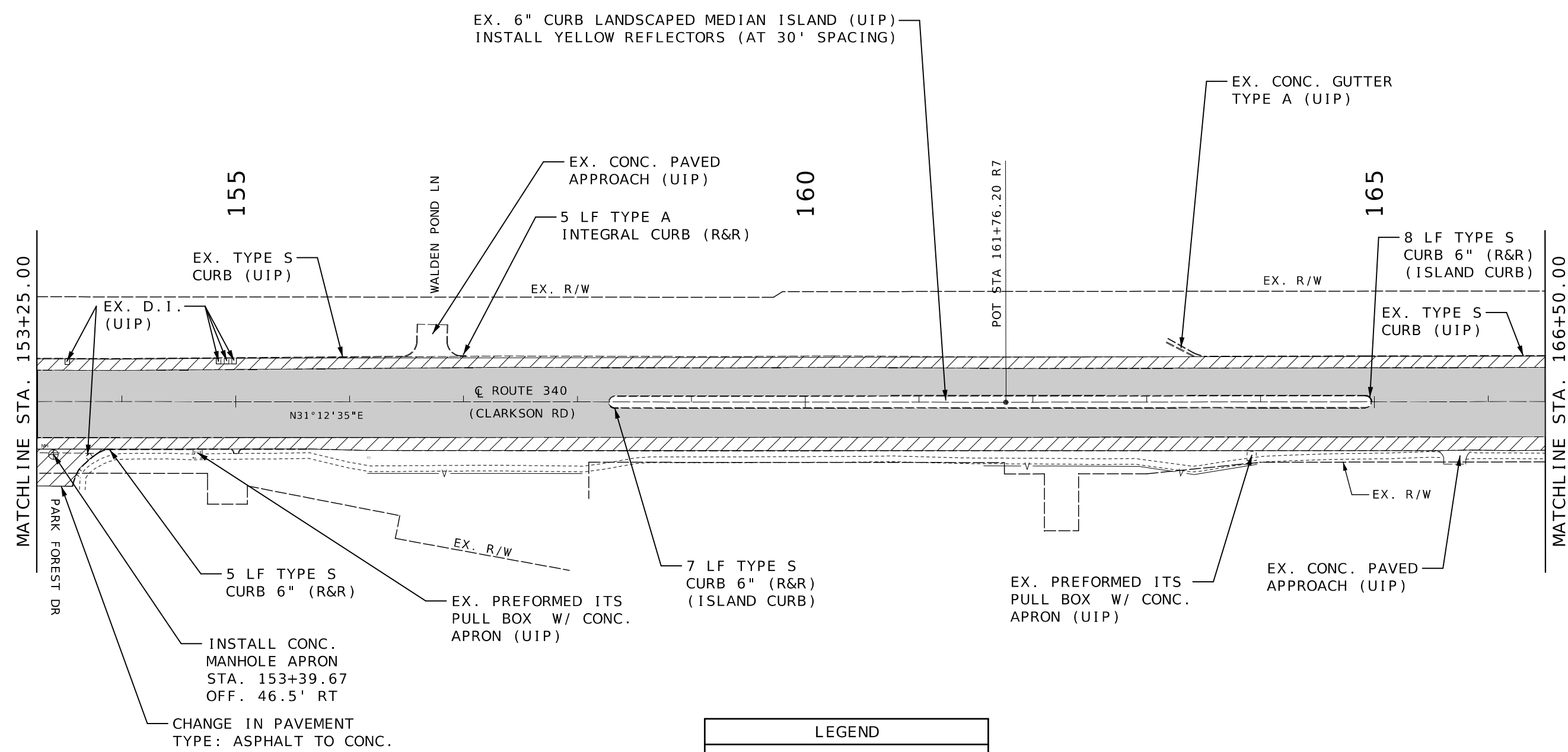


EX. PREFORMED ITS
PULL BOX W/ CONC.
APRON (UIP)

LEGEND	
	2" MILL/FILL (MAINLINE) (2" FRAC SP125CLP w/PG 70-22)
	2" MILL/FILL (SHOULDER) (2" BP-1 w/PG 64-22)
	NEW CONC. SIDEWALK
	ADA CURB RAMP
	NEW CONC. ISLAND

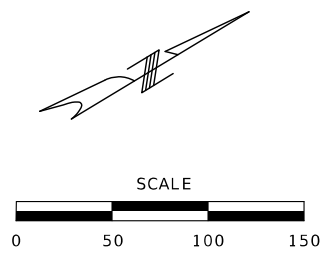
[illegible]

PLAN SHEET



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LEGEND	
	2" MILL/FILL (MAINLINE) (2" FRAC SP125CLP w/PG 70-22)
	2" MILL/FILL (SHOULDER) (2" BP-1 w/PG 64-22)
	NEW CONC. SIDEWALK
	ADA CURB RAMP
	NEW CONC. ISLAND



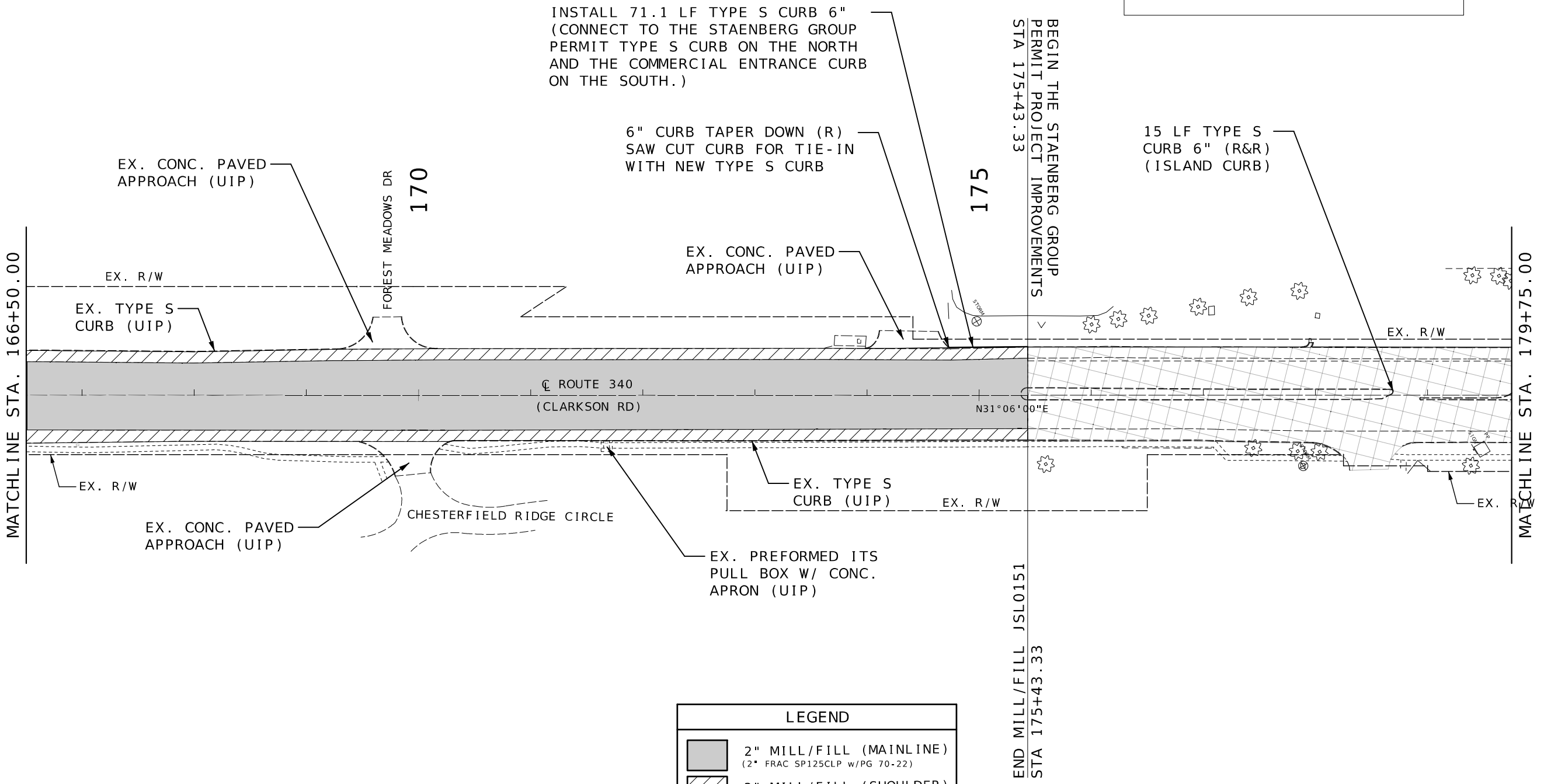
DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 16
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

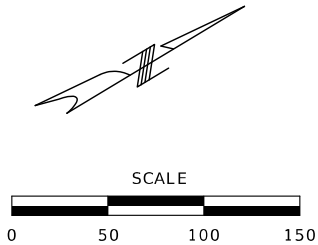
PLAN SHEET



NOTE :
SEE THE STAENBERG GROUP PERMIT
PLANS FOR IMPROVEMENTS .

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LEGEND	
	2" MILL/FILL (MAINLINE) (2" FRAC SP125CLP w/PG 70-22)
	2" MILL/FILL (SHOULDER) (2" BP-1 w/PG 64-22)
	NEW CONC. SIDEWALK
	ADA CURB RAMP
	NEW CONC. ISLAND



STATE OF MISSOURI

STUART ROBINSON McNEIL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

07/27/2026 9:14:28 AM

STUART ROBINSON McNEIL - CIVIL

MO-PE-2006019687

DATE PREPARED
7/24/2026

ROUTE 340

DISTRICT SL

STATE MO

SHEET NO. 17

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

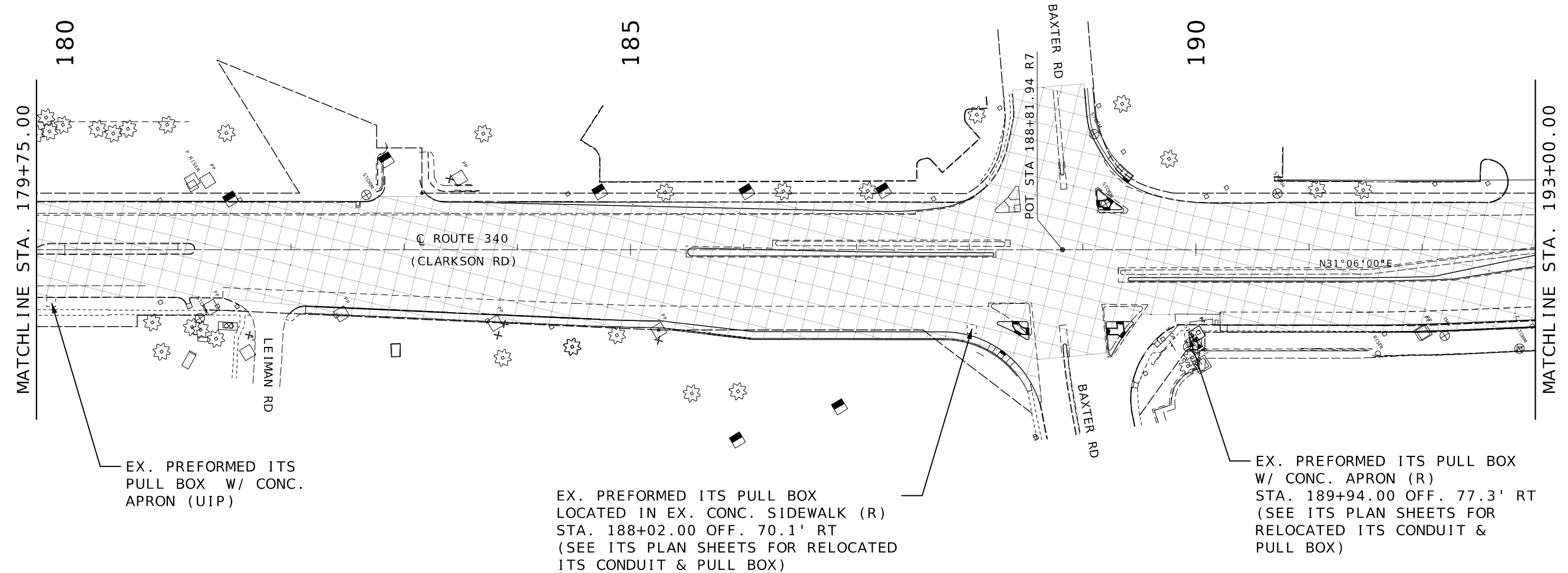
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET



NOTE:
SEE THE STAENBERG GROUP PERMIT
PLANS FOR IMPROVEMENTS.

DISCLAIMER
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STATE OF MISSOURI

STUART ROBINSON McNEIL

NUMBER
PE-2006019687

PROFESSIONAL ENGINEER

Stuart McNeil

07/27/2026 9:14:37 AM

STUART ROBINSON McNEIL - CIVIL

MO-PE-2006019687

DATE PREPARED
7/24/2026

ROUTE
340

STATE
MO

DISTRICT
SL

SHEET NO.
18

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

PLAN SHEET

MATCHLINE STA. 193+00.00

STA 194+00.00 BK =
STA 193+99.09 7.00' LT AH
STA 194+00.00 BK =
STA 193+99.99 7.83' RT AH

195

195

NOTE:
SEE THE STAENBERG GROUP PERMIT
PLANS FOR IMPROVEMENTS.

PI 202+00.03
PC 199+99.57
PT 204+00.96
 Δ 2°0'16.0" (RT)
D 0°30'0.0"
L 400.89' (ARC)
T 200.46'
R 11,459.16'

200

200

205

205

EX. PREFORMED ITS PULL BOX
LOCATED IN GREEN SPACE (R)
STA. 202+08.00 (NBL) OFF. 86.7' LT
(SEE ITS PLAN SHEETS FOR RELOCATED
ITS CONDUIT & PULL BOX)

PT STA 204+00.96 R2
EQUATION:
STA 204+00.46 BK =
STA 204+00.96

B ROUTE 340 SBL
(CLARKSON RD)

B ROUTE 340 NBL
(CLARKSON RD)

EX. PREFORMED ITS PULL BOX
LOCATED IN GREEN SPACE (R)
STA. 200+64.21 (NBL) OFF. 49.7' RT
(SEE ITS PLAN SHEETS FOR RELOCATED
ITS CONDUIT & PULL BOX)

EX. PREFORMED ITS PULL BOX
LOCATED IN EX. CONC. SIDEWALK (R)
STA. 195+53.00 (NBL) OFF. 47.0' RT
(SEE ITS PLAN SHEETS FOR RELOCATED
ITS CONDUIT & PULL BOX)

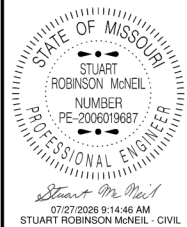
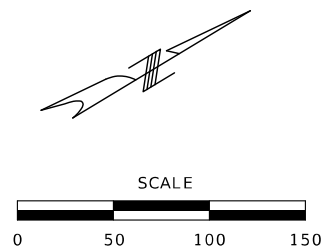
END PROJECT
STA 203+00.00

EX. CONC. SIDEWALK (R&R)
STA. 200+79.74 TO 200+91.48
(DUE TO INSTALLATION AND REMOVAL
OF SIGNAL / ITS EQUIPMENT)

LEGEND

- 2" MILL/FILL (MAINLINE)
(2" FRAC SP125CLP w/PG 70-22)
- 2" MILL/FILL (SHOULDER)
(2" BP-1 w/PG 64-22)
- NEW CONC. SIDEWALK
- ADA CURB RAMP
- NEW CONC. ISLAND

DISCLAIMER
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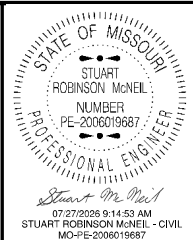
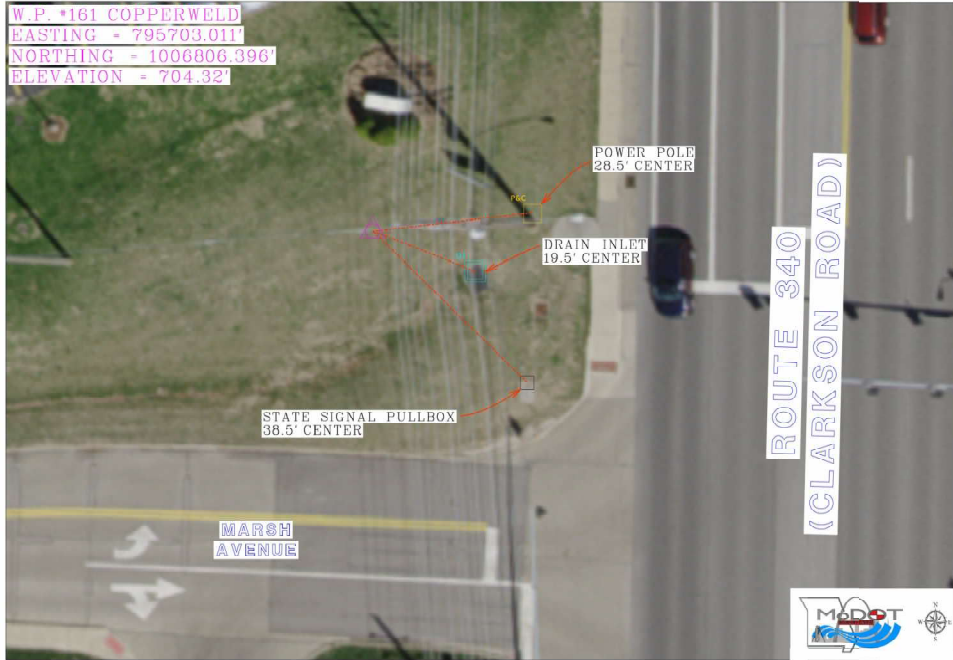
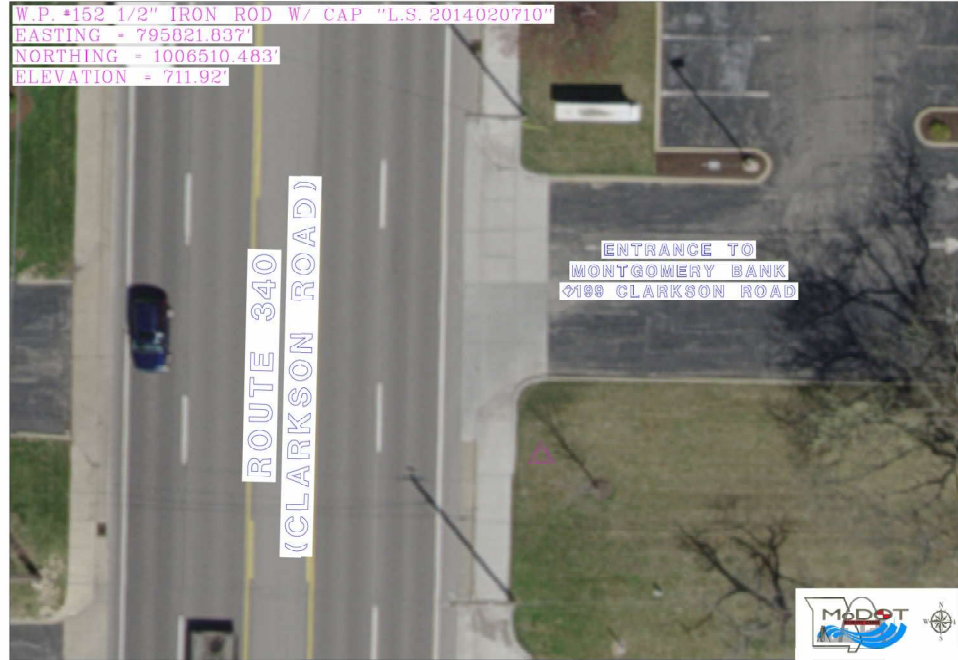
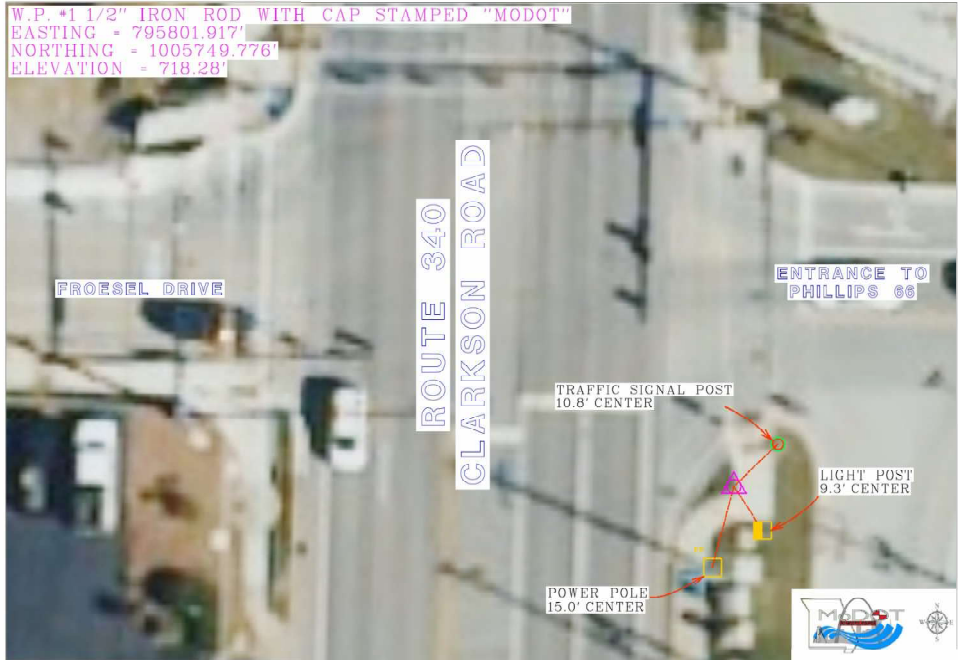


DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 19
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION



PLAN SHEET



DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 20
COUNTY ST. LOUIS	
JOB NO. JSL0151	
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)

W.P. #204 COPPERWELD
EASTING = 795558.578'
NORTHING = 1009144.961'
ELEVATION = 705.19'

CLAYTON ROAD



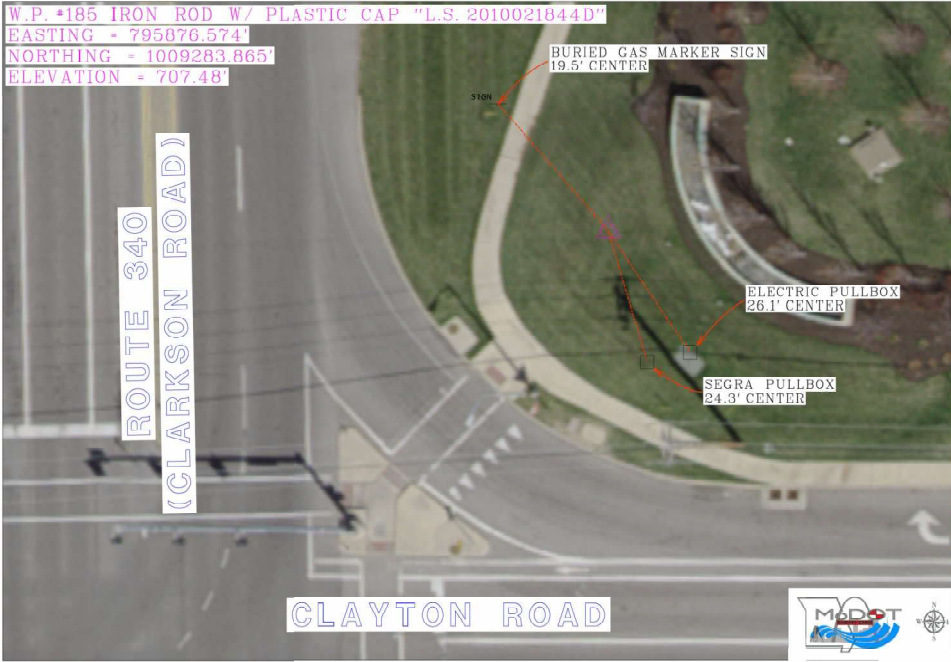
W.P. #173 CUT CROSS ON SIDEWALK
EASTING = 796005.216'
NORTHING = 1009133.449'
ELEVATION = 709.40'

CLAYTON ROAD



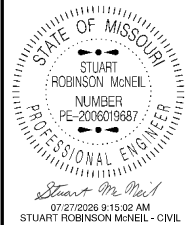
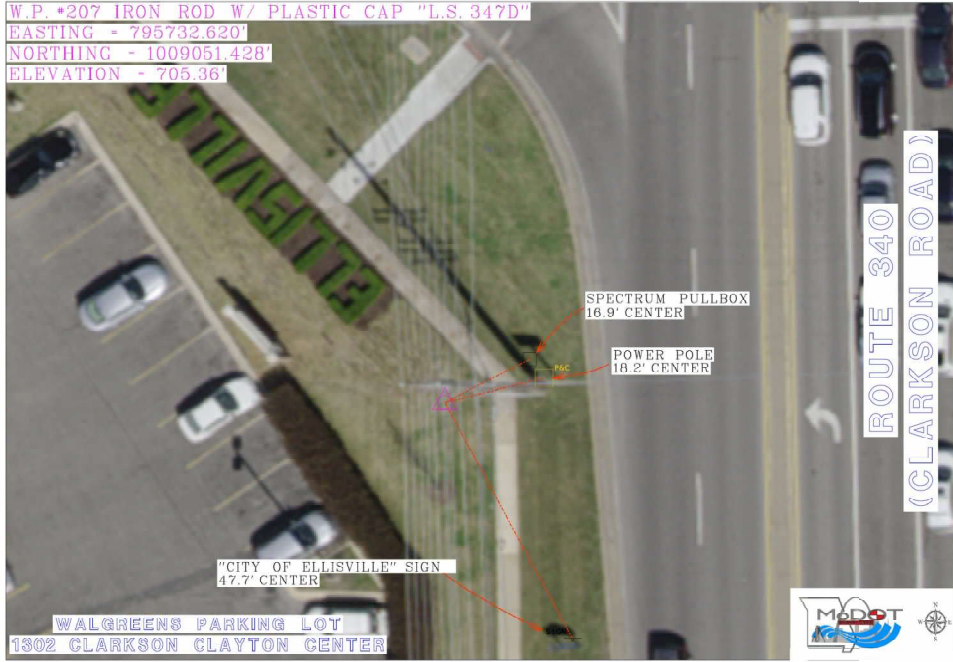
W.P. #185 IRON ROD W/ PLASTIC CAP "L.S. 2010021844D"
EASTING = 795876.574'
NORTHING = 1009283.865'
ELEVATION = 707.48'

ROUTE 340
(CLARKSON ROAD)



W.P. #207 IRON ROD W/ PLASTIC CAP "L.S. 347D"
EASTING = 795732.620'
NORTHING = 1009051.428'
ELEVATION = 705.36'

ROUTE 340
(CLARKSON ROAD)



DATE PREPARED
7/24/2026
ROUTE 340
STATE MO
DISTRICT SL
SHEET NO. 21
COUNTY ST. LOUIS
JOB NO. JSL0151
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)

REFERENCE POINT SHEET
SHEET 2 OF 4

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 MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)
HORIZONTAL DATUM	NAD 83 (2011) EPOCH 2010.0
VERTICAL DATUM	NAVD 1988 : GNSS DERIVED
GEOID MODEL	GEOID18 (CONUS)
ELEVATIONS DETERMINED BY	GNSS

PROJECT PROJECTION FACTOR	1.00008780
---------------------------	------------

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI COORD. SYSTEM OF 1983
CONTROL STATION	MISSOURI CORS
DESIGNATION	MODOT SEILER TREECOURT CORS ARP
CORS_ID	MOSI
PID	DL3650
LATITUDE	38°33'44.23042" N
LONGITUDE	90°27'40.90270" W
NORTHING (M)	302,843.562
EASTING (M)	253,367.383
ZONE	EAST

PROJECT AVERAGE GRID FACTOR	0.99991221
-----------------------------	------------

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

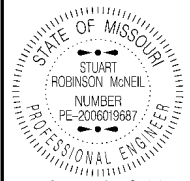
PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING
PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING

EXAMPLE: CONTROL POINT # 100
N 1,015,399.1050 X 0.99991221 = N 1,015,309.9631
E 796,751.2260 X 0.99991221 = E 796,681.2792

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

[illegible]

09/10/2026 9:48:32 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
01/10/2000

9/10/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 24

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

COORDINATE POINT SHEET
SHEET 1 OF 2

ISLAND 1

A B C D E F G H I J K L M N O

* NOT TO SCALE

ISLAND 1

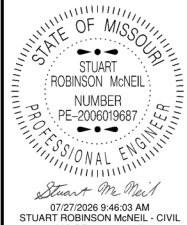
A B C D E F G H I J K L M N O

* NOT TO SCALE

ISLAND 1		
PT	STA	OFFSET
A	107+92.96	36.0' LT
B	107+92.96	35.0' LT
C	107+69.80	35.0' LT
D	107+64.80	35.0' LT
E	107+55.76	35.0' LT
F	107+54.32	35.6' LT
G	107+53.76	37.1' LT
H	107+54.76	37.0' LT
I	107+55.76	36.0' LT
J	107+64.79	36.0' LT
K	107+64.75	39.2' LT
L	107+62.32	55.0' LT
M	107+67.23	56.0' LT
N	107+69.75	39.6' LT
O	107+69.79	36.0' LT

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DATE PREPARED
7/24/2026

ROUTE 340	STATE MO
--------------	-------------

DISTRICT	SHEET NO.
SL	26

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

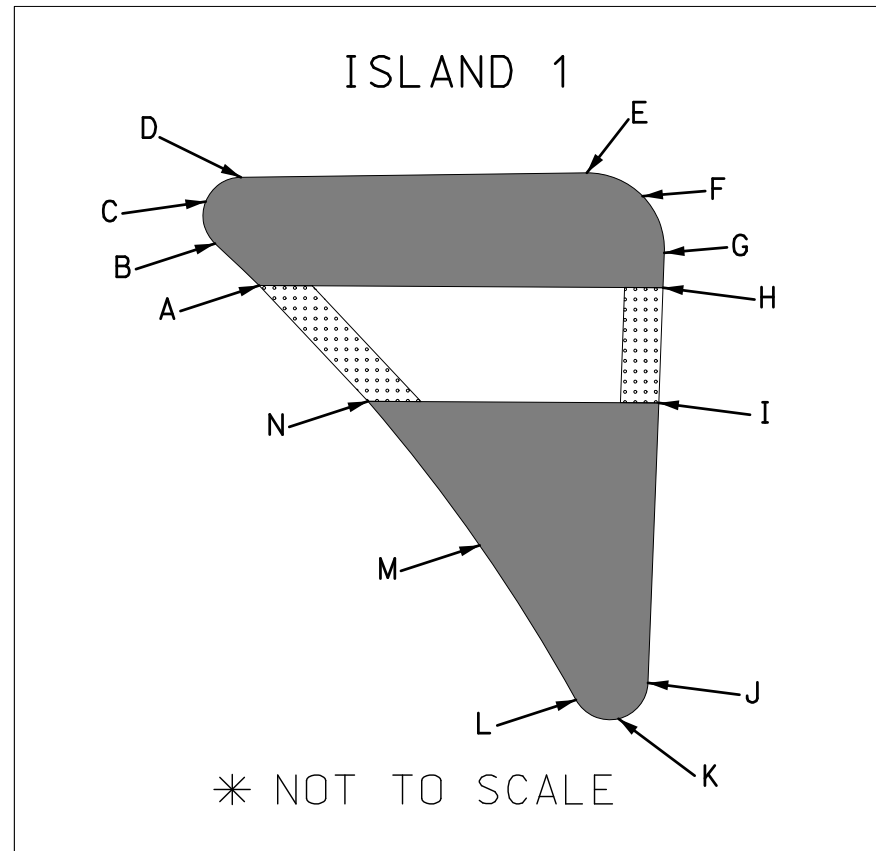
BRIDGE NO. _____

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

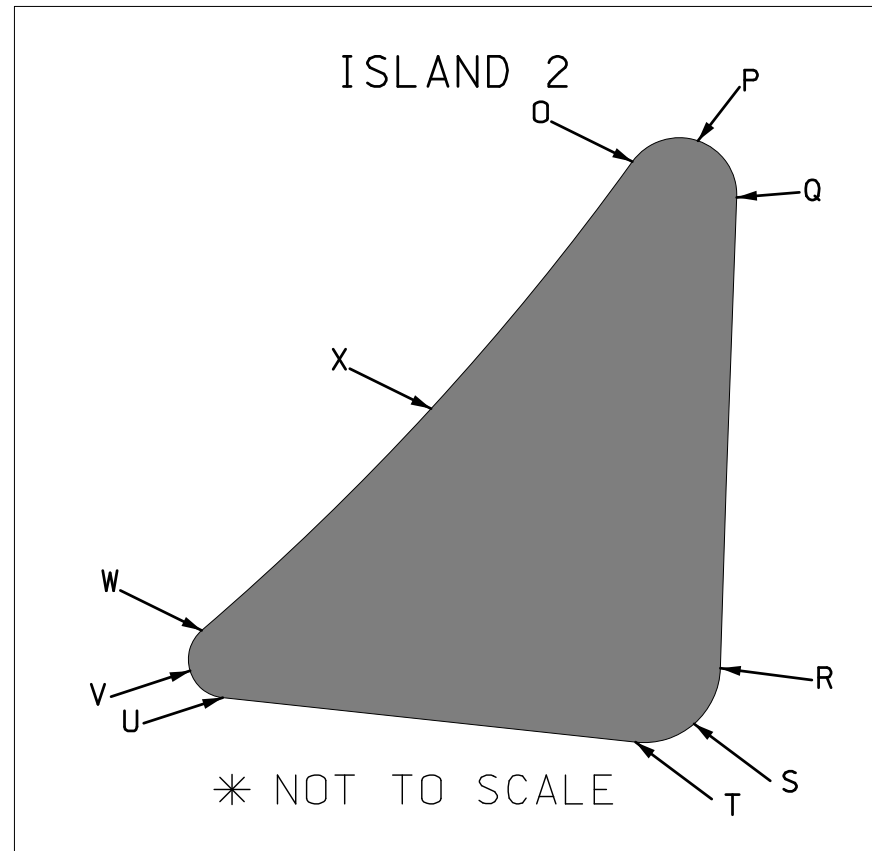
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
ISLAND AT
KEHRS MILL RD



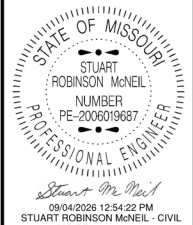
ISLAND 1		
PT	STA	OFFSET
A	118+69.65	58.0' LT
B	118+71.77	60.4' LT
C	118+74.00	61.0' LT
D	118+75.45	59.3' LT
E	118+76.91	41.3' LT
F	118+75.87	38.4' LT
G	118+72.93	37.0' LT
H	118+71.06	37.0' LT
I	118+64.90	36.8' LT
J	118+49.93	36.2' LT
K	118+47.89	37.5' LT
L	118+48.69	39.8' LT
M	118+56.54	45.5' LT
N	118+63.82	51.9' LT

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ISLAND 2		
PT	STA	OFFSET
O	119+53.67	42.2' LT
P	119+54.81	38.8' LT
Q	119+51.90	36.7' LT
R	119+26.89	37.0' LT
S	119+23.88	38.3' LT
T	119+22.79	41.3' LT
U	119+24.48	62.9' LT
V	119+25.88	64.6' LT
W	119+28.11	64.1' LT
X	119+40.45	52.4' LT

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MO-PE-2006019687
DATE PREPARED
9/4/2026

ROUTE 340	STATE MO
--------------	-------------

DISTRICT	SHEET NO.
SL	27

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

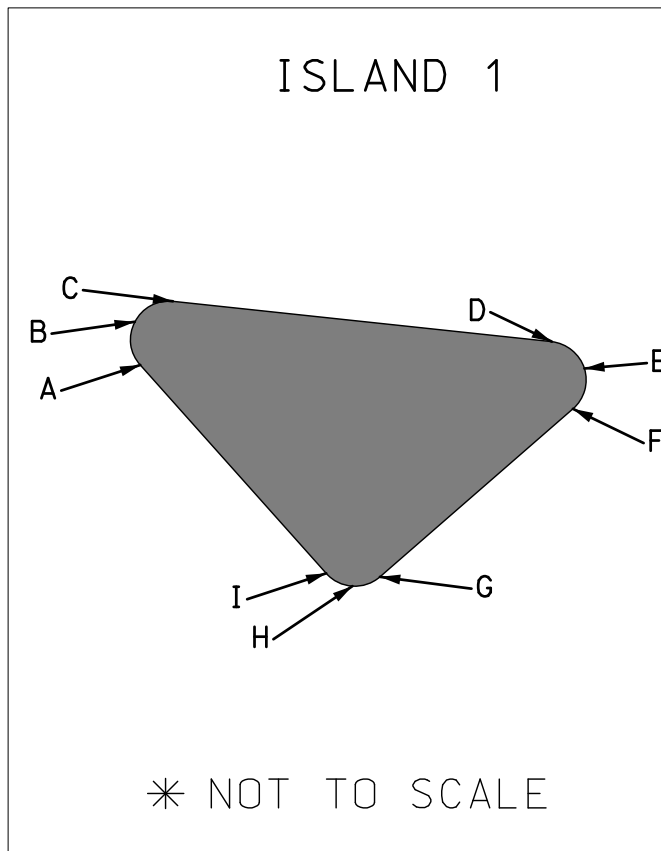
PROJECT NO.

BRIDGE NO. _____

[illegible]

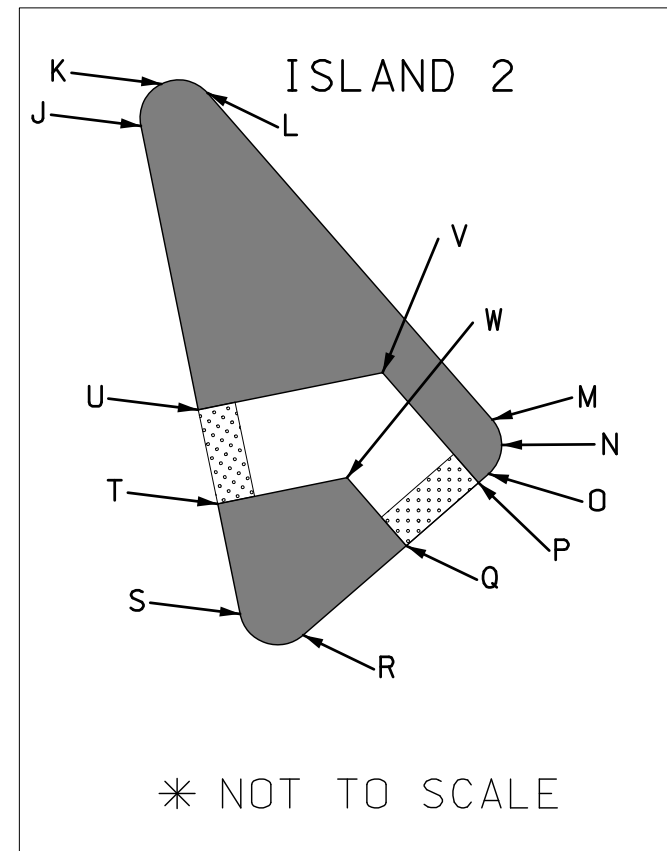

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
ISLANDS AT
COUNTRY RIDGE DR



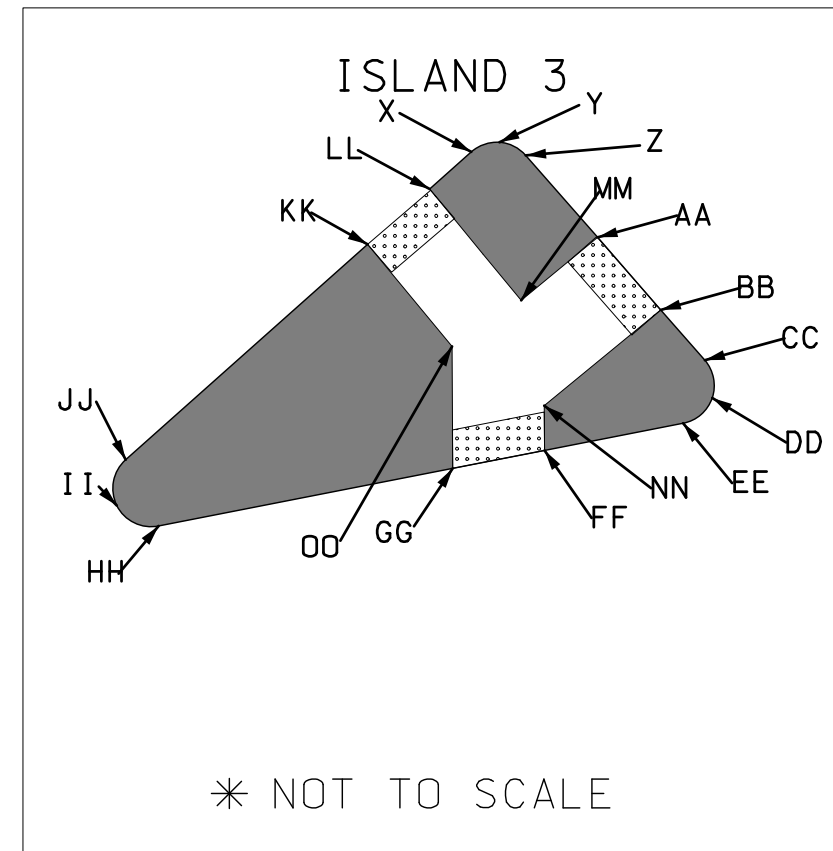
ISLAND 1			
PT	STA	OFFSET	
A	136+82.82	57.1'	LT
B	136+84.09	59.0'	LT
C	136+86.30	58.5'	LT
D	136+99.72	43.9'	LT
E	137+00.08	41.7'	LT
F	136+98.24	40.5'	LT
G	136+84.92	40.6'	LT
H	136+83.52	41.2'	LT
I	136+82.93	42.6'	LT

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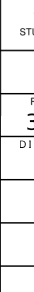


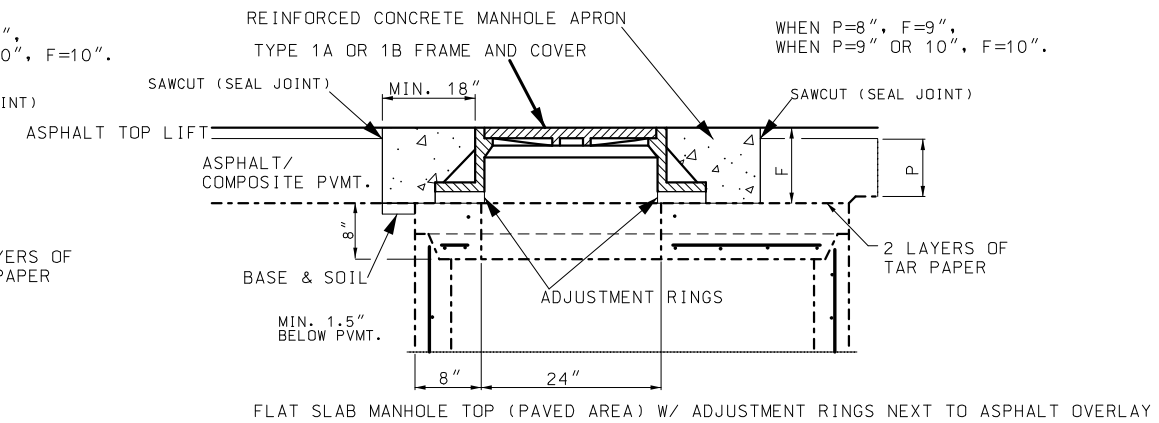
ISLAND 2		
PT	STA	OFFSET
J	136+35.38	67.0' LT
K	136+37.63	68.0' LT
L	136+39.11	66.0' LT
M	136.39.02	43.4' LT
N	136+37.02	41.5' LT
O	136+36.32	41.5' LT
P	136+31.32	41.5' LT
Q	136+24.21	41.5' LT
R	136+22.47	42.5' LT
S	136+22.47	44.5' LT
T	136+25.38	49.6' LT
U	136+27.85	53.9' LT
V	136+36.34	49.1' LT
W	136+31.33	46.2' LT

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ISLAND 3		
PT	STA	OFFSET
X	136+34.22	41.1' RT
Y	136+35.65	41.7' RT
Z	136+36.23	43.1' RT
AA	136+36.21	48.8' RT
BB	136+36.20	53.8' RT
CC	136+36.18	57.3' RT
DD	136+35.18	59.0' RT
EE	136+33.18	59.0' RT
FF	136+26.82	55.3' RT
GG	136+22.60	52.9' RT
HH	136+08.85	45.0' RT
II	136+07.91	42.7' RT
JJ	136+09.90	41.2' RT
KK	136+26.99	41.2' RT
LL	136+31.31	41.1' RT
MM	136+31.07	48.6' RT
NN	136+28.35	53.5' RT
OO	136+26.77	48.1' RT

		SPECIAL SHEET ISLANDS AT WILSON AVE/CLARKSON WOODS DR	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION			
105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)		DATE DESCRIPTION	
BRIDGE NO.		PROJECT NO.	
CONTRACT ID.		JOB NO.	
COUNTY		DISTRICT	
STATE		ROUTE	
9/4/2026		DATE PREPARED	



SECTION B-B



BENDING DIAGRAM FOR B-BARS

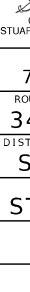


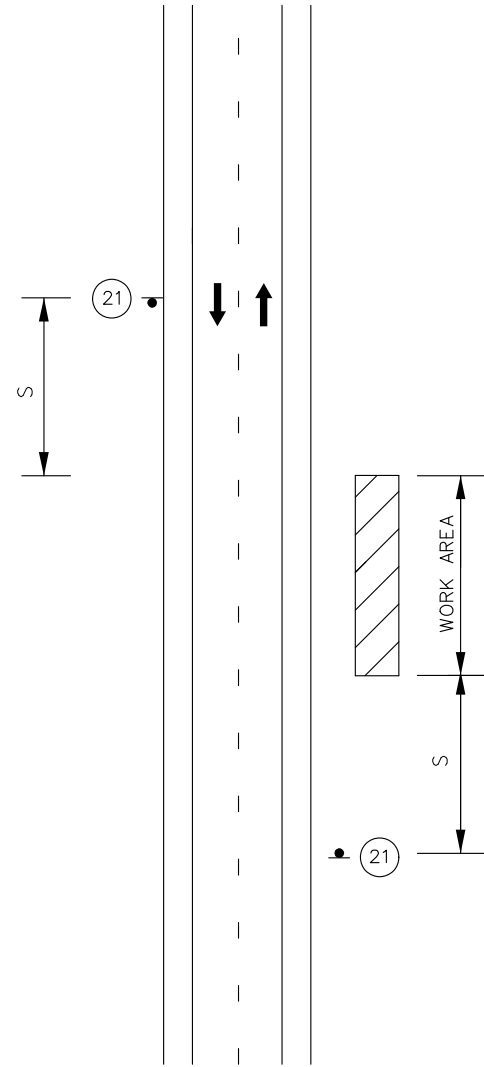
NOTE: INSTALL 'C' BARS VERTICALLY INTO MANHOLE APRON CONCRETE. PROVIDE MIN. 1.5" CLEARANCE FROM TOP OF PAVEMENT & BOTTOM OF APRON. LENGTH OF 'C' BARS FOR 'F' DIMENSION SHALL BE 6". BAR LENGTH MAY VARY. 'C' BARS SHALL BE TIED TO 'A' REINFORCEMENT. 'B' BARS SHALL BE TIED TO 'A' REINFORCEMENT. 'A' BAR REINFORCEMENT SHALL HAVE 1.5" CLEARANCE TO EDGE OF APRON.



- GENERAL NOTES:

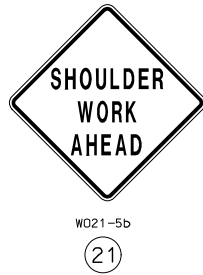
1. IF MANHOLE STRUCTURE DOES NOT HAVE FRAME & COVER BUT INSTEAD THE ENTIRE STRUCTURE REACHES THE TOP OF ROADWAY, THEN THIS SHEET SHALL NOT BE USED.
2. THIS SHEET SHALL TYPICALLY BE USED WHERE THE MANHOLE FRAME & COVER NEED TO BE RAISED TO GRADE, BUT CAN BE USED FOR NEW STRUCTURES AS WELL, PARTICULARLY FOR STRUCTURES INSTALLED WITHIN ASPHALT PAVEMENT.
3. THE CONTRACTOR SHALL USE 2 LAYERS OF 'A' & 'B' BAR REINFORCEMENT AS LONG AS 'F' THICKNESS NOTED ABOVE IS GREATER THAN OR EQUAL TO 9".
4. PAYMENT FOR REINFORCED CONCRETE MANHOLE APRON SHALL BE MADE PER EACH AND SHALL INCLUDE ALL NECESSARY REINFORCEMENT AND SAW CUTS OF EXISTING OR PROPOSED PAVEMENT.
5. MIN. DIMENSIONS OF 'A' AND 'B' IS THE FOLLOWING: 18" WALL + MANHOLE (INCLUDING WALL THICKNESS) + 18".
6. CONTRACTOR SHALL PROVIDE EITHER A SQUARE OR RECTANGLE SHAPED FULL DEPTH SAWCUT AROUND THE CONCRETE MANHOLE APRON AFTER CONSTRUCTION.
THE CONTRACTOR SHALL NOT DO A CIRCULAR SAWCUT AROUND THE REINFORCED CONCRETE MANHOLE APRON.
7. CONCRETE USED FOR MANHOLE APRON SHALL BE THE SAME AS THAT USED FOR FULL DEPTH PAVEMENT REPAIRS. PLEASE SEE SECTION 613.10 OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS. CONTRACTOR MAY BE ALLOWED TO USE HIGH EARLY STRENGTH CONCRETE, WITH APPROVAL FROM THE ENGINEER.
8. THE CONTRACTOR SHALL RAISE THE MANHOLE FRAME & COVER USING CONCRETE RINGS AND APPROVED MECHANICAL ADJUSTMENT DEVICES TO FINISH GRADE MATCHING PROFILE AND CROSS SLOPE.
9. REINFORCING BARS IN PAVEMENT SHALL BE EPOXY COATED AND SECURELY TIED TOGETHER AND FASTENED TO AVOID ANY POSSIBLE DISPLACEMENT DURING THE PLACING OF CONCRETE.
10. NO DIRECT PAYMENT WILL BE MADE FOR PROVIDING, CUTTING OR BENDING REINFORCING STEEL.
11. THE CONTRACTOR SHALL SEAL JOINTS FORMED BETWEEN THE INTERFACE OF THE NEW APRON AND THE ASPHALT PAVEMENT ALONG WITH JOINTS CREATED BY THE OVERCUT OF SAWING FOR THE REMOVAL OF PAVEMENT. SEE THE JSP FOR ADDITIONAL INFORMATION.

 STUART ROBINSON MCNEIL NUMBER PE-2006019687 PROFESSIONAL ENGINEER <i>Stuart R. McNeil</i> 07/27/2026 10:10:15 AM STUART ROBINSON MCNEIL - CIVIL MO-PE-2006019687	
DATE PREPARED	
7/24/2026	
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	30
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
DATE	DESCRIPTION
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	 105 WEST CAPITAL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)
SPECIAL SHEET CONCRETE MANHOLE APRON FOR ASPHALT PAVING	



NOT TO SCALE

SHOULDER WORK
WORK BEYOND THE SHOULDER
DIVIDED AND UNDIVIDED



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ▨ WORK AREA

NOTES:

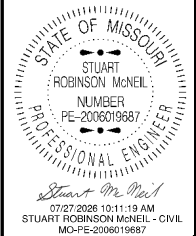
ONLY APPLICABLE WHEN WORK IS WITHIN THE CLEAR ZONE.

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

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

ROADWAY LIMITS	SPEED		SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
	PERM. POSTED (MPH)	WORK ZONE (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
MANCHESTER RD TO CLAYTON RD	35	25	200	—	70	245	280	35	40
CLAYTON RD TO NORTH OF CLARKSON MILL CIR	40	30	350	—	150	540	400	40	80
NORTH OF CLARKSON MILL CIR TO LEA OAK DR	45	35	350	500	150	540	400	40	80

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



DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 31
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

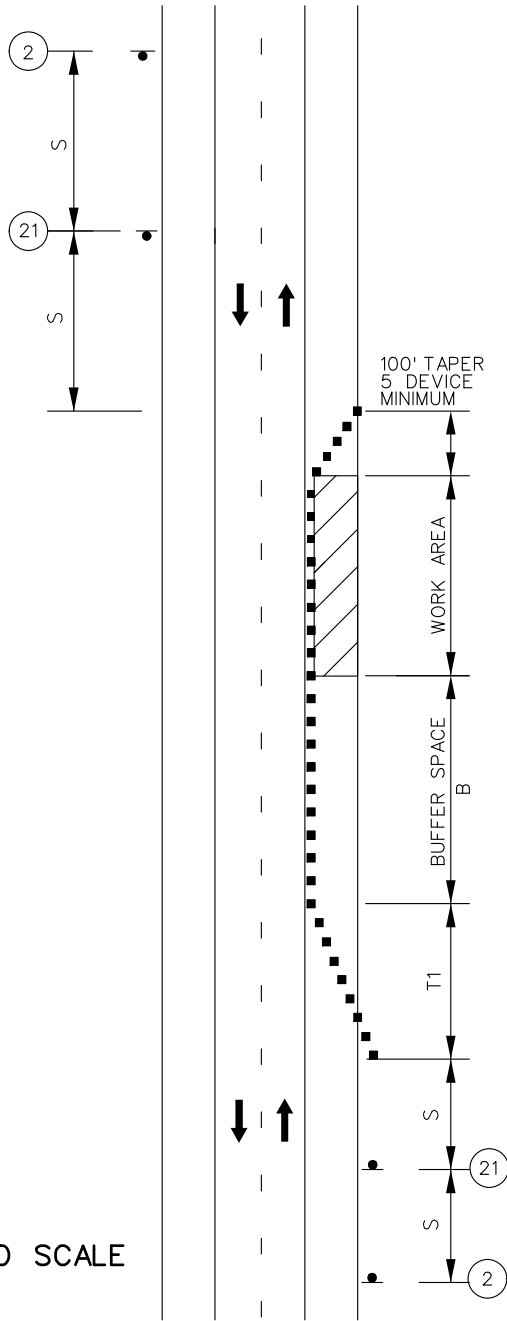
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

NOT TO SCALE

WORK ON THE SHOULDER
ON DIVIDED AND UNDIVIDED
HIGHWAYS

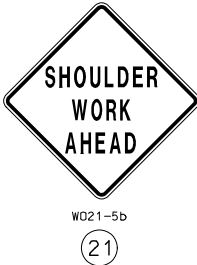


TRAFFIC CONTROL LEGEND

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

ROADWAY LIMITS		SPEED		SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)		PERM. POSTED (MPH)	WORK ZONE (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
MANCHESTER RD TO CLAYTON RD		35	25	200	–	70	245	280	35	40
CLAYTON RD TO NORTH OF CLARKSON MILL CIR		40	30	350	–	150	540	400	40	80
NORTH OF CLARKSON MILL CIR TO LEA OAK DR		45	35	350	500	150	540	400	40	80

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



NOTES:

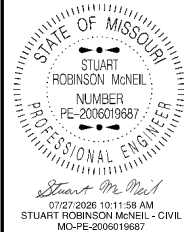
PROVIDE SIGNS ON LEFT AND RIGHT SIDES OF DIVIDED HIGHWAYS.

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

SEE EPG 616.18 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

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

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

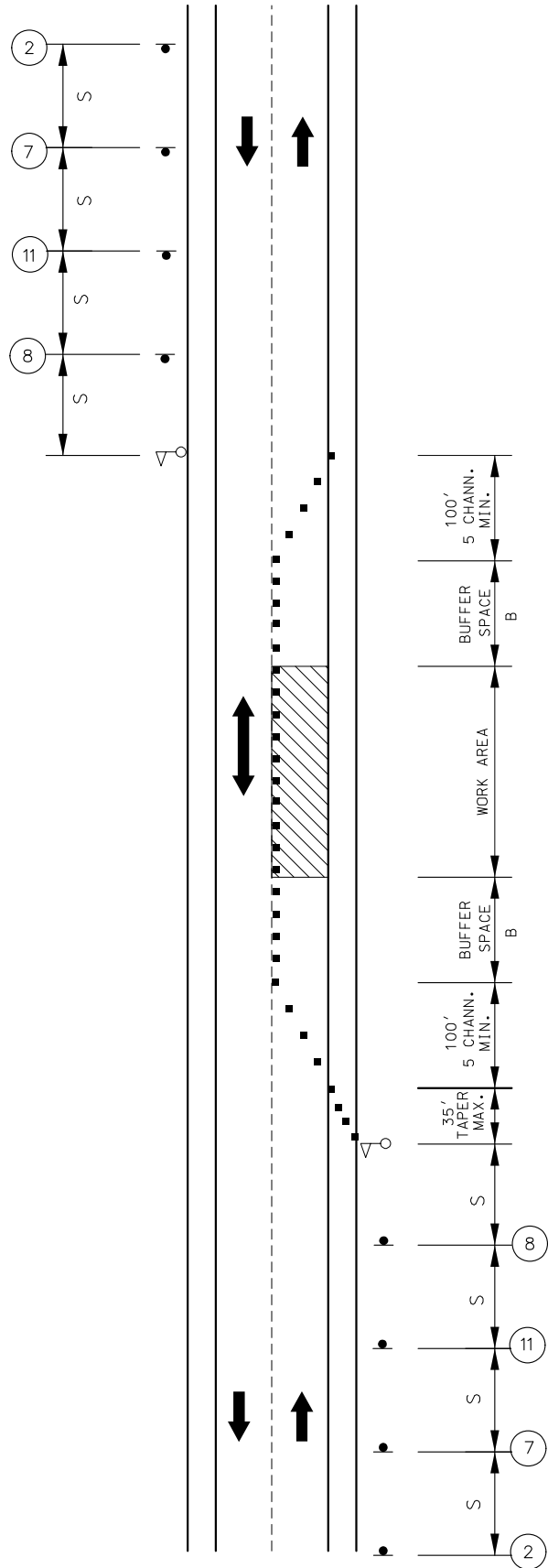


DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 32
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

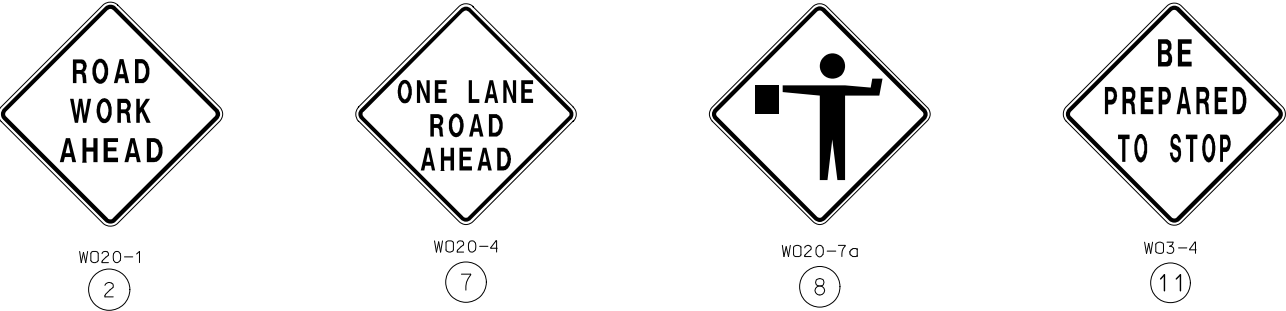
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



LANE CLOSURE ON
TWO-LANE ROAD
USING FLAGGERS



NOTES:

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

SEE EPG 616.18 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

IF RUMBLE STRIPS ARE USED, REVIEW 616.13.6 TEMPORARY TRANSVERSE RUMBLE STRIPS.

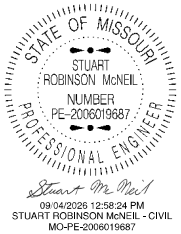
IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOTCANDLES (6.5 LUX).

TRAFFIC CONTROL LEGEND

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

ROADWAY LIMITS	SPEED		SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	PERM. (MPH)	WORK ZONE (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
MANCHESTER RD TO CLAYTON RD	35	25	200	-	-	-	280	-	40
CLAYTON RD TO NORTH OF CLARKSON MILL CIR	40	30	350	-	-	-	400	-	80
NORTH OF CLARKSON MILL CIR TO LEA OAK DR	45	35	350	500	-	-	400	-	80

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

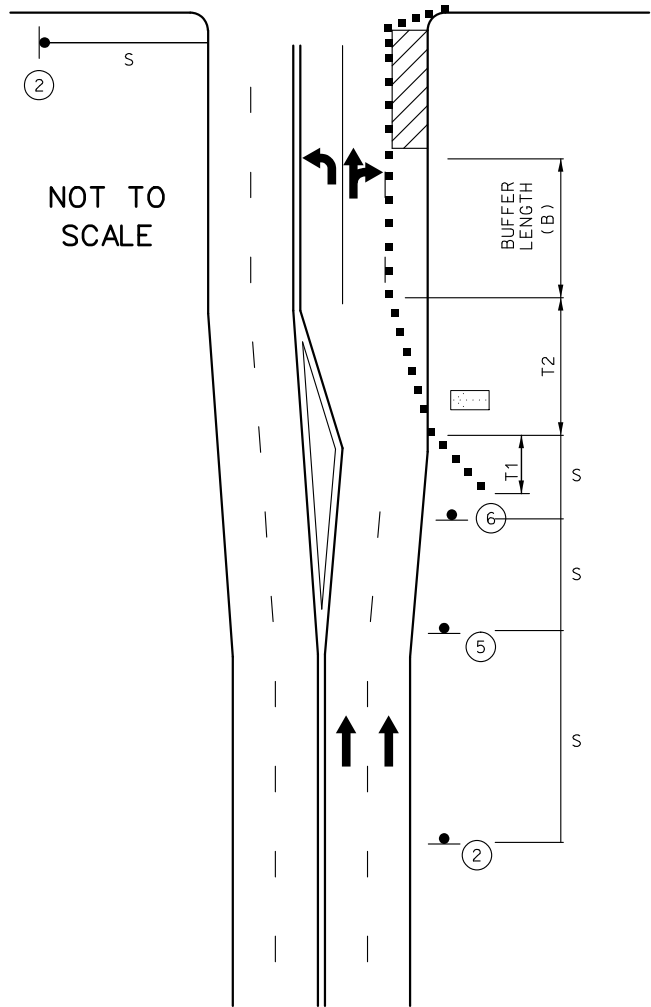
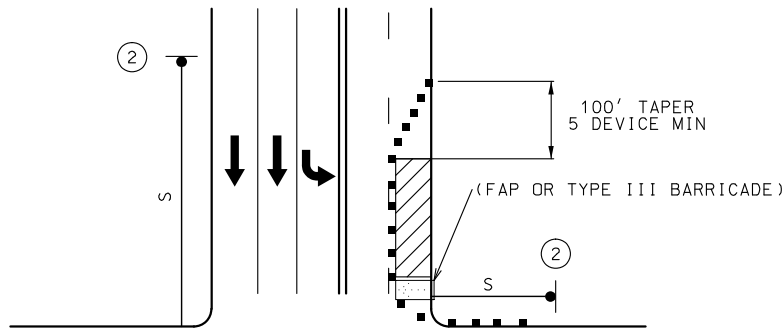


DATE PREPARED 9/4/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 33
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



NOT TO SCALE

RIGHT LANE CLOSURE AT INTERSECTION
WORK ON NEAR OR FAR SIDE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLASHING ARROW PANEL



W020-1
(2)

BRIDGE
OR
RAMP



W020-5
(5)

CENTER
OR
LEFT



W020-6a
(6)

CENTER
OR
LEFT

NOTES:

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

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

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

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

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

ROADWAY LIMITS	SPEED		SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.)	
	PERM. POSTED (MPH)	WORK ZONE (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)		TAPERS	BUFFER/ WORK AREAS
MANCHESTER RD TO CLAYTON RD	35	25	200	-	70	245	280	35	40
CLAYTON RD TO NORTH OF CLARKSON MILL CIR	40	30	350	-	150	540	400	40	80
NORTH OF CLARKSON MILL CIR TO LEA OAK DR	45	35	350	500	150	540	400	40	80

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



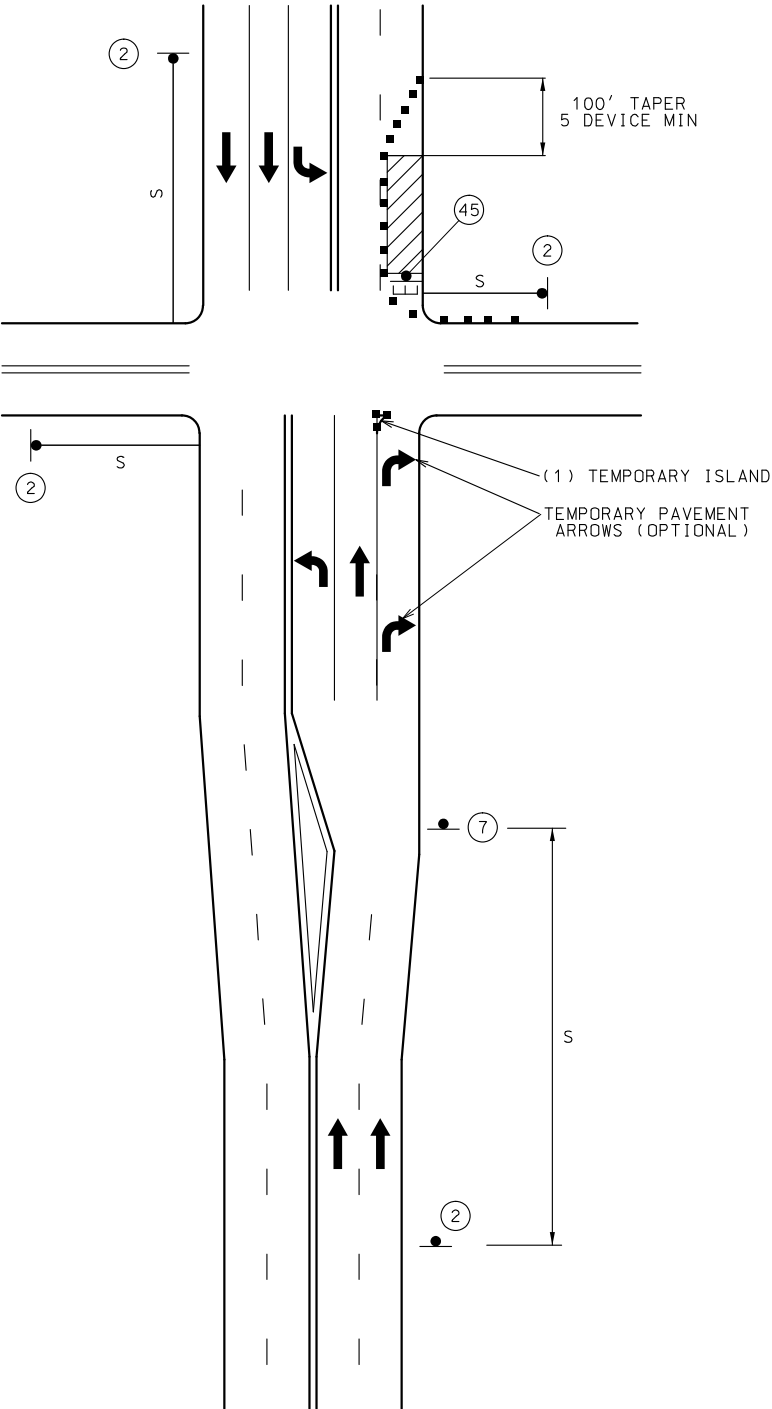
DATE PREPARED
7/24/2026
ROUTE 340
STATE MO
DISTRICT SL
SHEET NO. 34
COUNTY ST. LOUIS
JOB NO. JSL0151
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

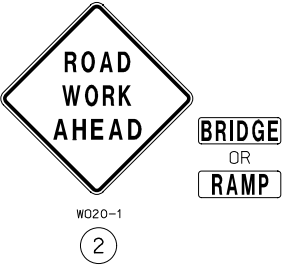


TRAFFIC CONTROL SHEET
SHEET 4 OF 14
RIGHT LANE CLOSURE
AT INTERSECTION



RIGHT LANE CLOSURE AT INTERSECTION
WORK ON FAR SIDE

NOT TO SCALE



- TRAFFIC CONTROL LEGEND
- SIGN (SINGLE SIDED)
 - CHANNELIZER (TRIM-LINE)
 - ▨ WORK AREA
 -] TYPE 3 MOVEABLE BARRICADE

NOTES:

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

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

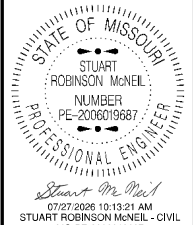
TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

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

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

ROADWAY LIMITS	SPEED		SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
	PERM. POSTED (MPH)	WORK ZONE (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
MANCHESTER RD TO CLAYTON RD	35	25	200	-	70	245	280	35	40
CLAYTON RD TO NORTH OF CLARKSON MILL CIR	40	30	350	-	150	540	400	40	80
NORTH OF CLARKSON MILL CIR TO LEA OAK DR	45	35	350	500	150	540	400	40	80

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



DATE PREPARED
7/24/2026

ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 35
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

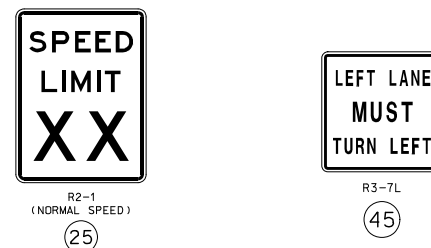
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL SHEET
SHEET 5 OF 14
RIGHT LANE CLOSURE
AT INTERSECTION
WORK ON FAR SIDE



	SIGN (SINGLE SIDED)
	CHANNELIZER (TRIM-LINE)
	DIRECTIONAL INDICATOR BARRICADES (DIBS)
	WORK AREA
	FLASHING ARROW PANEL
	TYPE 3 BARRICADE



REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

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

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

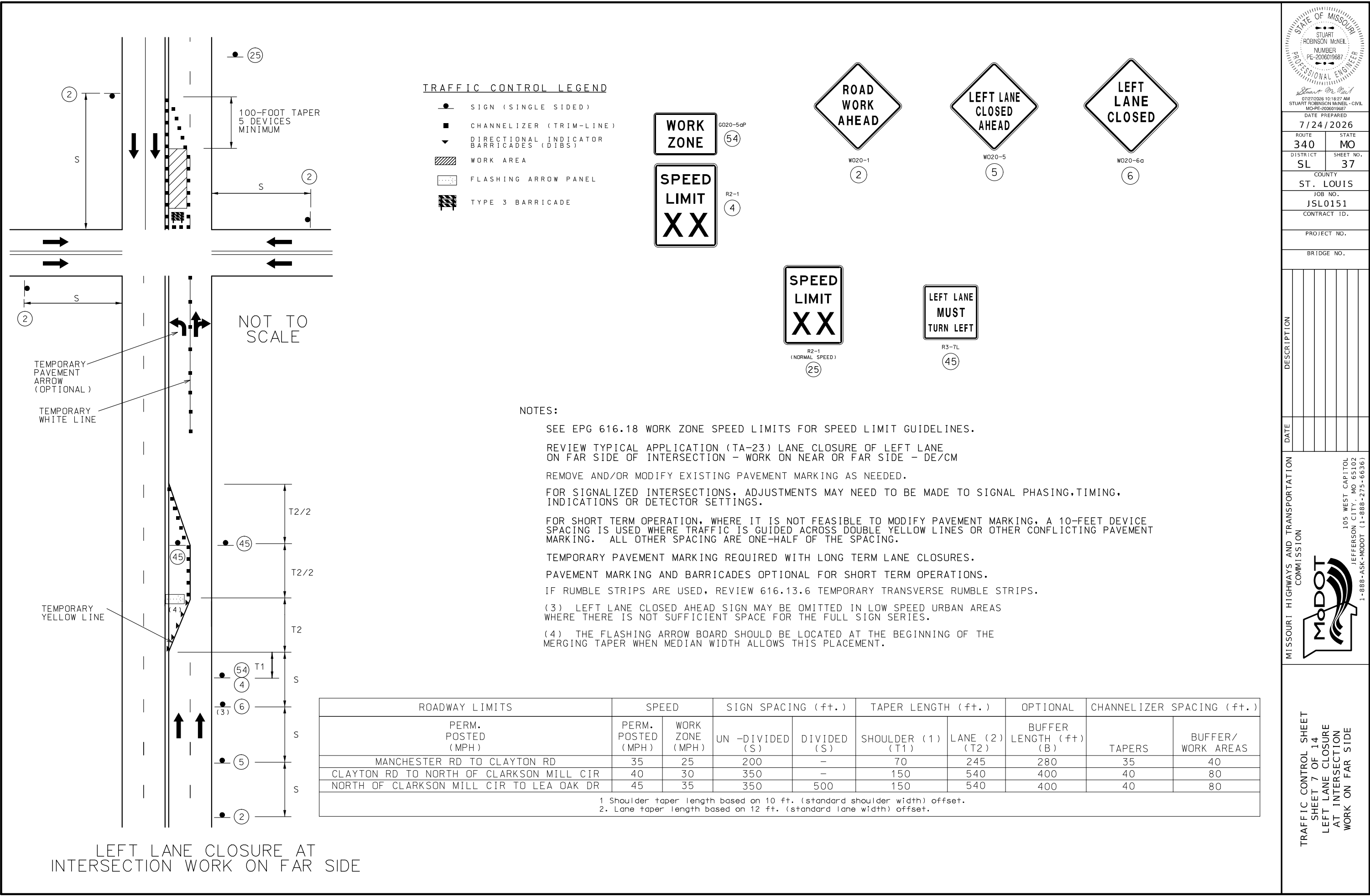
TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

ROADWAY LIMITS	SPEED		SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	PERM. POSTED (MPH)	WORK ZONE (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
MANCHESTER RD TO CLAYTON RD	35	25	200	—	70	245	280	35	40
CLAYTON RD TO NORTH OF CLARKSON MILL CIR	40	30	350	—	150	540	400	40	80
NORTH OF CLARKSON MILL CIR TO LEA OAK DR	45	35	350	500	150	540	400	40	80
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.									

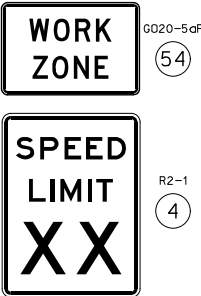
1. Shoulder taper length based on 10 ft. (standard shoulder width) offset
2. Lane taper length based on 12 ft. (standard lane width) offset.

		DATE PREPARED	
		7/24/2026	
ROUTE	STATE		
340	MO		
DISTRICT	SHEET NO.		
SL	36		
COUNTY			
ST. LOUIS			
JOB NO.			
JSL0151			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION		DATE	
		DESCRIPTION	
TRAFFIC CONTROL SHEET SHEET 6 OF 14 LEFT LANE CLOSURE AT INTERSECTION		105 WEST CAPITOL JEFFERSON CITY, MO 65102	



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- ▼ DIRECTIONAL INDICATOR BARRICADES (DIBS)
- ▨ WORK AREA
- ⬢ FLASHING ARROW PANEL
- ▩ TYPE 3 BARRICADE

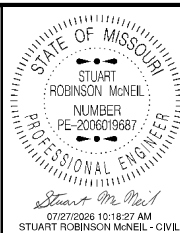


NOTES:

- SEE EPG 616.18 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.
- REVIEW TYPICAL APPLICATION (TA-23) LANE CLOSURE OF LEFT LANE ON FAR SIDE OF INTERSECTION - WORK ON NEAR OR FAR SIDE - DE/CM
- REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.
- FOR SIGNALIZED INTERSECTIONS, ADJUSTMENTS MAY NEED TO BE MADE TO SIGNAL PHASING, TIMING, INDICATIONS OR DETECTOR SETTINGS.
- FOR SHORT TERM OPERATION, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10-FOOT DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKING. ALL OTHER SPACING ARE ONE-HALF OF THE SPACING.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.
- IF RUMBLE STRIPS ARE USED, REVIEW 616.13.6 TEMPORARY TRANSVERSE RUMBLE STRIPS.
- (3) LEFT LANE CLOSED AHEAD SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.
- (4) THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.

ROADWAY LIMITS	SPEED		SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	PERM. POSTED (MPH)	WORK ZONE (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
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CLAYTON RD TO NORTH OF CLARKSON MILL CIR	40	30	350	-	150	540	400	40	80
NORTH OF CLARKSON MILL CIR TO LEA OAK DR	45	35	350	500	150	540	400	40	80

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



DATE PREPARED
7/24/2026

ROUTE 340 STATE MO
DISTRICT SL SHEET NO. 37
COUNTY ST. LOUIS
JOB NO. JSL0151
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
SHEET 7 OF 14
LEFT LANE CLOSURE
AT INTERSECTION
WORK ON FAR SIDE



SEE EPG 616.18 WORK ZONE SPEED LIMITS FOR SPEED
LIMIT GUIDELINES.

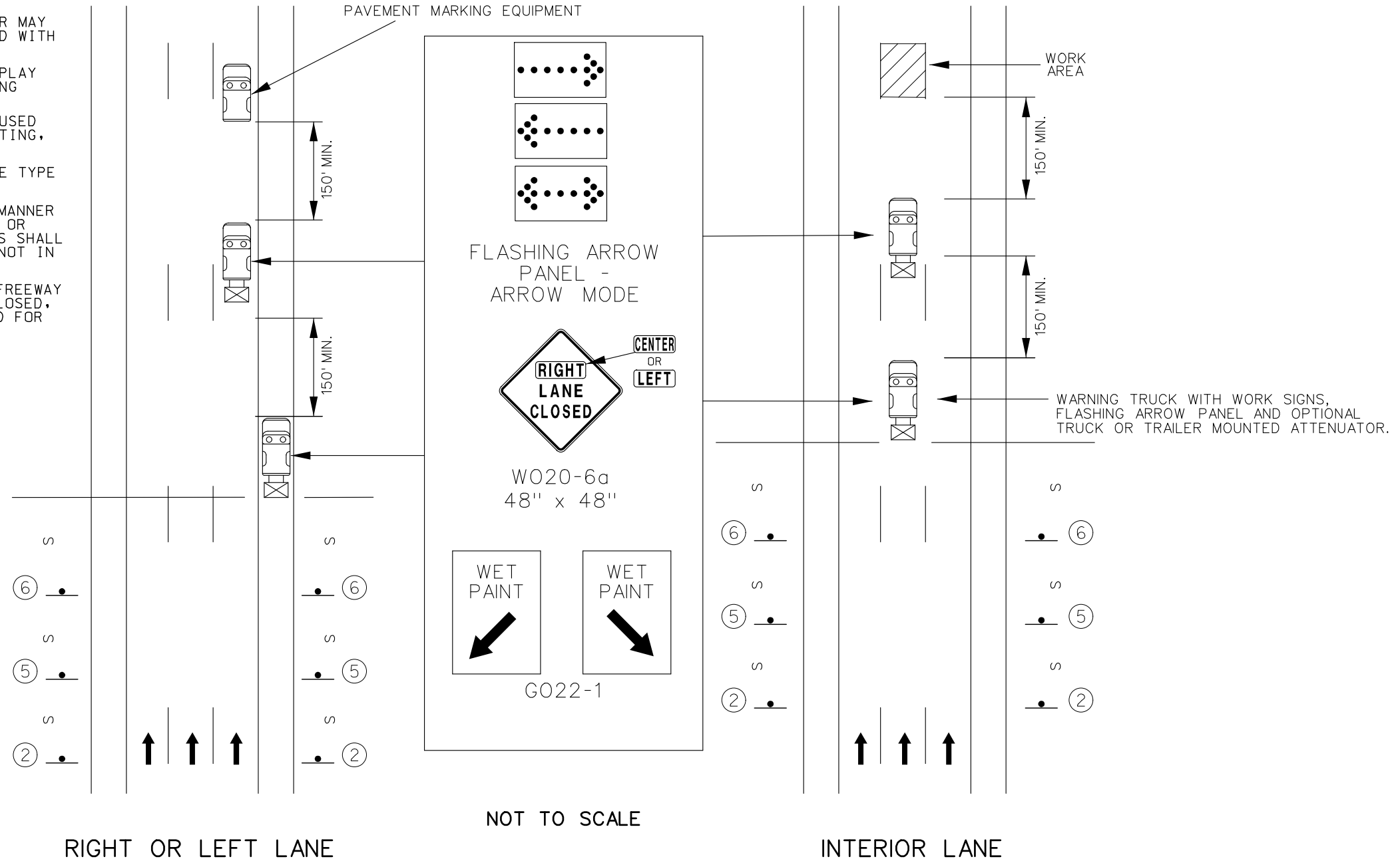
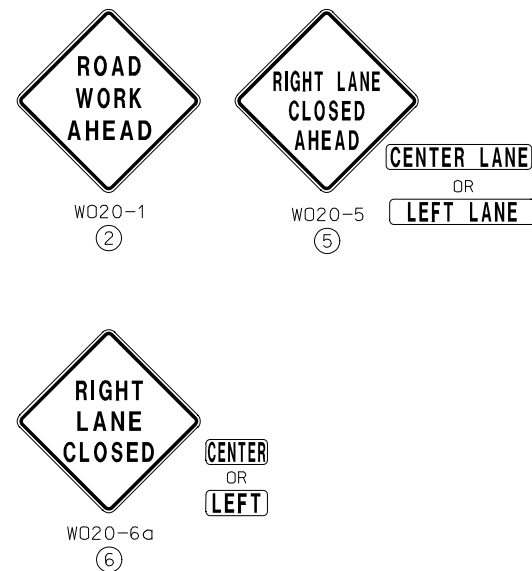
PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY
HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING
OR STROBE LIGHTS.

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

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

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

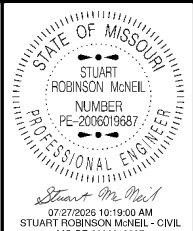
A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE LANE IS CLOSED, A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.



	SIGN (SINGLE SIDED)
	SIGN (DOUBLE SIDED)
	FLAGGER
	CONE
	CHANNELIZER
	BARRICADE
	CHANGEABLE MESSAGE BOARD

ROADWAY LIMITS	SPEED		SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	PERM. POSTED (MPH)	WORK ZONE (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
MANCHESTER RD TO CLAYTON RD	35	25	200	—					
CLAYTON RD TO NORTH OF CLARKSON MILL CIR	40	30	350	—					
NORTH OF CLARKSON MILL CIR TO LEA OAK DR	45	35	350	500					
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.									

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

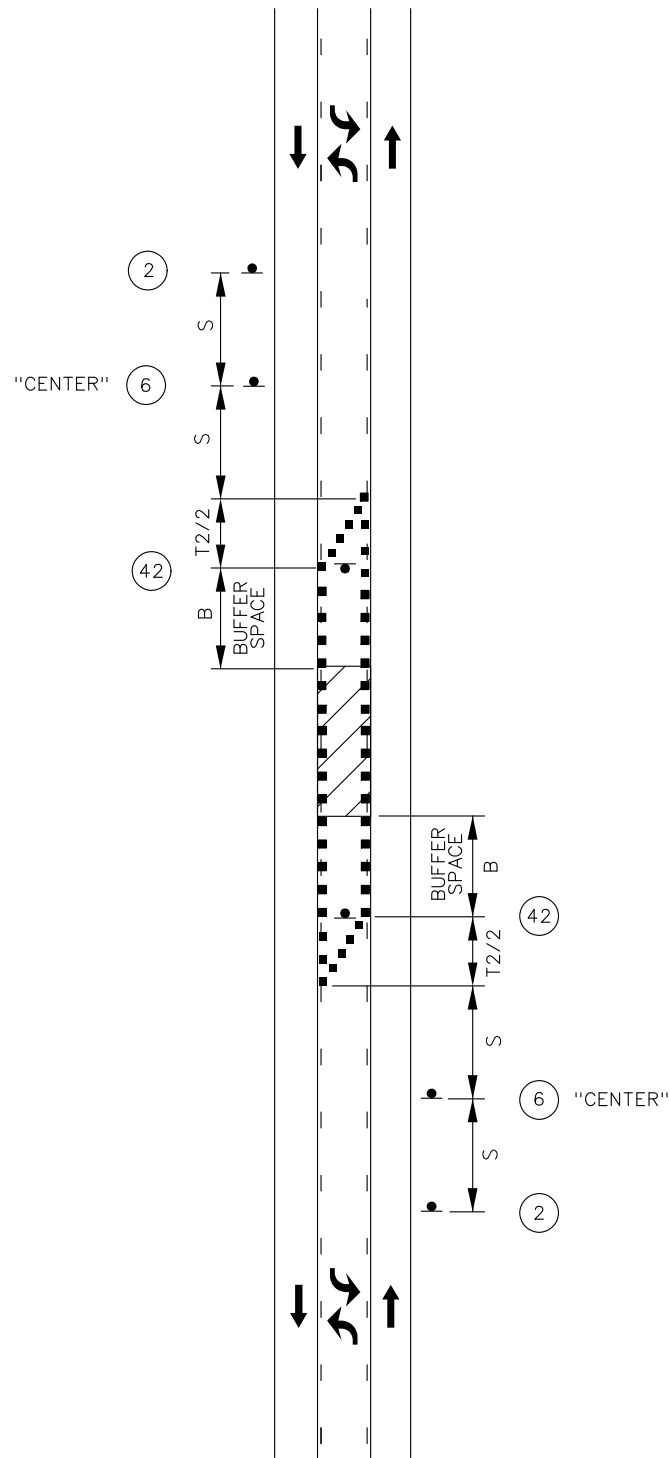


DATE PREPARED	
7/24/2026	
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	40
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

TRAFFIC CONTROL SHEET
SHEET 10 OF 14
MOBILE OPERATION



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

NOT TO SCALE

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- FLASHING ARROW PANEL



ROADWAY LIMITS	SPEED		SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	PERM. POSTED (MPH)	WORK ZONE (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
MANCHESTER RD TO CLAYTON RD	35	25	200	-	70	245	280	35	40
CLAYTON RD TO NORTH OF CLARKSON MILL CIR	40	30	350	-	150	540	400	40	80
NORTH OF CLARKSON MILL CIR TO LEA OAK DR	45	35	350	500	150	540	400	40	80

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

STATE OF MISSOURI

STUART ROBINSON MONEI

NUMBER

PE-2006019687

PROFESSIONAL ENGINEER

Stuart M. Monel

07/27/2026 10:19:09 AM

STUART ROBINSON MONEI - CIVIL

MO-PE-2006019687

DATE PREPARED

7/24/2026

ROUTE

340

DISTRICT

SL

STATE

MO

SHEET NO.

41

COUNTY

ST. LOUIS

JOB NO.

JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

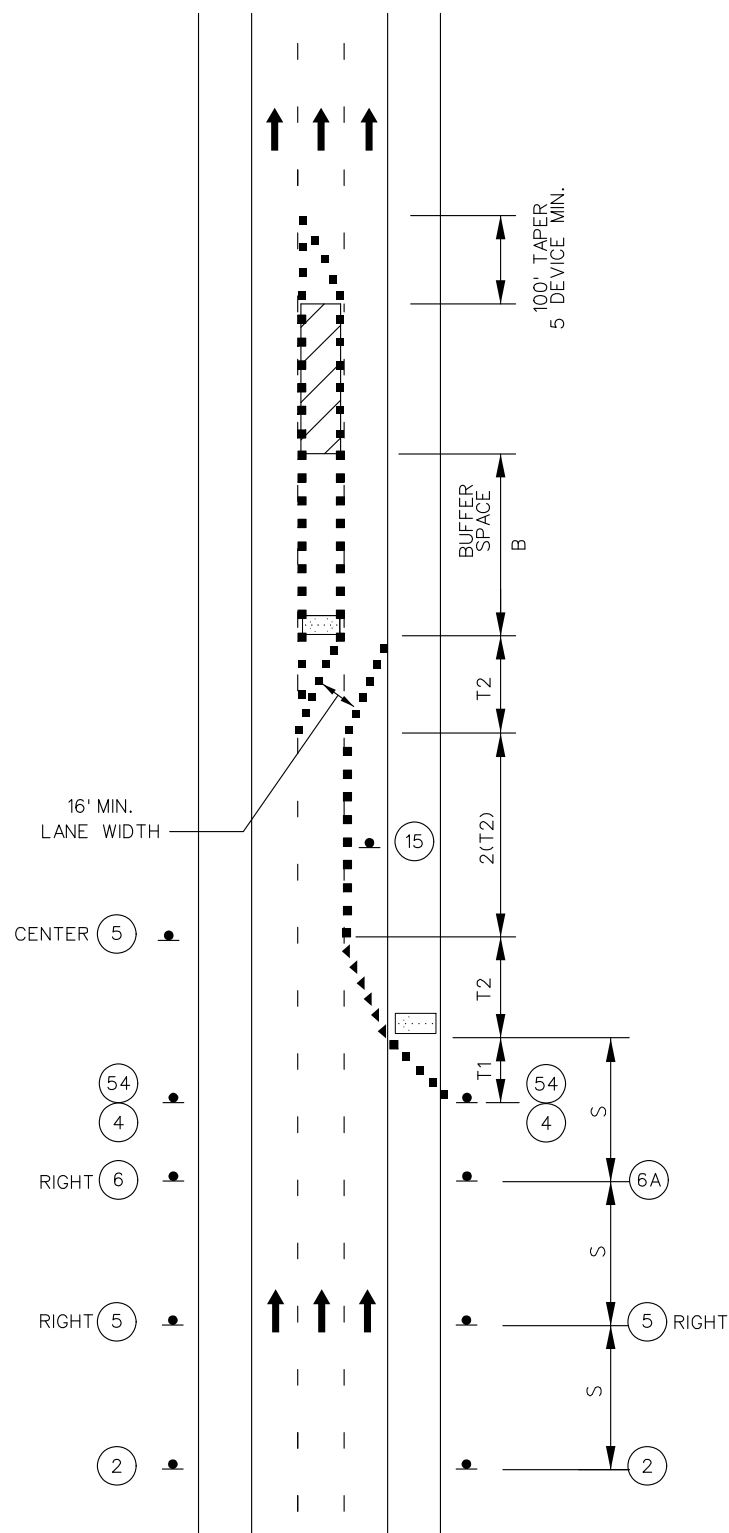
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET

SHEET 11 OF 14

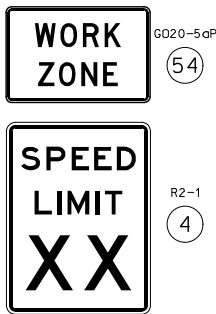
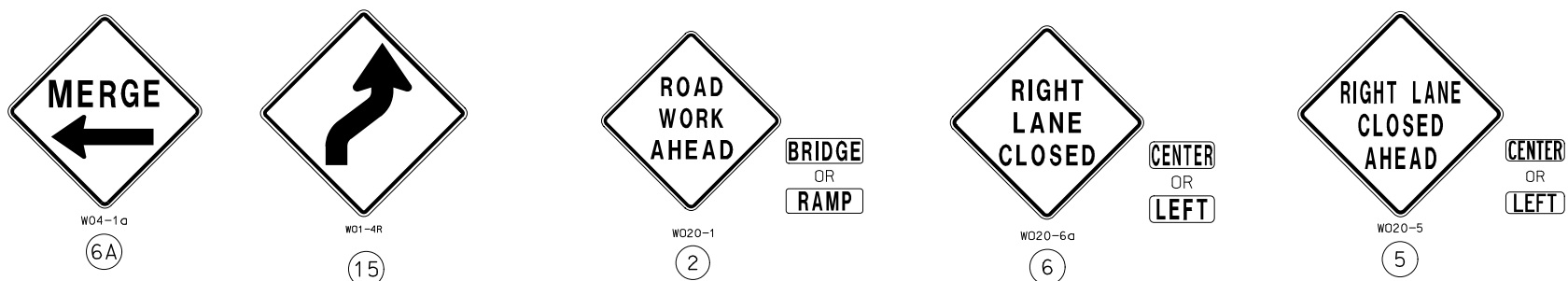
OPERATION IN A TWO

WAY LEFT TURN LANE



INTERIOR LANE CLOSURE
ON MULTI-LANE HIGHWAY

NOT TO SCALE



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◀ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER (TRIM-LINE)
- ▨ WORK AREA
- ◻ FLASHING ARROW PANEL
- 🚚 TRUCK MOUNTED ATTENUATOR (TMA)

NOTES:

- REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.
- ALTERNATIVE TEMPORARY TRAFFIC CONTROL SET-UPS SHOULD BE CONSIDERED WHEN REDUCTION IN CAPACITY CANNOT BE TOLERATED.
- A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

ROADWAY LIMITS		SPEED		SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)		PERM. POSTED (MPH)	WORK ZONE (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
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CLAYTON RD TO NORTH OF CLARKSON MILL CIR		40	30	350	-	150	540	400	40	80
NORTH OF CLARKSON MILL CIR TO LEA OAK DR		45	35	350	500	150	540	400	40	80

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

STATE OF MISSOURI

STUART ROBINSON MCNEIL

NUMBER
PE-2006019687

PROFESSIONAL ENGINEER

Stuart M. McNeil

07/27/2026 10:19:18 AM

STUART ROBINSON MCNEIL - CIVIL

MO-PE-2006019687

DATE PREPARED
7/24/2026

ROUTE
340

DISTRICT
SL

STATE
MO

SHEET NO.
42

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

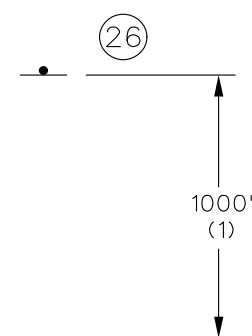
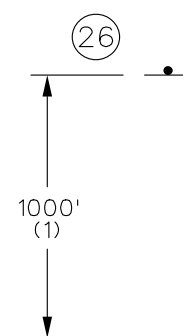
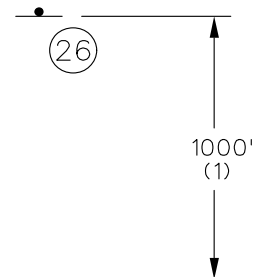
105 WEST CAPITOL

JEFFERSON CITY, MO 65102

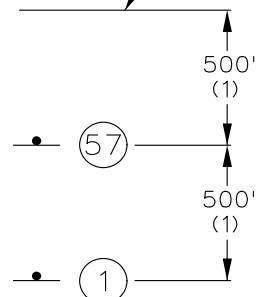
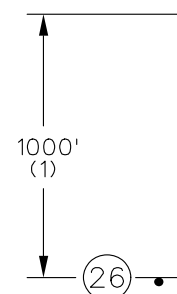
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

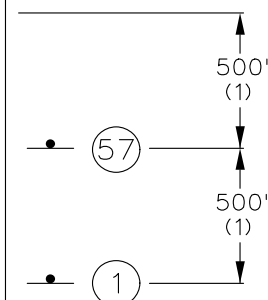
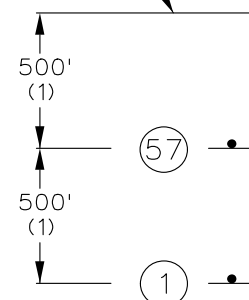
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



END OF PROJECT LIMITS; END OF WORK ZONE
TERMINATION AREA, IF LOCATED BEYOND END
OF PROJECT; OR LAST WORK ZONE SIGN, IF
LOCATED OUTSIDE PROJECT LIMITS.



BEGINNING OF PROJECT LIMITS;
- OR INITIAL WORK ZONE SIGN, IF —
LOCATED OUTSIDE PROJECT LIMITS.



NOTES:
SIGN G020-1 IS REQUIRED PER EPG 616.1.4

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

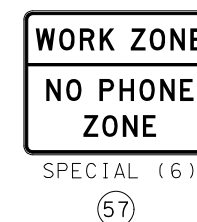
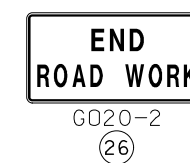
OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

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

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

(2) SIGN CONST-7-72 OR CONST-7-48 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN. IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.

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



TWO-LANE UNDIVIDED

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

MULTI-LANE DIVIDED

[illegible]

CONDUIT						CABLE								REMARKS		
FROM	TO	CTR TO CTR DISTANCE	TRENCHED	TRENCHED	PUSHED	FROM	TO	CTR TO CTR DISTANCE		CONTROL						
			2"	3"	3"					CAT-5 ETHERNET CABLE			CAMERA CABLE			
SOURCE	PS/LT/CTRL					SOURCE 	PS/LT/CTRL									(INCLUDED IN COST OF PS) = X 3
EX PB 1	(9)	15		16												
						CONT.	CCTV	117	162							
						CONT.		27			51					
						CONT.		115			145					
						CONT.		27			50					
						CONT.		115			144					
						CONT.		117				(204)				(FOR INFORMATION ONLY)
						CONT.		117				(194)				(FOR INFORMATION ONLY)
						CONT.		100				(177)				(FOR INFORMATION ONLY)
						CONT.		100				(187)				(FOR INFORMATION ONLY)
SUBTOTAL				16						162	194	196				
SUBTOTAL										8	10	10				INCLUDE 5% FOR SNAKING
TOTAL				16						170	200	210				

[illegible]

SIGNAL SIGNS					
QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA	SIGNAL SIGN MOUNTING HARDWARE
				ITEM NO. 90208.33	ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
1	R10-3eL	9 X 15	0.9	0.9****	1****
1	R10-3eR	9 X 15	0.9	0.9****	1****
		SUBTOTAL		1.8	2
		TOTAL		0	0

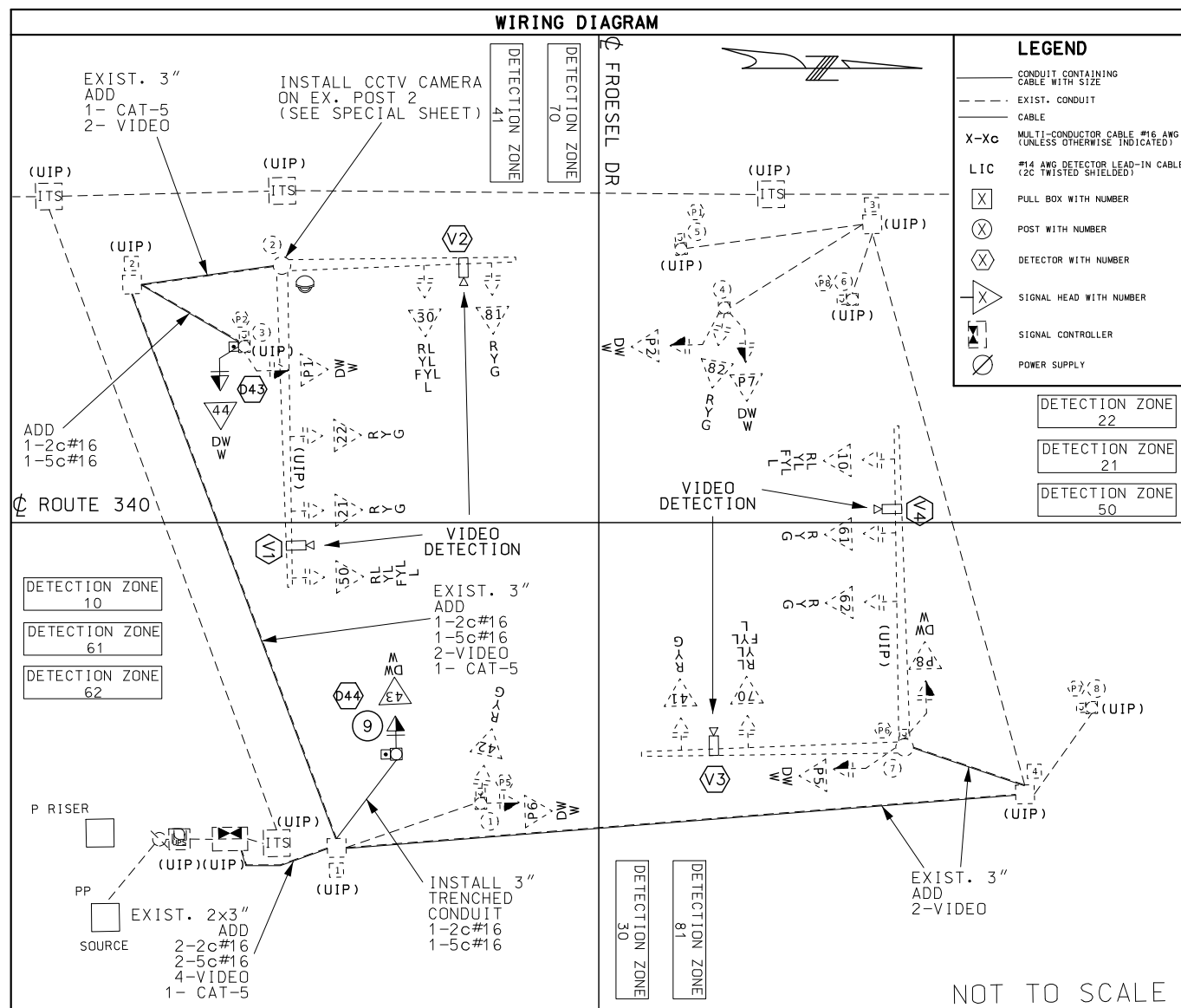
DETECTOR SCHEDULE			
DETECTOR NUMBER	DETECTOR ZONE	TYPE	
		AUDIBLE PEDESTRIAN PUSH BUTTON	SL DETECTION
61,62,10	NB ROUTE 340 T/RT,T,LT	-	1
21,22,50	SB ROUTE 340 T/RT,T,LT	-	1
41,70	EB FROESSEL DR LT,T/RT	-	1
30,81	WB COMMERCIAL ENTRANCE LT, T/RT	-	1
D43	EB PED - WEST SIDE CROSSING ROUTE 340	1	
D44	WB PED - EAST SIDE CROSSING ROUTE 340	1	
TOTAL		2	***

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM		
	DETECTION SYSTEM (EACH)	REMARKS
INTERSECTION TOTAL	1	SEE JOB SPECIAL PROVISIONS

PEDESTRIAN SIGNAL PHASING															
(U/P) ↑ ↓								(U/P) ↓ ↑	(U/P) ← →						
				← →											
PED + 2				PED + 4				PED + 6				PED + 8			
OVERLAP				OVERLAP				OVERLAP				OVERLAP			
P1				43				P5				P7			
P2				44				P6				P8			
W	DW			DW				DW				DW			
W	W			W				W				W			
P1			D43					P5				P7			
P2			D44					P6				P8			
φ2			φ4					φ6				φ8			

POST NUMBER		FACE NUMBER		SIGNAL HEADS												
				VISORS*			BRACKET*		ONE-FACE				ONE-FACE			
									1-				5-			
				12"	PED.	TYPE I	T	S	C	B	T	S	C	B		
9	43	1		1		1		1								
3	44	1		1		1		1								
COUNTDOWN SUBTOTAL									2							
COUNTDOWN TOTAL									2							

LEGEND
T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT



STATE OF MISSOURI
STUART
ROBINSON MCNEIL
NUMBER
PE-2006019687
PROFESSIONAL ENGINEER

07/31/2026 7:48:46 AM
STUART ROBINSON McNEIL - CIVIL

DATE PREPARED

7/30/2026

ROUTE	STATE
-------	-------

340	MO
-----	----

DISTRICT	SHEET NO.
----------	-----------

SI 46

SE	TO
COUNTY	

ST LOUIS

JOB NO.

ISL 0151

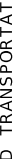
75L0151

CONTRACT ID

CONTRACT ID:

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

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FROESEL DR AT
 ROUTE 340 (CLARKSON RD)
 COMBINED D SHEET

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

[illegible]

EFFECTIVE: 07-01-2018

[illegible][illegible]

REMARKS
ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.
* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.
*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.
SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

ROUTE 340 (CLARKSON RD) AT MARSH AVE INTERSECTION

LEGEND

T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

D-37A

DATE PREPARED	
7/30/2026	
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	50
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0151	
CONTRACT ID.	

[illegible]

SIGNAL SHEET
ROUTE 340 AT MARSH AVE
D-37B

POWER SUPPLY																	
LOCATION			POWER SUPPLY ASSEMBLY DUAL METER PAD MOUNTED COMBINATION SIGNAL/LIGHTING POWER SUPPLY/LIGHTING CONTROLLER W/UPS	CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)			SERVICE POLE						
APPROACH	STATION	OFFSET		CONTROLLER		POWER SUPPLY DISCONNECT		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY						
				AUXILIARY BREAKER	CONT. & SIGNAL LAMPS	MAIN BREAKER											
						Amper	Amper	SIGNALS	LIGHTING			Amper	Amper				
NB ROUTE 340	19+34.52	50.0' LT	1	15	Amper	15	Amper	100	Amper	100	Amper	1	15	Amper	C.I.	F.T.	AMEREN
					Amper		Amper		Amper		Amper			Amper	C.I.	F.T.	

[illegible]

		NEMA DETECTOR ASSIGNMENT							
		CARD POSITION							
		1	2	3	4	5	6	7	8
C H A N N E L	1								
	2			SL DETECTION					

TOTAL NUMBER OF DETECTOR CARDS (2-CHANNEL) = (2)

DETECTOR SCHEDULE							
DETECTOR NUMBER	APPROACH	DETECTOR ZONE	TYPE				SL DETECTION
			AUDIBLE PEDESTRIAN PUSH BUTTON	INDUCTION LOOP (2)			
				STANDARD	DELAY/ EXTEND *	CALL UNIT *	
11	NB ROUTE 340	NB LT TURN					1
61	NB ROUTE 340	NB THRU					1
62	NB ROUTE 340	NB THRU/RT					1
51	SB ROUTE 340	SB LT TURN					1
21	SB ROUTE 340	SB THRU					1
22	SB ROUTE 340	SB THRU/RT					1
81	WB MARSH AVE	WB LT TURN					1
82	WB MARSH AVE	WB THRU/RT					1
41	EB MARSH AVE	EB LT TURN					1
42	EB MARSH AVE	EB THRU/RT					1
D44	EB PED - ROUTE 340		1				
D45	WB PED - ROUTE 340		1				
D23	SB PED - MARSH AVE		1				
D24	NB PED - MARSH AVE		1				
D84	WB PED - ROUTE 340		1				
D85	EB PED - ROUTE 340		1				
D63	NB PED - MARSH AVE		1				
D64	SB PED - MARSH AVE		1				
TOTAL			8				****

**** FOR INFORMATION ONLY. SEE SL DETECTION SYSTEM TABLE

[illegible]

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM		
	DETECTION SYSTEM (EACH)	REMARKS
INTERSECTION TOTAL	1	SEE JOB SPECIAL PROVISIONS

NEMA LOAD SWITCH ASSIGNMENTS															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 NBL	Ø 2 SBT	N/U	Ø 4 EBT	Ø 5 SBL	Ø 6 NBT	N/U	Ø 8 WBT	OLA NBL FYA	OLB WBL FYA	OLC SBL FYA	OLD EBL FYA	Ø 2 PED	Ø 4 PED	Ø 6 PED	Ø 8 PED

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

** PEDESTRIAN SIGNS AND MOUNTING HARDWARE INCLUDED IN PAY ITEM FOR ACCESSIBLE PEDESTRIAN PUSH BUTTON.

*** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

- (1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.
- (2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

NOTE: SEE QUANTITY SHEETS FOR PAY TOTALS

[illegible]

WIRING DIAGRAM

SEE ITS PLANS FOR ADDITIONAL ITS CONNECTION INFORMATION

NOT TO SCALE

	TRENCHED CONDUIT CONTAINING CABLE WITH SIZE
	PUSHED CONDUIT CONTAINING CABLE WITH SIZE
	EX. CONDUIT CONTAINING CABLE WITH SIZE
X-XC	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
	PULL BOX WITH NUMBER
	POST WITH NUMBER
	POST WITH MAST ARMS
	POST WITH MAST ARMS AND TOP MOUNT LED-A LUMINAIRE
	DETECTOR WITH NUMBER
	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	S/L/P.S./UPS
P&C	POWER SOURCE
	CCTV
ITS	CLASS 5 F.O. PULL BOX
	CLASS 5 F.O. PULL BOX

INTERSECTION

D-37D



R3-5L

Clarkson Rd

D3-1

Clayton Rd

D3-1

COMMERCIAL

EXIST R/W

2430' TO NEXT SIGNAL

MARSH AVE

D3-1 (R&R)

EX. VIDEO DETECTION (R&R)

R3-5L (R&R)

35 MPH

0.84%

10'

12'

12'

16'

ZONE 10

ZONE 62

ZONE 61

44+13.90 (CLARKSON RD)

5+00.00 (CLAYTON WEST)

D63

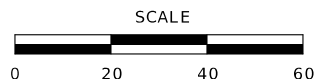
D3-1 (R&R)

D44

EX. VIDEO DETECTION (R&R)

R3-5L (R&R)

COMMERCIAL



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5910' TO NEXT SIGNAL

KEHRS MILL RD

11.5'

12'

12'

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POWER SUPPLY												
LOCATION			POWER SUPPLY ASSEMBLY	CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE		
APPROACH	STATION	OFFSET	DUAL METER PAD MOUNTED COMBINATION SIGNAL & LIGHTING POWER SUPPLY/LIGHTING CONTROLLER W/UPS	CONTROLLER		POWER SUPPLY DISCONNECT		120/240 VOLT DUAL METER COMBO PS & LTG		MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
				AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER						
								SIGNALS	LIGHTING			
SB ROUTE 340	45+01.14	85.9' LT	1	15 Amps	15 Amps	100 Amps	100 Amps	1	15 Amps	Cl.	Ft.	AMEREN UE
				Amps	Amps	Amps	Amps		Amps	Cl.	Ft.	

NOTE: SEE QUANTITY SHEETS FOR PAY TOTALS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.

ALL STATION AND OFFSETS
TAKEN OFF ROUTE 340 ALIGNMENT

[illegible]

FACE NUMBERS		10			21			30			41			50			61			70			81			OVERLAP PARENT PHASES	OVERLAP PARENT PHASES	OVERLAP PARENT PHASES	OVERLAP PARENT PHASES	23			43			63			83			FACE NUMBERS													
					22			31			42						62			71			82							24			44			64			84																
SIGNAL INDICATIONS	R	RL		R			RL			R			RL			R			RL			R							DW			DW			DW			DW			R	SIGNAL INDICATIONS													
	Y	YL		Y			YL			Y			YL			Y			YL			Y																	Y																
	FYA																																						FYA																
	G	L		S			L			S			L			S			L			S							W			W			W			W			G														
DETECTOR ASSIGNMENTS		10			21			30			41			50			61			70			81																			DETECTOR ASSIGNMENTS													
																							DETECTOR ASSIGNMENTS (PDS. ONLY)																			D23			D43			D63			D83				
																							OVERLAP PARENT PHASES																			D24			D44			D64			D84				
																																										2			4			6			8				
NEMA DETECTOR ASSIGNMENT																																																							

		NEMA DETECTOR ASSIGNMENT							
		CARD POSITION							
		1	2	3	4	5	6	7	8
C H A N N E L	1								
	2			SL DETECTION					

TOTAL NUMBER OF DETECTOR CARDS (2-CHANNEL) - (2)

NEMA LOAD SWITCH ASSIGNMENTS															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1	Ø 2	Ø 3	Ø 4	Ø 5	Ø 6	Ø 7	Ø 8	NOT USED	NOT USED	NOT USED	NOT USED	Ø 2	Ø 4	Ø 6	Ø 8
NBL	SBT	WBL	EBT	SBL	NBT	EBL	WBT					PED	PED	PED	PED

FLASHING OPERATION	
ROUTE 340 (CLARKSON RD)	FR
CLAYTON RD	FR
CONTROLLER TYPE	ATC

TRAFFIC SIGNAL CONTROL OPERATION
INTERSECTION OF ROUTE 340 (CLARKSON RD)
WITH CLAYTON RD

The diagram illustrates a two-lane roundabout with two rings (RING 1 and RING 2) and four phases (PHASE 1 to PHASE 8). The barrier is located between PHASE 6 and PHASE 7. Pedestrian crossings (PED 2, PED 4, PED 6, PED 8) are indicated by arrows showing the direction of pedestrian movement.

	PHASE 1	PHASE 2	PHASE 3	PHASE 4
RING 1	Left turn (curved arrow)	Through/right turn (straight arrow, PED 2)	Through/right turn (curved arrow)	Through/right turn (straight arrow, PED 4)
RING 2	Through/right turn (curved arrow)	Through/right turn (straight arrow, PED 6)	Through/right turn (curved arrow)	Through/right turn (straight arrow, PED 8)
	PHASE 5	PHASE 6	PHASE 7	PHASE 8

BARRIER

RING STRUCTURE

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[illegible]

CONDUIT						CABLE									REMARKS
FROM	TO	CTR TO CTR DISTANCE	TRENCHED	TRENCHED	PUSHED	FROM	TO	CTR TO CTR DISTANCE	POWER		CONTROL				
			2"	3"	3"				1c-#2	1c-#8				CAT-5 ETHERNET CABLE	
PS	CONT.	13'	21												
CONT.	PB1	5'		16											2-3" CONDUITS (2x8')
						PS	CONT.	13'		87					3-1c-#8 (3x29')
						CONT.	H42	135'					201		
						CONT.	H43	135'					168		
						CONT.	H82	167'					224		
						CONT.	H83	167'					200		
						CONT.	H84	167'				197			
						CONT.	D45	167'			196				
						CONT.	H45	265'				295			
						CONT.	D84	265'			294				
						CONT.	CCTV	135'						185	
SUBTOTAL			21	16						87	490	492	793	185	
TOTAL			21	16						100	520	520	840	190	INCLUDE 5% FOR SNAKING

SIGNAL HEADS																																					
POST NUMBER	FACE NUMBER	12" LENS CONVENTIONAL INDICATIONS*													VISORS*		BACK- PLATE*	RETROREFLECTIVE BACKPLATE*		BRACKET*	ONE-FACE				ONE-FACE				ONE-FACE								
		R	RL	Y	YL	YR	FY	L	G	S	L	Rt	12"		PED.	LENSES	LENSES		TYPE		1-				3-				5-								
																	I	5			T	S	C	B	T	S	C	B	T	S	C	B					
1	42	1		1					1				1				3		5	1																	
1	43	1		1		1			1			1					1			1																	
3	82	1		1					1				1				1		1	1												1					
3	83	1		1		1			1			1					1		1	1												1					
3	84												1		1		1			1					1												
9	45												1		1		1			1				1													
														COUNTDOWN SUBTOTAL							2																
														COUNTDOWN TOTAL							2																
LEGEND														CONVENTIONAL SUBTOTAL																							
T - TOP MOUNT														CONVENTIONAL TOTAL																							
SIDE MOUNT																																					

LEGEND

T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

DETECTOR SCHEDULE					TYPE	
APPROACH	DETECTOR NUMBER	DETECTOR ZONE	AUDIBLE PEDESTRIAN PUSH BUTTON	SL DETECTION		
NB RTE 340	10	NB LT TURN		1		
NB RTE 340	61	NB THRU		1		
NB RTE 340	62	NB THRU		1		
SB RTE 340	50	SB LT TURN		1		
SB RTE 340	51	SB LT TURN		1		
SB RTE 340	21	SB THRU		1		
SB RTE 340	22	SB THRU		1		
EB KEHRS MILL RD	70	EB LT		1		
EB KEHRS MILL RD	41	EB THRU		1		
EB KEHRS MILL RD	42	EB RT		1		
WB KEHRS MILL RD	30	WB LT		1		
WB KEHRS MILL RD	81	WB THRU		1		
WB KEHRS MILL RD	82	WB RT		1		
	D64	NB PED - WEST SIDE CROSSING 340	EXIST.			
	D23	SB PED - WEST SIDE CROSSING 340	EXIST.			
	D43	WB PED - SOUTH SIDE CROSSING 340	EXIST.			
	D83	EB PED - SOUTH SIDE CROSSING 340	EXIST.			
	D63	NB PED - EAST SIDE CROSSING 340	EXIST.			
	D24	SB PED - EAST SIDE CROSSING 340	EXIST.			
	D83	WB PED - NORTH SIDE CROSSING 340	1			
	D45	EB PED - NORTH SIDE CROSSING 340	1			
TOTAL			2		SEE BELOW	

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM

	DETECTION SYSTEM (EACH)	REMARKS
INTERSECTION TOTAL	1	SEE JOB SPECIAL PROVISIONS

SIGNAL SIGNS						
QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34	REMARKS
		INCHES	SQ.FT.	SQ.FT.	EA.	
2	R10-27a	30 X 36	7.5	15	2	
2	D3-1***	78 X 18	9.75	19.5	2	CLARKSON RD
2	D3-1***	90 X 18	11.25	22.5	2	KEHRS MILL RD
4	R3-5L	30 X 36	7.5	30.0	4	
1	R3-5R	30 X 36	7.5	7.5	1	
1	R10-3eL	9 X 15	0.9	0.9***	1***	
1	R10-3eR	9 X 15	0.9	0.9***	1***	
SUBTOTAL				96.3	13	
TOTAL				94.5	11	

NOTE: SEE QUANTITY SHEETS FOR PAY TOTALS

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* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

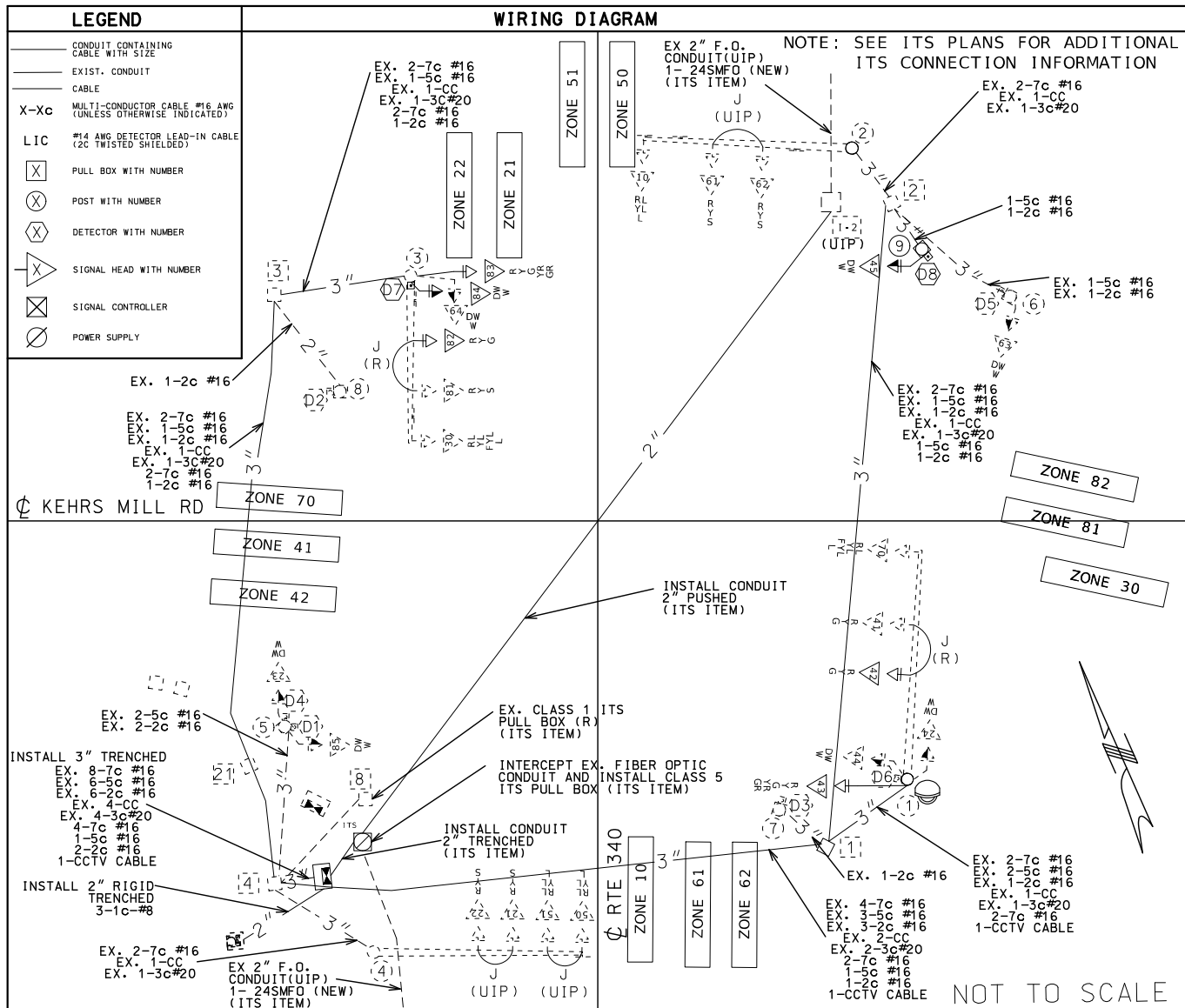
** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.

*** PEDESTRIAN SIGNS AND MOUNTING HARDWARE INCLUDED IN PAY ITEM FOR ACCESSIBLE PEDESTRIAN PUSHBUTTON.

**** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWARE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.



LOCATION			BASE		POST	
POST NUMBER	PULL BOX NUMBER		TYPE		TOP MOUNT POST	STANCHION
		APPROACH STATION OFFSET	C	CONCRETE* (CU. YDS.)	8 FT.	15 FT.
9		EB ROUTE 340 106+35.16 52.2' LT	CONTROLLER (AS REQ.D)	1.93		
SUBTOTAL				2.37	1	
TOTAL				2.4	1	

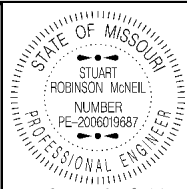
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ROUTE 340 (CLARKSON RD) AT KEHRS MILL RD

INTERSECTION

D-37 COMBINED



STUART ROBINSON MENEIL
07/31/2026 7:49:27 AM
STUART ROBINSON MENEIL - CIVIL
MO-PE-2006019687

DATE PREPARED

7/30/2026

ROUTE 340 MO

DISTRICT SL SHEET NO. 58

COUNTY ST. LOUIS

JOB NO. JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

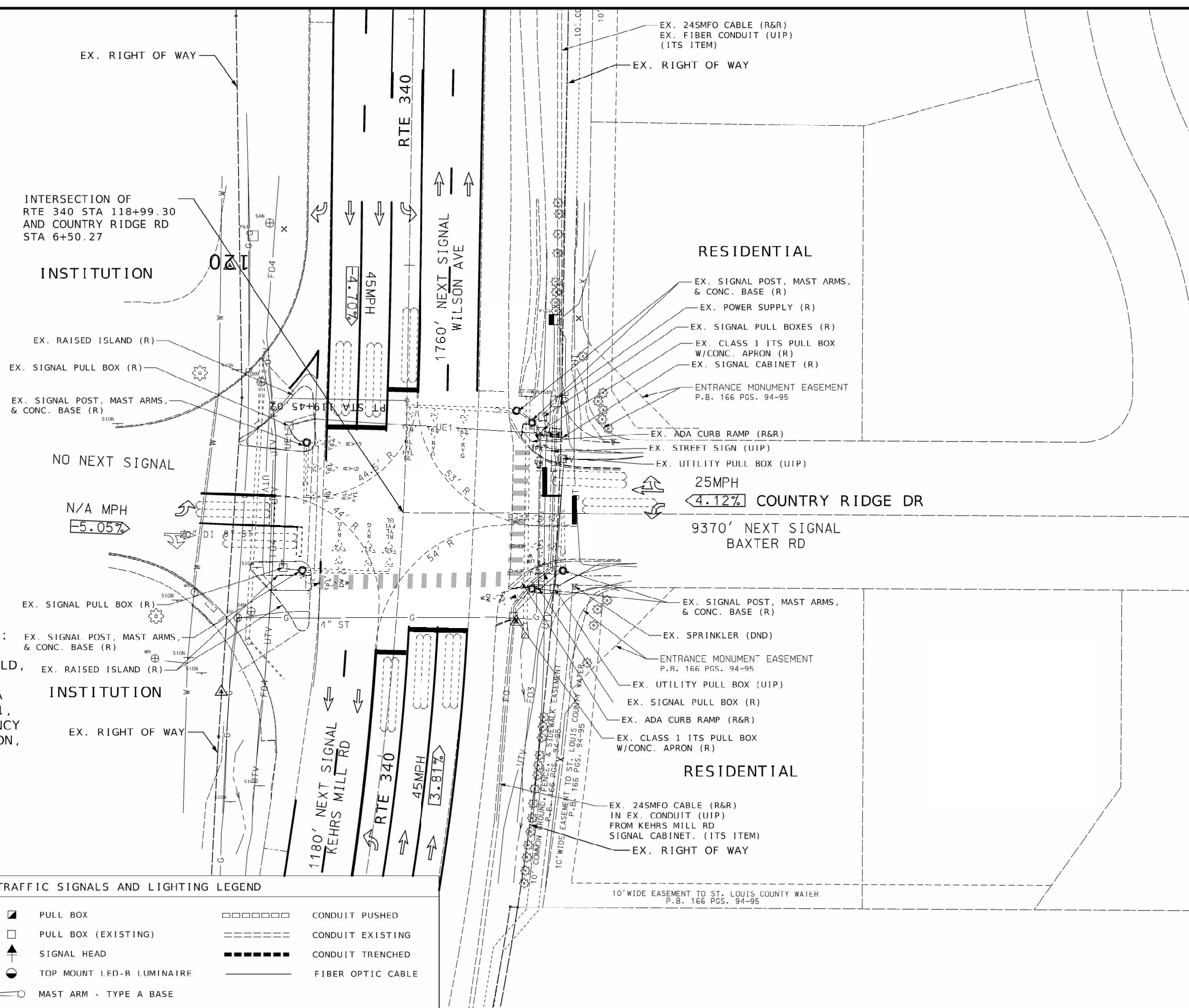
1-888-ASK-MODOT (1-888-275-6636)

KEHRS MILL RD AT

ROUTE 340 (CLARKSON RD)

COMBINED D SHEET

SHEET 1 OF 2

[illegible]

COUNTRY RIDGE DR

STATE OF MISSOURI

STUART ROBINSON MCNEIL

NUMBER

PE-2006019687

PROFESSIONAL ENGINEER

Stuart McNeil

07/30/2026 10:31:56 AM

STUART ROBINSON MCNEIL - CIVIL

MO-PE-2006019687

DATE PREPARED

7/30/2026

ROUTE

340

DISTRICT

SL

STATE

MO

SHEET NO.

62

COUNTY

ST. LOUIS

JOB NO.

JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

SIGNAL SHEET

ROUTE 340 AT COUNTRY RIDGE RD

D-37A

D-37A

DATE PREPARED	
7/30/2026	
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	63
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0151	
CONTRACT ID.	

[illegible]

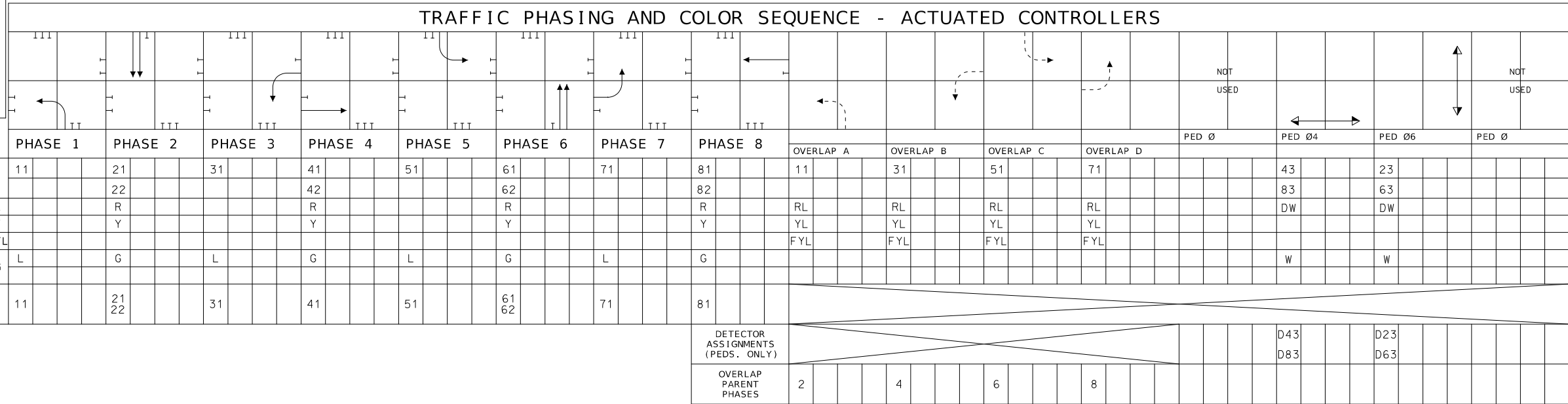
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

3"	CONDUIT CONTAINING CABLE WITH SIZE
CABLE	
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
L I C	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
	PULL BOX WITH NUMBER
	POST WITH NUMBER
	POST WITH MAST ARM
	POST WITH MAST ARM AND LUMINAIRE
	DETECTOR WITH NUMBER
	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	UPS
P&C	
	POWER SOURCE
	CCTV
ITS	
	CLASS 5 F.O. PULL BOX
ITS	
	CLASS 2 F.O. PULL BOX

INTERSECTION

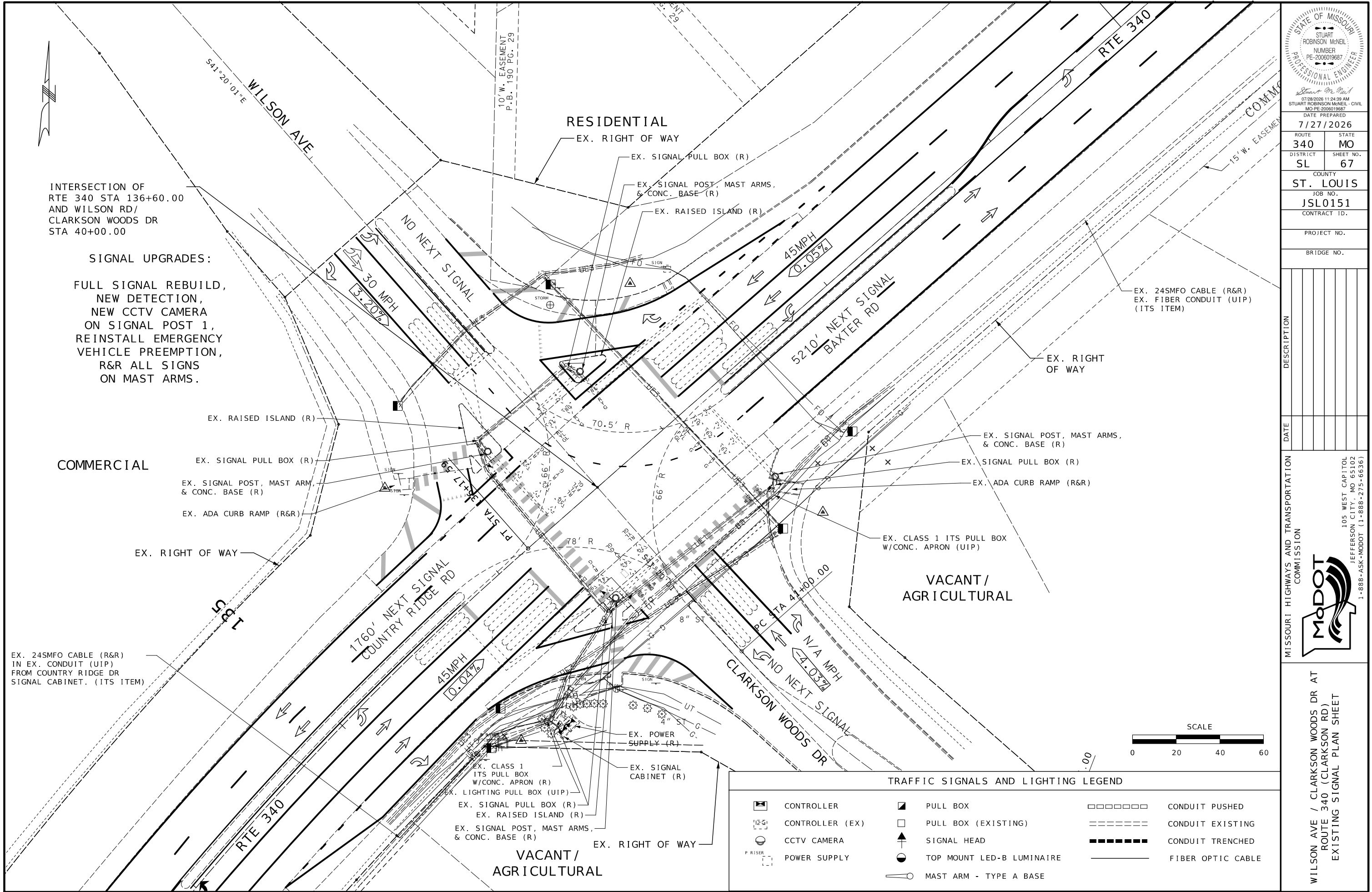
D-37D



LEGEND

- ▶— ACTUATED VEHICULAR MOVEMENT
- ▶— PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
- ▷— NON-ACTUATED VEHICULAR MOVEMENT
- ▷— PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
- ▶— ACTUATED PEDESTRIAN MOVEMENT
- ▷— NON-ACTUATED PEDESTRIAN MOVEMENT
- |— VEHICLE STOPPED
- FDW — FLASHING DON'T WALK
- W — WALK
- DW — DON'T WALK
- R/W — RIGHT OF WAY INTERVAL
- YRT — YELLOW RIGHT ARROW
- RT — GREEN RIGHT ARROW
- LY -YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

TRAFFIC SIGNAL CONTROL OPERATION
INTERSECTION OF RTE 340
WITH COUNTRY RIDGE DR



STATE OF MISSOURI

STUART ROBINSON McNEIL

NUMBER

PE-2006019887

PROFESSIONAL ENGINEER

Stuart McNeil

07/28/2026 11:24:39 AM

STUART ROBINSON McNEIL - CIVIL

MO PE 2006019887

DATE PREPARED

7/27/2026

ROUTE

340

STATE

MO

DISTRICT

SL

SHEET NO.

67

COUNTY

ST. LOUIS

JOB NO.

JSL0151

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)

WILSON AVE / CLARKSON WOODS DR AT

ROUTE 340 (CLARKSON RD)

EXISTING SIGNAL PLAN SHEET

[illegible][illegible]

REMARKS

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** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.

*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.

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ROUTE 340 (CLARKSON RD) AT WILSON AVE/CLARKSON WOODS DR INTERSECTION

[illegible]

DATE PREPARED	
7/27/2026	
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	70
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0151	
CONTRACT ID.	

[illegible]

**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

MoDOT

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

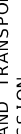
SIGNAL SHEET
ROUTE 340 AT WILSON AVE/
CLARKSON WOODS DR
D-37B

[illegible]

D-37C

SIGNAL SHEET
ROUTE 340 AT WILSON AVE /
CLARKSON WOODS DR
D- 37C

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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

WIRING DIAGRAM

The diagram illustrates the layout of conduits and cables for various zones and roads. Key features include:

- Roads:** WILSON RD, RTE 340, CLARKSON DR.
- Zones:** ZONE 41, ZONE 42, ZONE 22, ZONE 21, ZONE 51, ZONE 33, ZONE 32, ZONE 31, ZONE 61, ZONE 62, ZONE 11.
- Conduit Specifications:**
 - 3" CONDUIT 3-7c #16
 - 3" CONDUIT 3-7c #16, 1-5c #16, 1-2c #16, 1-CAT-5E
 - 3" CONDUIT 6-7c #16, 1-5c #16, 1-2c #16, 1-CAT-5E
 - 3" CONDUIT 3-7c #16, 1-5c #16, 1-2c #16
 - 3" CONDUIT 3-7c #16, 2-5c #16, 2-2c #16
 - 3" CONDUIT 12-7c #16, 4-5c #16, 4-2c #16, 1-CAT-5E
 - 2X3" CONDUIT 12-7c #16, 4-5c #16, 4-2c #16, 1-CAT-5E
 - 2" F.O. CONDUIT 1-24SMFO (ITS ITEMS)
 - 2" RIGID CONDUIT 3-1c#2
 - 2" RIGID CONDUIT 3-1c#8
- Other Components:**
 - EX. 2" F.O. CONDUIT 1-24SMFO (ITS ITEM)
 - EX. LIGHTING PULL BOX (UIP)
 - PTCL
 - ITS
 - UPS
- Notes:**
 - SEE ITS PLANS FOR ADDITIONAL ITS CONNECTION INFORMATION
 - NOT TO SCALE

NOT TO SCALE

LEGEND

	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
	PULL BOX WITH NUMBER
	POST WITH NUMBER
	POST WITH MAST ARM
	POST WITH MAST ARM AND LUMINAIRE
	DETECTOR WITH NUMBER
	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	UPS
P&C	
	POWER SOURCE
	CCTV
ITS	
	CLASS 5 F.O. PULL BOX

RTE 340 @ WILSON AVE/CLARKSON WOODS DR

INTERSECTION

D-37D

Clarkson Rd

D3-1



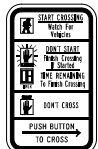
R3-5L



R3-6L



R10-3eL



R10-3eR

(S1)

(S2)

Lea Oak Dr

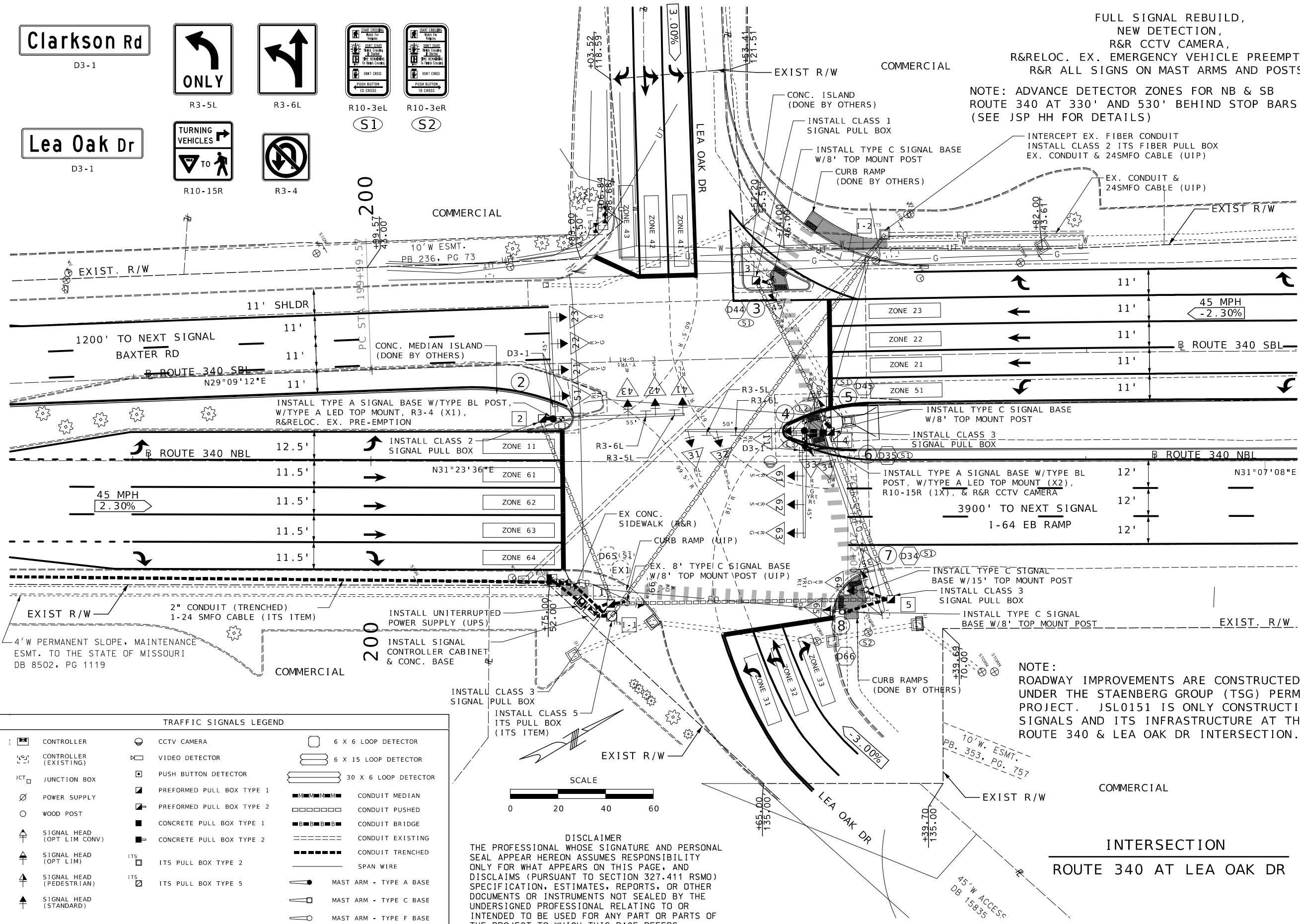
D3-1



R10-15R



R3-4



SIGNAL UPGRADES:

FULL SIGNAL REBUILD,
NEW DETECTION,
R&R CCTV CAMERA,

R&RELOC. EX. EMERGENCY VEHICLE PREEMPTION,
R&R ALL SIGNS ON MAST ARMS AND POSTS.

NOTE: ADVANCE DETECTOR ZONES FOR NB & SB
ROUTE 340 AT 330' AND 530' BEHIND STOP BARS.
(SEE JSP HH FOR DETAILS)

INTERCEPT EX. FIBER CONDUIT
INSTALL CLASS 2 ITS FIBER PULL BOX
EX. CONDUIT & 24SMFO CABLE (UIP)

INSTALL CLASS 1
SIGNAL PULL BOX

INSTALL TYPE C SIGNAL BASE
W/8' TOP MOUNT POST

CURB RAMP
(DONE BY OTHERS)

EX. CONDUIT &
24SMFO CABLE (UIP)

INSTALL TYPE A SIGNAL BASE W/TYPE BL POST,
W/TYPE A LED TOP MOUNT, R3-4 (X1),
R&RELOC. EX. PRE-EMPTION

INSTALL CLASS 2
SIGNAL PULL BOX

INSTALL TYPE C SIGNAL BASE
W/8' TOP MOUNT POST

INSTALL CLASS 3
SIGNAL PULL BOX

INSTALL TYPE A SIGNAL BASE W/TYPE BL
POST, W/TYPE A LED TOP MOUNT (X2),
R10-15R (1X), & R&R CCTV CAMERA

3900' TO NEXT SIGNAL
1-64 EB RAMP

INSTALL TYPE C SIGNAL
BASE W/15' TOP MOUNT POST

INSTALL CLASS 3
SIGNAL PULL BOX

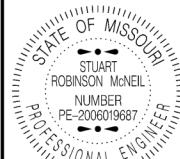
INSTALL TYPE C SIGNAL
BASE W/8' TOP MOUNT POST

NOTE:
ROADWAY IMPROVEMENTS ARE CONSTRUCTED
UNDER THE STAENBERG GROUP (TSG) PERMIT
PROJECT. JSL0151 IS ONLY CONSTRUCTING
SIGNALS AND ITS INFRASTRUCTURE AT THE
ROUTE 340 & LEA OAK DR INTERSECTION.

TRAFFIC SIGNALS LEGEND

	CONTROLLER		CCTV CAMERA		6 X 6 LOOP DETECTOR
	CONTROLLER (EXISTING)		VIDEO DETECTOR		6 X 15 LOOP DETECTOR
	JUNCTION BOX		PUSH BUTTON DETECTOR		30 X 6 LOOP DETECTOR
	POWER SUPPLY		PREFORMED PULL BOX TYPE 1		CONDUIT MEDIAN
	WOOD POST		PREFORMED PULL BOX TYPE 2		CONDUIT PUSHED
	SIGNAL HEAD (OPT LIM CONV)		CONCRETE PULL BOX TYPE 1		CONDUIT BRIDGE
	SIGNAL HEAD (OPT LIM)		CONCRETE PULL BOX TYPE 2		CONDUIT EXISTING
	SIGNAL HEAD (PEDESTRIAN)		ITS PULL BOX TYPE 2		CONDUIT TRENCHING
	SIGNAL HEAD (STANDARD)		ITS PULL BOX TYPE 5		SPAN WIRE
					MAST ARM - TYPE A BASE
					MAST ARM - TYPE C BASE
					MAST ARM - TYPE F BASE

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THE PROJECT TO WHICH THIS PAGE REFERS.



STUART
ROBINSON-MOHR
NUMBER
PE-2006019687
PROFESSIONAL ENGINEER

DATE PREPARED
9/4/2026

ROUTE
340

STATE
MO

DISTRICT
SL

SHEET NO.
75

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

MoDOT

LEA OAK DR AT

ROUTE 340 (CLARKSON RD)

PROPOSED SIGNAL PLAN SHEET

INTERSECTION
ROUTE 340 AT LEA OAK DR

[illegible]

REMARKS
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LEGEND

T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

DATE PREPARED	
7/30/2026	
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	77
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0151	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

[illegible]

**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

MoDOT

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

SIGNAL SHEET
ROUTE 340 AT LEA OAK DR
D-37B

■ ■ ■ ■ ■ ■ ■ ■ ■ ■	TRENCHED CONDUIT CONTAINING CABLE
□ □ □ □ □ □	PUSHED CONDUIT CONTAINING CABLE
—	CABLE
X-XC	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
L IC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
	PULL BOX WITH NUMBER
	POST WITH NUMBER
	POST WITH MAST ARM
	POST WITH TOP MOUNT LED-A
	DETECTOR WITH NUMBER
	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	UPS
P&C 	POWER SOURCE
	CCTV
ITS 	CLASS 5 F.O. PULL BOX
ITS 	CLASS 2 F.O. PULL BOX

INTERSECTION

D-37D



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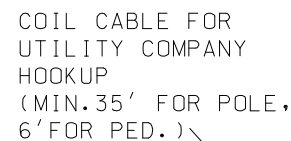
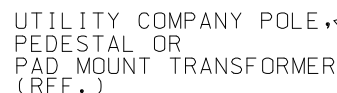
LEGEND

		ACTUATED VEHICULAR MOVEMENT
		PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
		NON-ACTUATED VEHICULAR MOVEMENT
		PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
		ACTUATED PEDESTRIAN MOVEMENT
		NON-ACTUATED PEDESTRIAN MOVEMENT
		VEHICLE STOPPED

FDW — FLASHING DON'T WALK
W — WALK
DW — DON'T WALK
R/W — RIGHT OF WAY INTERVAL
YRt — YELLOW RIGHT ARROW
RT, — GREEN RIGHT ARROW
-YL — YELLOW LEFT ARROW
L — GREEN LEFT ARROW
S — GREEN STRAIGHT AHEAD ARROW
G — CIRCULAR GREEN
Y — CIRCULAR YELLOW
R — CIRCULAR RED
RL — RED LEFT ARROW
Ø — TRAFFIC PHASE
AO — ALL OTHERS
FR — FLASHING RED
FY — FLASHING CIRCULAR YELLOW
FYL — FLASHING YELLOW LEFT ARROW

TRAFFIC SIGNAL CONTROL OPERATION
INTERSECTION OF ROUTE 340 (CLARKSON RD)
WITH LEA OAK DR

1. ALTERNATE CABINET DIMENSIONS WILL BE ALLOWED AS APPROVED BY THE ENGINEER. INTERIOR CABINET VOLUME SHALL BE EQUAL TO OR GREATER THAN THAT SHOWN ON PLANS AND PROPER CLEARANCES SHALL BE PROVIDED FOR ALL EQUIPMENT. CONCRETE BASE DIMENSIONS SHALL BE MODIFIED TO FIT THE CABINET SUPPLIER.
2. PLACEMENT OF ALL ITEMS SHALL BE APPROVED BY THE ENGINEER.
3. SCHEMATIC DIAGRAM SHALL BE MOUNTED ON INSIDE OF CABINET DOOR.
4. THE UTILITY SHALL BE NOTIFIED IN WRITING 30 DAYS PRIOR TO DATE SERVICE WILL BE REQUIRED.
5. ALL CABINET OPENINGS SHALL BE COVERED AND SEALED WITH LIFETIME SILICONE CAULK.
6. ALL MATERIALS REQUIRED EXCLUDING REFERENCE ITEMS AS SHOWN ON THE DRAWING SHALL BE INCLUDED IN PRICE TO INCLUDE MOUNTED POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. CABLE AND CONDUIT FROM POWER SUPPLY ASSEMBLY TO UTILITY COMPANY FACILITIES SHALL BE INCLUDED IN THE BID PRICE.
7. REFER TO PLAN SHEET DETAIL TO DETERMINE IF A UTILITY POLE OR PEDESTAL WILL BE REQUIRED.
8. CABINET SHALL BE LOCATED WITH A MINIMUM 36" CLEARANCE, FRONT, BACK, AND SIDES.
9. SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.



NOTE: CONDUITS RUNNING INTO CONC. BASE
SHALL BE STUBBED 1" ABOVE TOP OF BASE.

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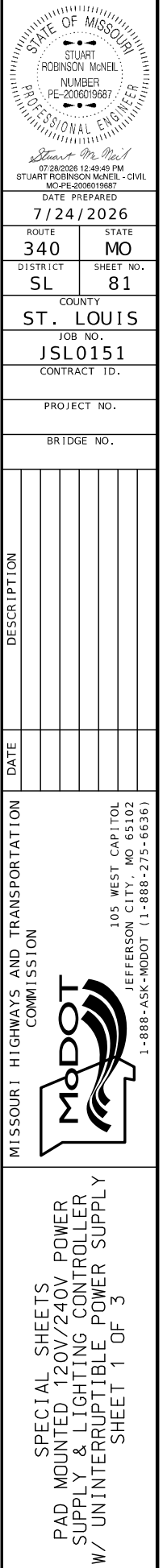
LIST OF MATERIALS	
ITEM	DESCRIPTION
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET
5	GROUND ROD, 3/4" DIA. x 8' MIN. (MIN. 8' IN SOIL)
6	PHOTOELECTRIC SWITCH AND SOCKET, 105/285 V., 1000 WATT
7	2" MIN. SCH 40 PVC CONDUIT (REF.)
8	#2 AWG MIN., 600 V., GROUND CABLE
9	EXOTHERMIC WELD WIRE TO ROD
10	PLIABLE SEALANT
11	LIFETIME SILICONE CAULK
12	ANCHOR BOLTS, 5/8-11 x 18" LONG BOLTS, HOT DIP GALVANIZED, 4 REQUIRED
13	WEATHERPROOF ADHESIVE LABEL, VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
14	INSULATED TERMINAL BLOCK
15	2-POLE, 20 AMP, 120V COIL LIGHTING CONTACTOR
16	2-POLE, 650 VOLT LIGHTNING ARRESTER
17	1-POLE, 15 AMP, TYPE B BREAKER TO PHOTOELECTRIC SWITCH
18	MANUAL-AUTO SWITCH
19	INSULATED GROUNDABLE NEUTRAL, 100 AMP
20	2-POLE, TYPE A MAIN BREAKER
21	2-POLE, 15 AMP (MIN.), TYPE A BREAKERS TO LIGHTING CIRCUITS *
22	1-POLE, 15 AMP (MIN.), TYPE A BREAKER TO SIGNALS *
23	#2 AWG MIN., 600 V., POWER CABLE *
24	6" PEDESTAL RISER
25	12V GEL CELL BATTERIES IN SERIES (4 MINIMUM)
26	30A GENERATOR MALE BASE
27	INVERTER (1100VA MINIMUM)
28	1-POLE, 40 AMP, TYPE B UPS BREAKER
29	1-POLE, 15 AMP, TYPE B FAN BREAKER
30	1 1/2" CONDUIT OUT TO SIGNAL CABINET (CAT 6E AND CONTROL WIRING)
*	SEE PLANS FOR SIZE

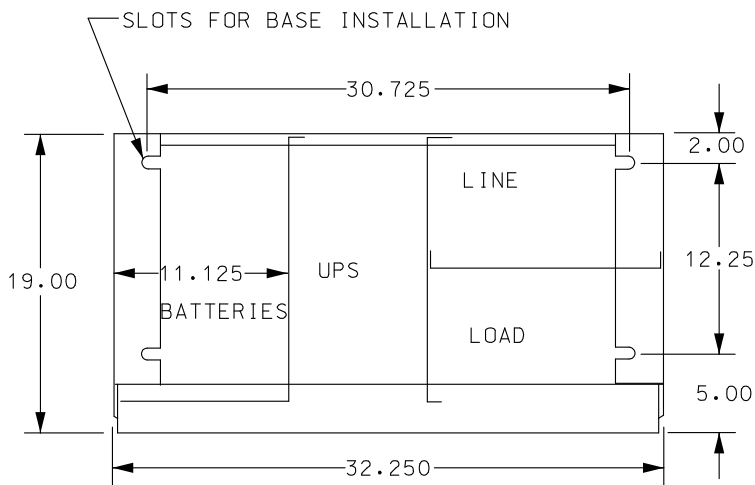
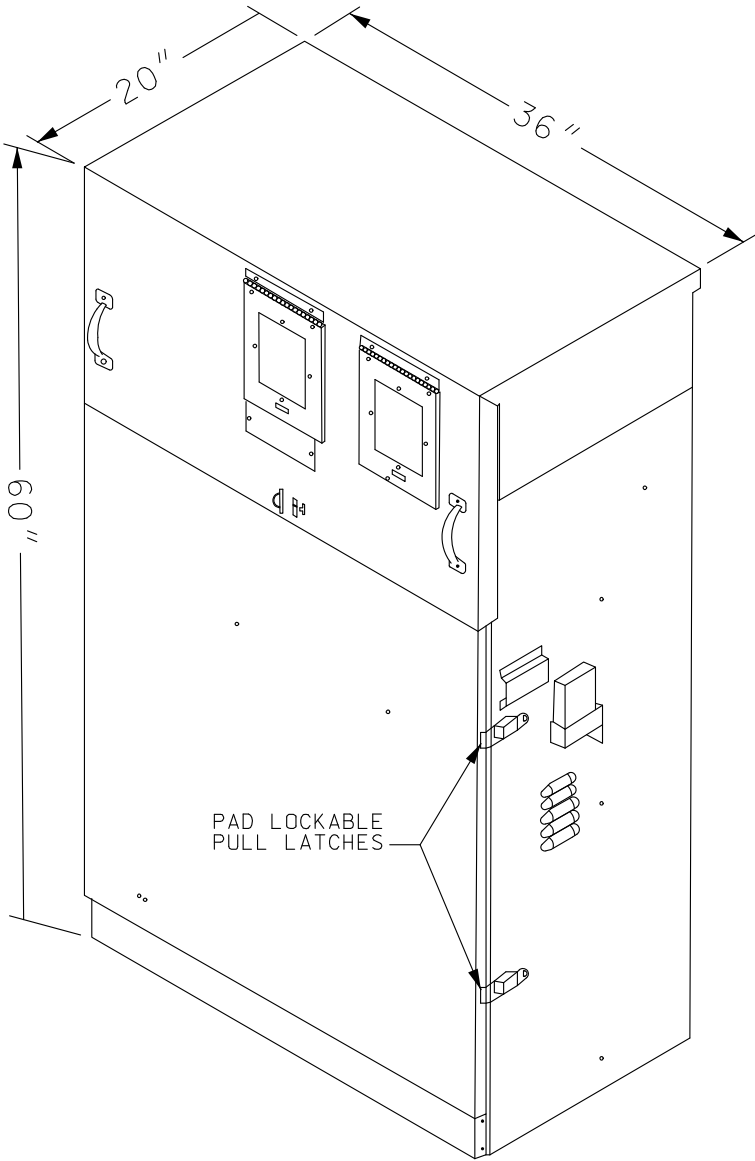
- (A) CABINET WITH POWER SUPPLY SHALL BE ALUMINUM OR STAINLESS STEEL. ALL HARDWARE, HINGES, CATCHES, ETC. SHALL BE STAINLESS STEEL. METER SOCKET AND OTHER EQUIPMENT AND MATERIALS SHALL BE U.L. APPROVED AND CONFORM TO THE REQUIREMENTS OF THE UTILITY COMPANY OR MUNICIPALITY PROVIDING POWER.
- (B) IF SUBSURFACE CONDITIONS EXIST WHICH PROHIBIT THE PLACEMENT OF THE GROUND ROD IN A VERTICAL POSITION, THE ROD MAY BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES FROM VERTICAL OR BURIED IN A TRENCH AT LEAST 30 INCHES DEEP. CONNECTION TO GROUND ROD SHALL BE CAD WELDED.
- (C) LIGHTING SYSTEM VOLTAGE AS SPECIFIED ON PLANS (120 OR 240 VOLTS). IF LIGHTS ARE TO BE MOUNTED ON SIGNAL POSTS, VOLTAGE MUST BE 120 VOLTS. 240 VOLT LIGHTS ARE NOT TO BE MOUNTED ON OR WIRED THROUGH SIGNAL POSTS, CONDUIT, OR PULL BOXES.
- (D) LOCATE PHOTOELECTRIC SWITCH AT CENTER OF WINDOW.
- (E) IF FOR REASONS OF VOLTAGE DROP A WIRE SIZE IS SPECIFIED LARGER THAN #2 AWG, A LARGER TERMINAL BLOCK SHALL BE INSTALLED FOR THAT CIRCUIT.

SIZE (AMPS)	240V TOTAL CIRCUIT LOAD (WATTS)	120V TOTAL CIRCUIT LOAD (WATTS)
15	0-2800	0-1390
20	2850-3700	1400-1850
25	3750-4600	1860-2320
30	4650-5500	2330-2780
35	5550-6500	-
40	6550-7400	-

CIRCUIT LOAD INCLUDES LOAD DUE TO LINE LOSS, LAMP, AND BALLAST LOAD.

- (C) ALL CIRCUIT BREAKERS SHALL CONFORM TO SECTION 901.4 OF THE STANDARD SPECIFICATIONS.
- (H) TAPE BATTERY TEMPERATURE SENSOR TO THE SIDE OF EITHER BATTERY #2 OR BATTERY #3. SENSOR SHOULD BE TO THE MIDDLE OF THE BATTERY BANK.
- (I) UTILITY COMPANY SHALL DECIDE IF LIGHTNING ARRESTORS ARE TO BE CONNECTED ON THE LINE SIDE OR THE LOAD SIDE OF THE METER. THE UTILITY COMPANY SHALL ALSO DETERMINE WHERE THE LIGHTNING ARRESTOR SHALL BE MOUNTED.
- (J) INCLUDE ADDITIONAL CONDUITS AS NECESSARY FOR AUXILIARY CIRCUITS.
- (K) SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.

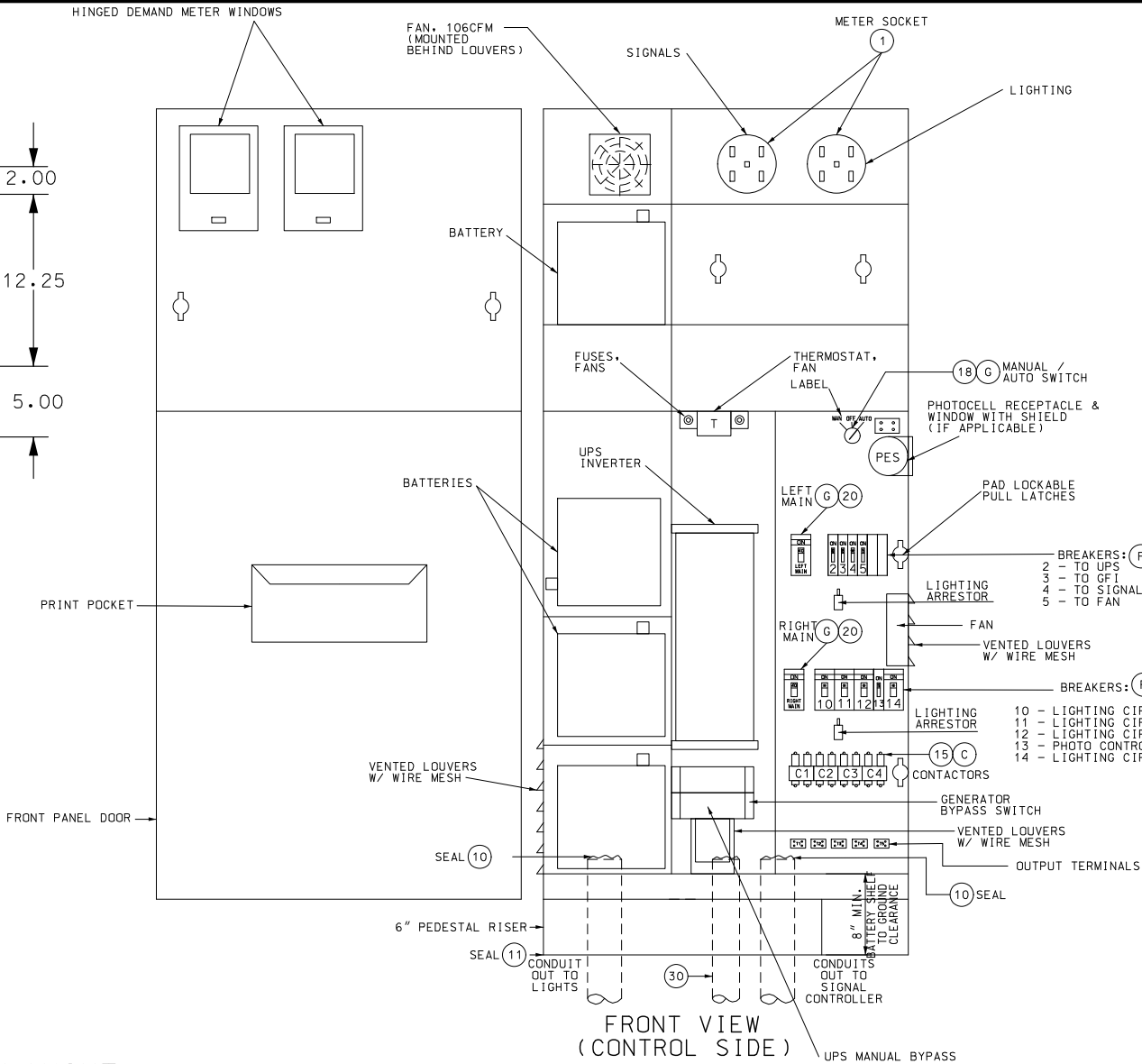




PEDESTAL PLAN VIEW
MOUNTING SLOT DETAIL

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NOTE: WHERE SPACE PROVIDES, UPS SHALL HAVE ADDITIONAL LABELS DENOTING 'LIGHTING' CONTROLS



EQUIPMENT LAYOUT
NOT TO SCALE

NOTE: CONDUITS RUNNING INTO CONC. BASE SHALL BE STUBBED 1" ABOVE TOP OF BASE.

LIST OF MATERIALS	
ITEM	DESCRIPTION
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET
5	GROUND ROD, 3/4" DIA. x 8' MIN. (MIN. 8' IN SOIL)
6	PHOTOELECTRIC SWITCH AND SOCKET, 105/285 V., 1000 WATT
7	2" MIN. SCH 40 PVC CONDUIT (REF.)
8	#2 AWG MIN., 600 V., GROUND CABLE
9	EXOTHERMIC WELD WIRE TO ROD
10	PLIABLE SEALANT
11	LIFETIME SILICONE CAULK
12	ANCHOR BOLTS, 5/8-11 x 18" LONG BOLTS, HOT DIP GALVANIZED, 4 REQUIRED
13	WEATHERPROOF ADHESIVE LABEL, VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
14	INSULATED TERMINAL BLOCK
15	2-POLE, 20 AMP, 120V COIL LIGHTING CONTACTOR
16	2-POLE, 650 VOLT LIGHTNING ARRESTER
17	1-POLE, 15 AMP, TYPE B BREAKER TO PHOTOELECTRIC SWITCH
18	MANUAL-AUTO SWITCH
19	INSULATED GROUNDABLE NEUTRAL, 100 AMP
20	2-POLE, TYPE A MAIN BREAKER
21	2-POLE, 15 AMP (MIN), TYPE A BREAKERS TO LIGHTING CIRCUITS *
22	1-POLE, 15 AMP (MIN.), TYPE A BREAKER TO SIGNALS *
23	#2 AWG MIN., 600 V., POWER CABLE *
24	6" PEDESTAL RISER
25	12V GEL CELL BATTERIES IN SERIES (4 MINIMUM)

26	30A GENERATOR MALE BASE
27	INVERTER (1100VA MINIMUM)
28	1-POLE, 40 AMP, TYPE B UPS BREAKER
29	1-POLE, 15 AMP, TYPE B FAN BREAKER
30	1 1/2" CONDUIT OUT TO SIGNAL CABINET (CAT 6E AND CONTROL WIRING)
*	SEE PLANS FOR SIZE

- NOTES
- (A) CABINET WITH POWER SUPPLY SHALL BE ALUMINUM OR STAINLESS STEEL. ALL HARDWARE, HINGES, CATCHES, ETC. SHALL BE STAINLESS STEEL. METER SOCKET AND OTHER EQUIPMENT AND MATERIALS SHALL BE U.L. APPROVED AND CONFORM TO THE REQUIREMENTS OF THE UTILITY COMPANY OR MUNICIPALITY PROVIDING POWER.
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- (D) LOCATE PHOTOELECTRIC SWITCH AT CENTER OF WINDOW.
- (E) IF FOR REASONS OF VOLTAGE DROP A WIRE SIZE IS SPECIFIED LARGER THAN #2 AWG, A LARGER TERMINAL BLOCK SHALL BE INSTALLED FOR THAT CIRCUIT.

SIZE (AMPS)	240V TOTAL	120V TOTAL
	CIRCUIT LOAD (WATTS)	CIRCUIT LOAD (WATTS)
15	0-2800	0-1390
20	2850-3700	1400-1850
25	3750-4600	1860-2320
30	4650-5500	2330-2780
35	5550-6500	-
40	6550-7400	-

CIRCUIT LOAD INCLUDES LOAD DUE TO LINE LOSS, LAMP, AND BALLAST LOAD.

- (F) BREAKER SIZING:
- (G) ALL CIRCUIT BREAKERS SHALL CONFORM TO SECTION 901.4 OF THE STANDARD SPECIFICATIONS.
- (H) TAPE BATTERY TEMPERATURE SENSOR TO THE SIDE OF EITHER BATTERY #2 OR BATTERY #3. SENSOR SHOULD BE TO THE MIDDLE OF THE BATTERY BANK.
- (I) UTILITY COMPANY SHALL DECIDE IF LIGHTNING ARRESTORS ARE TO BE CONNECTED ON THE LINE SIDE OR THE LOAD SIDE OF THE METER. THE UTILITY COMPANY SHALL ALSO DETERMINE WHERE THE LIGHTNING ARRESTOR SHALL BE MOUNTED.
- (J) INCLUDE ADDITIONAL CONDUITS AS NECESSARY FOR AUXILIARY CIRCUITS.
- (K) SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.

STATE OF MISSOURI
STUART
ROBINSON MONEIL
NUMBER
PE-2006019687
PROFESSIONAL ENGINEER
Stuart M. Moneil
07/28/2026 12:45:58 PM
STUART ROBINSON MONEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
7/24/2026

ROUTE
340

STATE
MO

DISTRICT
SL

SHEET NO.
82

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

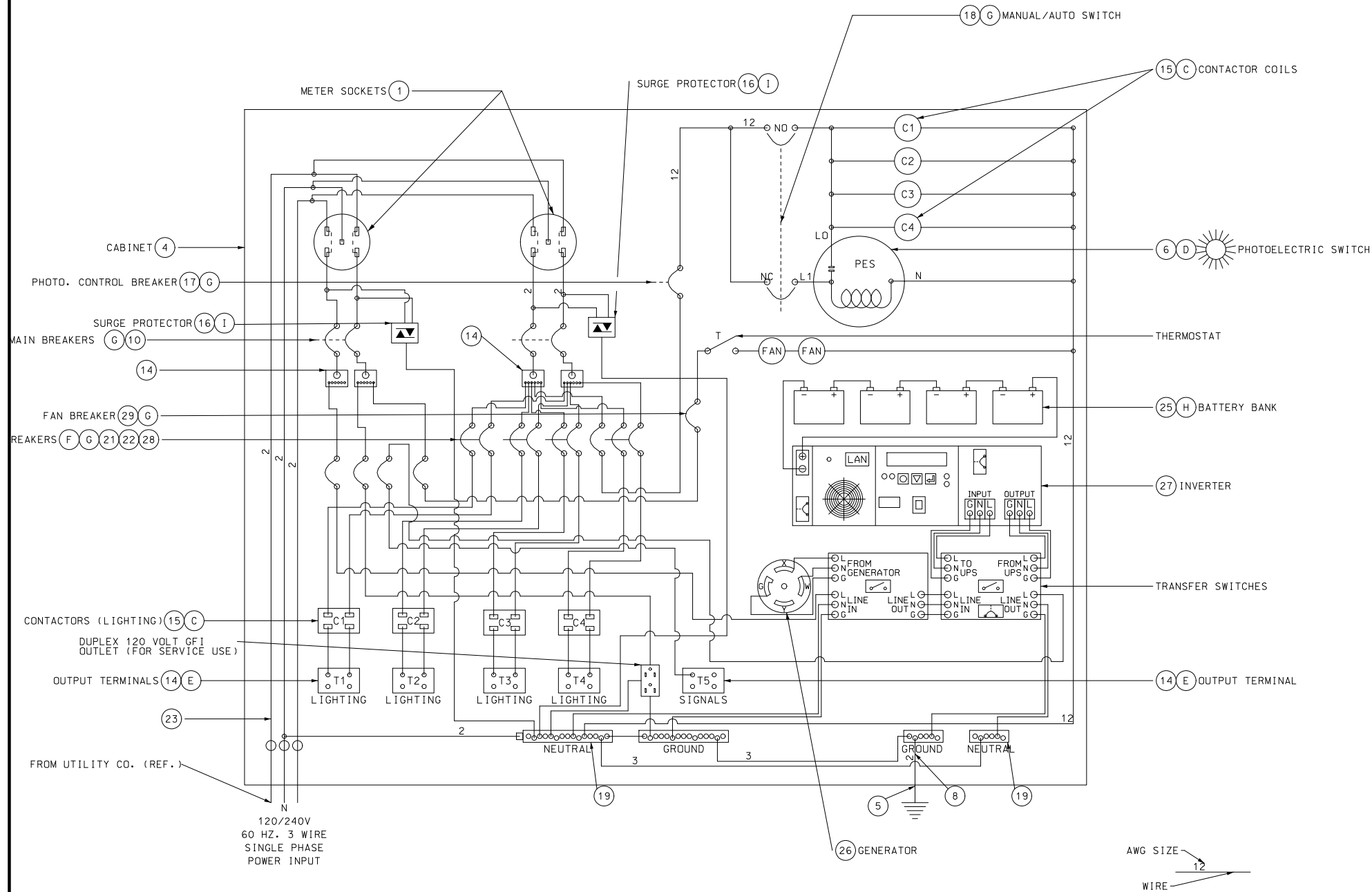
SPECIAL SHEETS

PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER W/ UNINTERRUPTIBLE POWER SUPPLY

SHEET 2 OF 3

DISCLAIMER

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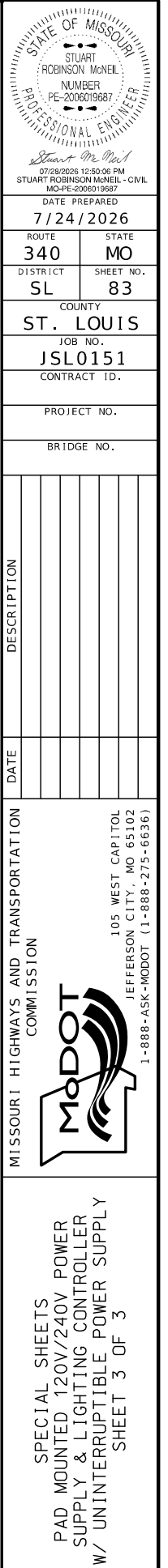


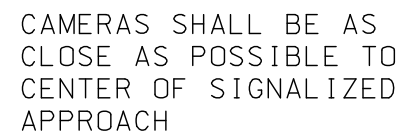
WIRING DIAGRAM

LIST OF MATERIALS	
ITEM	DESCRIPTION
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET
5	GROUND ROD, 3/4" DIA. x 8' MIN. (MIN. 8' IN SOIL)
6	PHOTOELECTRIC SWITCH AND SOCKET, 105/285 V., 1000 WATT
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11	LIFETIME SILICONE CAULK
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13	WEATHERPROOF ADHESIVE LABEL, VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
14	INSULATED TERMINAL BLOCK
15	2-POLE, 20 AMP, 120V COIL LIGHTING CONTACTOR
16	2-POLE, 650 VOLT LIGHTNING ARRESTER
17	1-POLE, 15 AMP, TYPE B BREAKER TO PHOTOELECTRIC SWITCH
18	MANUAL-AUTO SWITCH
19	INSULATED GROUNDABLE NEUTRAL, 100 AMP
20	2-POLE, TYPE A MAIN BREAKER
21	2-POLE, 15 AMP (MIN), TYPE A BREAKERS TO LIGHTING CIRCUITS *
22	1-POLE, 15 AMP (MIN.), TYPE A BREAKER TO SIGNALS *
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25	12V GEL CELL BATTERIES IN SERIES (4 MINIMUM)
26	30A GENERATOR MALE BASE
27	INVERTER (1100VA MINIMUM)
28	1-POLE, 40 AMP, TYPE B UPS BREAKER
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30	1 1/2" CONDUIT OUT TO SIGNAL CABINET (CAT 6E AND CONTROL WIRING)
*	SEE PLANS FOR SIZE

NOTES

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- (F) BREAKER SIZING:
- | SIZE (AMPS) | 240V TOTAL
CIRCUIT LOAD (WATTS) | 120V TOTAL
CIRCUIT LOAD (WATTS) |
|-------------|------------------------------------|------------------------------------|
| 15 | 0-2800 | 0-1390 |
| 20 | 2850-3700 | 1400-1850 |
| 25 | 3750-4600 | 1860-2320 |
| 30 | 4650-5500 | 2330-2780 |
| 35 | 5550-6500 | - |
| 40 | 6550-7400 | - |
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- (K) SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.





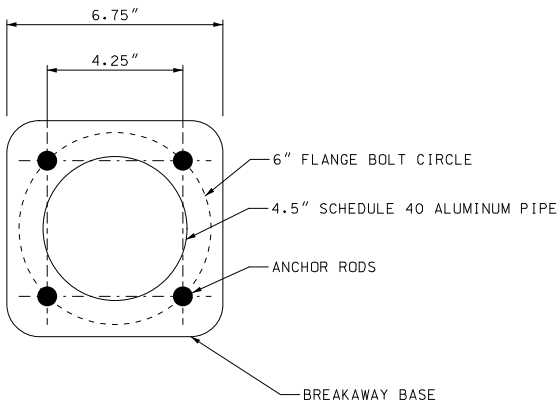
- 1) PROVIDE WATERTIGHT SEAL WHERE CABLES ENTER AND EXIT.
- 2) CAMERAS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- 3) NO CAMERA SHALL BE INSTALLED ON PEDESTALS UNLESS DIRECTED BY THE ENGINEER.
- 4) NO CAMERA SHALL BE INSTALLED ON 15' LUMINAIRE ARM UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

NOT TO SCALE

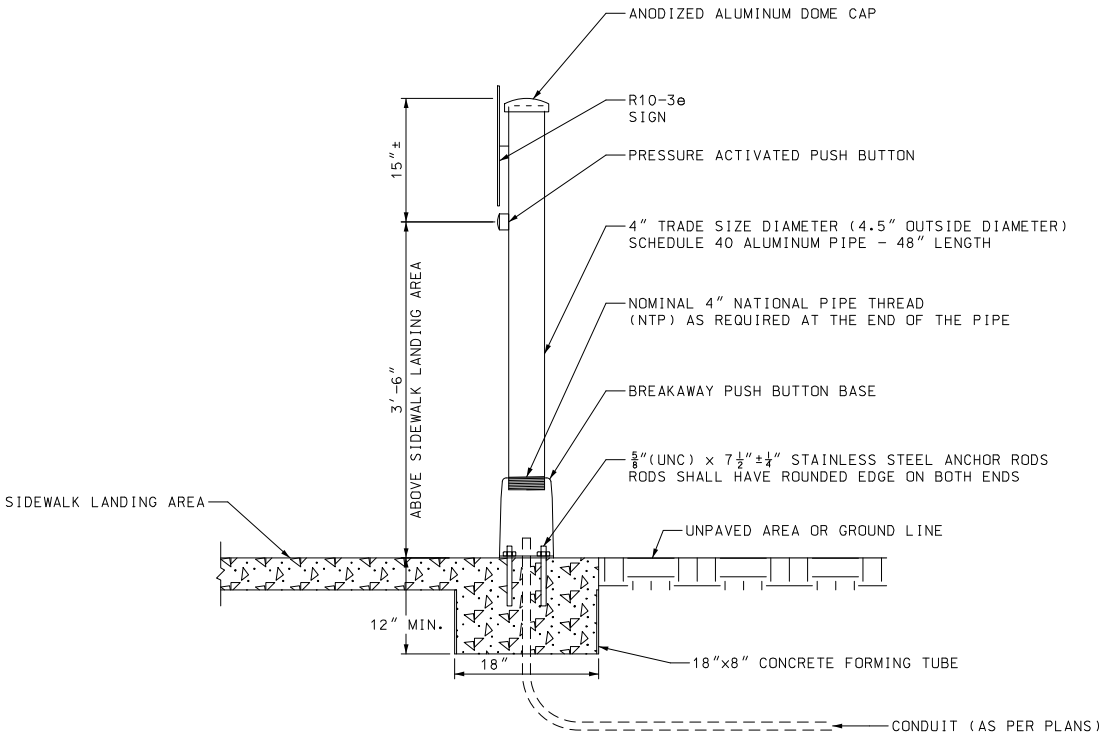
REVISÉD 07/27/2023

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THE PROJECT TO WHICH THIS PAGE REFERS.

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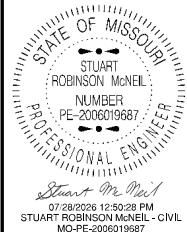
ANCHOR ROD PLACEMENT



PUSH BUTTON STANCHION

NOTES:

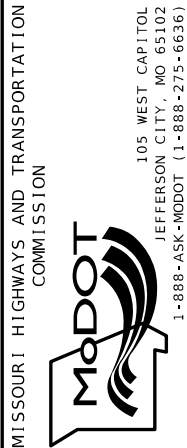
- THE PUSH BUTTON STANCHION FOUNDATION IS CONSTRUCTED AS PART OF THE SIDEWALK. INCREASE THE SIDEWALK THICKNESS TO 12" (MIN.) TO PROVIDE FOR THE PUSH BUTTON STANCHION FOUNDATION.
- INSTALLATION OF THE PUSH BUTTON STANCHION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
- CABLES SHALL HAVE A SLIP-FIT CONNECTION IN THE PEDESTAL THAT WILL DETACH IN THE EVENT THE POLE IS STRUCK.



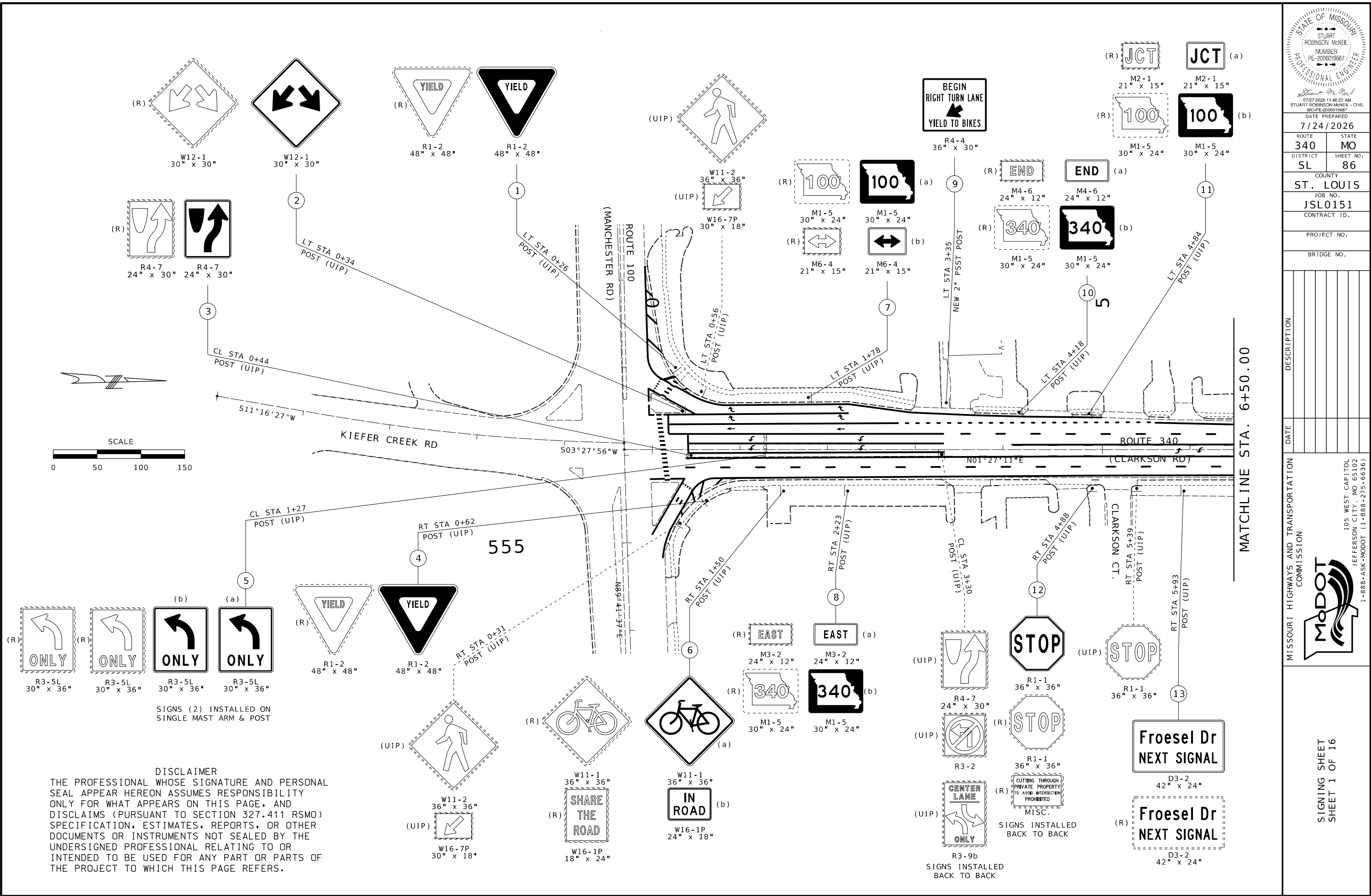
DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 85
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE



SPECIAL SIGNAL SHEET
ADA PEDESTRIAN
PUSH BUTTON STANCHION



SIGNS (2) INSTALLED ON SINGLE MAST ARM & POST

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STATE OF MISSOURI
STUART ROBINSON MONEIL
NUMBER
PE-2006019887
PROFESSIONAL ENGINEER
Stuart M. Moneil
07/27/2026 11:46:20 AM
STUART ROBINSON MONEIL - CIVIL
MO-PE-2006019887
DATE PREPARED
7/24/2026
ROUTE
340
DISTRICT
SL
COUNTY
ST. LOUIS
JOB NO.
JSL0151
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
SIGNING SHEET
SHEET 1 OF 16

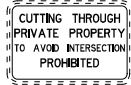
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

MATCHLINE STA. 20+07.56

MATCHLINE STA. 33+57.56

RELOC. EX. SIGN TO
NEW 2" PSST POST



22

LT STA 22+23
NEW 2" PSST POST
(REMOVE WOOD POST)



R1-1
36" x 36"

23

LT STA 23+42
POST (UIP)

VIRGINIA DR



R1-1
36" x 36"

25

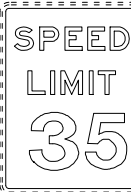
ROUTE 340
(CLARKSON RD)

24

RT STA 27+97
POST (UIP)



R2-1
36" x 48"



R2-1
36" x 48"

(R)



R1-1
36" x 36"

25

LT STA 30+51
POST (UIP)

CLARKSON PINES LN



R1-1
36" x 36"



SCALE



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DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 88
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

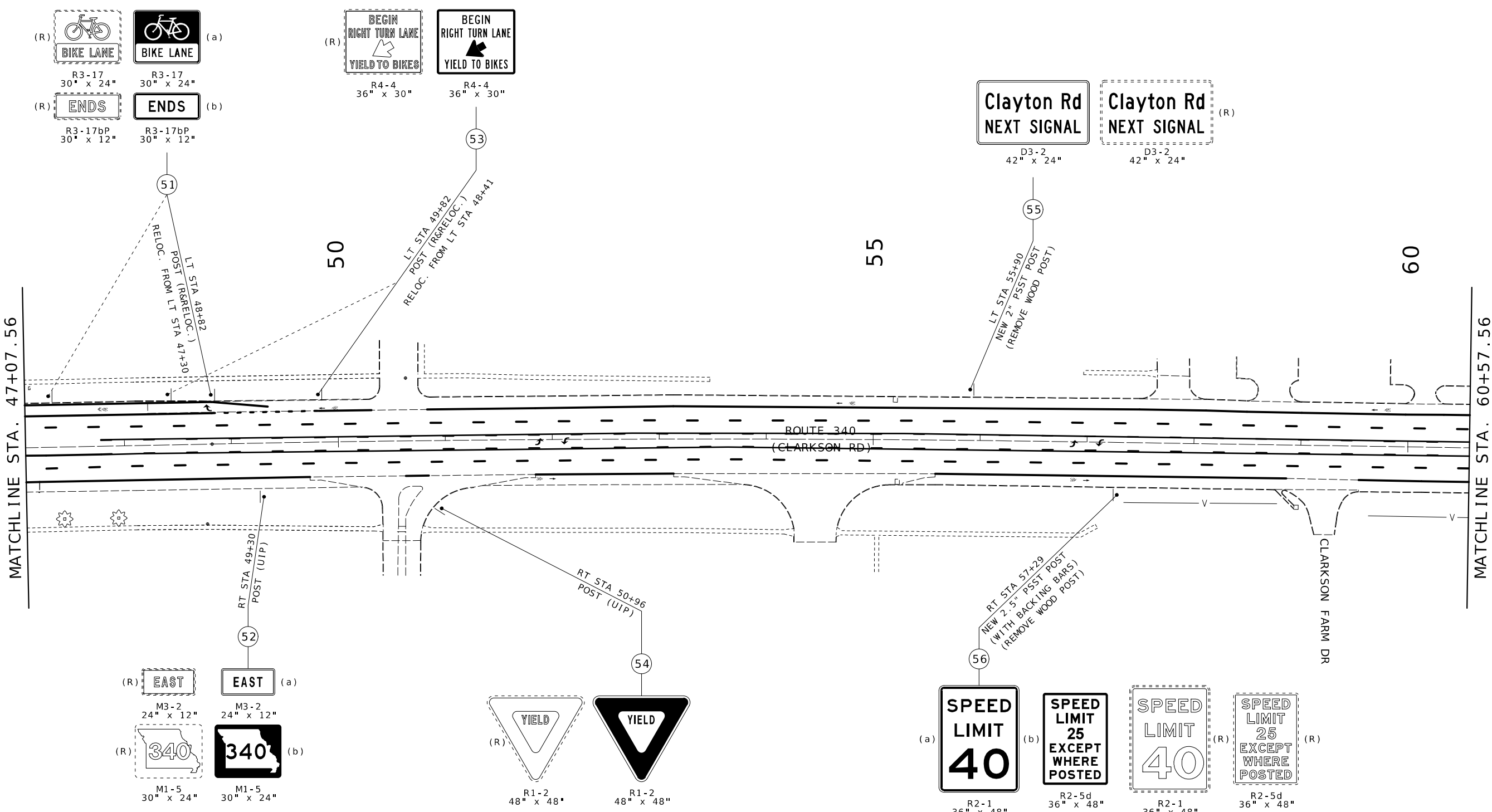
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

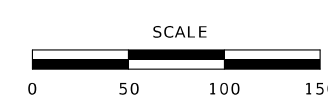


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SIGNING SHEET
SHEET 3 OF 16



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STATE OF MISSOURI

STUART ROBINSON MONEIL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

Stuart M. Moneil

07/27/2026 11:47:20 AM

STUART ROBINSON MONEIL - CIVIL

MO-PE-2006019687

DATE PREPARED

7/24/2026

ROUTE

340

STATE

MO

DISTRICT

SL

SHEET NO.

91

COUNTY

ST. LOUIS

JOB NO.

JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

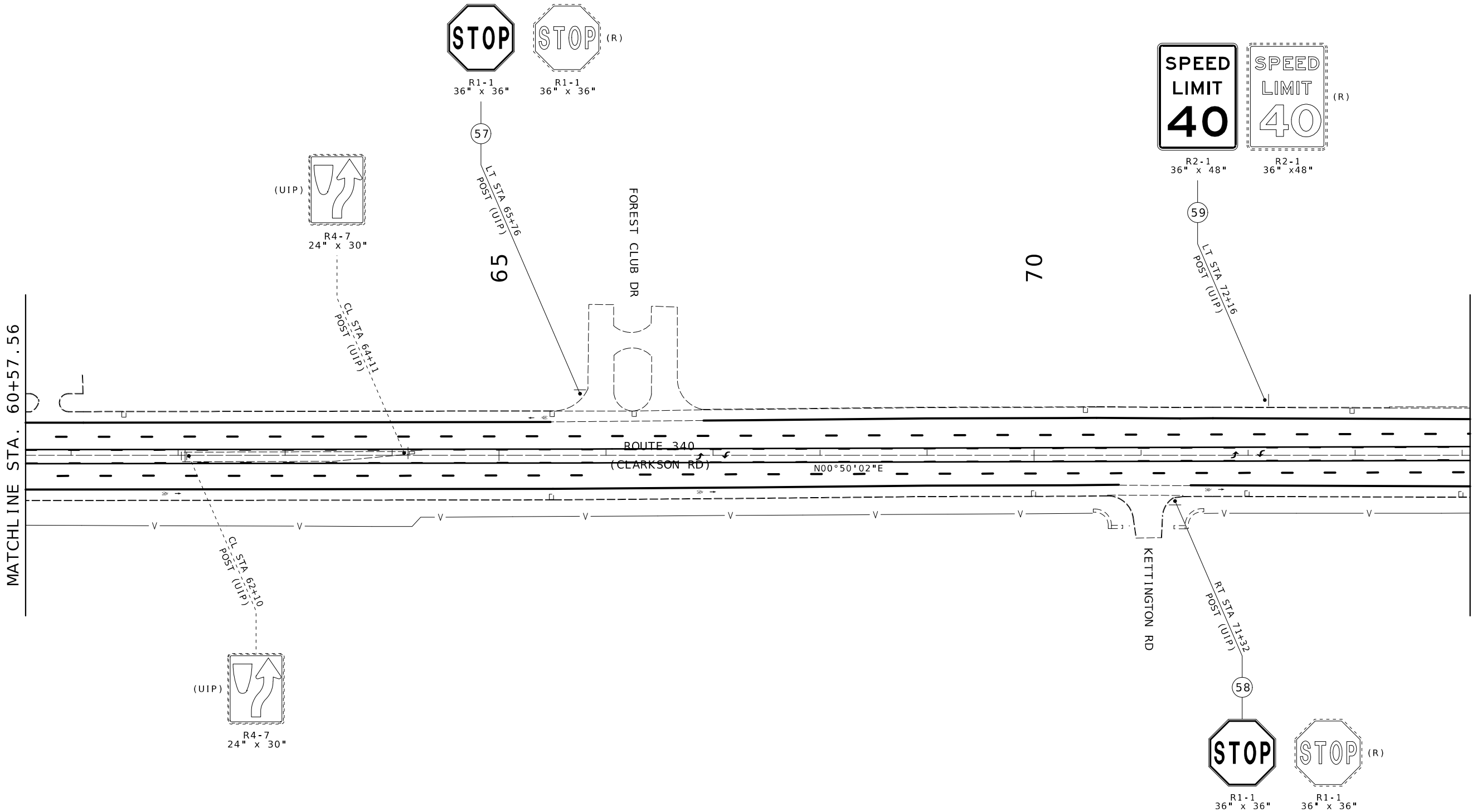
1-888-ASK-MODOT (1-888-275-6636)

SIGNING SHEET

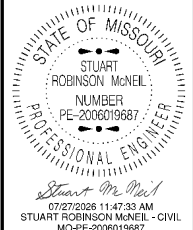
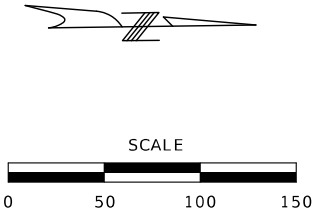
SHEET 5 OF 16

MATCHLINE STA. 60+57.56

MATCHLINE STA. 74+07.56



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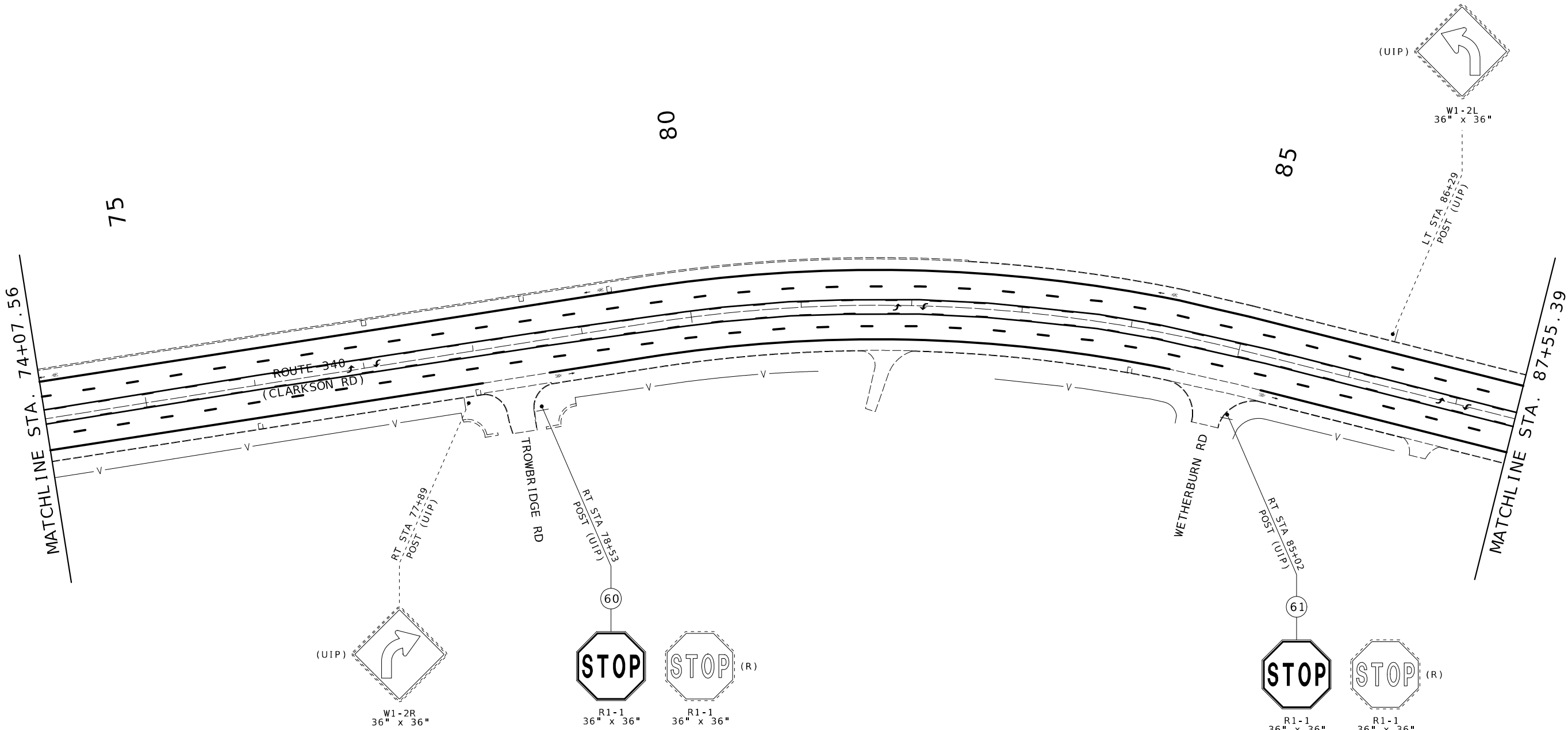
DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 92
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

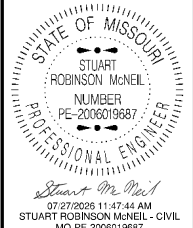
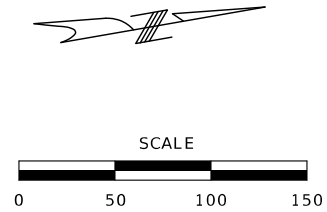
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



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DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 93
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

SIGNING SHEET
SHEET 7 OF 16

MATCHLINE STA. 87+55.39

90

95

FOREST CLUB DR

100

CLARKSON MILL CIRCLE

MATCHLINE STA. 101+05.39

N23°55'33"E

ROUTE 340
(CLARKSON RD)

DOWALL GREEN DR

RT STA 90+26
POST (UIP)

62



R1-1
36" x 36"



R1-1
36" x 36"

RT STA 94+02
NEW 2" PSST POST

63



D3-2
42" x 30"

RT STA 99+44
POST (UIP)

64



R4-4
36" x 30"



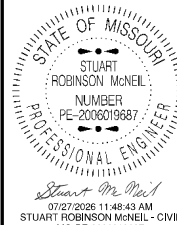
R4-4
36" x 30"



SCALE



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DATE PREPARED
7/24/2026
ROUTE
340
STATE
MO
DISTRICT
SL
SHEET NO.
94
COUNTY
ST. LOUIS
JOB NO.
JSL0151
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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

SIGNING SHEET
SHEET 8 OF 16

MATCHLINE STA. 101+05.39

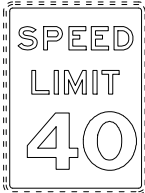
MATCHLINE STA. 114+55.39



R2-1
36" x 48"



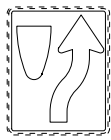
R2-5d
36" x 48"



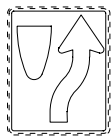
R2-1
36" x 48"



R2-5d
36" x 48"



R4-7
24" x 30"



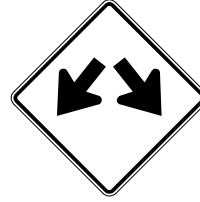
R4-7
24" x 30"



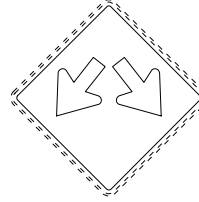
W11-2
36" x 36"



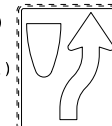
W16-7P
30" x 21"



W12-1
30" x 30"



W12-1
30" x 30"

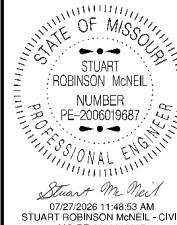


R4-7
24" x 30"



R4-7
24" x 30"

NOTE:
SEE PLAN SHEET 96 FOR ADDITIONAL
SIGNS AT KEHRS MILL RD INTERSECTION.



DATE PREPARED
7/24/2026

ROUTE
340

STATE
MO

DISTRICT
SL

SHEET NO.
95

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

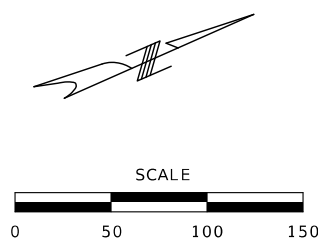
JEFFERSON CITY, MO 65102

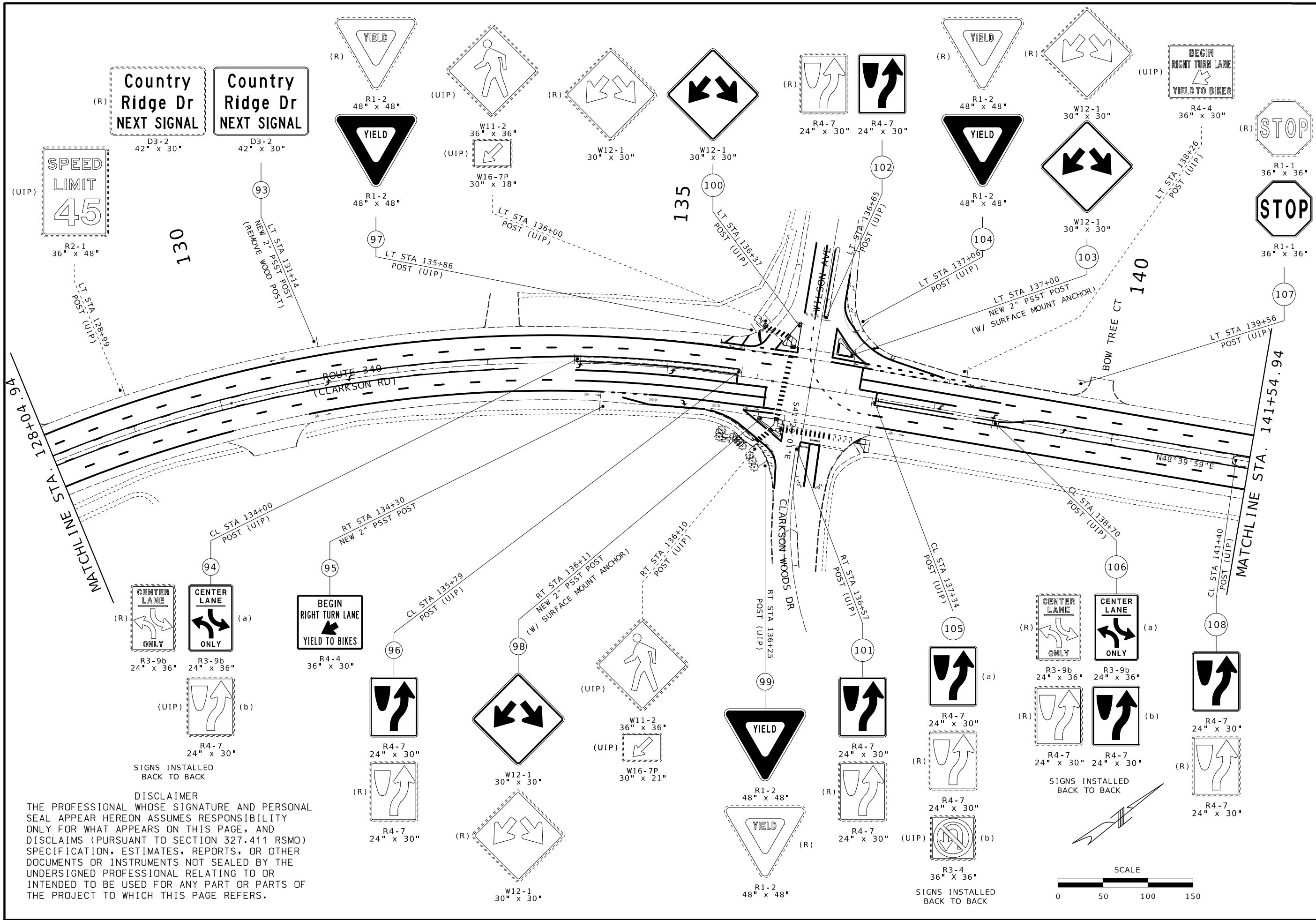
1-888-ASK-MODOT (1-888-275-6636)

SIGNING SHEET

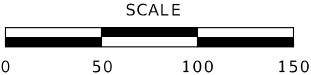
SHEET 9A OF 16

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STATE OF MISSOURI

STUART ROBINSON McNEIL

NUMBER
PE-2006019687

PROFESSIONAL ENGINEER

Stuart McNeil

07/27/2026 11:51:30 AM

STUART ROBINSON McNEIL - CIVIL

MO-PE-2006019687

DATE PREPARED

7/24/2026

ROUTE

340

STATE

MO

DISTRICT

SL

SHEET NO.

98

COUNTY

ST. LOUIS

JOB NO.

JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

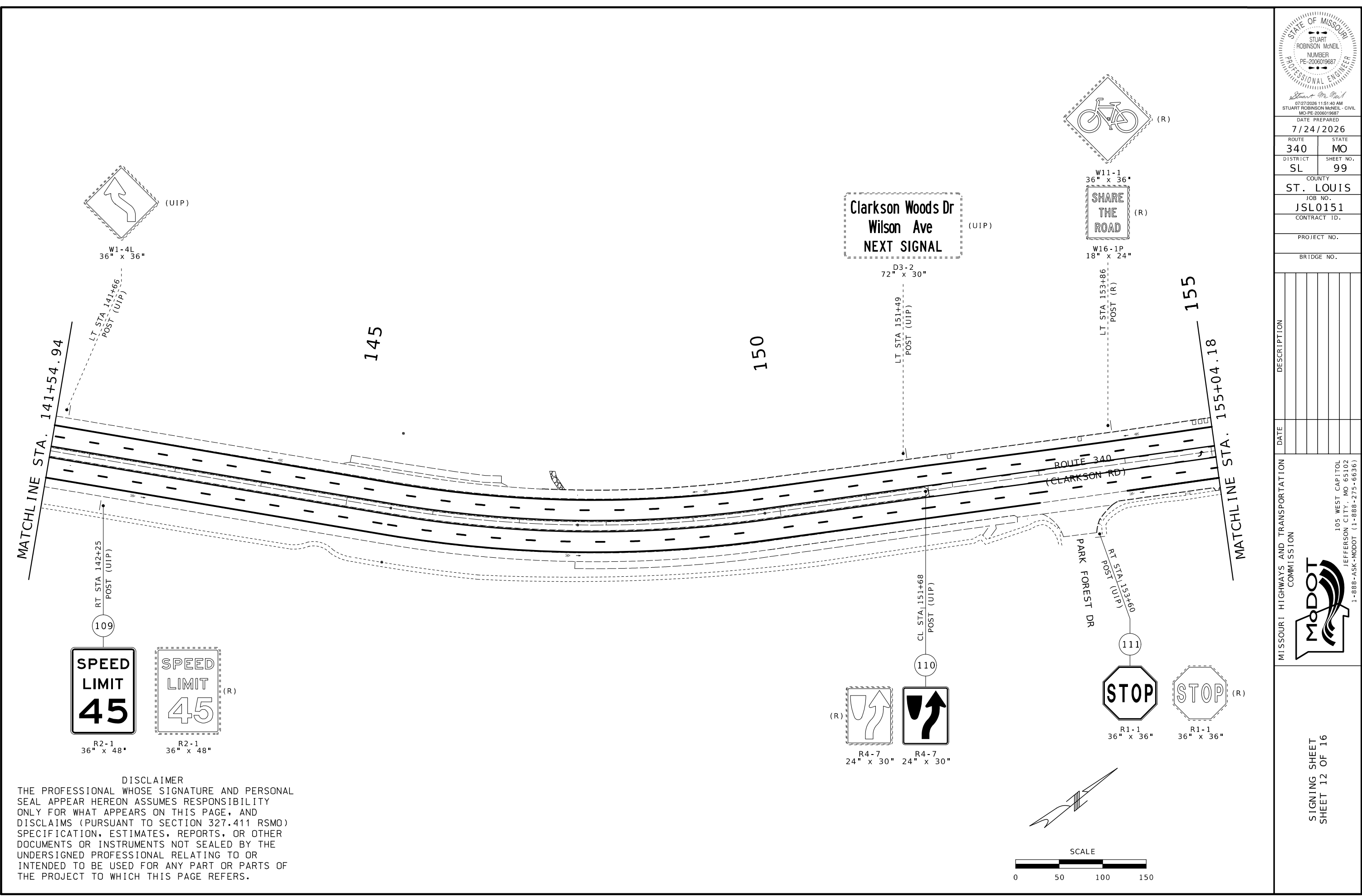
105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

SIGNING SHEET

SHEET 11 OF 16



STATE OF MISSOURI
STUART
ROBINSON MAHEIL
NUMBER
PE-2006019687
PROFESSIONAL ENGINEER
Stuart M. Maheil
07/27/2026 11:51:40 AM
STUART ROBINSON MAHEIL - CIVIL
MO PE 2006019687

DATE PREPARED
7/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	99

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

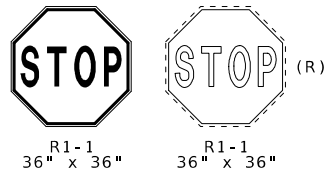
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

SIGNING SHEET
SHEET 12 OF 16

MATCHLINE STA. 155+04.18 155



112

LT STA 156+52
POST (UIP)

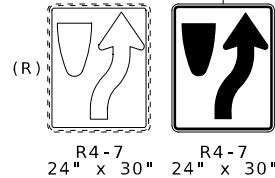
WALDEN POND LN

160

POT STA 161+76.20 R7

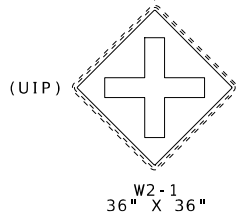
165

MATCHLINE STA. 168+54.18

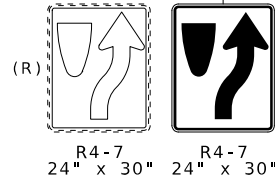


CL STA 158+31
POST (UIP)

113



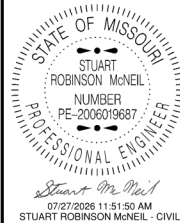
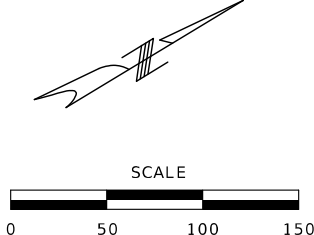
RT STA 161+08
POST (UIP)



CL STA 164+94
POST (UIP)

114

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DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 100
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

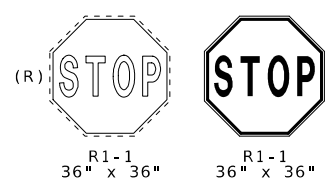
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

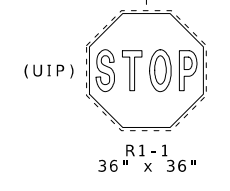
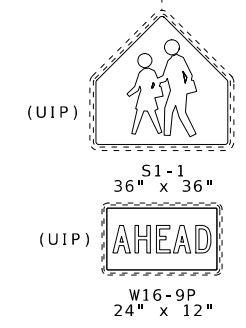
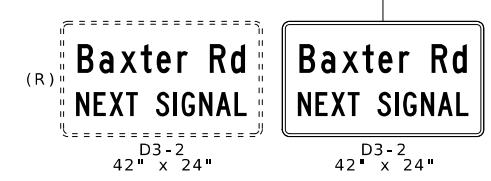
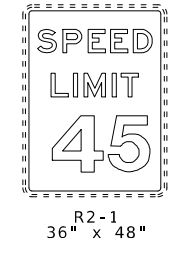
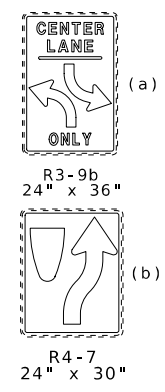
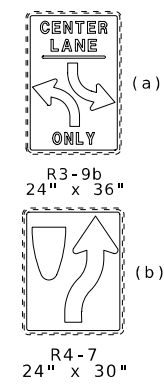


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SIGNING SHEET
SHEET 13 OF 16



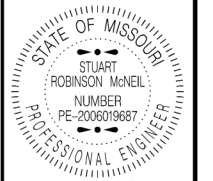
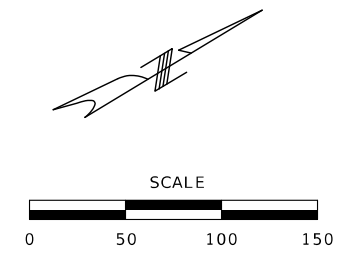
NOTE:
BEGINNING AT STA 175+40.00 SIGNS
NOTED "DONE BY OTHERS" WILL BE
COMPLETED BY THE STAENBERG GROUP
PERMIT PROJECT.



MATCHLINE STA. 168+54.18

MATCHLINE STA. 182+04.18

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DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 101
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

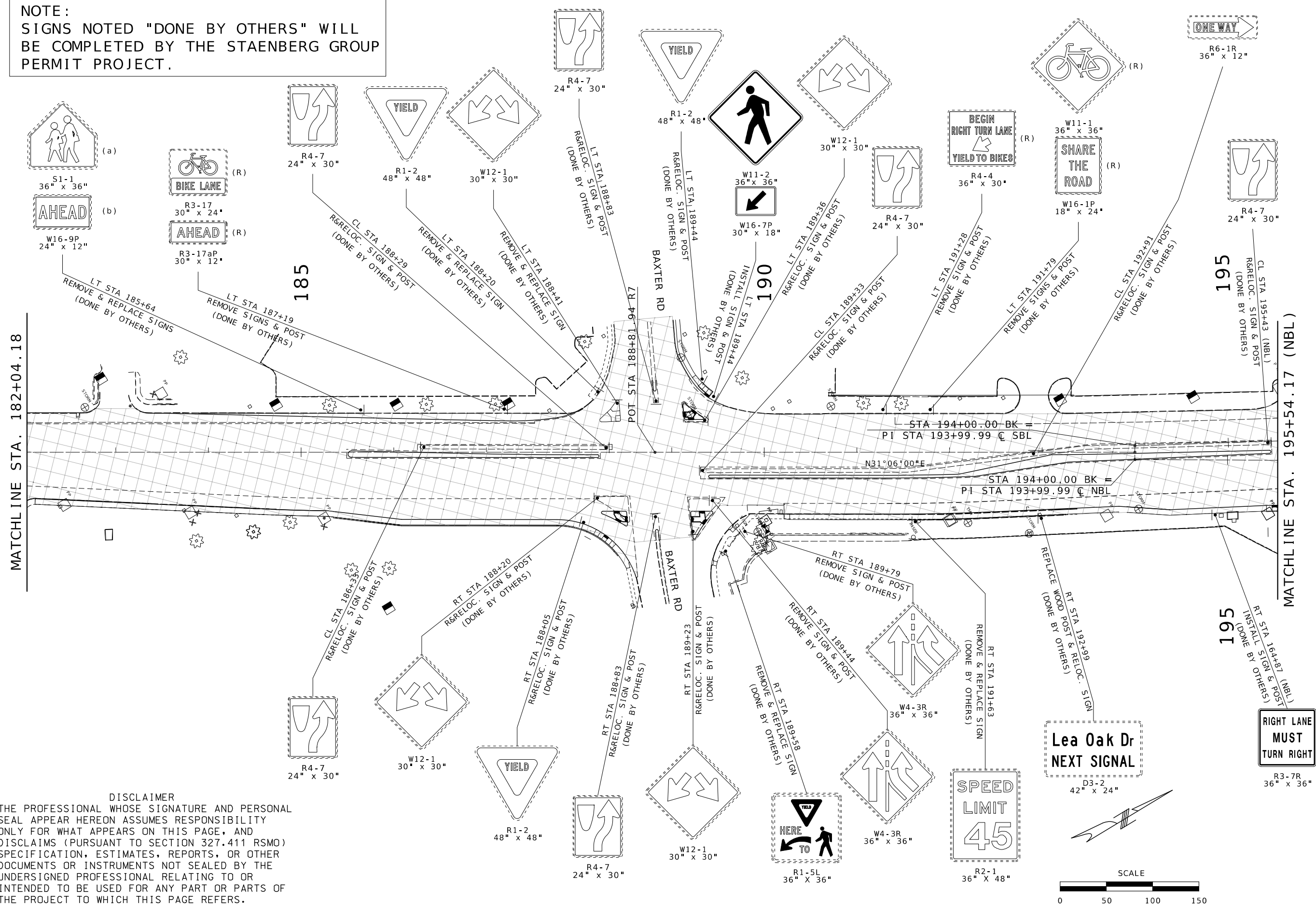
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

SIGNING SHEET
SHEET 14 OF 16

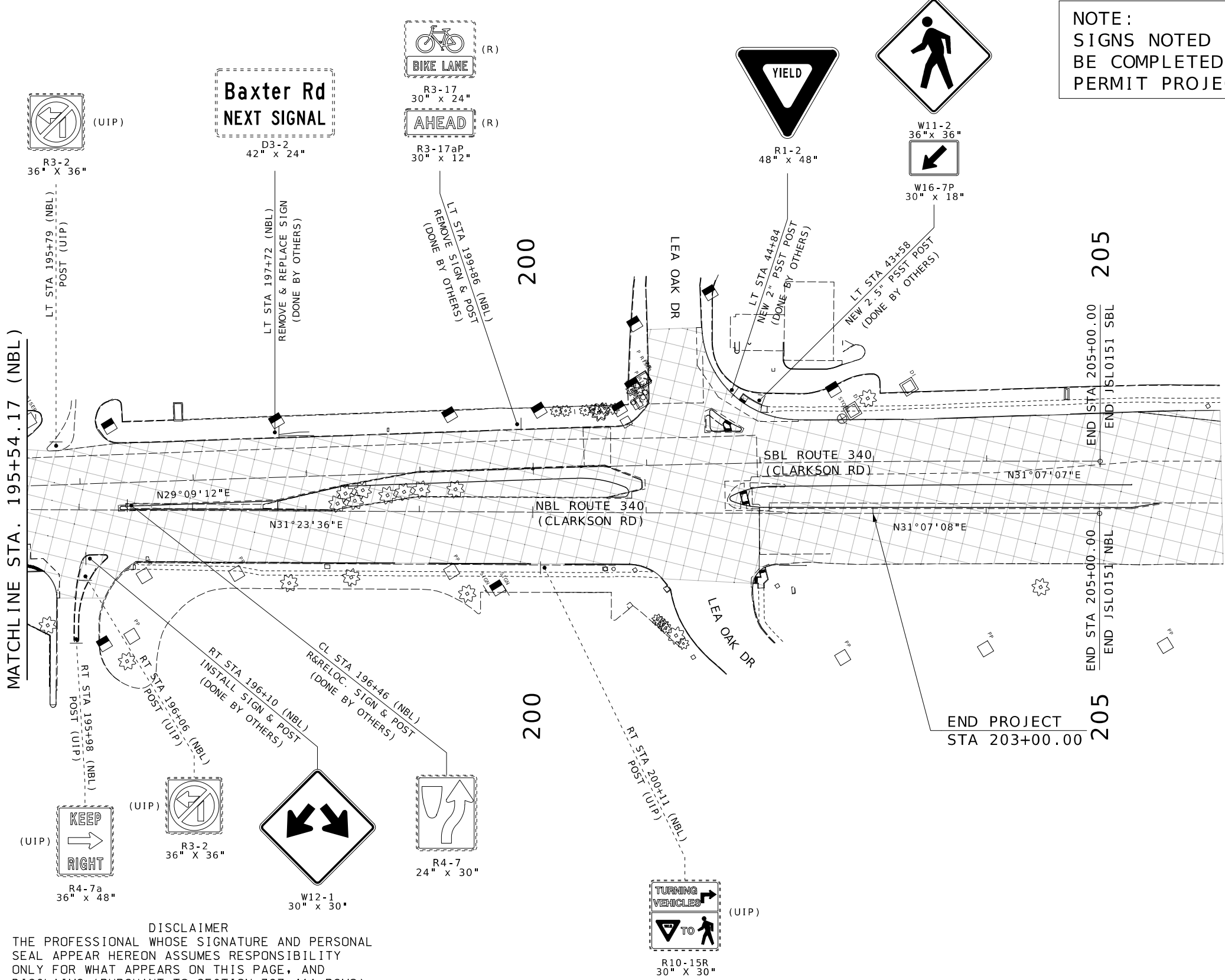
NOTE:
SIGNS NOTED "DONE BY OTHERS" WILL
BE COMPLETED BY THE STAENBERG GROUP
PERMIT PROJECT.



DISCLAIMER

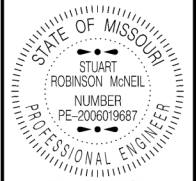
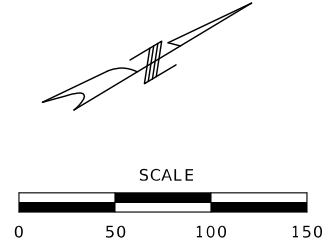
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[illegible]



NOTE:
SIGNS NOTED "DONE BY OTHERS" WILL
BE COMPLETED BY THE STAENBERG GROUP
PERMIT PROJECT.

DISCLAIMER
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INTENDED TO BE USED FOR ANY PART OR PARTS OF
THE PROJECT TO WHICH THIS PAGE REFERS.



DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 103
COUNTY ST. LOUIS	
JOB NO. JSL0151	
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 16 OF 16

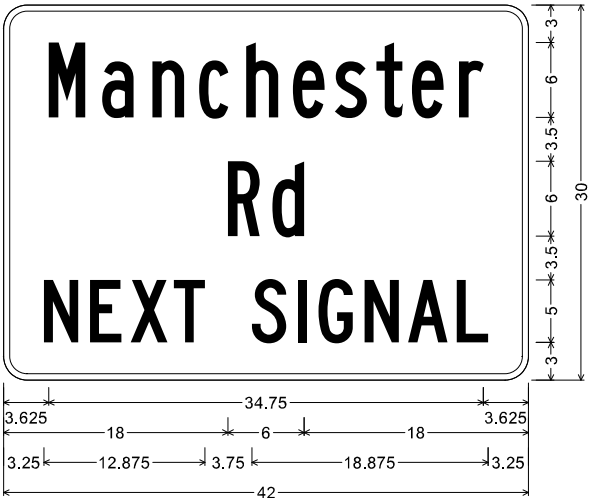
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[illegible]

*REUSE EXISTING SIGN(S)

STANDARD SIGN ASSEMBLIES (2 OF 2)																																					
SIGN NUMBER	STA	LOCATION	TYPE																																		
			SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SHF	SHF	SHF	SHF	SHF	SHF	SHF	SH	SH	SH	SH	SH	SH			
			M1-5	M1-5	M2-1 WHITE	M3-2 WHITE	M3-4 WHITE	M4-6 WHITE	M6-4 WHITE	R1-1	R1-2	R2-1	R2-1	R2-1	R2-5d	R3-5L	R3-9b	R3-17	R3-17aP	R3-17bP	R4-4	R4-7	R6-1R	S1-1 FYG	W11-1	W11-2	W12-1	W16-1P	W16-7P	W16-9P FYG	D3-2	D3-2	D3-2	D3-2	D3-2	D3-2	D3-2
			SIGN DESCRIPTION, SIZES & NUMBER OF EACH																																		
			 30"x24" M1-5	 30"x24" M1-5	 21"x15" M2-1	 24"x12" M3-2	 24"x12" M3-4	 24"x12" M4-6	 21"x15" M6-4	 36"x36" R1-1	 48"x48" R1-2	 36"x48" R2-1	 36"x48" R2-1	 36"x48" R2-1	 36"x48" R2-5d	 30"x36" R3-5L	 24"x36" R3-9b	 30"x24" R3-17	 30"x12" R3-17aP	 30"x12" R3-17bP	 36"x30" R4-4	 24"x30" R4-7	 36"x12" R6-1R	 36"x36" S1-1 FYG	 36"x36" W11-1	 36"x36" W11-2	 30"x30" W12-1	 24"x18" W16-1P	 30"x21" W16-7P	 24"x12" W16-9P FYG	 42"x24" D3-2	 42"x30" D3-2	 42"x24" D3-2	 42"x24" D3-2	 42"x30" D3-2	 42"x30" D3-2	 42"x24" D3-2
61	85+02	ROUTE 340 - RT							1																												
62	90+26	ROUTE 340 - RT							1																												
63	94+02	ROUTE 340 - RT																																			
64	99+44	ROUTE 340 - RT																																			
65	101+40	ROUTE 340 - LT																																			
66	101+78	ROUTE 340 - CL																																			
67	102+42	ROUTE 340 - CL																																			
68	102+78	ROUTE 340 - RT																																			
69	103+18	ROUTE 340 - RT																																			
70	103+73	ROUTE 340 - CL																																			
71	106+28	ROUTE 340 - RT																																			
72	106+33	ROUTE 340 - RT																																			
73	106+50	ROUTE 340 - RT																																			
74	107+84	ROUTE 340 - LT																																			
75	107+92	ROUTE 340 - LT																																			
76	108+01	ROUTE 340 - CL																																			
77	108+02	ROUTE 340 - LT																																			
78	108+66	ROUTE 340 - RT																																			
79	109+21	ROUTE 340 - RT																																			
80	110+25	ROUTE 340 - LT																																			
81	110+97	ROUTE 340 - RT																																			
82	111+27	ROUTE 340 - CL																																			
83	114+83	ROUTE 340 - RT																																			
84	115+77	ROUTE 340 - RT																																			
85	118+22	ROUTE 340 - LT																																			
86	118+53	ROUTE 340 - LT																																			
87	118+73	ROUTE 340 - LT																																			
88	119+44	ROUTE 340 - LT																																			
89	119+48	ROUTE 340 - LT																																			
90	121+82	ROUTE 340 - LT																																			
91	123+27	ROUTE 340 - CL																																			
92	123+58	ROUTE 340 - LT																																			
93	131+14	ROUTE 340 - LT																																			
94	134+00	ROUTE 340 - CL																																			
95	134+30	ROUTE 340 - RT																																			
96	135+79	ROUTE 340 - CL																																			
97	135+86	ROUTE 340 - LT																																			
98	136+11	ROUTE 340 - RT																																			
99	136+25	ROUTE 340 - RT																																			
100	136+37	ROUTE 340 - LT																																			
101	136+57	ROUTE 340 - RT																																			

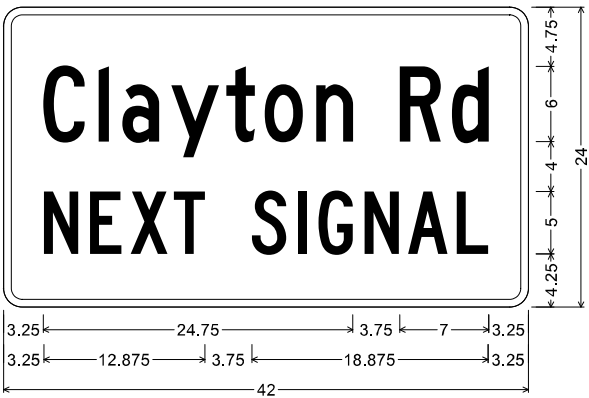
SIGN NO.	14
STATION	7+28
ROADWAY	ROUTE 340



D3-2 SH-FLAT SHEET;
1.875" Radius, 0.500" Border, White on Green;
"Manchester", B 90% spacing; "Rd", B 90% spacing;
"NEXT SIGNAL", C 90% spacing;
Table of letter and object lefts

M	a	n	c	h	e	s	t	e	r
3.625	7.875	11.875	15.625	19.375	23.125	26.500	29.875	32.625	36.500
R	d								
18.000	21.500								
N	E	X	T						
3.250	6.875	10.125	13.625						
	S	I	G	N	A	L			
	19.875	23.500	25.250	28.875	32.375	36.250			

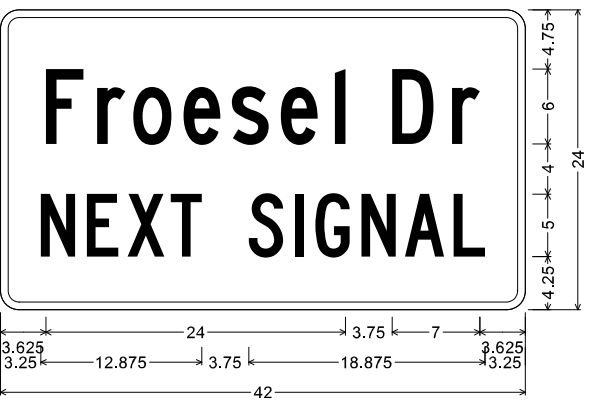
SIGN NO.	26, 55
STATION	33+69, 55+90
ROADWAY	ROUTE 340



D3-2 SH-FLAT SHEET;
1.500" Radius, 0.625" Border, White on Green;
"Clayton Rd", C 70% spacing;
"NEXT SIGNAL", C 90% spacing;
Table of letter and object lefts

C	l	a	y	t	o	n
3.250	7.625	9.500	13.375	17.875	20.875	25.000
R	d					
31.750	35.875					
N	E	X	T			
3.250	6.875	10.125	13.625			
	S	I	G	N	A	L
	19.875	23.500	25.250	28.875	32.375	36.250

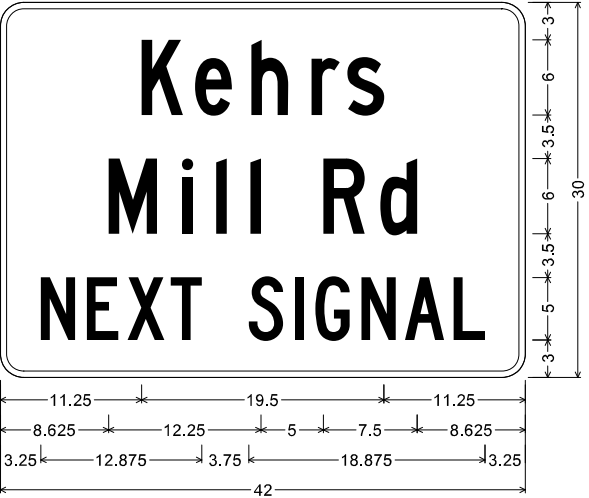
SIGN NO.	13, 21
STATION	5+93, 16+12
ROADWAY	ROUTE 340



D3-2 SH-FLAT SHEET;
1.500" Radius, 0.625" Border, White on Green;
"Froesel Dr", C 90% spacing;
"NEXT SIGNAL", C 90% spacing;
Table of letter and object lefts

F	r	o	e	s	e	l
3.625	7.750	10.625	14.625	18.500	22.375	26.750
D	r					
31.375	36.125					
N	E	X	T			
3.250	6.875	10.125	13.625			
	S	I	G	N	A	L
	19.875	23.500	25.250	28.875	32.375	36.250

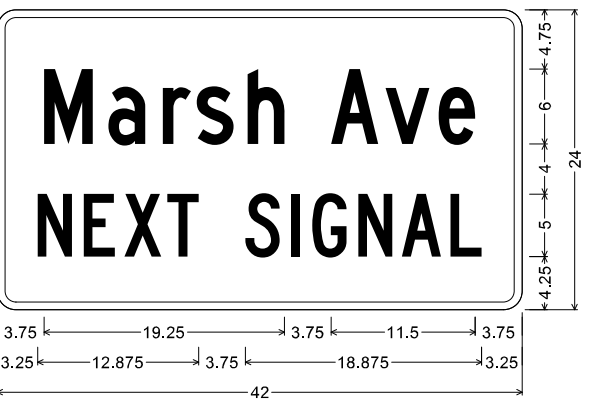
SIGN NO.	63
STATION	94+02
ROADWAY	ROUTE 340



D3-2 SH-FLAT SHEET;
1.875" Radius, 0.500" Border, White on Green;
"Kehrs", C; "Mill Rd", C; "NEXT SIGNAL", C 90% spacing;
Table of letter and object lefts

K	e	h	r	s
11.250	15.625	20.125	24.875	27.750
M	i	l	l	
8.625	14.500	17.250	20.000	25.875
N	E	X	T	
3.250	6.875	10.125	13.625	
	S	I	G	N
	19.875	23.500	25.250	28.875
		A	L	
		32.375	36.250	

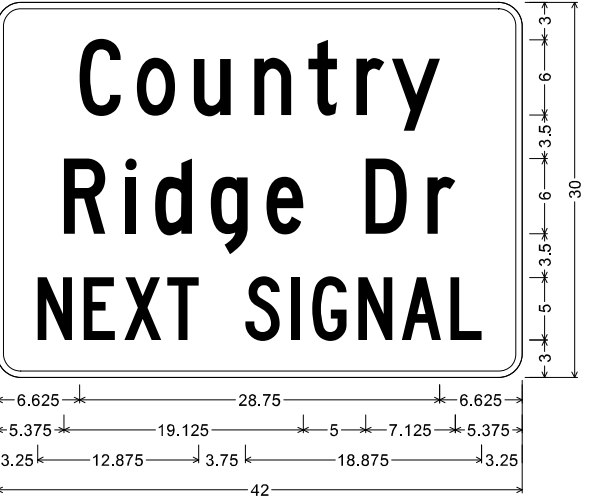
SIGN NO.	18, 29
STATION	12+98, 36+69
ROADWAY	ROUTE 340



D3-2 SH-FLAT SHEET;
1.500" Radius, 0.625" Border, White on Green;
"Marsh Ave", C 75% spacing;
"NEXT SIGNAL", C 90% spacing;
Table of letter and object lefts

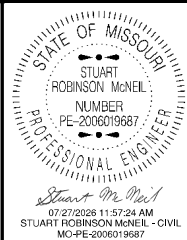
M	a	r	s	h	A	v	e
3.750	8.875	13.250	16.000	20.000	26.750	31.000	35.250
N	E	X	T				
3.250	6.875	10.125	13.625				
	S	I	G	N	A	L	
	19.875	23.500	25.250	28.875	32.375	36.250	

SIGN NO.	81, 93
STATION	110+97, 131+14
ROADWAY	ROUTE 340



D3-2 SH-FLAT SHEET;
1.875" Radius, 0.500" Border, White on Green;
"Country", C; "Ridge Dr", C;
"NEXT SIGNAL", C 90% spacing;
Table of letter and object lefts

C	o	u	n	t	r	y
6.625	11.125	15.750	20.625	24.875	28.750	31.625
R	i	d	g	e	D	r
5.375	10.250	12.625	17.125	21.500	29.500	34.375
N	E	X	T			
3.250	6.875	10.125	13.625			
	S	I	G	N	A	L
	19.875	23.500	25.250	28.875	32.375	36.250



DATE PREPARED	7/24/2026
ROUTE	340
STATE	MO
DISTRICT	SL
SHEET NO.	110
COUNTY	ST. LOUIS
JOB NO.	JSL0151
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

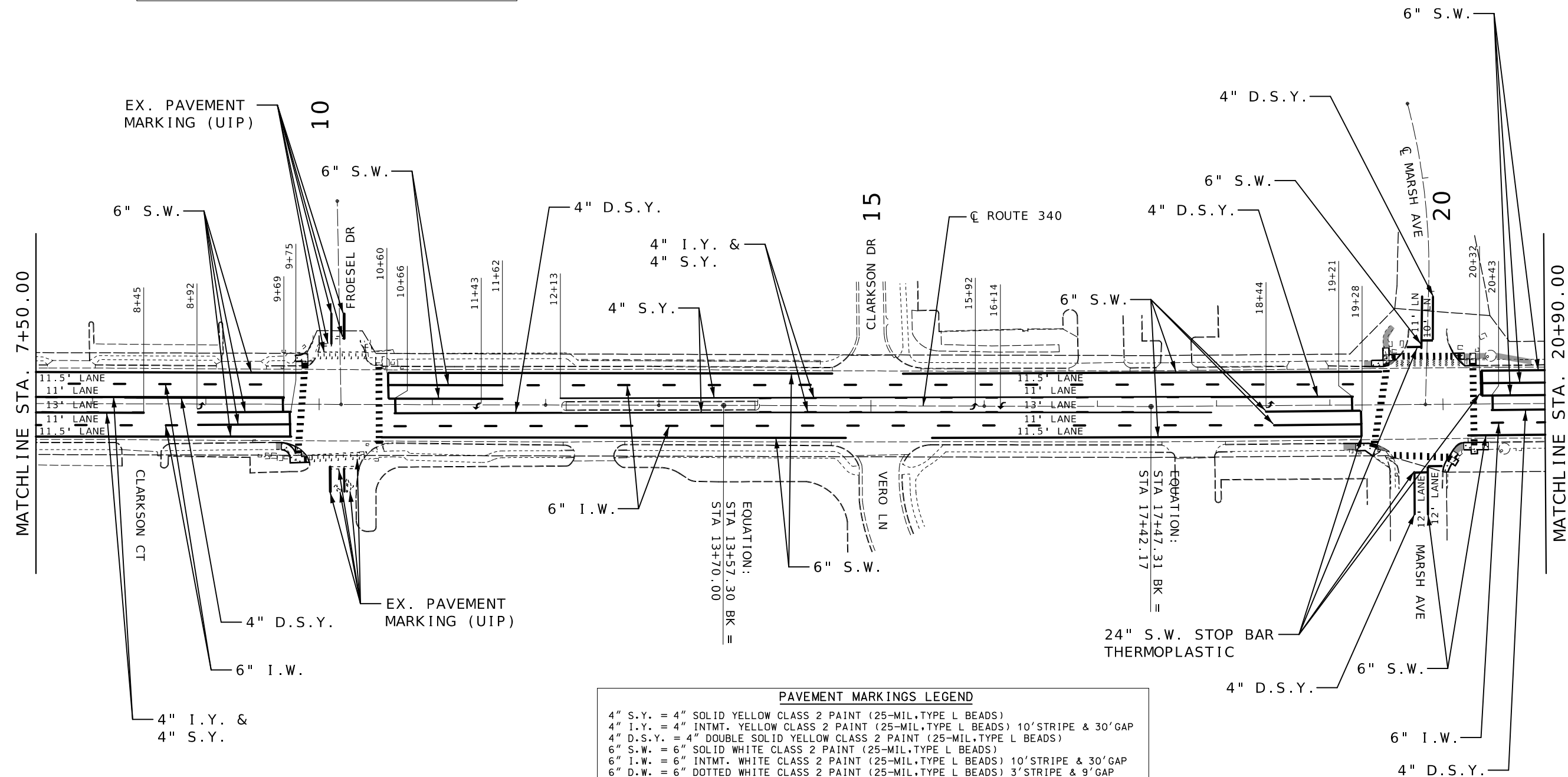
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SIGN DETAILS SHEET
SHEET 1 OF 2

NOTE:
PAVEMENT MARKING REMOVAL REQUIRED
WHERE NEW PAVEMENT MARKING SHOWN
ON PLANS CONFLICT WITH EXISTING.
PAYMENT FOR REMOVAL WILL BE MADE
UNDER 620-70.01 & 620-99.01. SEE
QTY SHEETS.



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PAVEMENT MARKINGS LEGEND			
4" S.Y. = 4" SOLID YELLOW CLASS 2 PAINT (25-MIL,TYPE L BEADS)			
4" I.Y. = 4" INTMT. YELLOW CLASS 2 PAINT (25-MIL,TYPE L BEADS) 10'STRIPE & 30'GAP			
4" D.S.Y. = 4" DOUBLE SOLID YELLOW CLASS 2 PAINT (25-MIL,TYPE L BEADS)			
6" S.W. = 6" SOLID WHITE CLASS 2 PAINT (25-MIL,TYPE L BEADS)			
6" I.W. = 6" INTMT. WHITE CLASS 2 PAINT (25-MIL,TYPE L BEADS) 10'STRIPE & 30'GAP			
6" D.W. = 6" DOTTED WHITE CLASS 2 PAINT (25-MIL,TYPE L BEADS) 3'STRIPE & 9'GAP			
	(24" X 6') WHITE CROSSWALK MARKINGS (THERMOPLASTIC)		(24" X 36") S.W.Y.: SOLID WHITE YIELD TRIANGLES (THERMOPLASTIC)
	SOLID WHITE ARROW W/ BIKE LANE MARKING (THERMOPLASTIC)		SOLID WHITE SHARED BIKE LANE MARKING (THERMOPLASTIC)
	24" S.W. : SOLID WHITE BARS (THERMOPLASTIC)		24" S.Y. : SOLID YELLOW BARS (THERMOPLASTIC)
	SOLID WHITE STRAIGHT LEFT ARROW (THERMOPLASTIC)		SOLID WHITE STRAIGHT ARROW (THERMOPLASTIC)
	SOLID WHITE TURN ARROW LEFT & RIGHT (THERMOPLASTIC)		EX. PAVEMENT MARKING REMOVAL (THERMOPLASTIC AND PAINT)

STATE OF MISSOURI

STUART ROBINSON MAHEIL

NUMBER
PE-2006019687

PROFESSIONAL ENGINEER

Stuart M. Maheil

07/27/2026 12:13:00 PM

STUART ROBINSON MAHEIL, CIVIL

MO-PE-2006019687

DATE PREPARED
7/24/2026

ROUTE
340

DISTRICT
SL

COUNTY
ST. LOUIS

STATE
MO

SHEET NO.
113

JOB NO.
JSL0151

CONTRACT ID.

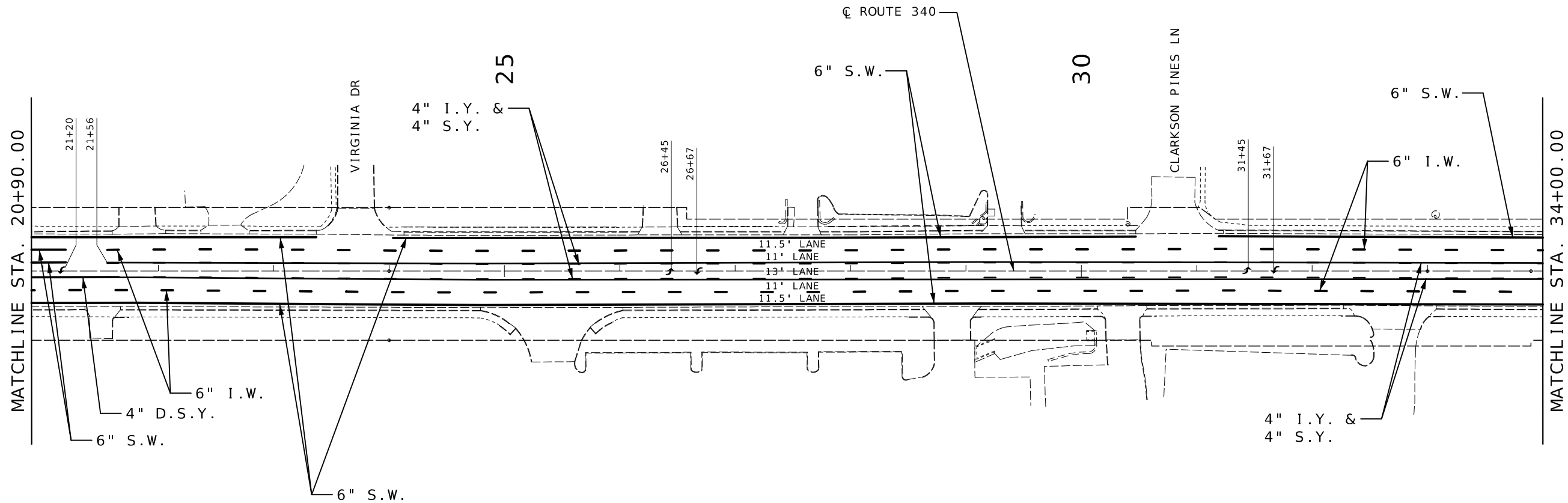
PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

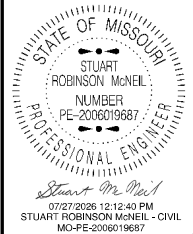
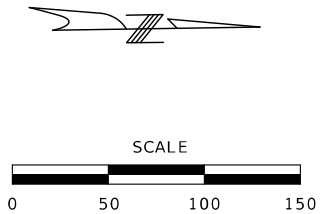
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

PAVEMENT MARKING SHEET
SHEET 2 OF 16



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PAVEMENT MARKINGS LEGEND			
4" S.Y. = 4" SOLID YELLOW CLASS 2 PAINT (25-MIL,TYPE L BEADS) 4" I.Y. = 4" INTMT. YELLOW CLASS 2 PAINT (25-MIL,TYPE L BEADS) 10'STRIPE & 30'GAP 4" D.S.Y. = 4" DOUBLE SOLID YELLOW CLASS 2 PAINT (25-MIL,TYPE L BEADS) 6" S.W. = 6" SOLID WHITE CLASS 2 PAINT (25-MIL,TYPE L BEADS) 6" I.W. = 6" INTMT. WHITE CLASS 2 PAINT (25-MIL,TYPE L BEADS) 10'STRIPE & 30'GAP 6" D.W. = 6" DOTTED WHITE CLASS 2 PAINT (25-MIL,TYPE L BEADS) 3'STRIPE & 9'GAP			
	(24" X 6') WHITE CROSSWALK MARKINGS (THERMOPLASTIC)		(24"x 36") S.W.Y.: SOLID WHITE YIELD TRIANGLES (THERMOPLASTIC)
	SOLID WHITE ARROW W/ BIKE LANE MARKING(THERMOPLASTIC)		SOLID WHITE SHARED BIKE LANE MARKING(THERMOPLASTIC)
	24" S.W. : SOLID WHITE BARS (THERMOPLASTIC)		24" S.Y. : SOLID YELLOW BARS (THERMOPLASTIC)
	SOLID WHITE STRAIGHT LEFT ARROW (THERMOPLASTIC)		SOLID WHITE STRAIGHT ARROW (THERMOPLASTIC)
	SOLID WHITE TURN ARROW LEFT & RIGHT (THERMOPLASTIC)		



DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 114
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

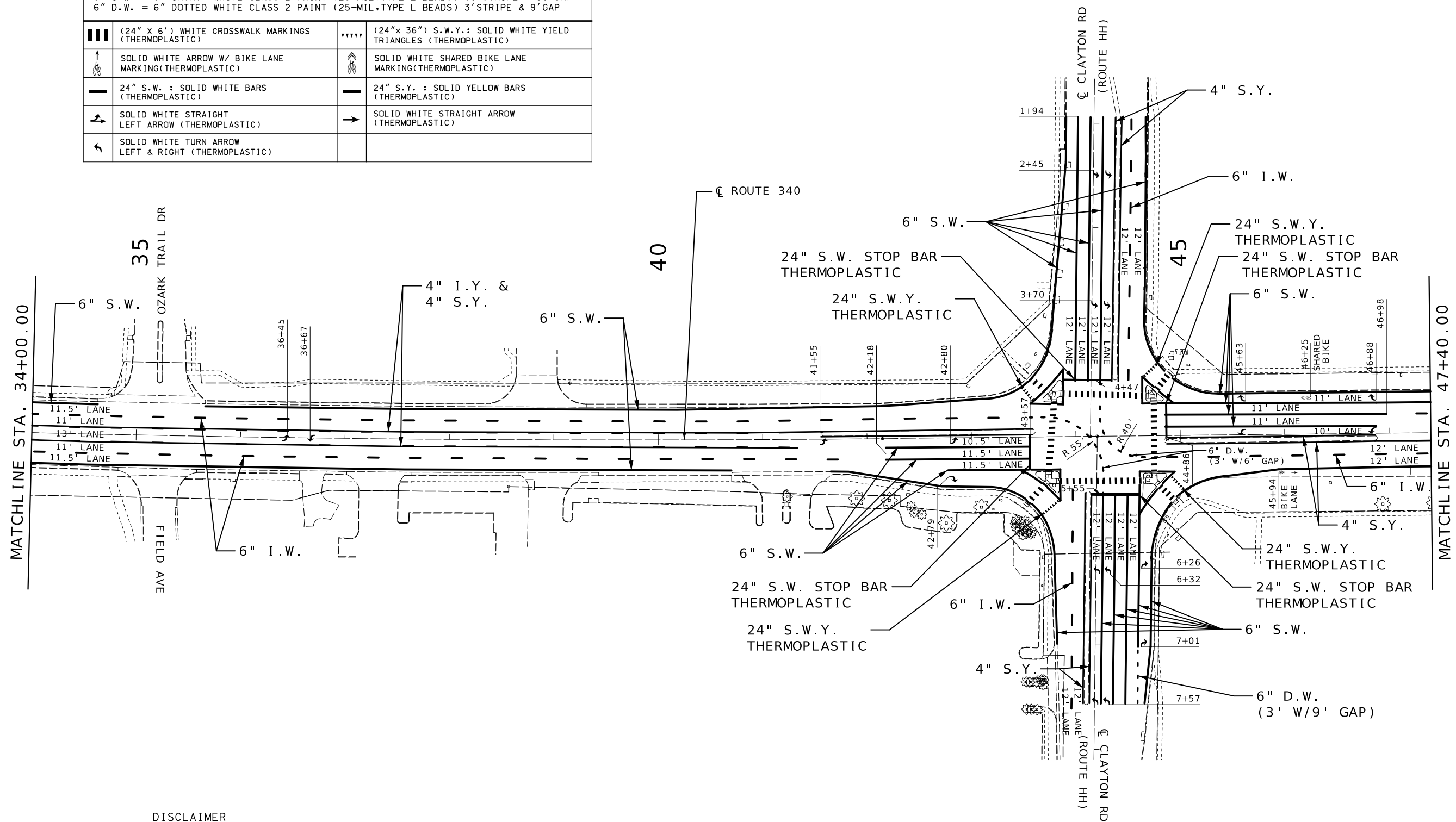
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

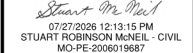
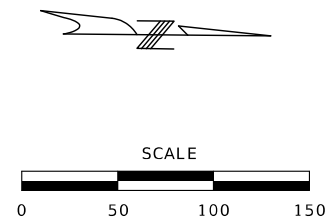
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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	SOLID WHITE ARROW W/ BIKE LANE MARKING (THERMOPLASTIC)		SOLID WHITE SHARED BIKE LANE MARKING (THERMOPLASTIC)
	24" S.W. : SOLID WHITE BARS (THERMOPLASTIC)		24" S.Y. : SOLID YELLOW BARS (THERMOPLASTIC)
	SOLID WHITE STRAIGHT LEFT ARROW (THERMOPLASTIC)		SOLID WHITE STRAIGHT ARROW (THERMOPLASTIC)
	SOLID WHITE TURN ARROW LEFT & RIGHT (THERMOPLASTIC)		



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DATE PREPARED

7/24/2026

ROUTE	STATE
340	MO

DISTRICT	SHEET NO.
SL	115

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

Abstract

PROJECT NO.

PROJECT NO.:

BRIDGE NO.

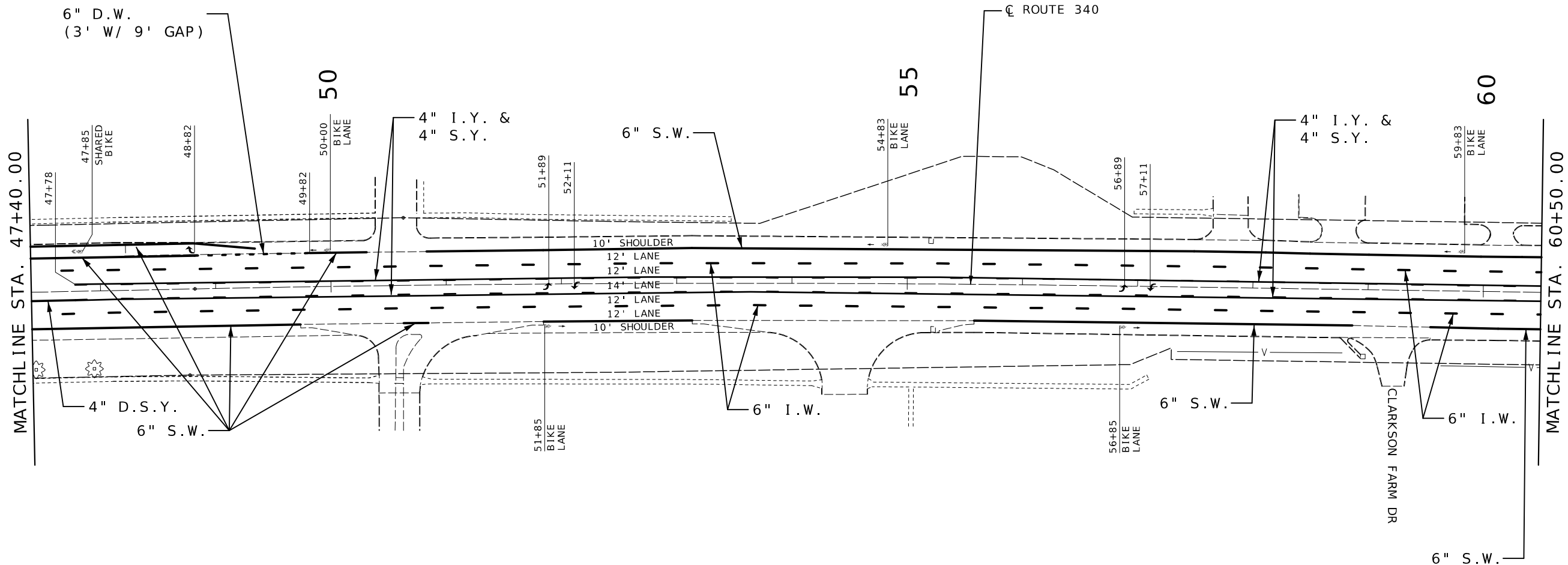
DATE	DESCRIPTION

**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

 **MoDOT**

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

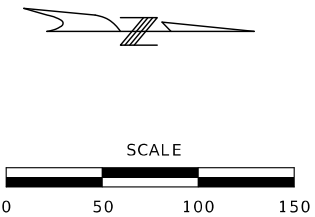
PAVEMENT MARKING SHEET
SHEET 4 OF 16

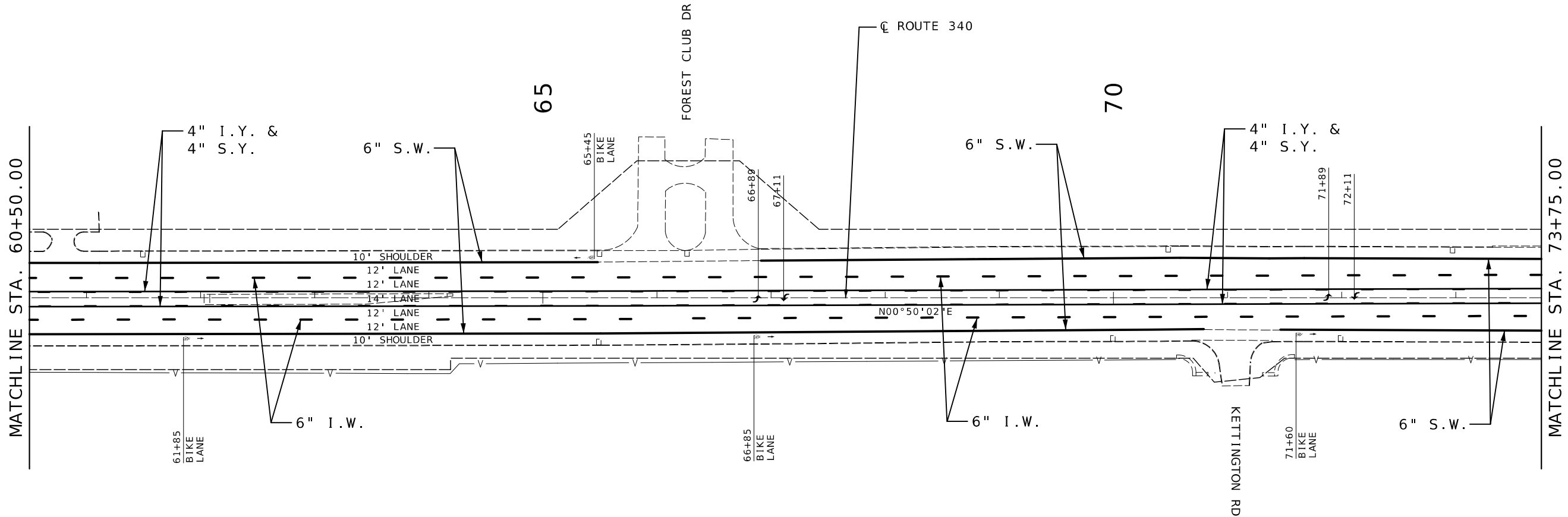


PAVEMENT MARKINGS LEGEND			
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	SOLID WHITE ARROW W/ BIKE LANE MARKING(THERMOPLASTIC)		SOLID WHITE SHARED BIKE LANE MARKING(THERMOPLASTIC)
	24" S.W. : SOLID WHITE BARS (THERMOPLASTIC)		24" S.Y. : SOLID YELLOW BARS (THERMOPLASTIC)
	SOLID WHITE STRAIGHT LEFT ARROW (THERMOPLASTIC)		SOLID WHITE STRAIGHT ARROW (THERMOPLASTIC)
	SOLID WHITE TURN ARROW LEFT & RIGHT (THERMOPLASTIC)		

DISCLAIMER

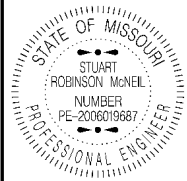
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	SOLID WHITE TURN ARROW LEFT & RIGHT (THERMOPLASTIC)		



DATE PREPARED
7/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	117

COUNTY
ST. LOUIS
JOB NO.
JSL0151
CONTRACT ID.

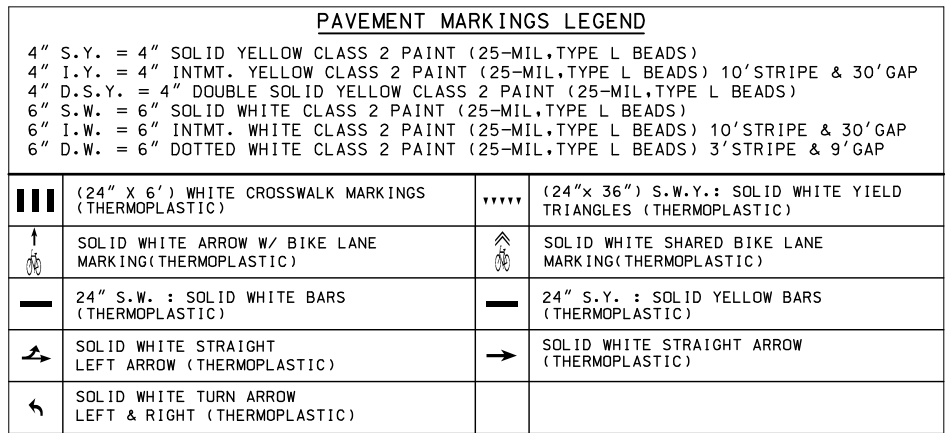
PROJECT NO.

BRIDGE NO.

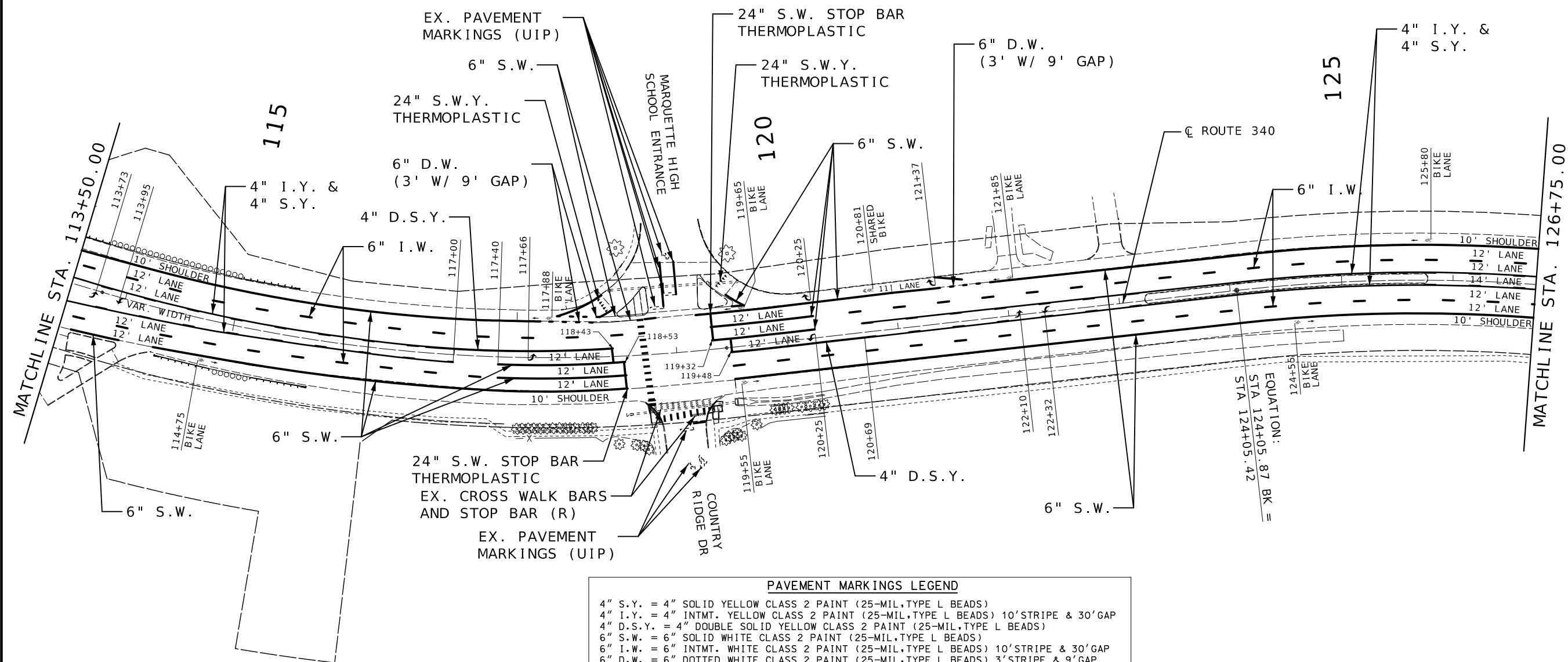
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

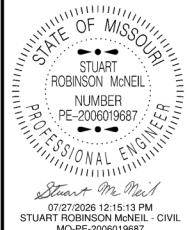
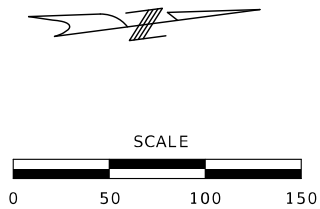


NOTE:
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	SOLID WHITE STRAIGHT LEFT ARROW (THERMOPLASTIC)		SOLID WHITE STRAIGHT ARROW (THERMOPLASTIC)
	SOLID WHITE TURN ARROW LEFT & RIGHT (THERMOPLASTIC)		EX. PAVEMENT MARKING REMOVAL (THERMOPLASTIC AND PAINT)



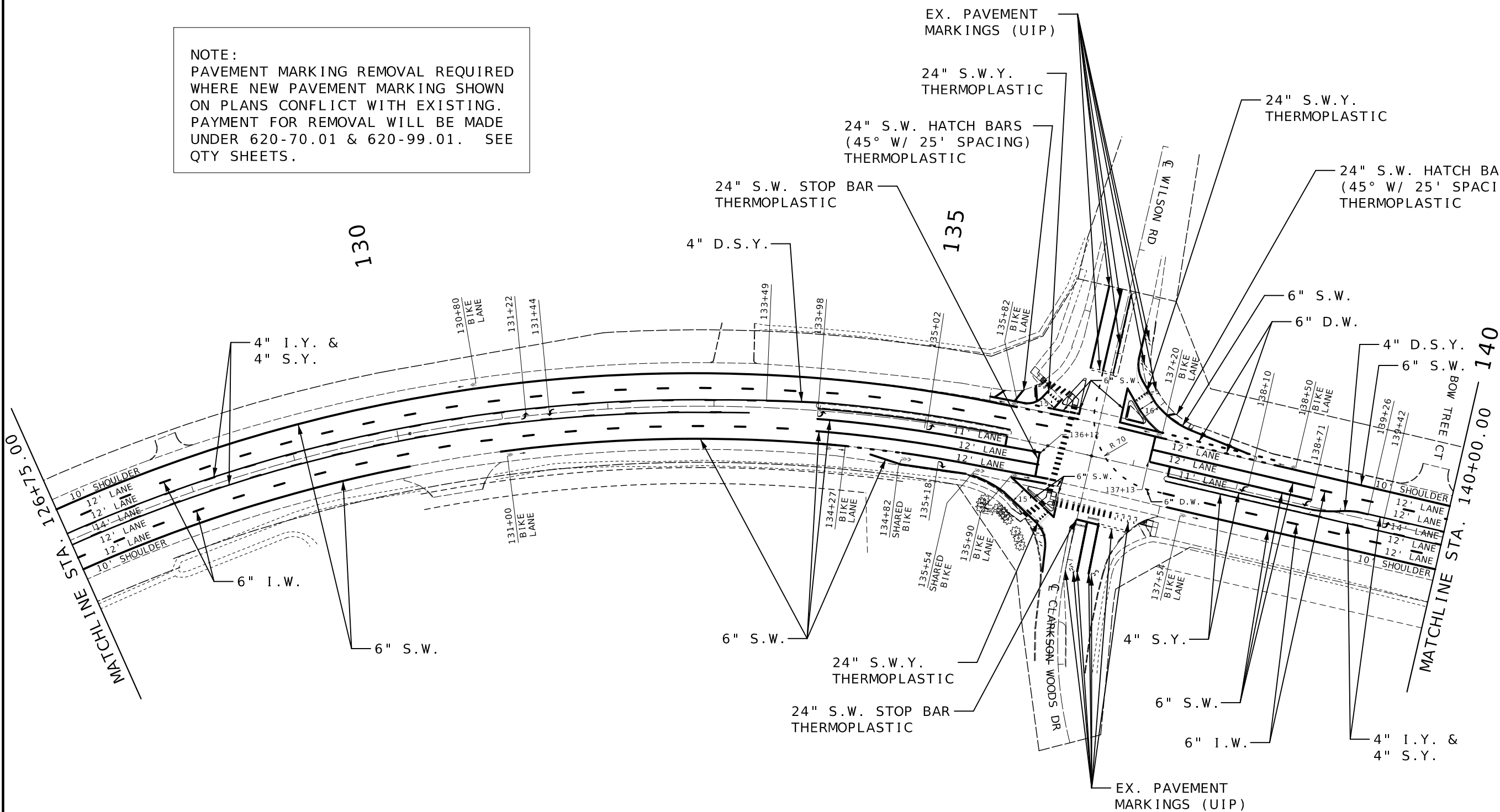
DATE PREPARED
7/24/2026
ROUTE
340
STATE
MO
DISTRICT
SL
SHEET NO.
121
COUNTY
ST. LOUIS
JOB NO.
JSL0151
CONTRACT ID.

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)
MoDOT logo

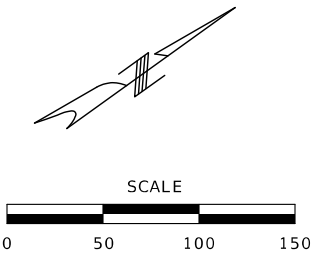
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PAVEMENT MARKING REMOVAL REQUIRED
WHERE NEW PAVEMENT MARKING SHOWN
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PAYMENT FOR REMOVAL WILL BE MADE
UNDER 620-70.01 & 620-99.01. SEE
QTY SHEETS.



PAVEMENT MARKINGS LEGEND

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	SOLID WHITE STRAIGHT LEFT ARROW (THERMOPLASTIC)		SOLID WHITE STRAIGHT ARROW (THERMOPLASTIC)
	SOLID WHITE TURN ARROW LEFT & RIGHT (THERMOPLASTIC)		EX. PAVEMENT MARKING REMOVAL (THERMOPLASTIC AND PAINT)

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DATE PREPARED
7/24/2026

ROUTE
340

STATE
MO

DISTRICT
SL

SHEET NO.
122

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

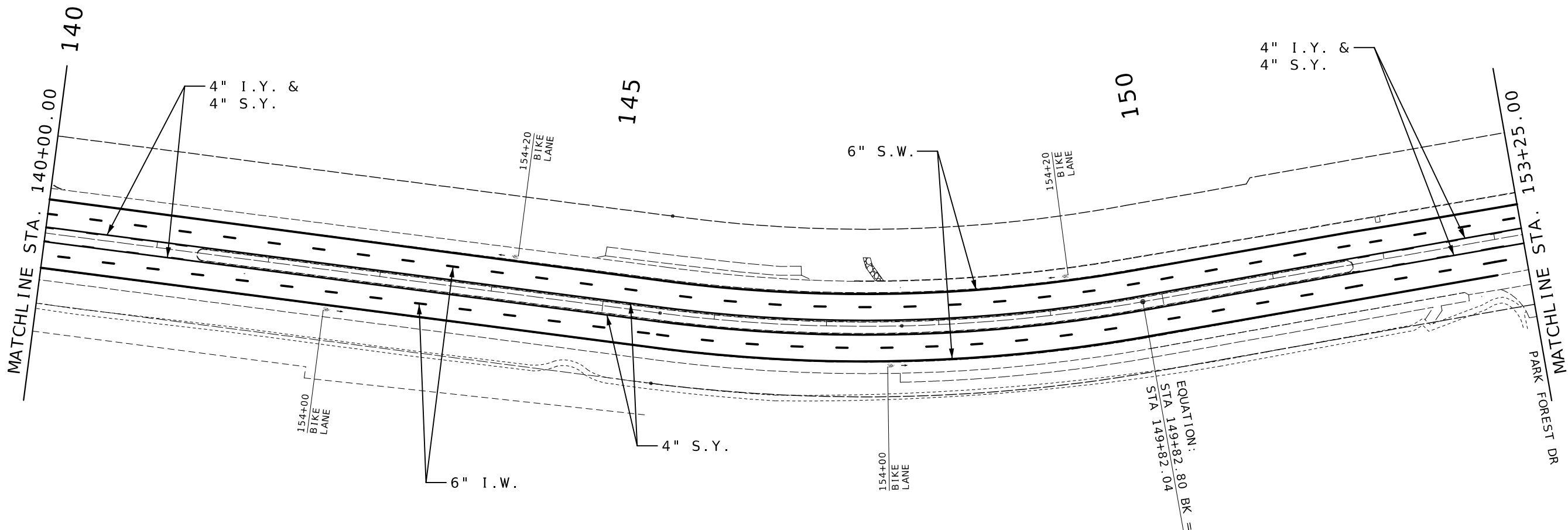
DATE

DATE

DATE

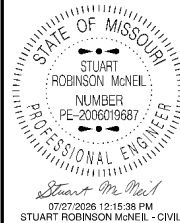
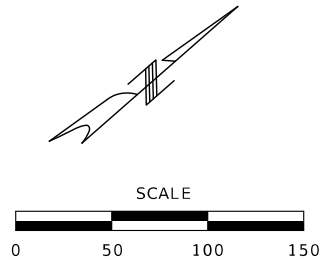
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PAVEMENT MARKINGS LEGEND			
4" S.Y. = 4" SOLID YELLOW CLASS 2 PAINT (25-MIL,TYPE L BEADS) 4" I.Y. = 4" INTMT. YELLOW CLASS 2 PAINT (25-MIL,TYPE L BEADS) 10'STRIPE & 30'GAP 4" D.S.Y. = 4" DOUBLE SOLID YELLOW CLASS 2 PAINT (25-MIL,TYPE L BEADS) 6" S.W. = 6" SOLID WHITE CLASS 2 PAINT (25-MIL,TYPE L BEADS) 6" I.W. = 6" INTMT. WHITE CLASS 2 PAINT (25-MIL,TYPE L BEADS) 10'STRIPE & 30'GAP 6" D.W. = 6" DOTTED WHITE CLASS 2 PAINT (25-MIL,TYPE L BEADS) 3'STRIPE & 9'GAP			
	(24" X 6') WHITE CROSSWALK MARKINGS (THERMOPLASTIC)		(24"x 36") S.W.Y.: SOLID WHITE YIELD TRIANGLES (THERMOPLASTIC)
	SOLID WHITE ARROW W/ BIKE LANE MARKING(THERMOPLASTIC)		SOLID WHITE SHARED BIKE LANE MARKING(THERMOPLASTIC)
	24" S.W. : SOLID WHITE BARS (THERMOPLASTIC)		24" S.Y. : SOLID YELLOW BARS (THERMOPLASTIC)
	SOLID WHITE STRAIGHT LEFT ARROW (THERMOPLASTIC)		SOLID WHITE STRAIGHT ARROW (THERMOPLASTIC)
	SOLID WHITE TURN ARROW LEFT & RIGHT (THERMOPLASTIC)		



DATE PREPARED 7/24/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 123
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	

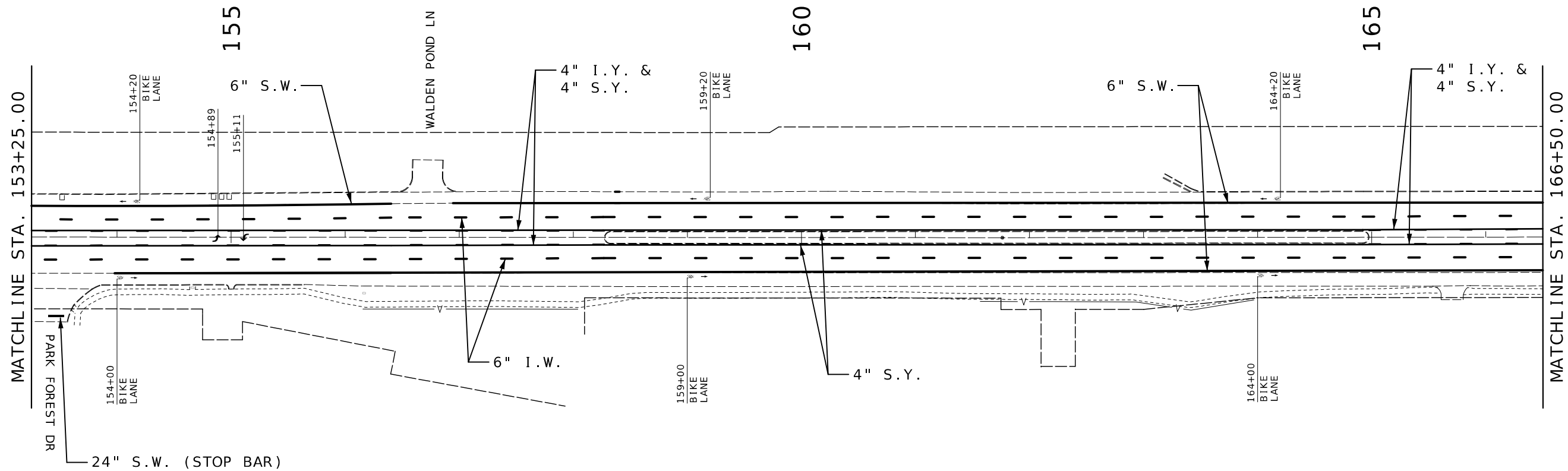
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

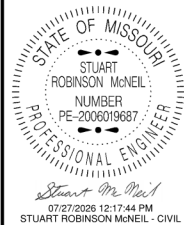
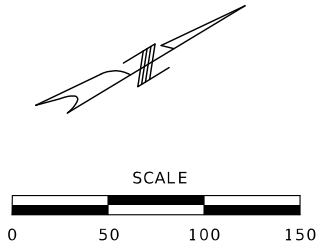


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	SOLID WHITE TURN ARROW LEFT & RIGHT (THERMOPLASTIC)		



DATE PREPARED 7/24/2026	
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DISTRICT SL	SHEET NO. 124
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

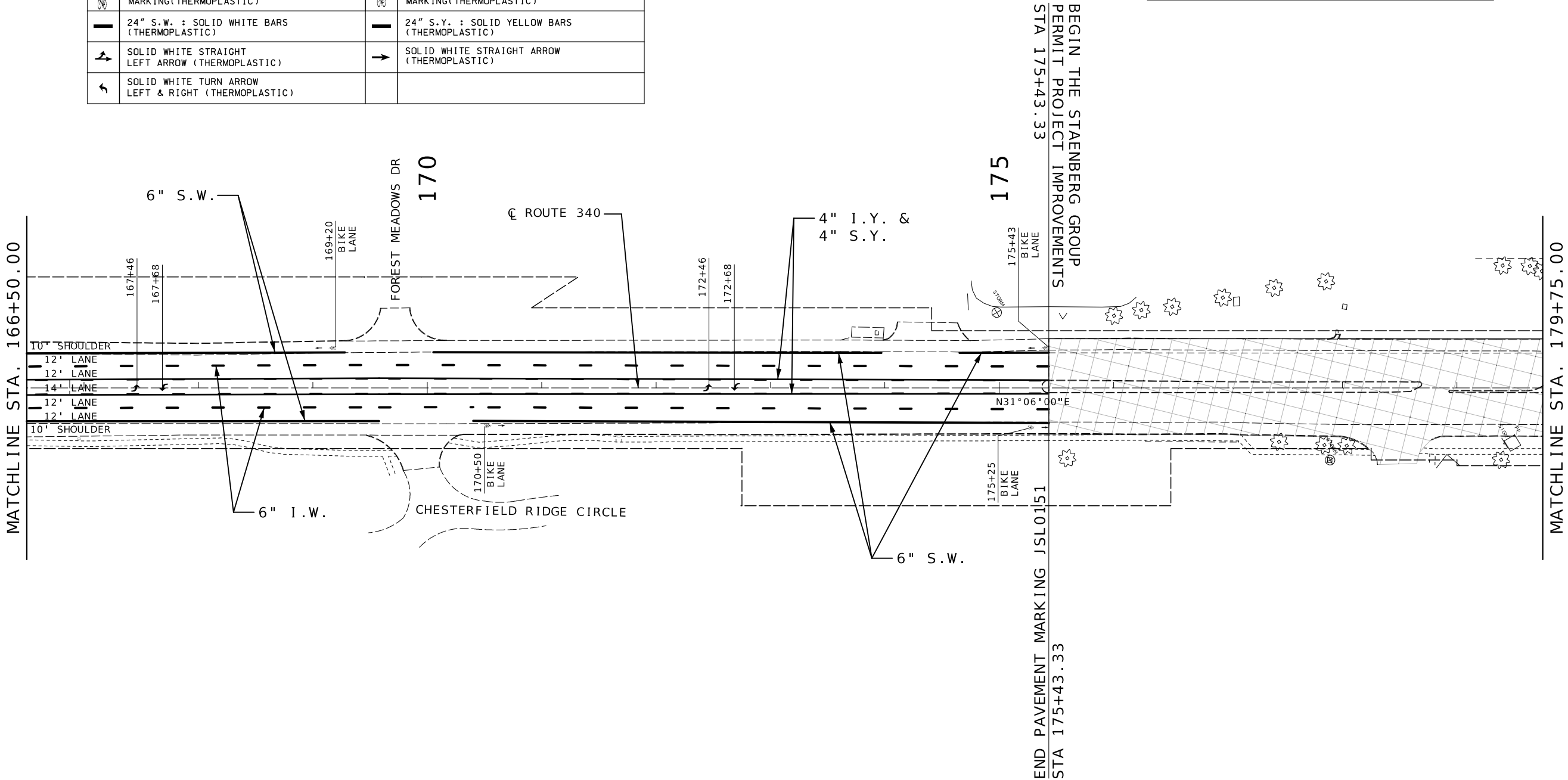
DESCRIPTION	DATE

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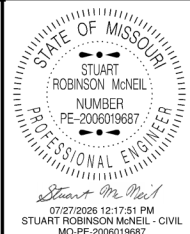
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NOTE :
SEE THE STAENBERG GROUP PERMIT
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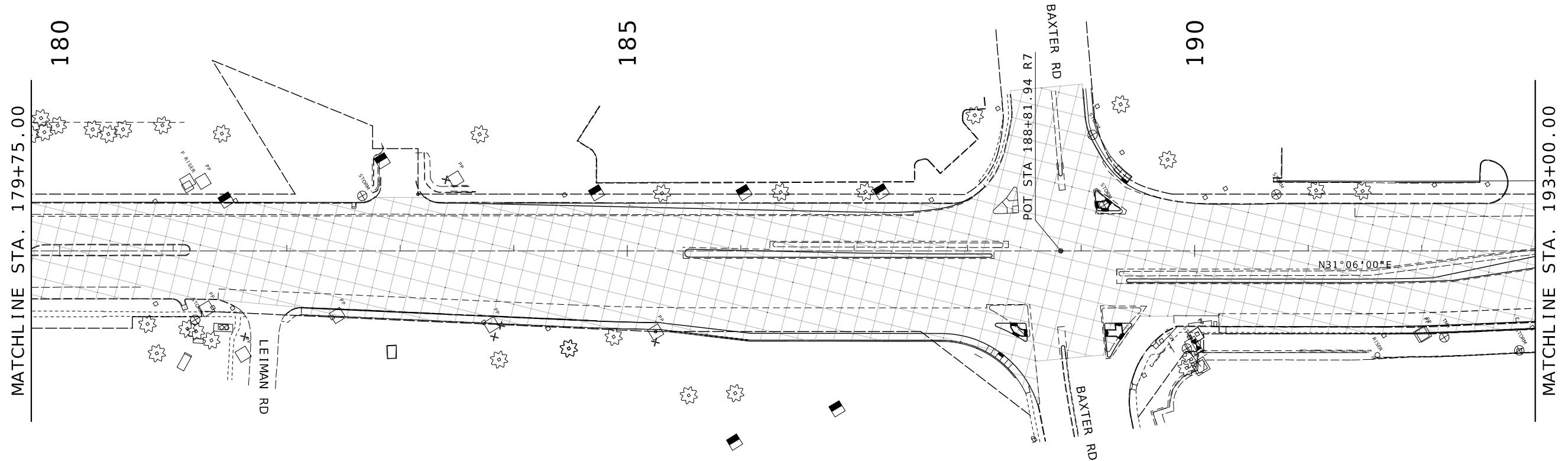


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ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 125
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	126

COUNTY
ST. LOUIS
JOB NO.
JSL0151
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

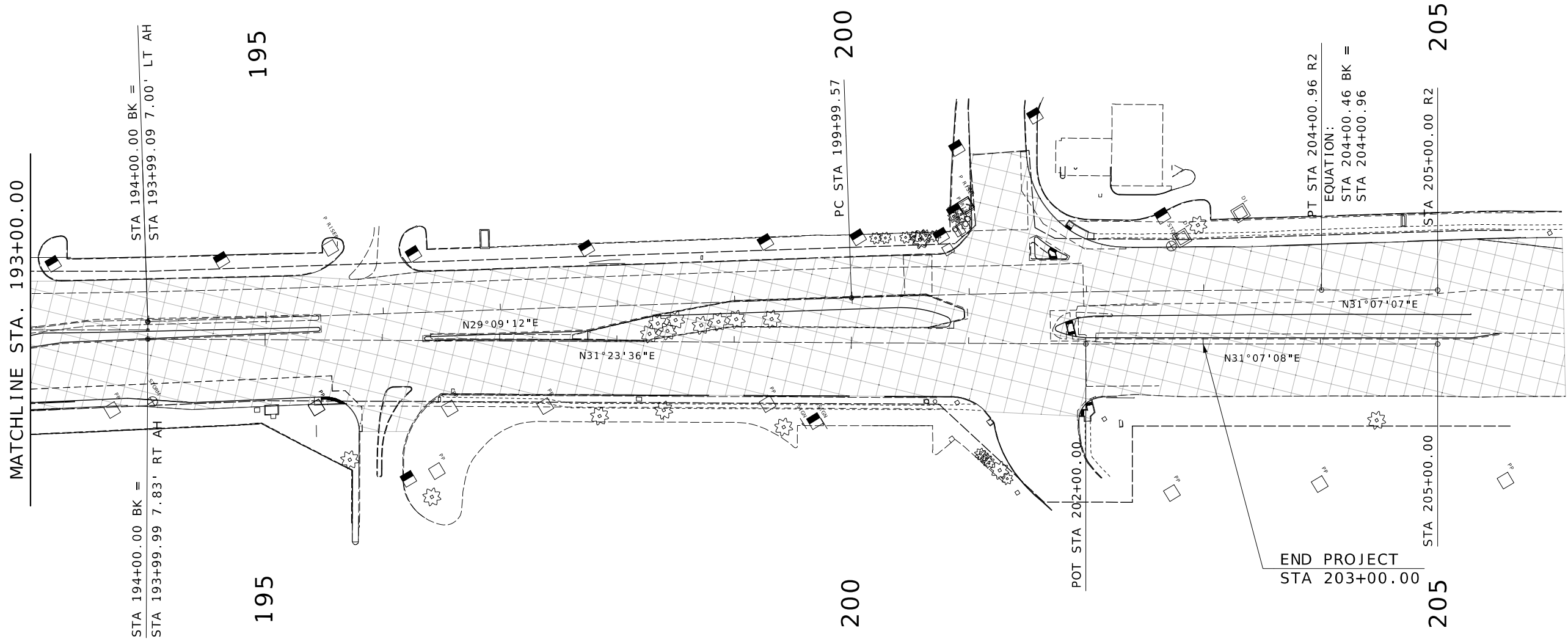
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COMMISSION



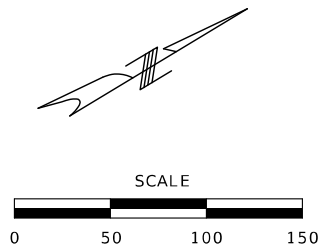
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PAVEMENT MARKING SHEET
SHEET 15 OF 16



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PROJECT NO.
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BASELINES SHOWN ON PLANS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT STAKED IN THE FIELD.

FOR SYSTEM COMMUNICATION REQUIREMENTS, SEE COMMUNICATION PLANS AND SPECIAL PROVISIONS.

ALL BRIDGE CONDUIT RUNS SHALL NOT EXCEED 270 OF BENDS. CONDUITS OR OTHER ENTERABLE FITTINGS SHALL BE INCLUDED IN COST OF CONDUIT.

CONTRACTOR SHALL MAINTAIN 2' CONDUIT CLEARANCE FROM ALL LANDSCAPED FEATURES EXISTING WITHIN THE RIGHT OF WAY. ANY LANDSCAPING DISTURBED DURING CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR.

CONTRACTOR SHALL COORDINATE THEIR ACTIVITIES WITH OTHER CONTRACTORS IN THE AREA.

THE MAINTAINING AGENCY IS THE MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION (MHTC).

ALL UTILITIES SHALL BE LOCATED AND MARKED PRIOR TO INITIATION OF CONSTRUCTION PER SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING UTILITIES AND LOCATOR SERVICES AND SCHEDULING THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL ALSO CONTACT ANY AND ALL UTILITIES AND LOCAL GOVERNMENT AGENCIES NOT PARTICIPATING IN LOCATION SERVICES.

PROPOSED ITS EQUIPMENT LOCATIONS ARE APPROXIMATE AND MAY BE MODIFIED TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS. THE CONTRACTOR SHALL RECEIVE APPROVAL FROM THE ENGINEER PRIOR TO REVISING THE LOCATION OF ANY OF THE ITS EQUIPMENT.

LOCATION OF ITS EQUIPMENT ON THE PLANS BY THE ENGINEER HAS BEEN PERFORMED WITHOUT FULL CONSIDERATION OF EXISTING UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ANY CONFLICTS WITH EXISTING UTILITIES AT SITES IN THE FIELD PRIOR TO INITIATION OF CONSTRUCTION PER SITE. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ENGINEER UPON DETERMINATION OF ANY UTILITY CONFLICTS.

ALL ITS EQUIPMENT CALLED OUT BY PLANS AND SPECIFICATIONS AS "INSTALL" EQUIPMENT, INCLUDING DETECTOR ASSEMBLIES, CCTV ASSEMBLIES, ETHERNET SWITCHES, AND DMS ASSEMBLIES, SHALL INCLUDE ALL TRANSPORTATION, INSTALLATION AND TESTING OF MISSOURI DEPARTMENT OF TRANSPORTATION FURNISHED EQUIPMENT IN ACCORDANCE WITH THE SPECIFICATIONS.

ALL TRAFFIC CONTROL PLANS AND LANE CLOSURES SHALL BE PRE-APPROVED BY THE ENGINEER.

ALL WORK SHALL INCLUDE THE RESTORATION OF ANY DISTURBED AREAS AS DIRECTED BY THE ENGINEER. ALL GRADING WORK SHALL PROVIDE POSITIVE DRAINAGE.

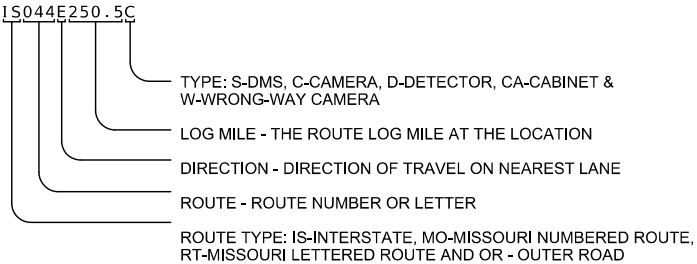
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY EXISTING CONDUIT, CONDUCTORS OR OTHER FACILITIES DAMAGED DURING CONSTRUCTION. ALL EXISTING IMPROVEMENTS NOT SPECIFICALLY IDENTIFIED AS BEING REMOVED OR RELOCATED IN THE PLANS THAT ARE DISTURBED OR OTHERWISE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR, WITH NO ADDITIONAL COMPENSATION.

THE PLANS DEPICT CONDUIT ROUTING IN SCHEMATIC FORM ONLY. THE CONTRACTOR SHALL DETERMINE FINAL ROUTING BASED ON ACTUAL FIELD CONDITIONS PRIOR TO CONSTRUCTION AT EACH SITE, INCLUDING UTILITY LOCATOR SERVICE MARKINGS, TO PREVENT CONFLICTS WITH EXISTING UTILITIES.

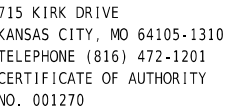
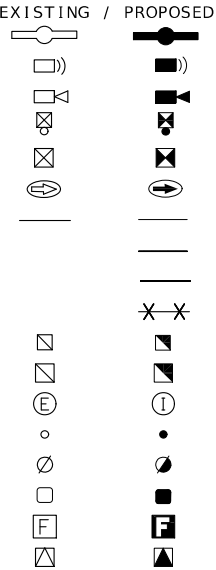
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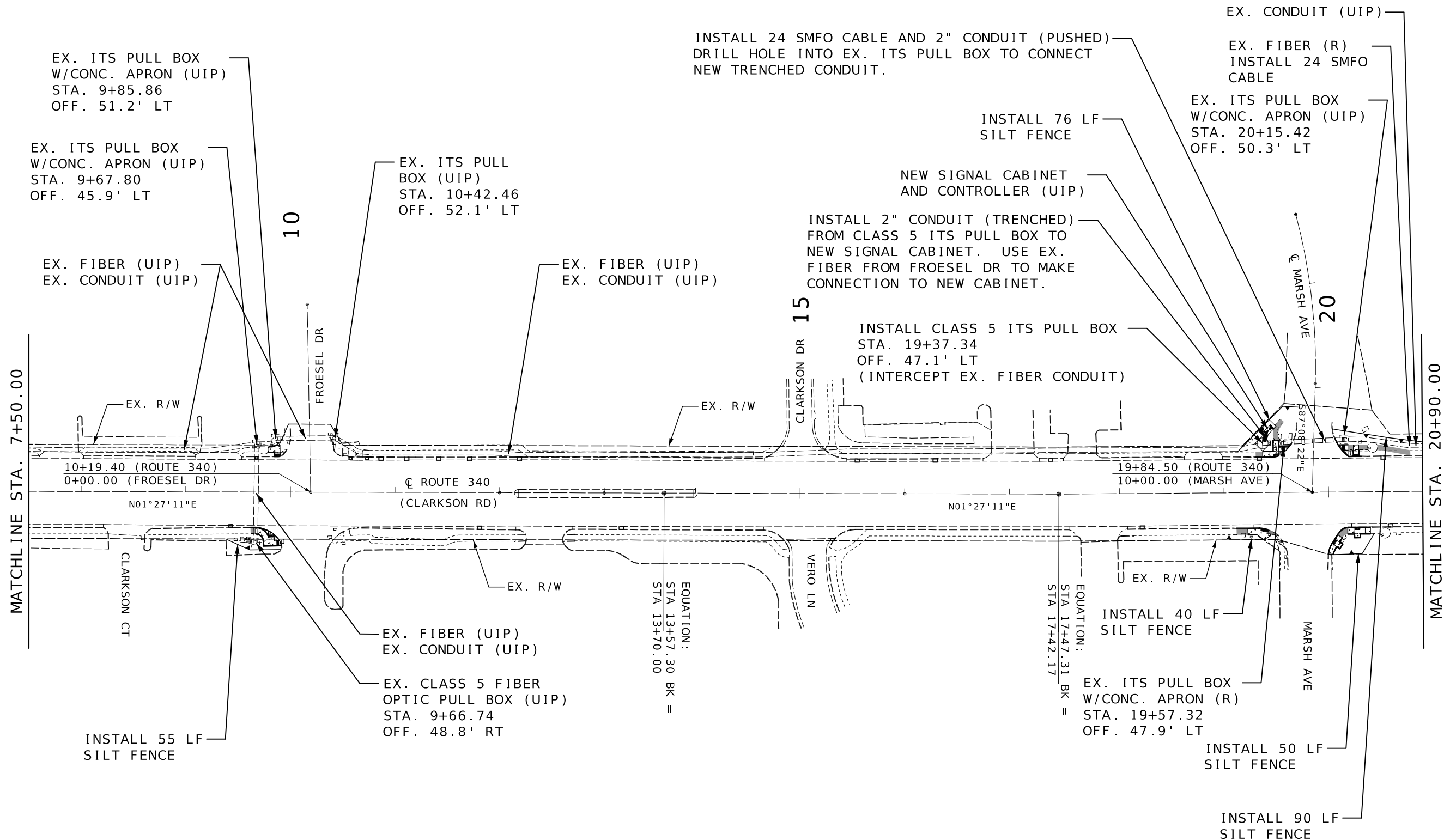
15. ALL CONDUITS SHALL BE NEW, SINGLE CELL CONDUITS ON BRIDGES SHALL BE RIGID GALVANIZED STEEL.
16. PULL ROPES ARE REQUIRED IN ALL EMPTY CONDUIT CELLS. PULL ROPES SHALL BE POLYPROPYLENE WITH A MINIMUM TENSILE STRENGTH OF 600 POUNDS.
17. THE CONTRACTOR SHALL FIELD REVIEW NECESSARY ROUTING, MOUNTING HARDWARE, INCLUDING BRIDGE HANGERS, FITTINGS, EXPANSION JOINTS AND JUNCTION BOXES FOR ALL EXTERNALLY MOUNTED CONDUITS PRIOR TO SUBMITTAL OF BID TO DETERMINE THE TYPES AND EXTENT OF INCIDENTAL ITEMS TO BE INCLUDED IN THE UNIT PRICE OF CONDUIT.
18. THE CONTRACTOR SHALL FIELD REVIEW NECESSARY ROUTING OF CONDUIT AND LOCATION OF PULL BOXES PRIOR TO SUBMITTAL OF BID TO DETERMINE THE TYPES AND EXTENT OF INCIDENTAL REMOVAL, RELOCATION AND REPLACEMENT ITEMS TO BE INCLUDED IN THE UNIT PRICE OF CONDUIT AND PULL BOXES.
19. WARNING TAPE IS REQUIRED IN ALL TRENCHES CONTAINING CONDUIT.
20. JACKETED #14 AWG XHHW-2 SOLID BLUE LOCATOR WIRE SHALL BE PLACED IN ALL UNDERGROUND NON-METALLIC CONDUITS BONDED TO GROUNDING RODS WITHIN A PULL BOX. APPROVED LOCATOR WIRE SHALL BE MOUNTED TO THE SIDE WALL OF EACH PULL BOX.
21. CONTRACTOR MAY BORE OR HORIZONTALLY DRILL WHEREVER TRENCHING IS SHOWN AT THE CONTRACTOR'S EXPENSE.
22. GROUND CONDUCTOR SHALL BE 1/C #6 UNLESS OTHERWISE NOTED ON THE PLANS.
23. EXPANSION FITTING SHALL BE PROVIDED WHEN CONDUIT PASSES ACROSS EXISTING EXPANSION DEVICES AND FILLED JOINTS ON BRIDGES INCLUDING FILLED JOINTS IN SAFETY BARRIER CURBS. THE DISTANCE BETWEEN EXPANSION FITTINGS SHALL NOT BE GREATER THAN 150 FEET. EXPANSION FITTINGS ON CONDUIT SHALL PROVIDE A MINIMUM MOVEMENT IN EITHER DIRECTION OF 4" AT OPEN JOINTS, BETWEEN ABUTMENT AND SUPER-STRUCTURES ENCOUNTERED AFTER RISING OUT OF THE GROUND AND 2" AT FILLED JOINTS. EXPANSION FITTINGS SHALL BE PROVIDED WITH A 2" BONDING JUMPER AROUND FITTING. BONDING JUMPER SHALL BE COMPATIBLE WITH CONDUIT MATERIAL. LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE USED IN LOCATIONS WHERE CONDUIT CROSSES OVER BRIDGE SUPERSTRUCTURE, SUBSTRUCTURE OR SIGN STRUCTURES, OR AS OTHERWISE SHOWN IN THE PLANS.
24. THE GALVANIZED CONE EXPANSION ANCHOR SYSTEM SHALL BE USED FOR ATTACHING CONDUIT SUPPORTS AND JUNCTION BOXES TO STRUCTURAL CONCRETE.
25. ALL GROUNDING SYSTEMS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
26. SLACK FIBER OPTIC CABLE SHALL BE STORED ACCORDING TO THE SPECIAL PROVISIONS. AT LEAST 20' OF SLACK FIBER OPTIC CABLE SHALL BE STORED IN ALL CLASS 2 PULL BOXES. 60' OF SLACK CABLE SHALL BE STORED IN ALL CLASS 5 PULL BOXES. IF THE PULL BOX NEAREST A CABINET IS A CLASS 2 PULL BOX, 60 FEET OF SLACK CABLE IS REQUIRED FOR EACH CABLE. STORE SLACK IN OTHER ADJACENT PULL BOXES IF NEEDED.
27. THE LOG MILE SYSTEM USED FOR THE NAMING CONVENTION OF THE DEVICES REFLECTS THE WEST TO EAST AND NORTH TO SOUTH CONTINUOUS LOG CONVENTION USED FOR THE INTERSTATE SYSTEM, BEGINNING WITH 0 AT THE WEST AND SOUTH ENDS OF A ROUTE.
28. THE CONTRACTOR SHALL MAINTAIN POWER AND COMMUNICATIONS TO EXISTING ITS DEVICES. THE ONLY EXCEPTION SHALL BE WHEN THE CONTRACTOR IS REPLACING A DMS, MODIFYING ELECTRICAL CIRCUITS OR MODIFYING FIBER OPTIC NETWORK CONNECTIONS. NOTIFY THE ENGINEER AT LEAST 7 DAYS BEFORE EXISTING DMS ARE TAKEN OUT OF SERVICE.

- LOG MILE ID



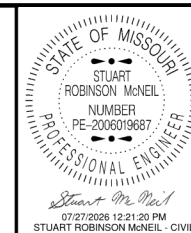
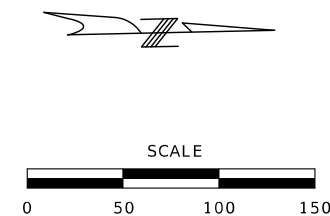
DYNAMIC MESSAGE SIGN
DETECTOR, MICROWAVE
DCCTV CAMERA
POLE-MOUNTED FIELD TERMINAL CABINET
BASE-MOUNTED FIELD TERMINAL CABINET
DETECTION ZONE
CONDUIT, TRENCH
CONDUIT, DIRECTIONAL DRILL
CONDUIT, EXTERNAL ON STRUCTURE
CONDUIT, ABANDON
PULLBOX, CLASS 1 PREFORMED
CLASS 2 ITS PULLBOX
CLASS 5 ITS PULLBOX
POLE
POWER SUPPLY PEDESTAL
WIRELESS ACCESS POINT
FIBER DELINEATOR
UNINTERRUPTIBLE POWER SUPPLY (UPS)
ACRONYMS: (R)-REMOVAL & (UIP)-USE





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- NOTES:
1. LOCATION OF EXISTING FIBER CONDUIT IS APPROXIMATE.
 2. ALL NEW FIBER IS 24-SINGLE MODE.
 3. FOR ITS EQUIPMENT DETAILS AT INTERSECTIONS SEE CORRESPONDING SIGNAL PLAN SHEETS.

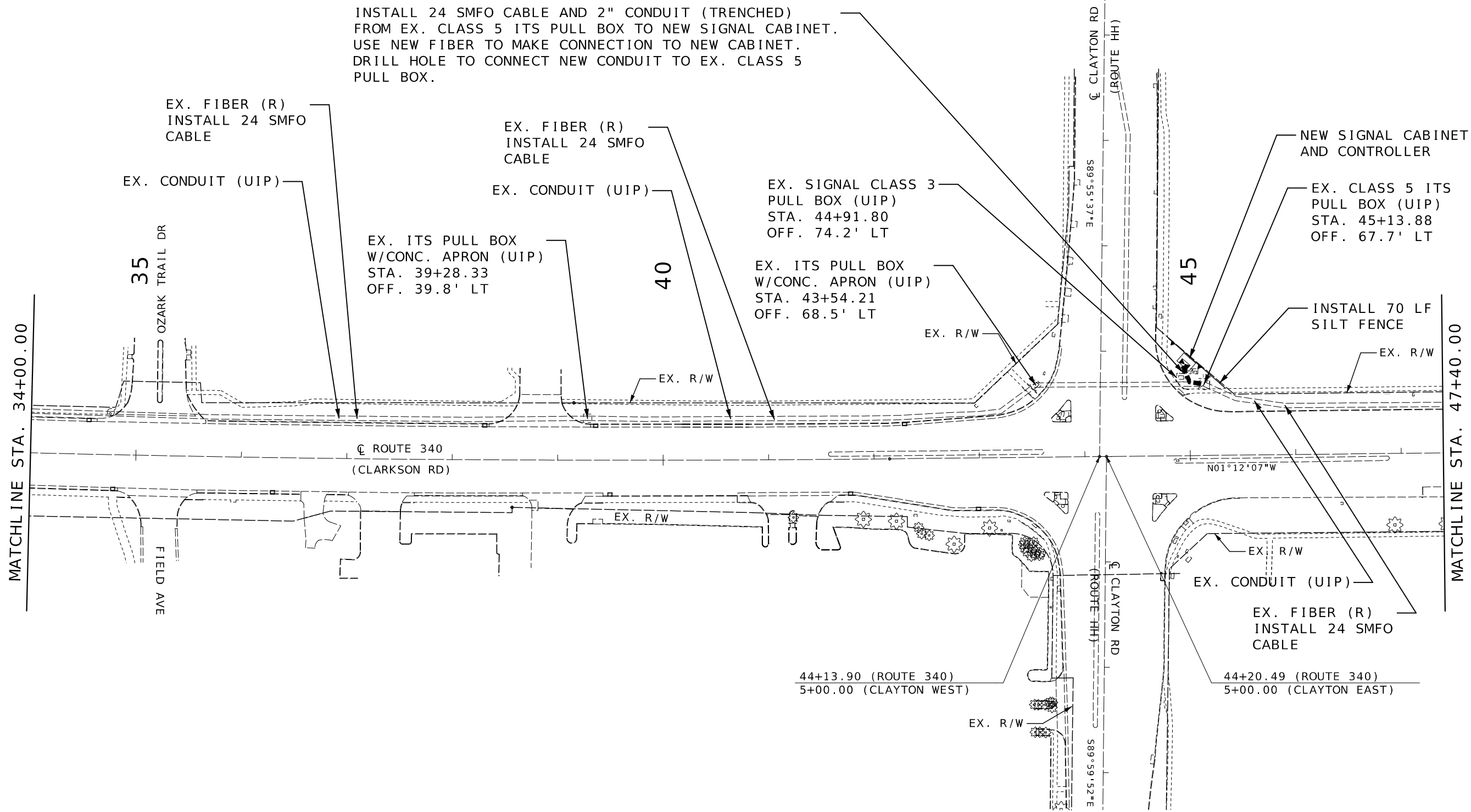


DATE PREPARED 7/26/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 130
COUNTY ST. LOUIS	
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CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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INSTALL 24 SMFO CABLE AND 2" CONDUIT (TRENCHED)
FROM EX. CLASS 5 ITS PULL BOX TO NEW SIGNAL CABINET.
USE NEW FIBER TO MAKE CONNECTION TO NEW CABINET.
DRILL HOLE TO CONNECT NEW CONDUIT TO EX. CLASS 5
PULL BOX.

EX. FIBER (R)
INSTALL 24 SMFO
CABLE

EX. FIBER (R)
INSTALL 24 SMFO
CABLE

EX. SIGNAL CLASS 3
PULL BOX (UIP)
STA. 44+91.80
OFF. 74.2' LT

EX. ITS PULL BOX
W/CONC. APRON (UIP)
STA. 43+54.21
OFF. 68.5' LT

NEW SIGNAL CABINET
AND CONTROLLER

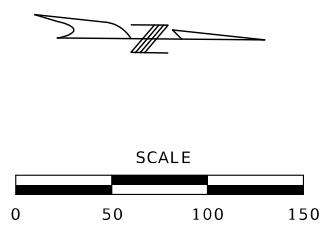
EX. CLASS 5 ITS
PULL BOX (UIP)
STA. 45+13.88
OFF. 67.7' LT

INSTALL 70 LF
SILT FENCE

EX. FIBER (R)
INSTALL 24 SMFO
CABLE

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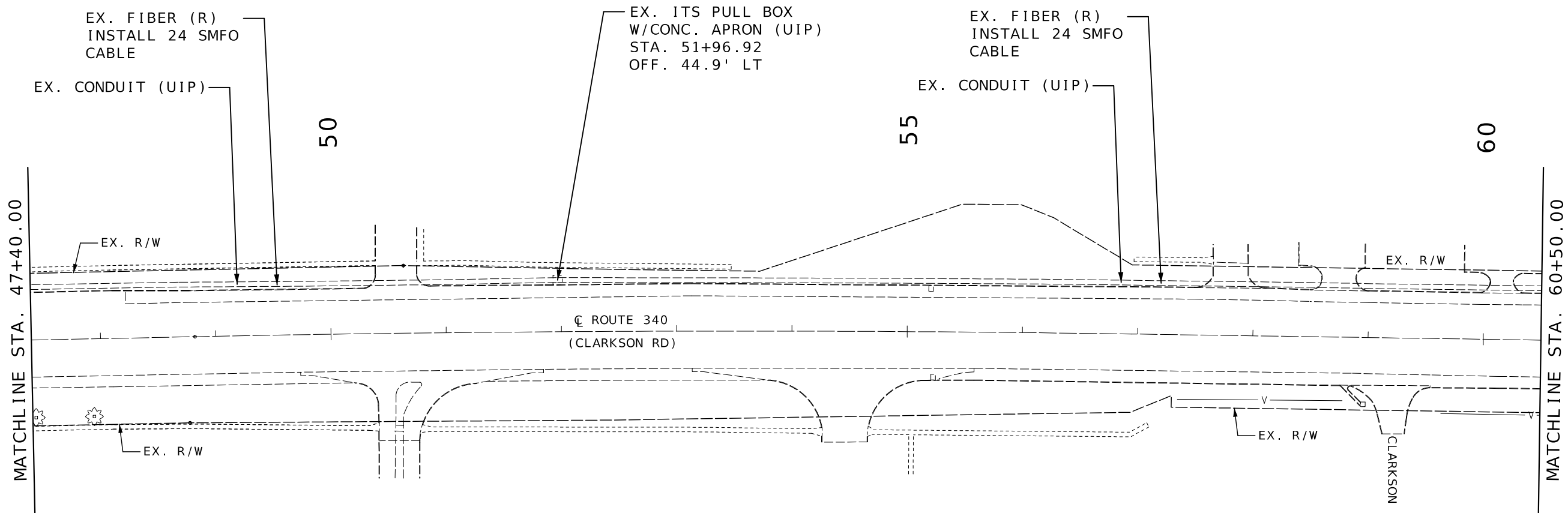


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DISTRICT SL	SHEET NO. 132
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

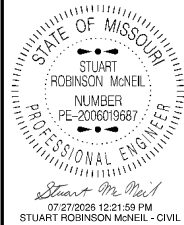
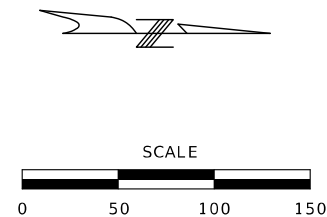
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ROUTE 340 STATE MO

DISTRICT SL SHEET NO. 133

COUNTY ST. LOUIS

JOB NO. JSL0151

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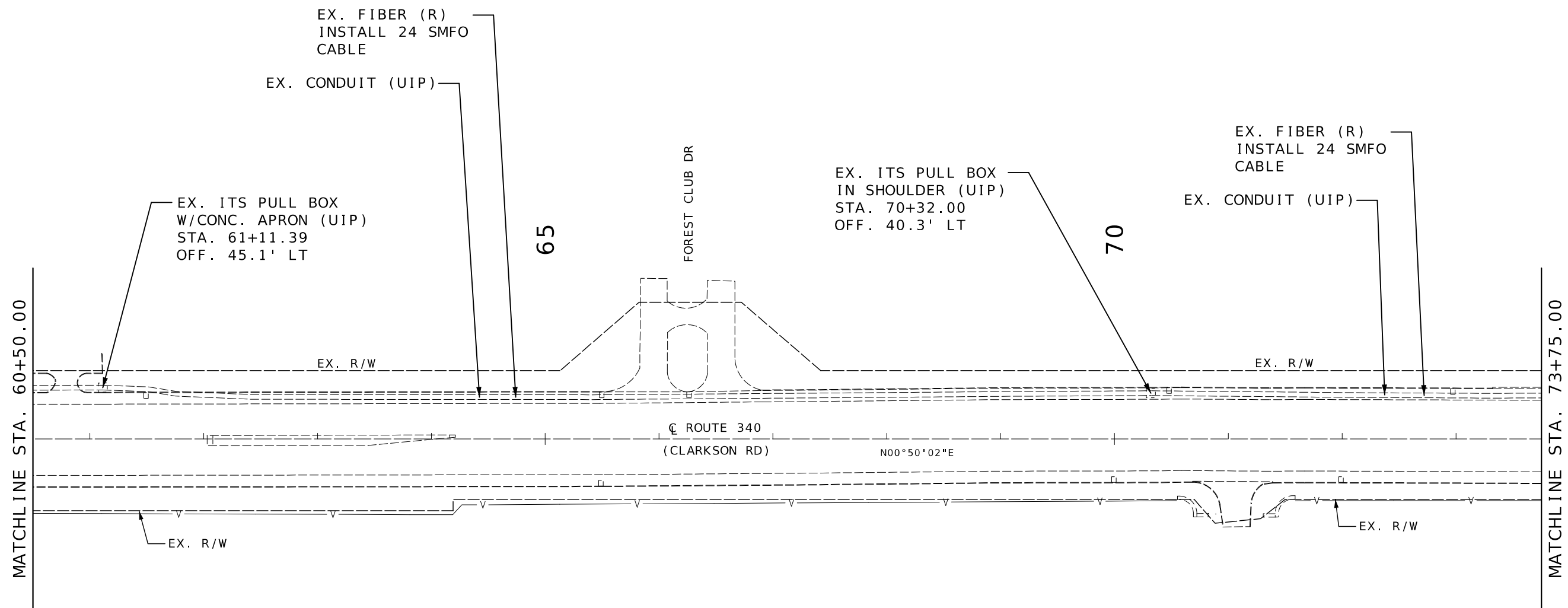
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

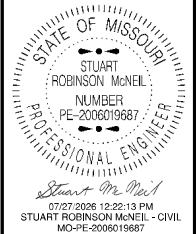
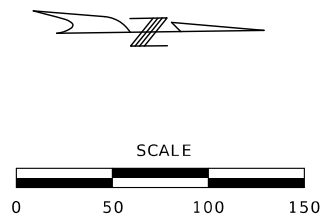
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



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- NOTES:
1. LOCATION OF EXISTING FIBER CONDUIT IS APPROXIMATE.
 2. ALL NEW FIBER IS 24-SIGNAL MODE.
 3. FOR ITS EQUIPMENT DETAILS AT INTERSECTIONS SEE CORRESPONDING SIGNAL PLAN SHEETS.

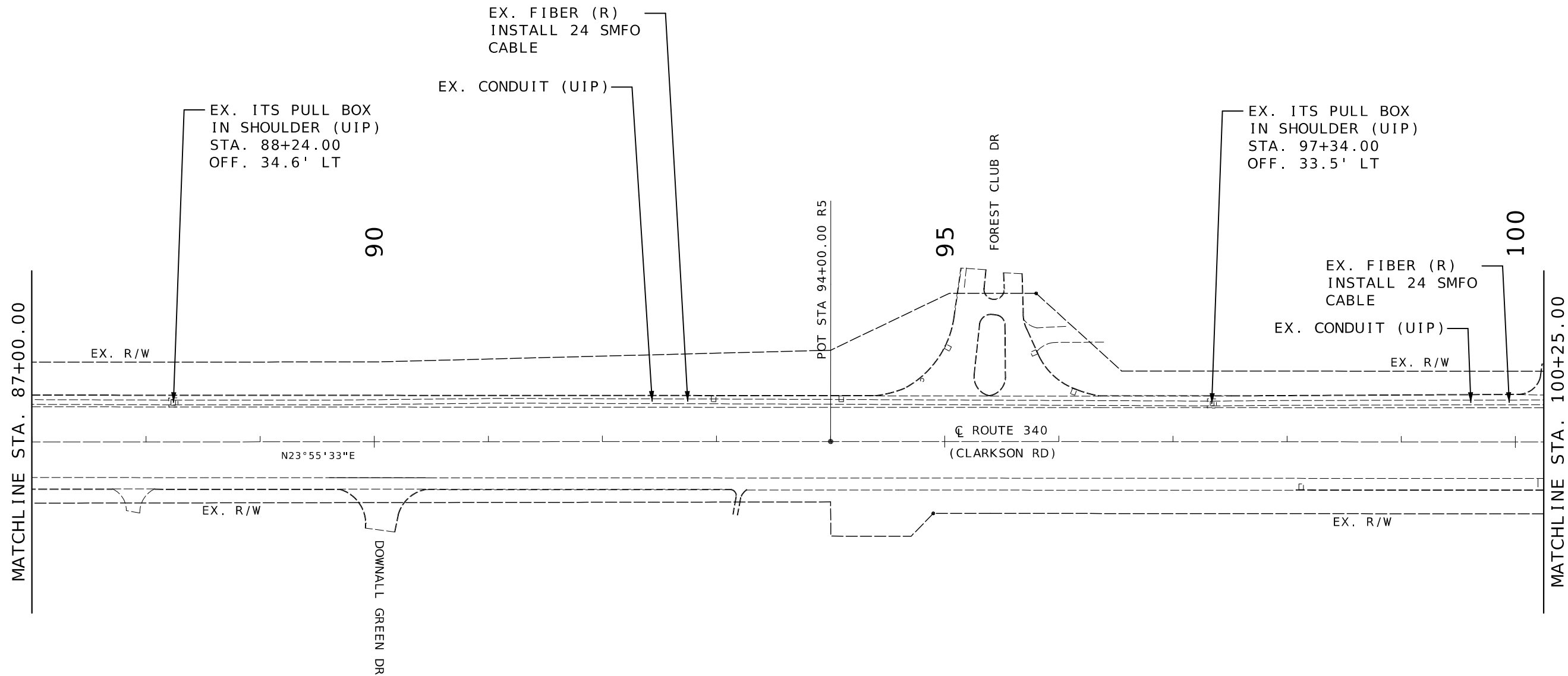


DATE PREPARED 7/26/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 134
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

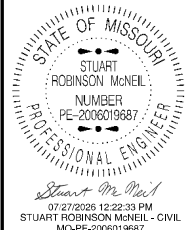
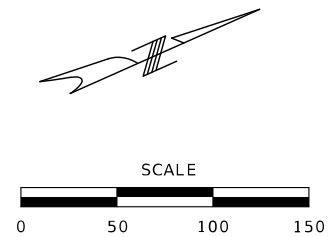
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



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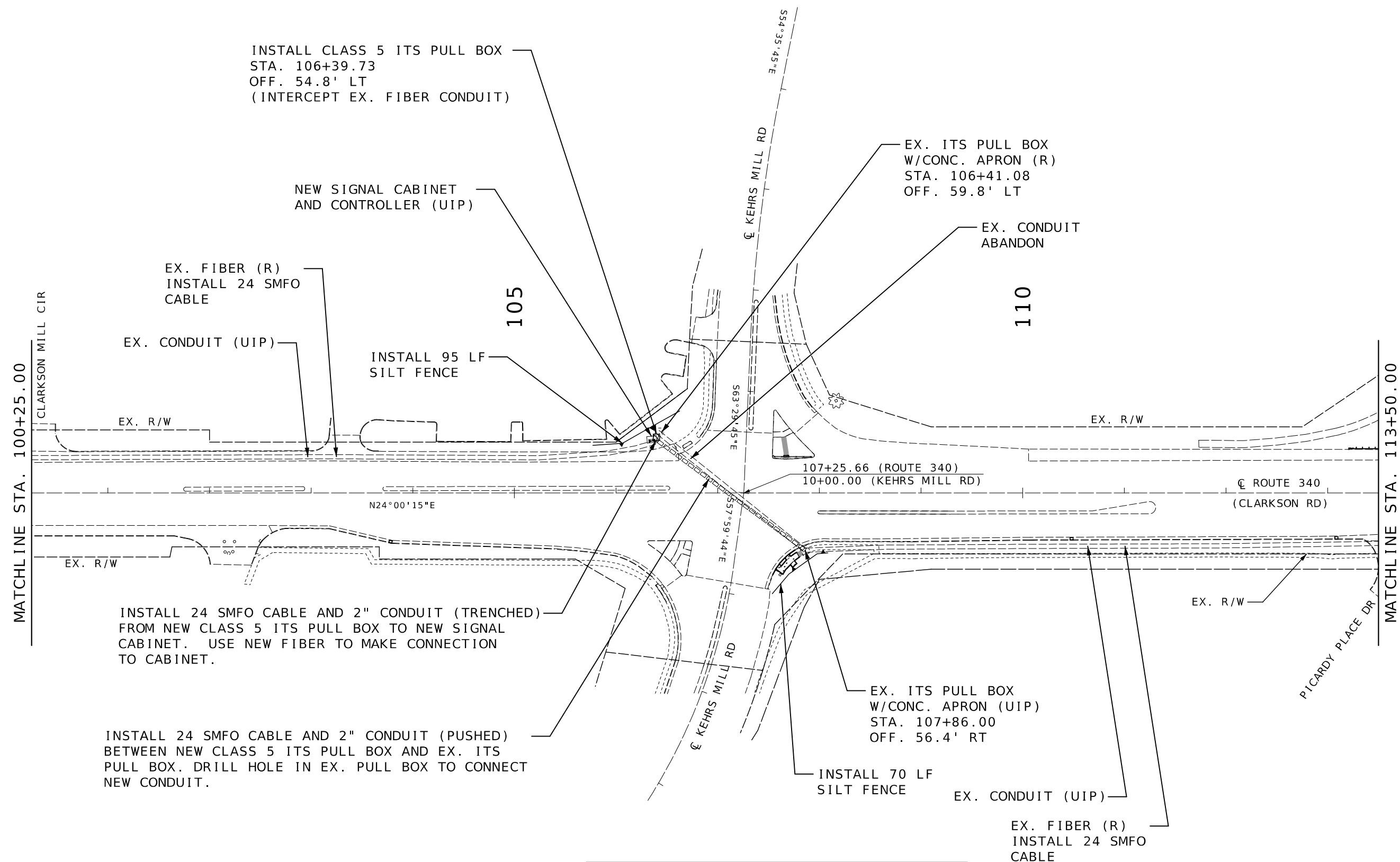


DATE PREPARED 7/26/2026	
ROUTE 340	STATE MO
DISTRICT SL	SHEET NO. 136
COUNTY ST. LOUIS	
JOB NO. JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

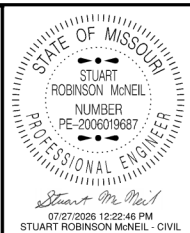
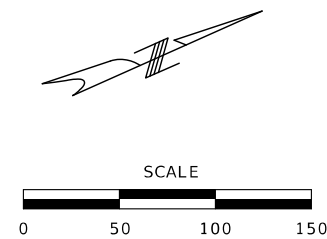
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



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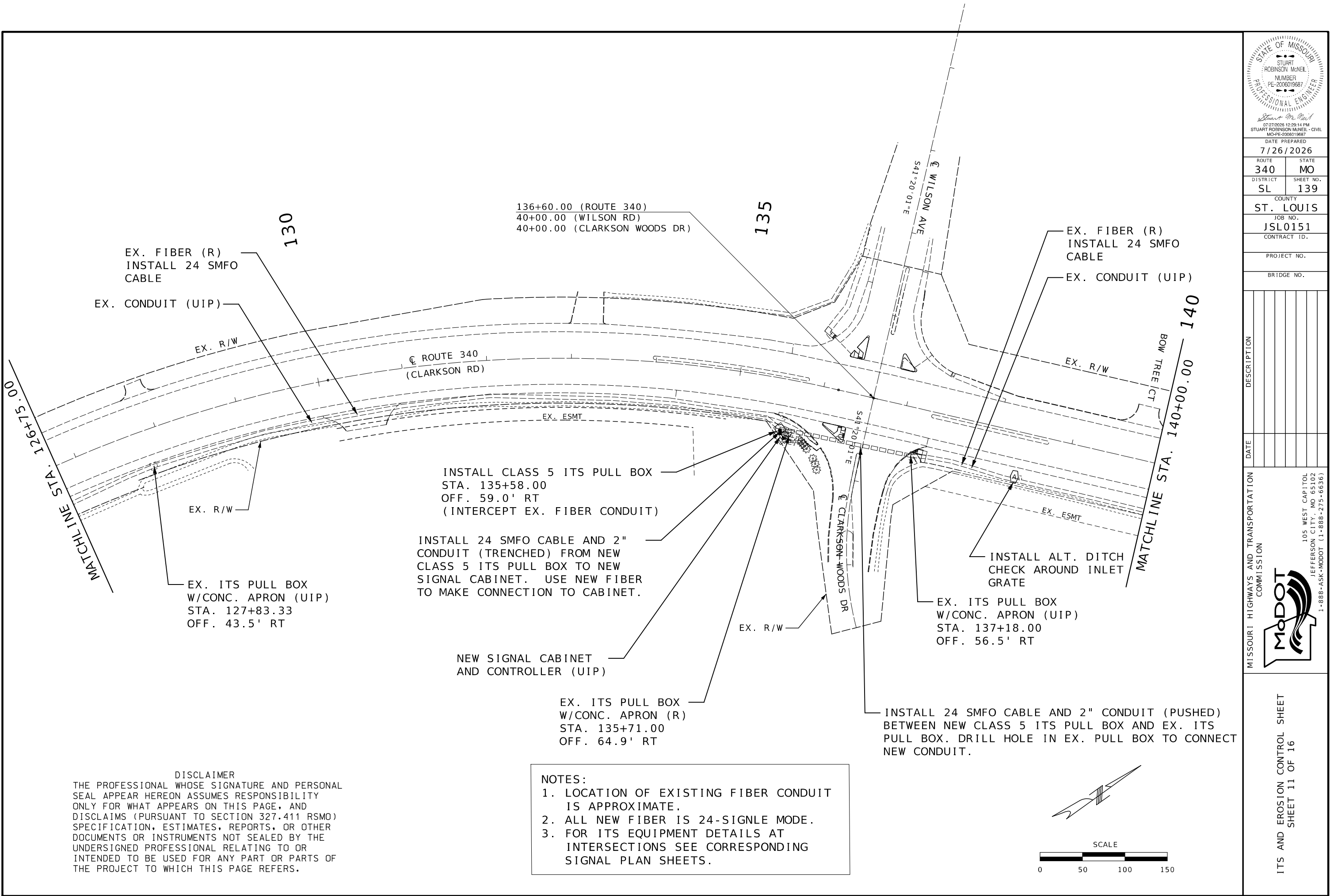


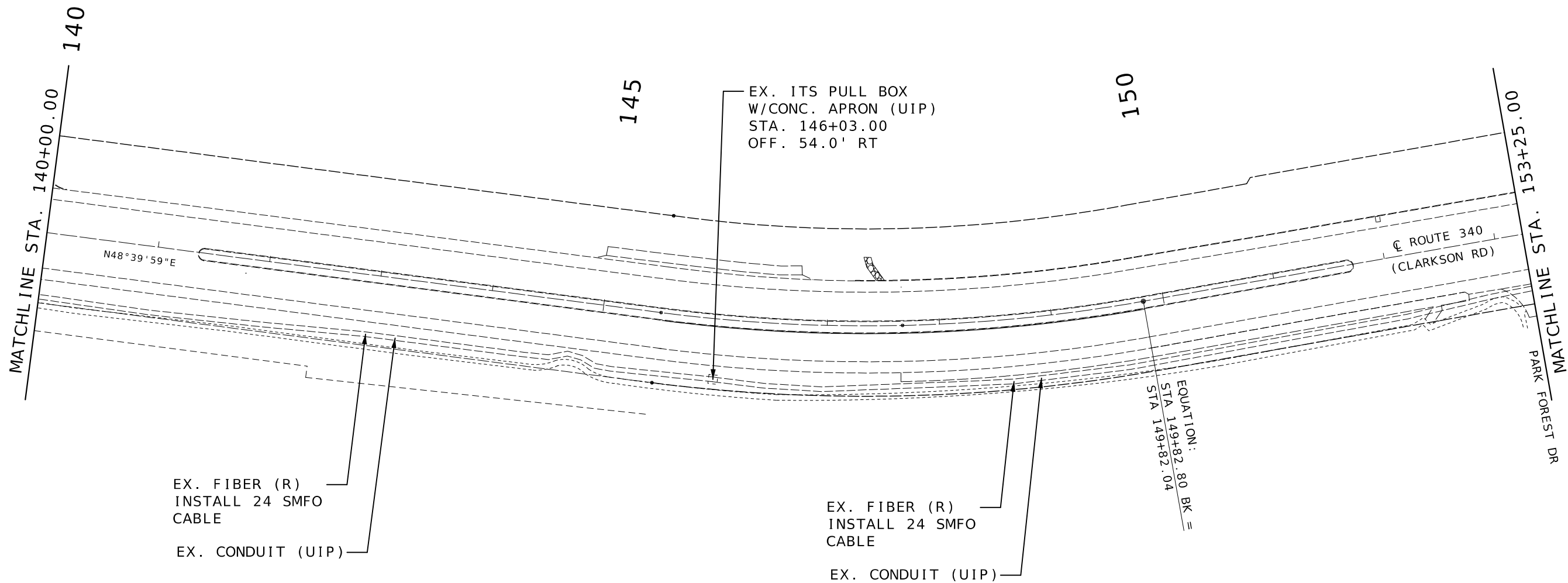
DATE PREPARED	
7/26/2026	
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	137
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

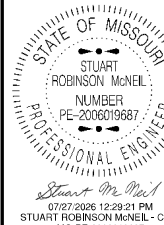
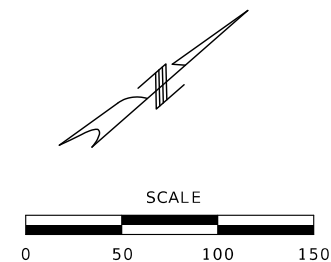
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DATE PREPARED
7/26/2026

ROUTE 340 STATE MO

DISTRICT SL SHEET NO. 140

COUNTY ST. LOUIS

JOB NO. JSL0151

CONTRACT ID.

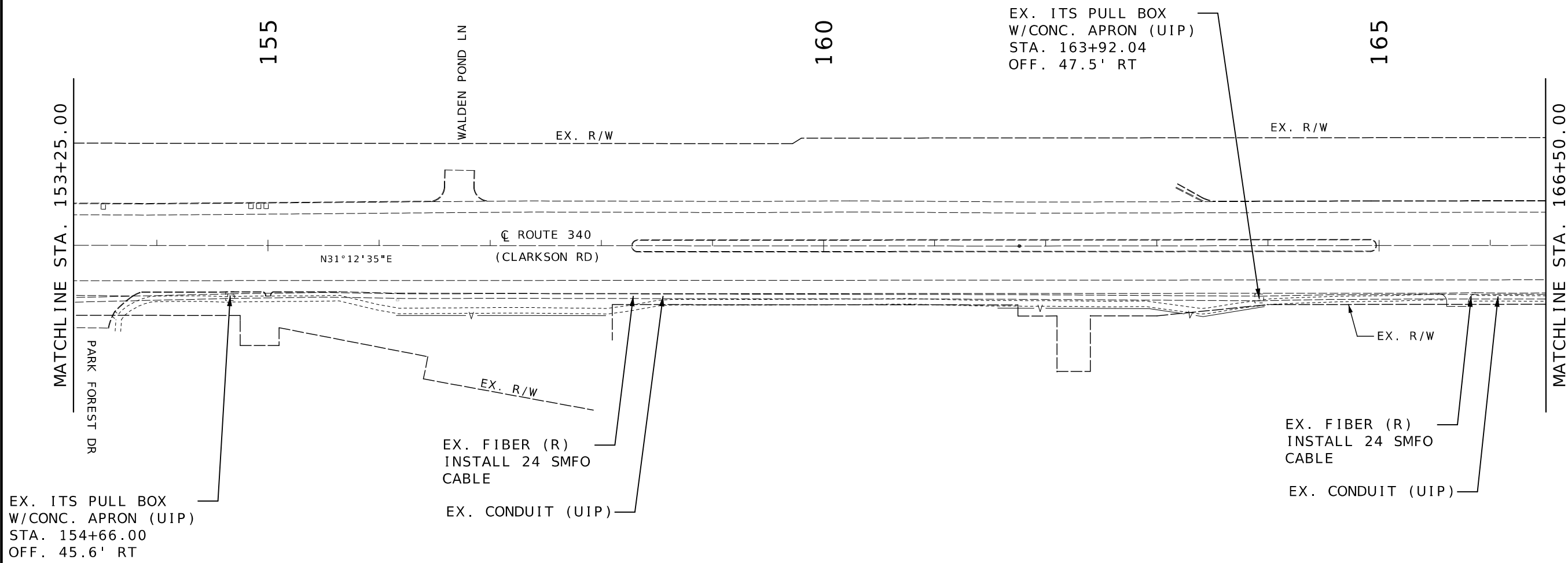
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

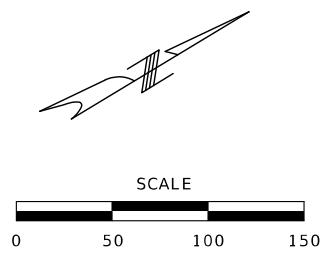


ITS AND EROSION CONTROL SHEET
SHEET 12 OF 16



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STATE OF MISSOURI

STUART ROBINSON McNEIL

NUMBER

PE-2006019687

PROFESSIONAL ENGINEER

07/27/2026 12:29:30 PM

STUART ROBINSON McNEIL - CIVIL

MO PE 2006019687

DATE PREPARED

7/26/2026

ROUTE

340

DISTRICT

SL

COUNTY

ST. LOUIS

JOB NO.

JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

ITS AND EROSION CONTROL SHEET
SHEET 13 OF 16

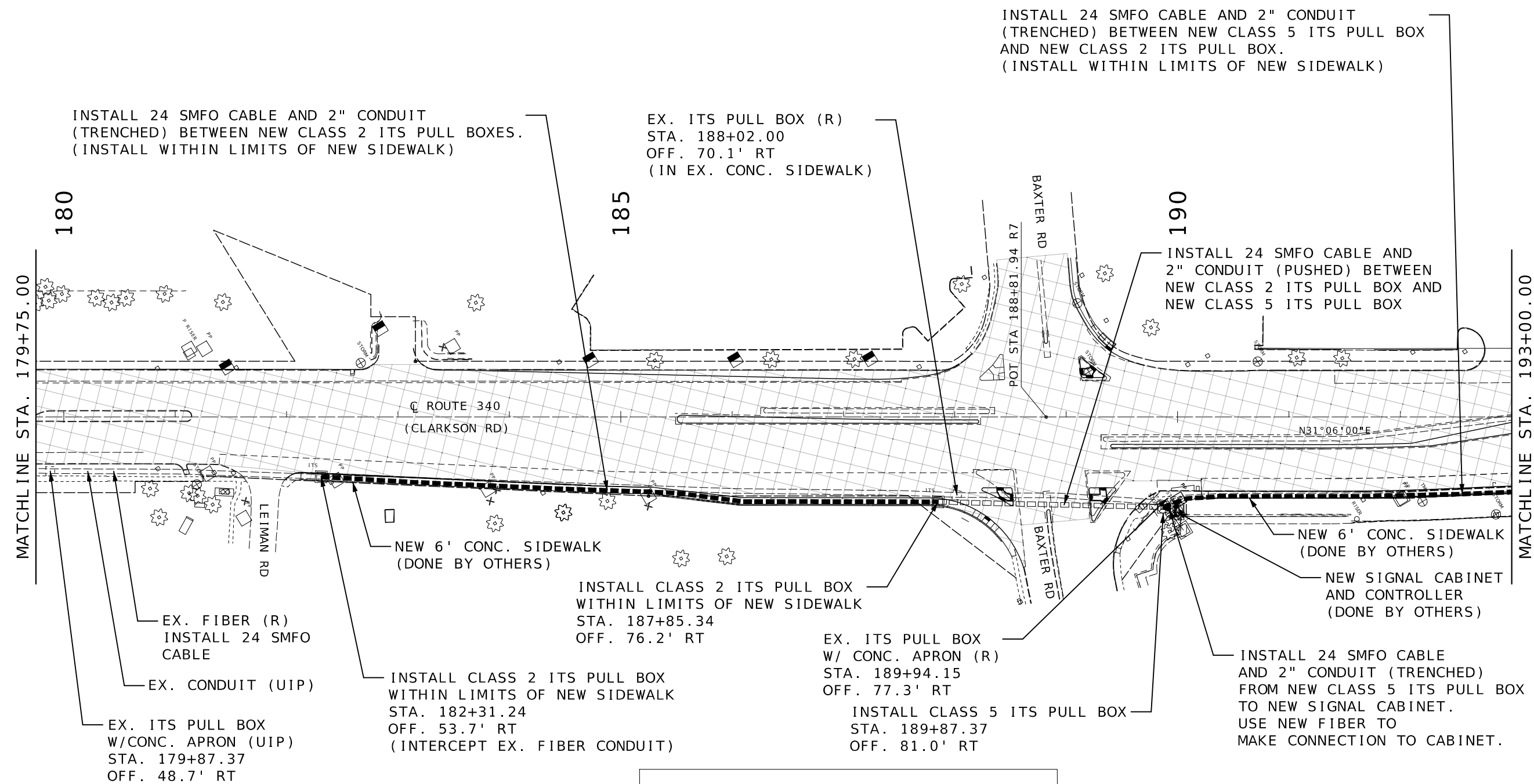
DATE PREPARED	
7/26/2026	
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	143
COUNTY	
ST. LOUIS	
JOB NO.	
JSL0151	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

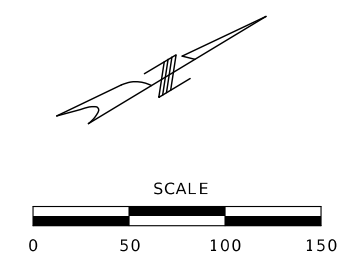
ITS AND EROSION CONTROL SHEET
SHEET 15 OF 16



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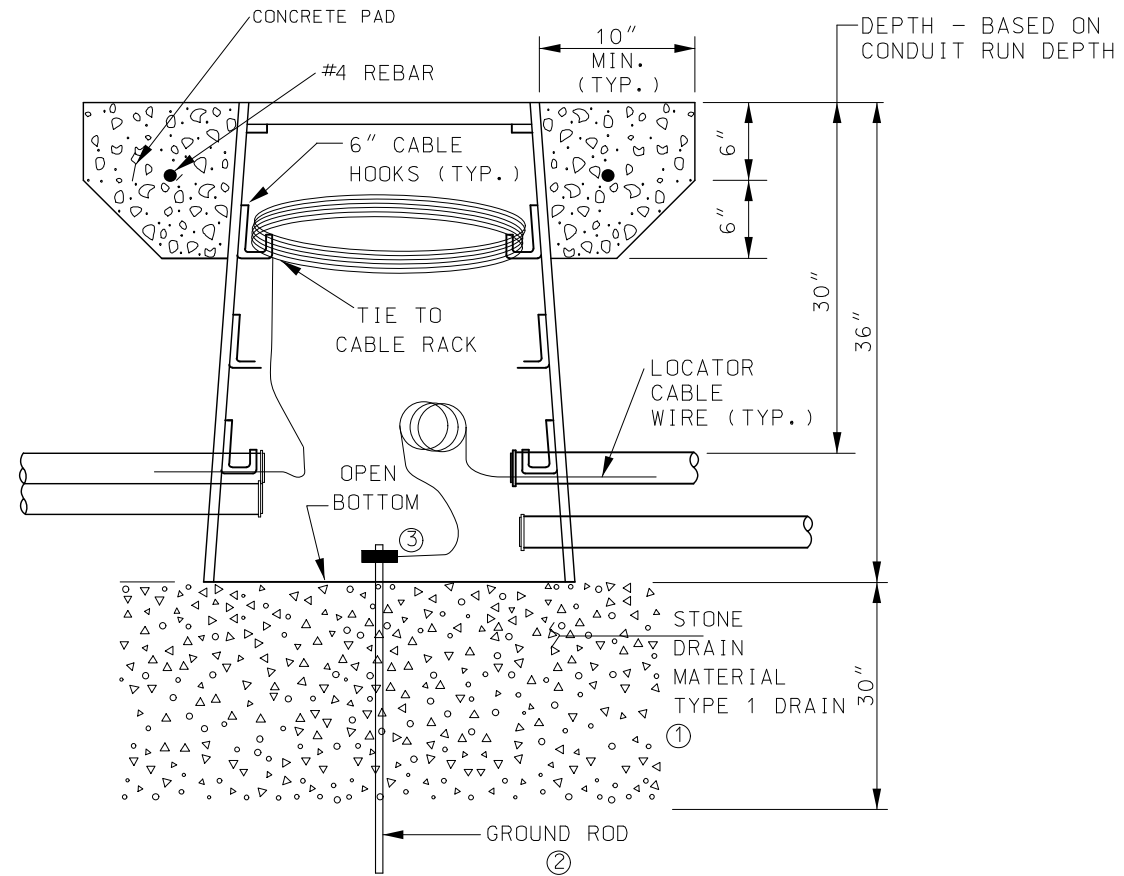
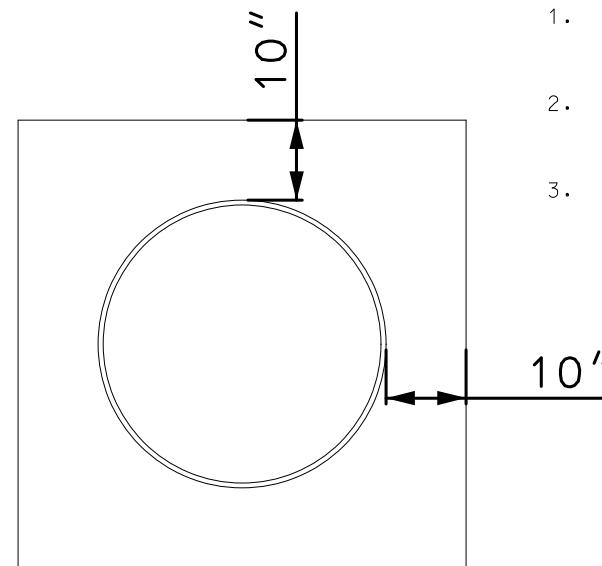
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 4. COORDINATE WITH PERMIT PROJECT FOR INSTALLATION OF ITS EQUIPMENT.



STUART ROBINSON MCNEIL
NUMBER
PE-2006019687

Stuart McNeil
07/27/2026 12:33:37 PM
STUART ROBINSON MCNEIL - CIVIL
MO-PE-2006019687

CLASS 5 ITS PULLBOX WITH CONCRETE PAD

ELEVATION

PLAN

1. PROVIDE TYPE II DRAIN AS DIRECTED BY ENGINEER. SEE STANDARD PLAN 902.20 FOR TYPE II DRAIN DETAILS.
2. GROUND ROD ONLY REQUIRED IN PULL BOX NEAREST TO AN ITS OR SIGNAL CABINET.
3. IN THE PULL BOX NEAREST THE ITS OR SIGNAL CABINET, CONNECT THE TRACER WIRE TO A GROUND ROD CLAMP AND PROVIDE 5 FEET OF SLACK.

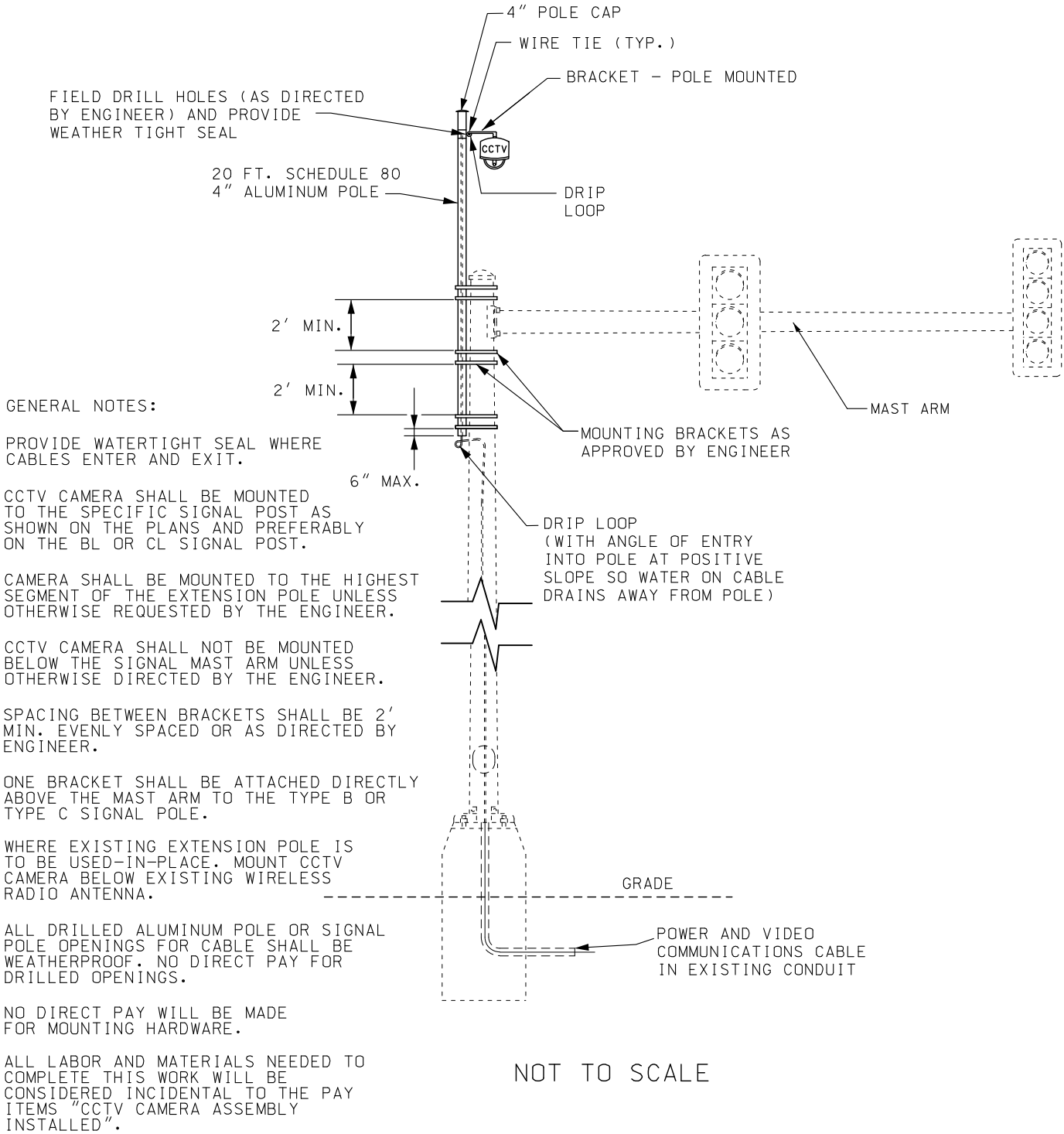
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ITS SPECIAL SHEET
ITS PULL BOXES
WITH CONC. PADS



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



GENERAL NOTES:

PROVIDE WATERTIGHT SEAL WHERE CABLES ENTER AND EXIT.

CCTV CAMERA SHALL BE MOUNTED TO THE SPECIFIC SIGNAL POST AS SHOWN ON THE PLANS AND PREFERABLY ON THE BL OR CL SIGNAL POST.

CAMERA SHALL BE MOUNTED TO THE HIGHEST SEGMENT OF THE EXTENSION POLE UNLESS OTHERWISE REQUESTED BY THE ENGINEER.

CCTV CAMERA SHALL NOT BE MOUNTED BELOW THE SIGNAL MAST ARM UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

SPACING BETWEEN BRACKETS SHALL BE 2' MIN. EVENLY SPACED OR AS DIRECTED BY ENGINEER.

ONE BRACKET SHALL BE ATTACHED DIRECTLY ABOVE THE MAST ARM TO THE TYPE B OR TYPE C SIGNAL POLE.

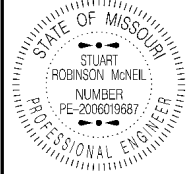
WHERE EXISTING EXTENSION POLE IS TO BE USED-IN-PLACE. MOUNT CCTV CAMERA BELOW EXISTING WIRELESS RADIO ANTENNA.

ALL DRILLED ALUMINUM POLE OR SIGNAL POLE OPENINGS FOR CABLE SHALL BE WEATHERPROOF. NO DIRECT PAY FOR DRILLED OPENINGS.

NO DIRECT PAY WILL BE MADE FOR MOUNTING HARDWARE.

ALL LABOR AND MATERIALS NEEDED TO COMPLETE THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS "CCTV CAMERA ASSEMBLY INSTALLED".

CCTV MOUNTING ON NEW OR EXISTING C OR B SIGNAL POST WITH EXTENSION POLE



STUART ROBINSON MCNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
7/24/2026

ROUTE 340 STATE MO

DISTRICT SL SHEET NO. 146

COUNTY
ST. LOUIS

JOB NO.
JSL0151

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)

ITS SPECIAL SHEET
CCTV CAMERA MOUNTING TO
SIGNAL POST DETAILS

MODOT BURIED CABLE WARNING; DELINEATOR POST (#SD0031)

3" X 12"
WARNING BURIED
CABLE STICKER

48"

SHUR-FLEX® JOINT
(#SD0005)

APPROX.
1 1/2"

FINISHED
GRADE

22 1/2"

1 1/2"

12"

13"

48" POST
(#SD0035)

5/16" X 2 3/4"
HEX BOLT,
WASHER, &
PROPELLER NUT
(#SF0051)

3 1/2"

3/8" X 2 1/4" CLEVIS PIN &
HAIRPIN COTTER (#SD0050)

2" X 12 X 24" GA. SQUARE
PERFORATED TUBING
(#SD0024)

PAT# 7,722,286

SHUR-TITE®
PRODUCTS

TYPE:

SHUR-FLEX® DRIVEABLE
DELINEATOR MODOT WARNING
BURIED CABLE POST DETAIL

DRAWN BY:

PH

ITEM #:

SD0031

CHECKED BY:

DWH

DATE:

10/18/11

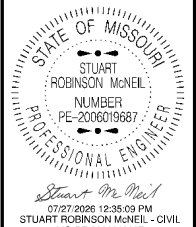
SHEET:

1 OF 1

H:\SHUR-TITE\MISSOURI\SF DR DEL SD0031 WARNING SIGN 101811.cwg, 10/18/2011 12:05:32 PM

P. O. BOX 2283
ROUND ROCK, TEXAS 78680

(512) 218-9500



MO-PE-2006019687
DATE PREPARED
7/24/2026

ROUTE 340	STATE MO
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DISTRICT	SHEET NO.
SL	147

COUNTY
ST. LOUIS

JSL0151

CONTRACT ID:
PROJECT NO.

BRIDGE NO.

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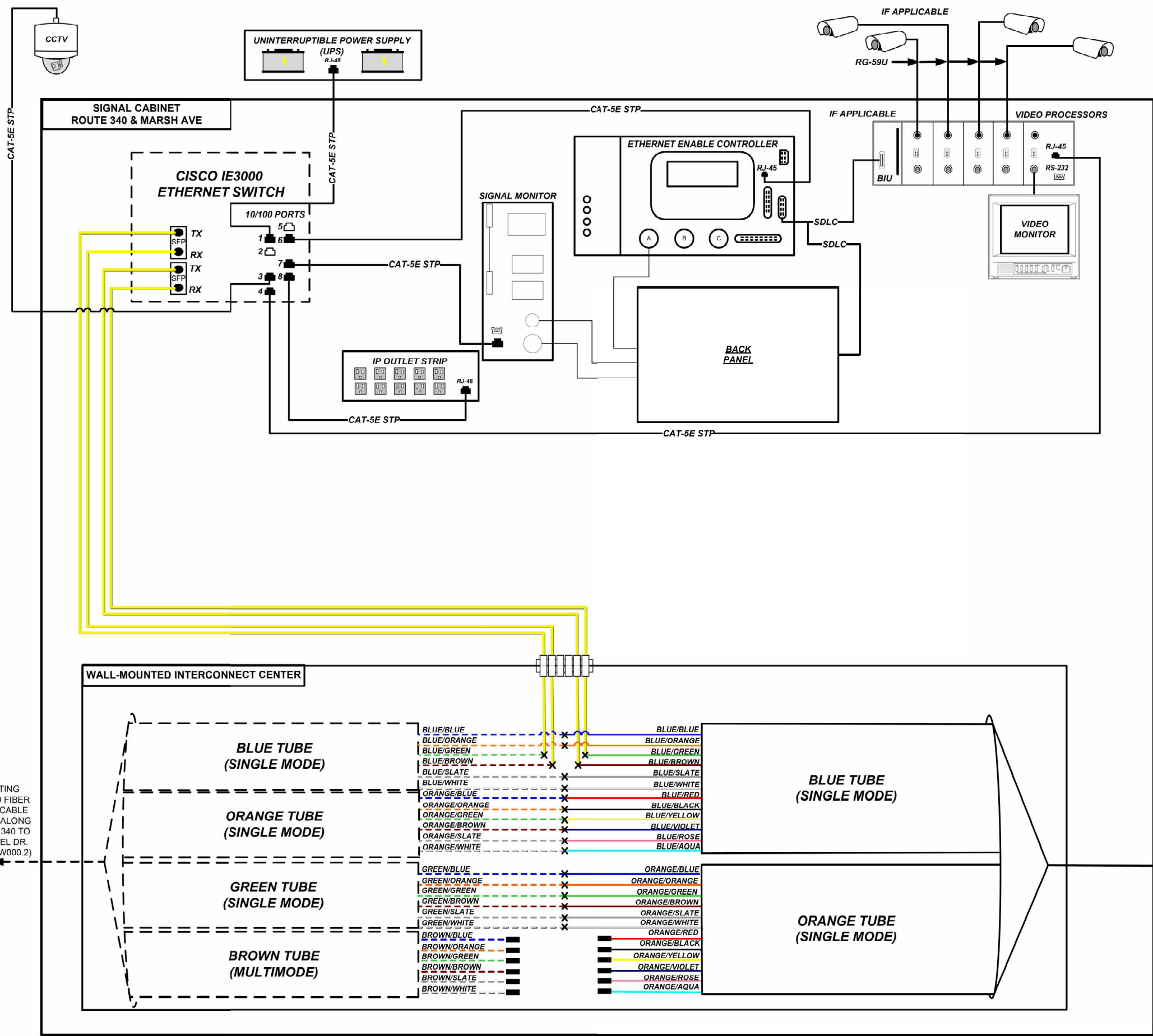
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KEY

IS170N123.4

CCTV CAMERA

EXISTING CCTV CAMERA

DMS

RADAR DETECTION UNIT

SM PATCH THROUGH FIBER OPTIC JUMPER

SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

SM FIBER OPTIC PIGTAIL

MM PATCH THROUGH FIBER OPTIC JUMPER

MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

MM FIBER OPTIC PIGTAIL

BARE FIBER LEFT COILED IN SPLICE TRAY

EXISTING/PROPOSED FUSION SPLICE

PATCH PANEL MODULE

WIRELESS LINK

SENSYS DETECTION SYSTEM

WIRELESS LINKSENSYS DETECTION SYSTEMWIRELESS LINKSENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

24-FIBER SM FIBER OPTIC CABLE NORTH ALONG ROUTE 340 TO CLAYTON RD.

HNTB

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

FIBER SPLICING & BLOCK DIAGRAM
MO340W000.4
ROUTE 340 & MARSH AVE
SHEET 1 OF 7

VLAN VL0004

STATE OF MISSOURI

STUART ROBINSON MONEIL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

Stuart M. Moneil

07/27/2026 12:35:35 PM

STUART ROBINSON MONEIL - CIVIL

MO-PE-2006019687

DATE PREPARED

7/25/2026

ROUTE 340

STATE MO

DISTRICT SL

SHEET NO. 150

COUNTY ST. LOUIS

JOB NO. JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

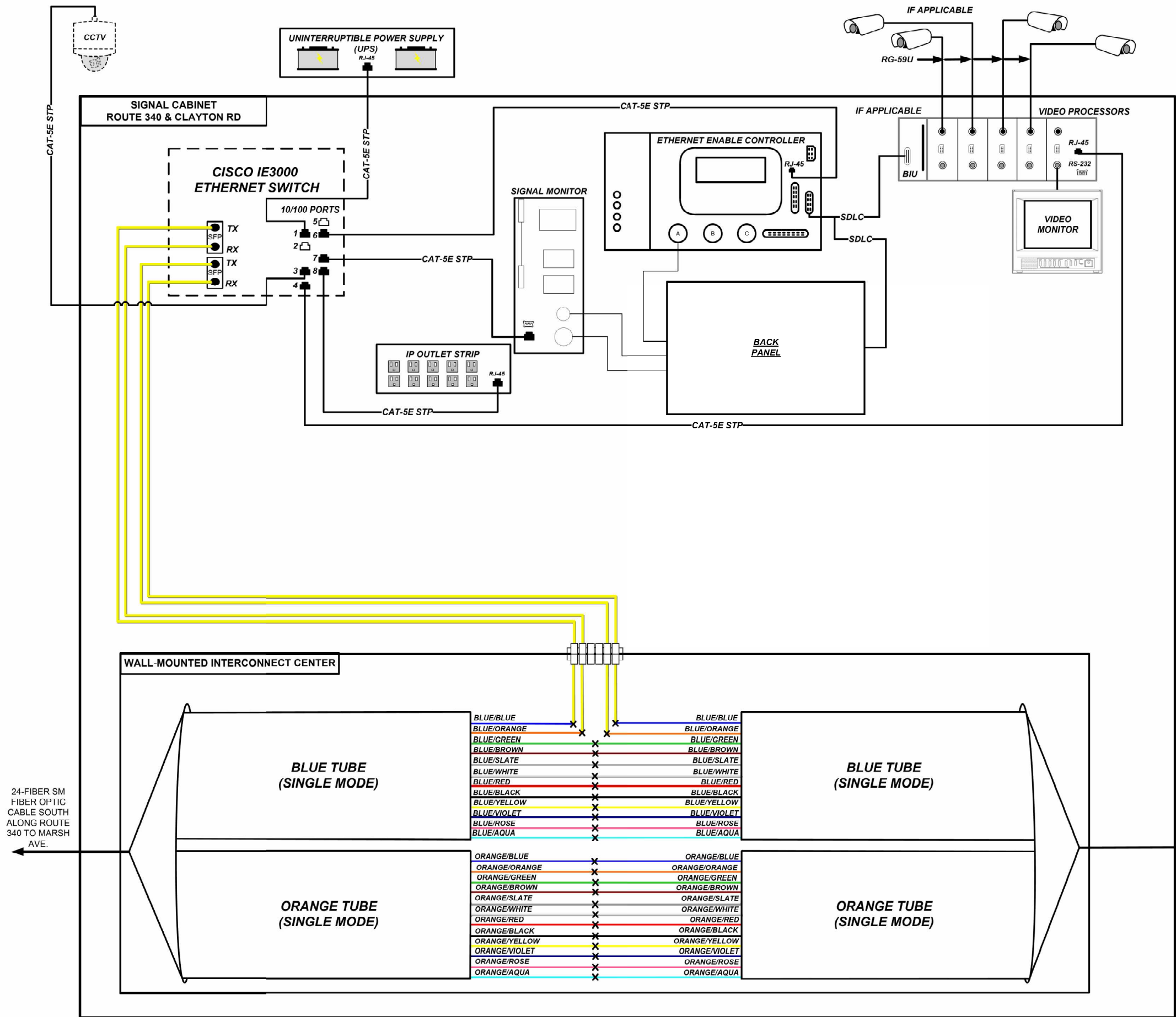
JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-275-6636)

ITS SPECIAL SHEET

SHEET 1 OF 7

FIBER SPLICING & BLOCK DIAGRAM



KEY

IS170N123.4

CCTV

DEVICE IDENTIFIER

CCTV

CCTV CAMERA

EXISTING CCTV CAMERA

DMS

DYNAMIC MESSAGE SIGN

RADAR DETECTION UNIT

SM PATCH THROUGH FIBER OPTIC JUMPER

SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

SM FIBER OPTIC PIGTAIL

MM PATCH THROUGH FIBER OPTIC JUMPER

MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

MM FIBER OPTIC PIGTAIL

BARE FIBER LEFT COILED IN SPLICE TRAY

EXISTING/PROPOSED FUSION SPLICE

PATCH PANEL MODULE

WIRELESS LINK

SENSYS DETECTION SYSTEM

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4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

HNTB

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY
NO. 001270

FIBER SPLICING & BLOCK DIAGRAM
MO340W000.8
ROUTE 340 & CLAYTON RD
SHEET 2 OF 7

STATE OF MISSOURI
STUART ROBINSON MONEIL
NUMBER
PE-2006019687
PROFESSIONAL ENGINEER

Stuart M. Moneil
07/27/2026 12:35:44 PM
STUART ROBINSON MONEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
7/25/2026

ROUTE
340

STATE
MO

DISTRICT
SL

SHEET NO.
151

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

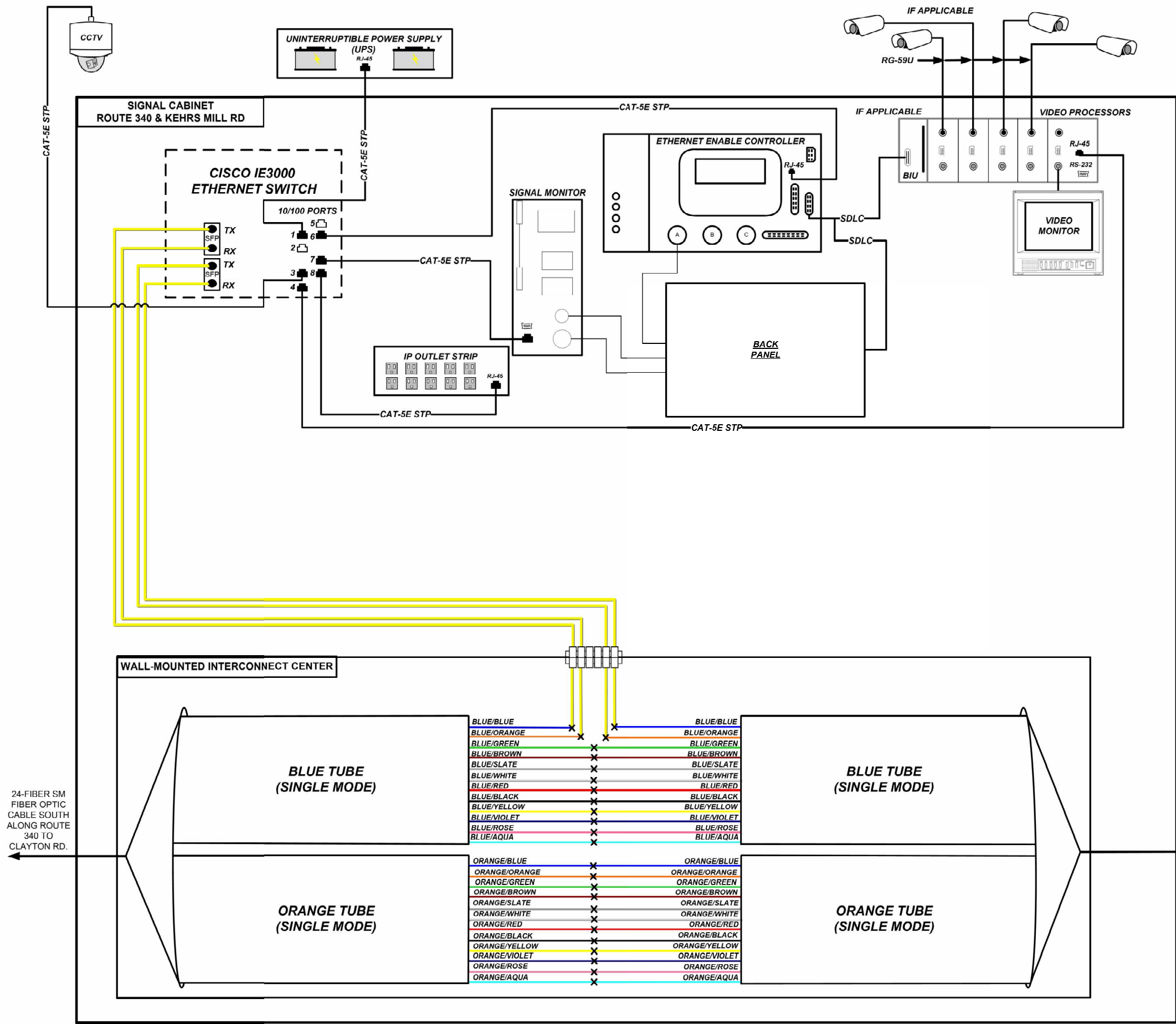
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

ITS SPECIAL SHEET
SHEET 2 OF 7
FIBER SPLICING & BLOCK DIAGRAM

VLAN VL0004



KEY

IS170N123.4

CCTV CAMERA

EXISTING CCTV CAMERA

DMS

RADAR DETECTION UNIT

SM PATCH THROUGH FIBER OPTIC JUMPER

SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

SM FIBER OPTIC PIGTAIL

MM PATCH THROUGH FIBER OPTIC JUMPER

MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

MM FIBER OPTIC PIGTAIL

BARE FIBER LEFT COILED IN SPLICE TRAY

EXISTING/PROPOSED FUSION SPLICE

PATCH PANEL MODULE

WIRELESS LINK

SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB

2. NO INTERMEDIATE SPLICES ALLOWED

3. ALL SPLICES SHALL BE FUSION SPLICES

4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY NO. 001270

FIBER SPLICING & BLOCK DIAGRAM

MO340W002.0

ROUTE 340 & KEHRS MILL RD

SHEET 3 OF 7

VLAN

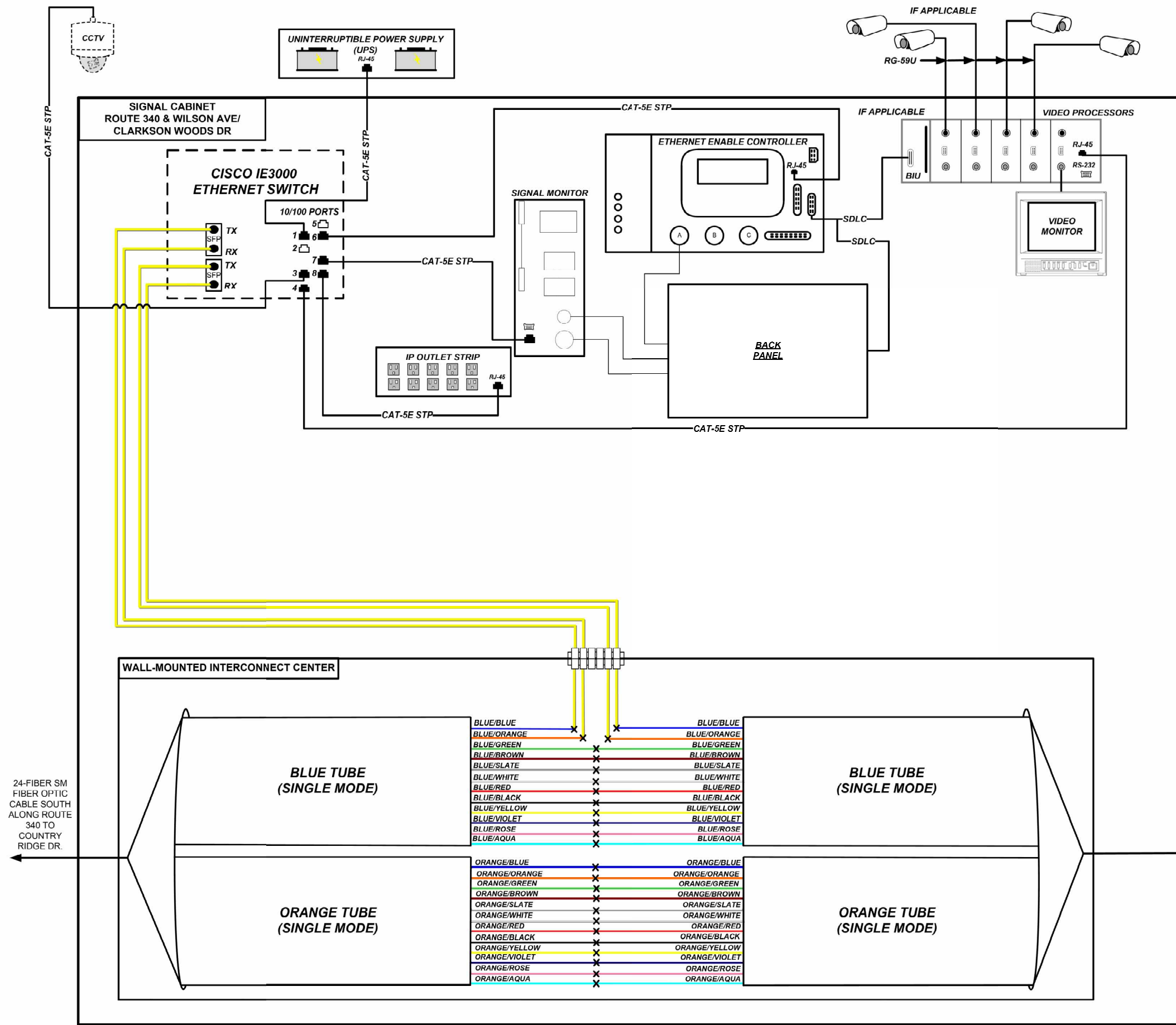
VL0004

STUART ROBINSON MANELL
PE-2006019687
DATE PREPARED 7/25/2026
ROUTE 340
DISTRICT SL
COUNTY ST. LOUIS
JOB NO. JSL0151
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

ITS SPECIAL SHEET
SHEET 3 OF 7
FIBER SPLICING & BLOCK DIAGRAM



KEY

IS170N123.4

CCTV

IS170N123.4

CCTV

DMS

SM Patch Through Fiber Optic Jumper

SM Equipment Connection Fiber Optic Jumper

SM Fiber Optic Pigtail

MM Patch Through Fiber Optic Jumper

MM Equipment Connection Fiber Optic Jumper

MM Fiber Optic Pigtail

Bare Fiber Left Coiled in Splice Tray

Existing/Proposed Fusion Splice

Patch Panel Module

Wireless Link

VDS AP

DEVICE IDENTIFIER

CCTV CAMERA

EXISTING CCTV CAMERA

DYNAMIC MESSAGE SIGN

RADAR DETECTION UNIT

SM PATCH THROUGH FIBER OPTIC JUMPER

SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

SM FIBER OPTIC PIGTAIL

MM PATCH THROUGH FIBER OPTIC JUMPER

MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

MM FIBER OPTIC PIGTAIL

BARE FIBER LEFT COILED IN SPLICE TRAY

EXISTING/PROPOSED FUSION SPLICE

PATCH PANEL MODULE

WIRELESS LINK

SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

24-FIBER SM FIBER OPTIC CABLE NORTH ALONG ROUTE 340 TO BAXTER RD.

HNTB
715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY NO. 001270

FIBER SPLICING & BLOCK DIAGRAM
MO340E002.6
ROUTE 340 & WILSON AVE/ CLARKSLON WOODS DR
SHEET 5 OF 7

VLAN
VL0004

STATE OF MISSOURI

STUART ROBINSON MONEIL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

Stuart M. Moneil

07/27/2026 12:36:12 PM

STUART ROBINSON MONEIL - CIVIL

MO-PE-2006019687

DATE PREPARED
7/25/2026

ROUTE 340
DISTRICT SL

STATE MO
SHEET NO. 154

COUNTY
ST. LOUIS

JOB NO.
JSL0151

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

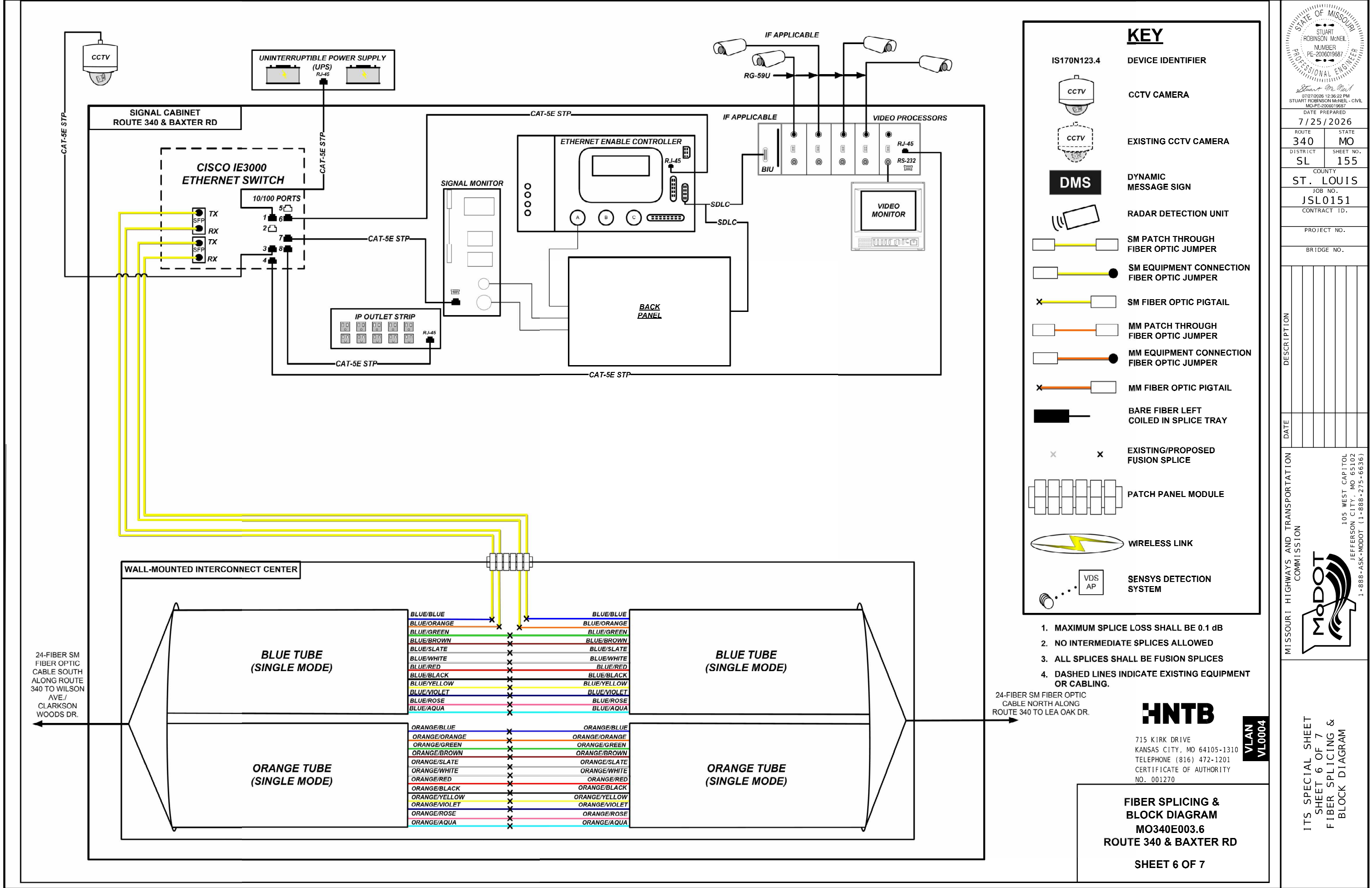
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

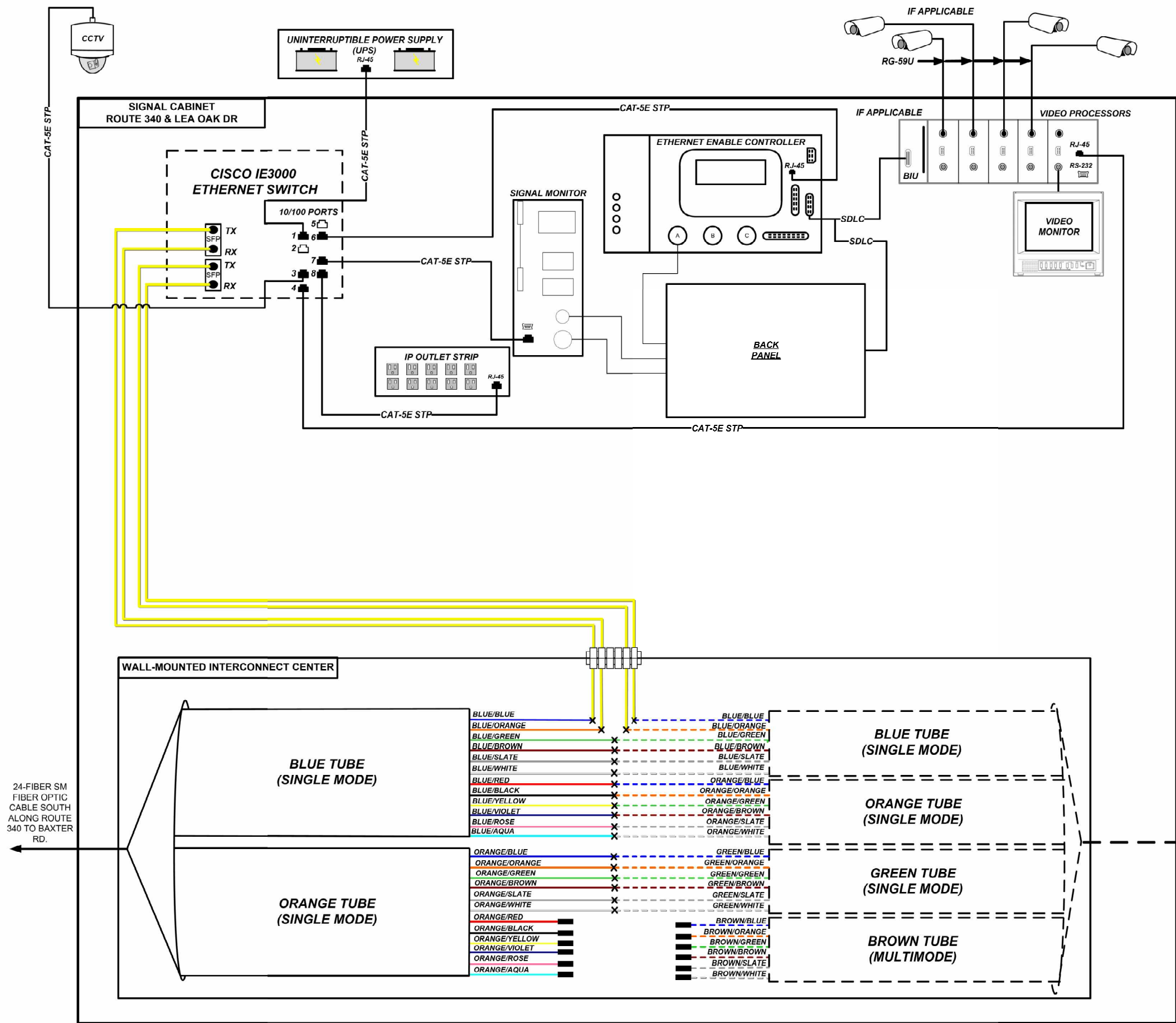
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

ITS SPECIAL SHEET

SHEET 5 OF 7

FIBER SPLICING & BLOCK DIAGRAM





KEY

IS170N123.4

CCTV CAMERA

CCTV

EXISTING CCTV CAMERA

DMS

DYNAMIC MESSAGE SIGN

RADAR DETECTION UNIT

SM PATCH THROUGH FIBER OPTIC JUMPER

SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

X

SM FIBER OPTIC PIGTAIL

MM PATCH THROUGH FIBER OPTIC JUMPER

MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER

X

MM FIBER OPTIC PIGTAIL

BARE FIBER LEFT COILED IN SPLICE TRAY

X

EXISTING/PROPOSED FUSION SPLICE

PATCH PANEL MODULE

WIRELESS LINK

VDS AP

SENSYS DETECTION SYSTEM

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
2. NO INTERMEDIATE SPLICES ALLOWED
3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

EXISTING HYBRID FIBER OPTIC CABLE NORTH ALONG ROUTE 340 TO I-64 BACKBONE

HNTB

715 KIRK DRIVE
KANSAS CITY, MO 64105-1310
TELEPHONE (816) 472-1201
CERTIFICATE OF AUTHORITY NO. 001270

FIBER SPLICING & BLOCK DIAGRAM
MO340E003.8
ROUTE 340 & LEA OAK DR
SHEET 7 OF 7

VLAN
VL0004

STATE OF MISSOURI

STUART ROBINSON MONEIL

NUMBER PE-2006019687

PROFESSIONAL ENGINEER

Stuart M. Moneil

07/27/2026 12:36:34 PM

STUART ROBINSON MONEIL - CIVIL

MO-PE-2006019687

DATE PREPARED

7/25/2026

ROUTE

340

STATE

MO

DISTRICT

SL

SHEET NO.

156

COUNTY

ST. LOUIS

JOB NO.

JSL0151

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)

ITS SPECIAL SHEET

SHEET 7 OF 7

FIBER SPLICING & BLOCK DIAGRAM