DESIGN DESIGNATION

A.A.D.T. - 2025 = 31,188
A.A.D.T. - 2045 = 34,459
D.H.V. = 10.0%
T = 4.3%
V = 35 M.P.H.
D = 52.5% EB, 47.5% WB

FUNCTIONAL CLASSIFICATION- PRINCIPAL ARTERIAL

PERMENANT AND TEMPORARY CONSTRUCTION EASEMENTS AND PERMANENT RIGHT OF WAY REQUIRED

SECTION NUMBERS:
USS 2033, USS378

CONVENTIONAL SYMBOLS
(USED IN PLANS)

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

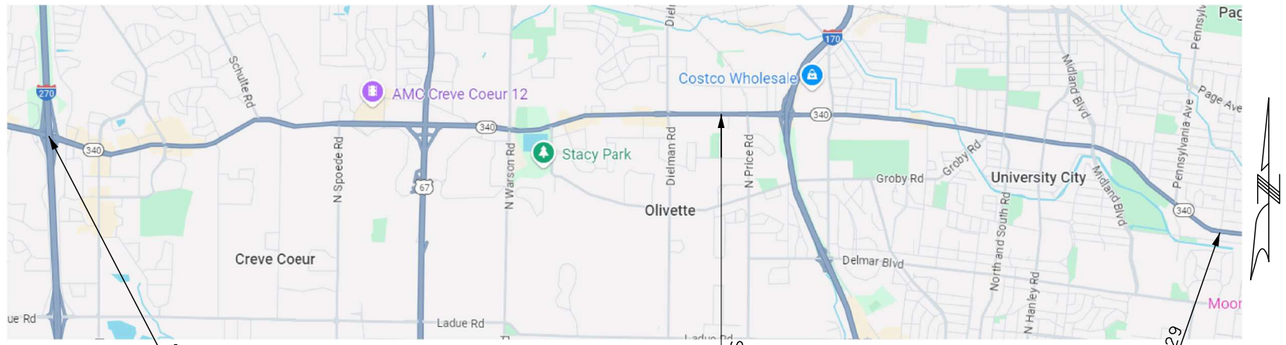
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

ST. LOUIS COUNTY
T45N R05E
T45N R06E

NOT TO SCALE



STA. 115+40.84 BEGIN PROJECT 11.511 LOG MILES

STA. 102+26.00 15.896 LOG MILES

STA. 283+48.00 R29 END PROJECT 19.275 LOG MILES

I-270 TO DIELMAN INDUSTRIAL DR
ROW, ADA, SIGNALS AND TRAFFIC CONTROL

RESURFACING FROM DIELMAN INDUSTRIAL DR TO FERGUSEN AVE
ROW, ADA, SIGNALS, SIGNING, STRIPING, TRAFFIC CONTROL

ROUTE 340 - PROJECT LIMITS

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.

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INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
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QUANTITIES (QU) (8 SHEETS)	3
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TRAFFIC CONTROL (TC)	46-55
SIGNALS (SG)	56-86
SIGNING (SN)	87-89
PAVEMENT MARKING (PM)	90-103
ITS (ITS)	104-106

LENGTH OF PROJECT

BEGINNING OF PROJECT STA. 115 + 40.84
END OF PROJECT STA. 283 + 48.00

APPARENT LENGTH 16,807.16 FEET

EQUATIONS AND EXCEPTIONS:

1.	126+17.12 BK = 126+19.95 AH	-2.83 FEET
2.	131+30.65 BK = 131+30.95 AH	-0.30 FEET
3.	136+86.04 BK = 136+89.97 AH	-3.93 FEET
4.	140+93.41 BK = 140+95.45 AH	-2.04 FEET
5.	151+07.97 BK = 151+09.07 AH	-1.10 FEET
6.	157+84.84 BK = 157+84.95 AH	-0.11 FEET
7.	169+81.98 BK = 169+82.43 AH	-0.45 FEET
8.	188+12.43 BK = 188+15.32 AH	-2.89 FEET
9.	189+25.12 BK = 189+28.01 AH	-2.89 FEET
10.	193+44.72 BK = 193+44.76 AH	-0.04 FEET
11.	203+39.99 BK = 203+45.02 AH	-5.03 FEET
12.	207+89.40 BK = 207+82.68 AH	6.72 FEET
13.	246+40.75 BK = 246+43.75 AH	-3.00 FEET
14.	270+35.07 BK = 28+68.00 AH	24,167.07 FEET
15.	41+24.90 BK = 41+26.06 AH	-1.16 FEET
16.	96+33.29 BK = 96+34.92 AH	-1.63 FEET
17.	121+51.72 BK = 121+52.98 AH	-1.26 FEET
18.	123+42.86 BK = 123+42.83 AH	0.03 FEET
19.	129+31.79 BK = 129+33.08 AH	-1.29 FEET
20.	144+42.73 BK = 144+42.75 AH	-0.02 FEET
21.	167+84.92 BK = 167+85.02 AH	-0.10 FEET
22.	203+55.69 BK = 203+55.43 AH	0.26 FEET
23.	218+27.11 BK = 218+24.74 AH	2.37 FEET
24.	228+10.92 BK = 228+13.40 AH	-2.48 FEET
25.	230+86.22 BK = 230+91.67 AH	-5.45 FEET
26.	243+78.74 BK = 243+84.84 AH	-6.10 FEET
27.	253+57.10 BK = 253+54.56 AH	2.54 FEET
28.	278+52.53 BK = 278+58.01 AH	-5.48 FEET

TOTAL CORRECTIONS 24,129.41 FEET
NET LENGTH OF PROJECT 40,936.57 FEET
STATE LENGTH 7.753 MILES

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 1 ACRE

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:09:09 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED 3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	1

COUNTY ST. LOUIS
JOB NO. JSL0076B
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

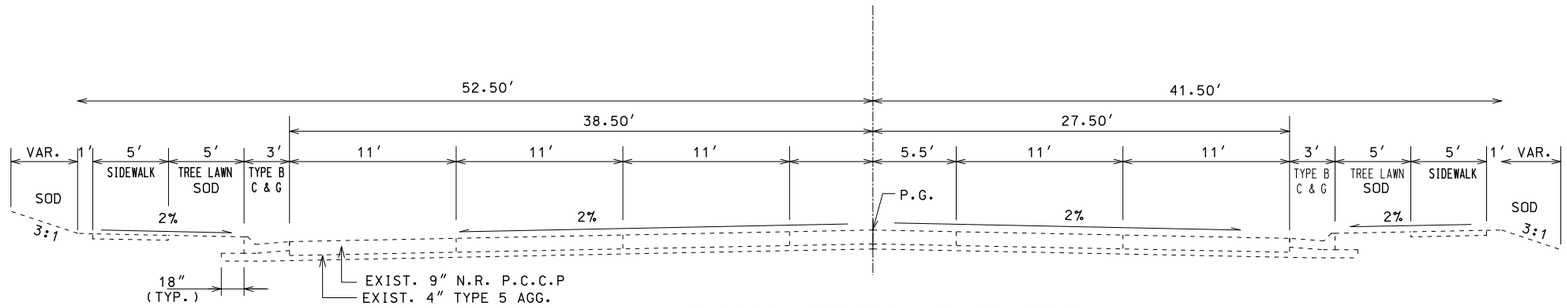
DESCRIPTION	DATE

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

TITLE SHEET

FOR INFORMATION ONLY.
NO TREATMENT NEEDED.

℄ SURVEY RTE 340

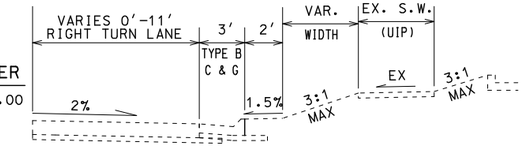


TYPICAL SECTION ON TANGENT

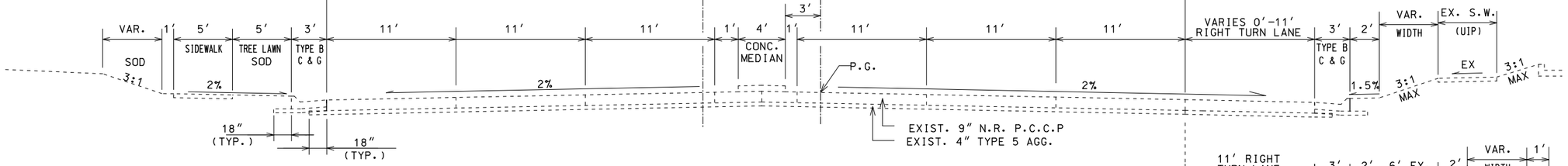
RTE 340 STA. 102+26 TO 108+29

RIGHT TURN LANE TAPER

STA. 108+11.30 TO 108+29.00



℄ SURVEY RTE 340 PROP. ℄ RTE 340

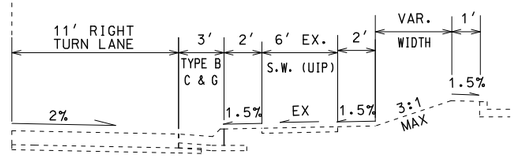


TYPICAL SECTION ON TANGENT

RTE 340 STA. 108+29 TO 110+30

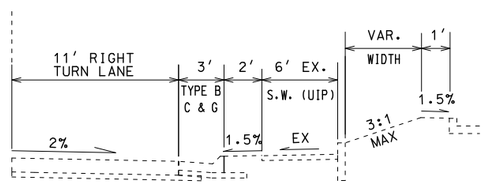
RIGHT TURN LANE

STA. 108+71.29 TO 109+87.49



RIGHT TURN LANE

STA. 109+87.49 TO 110+30.00



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STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:09:16 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

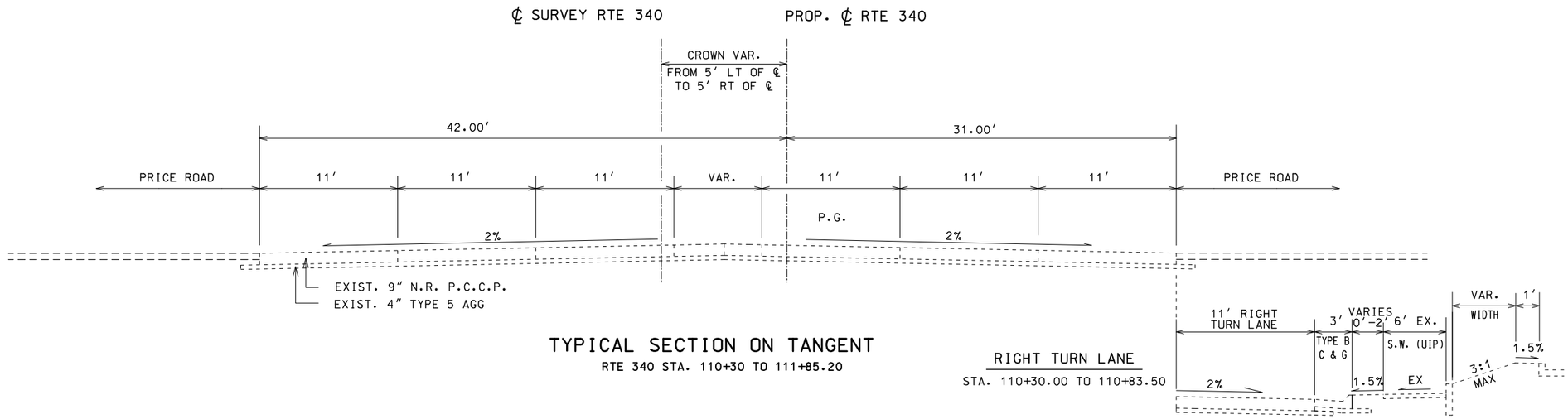
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

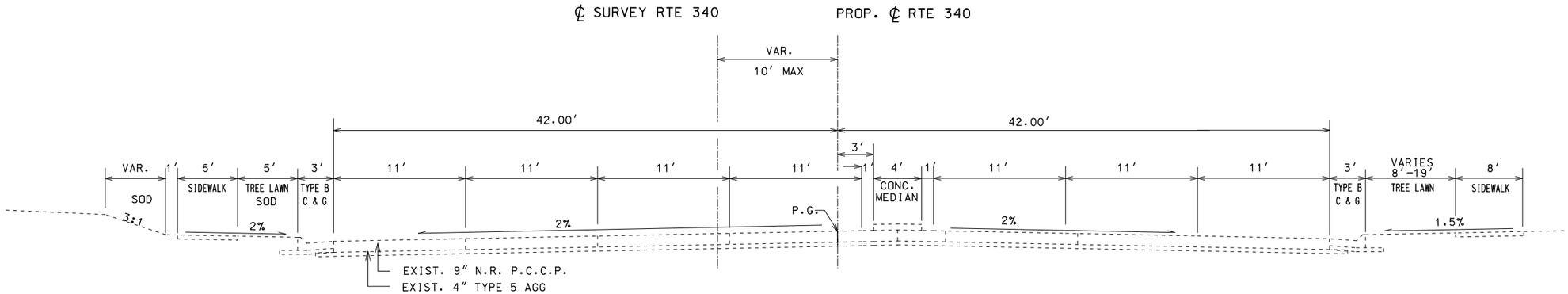
TYPICAL SECTIONS
SHEET 1 OF 13

FOR INFORMATION ONLY.
NO TREATMENT NEEDED.



TYPICAL SECTION ON TANGENT

RTE 340 STA. 110+30 TO 111+85.20



TYPICAL SECTION ON TANGENT

RTE 340 STA. 111+85.20 to 113+26.70

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STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:09:24 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

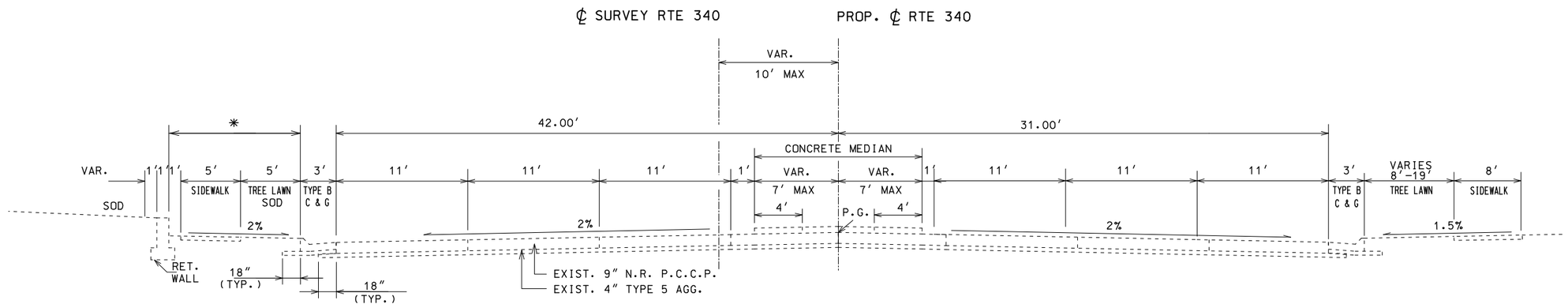
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

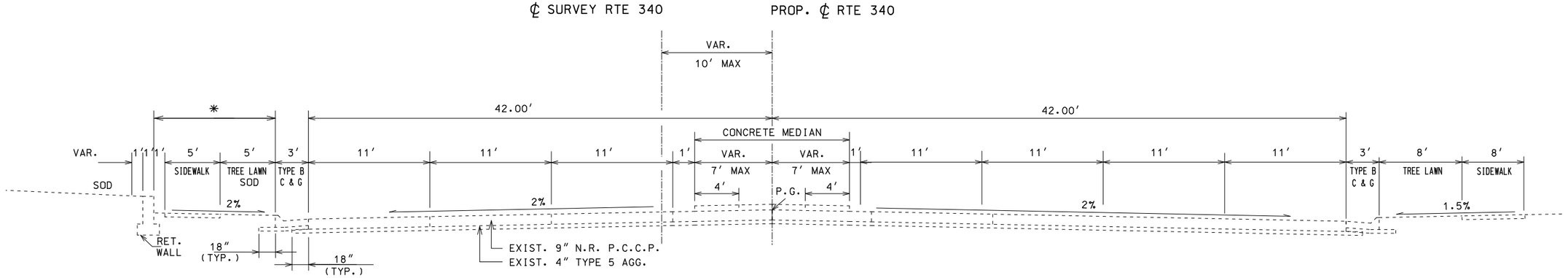
TYPICAL SECTIONS
SHEET 2 OF 13

FOR INFORMATION ONLY.
NO TREATMENT NEEDED.



TYPICAL SECTION ON TANGENT

RTE 340 STA. 113+26.70 TO 114+00.00



TYPICAL SECTION ON TANGENT

RTE 340 STA. 114+00.00 TO 114+87.95

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NUMBER PE-2009019687
PROFESSIONAL ENGINEER
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STUART ROBINSON McNEIL - CIVIL
MO-PE-2009019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

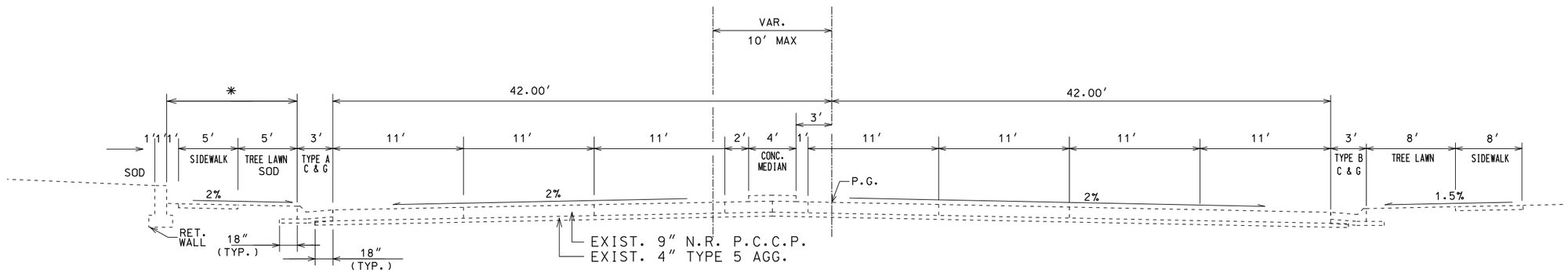
BRIDGE NO.

DESCRIPTION	DATE

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

TYPICAL SECTIONS
SHEET 3 OF 13

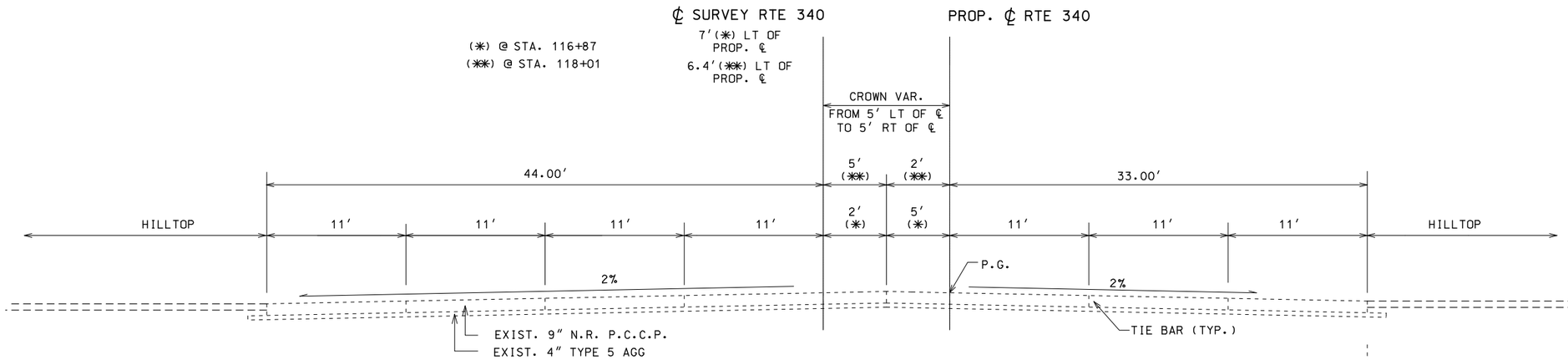
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TYPICAL SECTION ON TANGENT

RTE 340 STA. 114+87.95 TO 116+87.00

(*) @ STA. 116+87
(**) @ STA. 118+01

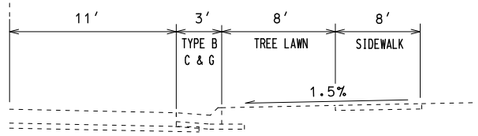


TYPICAL SECTION ON TANGENT

RTE 340 STA. 116+87.00 TO 118+01.00

RIGHT TURN LANE

STA. 116+87.00 TO 117+46.29



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STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:06:39 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

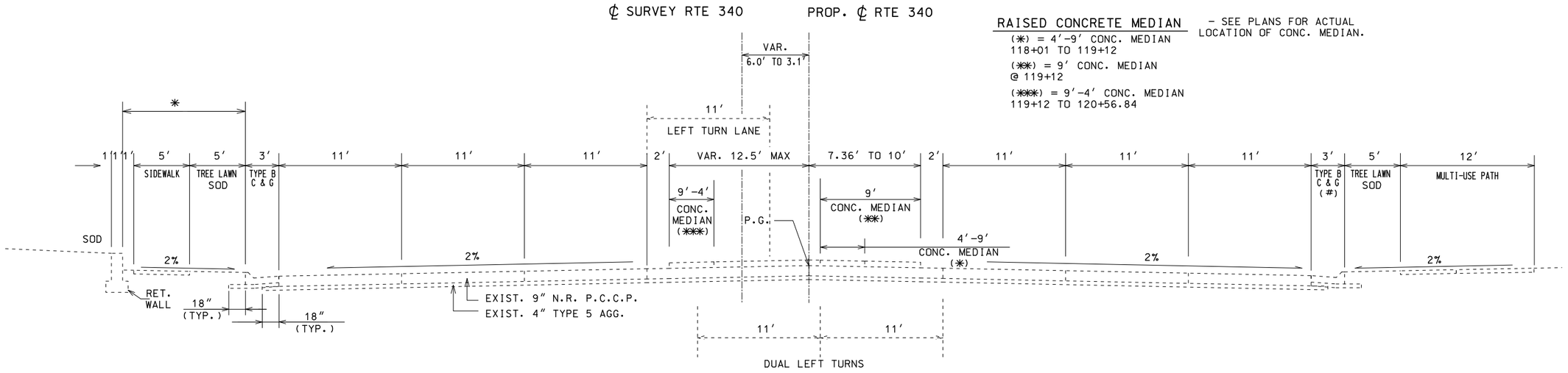
BRIDGE NO.

DESCRIPTION	DATE

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

TYPICAL SECTIONS
SHEET 4 OF 13

FOR INFORMATION ONLY.
NO TREATMENT NEEDED.



RAISED CONCRETE MEDIAN – SEE PLANS FOR ACTUAL LOCATION OF CONC. MEDIAN.

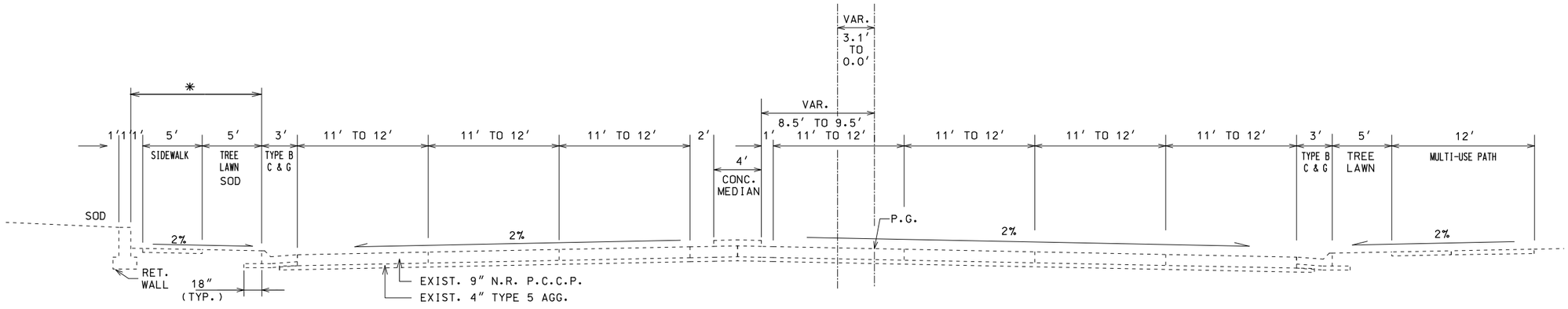
(*) = 4′-9′ CONC. MEDIAN
118+01 TO 119+12

(**) = 9′ CONC. MEDIAN
@ 119+12

(***) = 9′-4′ CONC. MEDIAN
119+12 TO 120+56.84

TYPICAL SECTION ON TANGENT

RTE 340 STA. 118+01 TO 120+56.84



TYPICAL SECTION ON TANGENT

RTE 340 STA. 120+56.84 TO 120+80.54

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STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:09:48 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

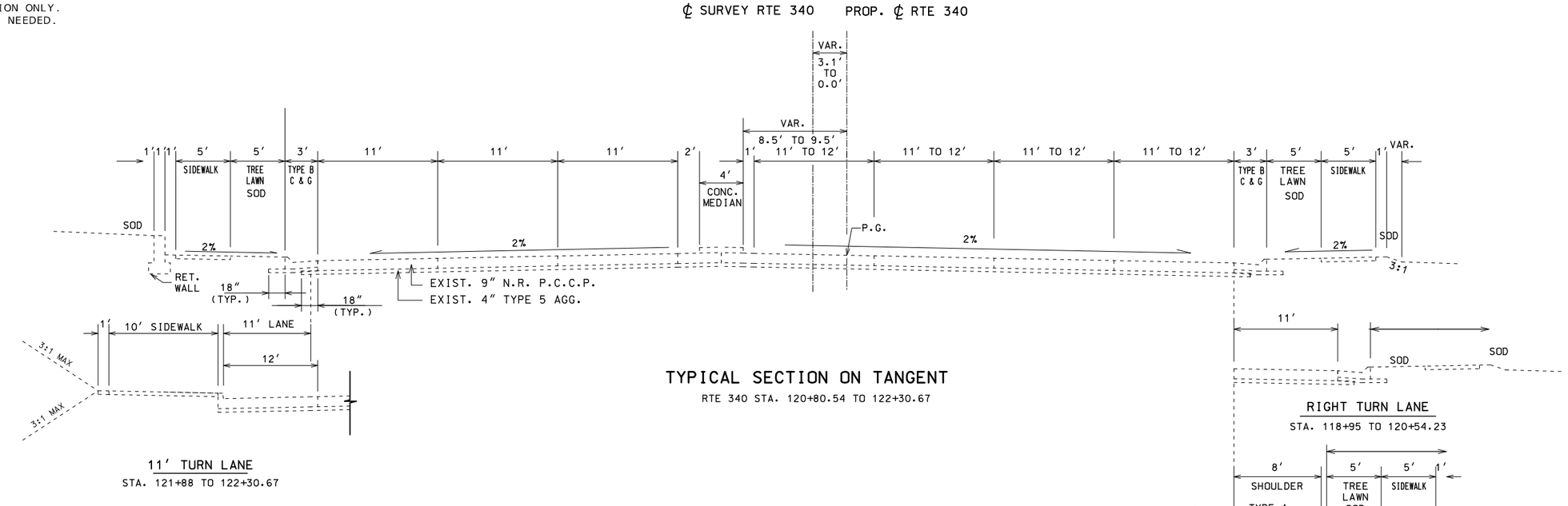
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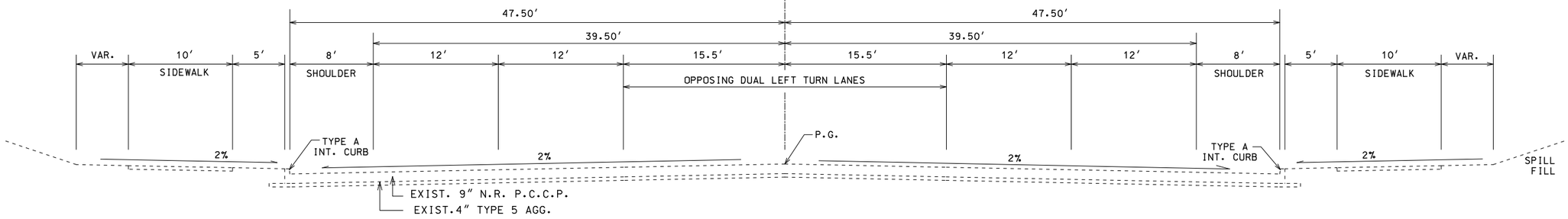
DESCRIPTION	DATE

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

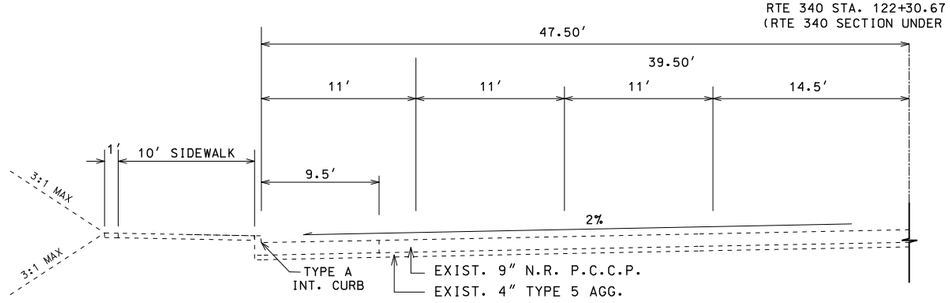
TYPICAL SECTIONS
SHEET 5 OF 13

FOR INFORMATION ONLY.
NO TREATMENT NEEDED.





TYPICAL SECTION ON TANGENT
RTE 340 STA. 122+30.67 TO 124+83.24
(RTE 340 SECTION UNDER I-170 BRIDGE)



11′ TURN LANE
STA. 122+30.67 TO 123+71

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STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2009019687
PROFESSIONAL ENGINEER
03/24/2026 1:09:57 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2009019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

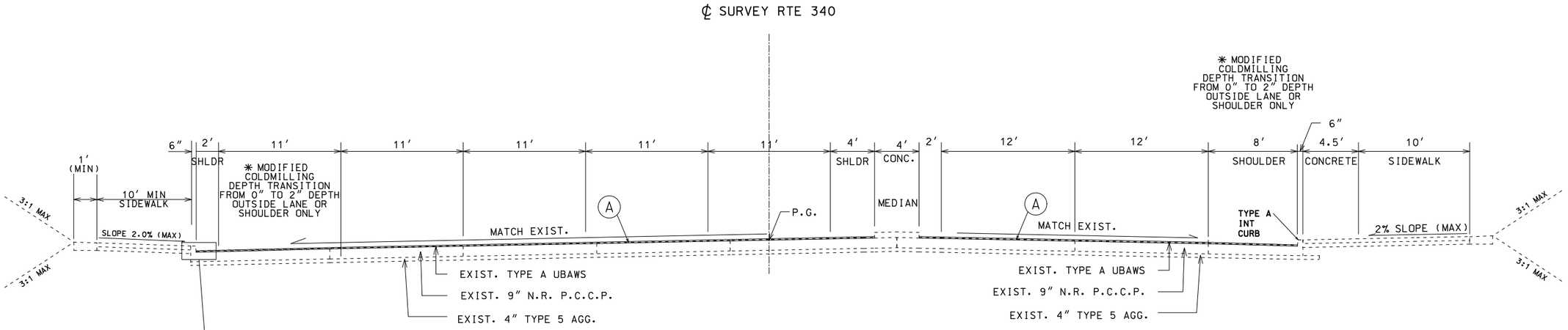
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TYPICAL SECTIONS
SHEET 6 OF 13

LEGEND

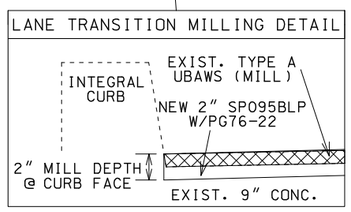
(A) $2\frac{1}{2}$" MAX COLDMILL, TACK COAT, 2" MAX SP095BLP (PG76-22)



TYPICAL SECTION ON TANGENT

RTE 340 STA. 124+83.24 TO 126+55.38

✳ MODIFIED COLDMILLING DEPTH TRANSITION FROM 0" TO 2" DEPTH IN OUTSIDE LANE OR SHOULDER ONLY FROM LT & RT STA 124+83.24 TO 139+46.67 WHERE TYPE A UBAWS IS OVER 9" CONCRETE PAVEMENT.



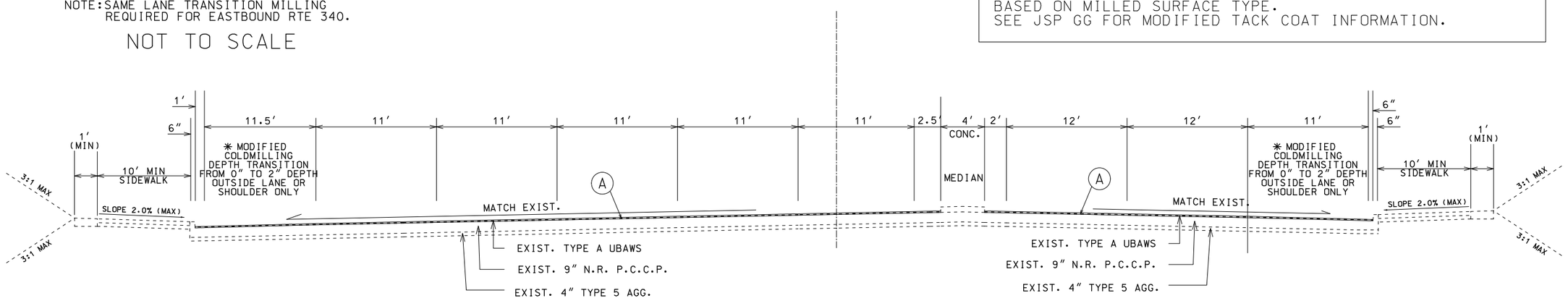
NOTE: SAME LANE TRANSITION MILLING REQUIRED FOR EASTBOUND RTE 340.

NOT TO SCALE

ASPHALT APPLICATION RATES:

SP095BLP (PG76-22) – 1.900 TONS/CY
MODIFIED TACK COAT (MILLED SURF.) – 0.20 GAL/SQYD

NOTE: ENGINEER MAY ADJUST TACK COAT RATE BASED ON MILLED SURFACE TYPE.
SEE JSP GG FOR MODIFIED TACK COAT INFORMATION.



TYPICAL SECTION ON TANGENT

RTE 340 STA. 126+55.38 TO 127+24.91

✳ MODIFIED COLDMILLING DEPTH TRANSITION FROM 0" TO 2" DEPTH IN OUTSIDE LANE OR SHOULDER ONLY FROM LT & RT STA 124+83.24 TO 139+46.67 WHERE TYPE A UBAWS IS OVER 9" CONCRETE PAVEMENT.

NOT TO SCALE

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STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:10:05 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	2

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

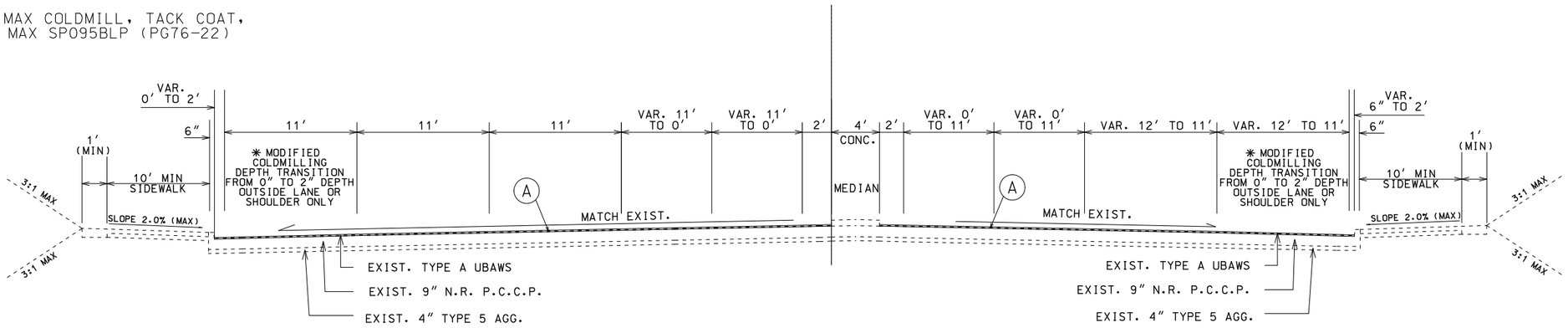
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTIONS
SHEET 7 OF 13

LEGEND

(A) $2\frac{1}{2}$" MAX COLDMILL, TACK COAT, 2" MAX SP095BLP (PG76-22)

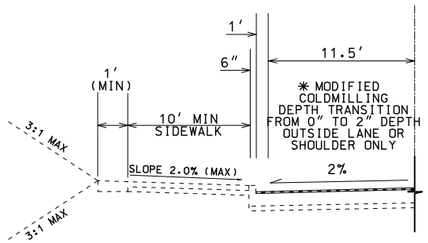
℄ SURVEY RTE 340



TYPICAL SECTION ON TANGENT

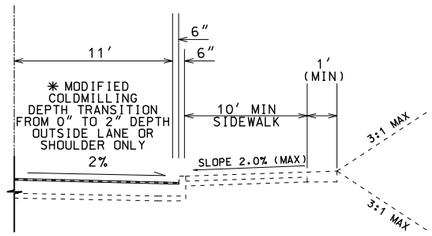
RTE 340 STA. 127+24.91 TO 129+80.70

✳ MODIFIED COLDMILLING DEPTH TRANSITION FROM 0" TO 2" DEPTH IN OUTSIDE LANE OR SHOULDER ONLY FROM LT & RT STA 124+83.24 TO 139+46.67 WHERE TYPE A UBAWS IS OVER 9" CONCRETE PAVEMENT.



WB RIGHT TURN LANE

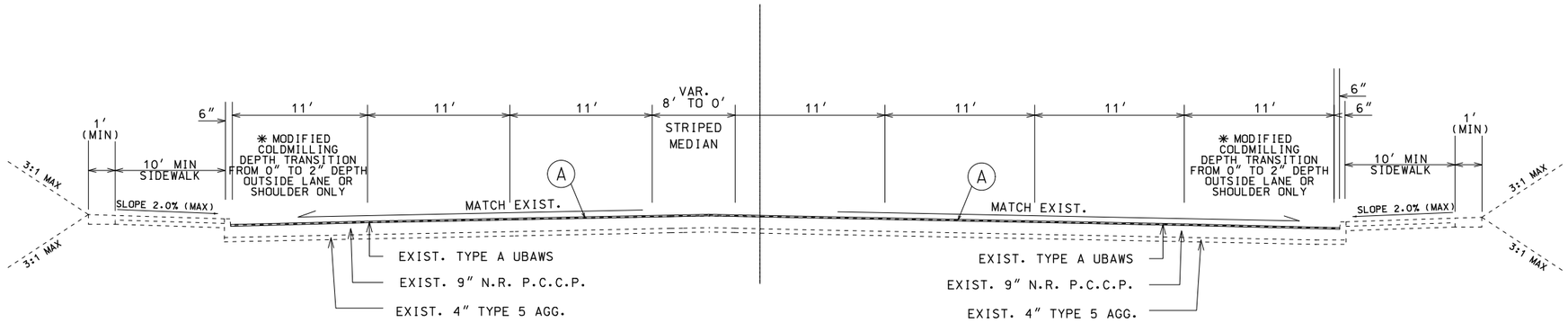
STA. 127+24.91 TO 128+53.80



EB RIGHT TURN LANE

STA. 127+24.91 TO 129+19.09

℄ SURVEY RTE 340



TYPICAL SECTION ON TANGENT

RTE 340 STA. 129+80.70 TO 130+95.75

✳ MODIFIED COLDMILLING DEPTH TRANSITION FROM 0" TO 2" DEPTH IN OUTSIDE LANE OR SHOULDER ONLY FROM LT & RT STA 124+83.24 TO 139+46.67 WHERE TYPE A UBAWS IS OVER 9" CONCRETE PAVEMENT.

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NOT TO SCALE

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:10:13 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	2

COUNTY: ST. LOUIS

JOB NO.: JSL0076B

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

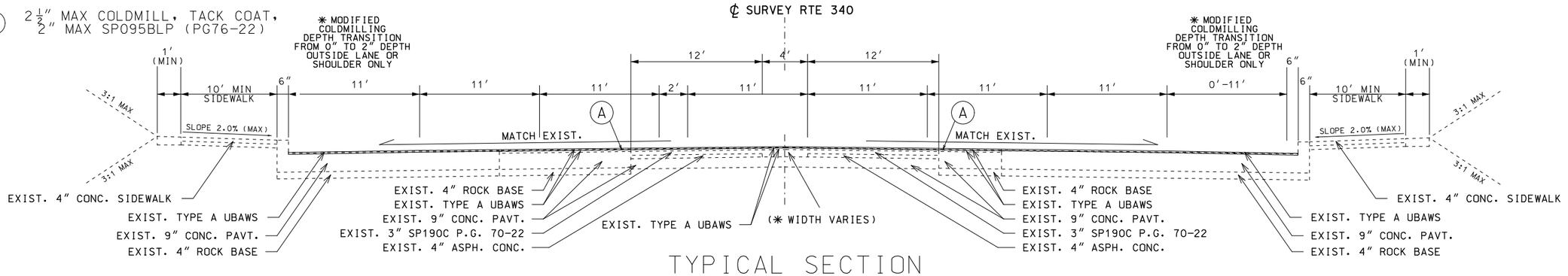
DESCRIPTION	DATE

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

TYPICAL SECTIONS
SHEET 8 OF 13

LEGEND

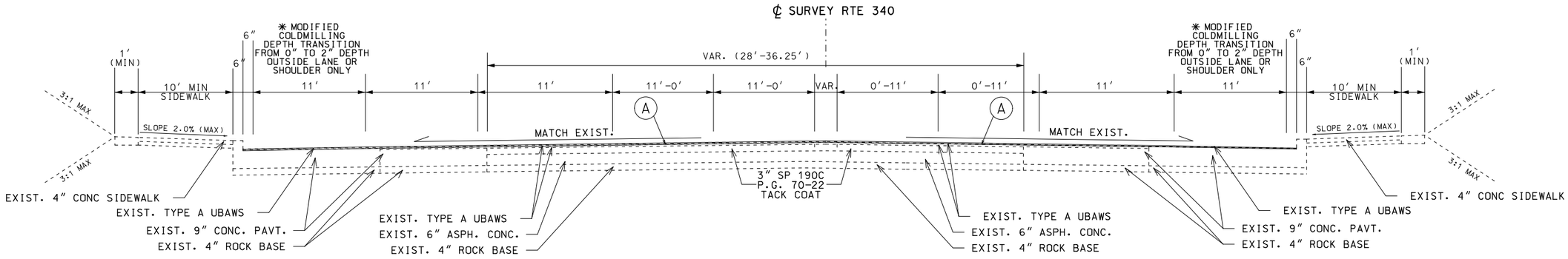
(A) 2½" MAX COLDMILL, TACK COAT, 2" MAX SP095BLP (PG76-22)



TYPICAL SECTION

ROUTE 340 (OLIVE BLVD)
STA 130+95.75 to STA 134+56.00

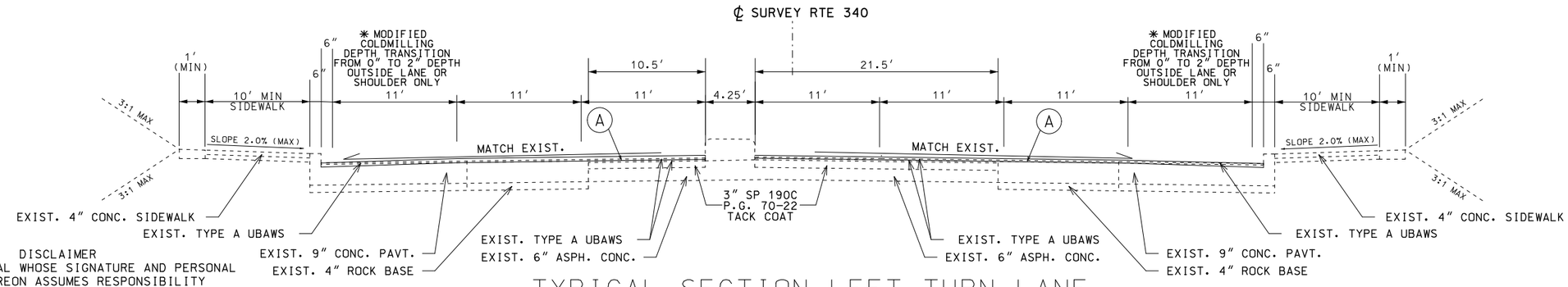
✳ MODIFIED COLDMILLING DEPTH TRANSITION FROM 0" TO 2" DEPTH IN OUTSIDE LANE OR SHOULDER ONLY FROM LT & RT STA 124+83.24 TO 139+46.67 WHERE TYPE A UBAWS IS OVER 9" CONCRETE PAVEMENT.



TYPICAL SECTION LEFT TURN LANE

STA 134+56.00 to STA 136+54.62

✳ MODIFIED COLDMILLING DEPTH TRANSITION FROM 0" TO 2" DEPTH IN OUTSIDE LANE OR SHOULDER ONLY FROM LT & RT STA 124+83.24 TO 139+46.67 WHERE TYPE A UBAWS IS OVER 9" CONCRETE PAVEMENT.



TYPICAL SECTION LEFT TURN LANE

STA 136+54.62 to STA 139+46.67

✳ MODIFIED COLDMILLING DEPTH TRANSITION FROM 0" TO 2" DEPTH IN OUTSIDE LANE OR SHOULDER ONLY FROM LT & RT STA 124+83.24 TO 139+46.67 WHERE TYPE A UBAWS IS OVER 9" CONCRETE PAVEMENT.

NOT TO SCALE

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STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 3:34:42 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/9/2026
ROUTE: 340 | STATE: MO
DISTRICT: SL | SHEET NO.: 2
COUNTY: ST. LOUIS
JOB NO.: JSL0076B
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

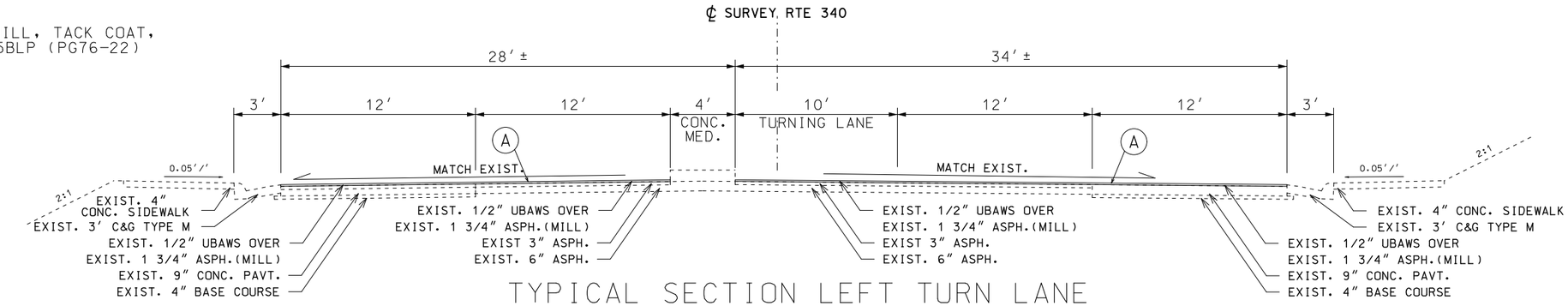
DESCRIPTION | DATE

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

TYPICAL SECTIONS
SHEET 9 OF 13

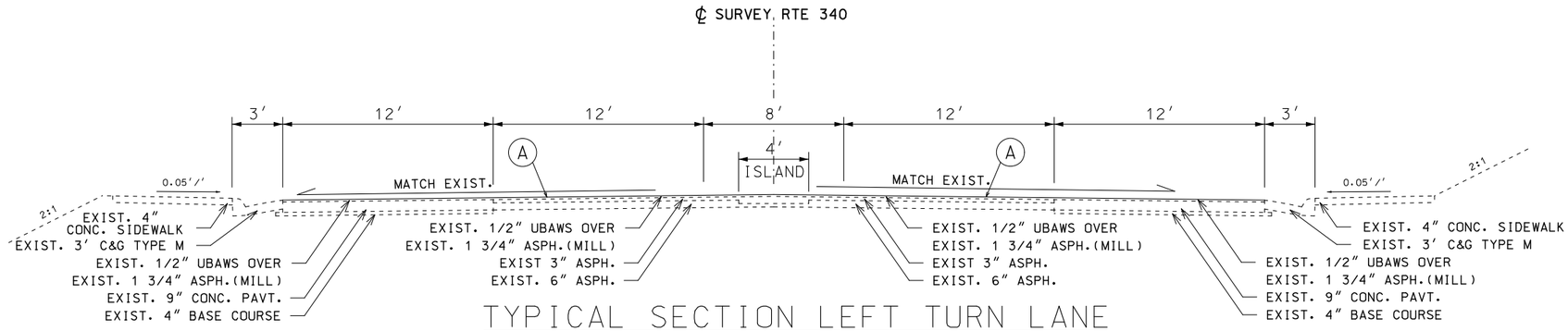
LEGEND

(A) 2 1/2" MAX COLDMILL, TACK COAT, 2" MAX SP095BLP (PG76-22)



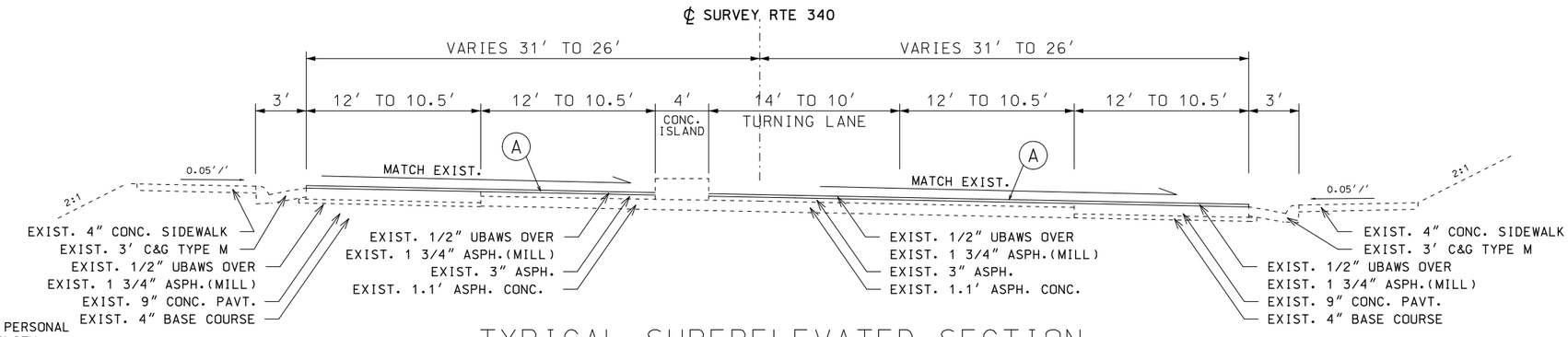
TYPICAL SECTION LEFT TURN LANE

ROUTE 340 (OLIVE BLVD)
STA 139+46.67 TO STA 142+42.75



TYPICAL SECTION LEFT TURN LANE

ROUTE 340 (OLIVE BLVD)
STA 142+42.75 TO STA 158+10.50



TYPICAL SUPERELEVATED SECTION

ROUTE 340 (OLIVE BLVD)
STA 158+10.50 TO STA 166+00

NOT TO SCALE

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STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 3:32:47 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/9/2026
ROUTE: 340 | STATE: MO
DISTRICT: SL | SHEET NO.: 2
COUNTY: ST. LOUIS
JOB NO.: JSL0076B
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

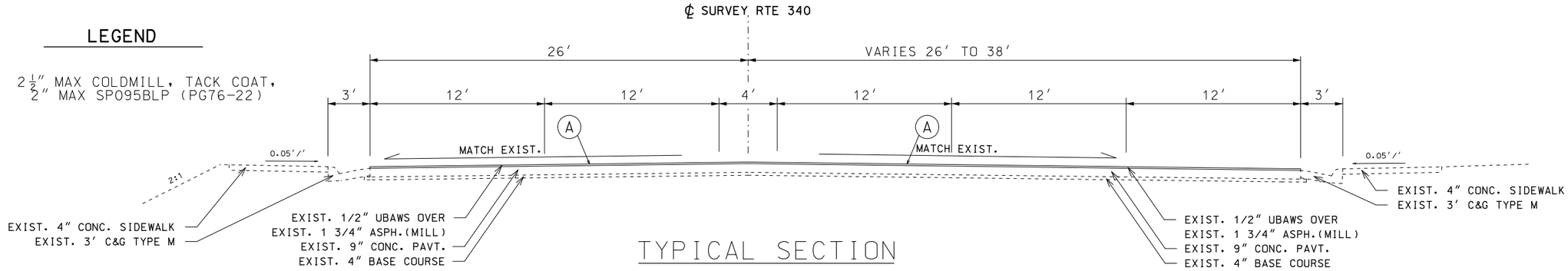
DESCRIPTION | DATE

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

TYPICAL SECTIONS
SHEET 10 OF 13

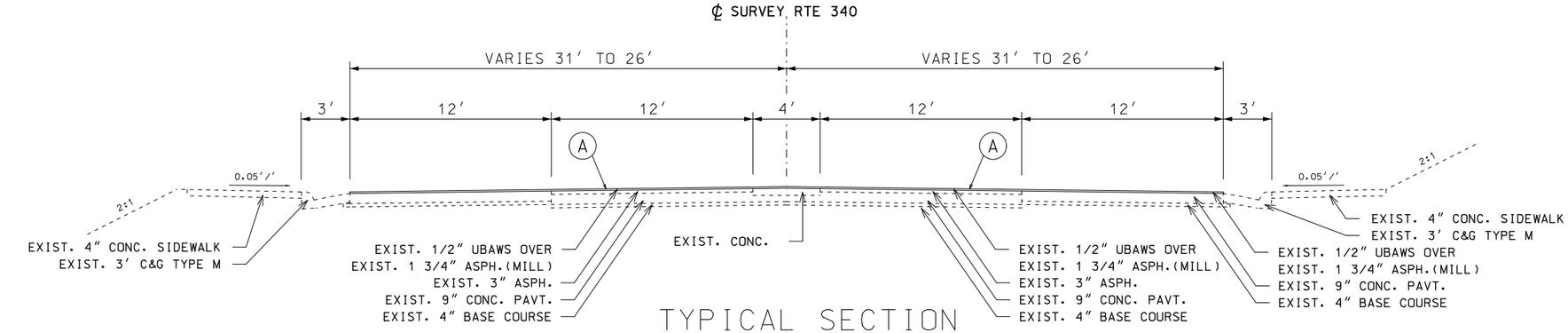
LEGEND

(A) $2\frac{1}{2}$" MAX COLDMILL, TACK COAT, 2" MAX SP095BLP (PG76-22)



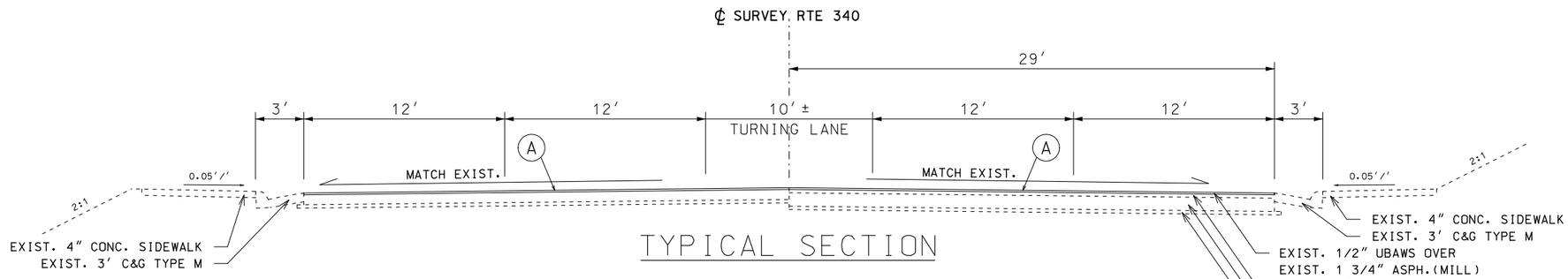
TYPICAL SECTION

ROUTE 340 (OLIVE BLVD)
STA 166+00 TO STA 180+42



TYPICAL SECTION

ROUTE 340 (OLIVE BLVD)
STA 180+42± TO STA 195+00
BRIDGE EXCEPTION
STA 180+99.05± TO STA 182+22.02±



TYPICAL SECTION

ROUTE 340 (OLIVE BLVD)
STA 195+00 TO STA 226+81.40

PAVING EXCEPTIONS
STA 195+61.35 TO STA 201+09.95
STA 209+49.65 TO STA 214+50.84

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STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 3:32:57 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/9/2026
ROUTE: 340
STATE: MO
DISTRICT: SL
SHEET NO.: 2
COUNTY: ST. LOUIS
JOB NO.: JSL0076B
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

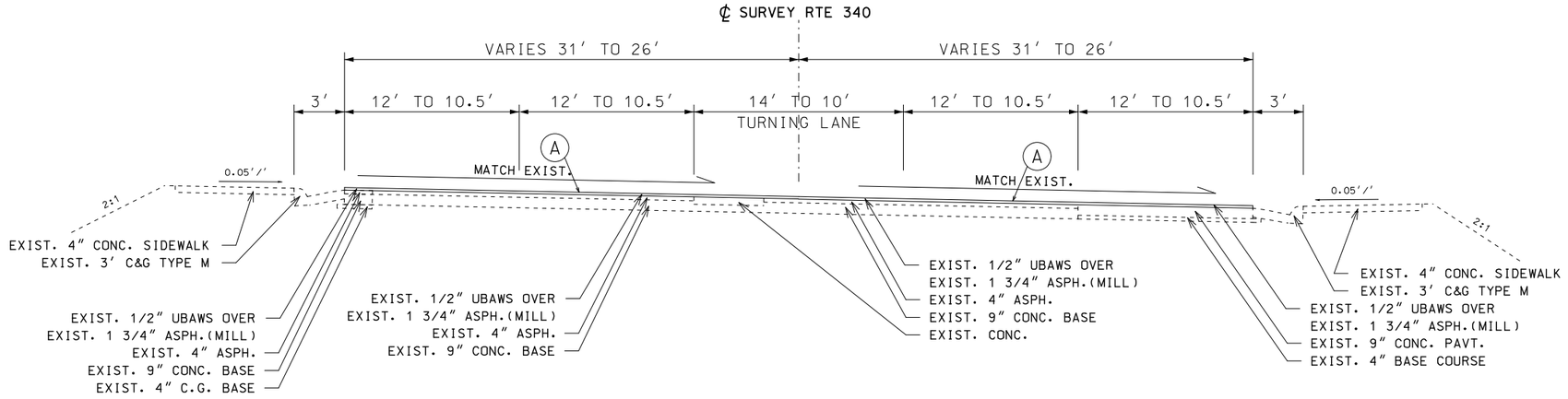
DESCRIPTION | DATE

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

TYPICAL SECTIONS
SHEET 11 OF 13

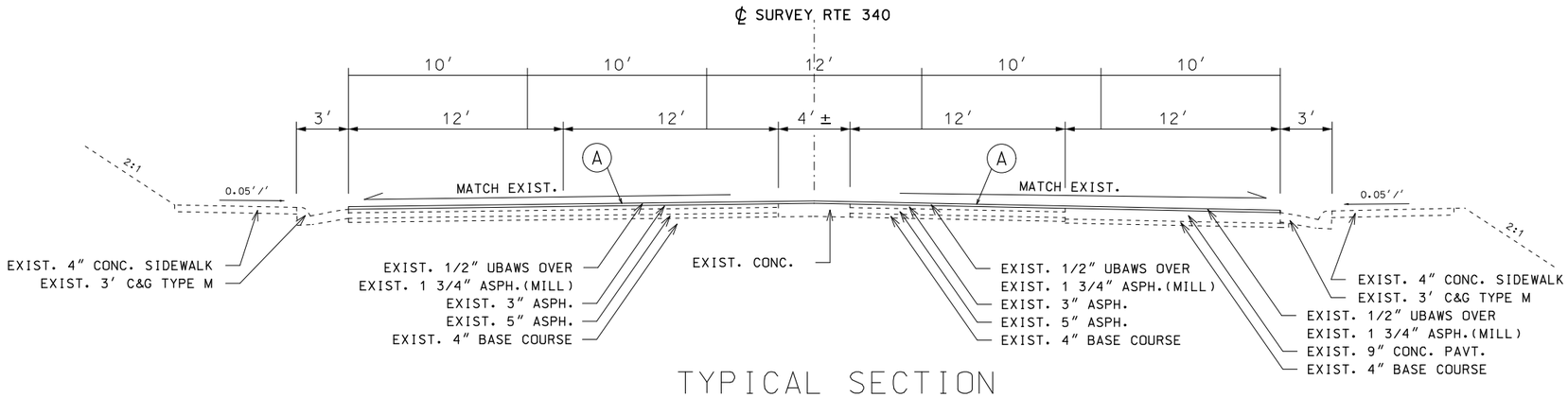
LEGEND

(A) $2\frac{1}{2}$" MAX COLDMILL, TACK COAT, 2" MAX SP095BLP (PG76-22)



TYPICAL SUPERELEVATED SECTION

ROUTE 340 (OLIVE BLVD)
STA 226+81.40 TO STA 232+23.67



TYPICAL SECTION

ROUTE 340 (OLIVE BLVD)
STA 232+23.67 TO STA 257+67.72

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STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 3:33:11 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

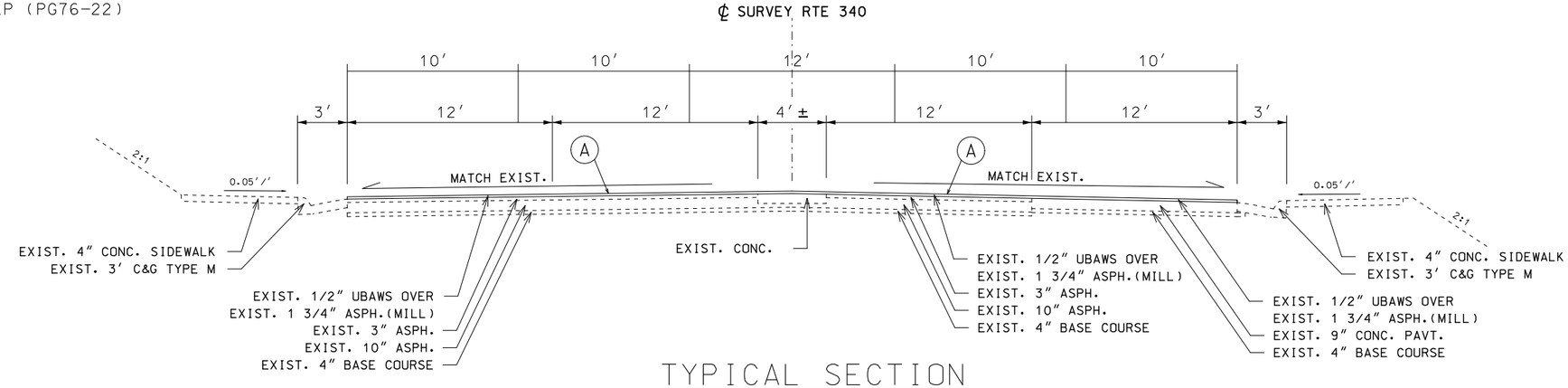
DESCRIPTION	DATE

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

TYPICAL SECTIONS
SHEET 12 OF 13

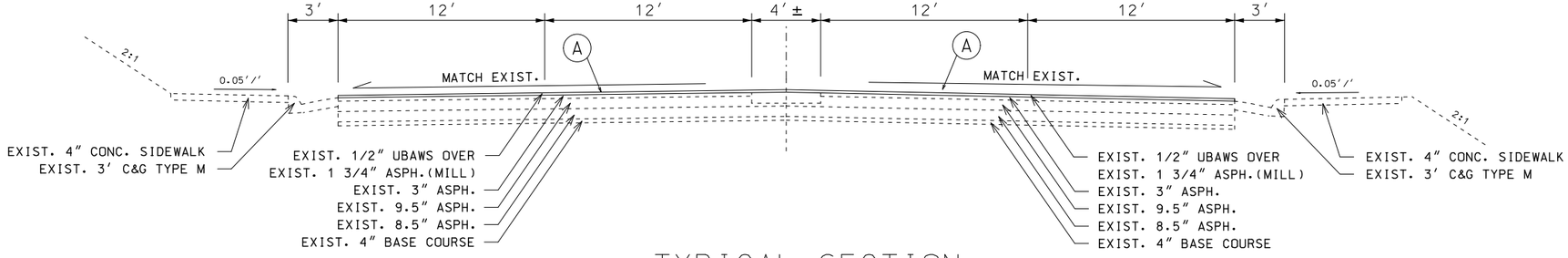
LEGEND

(A) $2\frac{1}{2}$" MAX COLDMILL, TACK COAT,
$2\frac{1}{2}$" MAX SP095BLP (PG76-22)



TYPICAL SECTION

ROUTE 340 (OLIVE BLVD)
STA 257+67.72 TO STA 274+64.30



TYPICAL SECTION

ROUTE 340 (OLIVE BLVD)
STA 274+64.30 TO STA 283+48.00

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STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/05/2026 3:33:35 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	2

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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

TYPICAL SECTIONS
SHEET 13 OF 13

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (1 OF 3)

PLAN SHEET NO.	STATION	STATION	RDWY	LF	SF	EA	DESCRIPTION
5	130+54.87	133+41.75	340		1721.28		SIDEWALK
5	130+54.87	133+41.75	340	286.88			CURB AND GUTTER
5	130+64.78	132+99.12	340	234.34			GUARDRAIL
5	132+09.64		340			1	ITS PULLBOX
5	133+37.73		340			1	ITS PULLBOX
5	133+41.54	133+63.48	340			1	CURB RAMP
5	133+65.77		340			1	INLET TOP
5	133+41.57	134+51.96	340		749		CONCRETE APPROACH
5	133+90.89	134+22.39	340			1	CURB RAMP
5	133+92.16	134+21.06	340		62.5		ENTRANCE ISLAND
5	134+36.58	134+57.62	340			1	CURB RAMP
6	143+24.46	143+41.47	340			1	CURB RAMP
7	150+30.80	151+40.93	340		642.09		SIDEWALK
8	150+30.81	151+40.94	340		642.09	1	SIDEWALK
7	150+36.94		340			1	TREE
7	150+86.35		340			1	TREE
7	151+37.28		340			1	TREE
7	176+30.05	157+06.74	340		623.49		SIDEWALK
8	30+53.80	31+18.63	340		327.92		SIDEWALK
8	31+18.63	31+42.73	340			1	CURB RAMP
8	31+40.36	31+67.61	340		216		CONCRETE APPROACH
8	31+53.18		340			1	INLET TOP
9	43+30.20	43+41.70	340		53.12		SIDEWALK
9	42+88.50	43+43.11	340	40.75			GUARDRAIL
10	81+90.18	81+98.65	340			1	CURB RAMP
10	81+90.35	82+11.33	340	20.98			CURB AND GUTTER
10	81+92.86	82+59.53	340		546.49		CONCRETE APPROACH
10	82+51.09	82+71.55	340			1	CURB RAMP
10	82+71.55	82+84.79	340		79.25		SIDEWALK
10	82+84.79	83+07.83	340			1	CURB RAMP
10	82+91.03	83+57.23	340		629.3		CONCRETE APPROACH
10	83+54.04	83+69.37	340			1	CURB RAMP
10	83+69.37	83+84.37	340			1	CURB RAMP
10	83+43.14	83+68.02	340	24.75			CURB AND GUTTER
10	83+68.02	83+75.49	340	8.15			CURB
11	103+53.69	103+63.97	340			1	CURB RAMP
11	103+52.85	103+90.05	340		210.08		CONCRETE APPROACH
11	103+80.14	103+90.51	340			1	CURB RAMP
11	104+88.65	105+18.88	340		251.05		CONCRETE APPROACH
11	106+99.96	107+19.97	340		100.14		SIDEWALK
11	108+08.98	108+20.83	340	12			CURB
11	112+11.39	112+18.93	340		50.17		SIDEWALK
12	113+68.01	133+79.61	340			1	CURB RAMP
12	113+72.22	113+84.82	340	13.4			CURB
12	114+67.60	114+74.59	340	5			CURB
12	115+20.49	115+35.01	340	9			CURB
12	117+61.76	117+77.01	340			1	CURB RAMP
12	117+61.76	117+72.28	340	7.5			CURB
12	118+50.56	120+15.72	340	48			CURB
12	121+00.62	121+09.74	340	9			CURB
12/13	126+86.77	128+07.32	340		775.0		MEDIAN ISLAND
13	139+44.10		340			1	INLET TOP
13	139+95.49		340			1	INLET TOP
14	149+26.12	152+34.98	340		1450		RAISED SHOULDER
14	149+26.12	152+34.98	340	256.1			CURB
14	149+56.00	149+95.01	340		282.6		CONCRETE APPROACH
14	151+21.69	151+59.06	340		284.3		CONCRETE APPROACH
14	151+59.06	151+86.16	340		175.9		CONCRETE APPROACH
14	152+27.54	152+81.70	340		442.3		CONCRETE APPROACH
14	152+73.95	153+83.18	340	139.5			CURB
14	152+89.09		340			1	SIGN (RELOCATED)
14	153+48.62		340			1	SIGN (RELOCATED)
15	165+71.08	166+14.75	340		284.8		SIDEWALK
15	167+26.39	167+32.34	340		46.4		SIDEWALK
16	171+25.75	171+43.92	340		103.1		SIDEWALK
16	173+37.50	173+43.50	340		39.9		SIDEWALK
16	174+02.34		340			1	INLET TOP
16	178+91.34		340			1	INLET TOP
16	180+36.28		340			1	INLET TOP

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (2 OF 3)

PLAN SHEET NO.	STATION	STATION	RDWY	LF	SF	EA	DESCRIPTION
18	196+38.37	196+75.09	340	33.7			CURB AND GUTTER
18	196+59.59	196+70.09	340			3	INLET TOP
18	196+77.26		340			1	INLET TOP
18	197+27.98	197+33.03	340		25		SIDEWALK
18	197+38.55	197+48.54	340		49.7		SIDEWALK
18	197+60.62	197+81.66	340			1	CURB RAMP
18	198+42.50	198+52.50	340		40.1		SIDEWALK
18	198+48.76	198+54.39	340	4.8			CURB AND GUTTER
18	198+94.52	199+02.51	340	8			CURB AND GUTTER
18	200+18.13	200+22.17	340		42		SIDEWALK
18	200+26.17	200+41.46	340			1	CURB RAMP
18	200+19.21	201+01.87	340		1357.7		CONCRETE APPROACH
19	208+81.09	208+85.09	340		16		SIDEWALK
19	208+86.08	209+62.26	340		746.4		CONCRETE APPROACH
19	211+42.50	211+54.16	340			1	CURB RAMP
19	212+15.64	212+20.59	340		25		SIDEWALK
19	212+95.88	212+99.84	340		22		SIDEWALK
19	213+13.53	213+65.81	340		660.9		CONCRETE APPROACH
20	224+06.24	224+55.99	340		486		CONCRETE APPROACH
20	226+41.77	226+45.77	340		16		SIDEWALK
20	227+12.83	227+17.83	340		34.6		SIDEWALK
20	226+41.77	226+45.77	340			1	INLET TOP
20	228+36.26	228+42.90	340		58.8		SIDEWALK
20	232+44.88	232+95.09	340		522.7		CONCRETE APPROACH
20	233+45.66		340			1	INLET TOP
20	233+47.64		340			1	INLET TOP
21	238+50.04	238+57.04	340	7			CURB AND GUTTER
21	247+49.00	247+54.00	340		34.5		SIDEWALK
21	248+49.36	248+51.36	340	2			CURB AND GUTTER
22	251+02.73	251+17.30	340			1	CURB RAMP
22	251+10.39	251+29.78	340	19.4			CURB AND GUTTER
22	251+18.42	251+25.42	340		20.3		SIDEWALK
22	251+27.36	253+23.92	340		770.7		SIDEWALK
22	262+36.32	262+41.32	340		21.2		SIDEWALK
22	262+67.21	262+79.11	340			1	CURB RAMP
23	262+76.40	265+89.29	340		1451.4		RAISED SHOULDER
23	267+42.87	270+72.30	340		215.5		RAISED SHOULDER
23	262+79.08	270+84.94	340	605.9			CURB AND GUTTER
23	268+59.33	268+90.51	340			3	TREES
23	270+72.36	270+80.36	340		61.2		SIDEWALK
23	272+45.09	273+11.80	340		852		SIDEWALK
24	279+13.90	279+76.12	340		506.7		SIDEWALK
24	280+05.97	280+27.73	340		135.1		SIDEWALK
24	281+18.32	281+52.88	340		278.1		CONCRETE APPROACH
24	281+44.74	281+66.37	340			1	CURB RAMP
24	281+66.37	281+92.96	340		133.7		SIDEWALK
56	143+27.67		340			1	TOP-MOUNT SIGNAL POLE AND ATTACHED EQUIPMENT
58	43+37.80		340			1	SIGNAL CABINET AND BASE (EQUIPMENT RELOCATED)
60	111+27.18		340			1	PUSH BUTTON DETECTOR AND PED SIGN
62	116+55.99		340			1	PUSH BUTTON DETECTOR
62	116+89.63		340			1	PUSH BUTTON DETECTOR
62	117+69.65		340			1	PUSH BUTTON DETECTOR
62	116+55.99	117+75.66	340			6	PED SIGNS
64	121+66.02		340			1	PED SIGNAL HEAD
64/65	124+44.90		340			1	PUSH BUTTON DETECTOR AND PED SIGN
64/65	125+12.13		340			1	PUSH BUTTON DETECTOR AND PED SIGN
64/65	125+90.19		340			1	PUSH BUTTON DETECTOR AND PED SIGN
64/65	126+71.60		340			1	PUSH BUTTON DETECTOR AND PED SIGN

* ALL VERTICAL SAW CUTS SHALL BE CONSIDERED INCIDENTAL TO REMOVALS OF IMPROVEMENTS

MOBILIZATION - 1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING - 1 LUMP SUM

SUMMARY OF QUANTITIES
SHEET 1 OF 8

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:41:59 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

QUANTITY SHEET

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (3 OF 3)

PLAN SHEET NO.	STATION	STATION	RDWY	LF	SF	EA	DESCRIPTION
67	133+73.80		340			1	SIGNAL POLE AND ATTACHED EQUIPMENT
67	133+69.68		340			1	PUSH BUTTON DETECTOR
69	139+30.68		340			1	PUSH BUTTON DETECTOR AND PED SIGN
69	139+32.22		340			1	PUSH BUTTON DETECTOR AND PED SIGN
69	139+29.82		340			2	PED SIGNS
69	140+03.16		340			1	PUSH BUTTON DETECTOR AND PED SIGN
69	140+10.83		340			1	PUSH BUTTON DETECTOR AND PED SIGN
69	140+05.28		340			2	PED SIGNS
71	162+03.71		340			2	PEDESTRIAN HEADS AND SIGNS
71	162+13.88		340			1	PEDESTRIAN HEAD AND SIGN
71	162+72.83		340			2	PEDESTRIAN SIGNAL HEADS AND SIGNS
71	162+81.65		340			1	PEDESTRIAN SIGNAL HEAD AND SIGN
73	171+55.70		340			1	PEDESTRIAN PUSH BUTTON AND SIGNS
73	171+55.95		340			2	PEDESTRIAN PUSH BUTTONS AND SIGNS
73	171+93.28		340			1	PEDESTRIAN PUSH BUTTON
73	172+12.67		340			1	PEDESTRIAN SIGNAL HEAD
73	172+21.54		340			2	PEDESTRIAN SIGNS
75	197+67.61		340			1	PEDESTRIAN SIGNAL HEAD AND SIGNS
75	197+73.65		340			1	SIGNAL STANCHION AND ATTACHED EQUIPMENT
75	198+54.12		340			1	PEDESTRIAN PUSH BUTTON AND SIGNS
75	198+39.06		340			1	PEDESTRIAN SIGNAL HEAD, PUSH BUTTON, AND PED SIGNS
77	227+34.52		340			2	PEDESTRIAN SIGNAL HEADS
77	227+36.10		340			1	PEDESTRIAN SIGNAL HEAD
77	228+27.30		340			1	PEDESTRIAN PUSH BUTTON
79	262+42.60		340			1	PEDESTRIAN PUSH BUTTON
81	280+37.92		340			1	PEDESTRIAN SIGNAL HEAD
81	208+43.54		340			1	PEDESTRIAN SIGN
81	280+51.04		340			1	PEDESTRIAN SIGN
81	280+43.60		340			2	PEDESTRIAN SIGNAL HEADS AND SIGNS
81	280+94.92		340			1	PEDESTRIAN STANCHION AND ATTACHED EQUIPMENT
81	281+09.91		340			1	PEDESTRIAN SIGN
81	281+01.84		340			2	PEDESTRIAN SIGNS
VAR.	VAR.		340			5	CURB INLETS
		PAY TOTALS		1 LUMP SUM			

* ALL VERTICAL SAW CUTS SHALL BE CONSIDERED INCIDENTAL TO REMOVALS OF IMPROVEMENTS

UTILITY ADJUSTMENTS AND CONCRETE MANHOLE COLLARS

PLAN SHEET NO.	RDWY	STA	LOC	ADJUST TO GRADE: MISC. MANHOLE EACH	ADJUST TO GRADE: MISC. VALVES EACH	CONCRETE MANHOLE COLLAR EACH	POTHOLING UTILITY FACILITIES EACH	FILL EXISTING INVESTIGATION POTHOLES IN PAVEMENT EACH	REMARKS
5	340	134+57.32	LT	1					AT CURB RAMP R&R
8	340	30+99.95	LT		2				GAS VALVES
14	340	149+32.51	LT		2				GAS VALVES
14	340	153+44.65	LT		1				WATER VALVE
18	340	200+51.00	RT		1				WATER VALVE (REMLEY CT ENT.)
19	340	209+43.13	LT		1				GAS VALVE
19	340	211+44.65	RT		1				GAS VALVE
20	340	230+23.23	RT		1				WATER VALVE
23	340	262+84.87	LT		1				GAS VALVE
24	340	281+46.27	LT		1				WATER VALVE
VAR.*	340	VAR.*	VAR.*			5			
VAR.*	340	VAR.*	VAR.*					18	
VAR.*	341	VAR.*	VAR.*				2		
			SUBTOTALS	1	11	5	2	18	
			PAY TOTALS	12		5	2	18	

*LOCATION TO BE DETERMINED BY ENGINEER

TURF TYPE TALL FESCUE SODDING - 869 SY

* LOCATIONS TO BE DETERMINED BY THE ENGINEER

ADDITIONAL MOBILIZATION FOR SEEDING - 2 EA.

* USED FOR SODDING

ITS

PLAN SHEET NO	RDWY	STA	STA	LOC	PULL BOX, PREFORMED CLASS II EA.	CONDUIT SYSTEM ADJUSTMENT OR REPAIR EA.	CONDUIT AND CABLE ADJUSTMENT L.F.	CCTV CAMERA ASSEMBLY EA.	INSTALL NEW CCTV CAMERA EA.	WALL-MOUNT FIBER INTERCONNECT CENTER EA.	RELOCATE EXISTING COMMUNICATION EQUIPMENT EA.	INSTALL MODOT FURNISHED IP ADDRESSABLE POWER STRIP EA.	MODOT ITS ASSETS RELOCATION (LF)	SM FIBER OPTIC JUMPER EA.	SM FIBER OPTIC PIGTAIL EA.	FUSION SPLICE EA.	REMARKS
59	340	43+41		RT				1	1	1	1	1		4	4	14	
104	340	132+05	133+32	LT	1.0		700										
VAR.	340	VAR.	VAR.	VAR.		2.0							100				TO BE DETERMINED BY ENGINEER
				SUBTOTALS	1.0	2.0	700.0	1.0	1.0	1.0	1.0	1.0	100.0	4.0	4.0	14.0	
				PAY TOTALS	1.0	2.0	700	1	1	1	1	1	100	4	4	14	

PAVEMENT

PLAN SHEET NO.	STATION	STATION	RDWY	LOCATION	AREA S.F.	AREA S.Y.	COLDMILL BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING 3" OR LESS S.Y.	MODIFIED COLDMILLING (DEPTH TRANSITIONS) S.Y.	2" HIGH TENSILE STRENGTH SYNTHETIC FIBER ASPHALTIC BONDED PAVEMENT SP095BLP W/ PG76-22 (1.9 TONS/CY) TON	VAR DEPTH HIGH TENSILE STRENGTH SYNTHETIC FIBER ASPHALTIC BONDED PAVEMENT SP095BLP W/ PG76-22 OVERLAY (1.9 TONS/CY) TON	MODIFIED TACK COAT GAL	REMARKS
5	133+41.53	134+51.96	340	LT	1161.6	129.1				16.0		ENTRANCE
12-18	124+83.24	181+15.76	340	EB & WB	374195.0	41577.2	41577.2		4388.7		4157.7	MAINLINE
17-18	182+08.06	195+61.51	340	EB & WB	75194.5	8354.9	8354.9		881.9		835.5	MAINLINE
18-19	201+10.01	209+49.79	340	EB & WB	51986.7	5776.3	5776.3		609.7		577.6	MAINLINE
19-24	214+51.07	283+48.00	340	EB & WB	392711.3	43634.6	43634.6		4605.9		4363.5	MAINLINE
VAR.	VAR.	VAR.	340	VAR.				10.0				TO BE DETERMINED BY ENGINEER
						SUBTOTALS	99343.0	10.0	10486.2	16.0	9934.3	
						PAY TOTALS	99343	10	10502		9934	

SUMMARY OF QUANTITIES
SHEET 2 OF 8

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:42:15 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/24/2026
ROUTE: 340 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: JSL0076B
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

QUANTITY SHEET

PERMANENT PAVEMENT MARKING

PLAN SHEET NO.	STA	STA	RDWY	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)					PREFORMED THERMOPLASTIC PAVEMENT MARKING							REMARKS
				6 IN. S.W. L.F.	6 IN. I.W. L.F.	6 IN. D.W. L.F.	4 IN. S.Y. L.F.	4 IN. I.Y. L.F.	24 IN. S.W. STOP BAR L.F.	24 IN. S.W. MIDBLOCK L.F.	LEFT ARROW EA.	RIGHT ARROW EA.	STR ARROW EA.	STR/RIGHT COMBINATION EA.	"ONLY" TEXT EA.	
6	135+28.90	148+84.87	340							84						
90	102+25.99	113+50.00	WB 340	1856.6	349.3	40.1	1160.3	123.5	76.3	168	5	2		1	2	INCL. TWO-WAY LEFT-TURN LANE
90	102+25.99	113+50.00	EB 340	1595.9	239.7	42.7	1162	120.5	67	78	2			3		
91	113+50.00	127+01.24	WB 340	2493	290.1	288.5	981.6		143.1	166	6			1		
91	113+50.00	127+01.24	EB 340	2616	193.2	320.7	992		144.3	392	7	1		3		
92	127+01.24	140+52.53	WB 340	1841.8	506.8	30.4	1123.1		118.2	306	6	2		3		
92	127+01.24	140+52.53	EB 340	3003.5	148.8	95.6	1122.7		131.1	342	8	6				
93	140+52.53	154+02.55	WB 340	1697.9	278.3		1267.5	257.56			8					INCL. TWO-WAY LEFT-TURN LANE
93	140+52.53	154+02.55	EB 340	1276.3	337.1		1349.5	256.8								
94	154+02.55	167+52.55	WB 340	1309.6	284.8		1163	259.4	22.2	120	4					INCL. TWO-WAY LEFT-TURN LANE
94	154+02.55	167+52.55	EB 340	1616.6	271.4		1210.4	254.2	31.7	72	1					
95	167+52.55	181+02.65	WB 340	1443.3	284.6		875.7	216.3	31.1	96	5					INCL. TWO-WAY LEFT-TURN LANE
95	167+52.55	181+02.65	EB 340	975.8	290.8		1270	219.1	31.1	132	1					
96	181+02.65	194+52.65	WB 340	1153	337.5		1498.5	268.8	22.3		8					INCL. TWO-WAY LEFT-TURN LANE
96	181+02.65	194+52.65	EB 340	1205	337.5		1451	270.8								
97	194+52.65	208+02.39	WB 340	803.6	200.7		798.9	197.5			2					INCL. TWO-WAY LEFT-TURN LANE
97	194+52.65	208+02.39	EB 340	799.2	200.6		744.5	186.1								
98	208+02.39	221+50.03	WB 340	768.2	208.5		771.8	156.1			4					INCL. TWO-WAY LEFT-TURN LANE
98	208+02.39	221+50.03	EB 340	853.1	213.3		715.8	157.9								
99	221+50.03	235+07.96	WB 340	1467	277.6		1201.1	252.7	33.6	168	5					INCL. TWO-WAY LEFT-TURN LANE
99	221+50.03	235+07.96	EB 340	1654.3	258.6		1034.6	194.2	63.7	168	1					
100	235+07.96	248+64.06	WB 340	1270.4	339.1		1352.3	338.1			6					INCL. TWO-WAY LEFT-TURN LANE
100	235+07.96	248+64.06	EB 340	1277.7	335.9		1347.7	336.9								
101	248+64.06	262+11.52	WB 340	1119.7	330		1322	280.9			4					INCL. TWO-WAY LEFT-TURN LANE
101	248+64.06	262+11.52	EB 340	1774.9	287.4		1278.1	275.6	10		1					
102	262+11.52	275+61.52	WB 340	1502.3	261.8		1196.2	258.2	58.8	132	5					INCL. TWO-WAY LEFT-TURN LANE
102	262+11.52	275+61.52	EB 340	1106.4	301.8		1109.5	228.4	46.6	132	2	2	2			
103	275+61.52	283+48	WB 340	898.9362	149.4		688.6	49.4	35.2	114	2					
103	275+61.52	283+48	EB 340	1138.2	117.5		650.4	51	33.3	114	1					
			SUBTOTALS	40518.2362	7632.1	818	30838.8	5209.96	1099.6	2784	94	13	2	11	2	
			PAY TOTALS	48969			36049		3884		107		2	11	2	

TEMPORARY EROSION CONTROL

PLAN SHEET NO.	RDWY	STA	STA	LOC	DEPTH IN.	SILT FENCE L.F.	CURB INLET CHECK L.F.	SEDIMENT REMOVAL C.Y.	REMARKS
5	340	130+30.00	134+59.07	LT		430.0		4.3	AT SIDEWALK, TYPE B BARRIER WALL & PAVED APPROACH
5	340	134+05.00		LT			1.0	1.0	COMMERCIAL ENT. D.I.
7	340	150+25.00	157+10.00	RT		202.0		2.0	AT SIDEWALK R&R
7	340	150+33.80		RT			1.0	1.0	AT D.I.
8	340	30+43.00	31+71.00	LT		116.0		1.2	SIDEWALK AND COMMERCIAL ENT. R&R
8	340	31+66.11		LT			1.0	1.0	AT CURB INLET
12	340	117+60.61		LT			1.0	1.0	AT GRATED INLET
20	340	228+48.53		RT			1.0	1.0	AT CURB INLET MIDLAND BLVD.
22	340	251+06.00	253+38.00	LT		232.0		2.3	AT SIDEWALK AND CURB RAMP R&R
22	340	251+16.67		LT			1.0	1.0	AT AREA INLET
22	340	251+24.46		LT			1.0	1.0	AT GRATED CURB INLET
23	340	262+74.00	273+15.00	LT		390.0		3.9	AT SIDEWALK AND CURB RAMP R&R
24	340	279+10.00	279+80.00	RT		70.0		0.7	AT SIDEWALK R&R
24	340	280+00.00	280+30.00	LT		30.0		0.3	AT SIDEWALK R&R
					SUBTOTALS	1470.0	7.0	21.7	
					PAY TOTALS	1470	7	22	

PAVEMENT MARKING REMOVAL WITHIN CONCRETE SURFACES - 1 LUMP SUM

TEMPORARY PAVEMENT MARKING PAINT - 1 LUMP SUM

SUMMARY OF QUANTITIES
SHEET 3 OF 8

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:42:26 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE 340 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. JSL0076B
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

QUANTITY SHEET

PAVEMENT REPAIRS

PLAN SHEET NO.	LANE #	LOG MILE	RDWY	DIRECTION	WIDTH FT	LENGTH FT	FULL DEPTH PAVEMENT REPAIR: FURNISHING & PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIR S.Y.	FULL DEPTH PAVEMENT REPAIR: SUBGRADE COMPACTION (6 IN DEPTH) S.Y.	FULL DEPTH PAVEMENT REPAIR: TYPE 1 OR 5 AGGREGATE FOR BASE (4 IN THICK) S.Y.	FULL DEPTH PAVEMENT REPAIR SAW CUT L.F.	FULL DEPTH PAVEMENT REPAIR: DOWEL BAR FOR FULL DEPTH PVMT REPAIR EA.	DESCRIPTION
13	2	16.426	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
13	2	16.492	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
14	1	16.810	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
14	1	16.845	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
14	2	16.845	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
14	1	16.872	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
14	2	16.872	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
14	2	16.883	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
15	2	17.088	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
16	2	17.212	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
16	2	17.332	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
16	2	17.403	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
16	1	17.404	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
17	2	17.424	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
17	2	17.479	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
17	2	17.549	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
19	1	18.157	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
19	2	18.157	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
20	2	18.274	340	EB	4	15	6.7	0.7	0.7	38.0	8.0	
20	2	18.276	340	EB	4	8	3.6	0.4	0.4	24.0	8.0	
20	2	18.362	340	EB	12	6	8.0	0.8	0.8	36.0	24.0	
24	2	19.274	340	EB	6	10	6.7	0.7	0.7	32.0	12.0	
								0.0				
19	2	1.302	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
19	2	1.303	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
18	2	1.554	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
18	2	1.556	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
18	2	1.557	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
18	2	1.579	340	WB	12	10	13.3	1.3	1.3	44.0	24.0	
18	2	1.594	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
17	2	1.765	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
17	2	1.809	340	WB	4	10	4.4	0.4	0.4	28.0	8.0	
16	2	1.895	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
16	2	1.995	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
16	2	2.019	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
16	1	2.035	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
16	2	2.035	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
16	2	2.076	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
16	2	2.097	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
16	2	2.113	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
16	2	2.123	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
15	2	2.142	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
15	2	2.191	340	WB	6	12	8.0	0.8	0.8	36.0	12.0	
15	2	2.205	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
15	2	2.279	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
15	2	2.313	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
14	1	2.448	340	WB	12	6	8.0	0.8	0.8	36.0	24.0	
VAR.			340	EB & WB			72.5	7.3	7.3	164.2	103.2	LOCATION TBD BY ENGINEER
						SUBTOTALS	435.2	43.6	43.6	1,806.2	1,135.2	
						PAY TOTALS	435	44	44	1806	1135	

* SEE SUMMARY OF TYPE 5 AGGREGATE BASE FOR PAY TOTALS.
** PAID FOR IN 'REMOVALS OF IMPROVEMENTS' PAY ITEM.
*** AREAS AND LOCATIONS OF PAVEMENT REPAIRS ARE AN APPROXIMATION.

SUMMARY OF QUANTITIES
SHEET 4 OF 8

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:42:35 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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

QUANTITY SHEET

ISLANDS, TUBULAR MARKERS, AND CURB REFLECTORS

PLAN SHEET NO.	RDWY	STA	STA	LOC	6" CONCRETE MEDIAN STRIP S.Y.	18 IN. WHITE ISLAND TUBULAR MARKERS EA.	18 IN. YELLOW ISLAND TUBULAR MARKERS EA.	36 IN. YELLOW ISLAND TUBULAR MARKERS EA.	CURB REFLECTORS (WHITE) EA.	CURB REFLECTORS (YELLOW) EA.	REMARKS
5	340	133+90.86	134+22.24	LT	14.9	2.0			10.0		NEW CUT THOUGH ISLAND AT COMMERCIAL ENTRANCE
11	340	108+55.82	110+32.11	CL			2.0			22.0	EXIST. MEDIAN ISLAND
11	340	111+25.00		RT		3.0			9.0		EXIST. ISLAND
11-12	340	111+57.73	116+78.66	CL			2.0			58.0	EXIST. MEDIAN ISLAND
12	340	118+04.76	122+28.32	CL			2.0			48.0	EXIST. MEDIAN ISLAND
12	340	122+26.86	123+47.59	LT		2.0			6.0		EXIST. OFF RAMP ISLAND NOSES
12	340	124+96.09	126+18.98	LT		2.0			6.0		EXIST. ON RAMP ISLAND NOSES
12-13	340	125+61.00	129+90.47	CL	152.8		2.0			48.0	EXIST. MEDIAN ISLAND
13	340	128+52.34	129+23.64	LT					6.0		EXIST. ENTRANCE ISLAND
13	340	129+19.09	129+59.91	RT					9.0		EXIST. ENTANCE ISLAND
13	340	136+53.14	139+15.74	CL			2.0			32.0	EXIST. MEDIAN ISLAND
13-14	340	140+22.58	142+93.34	CL			2.0			32.0	EXIST. MEDIAN ISLAND
15	340	160+04.41	162+03.98	CL			2.0			26.0	EXIST. MEDIAN ISLAND
15	340	162+84.02	163+21.75	CL			2.0			8.0	EXIST. MEDIAN ISLAND
16-17	340	180+53.39	182+66.19				2.0			14.0	EXIST. ROADWAY MEDIAN ISLAND ONLY
16-17	340	180+53.39	182+66.19	CL	55.2					12.0	BRIDGE MEDIAN ISLAND
18	340	195+61.53	197+63.28	CL			2.0			26.0	EXIST. MEDIAN ISLAND
18	340	198+53.08	201+10.06	CL			2.0			32.0	EXIST. MEDIAN ISLAND
19	340	209+49.80	211+26.35	CL			2.0			24.0	EXIST. MEDIAN ISLAND
19	340	212+37.00	214+51.09	CL			2.0			28.0	EXIST. MEDIAN ISLAND
20	340	225+23.87	227+50.51	CL			2.0			26.0	EXIST. MEDIAN ISLAND
20	340	228+50.87	230+43.40	CL			2.0			26.0	EXIST. MEDIAN ISLAND
22	340	260+09.44	261+85.86	CL			2.0			22.0	EXIST. MEDIAN ISLAND
23	340	263+53.61	265+03.64	CL			2.0			20.0	EXIST. MEDIAN ISLAND
24	340	278+03.65	280+28.31	CL			2.0			26.0	EXIST. MEDIAN ISLAND
24	340	281+17.46		CL			1.0			3.0	EXIST. MEDIAN ISLAND (NOSE ONLY)
102	340	129+95.41	131+75.20	3' LT				37.0			BETWEEN S.Y. STRIPING, 5' SPACING
				SUBTOTALS	222.9	9.0	37.0	37.0	46.0	533.0	
				PAY TOTALS	223.0	46.0		37.0	579.0		

DITCH CLEANOUT AND LINEAR GRADING

PLAN SHEET NO.	RDWY	STA	STA	LOC	CULVERT CLEANOUT EA.	LINEAR GRADING CLASS II, MODIFIED STA.	REMARKS
5	340	130+58.97	134+57.50	LT		2.85	SIDEWALK & CURB RAMP R&R
6	340	143+24.00	143+40.99	LT		0.17	CURB RAMP R&R
7	340	150+30.05	157+06.67	RT		1.86	SIDEWALK R&R
8	340	30+53.06	31+42.00	LT		0.90	SIDEWALK & CURB RAMP R&R
9	340	43+28.90	43+39.04	RT		0.10	SIDEWALK R&R
10	340	81+89.64	83+82.94	LT		1.93	SIDEWALK & CURB RAMP R&R
11	340	103+53.62	113+50.00	LT		0.65	SIDEWALK R&R
12	340	113+50.00	127+01.24	LT		0.33	SIDEWALK & CURB RAMP R&R
13	340	140+08.92	140+15.42	RT		0.06	CURB RAMP R&R
14	340	140+52.53	154+02.55	LT		3.69	SIDEWALK & CURB RAMP R&R
15	340	154+02.55	167+52.55	LT		0.50	SIDEWALK R&R
16	340	167+52.55	181+02.65	LT & RT		0.24	SIDEWALK R&R
18	340	194+52.65	208+02.39	LT & RT		0.73	SIDEWALK & CURB RAMP R&R
19	340	208+02.39	221+50.03	LT & RT		0.24	SIDEWALK & CURB RAMP R&R
20	340	221+50.03	235+07.96	LT & RT		0.23	SIDEWALK & CURB RAMP R&R
21	340	247+48.96	247+53.96	LT		0.10	SIDEWALK R&R
22	340	248+64.06	262+11.52	LT & RT		2.65	SIDEWALK & CURB RAMP R&R
23	340	262+11.52	275+61.52	LT & RT		5.00	SIDEWALK & CURB RAMP R&R
24	340	275+61.52	283+48.00	LT & RT		1.12	SIDEWALK & CURB RAMP R&R
VAR.	340	VAR.	VAR.	VAR.	14		TBD BY ENGINEER
				SUBTOTALS	14	23.35	
				PAY TOTALS	14	23.4	

INLET/MANHOLE TOP REPLACEMENT

PLAN SHEET NO.	CULVERT SECTION SHEET NO.	STA	RDWY	LOC	GRATED INLET REPAIR/ REPLACEMENT LF.	CURB INLET TOP REPAIR/ REPLACEMENT EA.	CURB INLET EA.	REMARKS
5	340	133+66.28	340	LT	3.0			COMMERCIAL ENT. D.I.
8	340	31+66.11	340	LT		1		
13	340	139+44.10	340	LT		2		REINFORCED LID
13	340	139+95.49	340	LT		2		
16	340	174+02.27	340	RT		1		
16	340	178+91.28	340	RT		1		
16	340	180+36.28	340	LT		1		
18	340	196+64.78	340	LT		3		
18	340	196+77.21	340	RT		1		
20	340	228+48.61	340	RT		1		SE CORNER OF MIDLAND BLVD @ RTE. 340
20	340	233+45.78	340	LT		1		
20	340	233+47.59	340	RT		1		
24	340	280+45.88	340	LT		1		NW CORNER OF FERGUSON AVE @ RTE 340
VAR.	340	VAR.	340	VAR.			5	TBD BY ENGINEER
				SUBTOTALS	3.0	16.0	5.0	
				PAY TOTALS	3.0	16.0	5.0	

SUMMARY OF QUANTITIES
SHEET 5 OF 8

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2009019687
PROFESSIONAL ENGINEER
03/24/2026 1:42:43 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2009019687

DATE PREPARED: 3/24/2026
ROUTE: 340 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: JSL0076B
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

QUANTITY SHEET

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.	TYPE 5 AGG. FOR BASE (6 IN. THICK) S.Y.	TRUNCATED DOMES S.F.	ADA CURB RAMP EA.	SIDEWALK HAND-RAILING W/O BALUSTERS L.F.	REMARKS
5	340	130+55	130+65	LT	60.4	6.7	6.7					
5	340	133+20	133+41	LT	123.5	13.7		13.7				
5	340	134+38	134+58	LT						1		
6	340	143+24	143+40	LT					23.0	1		
7	340	150+30	151+41	RT	643.0	71.4	71.4					
7	340	156+30	157+07	RT	623.5	69.3	51.2	18.1				
8	340	30+53	31+39	LT	327.9	36.4	22.5	13.9		1		
9	340	43+39	43+41	RT	382.3	42.5	42.5					
10	340	81+89	83+06	LT	129.5	14.4	14.4			3		
10	340	83+34	83+83	LT					20.4	3	30	
10	340	83+52	83+61	LT	48.7	5.4	1.7					
11	340	103+3	103+40	LT	184.1	20.5	20.5					
11	340	110+41	110+61	LT	100.1	11.1	11.1					
11	340	113+32	113+40	LT	50.2	5.6	5.6					
12	340	113+70		LT					12.0	1		
12	340	117+63		LT					14.0	1		
13	340	140+09	140+15	LT	17.5	1.9		1.9				
14	340	149+26	149+95	LT						3		
14	340	150+10	151+29	LT	580.8	64.5	62.1	2.4		1		
14	340	151+53	151+66	LT	46.0	5.1	5.1					
14	340	151+80	152+34	LT	66.0	7.3	7.3			2		
14	340	152+75	153+82	LT	414.1	46.0	15.5	30.5		2		
15	340	165+71	166+15	LT	284.8	31.6	31.6					
15	340	167+26	167+32	LT	46.4	5.2	5.2					
16	340	171+26	171+44	LT	103.1	11.5	11.5					
16	340	173+37	173+43	RT	39.9	4.4	4.4					
18	340	197+28	197+81	LT	74.6	8.3		8.3	26.0	1		
18	340	198+42	198+52	RT								
18	340	200+18	200+22	LT	42.0	4.7	4.7					
18	340	200+36		RT					7.9	1		
19	340	208+81	208+85	LT	16.0	1.8	1.8					
19	340	211+42		RT					26.2	1		
19	340	212+16	212+21	LT	25.0	2.8		2.8				
19	340	212+96	213+00	LT	22.0	2.4		2.4				
20	340	226+39	226+43	LT	16.0	1.8	1.8					
20	340	227+27	227+32	RT	34.6	3.8	3.8					
20	340	228+50	228+55	RT	58.8	6.5		6.5				
20	340	231+01	231+05	LT	16.0	1.8	1.8					
21	340	247+49	247+54	LT	34.5	3.8	3.8					
22	340	251+05	253+40	LT	963.4	107.0	83.5	23.5	15.1	2		
23	340	262+36	262+41	RT	17.5	1.9	1.9					
23	340	262+67	262+90	LT	146.9	16.3	16.3		10.0	2		
23	340	263+60	263+98	LT						2		
23	340	264+09	264+93	LT	239.6	26.6	26.6			2		
23	340	265+22	266+01	LT	202.1	22.5	22.5			2	12	
23	340	266+31	267+11	LT	199.0	22.1	22.1			2		
23	340	267+43	268+01	LT	106.3	11.8		11.8	10.0	2		
23	340	268+44	269+04	LT	80.4	8.9	8.9		13.0	2	12	
23	340	269+63	270+80	LT	568.0	63.1	63.1			1		
23	340	272+45	273+12	LT	852.0	94.7	64.1	30.6				
24	340	279+14	279+76	RT	506.7	56.3	56.3					
24	340	280+06	280+28	LT	135.1	15.0		15.0				
24	340	281+44	281+93	LT	133.7	14.9	14.9			1		
VAR.	340	VAR.	VAR.	VAR.		20.0	20.0					TBD BY ENGINEER
					SUBTOTALS	972.9	801.5	167.7	177.6	40.0	54.0	
					PAYTOTALS	973	*	*	178	40	54	

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

ENTRANCES AND STREET CONNECTIONS

PLAN SHEET NO.	RDWY	STA	LOC	PAVED APPROACH, 8 IN. S.Y.	4 IN. TYPE 5 AGGREGATE BASE S.Y.	LINEAR GRADING CLASS 1 STA.	REMARKS
5	340	134+07	LT	83.2	83.2	0.1	
8	340	31+53	LT	24.0	24.0		
10	340	82+36	LT	60.7	60.7	0.2	
10	340	82+30	LT	69.9	69.9	0.2	
11	340	105+06	RT	27.9	27.9		
14	340	149+75.97	LT	31.4	31.4		
14	340	151+40.54	LT	31.6	31.6		
14	340	151+72.89	LT	19.5	19.5		
14	340	152+54.52	LT	49.1	49.1		
18	340	200+63	RT	92.4	92.4		
19	340	209+29	LT	82.9	82.9		
19	340	213+40	LT	73.4	73.4		
20	340	224+29	RT	54.0	54.0		
20	340	232+70	LT	58.1	58.1		
23	340	263+46	LT	29.1	29.1		
23	340	264+03	LT	17.4	17.4		
23	340	265+08	LT	41.7	41.7		
23	340	266+16	LT	58.0	58.0		
23	340	267+26	LT	71.3	71.3		
23	340	269+35	LT	70.9	70.9		
24	340	273+69	LT	30.9	30.9		
			SUBTOTALS	1077.4	1077.4	0.5	
			PAY TOTALS	1077	*	0.5	

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

MONOLITHIC SIDEWALK AND BARRIER

PLAN SHEET NO	RDWY	STA	STA	LOC	LENGTH FT.	8 IN. THICK SIDEWALK AREA S.F.	CLASS B CONCRETE C.Y.	TYPE 5 AGG. FOR BASE (4 IN. THICK) S.Y.	TYPE 5 AGG. FOR BASE (6 IN. THICK) S.Y.	CONCRETE TRAFFIC BARRIER, TYPE B L.F.	BARRIER HEIGHT TRANSITION L.F.	REMARKS
5	340	130+65.02	133+20.33	LT	250.0	2266.1	56.0	236.1	15.7	230	20	
12	340	120+59.67		LT								
						SUBTOTALS	56.0	236.1	15.7	230	20	
						PAY TOTALS	56.0	*	*	230	20	

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

SUMMARY OF QUANTITIES
SHEET 6 OF 8

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:43:01 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	3

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

QUANTITY SHEET

CURB AND GUTTER

PLAN SHEET NO.	RDWY	STA	STA	LOC	CURB & GUTTER TYPE A L.F.	CURB & GUTTER TYPE B L.F.	CONCRETE CURB TYPE B (6. IN AND UNDER) L.F.	CONCRETE CURB TYPE S (6. IN AND UNDER) L.F.	VARIABLE HEIGHT CURB L.F.	TYPE 5 AGG. BASE (4 IN. THICK) S.Y.	REMARKS
5	340	130+59	133+25	LT		30.4				60.8	
10	340	81+89	82+11	LT	21.4					42.8	
10	340	82.72	82.85	LT			13.4				
10	340	83+43	83+75	LT		32.8			79.0	65.6	
11	340	103+3	103+40	LT		37.2				74.4	
11	340	108+09	108+21	RT		9.3	2.7			18.6	
12	340	113+72	113+85	LT			13.7				
12	340	114+67	115+35	LT			14.4				
12	340	117+66	121+10	LT		54.9	8.1			109.8	
12	340	124+96	126+19	LT			10.0				
13	340	140+09	140+15	RT			14.0				
14	340	149+49	153+76	LT	270.3					540.6	
14	340	151+53	151+66	LT			13.2				
14	340	153+76	153+83	LT				11.2			
18	340	196+38	196+75	LT		27.2				54.4	
18	340	198+49	199+03	RT	12.5					25.0	
21	340	238+50	238+57	LT	7.0					14.0	
21	340	248+49	248+51	LT	2.0					4.0	
22	340	251+10	251+30	LT	8.2					16.4	
23	340	262+71	265+70	LT	121.5					243.0	
23	340	268+86	269+05	LT	109.4					218.8	
VAR.	340	VAR.	VAR.	VAR.	30.0		30.0			60.0	TBD BY ENGINEER
				SUBTOTALS	582.3	191.8	119.5	11.2	79.0	1548.2	
				PAY TOTALS	583.0	192.0	120	12	79	*	

* 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.	TYPE 5 AGG. FOR BASE (6 IN. THICK) S.Y.	REMARKS
SIDEWALK	801.5	167.7	
MONOLITHIC SIDEWALK	236.1	15.7	
ENTRANCES	1077.4		
CURB & GUTTER	1548.2		
SUBTOTALS	3663.2	183.4	
PAY TOTALS	3664.0	184.0	

SIGNAL CABLE, CONDUIT AND EQUIPMENT (1 OF 2)

PLAN SHEET NO.	RDWY	LOC	CABLE 1c#8 CABLE L.F.	CABLE 2c#16 CABLE L.F.	CABLE 5c#16 CABLE L.F.	CABLE 7c#16 CABLE L.F.	CONDUIT 2" TRENCHED L.F.	CONDUIT 3" TRENCHED L.F.	CONDUIT 3" PUSHED L.F.	COUNTDOWN PEDESTRIAN SIGNAL HEAD TYPE 1S EA.	AUDIBILE PEDESTRIAN PUSHBUTTON AN EA.	CONCRETE BASE C.Y.	SIGNAL 8 FT TOP POST MOUNT EA.	SIGNAL 4 FT TOP POST STANCHION EA.	SH-FLAT SHEET SIGNAL SIGN S.F.	MOUNTING HARDWARE SIGNAL SIGN EA.	RELOCATION SIGNAL HEAD EA.	RELOCATION AUDIBLE PEDESTRIAN PUSHBUTTON EA.	RELOCATION SIGNAL SIGN EA.	REMARKS
57	340	OLD BALLAS		210	210				15		1	0.44	1		0.9	1				
59	340	OLD BONHOMME	80			370	35	19				1.93								
61	340	PRICE RD		170							1				6.25	1				
63	340	HILLTOP DR		520							3				6.25	2			1	
66	340	I-170 E		1380	1120					3	4									
68	340	COMMERCIAL		480	180					1	2	0.44	1				1			
70	340	WOODSON/MCKNIGHT		870					9		6	0.44			1.8	2		1		
72	340	82ND ST			720					6					5.4	6				
74	340	81ST ST		450	130					1	4				2.7	3				
76	340	NORTH AND SOUTH		680	410					3	4			1	3.6	4				
78	340	MIDLAND BLVD		150	670					3	1							2		
80	340	PENNSYLVANIA		240							1						3			
82	340	FERGUSON		150	350					3	1			1	6.3	7				
		PAY TOTALS	80	5300	3790	370	35	19	24	20	28	3.3	2	2	33	26	4	3	1	

SIGNAL CABLE, CONDUIT AND EQUIPMENT (2 OF 2)

PLAN SHEET NO.	RDWY	LOC	CONTROLLER ASSEMBLY HOUSING, NEMA TS2 EA.	ATC TRAFFIC SIGNAL CONTROLLER EA.	POWER SUPPLY W/ UPS EA.	NETWORK CONNECTED SIGNAL MONITOR EA.	SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM EA.	TYPE 3T SIGNAL HEAD EA.	TYPE 4B SIGNAL HEAD EA.	REMARKS
59	340	OLD BONHOMME	1	1	1	1	1	2	2	
		PAY TOTALS	1	1	1	1	1	2	2	

TRAFFIC SIGNAL MAINTENANCE AND PROGRAMMING - 1 LUMP SUM

SUMMARY OF QUANTITIES
SHEET 7 OF 8

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:43:16 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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

QUANTITY SHEET

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00	1	16.00				YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00						SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00	1	16.00				MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00	2	32.00				MERGE (LEFT)
WO4-1aR	48X48	16.00	2	32.00				MERGE (RIGHT)
WO5-1	48X48	16.00	1	16.00				ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00						UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	4	64.00				ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00						ROAD CLOSED AHEAD
WO20-4	48X48	16.00						ONE LANE ROAD AHEAD
WO20-5	48X48	16.00	4	64.00				RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00	2	32.00				RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00						FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00						SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19	4	8.76				WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	4	40.00				ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	4	32.00				END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	2	12.00				WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT)
MO4-9R	48X36	12.00						DETOUR (RIGHT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93	1	6.93				YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	4	48.00				SPEED LIMIT XX
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25	2	12.50				LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25	2	12.50				RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00	6	12.00				SIDEWALK CLOSED
R9-11L	24X18	3.00	4	12.00				SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00	4	12.00				SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-8	48X36	12.00						WORK ZONE NO PHONE ZONE
W11-2	36X36	9.00	4	36				
W16-7P	21X15	2.19	2	4.38				
W16-9P	30X18	3.75	2	7.5				
R9-10	24X18	3	2	6				
SPECIAL	36X24	6						

616-10.05 CONSTRUCTION SIGNS	TOTAL	
	535	

616-10.10 RELOCATED SIGNS	TOTAL

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6122040		WORK ZONE CRASH CUSHION (NARROW)
6122041		WORK ZONE CRASH CUSHION (RELOCATION)
6123001	+++	TRUCK MOUNTED ATTENUATOR (TMA)
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161020		CHANNELIZER (DRUM-LIKE)
6161022		CHANNELIZER (CONE)
6161025	140	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030	6	TYPE 3 MOVEABLE BARRICADE
6161033	28	DIRECTION INDICATOR BARRICADE
6161040	4	FLASHING ARROW PANEL
6161047		TYPE 3 OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A	4**	CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED
6173700B		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED
6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED
6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS
6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
6169901	1**	ADA COMPLIANT MOVEABLE BARRICADE

TEMPORARY TRAFFIC CONTROL	PAY TOTAL = 1 LUMP SUM

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

-NO DIRECT PAY WILL BE MADE FOR CONSTRUCTION SIGNS OR DEVICES

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

-CMS LOCATIONS TO BE DETERMINED BY THE ENGINEER

+++ INDICATES THAT TMAs WILL BE REQUIRED FOR MOBILE OPERATIONS ON THIS PROJECT BUT AT NO DIRECT PAY. THE CONTRACTOR MAY USE TMAs AT STATIONARY LOCATIONS OF THEIR OWN CHOOSING BUT NO PAYMENT SHALL BE MADE FOR THESE TMAs.

* NO DIRECT PAYMENT FOR RELOCATED SIGNS

** ITEMS NOT INCLUDED IN TEMPORARY TRAFFIC CONTROL, LUMP SUM

SUMMARY OF QUANTITIES
SHEET 8 OF 8

EFFECTIVE: 07-01-2025

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 1:43:54 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/24/2026
ROUTE: 340 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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)

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

110

290

115

PC STA 115+40.84

PT STA 117+65.00

ORCHARD LAKES DR

120

W RUE DE LA BANQUE

MATCHLINE STA. 121+75.77

S74°44'08"E

S70°15'10"E

295

BEGIN PROJECT
STA 115+40.84

EMERSON RD

CENTER PKWY DR

PI	116+52.98
PC	115+40.84
PT	117+65.00
Δ	4°28'58.4" (RT)
D	1°59'59.5"
L	224.16' (ARC)
T	112.14'
R	2,864.98'

SCALE

0 50 100 150

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

Stuart M. McN

03/09/2026 3:43:25 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	4

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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
SHEET 1 OF 21

PI 129+21.43
PC 127+11.46
PT 131+30.95
Δ 8°23'0.0" (LT)
D 1°59'59.6"
L 419+19' (ARC)
T 209.97'
R 2,864.95'

PI 134+57.60
PC 132+21.46
PT 136+89.97
Δ 25°18'0.0" (LT)
D 5°26'44.8"
L 464.58' (ARC)
T 236.14'
R 1,052.12'

MATCHLINE STA. 121+75.77

POT STA 121+86.27

125

E RUE DE LA BANQUE

POT STA 126+19.95 R2

33' COMMERCIAL ENT. CONC. APPROACH @ 0.06% STA. 126+58 (UIP)

PC STA 127+11.46 R2

CAPARCO THREE INC ETAL
NOVEMBER 15, 2017
DB 22780 PG 1604

130

N BALLAS RD

LOT A
MARRIOTT COURTYARD PLAZA PLAT 2
PB 366 PG 251
JUNE 19, 2018

N/F
MID COUNTY
REAL ESTATE LLC
10743/770

EXISTING GUARDRAIL (R)

PT STA 131+30.95 R3

PC STA 132+21.46 R3

5' S.W.

TREES (DND)

DND (VAULT)

DND

DND (F.H.)
GAS VALVES
ATG (BY OTHER)

DND

UIP

R&REPLACE
PULL BOX

GRATED
INLET TOP
(R&REPLACE)

60' COMMERCIAL ENT. CONCRETE APPROACH @ -12.47% STA. 134+05 (R&R)

135

MATCHLINE STA. 135+28.90 R3

TYPE C BARRIER
(SEE SPECIAL SHEET)

R&REPLACE
PULL BOX

NEW ISLAND W/ CUT-THROUGH
(SEE SPECIAL SHEET)

NEW LRG. RADIUS
PERP. CURB RAMP

S70°15'10"E

S70°53'10"E

S79°16'10"E

EQUATION:
STA 126+17.12 BK =
STA 126+19.95

EQUATION:
STA 131+30.65 BK =
STA 131+30.95

125' COMMERCIAL ENT. CONC. APPROACH @ 0.00% STA. 132+03 (UIP)

WILL AVE

N/F
Creve Coeur Fire
Protection District
12861/1204

N/F
WESTERN OIL INC
JANUARY 26, 2004
DB 15603 PG 315

N/F
CREVE COEUR PLAZA ASSOC LLC
DB 14944 PG 3147
JUNE 9, 2023
DRWAN FROM
DB 11156 PG 1649

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)
- 8" MONOLITHIC SIDEWALK W/ BARRIER (SEE SPECIAL SHEET)
- VAR. DEPTH SP095BLP W/ PG 76-22 OVERLAY (SEE CROSS SECTION)
- 8" PAVED CONCRETE APPROACH

SCALE
0 50 100 150

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 3:43:35 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	5

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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
SHEET 2 OF 21

PI 134+57.60
PC 132+21.46
PT 136+89.97
Δ 25°18'0.0" (LT)
D 5°26'44.8"
L 464.58' (ARC)
T 236.14'
R 1,052.12'

LOT 4
CITY PLACE
SUBDIVISION
PB 355 PG 43

LOT 6
CITY PLACE
SUBDIVISION
PB 355 PG 43

ADJUSTED LOT 7
CITY PLACE TWO
PB 358 PG 313

N/F
MCDONALD'S REAL ESTATE COMPANY
17701/5294

MATCHLINE STA. 135+28.90 R3

PT STA 136+89.97 R4

POT STA 140+95.45 R5

PC STA 146+22.96 R5

MATCHLINE STA. 148+84.87 R5

140

145

REUTHER LN

CITYPLACE DR

OLD BALLAS RD

HAMM DR

DND SIGN

NEW LRG. RADIUS
PERP. CURB RAMP

Roadway Dedication
TO THE
HIGHWAY COMMISSION
21388/685

MIDBLOCK
XING

N75°25'50"E

N74°25'50"E

EQUATION:
STA 136+86.04 BK =
STA 136+89.97

EQUATION:
STA 140+93.41 BK =
STA 140+95.45

28.5' CONC.
COMMERCIAL ENT.
APPROACH @ 0.00%
STA. 148+41 (UIP)

N/F
SCOTT PROPERTIES LP
14717/2699
PART OF SECTION C
CREVE COEUR EXECUTIVE PARK
PB 139 PG 42

N/F
OLD BALLAS PLACE
INVESTORS LLC
11700/1687

LOT 11 A
CITY PLACE PLAT 2
PB 358 PG 33

LOT 11 B
CITY PLACE PLAT 2
PB 358 PG 33

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

SCALE
0 50 100 150

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/25/2026 9:03:44 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	6

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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
SHEET 3 OF 21

N/F
11505 OLIVE LLC
12820/960

N/F
CAPLACO NINE INC.
7201/155

N/F
CAPLACO NINE INC.
7211/1605

150

155

160

PI 156+69.89
PC 155+54.82
PT 157+84.95
Δ 4°36'0.0" (LT)
D 1°59'59.5"
L 230.02' (ARC)
T 115.07'
R 2,864.99'

MATCHLINE STA. 148+84.87 R5

PT STA 151+09.07 R6

PC STA 155+54.82 R6

PT STA 157+84.95 R7

MATCHLINE "A" STA 162+36.08

5+00

4+00

3+00

2+00

1+00

0+00

NEW 6' S.W.

TREES (R)

EQUATION:
STA 151+07.97 BK =
STA 151+09.07

CRAIG RD

S85°24'10"E

N89°59'50"E

DND TREES

EX. PULL BOX (ATG)

NEW 6' S.W.

DND (P.P.)

N OFFICE PKWY
EQUATION:
STA 157+84.84 BK =
STA 157+84.95

N/F
SCOTT PROPERTIES LP
14717/2699
PART OF SECTION C
CREVE COEUR EXECUTIVE PARK
PB 139 PG 42

N/F
CREVE COEUR ESTATE VENTURE II
21176/1678
PART OF SECTION B
CREVE COEUR EXECUTIVE PARK
PB 139 PG 42

N/F
CREVE COEUR ESTATE VENTURE II
14093/2339
PARCEL 1
PART OF SECTION B
CREVE COEUR EXECUTIVE PARK
PB 139 PG 42

N/F
HL CITY PLACE EAST LLC
25134/36
PART OF SECTION B
CREVE COEUR EXECUTIVE PARK
PB 139 PG 42

PI 148+68.00
PC 146+22.96
PT 151+09.07
Δ 20°10'0.0" (RT)
D 4°9'28.8"
L 485.01' (ARC)
T 245.04'
R 1,377.97'

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

SCALE
0 50 100 150

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 3:43:58 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	7

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
SHEET 4 OF 21

PI 33+78.83
PC 32+54.47
PT 35+01.84
Δ 14°6'0.0" (LT)
D 5°42'0.0"
L 247.47' (CHORD)
T 124.36'
R 1,005.60'

MATCHLINE "A" STA. 266+00.00

PT STA 267+68.33 R14

POT STA 28+68.00 R15

270

N WARSON RD

30

N/F
OLIVE WARSON ASSOCIATES, LLC,
A MO. LIMITED LIABILITY COMPANY
9769 OLIVE BLVD.

NEW 5' S.W.

24' COMMERCIAL ENT.
CONC. APPROACH @ 0.05%
STA. 31+55 (R&R)

PC STA 32+54.47 R15

35

PT STA 35+01.84 R15

MATCHLINE STA. 37+82.92 R15

S80°32'28"E

S80°50'06"E

N85°03'54"E

INLET TOP
(R&R)

SM. RAD.
PERP. CURB RAMP

14' PUBLIC ENT.
CONC. APPROACH @ 0.00%
STA. 33+77 (UIP)

EQUATION:
STA 270+35.07 BK =
STA 28+68.00

N/F
THE CITY OF ST. LOUIS,
A MUNICIPAL CORPORATION
9750 OLIVE BLVD.

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)
- 8" PAVED CONCRETE APPROACH

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

03/25/2026 9:04:07 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	8

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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
SHEET 5 OF 21

PI 39+79.65
PC 38+33.05
PT 41+26.06
Δ 13°8'0.0" (LT)
D 4°30'0.0"
L 291.93' (CHORD)
T 146.61'
R 1,273.57'

N/F
PO DO REALTY, L.L.C.
20678-3186
THE EAST 1/2 OF THIS BOUNDARY
SEPTEMBER 16, 2013
EXCEPTING SOUTH 15 FEET 4668-501

N/F
9666 PARTNERS, L.L.C.
PARCEL NO. 2
LOCATOR # 17M640521
18266-3761
MARCH 19, 2009
EXCEPTING 4673-28 AND
4681-327

BONHOMME VILLAGE APARTMENTS
PB 241 PGS 49-50
OCTOBER 9, 1985

N/F
WILLARD B. SHELP, JR.
OCTOBER 18, 1994
EXCEPTING CONDEMNATION SUIT FILED AUGUST 8, 1962 AS CAUSE NO. 248336
AND SUIT FILED SEPTEMBER 18, 1962 AS CAUSE NO. 249060

MATCHLINE STA. 37+82.92 R15

PC STA 38+33.05 R15

PT STA 41+26.06 R16

POT STA 44+51.07 R16

BONHOMME LAKE DR

40

45

50

MATCHLINE "B" STA. 51+34.08

N72°43'54"E

N71°55'54"E

REMOVE GUARDRAIL

R&REPLACE VAR. WIDTH S.W.

CONTROLLER CABINET (R)

NEW CONTROLLER CABINET

PULL BOX (UIP)

PULL BOX (UIP)

EQUATION:
STA 41+24.90 BK =
STA 41+26.06

OLD BONHOMME RD

NEWCASTLE DR

N/F
GOODFAITH L.L.C.
DB 24614 PG 4576
JANUARY 26, 2021

N/F
CITY OF OLIVETTE, MISSOURI
OLD BONHOMME IMPROVEMENT PROJECT
STP-5497(602)
MAY, 2015

N/F
9666 PARTNERS, L.L.C.
PARCEL NO. 1
LOCATOR # 17M640037
18266-3761
MARCH 19, 2009

OAK ESTATES
PB 31 PG 17
DECEMBER 22, 1953

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)
- 8" PAVED CONCRETE APPROACH

STACY PARK PLAT OF SURVEY
PART OF THE NORTHWEST QUARTER OF SECTION 6,
TOWNSHIP 45 NORTH, RANGE 6 EAST OF THE
FIFTH PRINCIPAL MERIDIAN,
ST. LOUIS COUNTY, MISSOURI640037
THOUVENOT, WADE & MOERCHEN, INC.
JULY 30, 2021

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/25/2026 9:04:20 AM
STUART ROBINSON McNEIL · CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	9

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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
SHEET 6 OF 21

MATCHL INE "B"

STA. 77+00

MAGNET DR

INDIAN TRAILS DR

80

85

90

DIELMAN RD

APPLESEED LN

STA. 90+50

MATCHL INE "C"

ST. LOUIS COUNTY SURVEY
CONTROL POINT 4354
AUGUST 11, 2016

FINAL PLAT FOR
WALGREEN'S OLIVE AND DIELMAN
PB 349 PG 129
MARCH 8, 2001

N/F
Olive Western Inc.
6997/1479

EX. 59' COMMERCIAL ENT.
CONC. APPROACH @ 7.73%
STA. 83+24 (R&R)
28' COMMERCIAL ENT.
CONC. APPROACH @ 8.13%
STA. 83+20

EX. 52' COMMERCIAL ENT.
ASPH. APPROACH @ 6.54%
STA. 82+23 (R&R)
28' COMMERCIAL ENT.
ASPH. APPROACH @ 7.74%
STA. 82+35

R&REPLACE
CURB

R&REPLACE
5' S.W.

VAR.
HEIGHT
CURB

NEW
CURB

S89°58'06"E

S89°58'06"E

R&REPLACE CURB

R&REPLACE SM.
RADIUS PERP.
CURB RAMPS

POT STA 82+71.55 R17

R&REPLACE
DUAL PERP.
CURB RAMP

R&REPLACE 5'
S.W. AND
ADD HANDRAIL

R&REPLACE
CURB

R&REPLACE SM.
RADIUS PERP.
CURB RAMP

SCALE
0 50 100 150

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)
- 8" PAVED CONCRETE APPROACH

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/25/2026 9:04:32 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	10

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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
SHEET 7 OF 21

MATCHLINE "C"
STA. 100+00.00

DIELMAN INDUSTRIAL DR

105

POT STA 105+86.10 R18

110

N PRICE RD

POT STA 110+79.34 R18

POT STA 111+38.55 R18

POT STA 112+48.44 R18

MATCHLINE STA. 113+50.00 R17

ENTRANCE AND
SIDEWALK WORK
BY CITY OF OLIVETTE

REMOVE ENTRANCE
CLOSE WITH NEW CURB
R&REPLACE 5' S.W.

R&REPLACE 5' S.W.

ENTRANCE AND
SIDEWALK WORK
BY CITY OF OLIVETTE

DND
(TREES)

R&REPLACE
S.W. SLAB

N89°59'03"E

S88°51'15"E

N89°59'01"E

N89°21'42"E

R&REPLACE
ENTRANCE
RT STA 105+06

DOLORES AVE

R&REPLACE 12' CURB

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SPO95BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)
- 8" PAVED CONCRETE APPROACH

SCALE

0 50 100 150

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

03/25/2026 9:04:44 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	11

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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
SHEET 8 OF 21

MATCHLINE STA. 113+50.00 R17

115

HILLTOP DR

R&REPLACE SM. RADIUS PERP. CURB RAMP

R&REPLACE CURB

R&REPLACE VAR. CURB

DND

N88°51'15"E

R&REPLACE LG. RADIUS PERP. CURB RAMP AND CURB

R&REPLACE VAR. CURB

BPP

DND

120

COLLINGWOOD DR

11' CRACK FILLING

POT STA 121+52.98 R19

STA 124+83.24
EXIST. UBAWS BEGINS
BEGIN LANE TRANSITION
MILLING EB & WB RTE. 340
(SEE DETAIL PLAN SHEET 13)

I-170 SB OFF RAMP

POT STA 123+42.83 R20

S89°18'32"E

125

I-170 NB ON RAMP

R&REPLACE VAR. CURB

UIE

S89°51'29"E

MATCHLINE STA. 127+01.24 R17

SCALE

0 50 100 150

EQUATION:
STA 121+51.72 BK =
STA 121+52.98

I-170 SB ON RAMP

EQUATION:
STA 123+42.85 BK =
STA 123+42.83

R&REPLACE MEDIAN ISLAND

I-170 NB OFF RAMP

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

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

03/25/2026 9:04:56 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/25/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	12

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

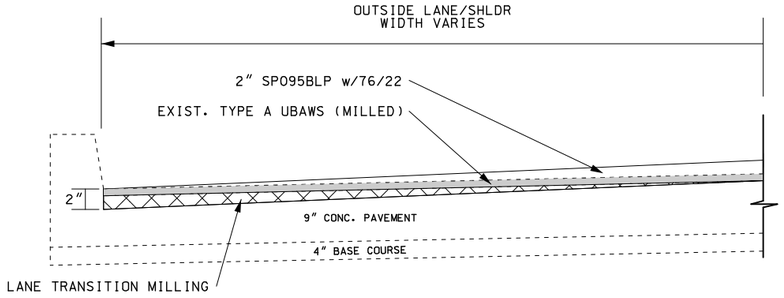
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

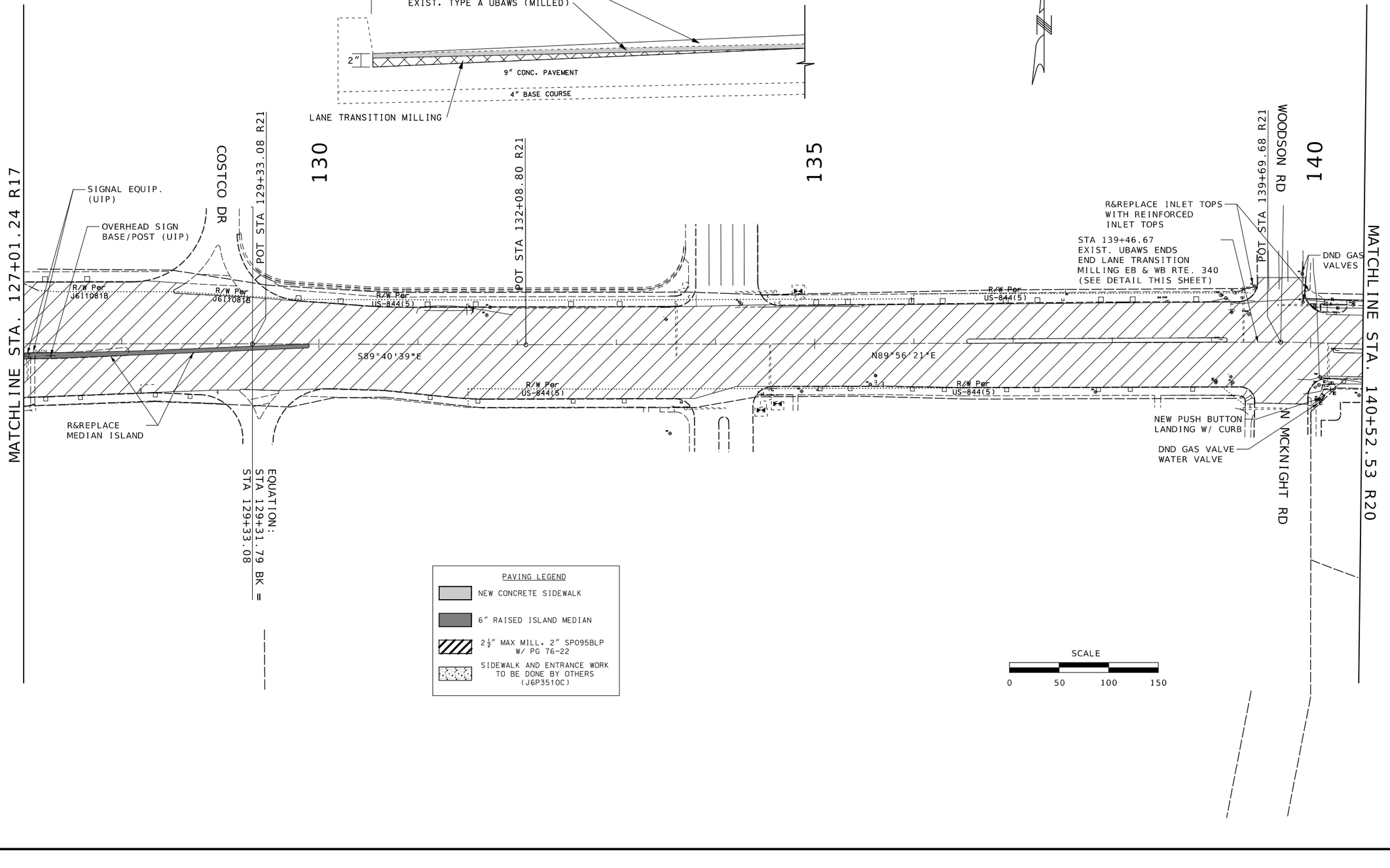
PLAN SHEET
SHEET 9 OF 21

EB & WB RTE. 340
LANE TRANSITION MILLING DETAIL

STA. 124+83.24 TO 139+46.67

✳ NOT TO SCALE





PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

SCALE

0 50 100 150

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

03/25/2026 9:05:49 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/25/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	13

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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
SHEET 10 OF 21

MATCHLINE STA. 140+52.53 R20

PC STA 142+96.79 R21

SHERIDAN DR

PT STA 144+42.75 R22

145

150

COOLIDGE DR

POT STA 151+19.99 R22

MATCHLINE STA. 154+02.55 R21

S88°39'59"E

S85°22'59"E

EQUATION:
STA 144+42.73 BK =
STA 144+42.75

ATG GAS VALVES

R&REPLACE TYPE 1 PARALLEL CURB RAMP

R&REPLACE SM. RADIUS PERP. CURB RAMPS

R&REPLACE 6' S.W. AND CURB

R&REPLACE SM. RADIUS PERP. CURB RAMP

R&REPLACE ENTRANCE LT STA 152+54.52

R&REPLACE SM. RADIUS PERP. CURB RAMPs

R&REPLACE SM. RADIUS PERP. CURB RAMPS

R&RELOCATE SIGN ASSEMBLY (NO PARKING SIGN, BUS STOP SIGN)

DND (F.H.)

DND (W.V.)

DND

R&REPLACE ENTRANCE LT STA 149+75.97

R&REPLACE ENTRANCE LT STA 151+40.54

R&REPLACE 6' S.W. AND CURB

R&REPLACE ENTRANCE LT STA 151+72

R&REPLACE SM. RADIUS PERP. CURB RAMP

ATG BY OTHERS (P.B.)

R&REPLACE 6' S.W. AND CURB

ATG (W.V.)

R&RELOCATE SIGN (ADOPT-A-HWY SIGN)

PI 143+69.78
PC 142+96.79
PT 144+42.75
Δ 3°17'0.0" (RT)
D 2°14'59.5"
L 145.94' (ARC)
T 72.99'
R 2,546.64'

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)
- 8" PAVED CONCRETE APPROACH

SCALE

0 50 100 150

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

03/25/2026 9:06:02 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/25/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	14

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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
SHEET 11 OF 21

MATCHLINE STA. 154+02.55 R21

155

160

165

GRANT DR

82ND STREET

PC STA 165+55.26 R22

MATCHLINE STA. 167+52.55 R21

S85°20'59"E

CWET, GUARDRAIL
& END TERMINAL (UIP)

UIP (SIGNAL EQUIP.)

UIP (SIGNAL EQUIP.)

DND (P.P.)

R&REPLACE
6' S.W.

CWET, GUARDRAIL
& END TERMINAL (UIP)

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

SCALE

0 50 100 150

PI 166+70.14
PC 165+55.26
PT 167+85.02
Δ 4°10'19.1" (RT)
D 1°48'59.7"
L 229.66' (ARC)
T 114.88'
R 3,154.03'

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

03/25/2026 9:12:53 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/25/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	15

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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
SHEET 12 OF 21

MATCHLINE STA. 167+52.55 R21

PT STA 167+85.02 R23

170

175

180

HAFNER PLACE

RIVER DES

MATCHLINE STA. 181+02.65 R22

R&REPLACE
6' S.W.

END TERMINAL &
GUARDRAIL (UIP)

R&REPLACE
INLET TOP

S81°10'40"E

81ST STREET

R&REPLACE
6' S.W.

R&REPLACE
INLET TOP

DND (TREES)

R&REPLACE
INLET TOP

CWET &
GUARDRAIL (UIP)

R&REPLACE
MEDIAN ISLAND

EQUATION:
STA 167+84.92 BK =
STA 167+85.02

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

SCALE

0 50 100 150

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

Stuart McNeil

03/25/2026 9:13:14 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/25/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	16

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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
SHEET 13 OF 21

MATCHLINE STA. 181+02.65 R22

S. PERES

FAIRVIEW AVE

185

190

EASTOVER AVE

POT STA 192+09.26 R23

MT OLIVE AVE

MATCHLINE STA. 194+52.65 R22

GROBY RD

DND (BRIDGE DECK & RASIED ISLAND)

CWET & GUARDRAIL (UIP)

END TERMINAL & GUARDRAIL (UIP)

R&REPLACE MEDIAN ISLAND

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

SCALE

0 50 100 150

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

Stuart M. McN

03/25/2026 9:13:24 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/25/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	17

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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
SHEET 14 OF 21

PI 200+00.00
PC 199+04.57
PT 200+95.40
Δ 2°51'44.5" (LT)
D 1°29'59.8"
L 190.83' (ARC)
T 95.43'
R 3,819.83'

MATCHLINE STA. 194+52.65 R22

195

200

205

NORTH AND SOUTH RD

PC STA 199+04.57 R23

PT STA 200+95.40 R23

PC STA 201+64.86 R23

PT STA 203+55.43 R24

MATCHLINE STA. 208+02.39 R23

R&REPLACE MODIFIED BLENDED TRANSITION CURB RAMP

ATG (P.B.)

R&REPLACE VAR. S.W.

R&REPLACE CURB AND GUTTER

STA 195+61.58 START PAVEMENT OMISSION

S81°07'40"E

REGERT AVE VACATED

R&REPLACE INLET TOPS

DND (F.H.)

DND (TREE)

DND (M.H.)

DND

DND (TREE)

R&REPLACE 6' S.W.

STA 201+10.09 END PAVEMENT OMISSION

S83°59'25"E

DND (P.P.)

DND (GAS DRIP)

R&REPLACE CURB AND GUTTER

R&REPLACE 5' S.W.

R&REPLACE S. RADIUS PERP. CURB RAMP

REMLEY CT

DND (TREE)

DND (GAS DRIP & G.V.)

R&REPLACE ENTRANCE RT STA 200+63

EQUATION:
STA 203+55.69 BK =
STA 203+55.43

S81°07'40"E

PI 202+60.29
PC 201+64.86
PT 203+55.43
Δ 2°51'44.5" (RT)
D 1°29'59.8"
L 190.83' (ARC)
T 95.43'
R 3,819.83'

SCALE

0 50 100 150

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)
- 8" PAVED CONCRETE APPROACH

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

03/09/2026 3:52:11 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	18

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

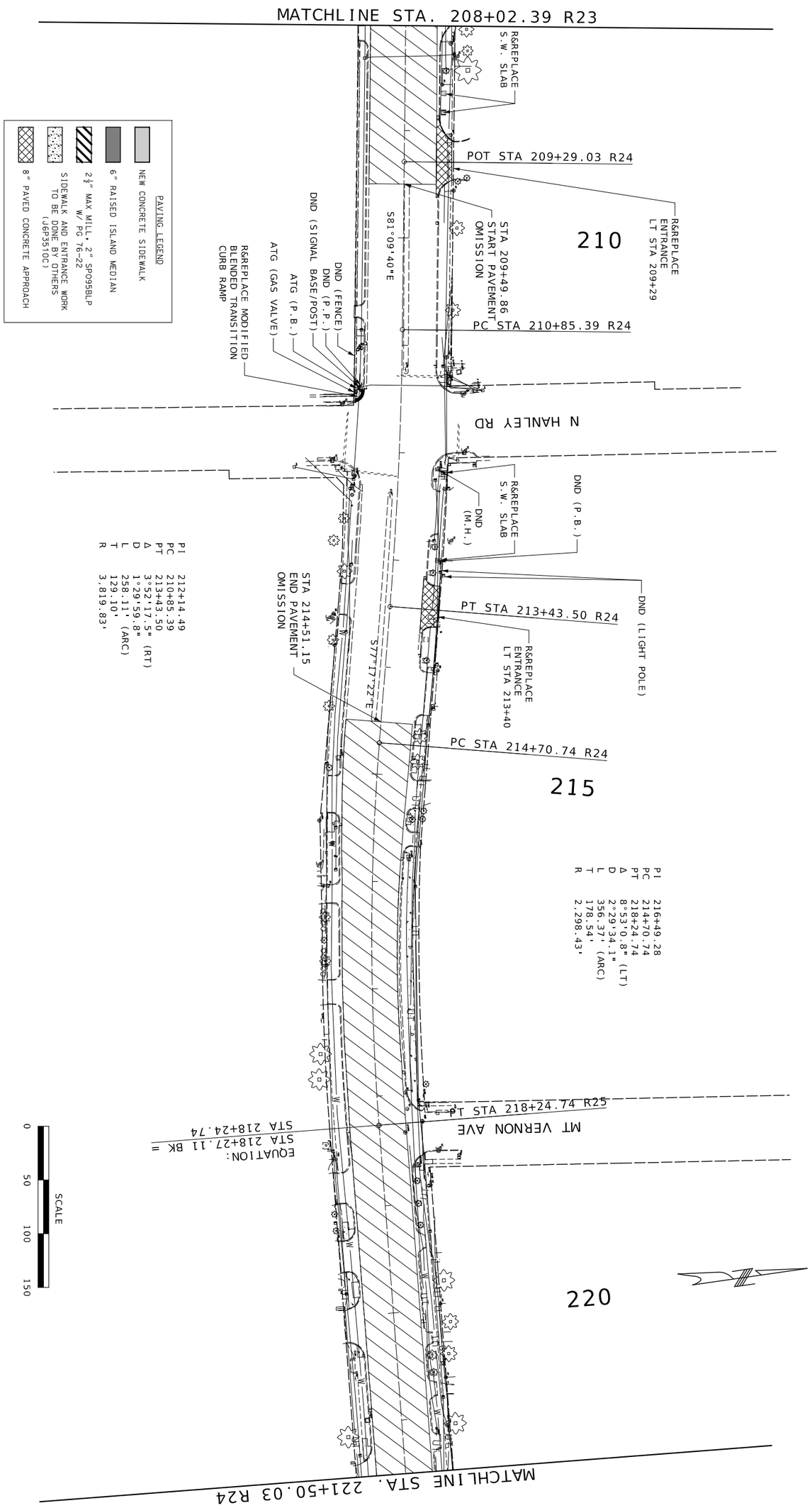
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
SHEET 15 OF 21



PLAN SHEET
SHEET 16 OF 21

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

DATE	DESCRIPTION

BRIDGE NO.

PROJECT NO.

CONTRACT ID. JSL0076B

JOB NO.

COUNTY ST. LOUIS

DISTRICT SL

ROUTE 340

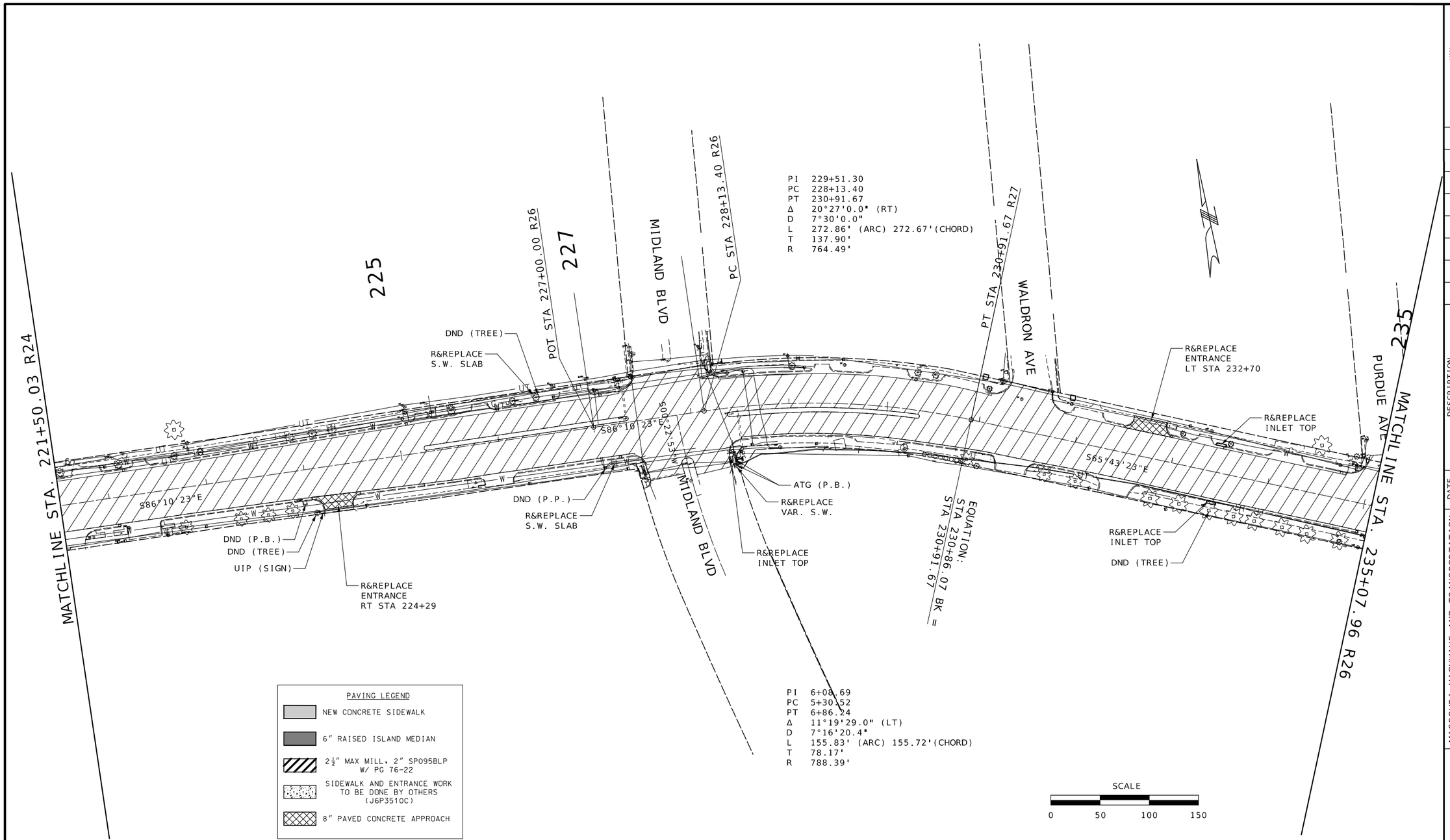
STATE MO

SHEET NO. 19

DATE PREPARED 3/24/2026

STATE OF MISSOURI
STUART ROBSON MARBEL
PROFESSIONAL ENGINEER
PE-2009019987
CIVIL

STUART.ROBSON.MARBEL@MODOT.MO.GOV
MO.PE.2009019987
03/25/2026 8:13:24 AM



PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)
- 8" PAVED CONCRETE APPROACH

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/25/2026 9:13:43 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	20

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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
SHEET 17 OF 21

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

03/09/2026 3:53:15 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	21

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
SHEET 18 OF 21

PI 251+79.37
PC 250+23.33
PT 253+34.72
Δ 9°20'24.8" (LT)
D 2°59'058.3"
L 311/39' (ARC)
T 156.04'
R 1,910.16'

MATCHLINE STA. 248+64.06 R27

WATTS ST

250

PARTRIDGE AVE

DND (GRATED D.I.)

DND (SIGNS)

R&REPLACE SM. RADIUS PERP. CURB RAMP

DND (AREA INLET)

DND (P.P.)

POT STA 235+54.56 R29

255

KENNEDY ST

R&REPLACE S.W. WITH TYPE 2 PARALLEL CURB RAMPS FOR MIDBLOCK CROSSING

ATT (TELEPHONE M.H.)

ETZEL AVE

260

PENNSYLVANIA AVE

MATCHLINE STA. 262+11.52 R28

S51°56'59"E

S51°56'59"E

R&REPLACE S.W. WITH TYPE 2 PARALLEL CURB RAMPS FOR MIDBLOCK CROSSING

R&REPLACE CURB AND GUTTER

R&REPLACE MODIFIED TYPE 3 PARALLEL CURB RAMP

NEW MEDIAN ISLAND FOR MIDBLOCK CROSSING (SEE SHEET XX)

R&REPLACE 5' S.W.

PC STA 250+23.33 R28

PT STA 253+34.72 R28

EQUATION: STA 253+57.10 BK = STA 253+54.56

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- 2½" MAX MILL, 2" SP095BLP W/ PG 76-22
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

SCALE

0 50 100 150

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

03/09/2026 3:53:26 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	22

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

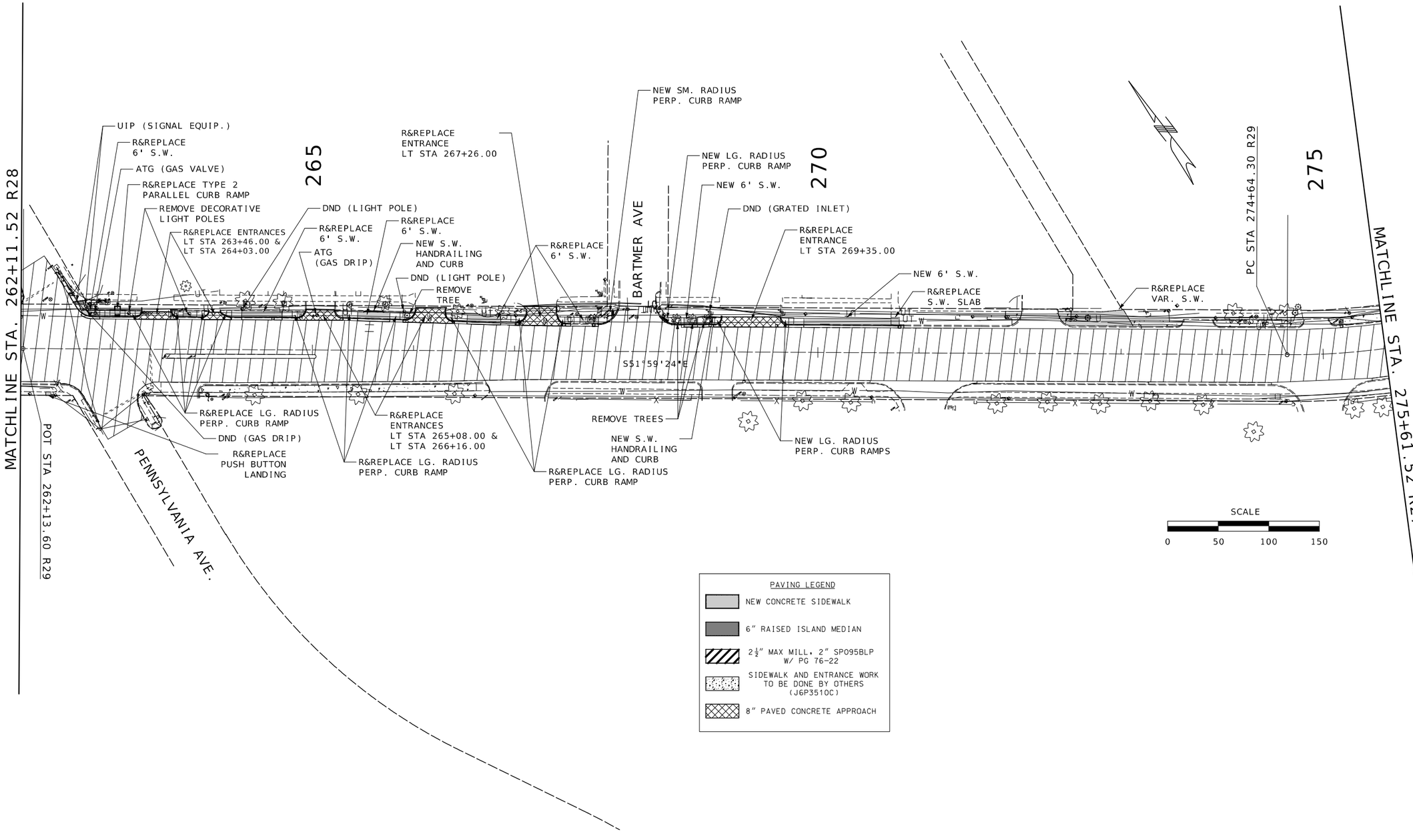
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
SHEET 19 OF 21



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

03/09/2026 3:54:55 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	23

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

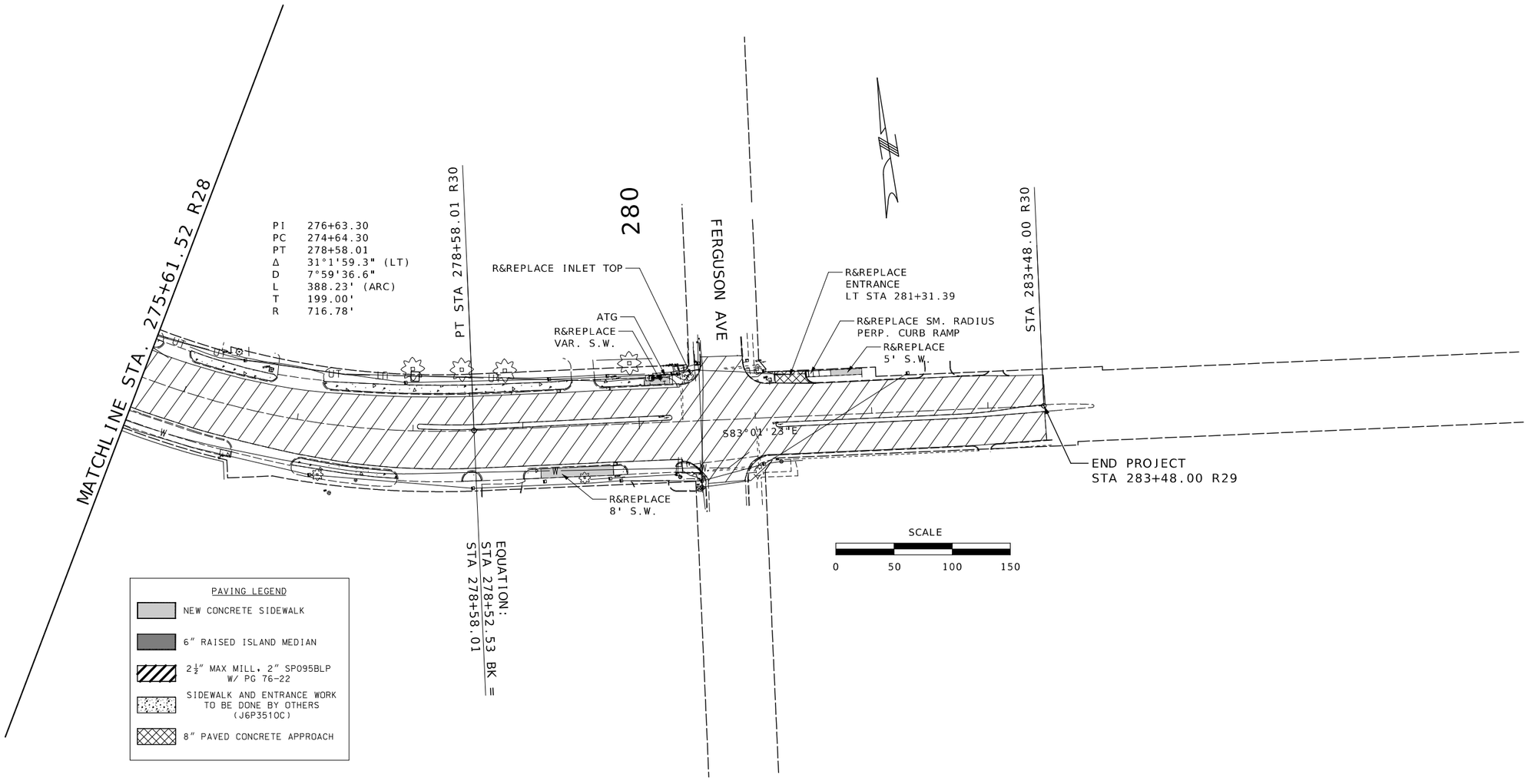
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
SHEET 20 OF 21



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

03/09/2026 3:55:07 PM
STUART ROBINSON McNEIL · CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	24

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
SHEET 21 OF 21

PARCEL 10 (PERM. SIGNAL ESM'T.)						
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE
A	129+23.08	91.73' LT				
			S44°08'49"W	8.88'		
B	129+18.61	83.98' LT				
			S44°48'02"W	4.77'		
C	129+16.17	79.84' LT				
			S46°10'49"W	5.85'		
D	129+13.06	74.83' LT				
			S48°49'00"W	8.48'		
E	129+08.23	67.77' LT				
			S56°13'06"W	3.82'		
F	129+05.67	64.89' LT				
			S60°58'42"W	10.77'		
G	128+97.80	57.36' LT				
			N50°45'36"E	42.28'	55.00'	43.40'
A	129+23.08	91.73' LT				

PARCEL 9 (PERM. ROW)						
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE
H	130+10.56	62.01' RT.				
			N52°34'15"E	12.73'		
I	130+18.50	52.19' RT.				
			S77°28'34"E	41.30'	2914.93'	41.30'
J	130+59.07	52.16' RT.				
			S61°25'05"W	37.73'	60.29'	38.37'
K	130+31.23	76.92' RT.				
			N86°18'54"W	18.01'		
L	130+13.93	79.81' RT.				
			N02°06'51"E	18.12'		
H	130+10.56	62.01' RT.				

CERTIFIED LAND SURVEY TIE #1

LAND CORNER TIE #1
FOUND IRON PIPE LS #14D ON THE WEST BOUNDARY LINE OF
NEW BALLAS ROAD AT THE POINT OF CURVATURE BEING
69.94' SOUTH OF THE NORTHEAST CORNER OF LOT "B" OF A BOUNDARY ADJUSTMENT PLAT; SAID PLAT BEING
LOTS 3 & 4 OF "STUDT'S HOME PLACE" AND PART OF LOT 7 OF "THE LAKE HOUSE SUBDIVISION"
AND PART OF VACATED DECKER LANE, RECORDED IN PLAT BOOK 345 PAGE 557,
OF THE ST. LOUIS COUNTY RECORDS;
NOW OR FORMERLY CONVEYED TO ASBURY AUTOMOTIVE ST LOUIS L.L.C.;
PROPERTY ADDRESS 11830 OLIVE BLVD;
SAID IRON PIPE BEING
S03°33'27"E 265.11' FROM
CENTERLINE STATION 129+00

10
N/F
CAPARCO THREE INC.
(ET AL)
11801 OLIVE BLVD.
1.56 ACRE ORIGINAL
63 SF. PERM. SIGNAL ESM'T.
1.56 ACRE REMAINING

11
CITY OF
CREVE COEUR

9
N/F
CREVE COEUR PLAZA
ASSOCIATES LLC
700 N NEW BALLAS RD.
5.32 ACRE ORIGINAL
761 SF. PERM. ROW
1738 SF. PERM. EASEMENT
5.30 ACRE REMAINING

NEW BALLAS RD

RTE. 340

STA. 125+77.21 R1

EQUATION:
STA 126+19.95 BK = STA 126+17.12 AHD

STA 126+19.95 PDT

STA 127+11.46 R2

MATCHLINE STA. 131+20.04 R2

32' COMMERCIAL ENT.
CONC. APPROACH @ 0.07%
STA. 126+54 (UIP)

NEW PERMANENT EASEMENT

EXIST. R/W

EXIST. ROW

EX. SIGNAL EQUIPMENT (UIP)

EX. PROPERTY LINE (DEDICATION LINE)

SIGNAL POLE (UIP)

EX. S.W. (UIP)

PULLBOX (UIP)

CCTV CAMERA (UIP)

NEW ROW

PI 129+21.43
PC 127+11.46
PT 131+30.95
Δ 8°23'0.0" (LT)
D 1°59'59.6"
L 419.19' (ARC)
T 209.97'
R 2,864.95'

265.11' S03°33'27"E

S70°53'10"E

LEGEND
- NEW CONCRETE SIDEWALK
- TEMPORARY CONSTRUCTION EASMENT
- PERMANENT EASEMENT
- PERMANENT ROW
- 8" MONOLITHIC SIDEWALK W/ BARRIER (SEE SPECIAL SHEET)

SCALE
0 20 40 60

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 3:37:01 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/24/2026
ROUTE: 340 | STATE: MO
DISTRICT: SL | SHEET NO.: 25
COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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)

RIGHT OF WAY SHEET
SHEET 1A OF 8

PARCEL 9 (PERM. SIDEWALK ESM'T.)						
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE
J	130+59.07	52.16' RT.				
			S78°35'43"E	72.58'	2914.93'	72.58'
M	131+30.35	52.10' RT.				
			S79°18'31"E	140.51'		
N	132+68.78	53.12' RT.				
			S81°23'28"E	73.02'	1004.83'	73.04'
O	133+38.16	56.11' RT.				
			S00°14'49"W	16.28'		
P	133+39.25	72.35' RT.				
			S72°11'37"W	2.04'		
Q	133+37.49	73.12' RT.				
			N50°05'25"W	23.10'	21.62'	24.37'
R	133+19.69	59.87' RT.				
			N80°50'29"W	54.00'	1009.33'	54.00'
S	132+68.59	57.62' RT.				
			N79°18'31"W	140.51'		
T	131+30.35	56.60' RT.				
			N78°47'55"W	51.96'	2919.43'	51.96'
U	130+79.40	56.64' RT.				
			N85°55'28"W	13.69'	51.50'	13.73'
V	130+66.11	58.50' RT.				
			S03°33'36"E	2.00'		
W	130+66.63	60.43' RT.				
			S65°42'18"W	35.74'	50.48'	36.53'
X	130+38.63	81.73' RT.				
			N45°01'48"W	9.00'		
K	130+31.23	76.92' RT.				
			N61°25'05"E	37.73'	60.29'	38.37'
J	130+59.07	52.16' RT.				

CERTIFIED LAND SURVEY TIE #2

LAND CORNER TIE #2
FOUND IRON ROD LS #266D AT THE
SOUTHEAST CORNER OF LOT B OF
MARRIOTT COURTYARD PLAZA PLAT 2
PB.366 PG.251
SAID IROD ROD BEING N10°42'26"W 200.26'
FROM CENTERLINE STATION 137+00

1
N/F
MID-COUNTY REAL
ESTATE LLC
11753 OLIVE BLVD.

2
N/F
UNION ELECTRIC COMPANY
11665 OLIVE BLVD.

0.67 ACRE ORIGINAL
68 SF. PERM. S.W. ESM'T.
0.67 ACRE REMAINING

11
CITY OF
CREVE COEUR

9
N/F
CREVE COEUR PLAZA
ASSOCIATES LLC
700 N NEW BALLAS RD.

5.32 ACRE ORIGINAL
761 SF. PERM. ROW
1738 SF. PERM. EASEMENT
5.30 ACRE REMAINING

MATCHLINE STA. 131+20.04 R2

EQUATION:
STA 131+30.65 BK =
STA 131+30.95 AH

PT STA 131+30.

PC STA 132+21.

MATCHLINE STA. 136+60.34

MATCHLINE "A"

WILL AVE

RTE. 340

EXIST. R/W

EX. PROPERTY LINE
(DEDICATION LINE)

EX. S.W. (UIP)

NEW PERMANENT
S.W. EASEMENT

ISLANDS (R&R)

PERM. S.W.
ESM'T

GRATE INLET TOP
(R&REPLACE)

LARGE RADIUS
PERP. CURB RAMPS

29' COMMERCIAL ENT.
MIXED APPROACH @ 9.53%
STA. 134+05 (R&R)

25' CONC. COMMERCIAL ENT.
STA. 132+03 (UIP) @ 0.00%

RIGHT OF WAY DEDICATION
TO THE CITY OF CREVE COEUR
PB 343 PG.40

S79°16'10"E

LEGEND

- NEW CONCRETE SIDEWALK
- TEMPORARY CONSTRUCTION EASEMENT
- PERMANENT EASEMENT
- PERMANENT ROW
- 8" MONOLITHIC SIDEWALK W/ BARRIER (SEE SPECIAL SHEET)
- VAR. DEPTH ASPHALT OVERLAY

SCALE
0 20 40 60

PARCEL 2 (PERM. SIDEWALK ESM'T.)						
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE
Y	134+51.73	43.1' LT.				
			N87°40'28"E	9.78'	665.28'	9.78'
Z	134+61.92	43.14' LT.				
			S02°24'08"E	6.50'		
AA	134+61.93	36.64' LT.				
			S87°44'12"W	11.25'	671.78'	11.25'
BB	134+50.27	36.59' LT.				
			N10°25'27"E	6.65'		
Y	134+51.73	43.1' LT.				

PI	134+57.60
PC	132+21.46
PT	136+89.97
Δ	25°18'0.0" (LT)
D	5°26'44.8"
L	464.58' (ARC)
T	236.14'
R	1,052.12'

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 3:37:55 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/24/2026
ROUTE: 340 | STATE: MO
DISTRICT: SL | SHEET NO.: 26
COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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)

RIGHT OF WAY SHEET
SHEET 2A OF 8

PARCEL 1 (PERM. S.W. ESM'T.)						
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE
A	130+54.53	50.55' LT				
			N12°06'16"E	2.50'		
B	130+54.52	53.05' LT				
			S78°39'27"E	74.71'	2809.43'	74.71'
C	131+30.95	53.24' LT				
			S79°25'10"E	90.51'		
D	132+21.45	53.48' LT				
			S81°22'58"E	144.31'	2106.25'	144.34'
E	133+73.14	48.39' LT				
			S88°10'44"E	63.32'	661.28'	63.34'
F	134+39.47	47.11' LT				
			S13°33'21"E	2.56'		
G	134+40.05	44.60' LT				
			N88°12'04"W	64.16'	663.78'	64.19'
H	133+73.00	45.89' LT				
			N81°23'00"W	144.53'	2108.75'	144.56'
I	132+21.46	50.98' LT				
			N79°25'10"W	90.51'		
J	131+30.95	50.74' LT				
			N78°39'27"W	74.77'	2811.93'	74.78'
A	130+54.53	50.55' LT				

STA. 125+77.21 R1

STA 126+19.95 R2

EQUATION:
STA 126+17.12 BK
= STA 126+19.95 AHD

STA 127+11.46 R2

S70°53'10"E

RTE. 340

11
CITY OF
CREVE COEUR

10
N/F
CAPARCO THREE INC.
(ET AL)
11801 OLIVE BLVD.

NEW BALLAS RD

EXPANSION JOINT

1
N/F
MID-COUNTY REAL
ESTATE LLC
11753 OLIVE BLVD.
3.27 ACRE ORIGINAL
2523 SF. TEMP. CONST. ESM'T.
934 SF. PERM. S.W. ESM'T.
3.27 ACRE REMAINING

EXIST. ROW

PERM. S.W. ESM'T.

TEMP. CONSTRUCTION ESM'T.

GUARDRAIL (R)

TRAFFIC SIGNAL BOX

SL

EXIST. R/W

EX. PROPERTY LINE
(DEDICATION LINE)

5' SIDEWALK (R&R)

TYPE C BARRIER MONUMENT SIGN (DND)

MATCHLINE STA. 131+20.04 R2

PI 129+21.43
PC 127+11.46
PT 131+30.95
Δ 8°23'0.0" (LT)
D 1°59'59.6"
L 419.19' (ARC)
T 209.97'
R 2,864.95'

265.11' S3°33'27"E

EDGE OF CONCRETE/ASPHALT JOINT

9
N/F
CREVE COEUR PLAZA
ASSOCIATES LLC
700 N NEW BALLAS RD.

NEW BALLAS RD

EXIST. R/W

LEGEND

- NEW CONCRETE SIDEWALK
- TEMPORARY CONSTRUCTION EASMENT
- PERMANENT EASEMENT
- PERMANENT ROW
- 8" MONOLITHIC SIDEWALK W/ BARRIER (SEE SPECIAL SHEET)

SCALE
0 20 40 60

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 3:37:19 PM
STUART ROBINSON McNEIL · CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	27

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

RIGHT OF WAY SHEET
SHEET 1B OF 8

1

N/F
MID-COUNTY REAL
ESTATE LLC
11753 OLIVE BLVD.

3.27 ACRE ORIGINAL
2523 SF. TEMP. CONST. ESM'T.
934 SF. PERM. S.W. ESM'T.
3.27 ACRE REMAINING

PI	134+57.60
PC	132+21.46
PT	136+89.97
Δ	25°18'0.0" (LT)
D	5°26'44.8"
L	464.58' (ARC)
T	236.14'
R	1,052.12'

CERTIFIED LAND SURVEY TIE #2

LAND CORNER TIE #2
FOUND IRON ROD LS #266D AT THE
SOUTHEAST CORNER OF LOT B OF
MARRIOTT COURTYARD PLAZA PLAT 2
PB.366 PG.251
SAID IROD ROD BEING N10°42'26"W 200.26'
FROM CENTERLINE STATION 137+00

2

N/F
UNION ELECTRIC COMPANY
11665 OLIVE BLVD.

STA. 129+79.16 R2

EQUATION:
STA 131+30.65
STA 131+30.95

PT STA 131+30.

POWER POLE (DND)

GUARDRAIL (R)

POWER POLE (DND)

TEMP. CONSTRUCTION ESM'T.

5' SIDEWALK (R&R)

TYPE C BARRIER PERM. S.W. ESM'T.

REMOVE PULL BOX

HYDRANT (DND)

GAS VALVES (ATG BY OTHER)

PC STA 132+21.

S79°16'10"E

11

CITY OF
CREVE COEUR

EX. PROPERTY LINE
(DEDICATION LINE)

EXIST. R/W

RIGHT OF WAY DEDICATION TO THE CITY OF CREVE COEUR PB 343 PG.40

GRATE INLET TOP (R&REPLACE)

LARGE RADIUS PERP. CURB RAMP

ISLANDS (R&R)

LARGE RADIUS PERP. CURB RAMP

29' COMMERCIAL ENT. MIXED APPROACH @ 9.53% STA. 134+05 (R&R)

135

RTE. 340

STA. 136+60.34

MATCHLINE "A"

MATCHLINE STA. 129+79.16 R2

EXIST. R/W

25' COMMERCIAL ENT. CONC. APPROACH @ 0.00% STA. 132+03 (UIP)

9

N/F
CREVE COEUR PLAZA
ASSOCIATES LLC
700 N NEW BALLAS RD.

EXIST. R/W

WILL AVE

LEGEND

- NEW CONCRETE SIDEWALK
- TEMPORARY CONSTRUCTION EASMENT
- PERMANENT EASEMENT
- PERMANENT ROW
- 8" MONOLITHIC SIDEWALK W/ BARRIER (SEE SPECIAL SHEET)
- VAR. DEPTH ASPHALT OVERLAY

SCALE

0 20 40 60

PARCEL 1 (TEMP. CONSTRUCTION ESM'T.)

POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE	POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE
B	130+54.52	53.05' LT.								S16°35'40"W	19.11'		
			N12°06'16"E	3.00'			Q	134+38.66	50.61' LT.				
K	130+54.51	56.04' LT.								S13°33'21"E	3.58'		
			S78°39'29"E	74.68'	2806.43'	74.68'	F	134+39.47	47.11' LT.				
L	131+30.95	56.24' LT.								N88°10'44"W	63.32'	661.28'	63.34'
			S79°25'13"E	90.50'			E	133+73.14	48.39' LT.				
M	132+21.48	56.48' LT.								N81°22'58"W	144.31'	2106.25'	144.34'
			S81°19'29"E	139.79'	2103.25'	139.82'	D	132+21.45	53.48' LT.				
N	133+68.88	51.69' LT.								N79°25'10"W	90.51'		
			N53°27'43"E	49.63'			C	131+30.95	53.24' LT.				
O	134+10.60	82.32' LT.								N78°39'27"W	74.71'	2809.43'	74.71'
			S67°28'05"E	34.57'			B	130+54.52	53.05' LT.				
P	134+44.87	68.79' LT.											

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 3:37:26 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/24/2026

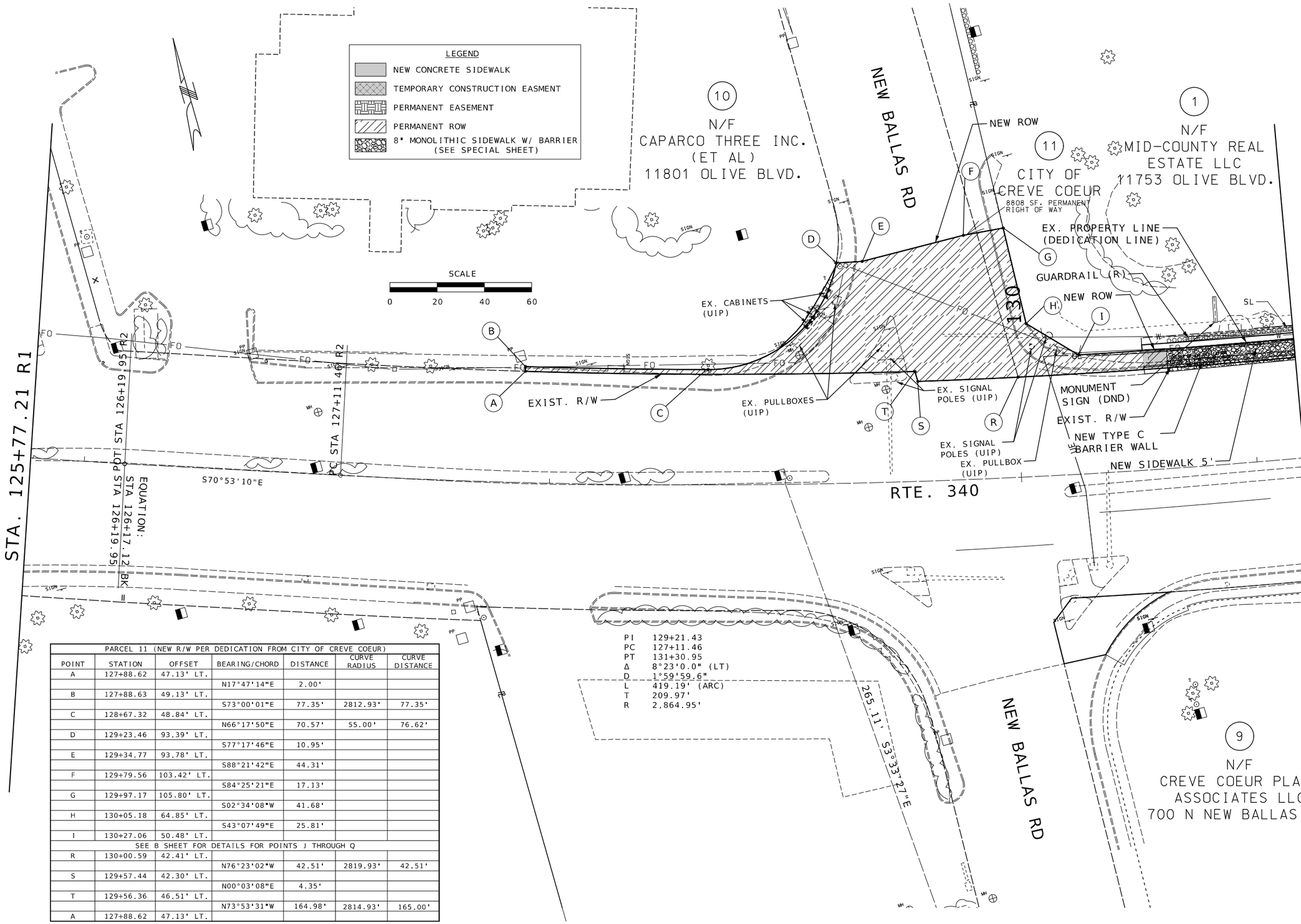
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	28

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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)

RIGHT OF WAY SHEET
SHEET 2B OF 8



PARCEL 11 (NEW R/W PER DEDICATION FROM CITY OF CREVE COEUR)						
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE
A	127+88.62	47.13' LT.				
			N17°47'14"E	2.00'		
B	127+88.63	49.13' LT.				
			S73°00'01"E	77.35'	2812.93'	77.35'
C	128+67.32	48.84' LT.				
			N66°17'50"E	70.57'	55.00'	76.62'
D	129+23.46	93.39' LT.				
			S77°17'46"E	10.95'		
E	129+34.77	93.78' LT.				
			S88°21'42"E	44.31'		
F	129+79.56	103.42' LT.				
			S84°25'21"E	17.13'		
G	129+97.17	105.80' LT.				
			S02°34'08"W	41.68'		
H	130+05.18	64.85' LT.				
			S43°07'49"E	25.81'		
I	130+27.06	50.48' LT.				
SEE B SHEET FOR DETAILS FOR POINTS J THROUGH Q						
R	130+00.59	42.41' LT.				
			N76°23'02"W	42.51'	2819.93'	42.51'
S	129+57.44	42.30' LT.				
			N00°03'08"E	4.35'		
T	129+56.36	46.51' LT.				
			N73°53'31"W	164.98'	2814.93'	165.00'
A	127+88.62	47.13' LT.				

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 3:37:36 PM
STUART ROBINSON McNEIL · CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	29

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

RIGHT OF WAY SHEET
SHEET 1C OF 8

PARCEL 11 (NEW R/W PER DEDICATION CITY OF CREVE COEUR)						
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE
I	130+27.06	50.48' LT.				
			S78°22'57"E	101.76'	2811.93'	101.77'
J	131+30.95	50.74' LT.				
			S79°25'10"E	90.51'		
K	132+21.46	50.98' LT.				
			S81°23'00"E	144.53'	2108.75'	144.56'
L	133+73.00	45.89' LT.				
			S88°41'53"E	75.66'	663.78'	75.70'
M	134+52.07	44.60' LT.				
			N10°25'27"E	8.19'		
N	134+50.27	36.59' LT.				
			N88°36'57"W	74.97'	671.78'	75.00'
O	133+72.54	37.90' LT.				
			N81°23'07"W	145.22'	2116.75'	145.25'
P	132+21.48	42.98' LT.				
			N79°25'12"W	90.51'		
Q	131+30.97	42.74' LT.				
			N78°07'04"W	128.14	2819.93'	128.15'
R	130+00.59	42.41' LT.				

1
N/F
MID-COUNTY REAL ESTATE LLC
11753 OLIVE BLVD.

11
CITY OF CREVE COEUR
8808 SF. PERMANENT RIGHT OF WAY

CERTIFIED LAND SURVEY TIE #2

LAND CORNER TIE #2
FOUND IRON ROD LS #266D AT THE SOUTHEAST CORNER OF LOT B OF MARRIOTT COURTYARD PLAZA PLAT 2
PB.366 PG.251
SAID IROD ROD BEING N10°42'26"W 200.26' FROM CENTERLINE STATION 137+00

2
N/F
UNION ELECTRIC COMPANY
11665 OLIVE BLVD.

9
N/F
CREVE COEUR PLAZA ASSOCIATES LLC
700 N NEW BALLAS RD.

GUARDRAIL (R)
NEW SIDEWALK 5' W/ HANDRAILING
NEW ROW
EX. PROPERTY LINE (DEDICATION LINE)
EXIST. R/W
NEW TYPE C BARRIER WALL
REMOVE PULL BOX
BARRIER HEIGHT TRANSITION
LARGE RADIUS PERP. CURB RAMP
GRATE INLET TOP (R&REPLACE)
LARGE RADIUS PERP. CURB RAMP
29' COMMERCIAL ENT. MIXED APPROACH @ 9.53% STA. 134+05 (R&R)
25' COMMERCIAL ENT. CONC. APPROACH @ 0.00% STA. 132+03 (UIP)
EQUATION: STA 131+30.65 Pt = STA 131+30.95 BK
MATCHLINE STA. 129+79.16 R2
MATCHLINE STA. 136+60.34 "A"
PT STA 131+30.
PC STA 132+21.
STA. 135
STA. 136+60.34
S79°16'10"E
RTE. 340
WILL AVE
EXIST. R/W

LEGEND
- NEW CONCRETE SIDEWALK
- TEMPORARY CONSTRUCTION EASMENT
- PERMANENT EASEMENT
- PERMANENT ROW
- 8" MONOLITHIC SIDEWALK W/ BARRIER (SEE SPECIAL SHEET)
- VAR. DEPTH ASPHALT OVERLAY

SCALE
0 20 40 60

PI	134+57.60
PC	132+21.46
PT	136+89.97
Δ	25°18'0.0" (LT)
D	5°26'44.8"
L	464.58' (ARC)
T	236.14'
R	1,052.12'

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 3:38:26 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/24/2026
ROUTE: 340 | STATE: MO
DISTRICT: SL | SHEET NO.: 30
COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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)

RIGHT OF WAY SHEET
SHEET 2C OF 8

PARCEL 3 (PERM. SIDEWALK ESM'T.)						
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE
A	143+07.65	44.42' LT.				
			N74°23'49"E	28.24'		
B	143+35.89	44.43' LT.				
			N19°44'31"E	8.42'	45.00'	8.43'
C	143+40.75	51.3' LT.				
			S74°25'50"W	10.94'		
D	143+29.81	51.3' LT.				
			S57°10'24"W	23.21'		
A	134+07.65	44.42' LT.				

3

N/F
RNSI CITY PLACE OWNER LLC
11623 OLIVE BLVD.

2.26 ACRE ORIGINAL
59 SF. TEMP. CONST. ESM'T.
136 SF. PERM. S.W. ESM'T.
2.26 ACRE REMAINING

CITYPLACE DR

BUSINESS SIGN (DND)

EXIST. R/W

TEMP. CONSTRUCTION ESM'T.

SL

D

F

E

C

A

DND

B

PERM. SIDEWALK ESM'T.

EXISTING PED. POLE (R&RELOCATE)

LARGE RADIUS PERP. CURB RAMP

N74°25'50"E

MATCHLINE "A"

139+08.60 R4

140

EQUATION:
STA 140+93.41 BK =
STA 140+95.45 AH

STA. 144+51.23 R5

MATCHLINE "B"

EXIST. R/W

OLD BALLAS RD

PARCEL 3 (TEMP. ESM'T.)						
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE
A	143+07.65	44.42' LT.				
			N57°10'24"E	23.21'		
D	143+29.81	51.30' LT.				
			N74°25'50"E	10.94'		
C	143+40.75	51.30' LT.				
			N12°34'11"E	2.84'	45.00'	2.84'
E	143+42.09	53.80' LT.				
			S74°25'50"W	12.78'		
F	143+29.31	53.80' LT.				
			S51°00'11"W	23.61'		
A	143+07.65	44.42' LT.				

CERTIFIED LAND SURVEY TIE #3
LAND CORNER TIE #3 FOUND IRON ROD AT THE SOUTHWEST CORNER OF A TRACT OF LAND NOW OR FORMERLY CONVEYED TO SCOTT PROPERTIES LP RECORDED IN DEED BOOK 14717 PAGE 2699 OF THE ST. LOUIS COUNTY RECORDS, SAID TRACT OF LAND BEING PART OF SECTION C OF CREVE COEUR EXECUTIVE OFFICE PARK RECORDED IN PLAT BOOK 139 PAGE 42 OF THE ST. LOUIS COUNTY RECORDS, SAID IRON ROD BEING S60°36'00"E 370.01' FROM CENTERLINE STATION 145+00

SCALE
0 20 40 60

LEGEND
- NEW CONCRETE SIDEWALK
- TEMPORARY CONSTRUCTION EASMENT
- PERMANENT EASEMENT
- PERMANENT ROW

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 11:35:42 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	31

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

RIGHT OF WAY SHEET
SHEET 3 OF 8

PARCEL 4 (PERM. SIDEWALK ESM'T.)						
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE
A	150+12.43	42.78' RT.				
			S86°24'56"E	42.51'	1228.33'	42.51'
B	150+56.30	44.30' RT.				
			S85°25'27"E	162.74'		
C	152+21.82	45.17' RT.				
			S40°25'06"E	28.28'	20.00'	31.42'
D	152+41.83	65.17' RT.				
			S04°34'33"W	6.54'		
E	152+41.83	71.71' RT.				
			N85°24'01"W	6.85'		
F	152+34.98	71.71' RT.				
			N52°24'49"W	41.98'	38.55'	44.39'
G	151+99.77	48.85' RT.				
			N85°24'10"W	141.35'		
H	150+55.48	47.89' RT.				
			N81°28'55"W	41.94'		
A	150+12.43	42.78' RT.				

SCALE
0 20 40 60

PI 148+68.00
PC 146+22.96
PT 151+09.07
Δ 20°10'0.0" (RT)
D 4°9'28.8"
L 485.01' (ARC)
T 245.04'
R 1377.97'

150

CRAIG RD

2+00

STA. 147+11.88 R5
MATCHLINE "B"

STA. 152+52.98 R6
MATCHLINE "C"

RTE. 340

EXIST. R/W

EQUATION:
STA 151+07.94 PT
STA 151+09.07 R6

A B C D E F G H

6' SIDEWALK (R&R)

LANDSCAPING (DND)

PERM. S.W. ESM'T.

EX. ASPHALT CURB (UIP)

SMALL BLOCK RETAINING WALL (DND)

PERM. S.W. ESM'T.

SL

LEGEND
- NEW CONCRETE SIDEWALK
- TEMPORARY CONSTRUCTION EASMENT
- PERMANENT EASEMENT

4

N/F
SCOTT PROPERTIES LP
11500 OLIVE BLVD.

2.38 ACRE ORIGINAL
1047 SF. PERM. S.W. ESM'T.
2.38 ACRE REMAINING

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 11:35:57 AM
STUART ROBINSON McNEIL CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	32

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

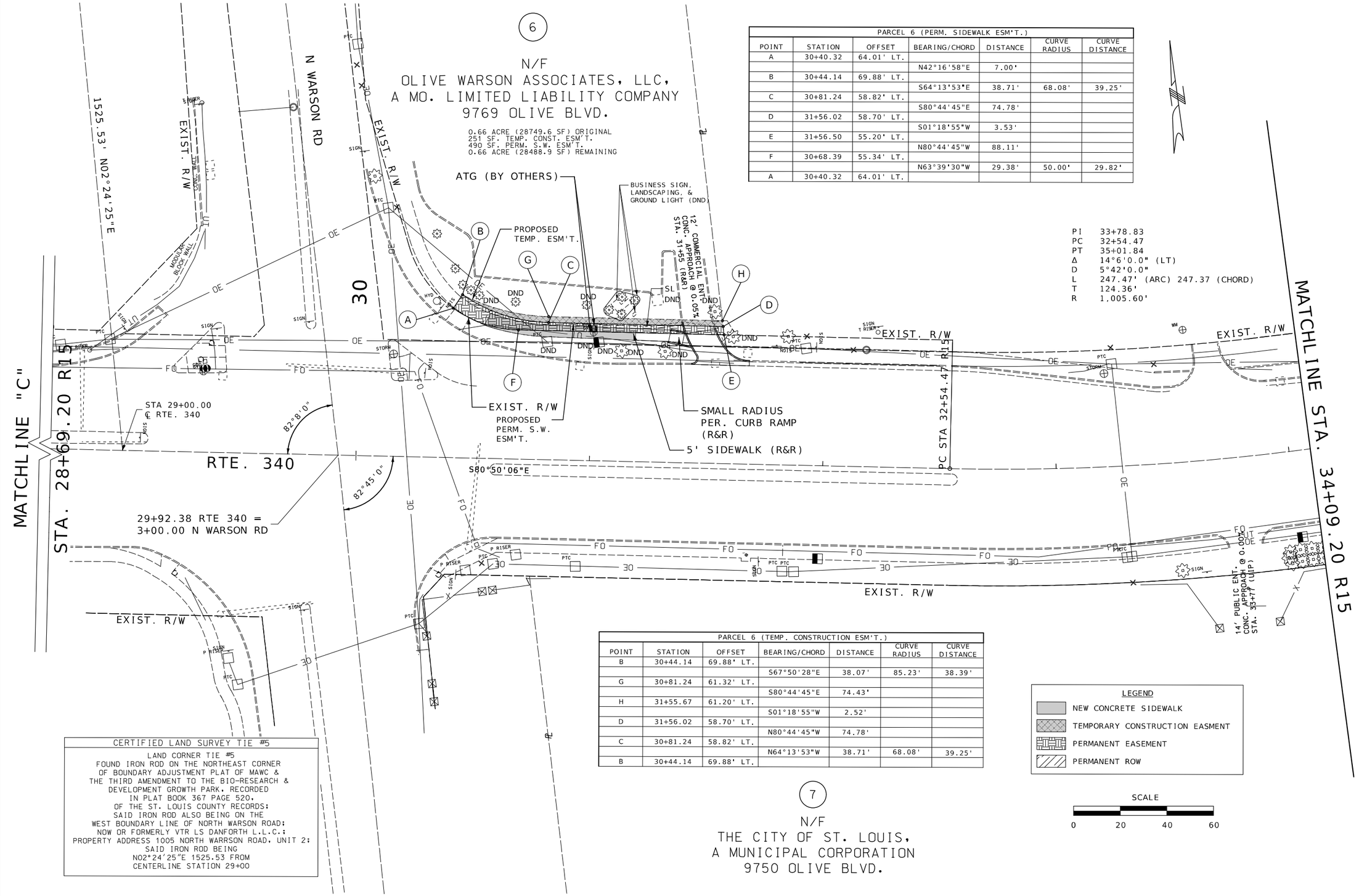
BRIDGE NO.

DESCRIPTION

DATE

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

RIGHT OF WAY SHEET
SHEET 4 OF 8



PARCEL 6 (PERM. SIDEWALK ESM'T.)						
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE
A	30+40.32	64.01' LT.				
			N42°16'58"E	7.00'		
B	30+44.14	69.88' LT.				
			S64°13'53"E	38.71'	68.08'	39.25'
C	30+81.24	58.82' LT.				
			S80°44'45"E	74.78'		
D	31+56.02	58.70' LT.				
			S01°18'55"W	3.53'		
E	31+56.50	55.20' LT.				
			N80°44'45"W	88.11'		
F	30+68.39	55.34' LT.				
			N63°39'30"W	29.38'	50.00'	29.82'
A	30+40.32	64.01' LT.				

PI 33+78.83
PC 32+54.47
PT 35+01.84
Δ 14°6'0.0" (LT)
D 5°42'0.0"
L 247.47' (ARC) 247.37 (CHORD)
T 124.36'
R 1,005.60'

CERTIFIED LAND SURVEY TIE #5
LAND CORNER TIE #5 FOUND IRON ROD ON THE NORTHEAST CORNER OF BOUNDARY ADJUSTMENT PLAT OF MAWC & THE THIRD AMENDMENT TO THE BIO-RESEARCH & DEVELOPMENT GROWTH PARK, RECORDED IN PLAT BOOK 367 PAGE 520, OF THE ST. LOUIS COUNTY RECORDS; SAID IRON ROD ALSO BEING ON THE WEST BOUNDARY LINE OF NORTH WARSON ROAD; NOW OR FORMERLY VTR LS DANFORTH L.L.C.; PROPERTY ADDRESS 1005 NORTH WARRSON ROAD, UNIT 2; SAID IRON ROD BEING N02°24'25"E 1525.53 FROM CENTERLINE STATION 29+00

PARCEL 6 (TEMP. CONSTRUCTION ESM'T.)						
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE	CURVE RADIUS	CURVE DISTANCE
B	30+44.14	69.88' LT.				
			S67°50'28"E	38.07'	85.23'	38.39'
G	30+81.24	61.32' LT.				
			S80°44'45"E	74.43'		
H	31+55.67	61.20' LT.				
			S01°18'55"W	2.52'		
D	31+56.02	58.70' LT.				
			N80°44'45"W	74.78'		
C	30+81.24	58.82' LT.				
			N64°13'53"W	38.71'	68.08'	39.25'
B	30+44.14	69.88' LT.				

LEGEND
- NEW CONCRETE SIDEWALK
- TEMPORARY CONSTRUCTION EASMENT
- PERMANENT EASEMENT
- PERMANENT ROW

SCALE
0 20 40 60

7
N/F
THE CITY OF ST. LOUIS,
A MUNICIPAL CORPORATION
9750 OLIVE BLVD.

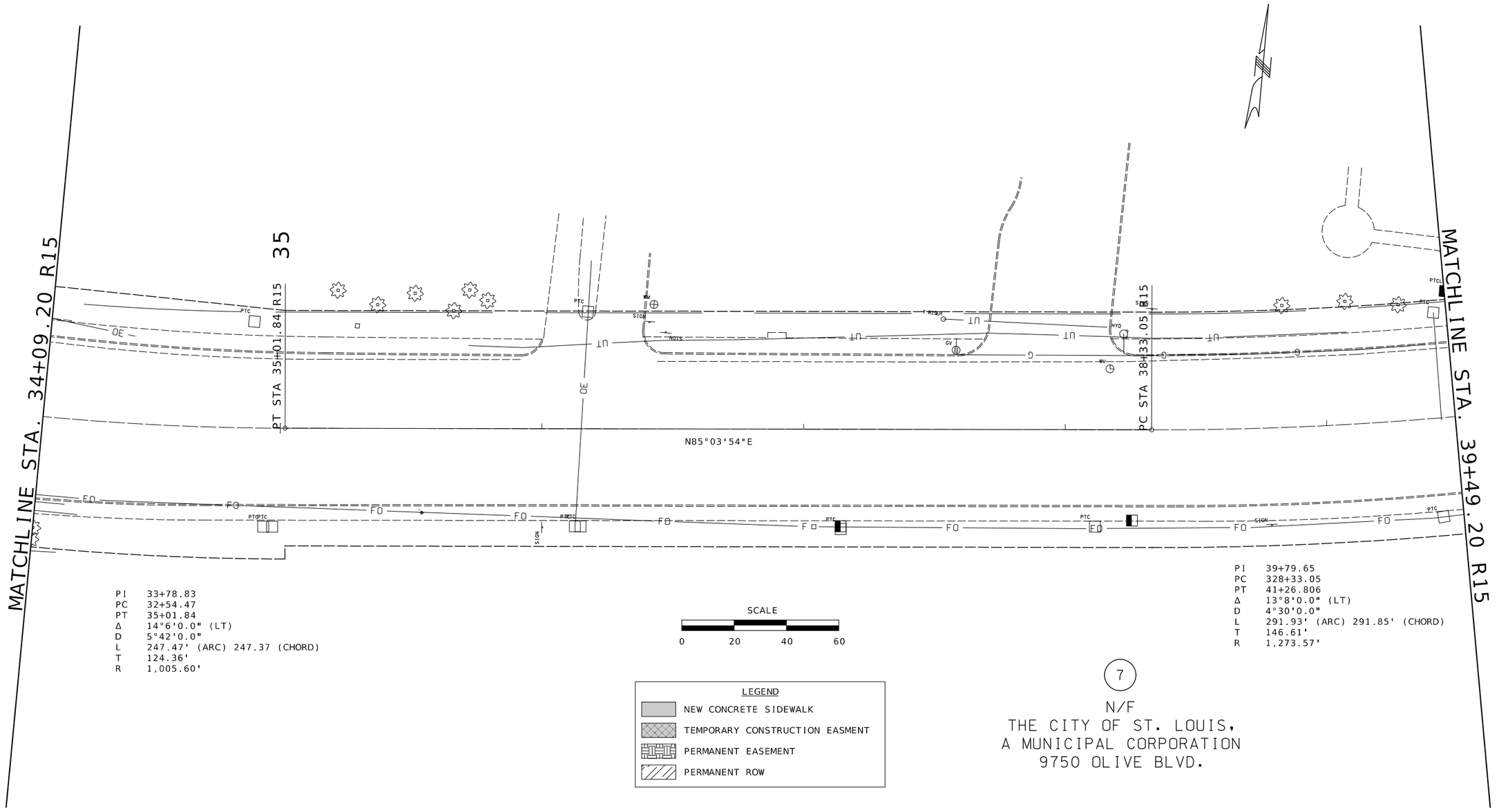
STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 11:36:06 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED 3/6/2026
ROUTE 340 | STATE MO
DISTRICT SL | SHEET NO. 33
COUNTY ST. LOUIS
JOB NO. JSL0076B
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)

RIGHT OF WAY SHEET
SHEET 5 OF 8



PI 33+78.83
PC 32+54.47
PT 35+01.84
Δ 14°6'0.0" (LT)
D 5°42'0.0"
L 247.47' (ARC) 247.37' (CHORD)
T 124.36'
R 1,005.60'

PI 39+79.65
PC 328+33.05
PT 41+26.806
Δ 13°8'0.0" (LT)
D 4°30'0.0"
L 291.93' (ARC) 291.85' (CHORD)
T 146.61'
R 1,273.57'

LEGEND

- NEW CONCRETE SIDEWALK
- TEMPORARY CONSTRUCTION EASMENT
- PERMANENT EASEMENT
- PERMANENT ROW

7

N/F
THE CITY OF ST. LOUIS,
A MUNICIPAL CORPORATION
9750 OLIVE BLVD.

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 11:36:15 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	34

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

RIGHT OF WAY SHEET
SHEET 6 OF 8

PARCEL 7 (NEW PERM. ROW)						
POINT	STATION	OFFSET	BEARING	DISTANCE	CURVE RADIUS	CURVE DISTANCE
A	43+29.44	45.00' RT.				
			S17°58'59"E	12.70'		
B	43+29.42	57.70' RT.				
			N71°55'54"E	23.06'		
C	43+52.47	57.70' RT.				
			S55°14'06"E	16.31'		
D	43+62.33	70.70' RT.				
			S29°18'08"E	17.88'	43.92'	18.01'
E	43+65.81	88.24' RT.				
			N89°29'34"E	8.51'		
F	43+73.93	90.81' RT.				
			N00°30'26"W	48.05'		
G	43+88.43	45.00' RT.				
			S71°55'54"W	58.99'		
A	43+29.44	45.00' RT.				

SCALE
0 20 40 60

LEGEND
- NEW CONCRETE SIDEWALK
- TEMPORARY CONSTRUCTION EASEMENT
- PERMANENT EASEMENT
- PERMANENT ROW

MATCHLINE STA. 39+49.20 R15

40

EXIST. R/W

RTE. 340

EQUATION:
STA 41+24.90 BK =
STA 41+26.06 AHD

PT STA 41+26.06 R16

44+34.14 R2, RTE 340 =
0+00.00 OLD BONHOMME RD

POT STA 44+51.07 R16

MATCHLINE "D"
STA. 44+90.36 R16

N71°55'54"E

72°26'20"

R&REPLACE
POWER SUPPLY

REMOVE
GUARDRAIL

EX. SMALL BLOCK
RETAINING WALL (UIP)

R&REPLACE
SIGNAL CABINET

EX. BUSINESS
SIGN (DND)

EX. LANDSCAPING (UIP)

PROPOSED
PERMANENT ROW

VAR. WIDTH
SIDEWALK
(BY OTHERS)

OLD BONHOMME ROAD
(60' WIDE)

PI 39+79.65
PC 328+33.05
PT 41+26.806
Δ 13°8'0.0" (LT)
D 4°30'0.0"
L 291.93' (ARC) 291.85' (CHORD)
T 146.61'
R 1,273.57'

7

N/F
THE CITY OF ST. LOUIS,
A MUNICIPAL CORPORATION
9750 OLIVE BLVD.

52.13 ACRE ORIGINAL
1285 SF. NEW PERM. RIGHT OF WAY
52.10 ACRE REMAINING

CERTIFIED LAND SURVEY TIE #6
LAND CORNER TIE #6 FOUND IRON PIPE WITH CAP L.S.14D ON THE WEST LINE OF BONHOMME VILLAGE APARTMENTS A SUBDIVISION RECORDED IN PLAT BOOK 241 PAGES 49 AND 50 OF THE ST. LOUIS COUNTY RECORDS; SAID IRON PIPE ALSO BEING THE NORTHWEST CORNER OF BONHOMME ROAD (VARIABLE WIDTH) RECORDED IN PLAT BOOK 171 PAGE 44 OF THE ST. LOUIS COUNTY RECORDS. SAID IRON PIPE BEING N20°57'55"W 287.48' FROM CENTERLINE STATION 45+00

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 3:38:41 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	35

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

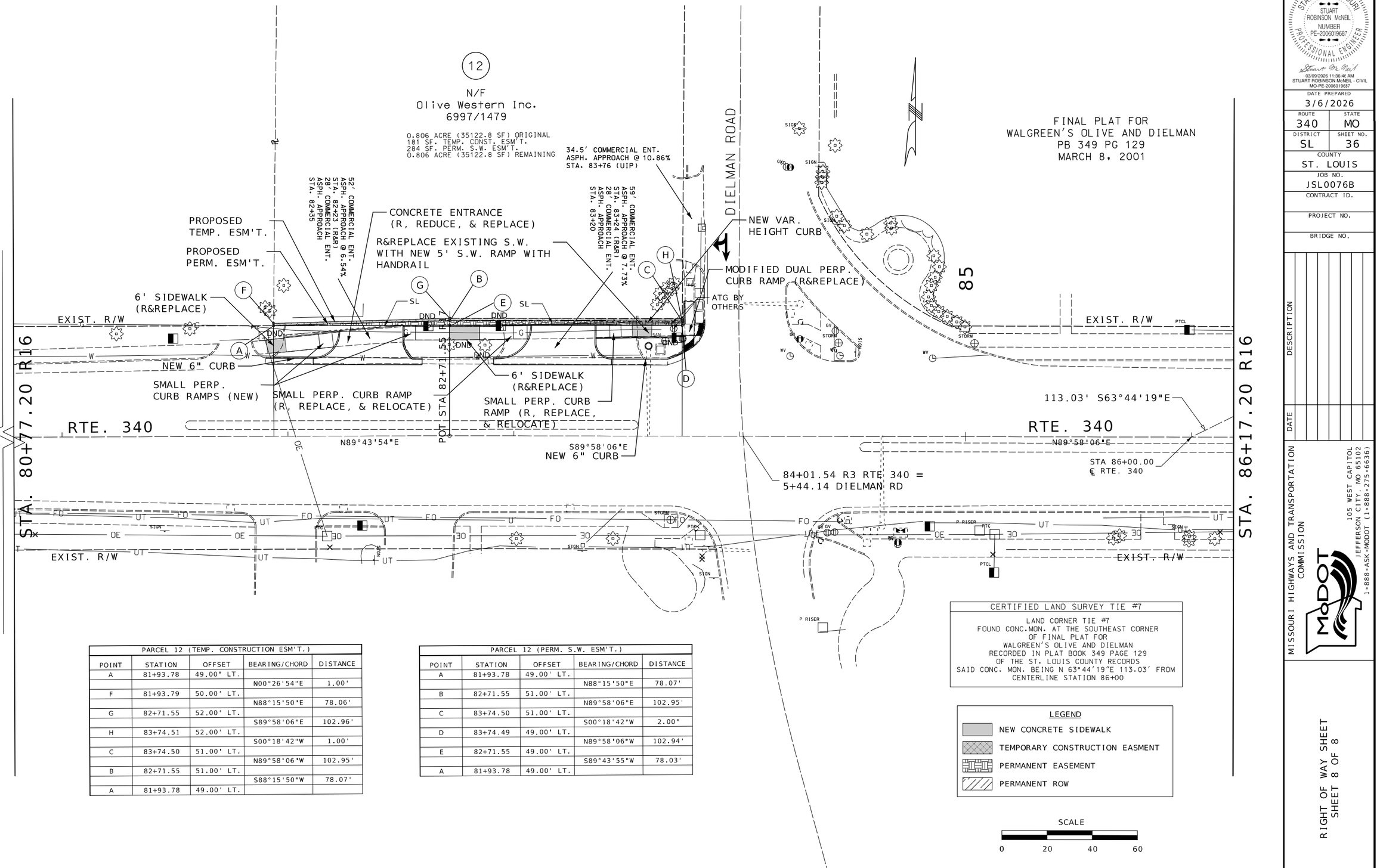
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

RIGHT OF WAY SHEET
SHEET 7 OF 8



PARCEL 12 (TEMP. CONSTRUCTION ESM'T.)				
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE
A	81+93.78	49.00' LT.		
			N00°26'54"E	1.00'
F	81+93.79	50.00' LT.		
			N88°15'50"E	78.06'
G	82+71.55	52.00' LT.		
			S89°58'06"E	102.96'
H	83+74.51	52.00' LT.		
			S00°18'42"W	1.00'
C	83+74.50	51.00' LT.		
			N89°58'06"W	102.95'
B	82+71.55	51.00' LT.		
			S88°15'50"W	78.07'
A	81+93.78	49.00' LT.		

PARCEL 12 (PERM. S.W. ESM'T.)				
POINT	STATION	OFFSET	BEARING/CHORD	DISTANCE
A	81+93.78	49.00' LT.		
			N88°15'50"E	78.07'
B	82+71.55	51.00' LT.		
			N89°58'06"E	102.95'
C	83+74.50	51.00' LT.		
			S00°18'42"W	2.00'
D	83+74.49	49.00' LT.		
			N89°58'06"W	102.94'
E	82+71.55	49.00' LT.		
			S89°43'55"W	78.03'
A	81+93.78	49.00' LT.		

CERTIFIED LAND SURVEY TIE #7

LAND CORNER TIE #7
FOUND CONC.MON. AT THE SOUTHEAST CORNER
OF FINAL PLAT FOR
WALGREEN'S OLIVE AND DIELMAN
RECORDED IN PLAT BOOK 349 PAGE 129
OF THE ST. LOUIS COUNTY RECORDS
SAID CONC. MON. BEING N 63°44'19"E 113.03' FROM
CENTERLINE STATION 86+00

LEGEND

- NEW CONCRETE SIDEWALK
- TEMPORARY CONSTRUCTION EASMENT
- PERMANENT EASEMENT
- PERMANENT ROW

SCALE

0 20 40 60

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 11:36:46 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	36

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

RIGHT OF WAY SHEET
SHEET 8 OF 8

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

03/25/2026 9:34:56 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/16/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	37

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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 1 OF 1

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

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88
GEOID MODEL	GEOID 18
ELEVATIONS DETERMINED BY	MODOT GNSS
PROJECT PROJECTION FACTOR	1.00008780

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)
CONTROL STATION	MISSOURI CORS
DESIGNATION	MODOT SEILER TREECOURT CORS ARP
CORS_ID	MOSI
PID	DL3650
LATITUDE	38°33'44.2306"
LONGITUDE	90°27'40.9024"
NORTHING (M)	302843.5680
EASTING (M)	253367.3910
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 #1
N 1033035.533 X 0.999912208 = N 1032944.8407
E 836628.177 X 0.999912208 = E 836554.7277

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION
PROJECT CONTROL POINTS							
5	131+39.64 R3	340	53.7907' L	1,033,035.53	836,628.18	674.64	W.P. #1 @ NEW BALLAS (COPPERWELD)
6	136+03.12 R3	340	57.0589' L	1,033,014.78	837,108.05	670.60	W.P. #2 @ NEW BALLAS (COPPERWELD)
9	44+06.47 R16	340	51.2819' R	1,034,061.41	851,691.23	710.22	IRON ROD W/PLASTIC CAP, WP #1
9	47+59.70 R16	340	39.8647' R	1,034,156.29	852,032.25	711.96	IRON ROD W/PLASTIC CAP, WP #2
11	103+62.96 R18	340	47.2513' L	1,034,363.81	857,606.25	621.95	IRON ROD W/PLASTIC CAP STAMPED "L.S. 347D", WP #703
11	110+19.90 R18	340	57.6618' R	1,034,459.34	858,262.68	600.78	IRON ROD W/PLASTIC CAP STAMPED "L.S. 19D", WP #715
ALIGNMENTS							
4	115+40.8 R1	340	0	1033583.1609'	835122.9538'		BEGIN PROJECT
4	115+40.84 R1	340	0	1033583.1609'	835122.9538'		PC CURVE
4	117+65.00 R1	340	0	1033515.7501'	835336.6776'		PT CURVE
5	121+86.27 R1	340	0	1033373.4145'	835733.1735'		POT CURVE
5	126+17.12 R1	340	0	1033227.8422'	836138.6860'		EQNBK
5	126+19.95 R2	340	0				EQNAH, POT CURVE
5	127+11.46 R2	340	0	1033197.8774'	836225.1510'		PC CURVE
5	131+30.65 R2	340	0	1033090.0283'	836629.8435'		EQNBK
5	131+30.95 R3	340	0				EQNAH, PT CURVE
5	132+21.46 R3	340	0	1033073.1761'	836718.7708'		PC CURVE
6	136+86.04 R3	340	0	1033088.6102'	837179.3281'		EQNBK
6	136+89.97 R4	340	0				EQNAH, PT CURVE
6	140+93.41 R4	340	0	1033190.0971'	837569.7982'		EQNBK
6	140+95.45 R5	340	0				EQNAH, POT CURVE
6	146+22.96 R5	340	0	1033331.6833'	838077.9519'		PC CURVE
7	151+07.97 R5	340	0	1033377.8127'	838558.2521'		EQNBK
7	151+09.07 R6	340	0				EQNAH, PT CURVE
7	155+54.82 R6	340	0	1033342.0850'	839002.5680'		PC CURVE
7	157+84.84 R6	340	0	1033332.8673'	839232.3377'		PT CURVE
7	157+84.95 R7	340	0				
7	164+56.84 R7	340	0	1033332.8673'	839904.2277'		POT CURVE
	165+32.09 R7	340	0	1033332.8989'	839979.4777'		
	169+06.96 R7	340	0	1033428.7368'	840337.4888'		PT CURVE
	169+81.98 R7	340	0	1033466.2099'	840402.4746'		EQNBK
	169+82.43 R8	340	0				EQNAH
	180+19.93 R8	340	0	1033984.4798'	841301.2577'		
	183+13.56 R8	340	0	1034131.9715'	841555.1569'		PC CURVE
	187+44..46 R8	340	0	1034230.9437'	841968.3043'		PT CURVE
	188+12.43 R8	340	0	1034227.1388'	842036.1654'		EQNBK
	188+15.32 R9	340	0				EQNAH
	189+25.12 R9	340	0	1034220.9919'	842145.7955'		EQNBK
	189+28.01 R10	340	0				EQNAH, PC CURVE
	192+69.72 R10	340	0	1034161.5461'	842481.4736'		PT CURVE
	193+44.72 R10	340	0	1034139.7739'	842553.2432'		EQNBK
	193+44.76 R11	340	0				EQNAH
	198+62.98 R11	340	0	1033989.3353'	843049.1472'		PC CURVE
	202+75.53 R11	340	0	1033980.7932'	843456.4813'		PT CURVE
	203+39.99 R11	340	0	1033996.9032'	843518.8948'		EQNBK
	203+45.02 R12	340	0				EQNAH
	204+64.35 R12	340	0	1034026.7271'	843634.4387'		PC CURVE
	207+14.41 R12	340	0	1034062.4223'	843881.4406'		
	207+89.40 R12	340	0	1034065.0041'	843956.3818'		EQNBK
	207+82.68 R13	340	0				EQNAH
	214+66.45 R13	340	0	1034088.5469'	844639.7507'		PC CURVE
	220+49.85 R13	340	0	1034093.7849'	845223.0584'		PT CURVE
	231+49.90 R13	340	0	1034075.6873'	846322.9591'		POT CURVE
	246+40.75 R13	340	0	1034051.5775'	847813.6160'		EQNBK
	246+43.75 R14	340	0				EQNAH
	259+11.66 R14	340	0	1034031.0973'	849081.3592'		PC CURVE
8	267+68.33 R14	340	0	1033953.6427'	849933.7289'		PT CURVE
8	270+35.07 R14	340	0	1033909.8078'	850196.8368'		EQNBK
8	28+68.00 R15	340	0				EQNAH, POT CURVE
8	32+54.47 R15	340	0	1033848.2513'	850578.3730'		PC CURVE
8	35+01.84 R15	340	0	1033839.1412'	850825.0513'		PT CURVE
9	38+33.05 R15	340	0	1033867.6335'	851155.0335'		PC CURVE

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
Stuart McNeil
03/24/2026 3:38:51 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	38

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

COORDINATE POINT SHEET
SHEET 1 OF 2

9	41+24.90 R15	340	0	1033925.7151'	851440.4724'		EQNBK
9	41+26.06 R16	340	0				EQNAH, PT CURVE
9	44+51.07 R16	340	0	1034026.5171'	851749.4553'		POT CURVE
	55+58.51 R16	340	0	1034355.2567'	852806.9777'		PC CURVE
	58+37.68 R16	340	0	1034398.2806'	853081.9327'		PT CURVE
	59+21.23 R16	340	0	1034399.0363'	853165.4793'		EQNBK
	59+22.69 R17	340	0				EQNAH, POT CURVE
	61+76.07 R17	340	0	1034401.3284'	853418.8489'		POT CURVE
10	82+71.55 R17	340	0	1034411.1406'	855514.3059'		POT CURVE
	96+34.76 R17	340	0	1034410.3862'	856877.5113'		EQNBK
	96+34.92 R18	340	0				EQNAH, POT CURVE
11	105+86.10 R18	340	0	1034410.6505'	857828.6874'		POT CURVE
11	110+79.34 R18	340	0	1034400.7876'	858321.8354'		POT CURVE
11	111+38.55 R18	340	0	1034400.7876'	858381.0418'		POT CURVE
11	112+48.44 R18	340	0	1034402.0290'	858490.9250'		POT CURVE
12	121+51.72 R18	340	0	1034420.0908'	859394.0244'		EQNBK
12	121+52.98 R19	340	0				EQNAH, POT CURVE
12	123+42.85 R19	340	0	1034417.8006'	859583.8853'		EQNBK
12	123+42.83 R20	340	0				EQNAH, POT CURVE
13	129+31.79 R20	340	0	1034416.3404'	860172.8395'		EQNBK
13	129+33.08 R21	340	0				EQNAH, POT CURVE
13	132+08.80 R21	340	0	1034414.7890'	860448.5561'		POT CURVE
13	139+69.68 R21	340	0	1034415.5982'	861209.4357'		POT CURVE
14	142+96.79 R21	340	0	1034407.9857'	861536.4571'		PC CURVE
14	144+42.73 R21	340	0	1034400.4122'	861682.1756'		EQNBK
14	144+42.75 R22	340	0				EQNAH, PT CURVE
14	151+19.00 R22	340	0	1034345.9795'	862356.2315'		POT CURVE
15	165+55.26 R22	340	0	1034229.5393'	863787.7636'		PC CURVE
16	167+84.92 R22	340	0	1034202.6067'	864015.7878'		EQNBK
16	167+85.02 R23	340	0				EQNAH, PT CURVE
17	192+09.26 R23	340	0	1033830.8060'	866411.3470'		POT CURVE
18	199+04.57 R23	340	0	1033723.5674'	867098.3374'		PC CURVE
18	200+95.40 R23	340	0	1033698.8563'	867287.5407'		PT CURVE
18	201+64.86 R23	340	0	1033691.5839'	867356.6190'		PC CURVE
18	203+55.69 R23	340	0	1033666.8729'	867545.8222'		EQNBK
18	203+55.43 R24	340	0				EQNAH, PT CURVE
19	209+29.03 R24	340	0	1033578.4058'	868112.5590'		POT CURVE
19	210+85.39 R24	340	0	1033554.3800'	868267.0621'		PC CURVE
19	213+43.50 R24	340	0	1033506.1363'	868520.5734'		PT CURVE
19	214+70.74 R24	340	0	1033478.1405'	868644.6953'		PC CURVE
19	218+27.11 R24	340	0	1033426.9412'	868997.0034'		EQNBK
19	218+24.74 R25	340	0				EQNAH, PT CURVE
20	227+14.49 R25	340	0	1033368.6903'	869867.8367'		EQNBK
20	227+00.00 R26	340	0				EQNAH, POT CURVE
20	228+13.40 R26	340	0	1033361.1218'	869980.9838'		PC CURVE
20	230+86.07 R26	340	0	1033295.2220'	870244.2776'		EQNBK
20	230+91.67 R27	340	0				EQNAH, PT CURVE
21	239+63.73 R27	340	0	1032936.6776'	871039.2208'		PC CURVE
21	243+78.74 R27	340	0	1032696.1853'	871374.0828'		EQNBK
21	243+84.84 R28	340	0				EQNAH, PT CURVE
21	244+00.00 R28	340	0	1032685.0811'	871384.4038'		POT CURVE
22	250+23.33 R28	340	0	1032226.3192'	871806.3965'		PC CURVE
22	253+34.72 R28	340	0	1032015.2993'	872034.9130'		PT CURVE
22	253+57.10 R28	340	0	1032001.5053'	872052.5365'		EQNBK
22	253+54.56 R29	340	0				EQNAH, POT CURVE
23	262+13.60 R29	340	0	1031472.0331'	872729.0045'		POT CURVE
23	274+64.30 R29	340	0	1030701.8533'	873714.4351'		PC CURVE
24	278+52.53 R29	340	0	1030555.1341'	874068.7615'		EQNBK
24	278+58.01 R30	340	0				EQNAH, PT CURVE
24	283+48.00 R30	340	0	1030495.6159'	874555.1232'		END PROJECT

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

03/09/2026 3:20:03 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO

DISTRICT	SHEET NO.
SL	39

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

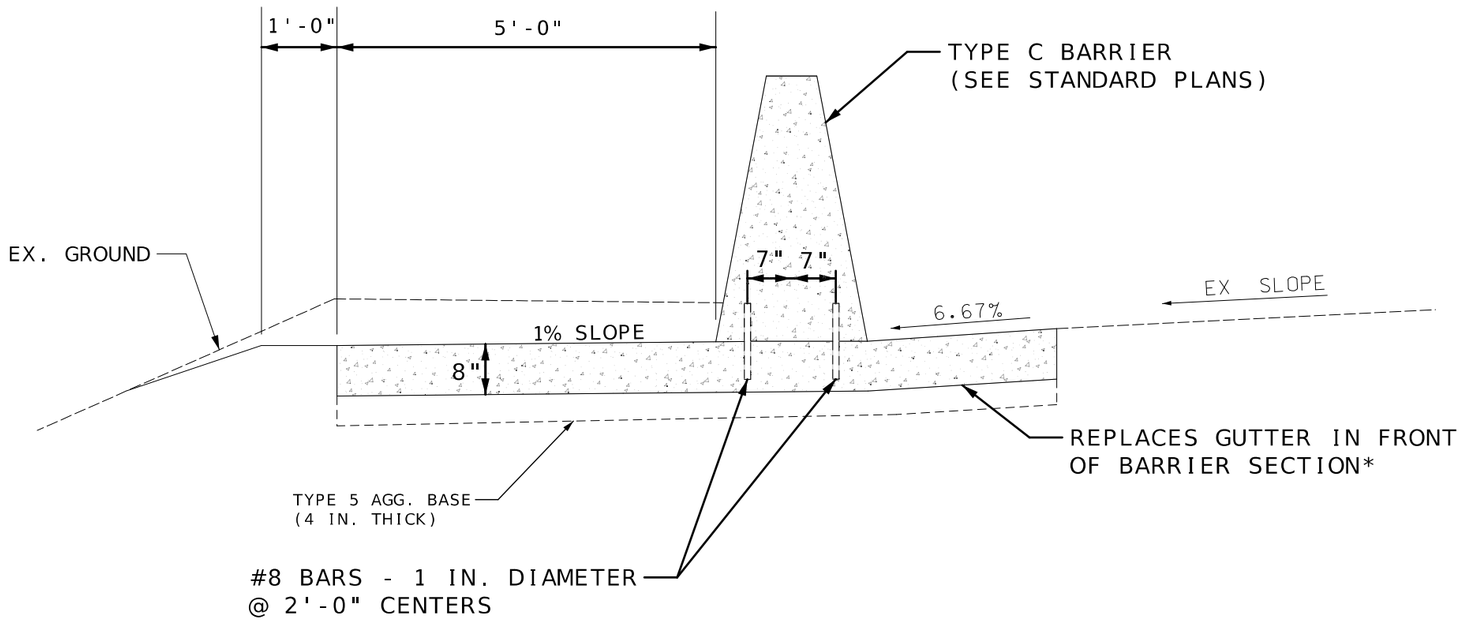
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

COORDINATE POINT SHEET
SHEET 2 OF 2



MONOLITHIC SIDEWALK WITH BARRIER

ON PLAN SHEET 5
(STA. 130+63.9)

GENERAL NOTES:

1. SEE JSP FOR "MONOLITHIC SIDEWALK WITH BARRIER" FOR DETAILS AND PAY ITEMS.

2. EXISTING RIGHT-OF-WAY IS NOT LOCATED AT FOOT OF SLOPES. GRADING SHALL NOT EXCEED RIGHT-OF-WAY LIMITS.

3. *EXCEPT GUTTER REPLACEMENT AT GRATE INLET LOCATIONS

NOT TO SCALE

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 3:39:04 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	40

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

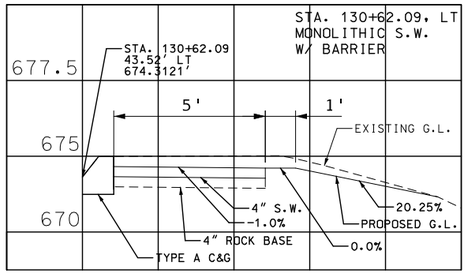
PROJECT NO.

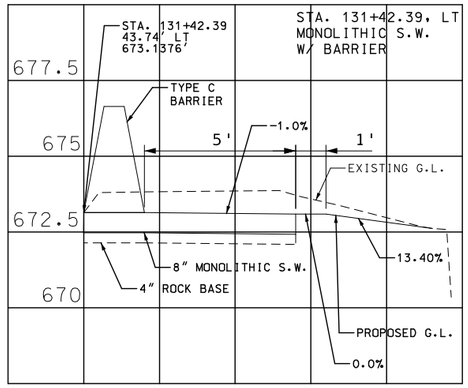
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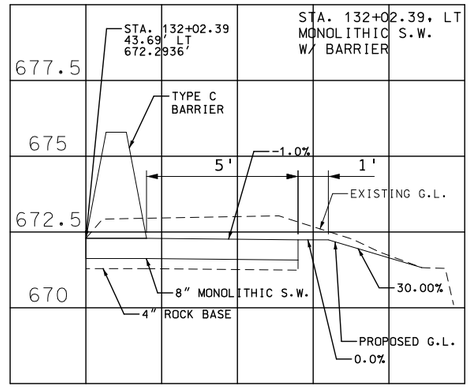
DESCRIPTION	DATE

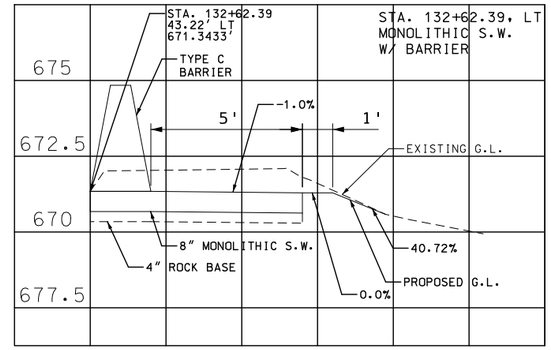
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

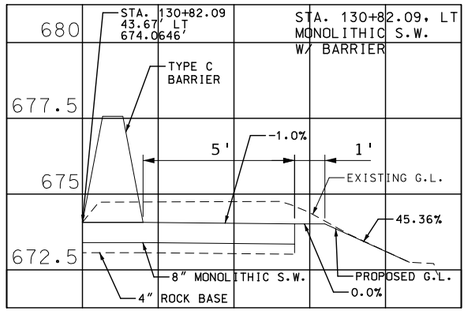
MONOLITHIC SIDEWALK WITH BARRIER

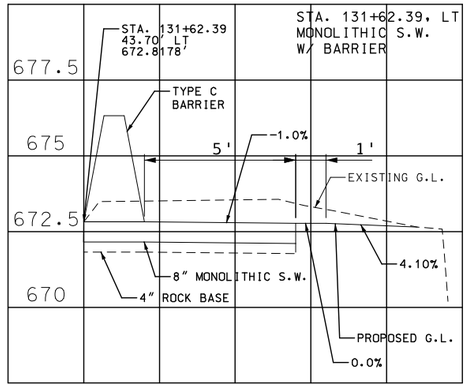


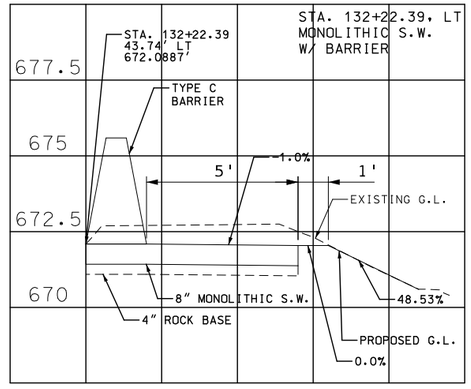


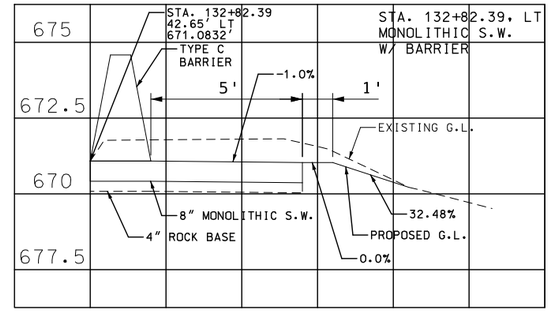


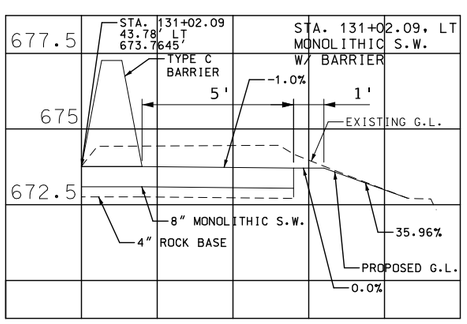


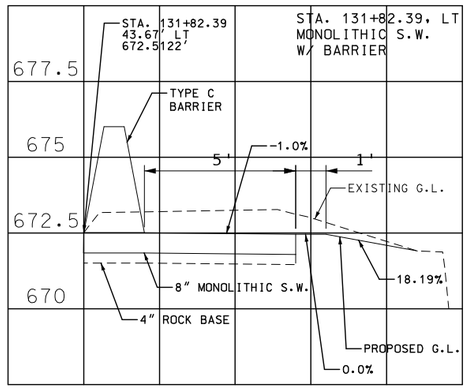


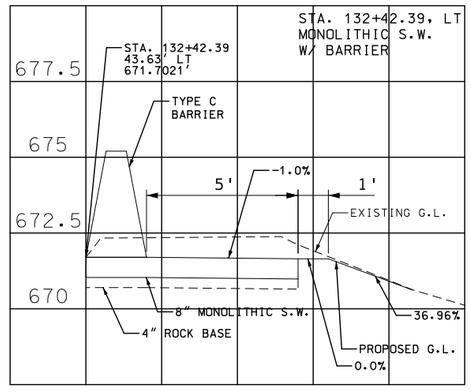


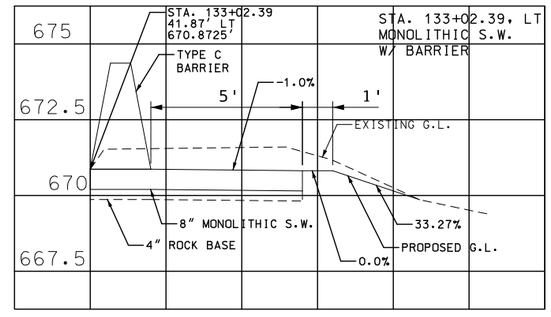


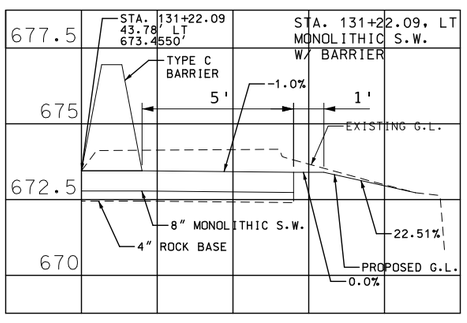


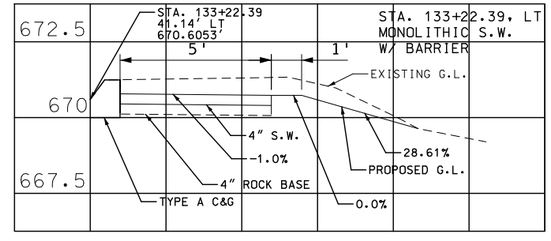












STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 4:19:04 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	41

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

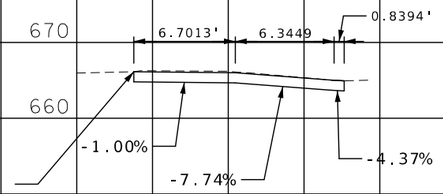
PROJECT NO.

BRIDGE NO.

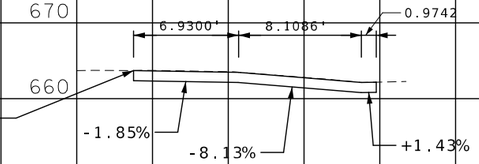
DESCRIPTION	DATE

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

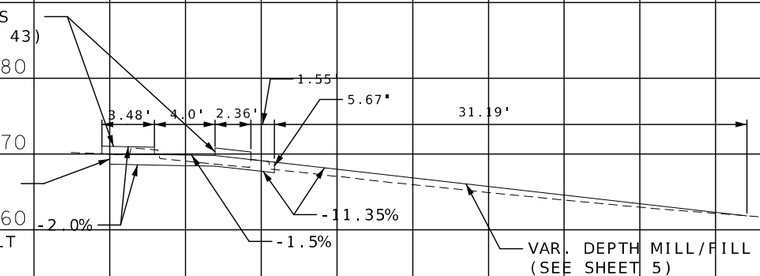
MONOLITHIC SIDEWALK WITH BARRIER CROSS SECTIONS



8 IN. CONCRETE
ENTRANCE
STA. 82+36
OFFSET: 47.8' LT
ELEV: 666.13'



8 IN. CONCRETE
ENTRANCE
STA. 83+20
OFFSET: 49.7' LT
ELEV: 663.70'



8 IN. CONCRETE
ENTRANCE
STA. 134+07
OFFSET: 35.6' LT
ELEV: 669.99'

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 4:19:16 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO

DISTRICT	SHEET NO.
SL	42

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

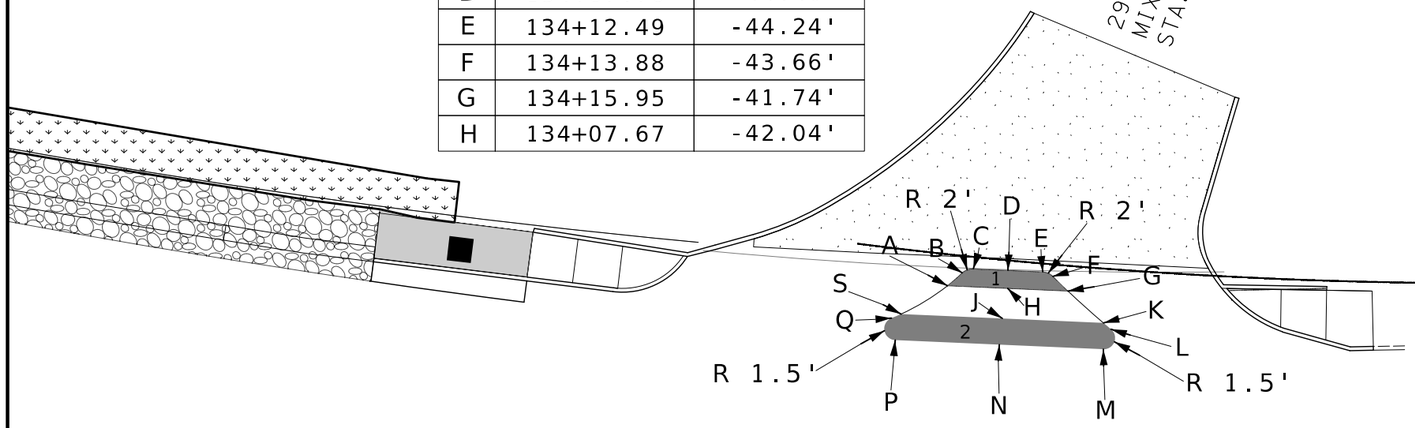
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MONOLITHIC SIDEWALK
WITH BARRIER

PI	13
Δ	25
D	5°
L	46
T	23
R	1,

6" RAISED ISLAND 1		
A	133+99.40	-42.28'
B	134+01.40	-43.98'
C	134+02.90	-44.54'
D	134+07.70	-44.40'
E	134+12.49	-44.24'
F	134+13.88	-43.66'
G	134+15.95	-41.74'
H	134+07.67	-42.04'



6" RAISED ISLAND 2		
J	134+06.99	-38.06'
K	134+20.84	-37.53'
L	134+21.86	-36.70'
M	134+20.80	-34.05'
N	134+06.60	-34.59'
P	133+92.38	-34.95'
Q	133+91.80	-37.83'
S	133+93.12	-38.41'

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
Stuart M. McN
03/09/2026 4:19:25 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	43

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
ISLAND DETAILS SHEET 1

6" MEDIAN ISLAND		
A	126+86.76	7.94'
B	127+91.62	6.45'
C	128+48.39	4.35'
D	129+05.21	2.01'
E	129+88.45	-1.54'
F	129+88.63	2.46'
G	129+05.24	6.07'
H	128+48.38	8.45'
J	127+91.66	10.83'
K	126+86.76	13.84'

I-170 N

COSTCO DR

130

SCALE
0 20 40 60

A B C D E F G H J K

S89°51'29"E

R 2.0'

S89°40'39"E

EQUATION:
JOPLIN STA 129+33.08
=
ST. LOUIS STA 129+31.79 BK

60'15

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 4:19:36 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	44

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

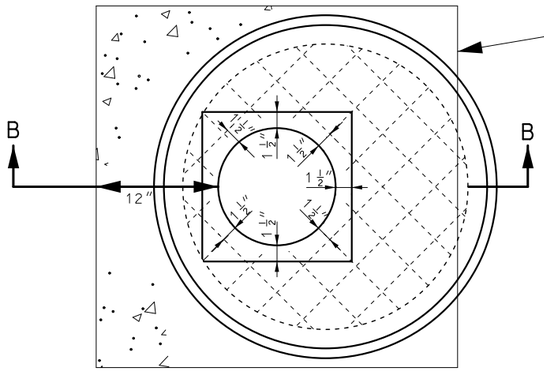
BRIDGE NO.

DESCRIPTION	DATE

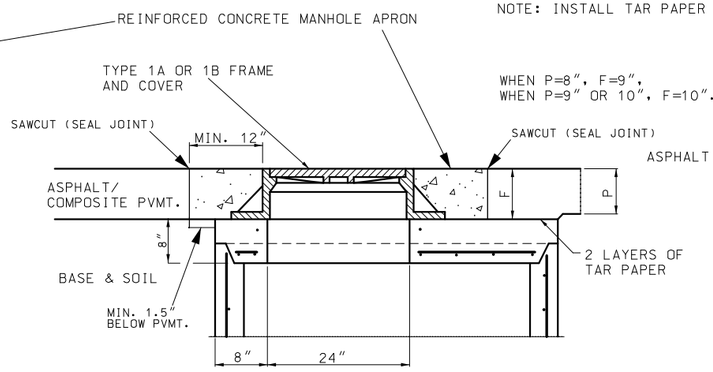
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET
MEDIAN DETAILS



PLAN OF FLAT SLAB
MANHOLE TOP

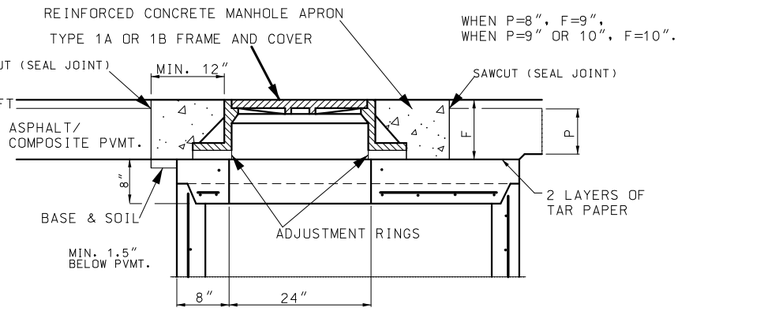


FLAT SLAB MANHOLE TOP (PAVED AREA)

SECTION B–B

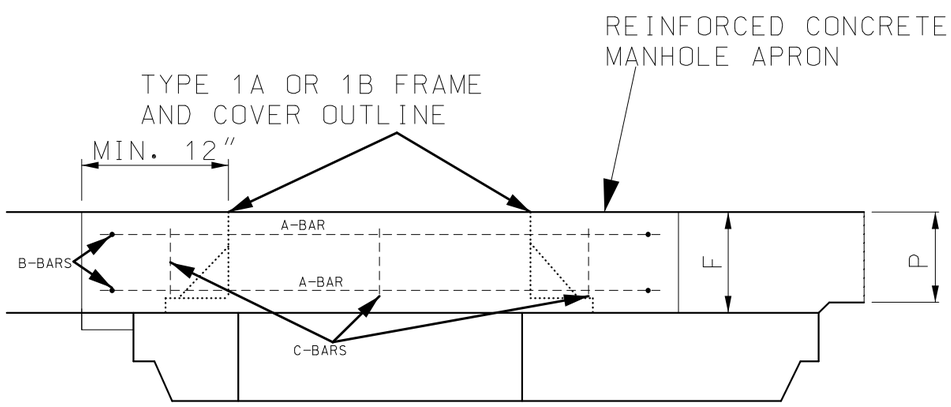
NOTE: INSTALL TAR PAPER BETWEEN FRAME & COVER AND THE NEW CONCRETE MANHOLE APRON AS DIRECTED BY THE ENGINEER.

WHEN P=8″, F=9″,
WHEN P=9″ OR 10″, F=10″.

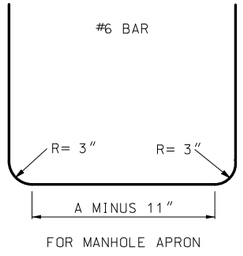


FLAT SLAB MANHOLE TOP (PAVED AREA) W/ ADJUSTMENT RINGS NEXT TO ASPHALT OVERLAY

SECTION B–B



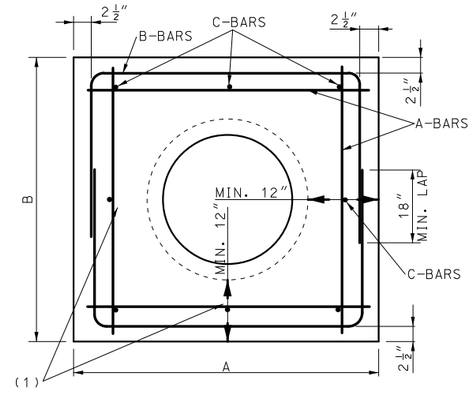
SECTION B–B
APRON REINFORCEMENT DETAIL



FOR MANHOLE APRON

BENDING DIAGRAM FOR B–BARS

(1) PROVIDE MIN. 4.75″ CLEARANCE
BETWEEN REINFORCING & MANHOLE FRAME & COVER
OR CIRCULAR PRECAST MANHOLE.

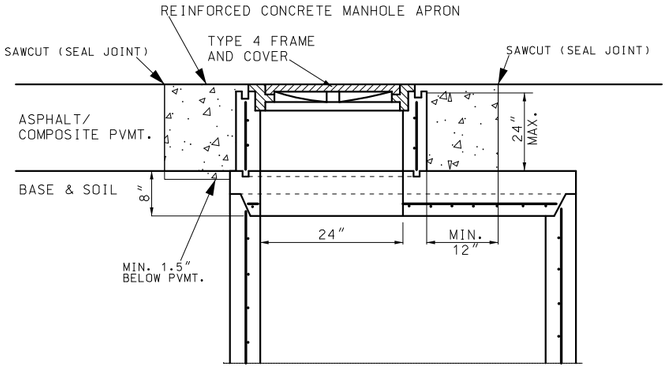


TOP VIEW OF MANHOLE APRON WITH REINFORCEMENT

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: 12″ WALL + MANHOLE (INCLUDING WALL THICKNESS) + 12″.
6. CONTRACTOR SHALL PROVIDE EITHER A SQUARE OR RECTANGLE SHAPED FULL DEPTH SAWCUT AROUND THE CONCRETE MANHOLE APRON AFTER CONSTRUCTION. THE MIN. WIDTH SHALL BE 12″ BUT MAY VARY. 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.



ALTERNATE MANHOLE TOP

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/05/2026 4:19:47 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	45

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

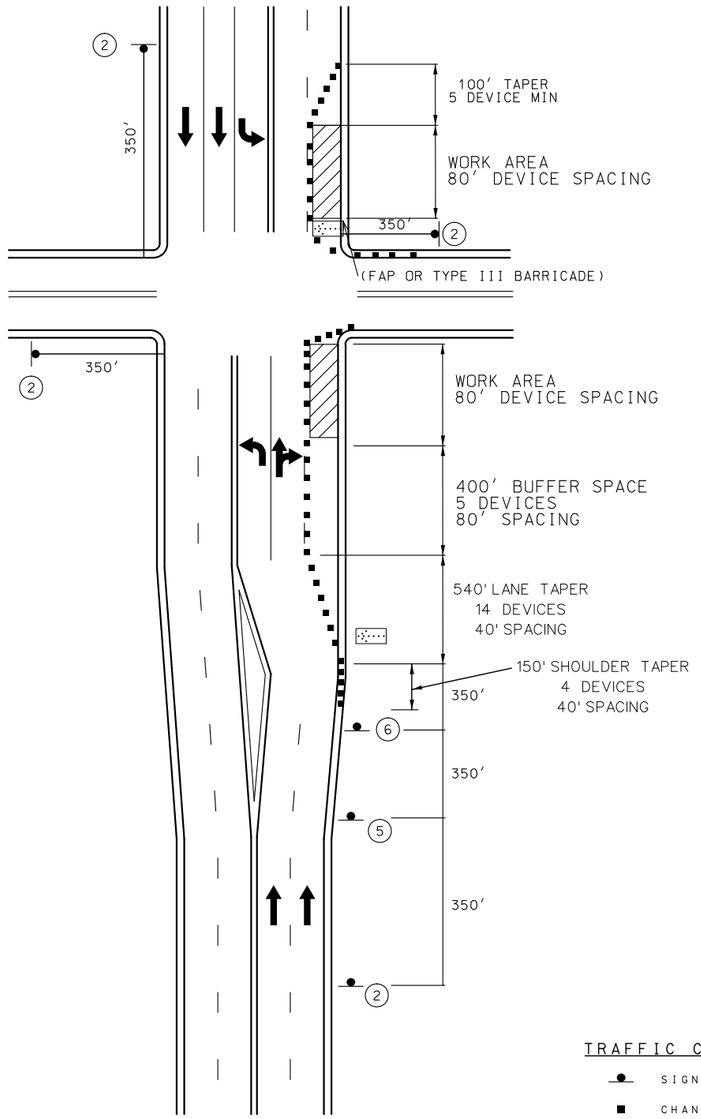
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

SPECIAL SHEET CONCRETE MANHOLE APRON FOR ASPHALT PAVING



RIGHT LANE CLOSURE AT INTERSECTION
WORK ON NEAR OR FAR SIDE

NOT TO SCALE



W020-1
2



W020-5
5



W020-6a
6

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 HTE FULL SIGN SERIES.

TRAFFIC CONTROL LEGEND

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

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 4:19:57 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	46

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

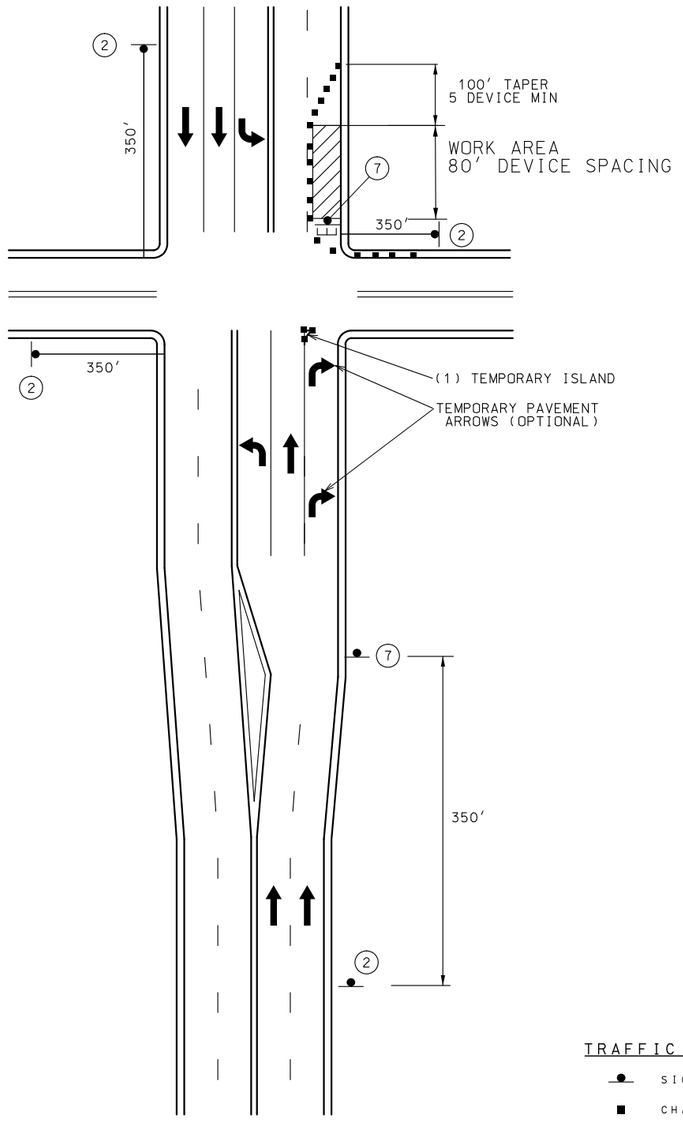
DESCRIPTION

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 1



RIGHT LANE CLOSURE AT INTERSECTION
WORK ON FAR SIDE



W020-1

2



R3-7R

7

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.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- TYPE 3 MOVEABLE BARRICADE

NOT TO SCALE

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
Stuart McNeil
03/09/2026 4:20:06 PM
STUART ROBINSON MCNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	47

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

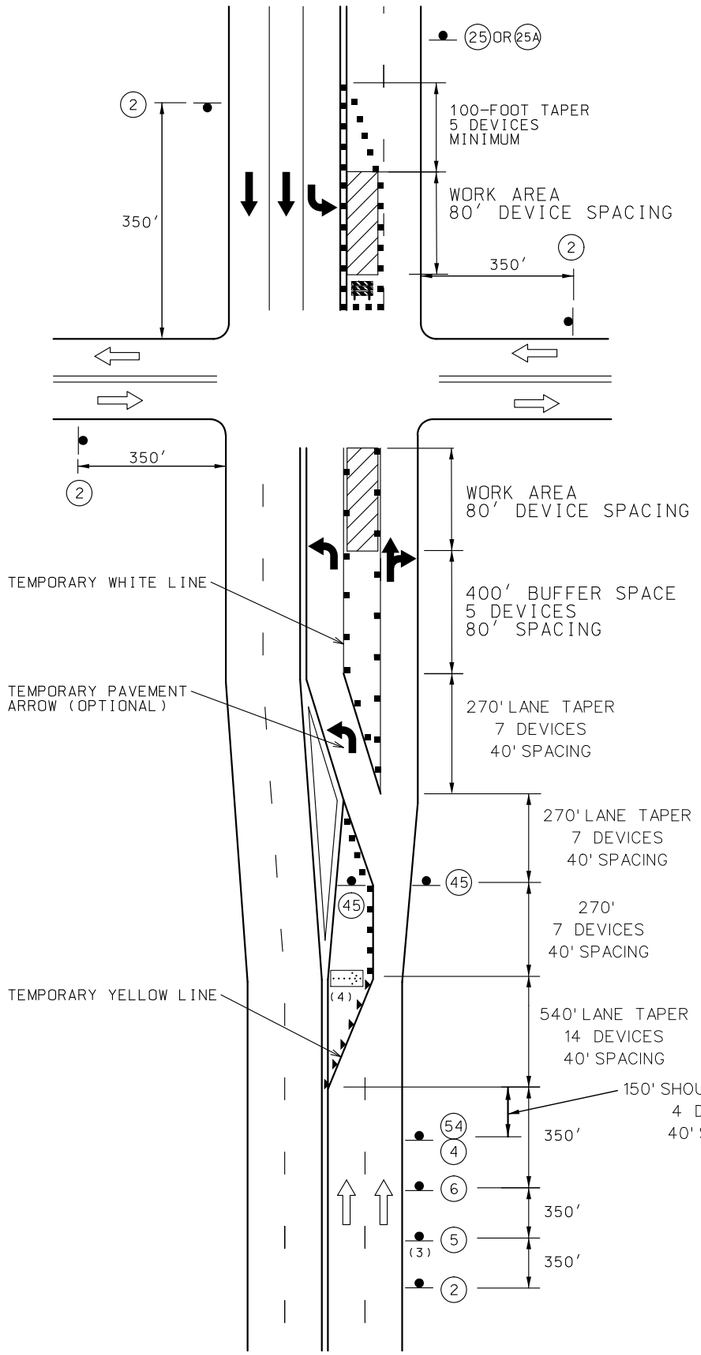
BRIDGE NO.

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 2



LEFT LANE CLOSURE AT INTERSECTION
WORK ON NEAR OR FAR SIDE

TRAFFIC CONTROL LEGEND

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



W020-1
2



W020-5
5



W020-6a
6



R3-7L
45



G020-5aP
54

R2-1
4



R2-1
25
(NORMAL SPEED)



R2-1
25A
(NORMAL SPEED)

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.

(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.

NOT TO SCALE

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
Stuart McNeil
03/09/2026 4:20:21 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	48

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

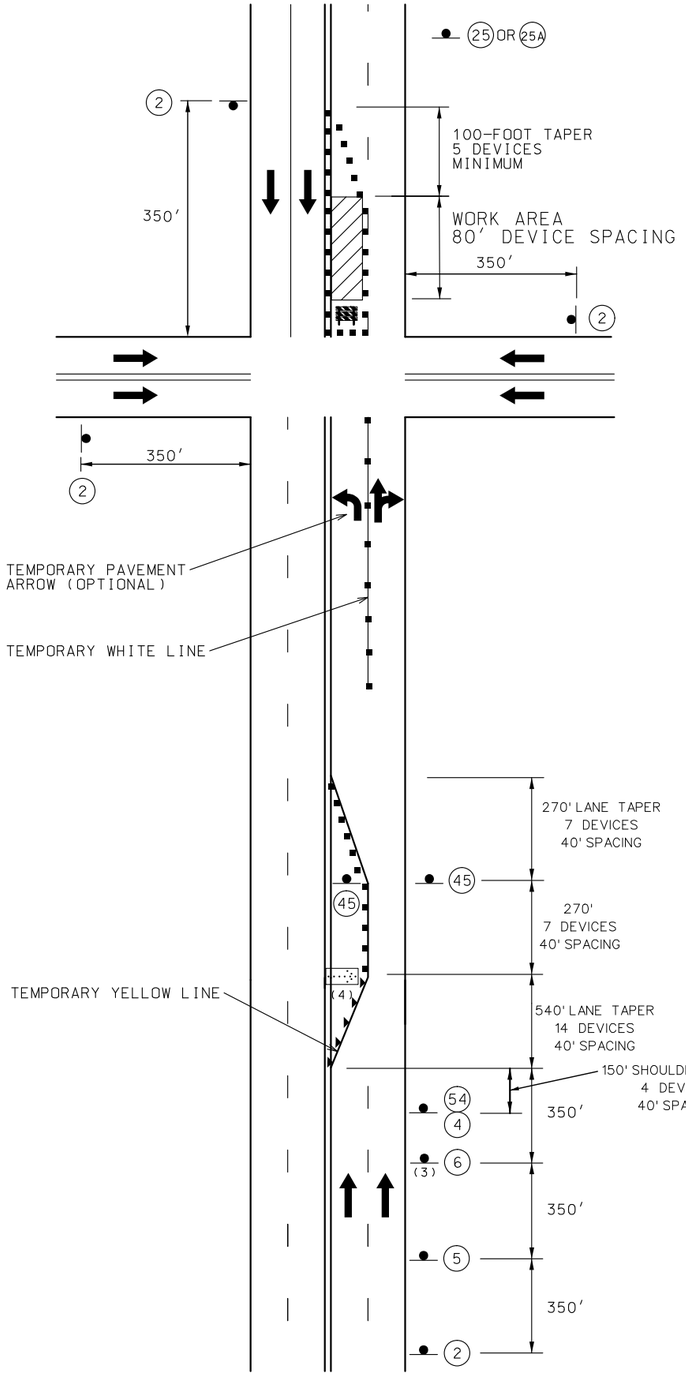
PROJECT NO.

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 3



LEFT LANE CLOSURE AT INTERSECTION
WORK ON FAR SIDE

TRAFFIC CONTROL LEGEND

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



W020-1
2



W020-5
5



W020-6a
6



G020-5aP
54

R2-1
4



R2-1
25
(NORMAL SPEED)



R2-1
25A
(NORMAL SPEED)



R3-7L
45

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.

(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.

NOT TO SCALE

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 4:20:34 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/9/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	49

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

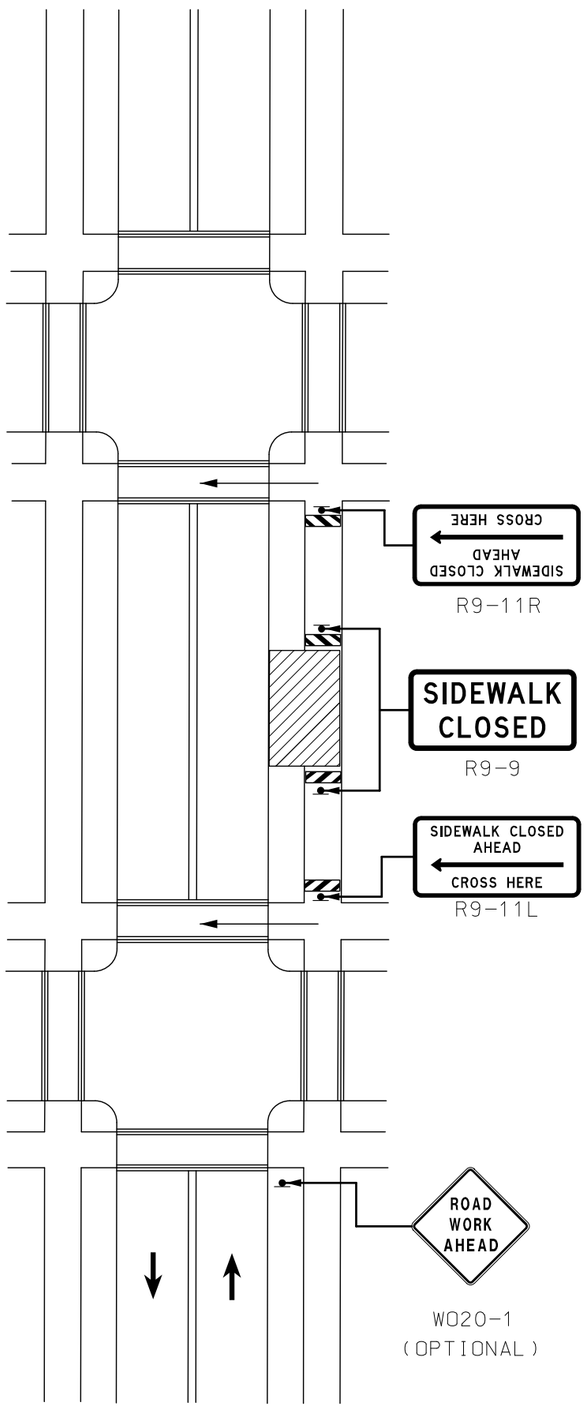
PROJECT NO.

BRIDGE NO.

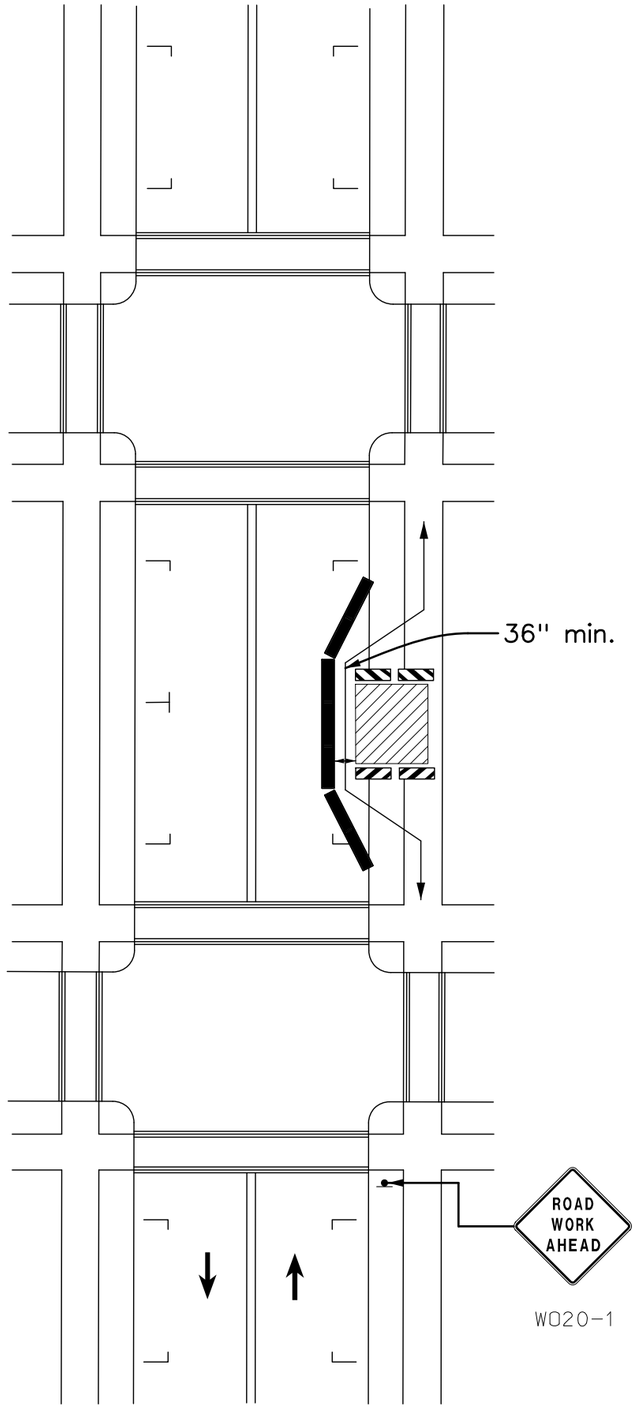
DESCRIPTION	DATE

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



SIDEWALK DETOUR



SIDEWALK DIVERSION

NOTES:

1. WHEN CROSSWALKS OR OTHER PEDESTRIAN FACILITIES ARE CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.
2. WHERE HIGH SPEEDS ARE ANTICIPATED, A TEMPORARY TRAFFIC BARRIER AND, IF NECESSARY, A CRASH CUSHION SHOULD BE USED TO SEPARATE SIDEWALKS FROM VEHICULAR TRAFFIC.
3. WHERE HIGH SPEEDS ARE ANTICIPATED, A TEMPORARY TRAFFIC BARRIER AND, IF NECESSARY, A CRASH CUSHION SHOULD BE USED TO SEPARATE SIDEWALKS FROM VEHICULAR TRAFFIC.
4. ONLY THE TTC DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES, SUCH AS LANE CLOSURE SIGNING OR "ROAD NARROWS" SIGNS, MAY BE USED TO CONTROL VEHICULAR TRAFFIC.
5. SIGNS, SUCH AS "KEEP RIGHT (LEFT)", MAY BE PLACED ALONG A TEMPORARY SIDEWALK TO GUIDE OR DIRECT PEDESTRIANS.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- WORK AREA
- LONGITUDINAL CHANNELIZING DEVICE
- TYPE III BARRICADE
- DIRECTION OF PEDESTRIAN DETOUR
- DIRECTION OF TRAFFIC

NOT TO SCALE

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/09/2026 4:20:44 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/6/2026

ROUTE	STATE
340	MO

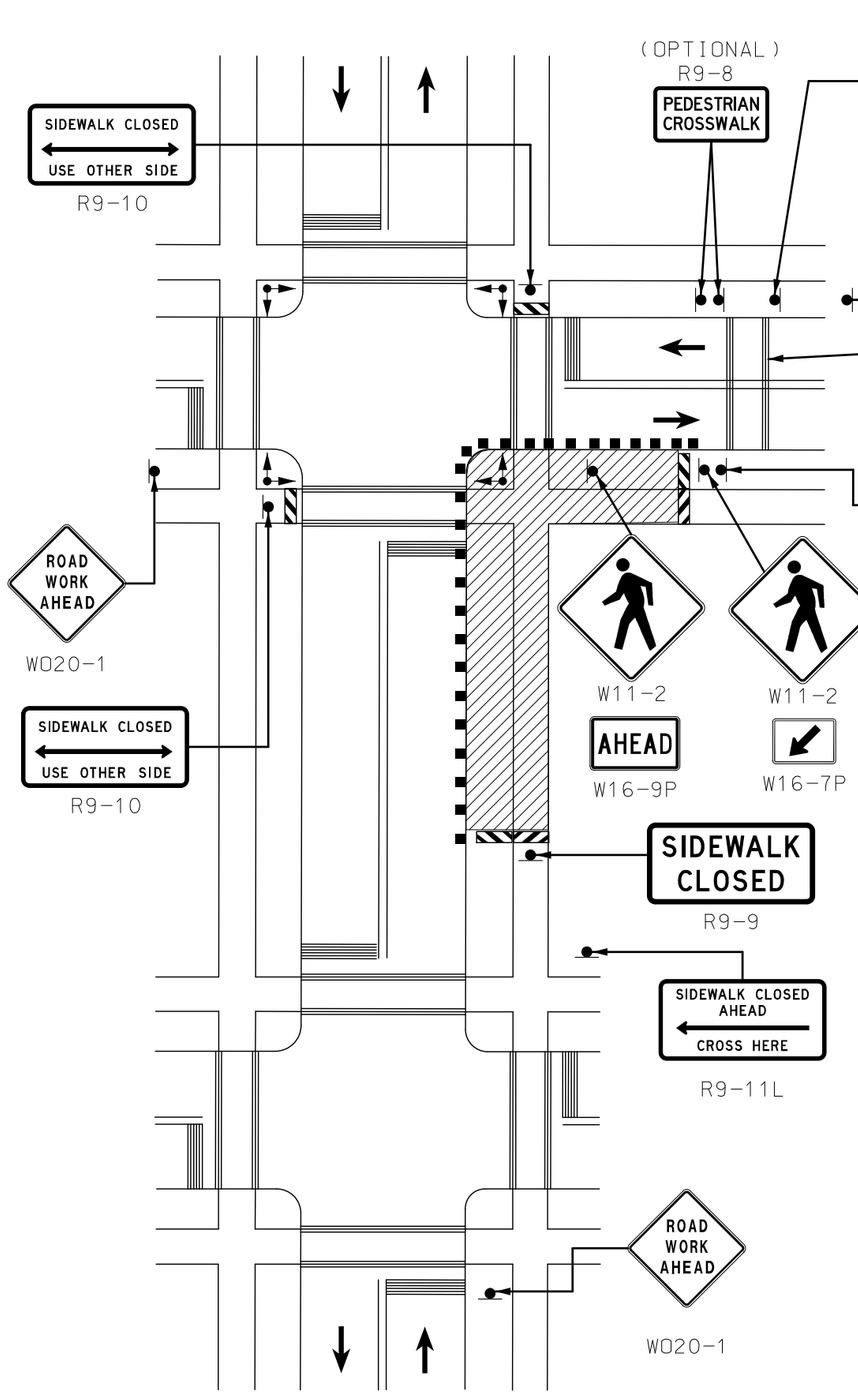
DISTRICT	SHEET NO.
SL	50

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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



SIDEWALK CLOSURE

NOTES:

1. WHEN CROSSWALKS OR OTHER PEDESTRIAN FACILITIES ARE CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.

2. CURB PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MIDBLOCK CROSSWALK.

3. AUDIBLE INFORMATION DEVICES SHOULD BE CONSIDERED WHERE MIDBLOCK CLOSINGS AND CHANGED CROSSWALK AREAS CAUSE INADEQUATE COMMUNICATION TO BE PROVIDED TO PEDESTRIANS WHO HAVE VISUAL DISABILITIES.

4. PEDESTRIAN TRAFFIC SIGNALS DISPLAYS CONTROLLING CLOSED CROSSWALKS SHOULD BE COVERED OR DEACTIVATED.

5. ONLY THE TTC DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES, SUCH AS LANE CLOSURE SIGNING OR "ROAD NARROWS" SIGNS, MAY BE USED TO CONTROL VEHICULAR TRAFFIC.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- WORK AREA
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC
- TRAFFIC OR PEDESTRIAN SIGNAL
- CHANNELIZER (TRIM-LINE)

NOT TO SCALE

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/05/2026 4:20:53 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/6/2026

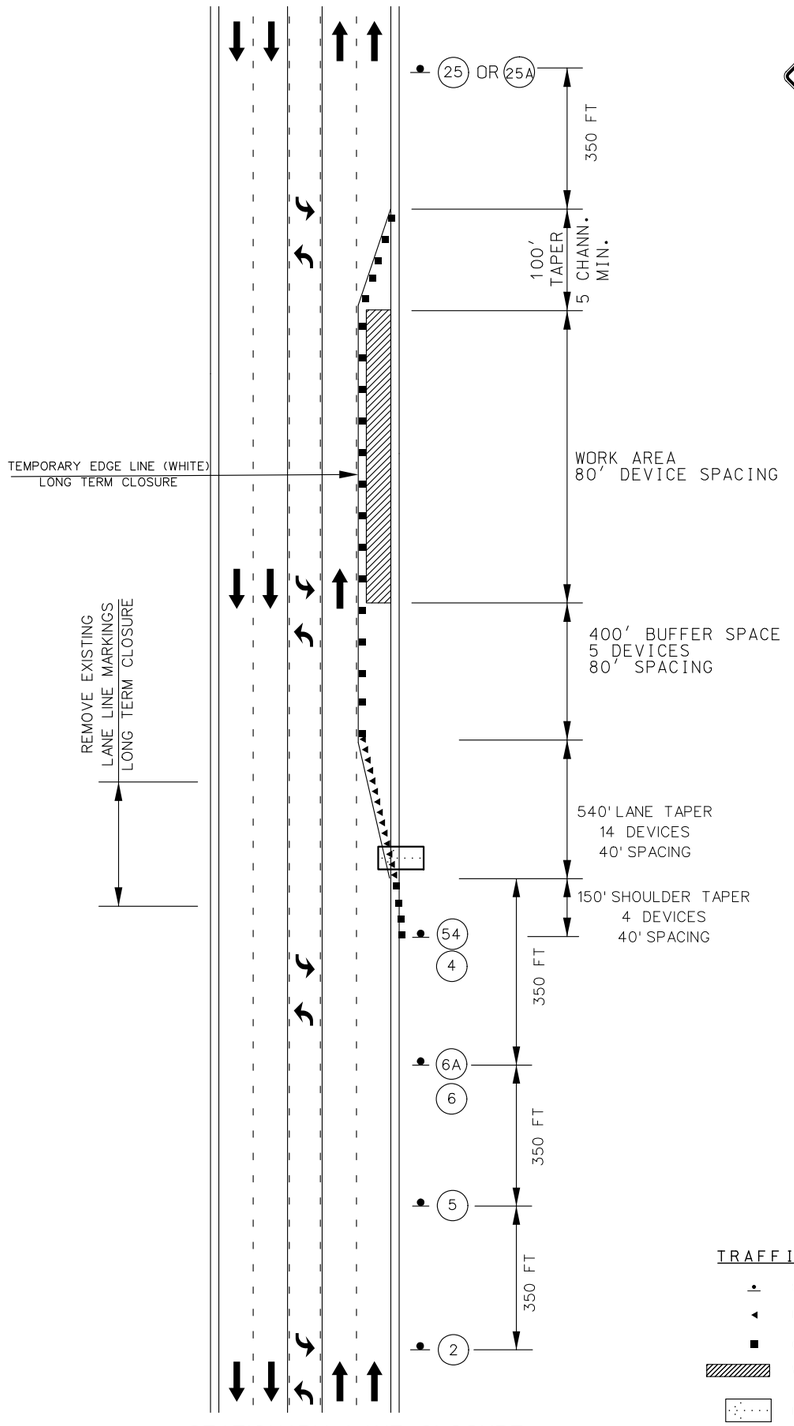
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	51

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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 6



STATIONARY LANE CLOSURE
ON A MULTI-LANE HIGHWAY



W020-1
(2)



W020-5
(5)



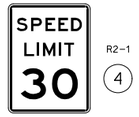
W020-6a
(6)



W04-1aL
(6A)



G020-5aP
(54)



R2-1
(4)



R2-1
(25)
(NORMAL SPEED)



R2-1
(25A)
(NORMAL SPEED)

NOTES:

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

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

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

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

TRAFFIC CONTROL LEGEND

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

NOT TO SCALE



DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	52

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

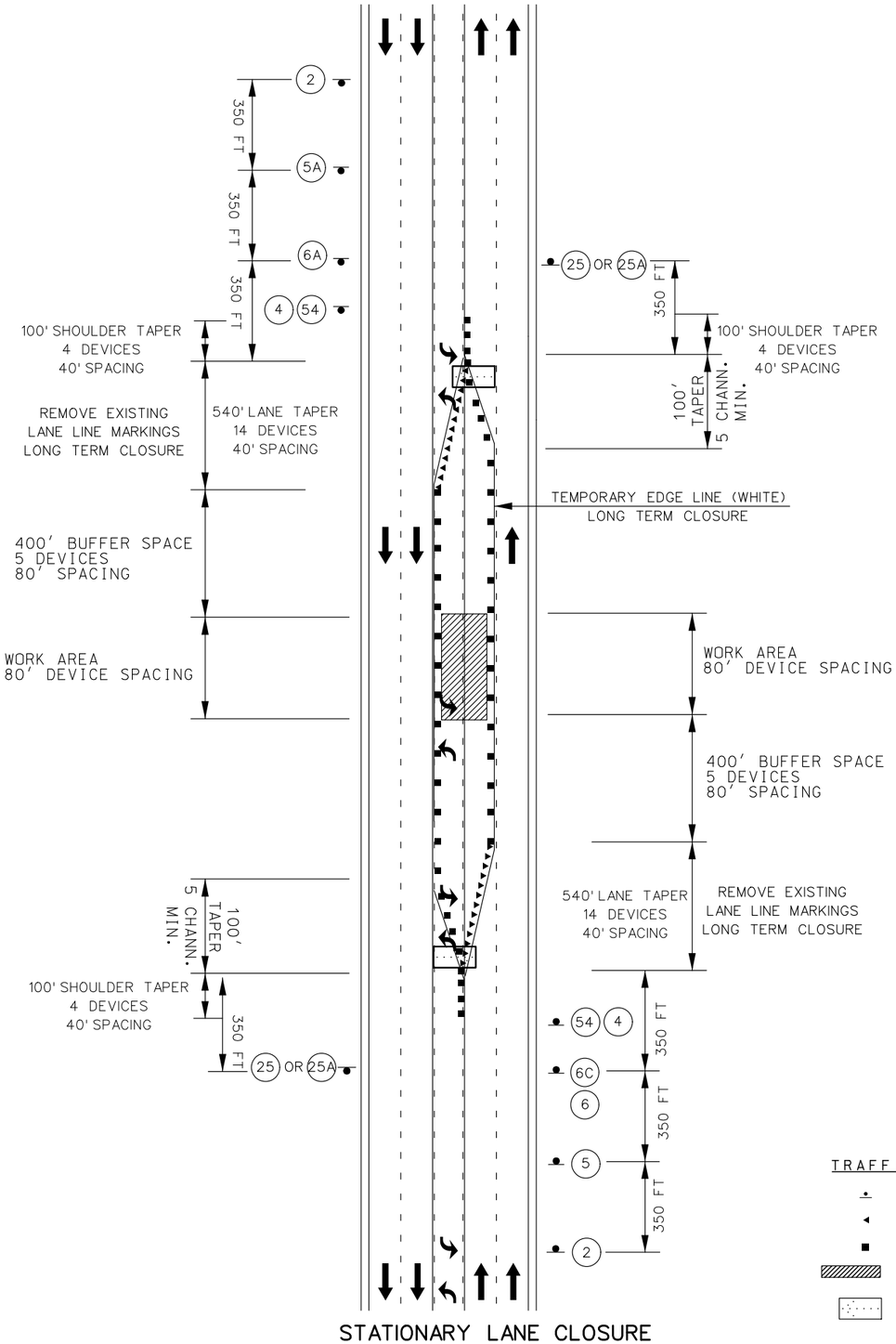
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

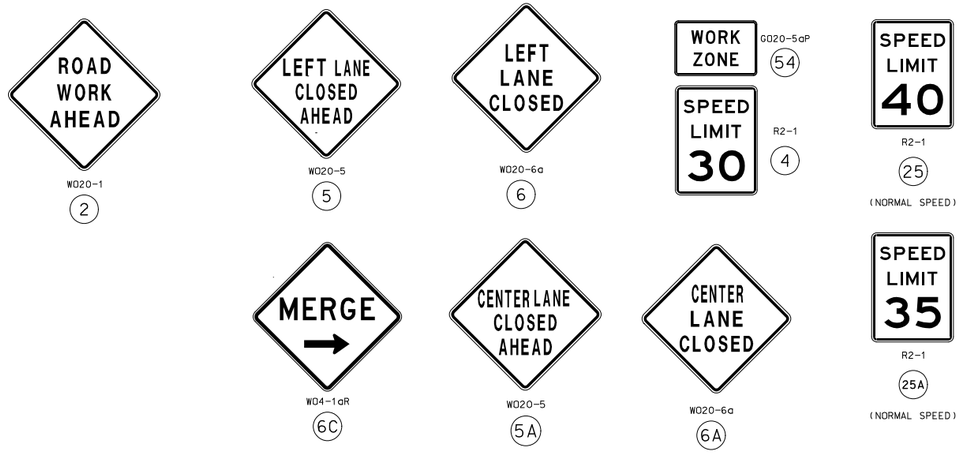
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL SHEET
SHEET 7



NOT TO SCALE

STATIONARY LANE CLOSURE
ON A MULTI-LANE HIGHWAY



NOTES:

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

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

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

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

TRAFFIC CONTROL LEGEND

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

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 7:40:18 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	53

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

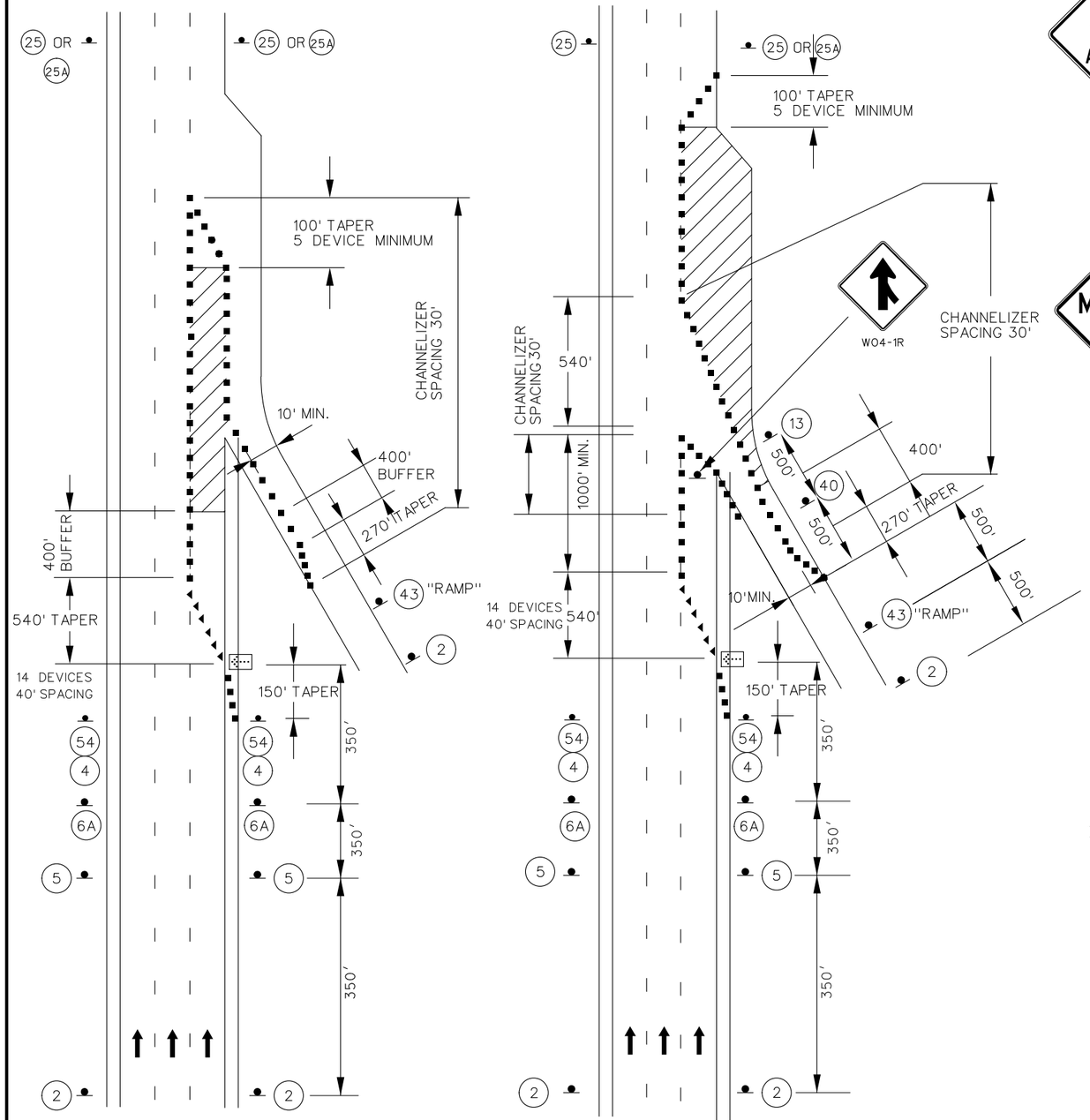
BRIDGE NO.

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 8



WORK IN THE VICINITY
OF AN ENTRANCE RAMP

NOT TO SCALE











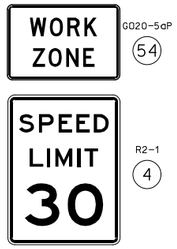












NOTES:

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

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED.

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

FOR RAMPS WITH SHARP CURVES OR MULTIPLE LANES, RAMP SIGNS MAY BE PLACED ON BOTH SIDES OF THE RAMP.

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

TRAFFIC CONTROL LEGEND

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

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 7:40:38 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	54

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

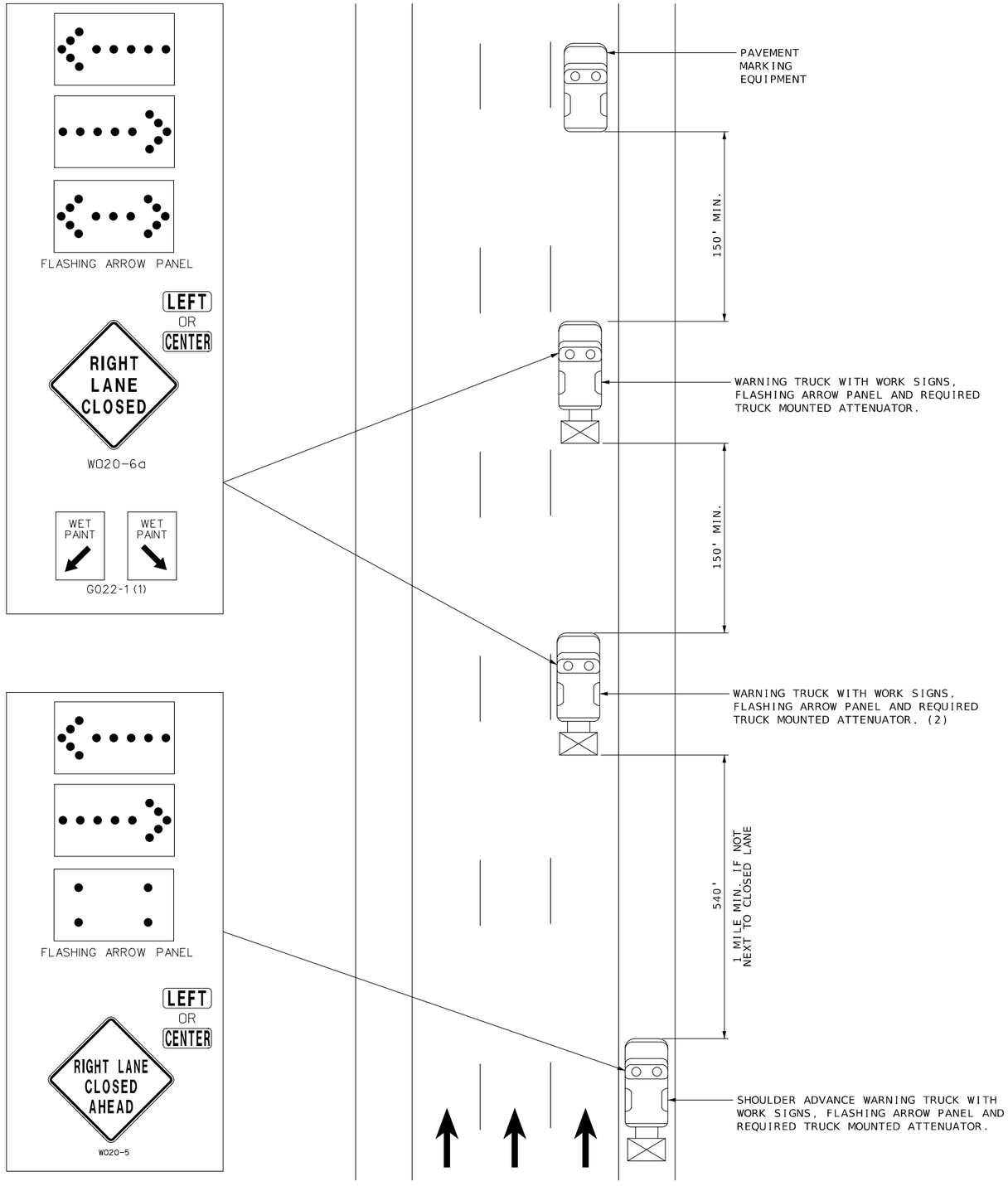
PROJECT NO.

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 9



STRIPING ON MULTI-LANE HIGHWAY

NOT TO SCALE

NOTES:

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

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

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

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

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

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

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

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

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

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 7:40:49 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	55

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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 10

COMMERCIAL

N.W. QUAD

R&REPLACE PED SIGNAL POLE,
PED HEAD 24, PED PUSH BUTTON 64,
ALL CONNECTED CABLE, AND PED SIGN

R10-3eR
⑥

COMMERCIAL

N.E. QUAD

NO PLANNED WORK.

TEMP. EASEMENT
PERM. EASEMENT
EXIST. R.W.
BUS STOP
EXIST. R.W.

15MPH
3.33%

CITYPLACE DR.
1720' NEXT SIGNAL
N NEW BALLAS RD

ZONE 42
ZONE 41
ZONE 71

145

EQUATION:
BK STA 140+93.41 =
AHEAD STA 140+95.45

140+93.40 BK
140+95.45 FWD

1390' NEXT SIGNAL
N NEW BALLAS RD

ZONE 11
ZONE 61
ZONE 62

35MPH
1.33%

℄ RTE 340
N74°25'50"E

ZONE 23
ZONE 22
ZONE 21
ZONE 54
ZONE 51

35MPH
2.00%

900' NEXT SIGNAL
CRAIG RD

EXIST. R.W.

BUS STOP
EXIST. R.W.

NOTE:
ALL ITEMS NOT CALLED OUT
ARE TO BE ASSUMED UIP

S.W. QUAD

NO PLANNED WORK.

1660' NEXT SIGNAL
OLDE CABIN RD

OLD BALLAS RD
30MPH
4.00%

ZONE 31
ZONE 81

S.E. QUAD

NO PLANNED WORK.

COMMERCIAL

COMMERCIAL

PAVING LEGEND
- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

SCALE
0 20 40 60

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 7:41:02 AM
STUART ROBINSON McNEIL · CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	56

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

SIGNAL SHEET
ROUTE 340 @ OLD BALLAS RD
SHEET 1 OF 2

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	TRENCHED 2″	TRENCHED 3″	PUSHED 3″
PB6	P6	14′			15′
SUBTOTAL					15′
PAY TOTAL					15′

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c–#2	POWER 1c–#8	CONTROL ⬡ 2c–#16	CONTROL ▽ 5c–#16	CONTROL 7c–#16	CONTROL 2c–#12	REMARKS
CTRL	PH24	162′				198′			
CTRL	PD64	162′			197′				
SUBTOTAL					197′	198′			
PAY TOTAL					210′	210′			INCLUDE 5% FOR SNAKING

DETECTOR SCHEDULE

APPROACH	DETECTOR NUMBER	DETECTOR ZONE	TYPE: AUDIBLE PEDESTRIAN PUSH BUTTON	TYPE: VIDEO DETECTION
EB RTE 340	11	EB LT TURN		EXIST.
EB RTE 340	61	EB THRU		EXIST.
EB RTE 340	62	EB THRU & RT TURN		EXIST.
WB RTE 340	51	WB LT TURN		EXIST.
WB RTE 340	21	WB THRU		EXIST.
WB RTE 340	22	WB THRU		EXIST.
WB RTE 340	23	WB THRU & RT TURN		EXIST.
SB OLD BALLAS	71	SB LT TURN		EXIST.
SB OLD BALLAS	41	SB THRU		EXIST.
SB OLD BALLAS	42	SB RT TURN		EXIST.
NB OLD BALLAS	31	NB LT TURN		EXIST.
NB OLD BALLAS	81	NB THRU & RT TURN		EXIST.
	D24	WB PED – NORTH SIDE CROSSING 340	EXIST.	
	D64	EB PED – NORTH SIDE CROSSING 340	1	
	D63	WB PED – SOUTH SIDE CROSSING 340	EXIST.	
	D25	WB PED – SOUTH SIDE CROSSING 340	EXIST.	
		TOTAL	1	✻✻

✻✻FOR INFORMATION ONLY

SIGNAL HEADS

POST NUMBER	FACE NUMBER	VISORS✻ 12″	VISORS✻ PED.	BRACKET✻ TYPE I	ONE-FACE 1- T	ONE-FACE 1- S	ONE-FACE 1- C	ONE-FACE 1- B	ONE-FACE 3- T	ONE-FACE 3- S	ONE-FACE 3- C	ONE-FACE 3- B
P6	24	1	1	1		1						
ALL OTHER SIGNAL HEADS USE IN PLACE												
COUNTDOWN PAY TOTAL						1						
CONVENTIONAL PAY TOTAL												

LEGEND

T – TOP MOUNT
S – SIDE MOUNT
C – SPANWIRE MOUNT
B – MAST ARM MOUNT
LOCATION

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-3eL		0.9		
1+	R10-3eR		0.9	(0.9)	(1)
		ALL OTHER SIGNS	USE IN PLACE		
			SUBTOTAL	0	0
			PAY TOTAL	0	0

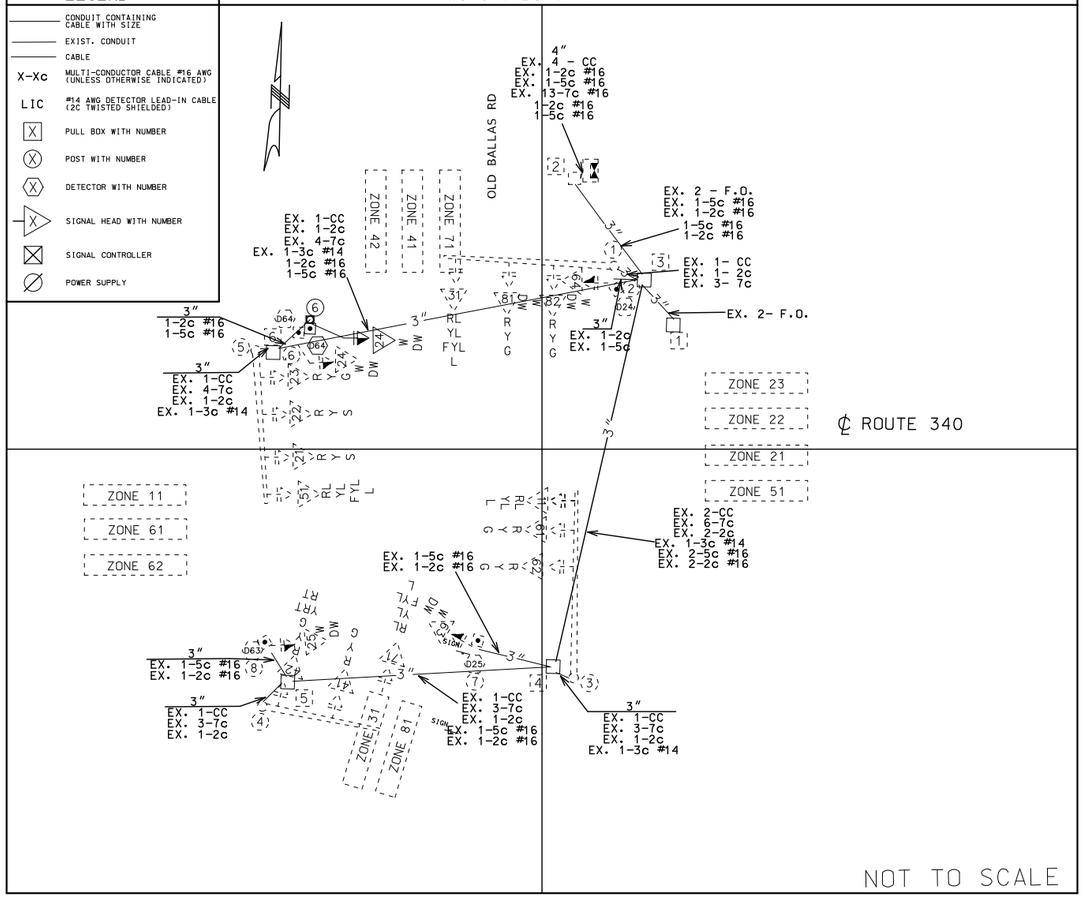
ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.
✻ ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
✻✻ SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.
+ FOR INFORMATION ONLY. PAID FOR AS INCIDENTAL TO AUDIBLE DETECTOR PUSH BUTTON.

DISCLAIMER
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LEGEND

- CONDUIT CONTAINING CABLE WITH SIZE
- EXIST. CONDUIT
- 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
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY

WIRING DIAGRAM



NOT TO SCALE

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 EBLT SBRT	Ø 2 WB	Ø 3 OLB NBLT	Ø 4 SB	Ø 5 OLC WBLT	Ø 6 EB	Ø 7 OLD SBLT	Ø 8 NB	NOT USED	Ø 3 NBLT	Ø 5 WBLT	Ø 7 SBLT	Ø 2 PED	NOT USED	Ø 6 PED	NOT USED

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

APPROACH	STATION	OFFSET	SYSTEM MASTER (CLOSED LOOP) NEMA	SYSTEM MASTER (CLOSED LOOP) 170	ACTUATED NEMA	ACTUATED 170	ON-OFF✻ SWITCH TYPE I	ON-OFF✻ SWITCH TYPE II	COORDINATION INTERFACE ✻ 12C/7C HARDWIRE (1) MASTER	12C/7C HARDWIRE (1) LOCAL	TIME BASE	CLOSED LOOP NEMA	CLOSED LOOP 170	FIBER	TIME ✻ CLOCK	NEMA CABINET TYPE ✻ E	NEMA CABINET TYPE ✻ EV	NEMA CABINET TYPE ✻ DOUBLE	170 CABINET TYPE ✻ 332	170 CABINET TYPE ✻ 336S	170 SOFTWARE ✻ BITRAN	170 SOFTWARE ✻ WAPITI
RTE 340	144+15	89′ LT			UIP									UIP			UIP					

POST NUMBER	PULL BOX NUMBER	LOCATION APPROACH	LOCATION STATION	LOCATION OFFSET	BASE TYPE C	BASE	BASE CONCRETE✻✻ (CU. YDS.)	PULL BOX PREFORMED CLASS 2	PREFORMED CLASS 3	PREFORMED CLASS 5	CONCRETE STANDARD	DRAIN TYPE✻ I	DRAIN TYPE✻ II A	II B	II C	POST TOP MOUNT 8 FT.	POST TOP MOUNT 15 FT.	POST STANCHION
6		ROUTE 340	142+30.9	50′ LT	1		0.44									1		
SUBTOTAL							0.44									1		
PAY TOTAL							0.44									1		

OLD BALLAS RD @ ROUTE 340
INTERSECTION

D-37 COMBINED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 7:41:13 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED 3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	57

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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)

SIGNAL SHEET
ROUTE 340 @ OLD BALLAS RD
SHEET 2 OF 2

COMMERCIAL

N.W. QUAD

INSTALL NEW CCTV CAMERA
ON POLE MOUNT ON POST 1
WITH NEW CABLE

BONHOMME LAKE DR
1.33%
NO SIGNAL

RESIDENTIAL

N.E. QUAD

INSTALL NEW SIGNAL HEAD
84 WITH NEW CABLE

EXIST. R.W.
BUS STOP

1445' NEXT SIGNAL
WARSON RD

℄ RTE 340

N71°55'54"E

ZONE 10
ZONE 62
ZONE 61
35MPH
0.00%

ZONE 41
ZONE 42
ZONE 21
ZONE 22
ZONE 50

LANDSCAPED FLOWERS
10' EASEMENT
PB 241 PGS 49-50

EXIST. R.W.

35MPH
0.00%

3980' NEXT SIGNAL
DIELMAN RD

BUS STOP

EXIST. R.W.

NEW PERM. R.W.

5835' NEXT SIGNAL
DIELMAN RD

OLD BONHOMME RD
30MPH
1.33%

ZONE 82
ZONE 81

PARKLAND

S.W. QUAD

REMOVE EXIST. SIGNAL CABINET
AND EQUIPMENT. INSTALL NEW
CABINET, CONTROLLER, AND
EQUIPMENT. RELOCATE
EX. ETHERNET SWITCH

INSTALL NEW POWER SUPPLY
W/ UPS AND REMOVE EX. POWER SUPPLY

RELOCATE EXISTING CABLES
TO NEW CONDUITS AND ABANDON
OLD CONDUITS

INSTALL NEW SIGNAL HEAD 44
WITH NEW CABLE

S.E. QUAD

NO PLANNED WORK.

COMMERCIAL

SCALE
0 20 40 60

PAVING LEGEND
- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

NOTE:
ALL ITEMS NOT CALLED OUT
ARE TO BE ASSUMED UIP

NOTE: GENERATOR SHALL BE USED TO
MAINTAIN SIGNAL FUNCTION DURING
TRANSFER AT NO DIRECT PAY.

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 7:52:21 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	58

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

SIGNAL SHEET
ROUTE 340 @ OLD BONHOMME RD
SHEET 1 OF 3

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	TRENCHED 2"	TRENCHED 3"	PUSHED 3"
SOURCE	PS	9.9'	18		
PS	CA	8.9'	17		
CA	PB1	6.3'		19	
SUBTOTAL			35	19	
PAY TOTAL			35	19	

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c-#2	POWER 1c-#8	CONTROL 2c-#16	CONTROL 5c-#16	CONTROL 7c-#16	CONTROL CAMERA	REMARKS
SOURCE	PS	9.9'	(159)						(INCLUDED IN COST OF PS)
PS	CA	8.9'		75					3-1c-#8
									2-3" CONDUITS
CA	H44	60'					93		
CA	H84	211.7'					257		
CA	CCTV	167.4'						(234)	
		[redacted]		75			350		
				80			370		INCLUDE 5% FOR SNAKING

SIGNAL HEADS

POST NUMBER	FACE NUMBER	12" LENS CONVENTIONAL INDICATIONS* R	RL	Y	YL	YR‡	FYL	FYR	G	S	L	Rt		VISORS* 12"	PED.	RETROREFLECTIVE BACKPLATE* LENSES 3	4	BRACKET* TYPE I	ONE-FACE 3- T	S	C	B	ONE-FACE 4- T	S	C	B
1	1	1		1					1					1			1	1								1
1	1		1		1		1				1			1		1		1	1							
1	1	1		1					1					1			1	1								1
1	1		1		1		1				1			1		1		1	1							
COUNTDOWN TOTAL														2				2								2
COUNTDOWN PAY TOTAL														2				2								2

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

DETECTOR SCHEDULE

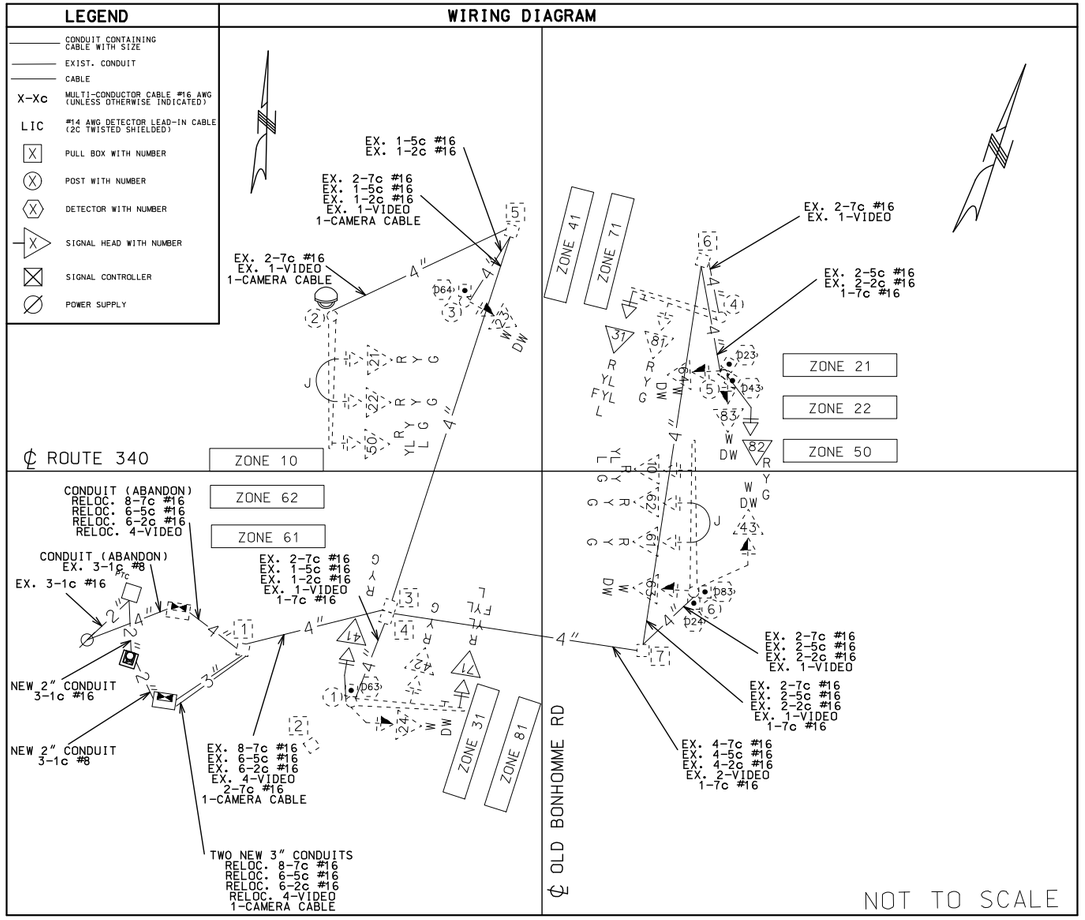
APPROACH	DETECTOR NUMBER	DETECTOR ZONE	TYPE AUDIBLE PEDESTRIAN PUSH BUTTON	TYPE OPTIONAL DETECTION
EB RTE 340	50	EB LT TURN		1
EB RTE 340	21	EB THRU		1
EB RTE 340	22	EB THRU		1
WB RTE 340	10	WB LT TURN		1
WB RTE 340	61	EB THRU		1
WB RTE 340	62	EB THRU		1
NB OLD BONHOMME RD	71	SB LT		1
NB OLD BONHOMME RD	41	SB THRU/RT		1
NB OLD BONHOMME RD	31	NB LT		1
NB OLD BONHOMME RD	81	NB THRU/RT		1
	D64	EB PED - NORTH SIDE CROSSING 340	EXIST.	
	D23	WB PED - NORTH SIDE CROSSING 340	EXIST.	
	D43	SB PED - EAST SIDE CROSSING 340	EXIST.	
	D83	NB PED - EAST SIDE CROSSING 340	EXIST.	
	D63	EB PED - SOUTH SIDE CROSSING 340	EXIST.	
	D24	WB PED - SOUTH SIDE CROSSING 340	EXIST.	
		TOTAL	**	**

**FOR INFORMATION ONLY

LEGEND

- CONDUIT CONTAINING CABLE WITH SIZE
- EXIST. CONDUIT
- 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
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY

WIRING DIAGRAM



POST NUMBER	PULL BOX NUMBER	LOCATION APPROACH	STATION	OFFSET	BASE TYPE		CONCRETE** (CU. YDS.)
		EB 340	43+42.42	47.29' RT	C	CONTROLLER (AS REQ'D)	1.93
						SUBTOTAL	1.93
						PAY TOTAL	1.93

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OLD BONHOMME RD @ RTE 340
INTERSECTION

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.

D-37 COMBINED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 7:52:40 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED 3/6/2026
ROUTE 340 | STATE MO
DISTRICT SL | SHEET NO. 59A
COUNTY ST. LOUIS
JOB NO. JSL0076B
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)

SIGNAL SHEET
ROUTE 340 @ OLD BONHOMME RD
SHEET 2 OF 3

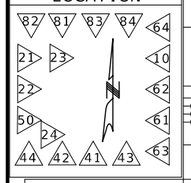
POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY	CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
				CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DUAL METER PAD MOUNTED COMBINATION SIGNAL/LIGHTING POWER SUPPLY/LIGHTING CONTROLLER W/UPS	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120/240 VOLT DUAL METER COMBO PS & LTG	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
						SIGNALS	LIGHTING				
EB 340	43+32.56	49.92'RT	1	15 Amps	15 Amps	100 Amps	100 Amps	1	15 Amps	CI. Ft.	
				15 Amps	Amps	Amps	Amps		Amps	CI. Ft.	

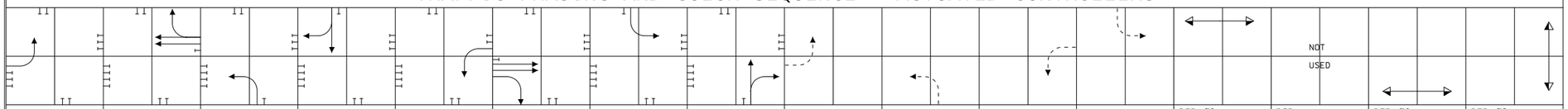
CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH TYPE		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
EB 340	43+40.83	53.32'RT			1									1			1					

SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS



	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	PED Ø2	PED	PED Ø6	PED Ø8	
FACE NUMBERS	10	21 22	31	41 42	50	61 62	71	81 84	11	11	11	11	23 64		24 63	43 83	FACE NUMBERS
SIGNAL INDICATIONS R	RL	R	RL	R	RL	R	RL	R	RL	RL	RL	RL	DW		DW	DW	R
SIGNAL INDICATIONS Y	YL	Y	YL	Y	YL	Y	YL	Y	YL	YL	YL	YL					Y
SIGNAL INDICATIONS FYA	FYL		FYL		FYL		FYL		FYL	FYL	FYL	FYL					FYA
SIGNAL INDICATIONS G	L	G	L	G	L	G	L	G	L	L	L	L	W		W	W	G
DETECTOR ASSIGNMENTS	10	21 22	31	41	50	61	71	81									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)													D23 D64		D24 D63	D43 D83	
OVERLAP PARENT PHASES									2	4	6	8					

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1	10	21	22	31	41	42		
	2	50	61	62	71	81			

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

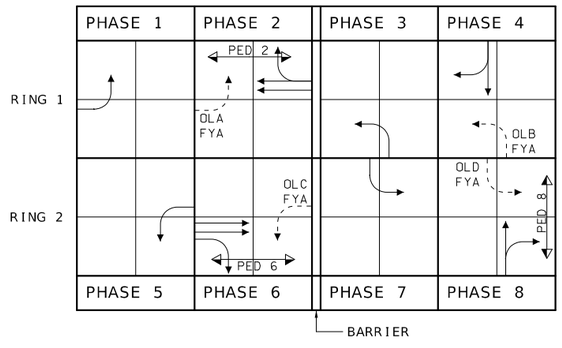
NEMA LOAD SWITCH ASSIGNMENTS

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

FLASHING OPERATION

ALL	FR
	FY

CONTROLLER TYPE	NEMA 8Ø



RING STRUCTURE

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
RTE 340

WITH OLD BONHOMME RD

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STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 7:52:53 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	59B

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

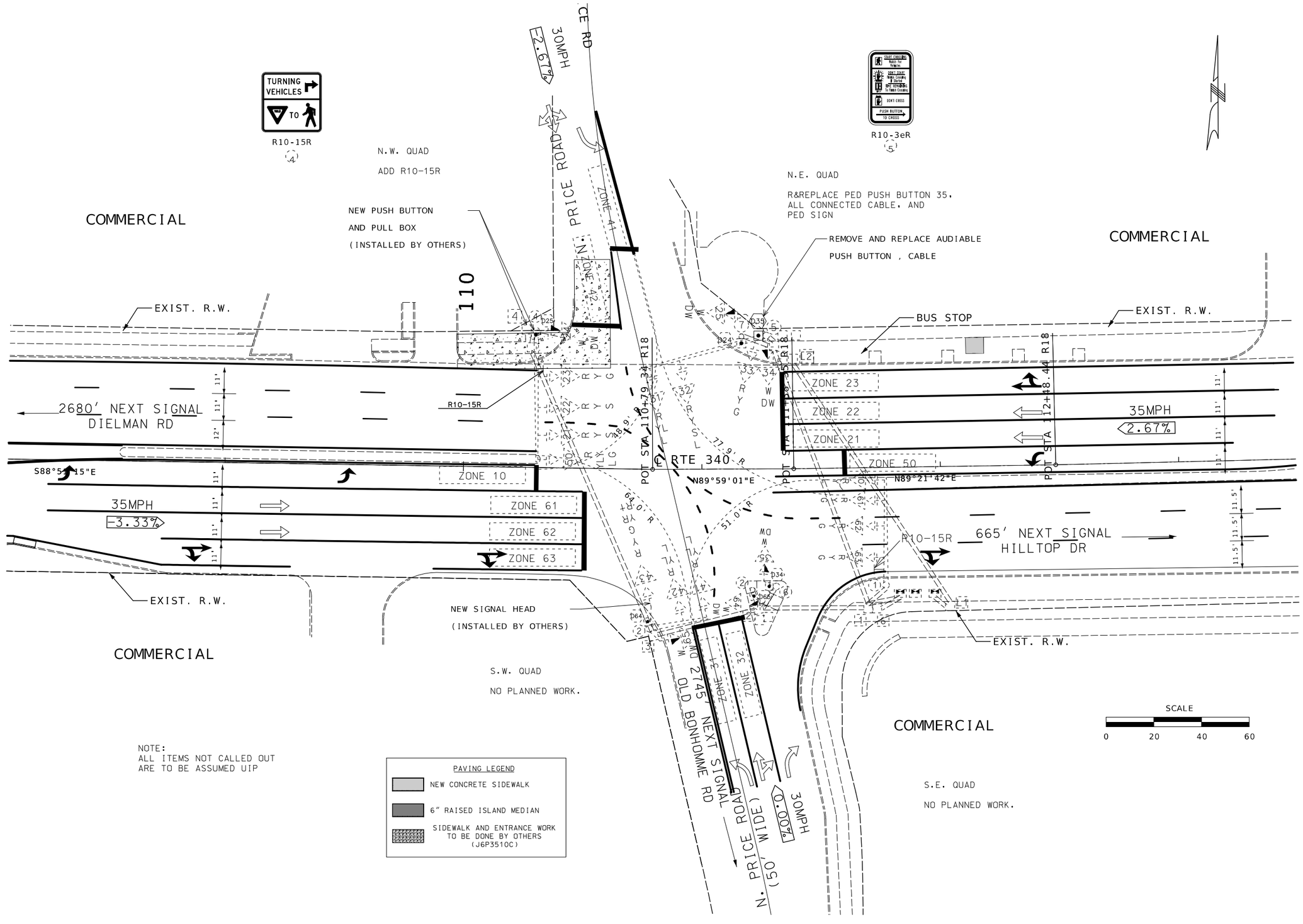
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGNAL SHEET
ROUTE 340 @ OLD BONHOMME RD
SHEET 3 OF 3



NOTE:
ALL ITEMS NOT CALLED OUT
ARE TO BE ASSUMED UIP

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

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

03/10/2026 7:53:02 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	60

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

SIGNAL SHEET
ROUTE 340 @ PRICE RD
SHEET 1 OF 2

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	TRENCHED 2″	TRENCHED 3″	PUSHED 3″
SOURCE	PS/LT/CTRL				
SUBTOTAL					
PAY TOTAL					

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c–#2	POWER 1c–#8	CONTROL 2c–#16	CONTROL 5c–#16	CONTROL 7c–#16	CONTROL 2c–#12	REMARKS
SOURCE ∅	PS/LT/CTRL								(INCLUDED IN COST OF PS) = X 3
CTRL	D35	136′			165′				
SUBTOTAL					165′				
PAY TOTAL					170′				INCLUDE 5% ~~FOR SNAKING~~

DETECTOR SCHEDULE

APPROACH	DETECTOR NUMBER	DETECTOR ZONE	TYPE: AUDIBLE PEDESTRIAN PUSH BUTTON	TYPE: OPTIONAL DETECTION
EB RTE 340	10	EB LT TURN		EXIST.
EB RTE 340	61	EB THRU		EXIST.
EB RTE 340	62	EB THRU		EXIST.
EB RTE 340	63	EB THRU & RT TURN		EXIST.
WB RTE 340	50	WB LT TURN		EXIST.
WB RTE 340	21	WB THRU		EXIST.
WB RTE 340	22	WB THRU		EXIST.
WB RTE 340	23	WB THRU & RT TURN		EXIST.
SB PRICE ROAD	41	SB LT TURN		EXIST.
SB PRICE ROAD	42	SB THRU		EXIST.
NB PRICE ROAD	31	NB LT TURN		EXIST.
NB PRICE ROAD	32	NB THRU & RT TURN		EXIST.
	D24	WB PED – NORTH SIDE CROSSING 340	EXIST.	
	D35	SB PED – WEST SIDE CROSSING 340	1	
	D25	EB PED – NORTH SIDE CROSSING 340	EXIST.	
	D64	EB PED – SOUTH SIDE CROSSING 340	EXIST.	
	D34	NB PED – EAST SIDE CROSSING 340	EXIST.	
	D65	WB PED – SOUTH SIDE CROSSING 340	EXIST.	
		TOTAL	1	**

**FOR INFORMATION ONLY

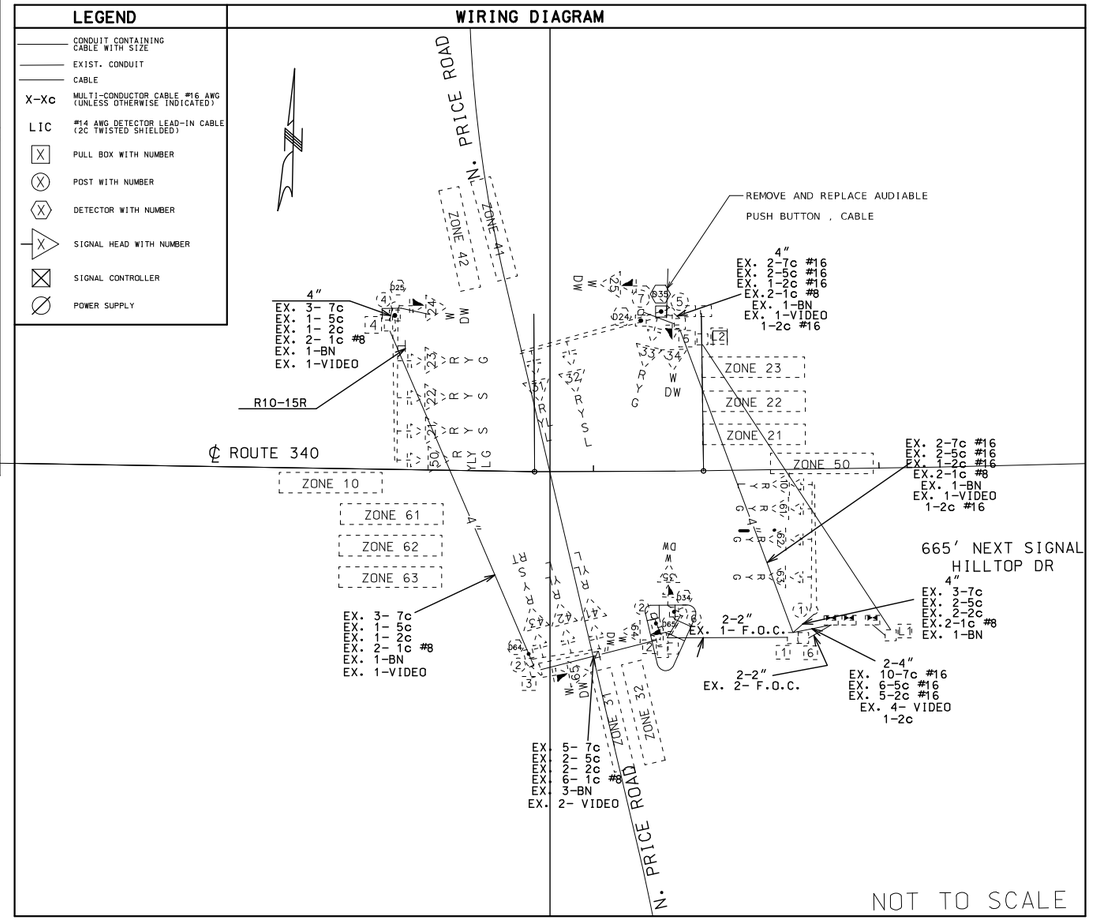
NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
∅ 1 EBL	∅ 2 WB	∅ 3 WBL	∅ 4 SB	∅ 5 WBL	∅ 6 EB	∅ 7 SBL	∅ 8 NB	∅ 2 PED	NOT USED	∅ 6 PED	∅ 8 PED

LEGEND

- CONDUIT CONTAINING CABLE WITH SIZE
- EXIST. CONDUIT
- 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
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY

WIRING DIAGRAM



SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
1	R10-15R	30 X 30	6.25	6.25	1
1+	R10-3eR		0.9	(0.9)	(1)
			ALL OTHER SIGNS USE IN PLACE		
			SUBTOTAL	6.25	1
			PAY TOTAL	6.25	1

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.
+ FOR INFORMATION ONLY. PAID FOR AS INCIDENTAL TO AUDIBLE DETECTOR PUSH BUTTON.

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION: APPROACH	LOCATION: STATION	LOCATION: OFFSET	SYSTEM MASTER (CLOSED LOOP): NEMA	SYSTEM MASTER (CLOSED LOOP): 170	ACTUATED: NEMA	ACTUATED: 170	ON-OFF* SWITCH TYPE: I	ON-OFF* SWITCH TYPE: II	COORDINATION INTERFACE *: 12C/7C HARDWIRE (1): MASTER	12C/7C HARDWIRE (1): LOCAL	TIME BASE	CLOSED LOOP: NEMA	CLOSED LOOP: 170	FIBER	TIME * CLOCK	NEMA CABINET TYPE *: E	NEMA CABINET TYPE *: EV	NEMA CABINET TYPE *: DOUBLE	170 CABINET TYPE *: 332	170 CABINET TYPE *: 336S	170 SOFTWARE *: BITRAN	170 SOFTWARE *: WAPITI
NB 340	110+79.34	57.3′			UIP									UIP			UIP					

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.

PRICE RD @ RTE 340
INTERSECTION

D-37 COMBINED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
Stuart McNeil
03/10/2026 7:53:11 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/6/2026
ROUTE: 340 | STATE: MO
DISTRICT: SL | SHEET NO.: 61
COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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)

SIGNAL SHEET
ROUTE 340 @ PRICE RD
SHEET 2 OF 2

COMMERCIAL

R10-3eL (2) (9)

R10-3eR (4)

20MPH
-2.00%
HILLTOP DR

RESIDENTIAL

N.W. QUAD

R&REPLACE PED PUSH BUTTON 47,
ALL CONNECTED CABLE,
AND PED SIGNS

N.E. QUAD

R&REPLACE PED SIGN

115

120

EXIST. R.W.

BUS STOP

EXIST. R.W.

NO SIGNAL

ZONE 42

ZONE 41

ZONE 23

ZONE 22

ZONE 21

ZONE 52

ZONE 51

35MPH
2.00%

665' NEXT SIGNAL
PRICE RD

℄ RTE 340

665' NEXT SIGNAL
I-170

J6I1081B

ZONE 10

ZONE 61

ZONE 62

ZONE 63

35MPH
-3.33%

EXIST. R.W.

EXIST. R.W.

VACANT

SCALE
0 20 40 60

D3-1

R10-15R

NO SIGNAL

ZONE 81

ZONE 82

TURNING VEHICLES TO

R10-15R (3)

-0.67%

COMMERCIAL

S.W. QUAD

R&REPLACE PED PUSH BUTTON 64,
ALL CONNECTED CABLE,
AND PED SIGNS

ADD R10-15R SIGN AND
RELOCATE D3-1 SIGN

S.E. QUAD

R&REPLACE PED PUSH BUTTON 65,
ALL CONNECTED CABLE,
AND PED SIGN

NOTE:
ALL ITEMS NOT CALLED OUT
ARE TO BE ASSUMED UIP

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

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

03/10/2026 7:53:37 AM
STUART ROBINSON McNEIL · CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	62

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

SIGNAL SHEET
ROUTE 340 @ HILLTOP DR
SHEET 1 OF 2

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	TRENCHED 2″	TRENCHED 3″	PUSHED 3″
SOURCE	PS/LT/CTRL				
	SUBTOTAL				
	PAY TOTAL				

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c-#2	POWER 1c-#8	CONTROL ⬡ 2c-#16	CONTROL ▽ 5c-#16	CONTROL 7c-#16	CONTROL 2c-#12	REMARKS
SOURCE ∅	PS/LT/CTRL								(INCLUDED IN COST OF PS) = X 3
CTRL	PD65	30′			53′				
CTRL	PD64	128′			157′				
CTRL	PD47	250′			285′				
					495′				
					520′				INCLUDE 5% FOR SNAKING

DETECTOR SCHEDULE

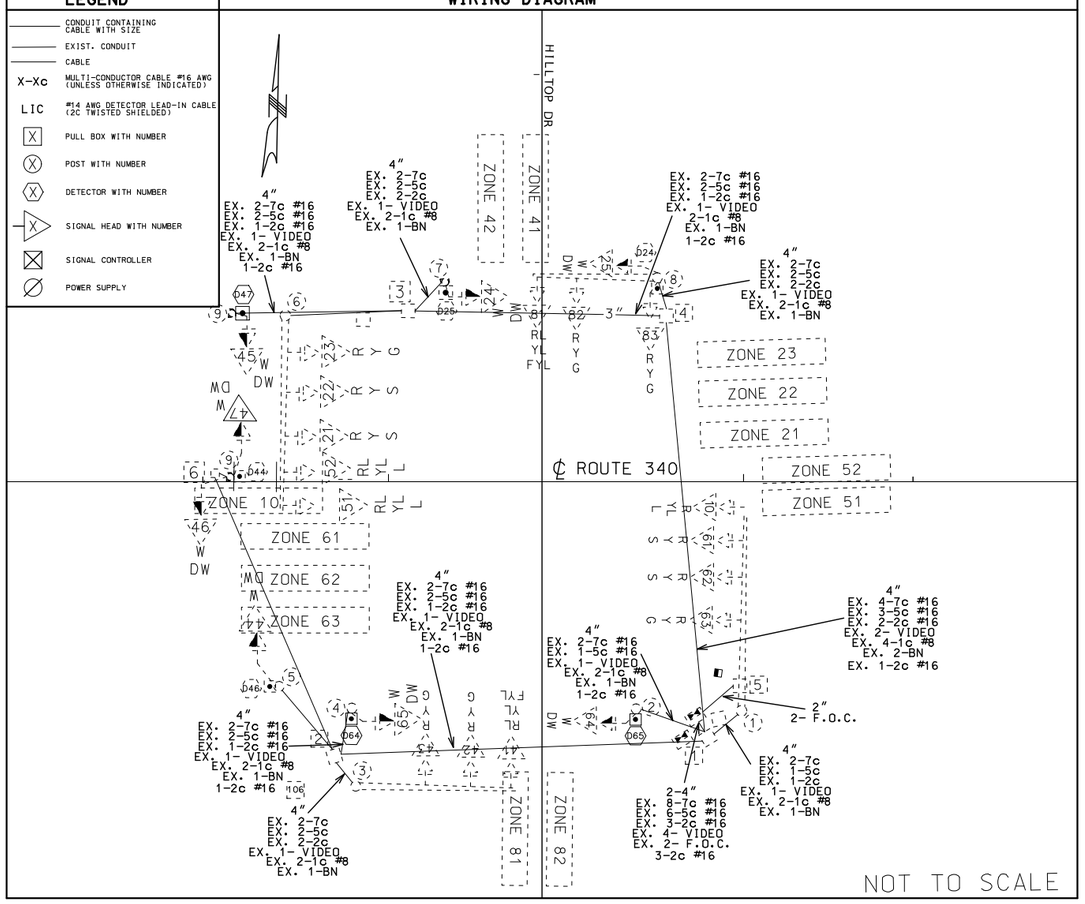
APPROACH	DETECTOR NUMBER	DETECTOR ZONE	TYPE: AUDIBLE PEDESTRIAN PUSH BUTTON	TYPE: OPTIONAL DETECTION
EB RTE 340	10	EB LT TURN		EXIST.
EB RTE 340	61	EB THRU		EXIST.
EB RTE 340	62	EB THRU		EXIST.
EB RTE 340	63	EB THRU & RT TURN		EXIST.
WB RTE 340	51	WB LT TURN		EXIST.
WB RTE 340	52	WB LT TURN		EXIST.
WB RTE 340	21	WB THRU		EXIST.
WB RTE 340	22	WB THRU		EXIST.
WB RTE 340	23	WB THRU & RT TURN		EXIST.
SB HILLTOP DR.	41	SB LT TURN		EXIST.
SB HILLTOP DR.	42	SB THRU		EXIST.
NB HILLTOP DR.	81	NB LT TURN		EXIST.
NB HILLTOP DR.	82	NB THRU & RT TURN		EXIST.
	D24	WB PED - NORTH SIDE CROSSING 340	EXIST.	
	D25	EB PED - NORTH SIDE CROSSING 340	EXIST.	
	D47	SB PED - WEST SIDE CROSSING 340	1	
	D44	NB/SB PED - WEST SIDE CROSSING 340	EXIST.	
	D64	EB PED - SOUTH SIDE CROSSING 340	1	
	D46	NB PED - WEST SIDE CROSSING 340	EXIST.	
	D65	WB PED - SOUTH SIDE CROSSING 340	1	
		TOTAL	3	✳✳

✳✳FOR INFORMATION ONLY

LEGEND

- CONDUIT CONTAINING CABLE WITH SIZE
- EXIST. CONDUIT
- 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
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY

WIRING DIAGRAM



SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
1	R10-15R	30 X 30	6.25	6.25	1
1	D3-1	VAR.	VAR.	R&RELOCATE	1
2+	R10-3eL		0.9	(0.9)	(1)
1+	R10-3eR		0.9	(0.9)	(1)
			ALL OTHER SIGNS		
			USE IN PLACE		
			SUBTOTAL	6.25	2
			PAY TOTAL	6.25	2

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
Ø 1 EBL	Ø 2 WB	NOT USED	Ø 4 SB	Ø 5 WBL	Ø 6 EB	NOT USED	Ø 8 NB	Ø 2 PED	NOT USED	Ø 6 PED	NOT USED

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.
+ FOR INFORMATION ONLY. PAID FOR AS INCIDENTAL TO AUDIBLE DETECTOR PUSH BUTTON.

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION: APPROACH	STATION	OFFSET	SYSTEM MASTER (CLOSED LOOP): NEMA	SYSTEM MASTER (CLOSED LOOP): 170	ACTUATED: NEMA	ACTUATED: 170	ON-OFF✳ SWITCH TYPE: I	ON-OFF✳ SWITCH TYPE: II	COORDINATION INTERFACE ✳: 12C/7C HARDWIRE (1) MASTER	12C/7C HARDWIRE (1) LOCAL	TIME BASE	CLOSED LOOP: NEMA	CLOSED LOOP: 170	FIBER	TIME ✳ CLOCK	NEMA CABINET TYPE ✳: E	NEMA CABINET TYPE ✳: EV	NEMA CABINET TYPE ✳: DOUBLE	170 CABINET TYPE ✳: 332	170 CABINET TYPE ✳: 336S	170 SOFTWARE ✳: BITRAN	170 SOFTWARE ✳: WAPITI
RTE 340	117+82	58.1′			UIP									UIP			UIP					

HILLTOP DR @ RTE 340
INTERSECTION

D-37 COMBINED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
Stuart McNeil
03/10/2026 7:53:47 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	63

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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)

SIGNAL SHEET
ROUTE 340 @ HILLTOP DR
SHEET 2 OF 2

COMMERCIAL

SB TO WB RAMP

R&REPLACE PED HEAD P1
AND ALL CONNECTED CABLE

SB TO EB RAMP

NO PLANNED WORK.

COLLINGWOOD DR

EXIST. R.W.

665' NEXT SIGNAL
HILLTOP DR

1015' NEXT SIGNAL
COMMERCIAL BLVD

℄ RTE 340

S89°18'32"E

40MPH
-1.33%

40MPH
0.00%

35MPH
-0.21%

35MPH
0.21%

40MPH
-3.00%

ZONE 10
ZONE 11
ZONE 13
ZONE 14
ZONE 60
ZONE 61
ZONE 71
ZONE 72
ZONE 31
ZONE 32

R10-3eL

R10-3eR

SCALE
0 20 40 60

RESIDENTIAL

PAVING LEGEND
- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

WB TO SB RAMP

NO PLANNED WORK.

NOTE:
ALL ITEMS NOT CALLED OUT
ARE TO BE ASSUMED UIP

PI	352+7
PC	344+8
PT	360+1
Δ	30°42
D	2°0'0
L	1,535
T	786.6
R	2,864

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 7:53:55 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	64

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

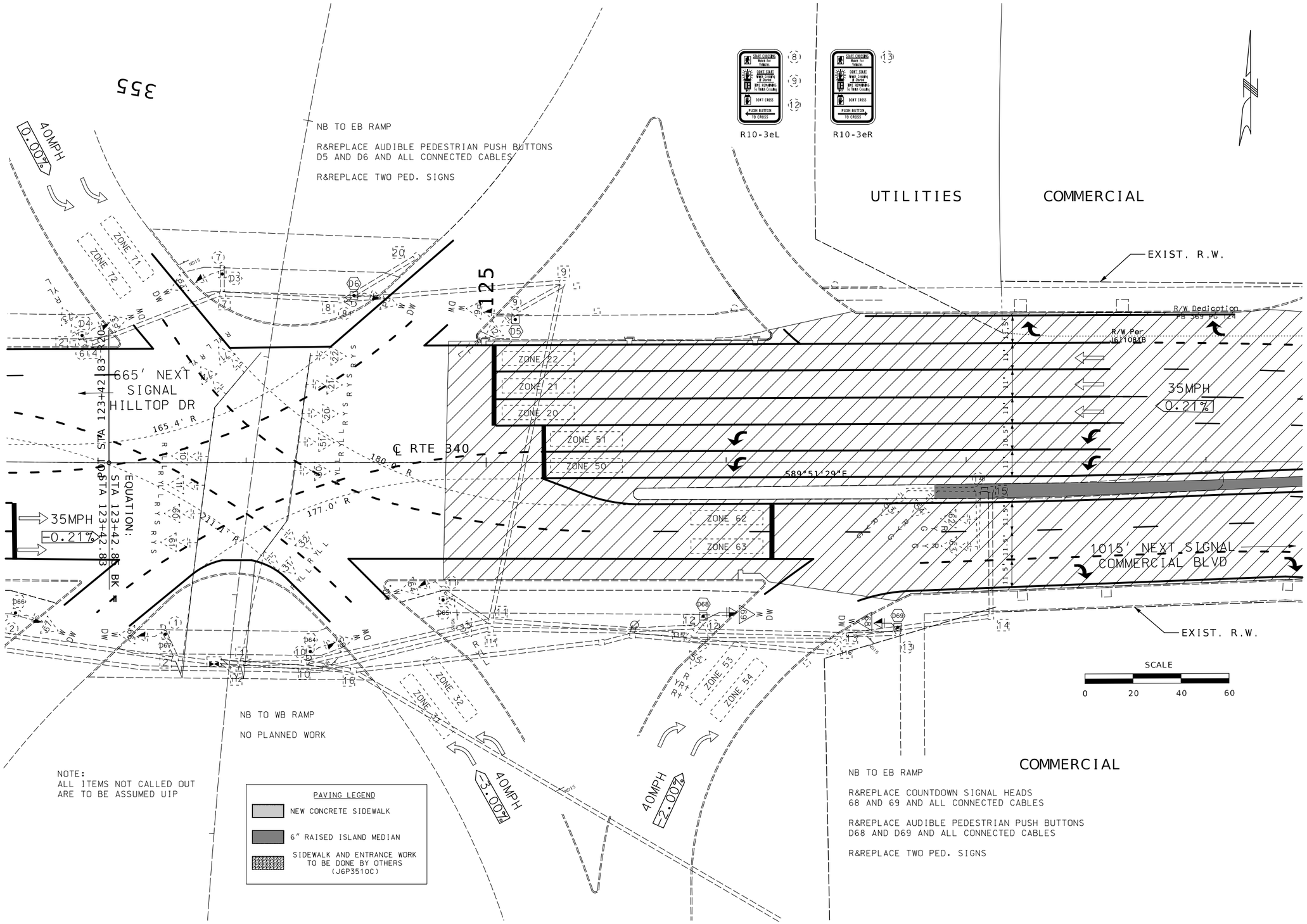
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGNAL SHEET
ROUTE 340 @ I-170
SHEET 1 OF 3



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

Stuart McNeil

03/10/2026 7:54:03 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	65

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

SIGNAL SHEET
ROUTE 340 @ I-170
SHEET 2 OF 3

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	TRENCHED 2"	TRENCHED 3"	PUSHED 3"
SUBTOTAL					
PAY TOTAL					

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c-#2	POWER 1c-#6	CONTROL ⬡ 2c-#16	CONTROL ▽ 5c-#16	CONTROL 7c-#16	CONTROL 2c-#12	REMARKS
CTRL	PHP1	429'				482'			
CTRL	PDP6	359'			406'				
CTRL	PDP5	285'			326'				
CTRL	PD68	207'			248'				
CTRL	PH69	207'				249'			
CTRL	PD69	287'			334'				
CTRL	PH68	287'				335'			
ALL OTHER CABLES AND CONDUITS USE IN PLACE									
SUBTOTAL					1314'	1066'			
PAY TOTAL					1380'	1120'			INCLUDE 5% FOR SNAKING

DETECTOR SCHEDULE

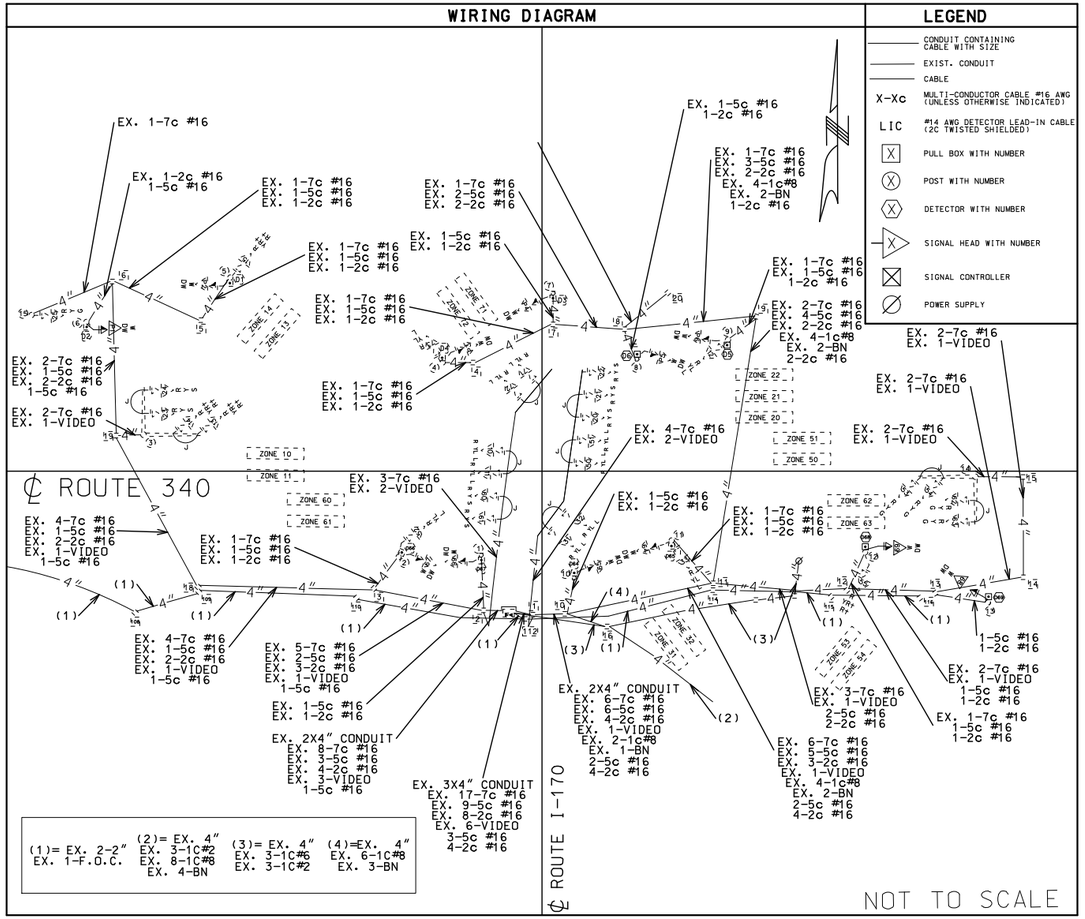
APPROACH	DETECTOR NUMBER	DETECTOR ZONE	TYPE: AUDIBLE PEDESTRIAN PUSH BUTTON	TYPE: OPTIONAL DETECTION
EB RTE 340	10	EB LT TURN		EXIST.
EB RTE 340	11	EB LT TURN		EXIST.
EB RTE 340	60	EB THRU		EXIST.
EB RTE 340	61	EB THRU		EXIST.
WB RTE 340	50	WB LT TURN		EXIST.
WB RTE 340	51	WB LT TURN		EXIST.
WB RTE 340	20	WB THRU		EXIST.
WB RTE 340	21	WB THRU		EXIST.
WB RTE 340	22	WB THRU		EXIST.
SB COMMERCIAL DR	13	SB RT TURN		EXIST.
SB COMMERCIAL DR	14	SB RT TURN		EXIST.
SB COMMERCIAL DR	71	SB LT TURN		EXIST.
SB COMMERCIAL DR	72	SB LT TURN		EXIST.
NB COMMERCIAL DR	31	NB LT TURN		EXIST.
NB COMMERCIAL DR	32	NB LT TURN		EXIST.
NB COMMERCIAL DR	53	NB RT TURN		EXIST.
NB COMMERCIAL DR	54	NB RT TURN		EXIST.
	D2	EB PED -SB TO EB RAMP CROSSING 340	EXIST.	
	D1	WB PED -SB TO EB RAMP CROSSING 340	EXIST.	
	D4	EB PED -SB TO WB RAMP CROSSING 340	EXIST.	
	D3	WB PED -SB TO WB RAMP CROSSING 340	EXIST.	
	D6	EB PED -WB TO NB RAMP CROSSING 340	1	
	D5	WB PED -WB TO NB RAMP CROSSING 340	1	
	D67	EB PED -WB TO SB RAMP CROSSING 340	EXIST.	
	D66	WB PED -WB TO SB RAMP CROSSING 340	EXIST.	
	D65	EB PED -NB TO WB RAMP CROSSING 340	EXIST.	
	D64	WB PED -NB TO WB RAMP CROSSING 340	EXIST.	
	D69	EB PED -NB TO EB RAMP CROSSING 340	1	
	D68	WB PED -NB TO EB RAMP CROSSING 340	1	
		PAY TOTAL	4	**

**FOR INFORMATION ONLY

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 EBL SBR	Ø 2 WB	Ø 3 NBL	OLA WB	Ø 5 WBL NBR	Ø 6 EB	Ø 7 SBL	OLB EB	NOT USED	NOT USED	PED OL1 Ø1+Ø2	PED OL2 Ø5+Ø6	PHASE 2 PED	PED OL3 Ø2+Ø3	PHASE 6 PED	PED OL4 Ø6+Ø7

WIRING DIAGRAM



LEGEND

- CONDUIT CONTAINING CABLE WITH SIZE
- EXIST. CONDUIT
- 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
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
3+	R10-3eL		0.9	(2.7)	(3)
1+	R10-3eR		0.9	(0.9)	(1)
			ALL OTHER SIGNS USE IN PLACE		
			SUBTOTAL	0	0
			PAY TOTAL	0	0

SIGNAL HEADS

POST NUMBER	FACE NUMBER	VISORS* 12"	VISORS* PED.	BRACKET* TYPE I	ONE-FACE 1- T	S	C	B
12	69	1	1	1		1		
13	68	1	1	1		1		
6	P1	1	1	1		1		
				ALL OTHER SIGNAL HEADS USE IN PLACE				
COUNTDOWN PAY TOTAL						3		
CONVENTIONAL PAY TOTAL								

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

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.
+ FOR INFORMATION ONLY. PAID FOR AS INCIDENTAL TO AUDIBLE DETECTOR PUSH BUTTON.

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION: APPROACH	STATION	OFFSET	SYSTEM MASTER (CLOSED LOOP): NEMA	SYSTEM MASTER (CLOSED LOOP): 170	ACTUATED: NEMA	ACTUATED: 170	ON-OFF* SWITCH TYPE: I	ON-OFF* SWITCH TYPE: II	COORDINATION INTERFACE *: 12C/7C HARDWIRE (1): MASTER	12C/7C HARDWIRE (1): LOCAL	TIME BASE	CLOSED LOOP: NEMA	CLOSED LOOP: 170	FIBER	TIME * CLOCK	NEMA CABINET TYPE *: E	NEMA CABINET TYPE *: EV	NEMA CABINET TYPE *: DOUBLE	170 CABINET TYPE *: 332	170 CABINET TYPE *: 336S	170 SOFTWARE *: BITRAN	170 SOFTWARE *: WAPITI
RTE 340	134+83.52	52.6' LT			UIP									UIP			UIP					

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I-170 EAST INTERCHANGE @ RTE 340
INTERSECTION

D-37 COMBINED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 7:54:20 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED 3/6/2026

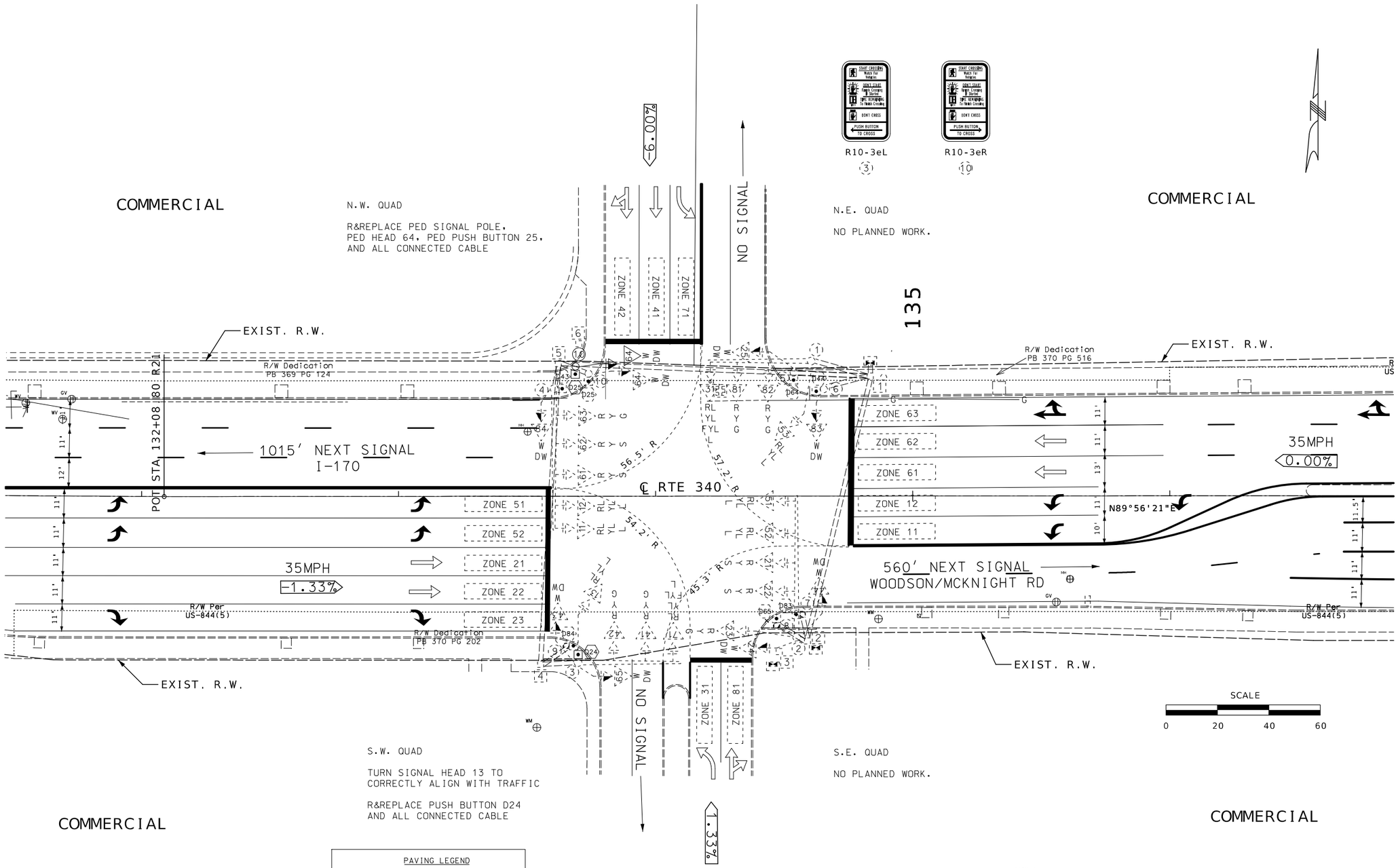
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	66

COUNTY ST. LOUIS
JOB NO. JSL0076B
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)

SIGNAL SHEET
ROUTE 340 @ I-170
SHEET 3 OF 3



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

03/10/2026 8:05:48 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	67

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

SIGNAL SHEET
ROUTE 340 @ COMMERCIAL DR
SHEET 1 OF 2

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	TRENCHED 2"	TRENCHED 3"	PUSHED 3"
SUBTOTAL					
PAY TOTAL					

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c-#2	POWER 1c-#8	CONTROL 2c-#16	CONTROL 5c-#16	CONTROL 7c-#16	CONTROL 2c-#12	REMARKS
CTRL	PD25	134′			163′				
CTRL	PH64	134′				164′			
CTRL	PD24	259′			294′				
ALL OTHER CABLES AND CONDUITS USE IN PLACE									
SUBTOTAL					457′	164′			
PAY TOTAL					480′	180′			INCLUDE 5% FOR SNAKING

LOCATION / BASE / PULL BOX / POST

POST NUMBER	PULL BOX NUMBER	APPROACH	STATION	OFFSET	BASE TYPE C	BASE	CONCRETE** (CU. YDS.)	PULL BOX PREFORMED CLASS 2	PULL BOX PREFORMED CLASS 3	PULL BOX PREFORMED CLASS 5	PULL BOX CONCRETE STANDARD	DRAIN TYPE* I	DRAIN TYPE* II A	DRAIN TYPE* II B	DRAIN TYPE* II C	POST TOP MOUNT 8 FT.	POST TOP MOUNT 15 FT.	POST STANCHION
10		ROUTE 340	133+68.82	50.5′ LT	1		0.44									1		
						SUBTOTAL	0.44									1		
						PAY TOTAL	0.44									1		

DETECTOR SCHEDULE

APPROACH	DETECTOR NUMBER	DETECTOR ZONE	TYPE: AUDIBLE PEDESTRIAN PUSH BUTTON	TYPE: OPTIONAL DETECTION
EB RTE 340	51	EB LT TURN		EXIST.
EB RTE 340	21	EB LT TURN		EXIST.
EB RTE 340	22	EB THRU		EXIST.
EB RTE 340	23	EB THRU		EXIST.
EB RTE 340	24	EB THRU & RT TURN		EXIST.
WB RTE 340	11	WB LT TURN		EXIST.
WB RTE 340	61	WB LT TURN		EXIST.
WB RTE 340	62	EB THRU		EXIST.
WB RTE 340	63	EB THRU		EXIST.
WB RTE 340	64	WB THRU & RT TURN		EXIST.
SB COMMERCIAL DR	71	SB LT		EXIST.
SB COMMERCIAL DR	41	SB THRU/RT		EXIST.
SB COMMERCIAL DR	42	SB THRU/RT		EXIST.
NB COMMERCIAL DR	31	NB LT		EXIST.
NB COMMERCIAL DR	81	NB THRU/RT		EXIST.
	D43	SB PED - WEST SIDE CROSSING 340	EXIST.	
	D25	EB PED - NORTH SIDE CROSSING 340	1	
	D64	WB PED - NORTH SIDE CROSSING 340	EXIST.	
	D44	SB PED - EAST SIDE CROSSING 340	EXIST.	
	D83	NB PED - EAST SIDE CROSSING 340	EXIST.	
	D24	EB PED - SOUTH SIDE CROSSING 340	1	
	D65	WB PED - SOUTH SIDE CROSSING 340	EXIST.	
	D84	NB PED - WEST SIDE CROSSING 340	EXIST.	
		TOTAL	2	**

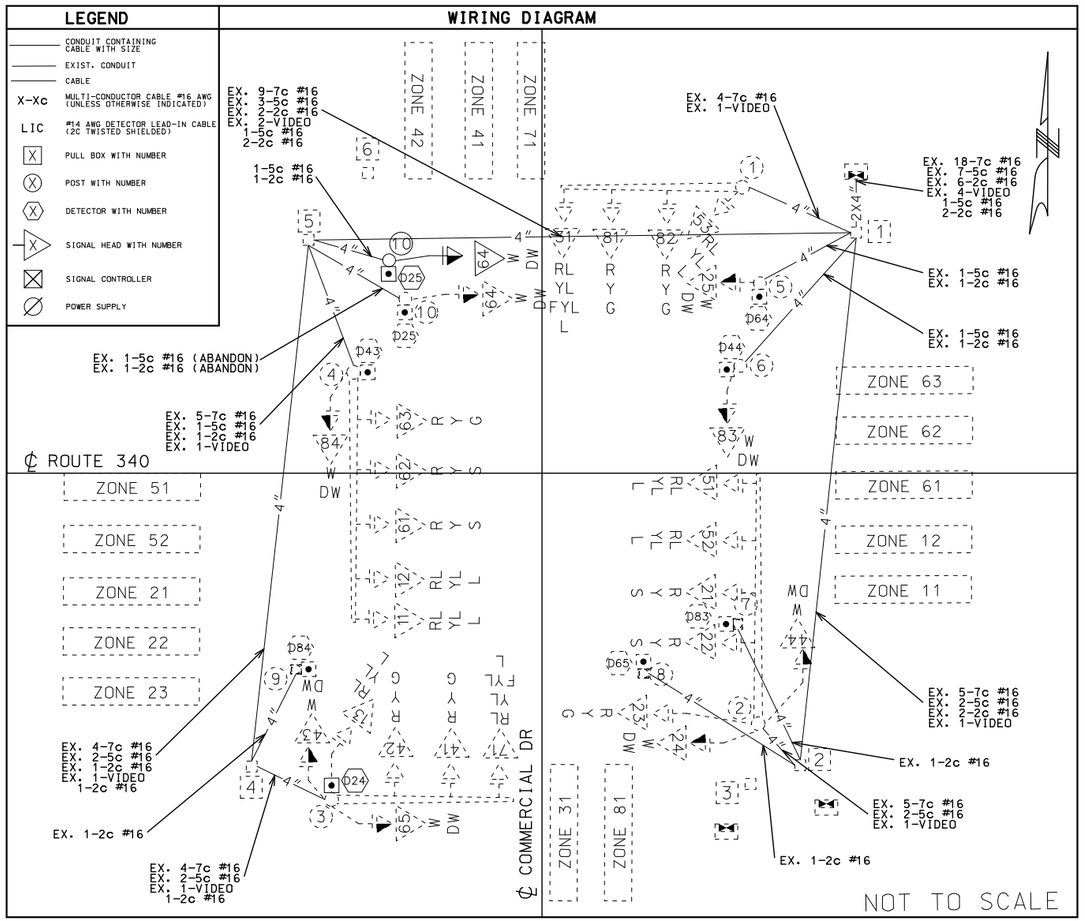
**FOR INFORMATION ONLY

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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.
+ FOR INFORMATION ONLY. PAID FOR AS INCIDENTAL TO AUDIBLE DETECTOR PUSH BUTTON.

LEGEND

- CONDUIT CONTAINING CABLE WITH SIZE
- EXIST. CONDUIT
- 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
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY

WIRING DIAGRAM



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

SIGNAL HEADS

POST NUMBER	FACE NUMBER	VISORS* 12"	VISORS* PED.	BRACKET* TYPE I	ONE-FACE 1- T	ONE-FACE 1- S	ONE-FACE 1- C	ONE-FACE 1- B	ONE-FACE 3- T	ONE-FACE 3- S	ONE-FACE 3- C	ONE-FACE 3- B
P10	64		1	1		1						
P3	13	RELOC		RELOC						RELOC		
				ALL OTHER SIGNAL HEADS USE IN PLACE								
COUNTDOWN PAY TOTAL						1						
CONVENTIONAL PAY TOTAL										*		

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
1+	R10-3eL		0.9	(0.9)	(1)
1+	R10-3eR		0.9	(0.9)	(1)
				ALL OTHER SIGNS	
				USE IN PLACE	
			SUBTOTAL	0	0
			PAY TOTAL	0	0

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
Ø 1	Ø 2	Ø 3	Ø 4	Ø 5	Ø 6	Ø 7	Ø 8	Ø 2	Ø 4	Ø 6	Ø 8
WBL	EBT	OLA	SBT	EBL	WBT	SBL	NB	PED	PED	PED	PED

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION APPROACH	LOCATION STATION	LOCATION OFFSET	SYSTEM MASTER (CLOSED LOOP) NEMA	SYSTEM MASTER (CLOSED LOOP) 170	ACTUATED NEMA	ACTUATED 170	ON-OFF* SWITCH TYPE I	ON-OFF* SWITCH TYPE II	COORDINATION INTERFACE * 12C/7C HARDWIRE (1) MASTER	12C/7C HARDWIRE (1) LOCAL	TIME BASE	CLOSED LOOP NEMA	CLOSED LOOP 170	FIBER	TIME * CLOCK	NEMA CABINET TYPE * E	NEMA CABINET TYPE * EV	NEMA CABINET TYPE * DOUBLE	170 CABINET TYPE * 332	170 CABINET TYPE * 336S	170 SOFTWARE * BITRAN	170 SOFTWARE * WAPITI
RTE 340	134+83.52	52.6′ LT			UIP									UIP			UIP					

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COMMERCIAL DRIVE @ RTE 340
INTERSECTION

D-37 COMBINED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:05:58 AM
STUART ROBINSON MCNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED 3/6/2026
ROUTE 340 | STATE MO
DISTRICT SL | SHEET NO. 68
COUNTY ST. LOUIS
JOB NO. JSL0076B
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)

SIGNAL SHEET
ROUTE 340 @ COMMERCIAL DR
SHEET 2 OF 2

COMMERCIAL

R10-3eL

R10-3eR

N.W. QUAD

R&REPLACE AUDIBLE PUSH BUTTONS D25
AND D43 AND ALL CONNECTED CABLES

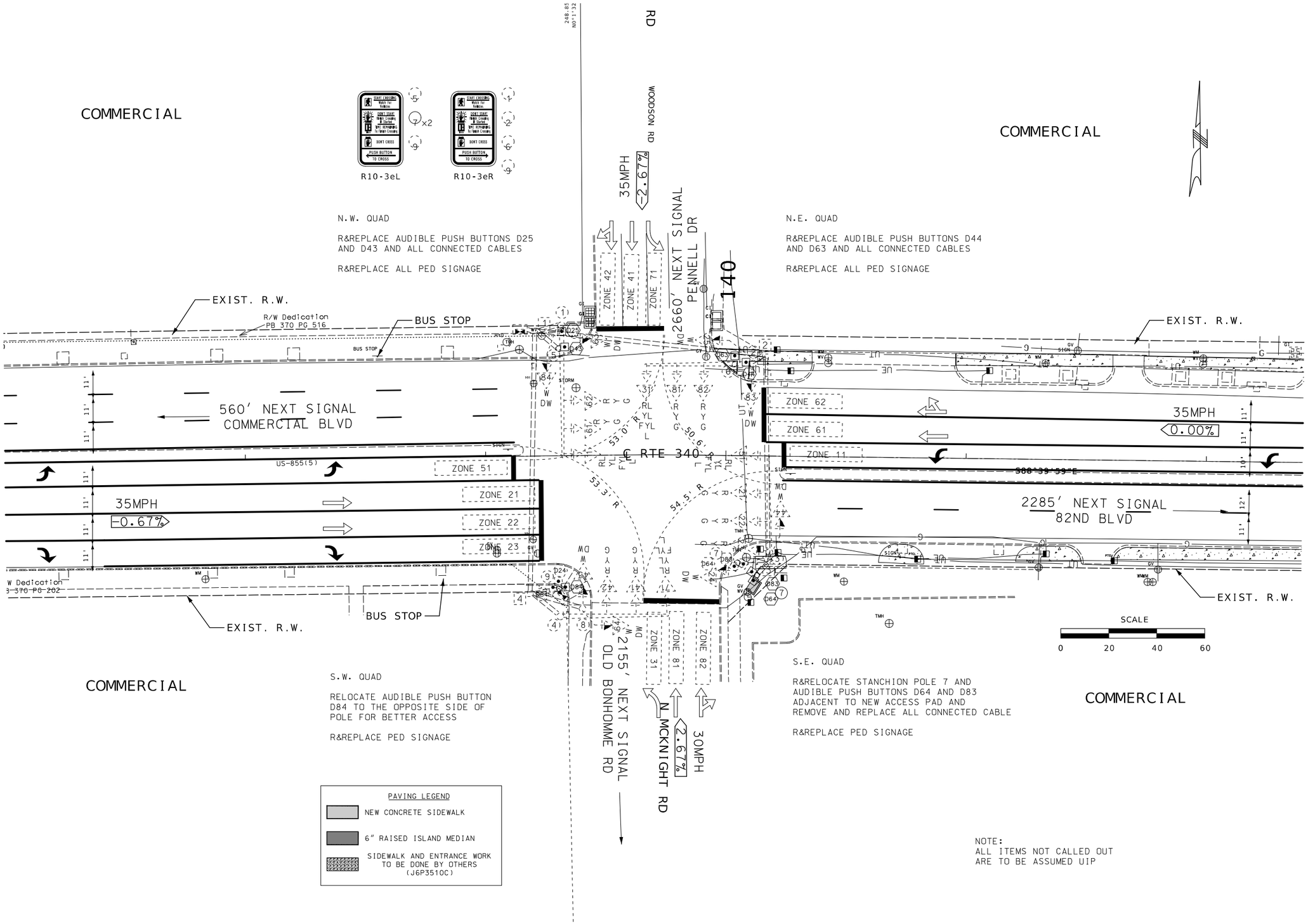
R&REPLACE ALL PED SIGNAGE

COMMERCIAL

N.E. QUAD

R&REPLACE AUDIBLE PUSH BUTTONS D44
AND D63 AND ALL CONNECTED CABLES

R&REPLACE ALL PED SIGNAGE



COMMERCIAL

S.W. QUAD

RELOCATE AUDIBLE PUSH BUTTON
D84 TO THE OPPOSITE SIDE OF
POLE FOR BETTER ACCESS

R&REPLACE PED SIGNAGE

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

S.E. QUAD

R&RELOCATE STANCHION POLE 7 AND
AUDIBLE PUSH BUTTONS D64 AND D83
ADJACENT TO NEW ACCESS PAD AND
REMOVE AND REPLACE ALL CONNECTED CABLE

R&REPLACE PED SIGNAGE

COMMERCIAL

NOTE:
ALL ITEMS NOT CALLED OUT
ARE TO BE ASSUMED UIP

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:06:08 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	69

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

SIGNAL SHEET
ROUTE 340 @ WOODSON/MCKNIGHT
SHEET 1 OF 2

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	TRENCHED 2″	TRENCHED 3″	PUSHED 3″
PB3	P7	8′			9′
					ALL OTHER CABLES AND
					CONDUITS USE IN PLACE
SUBTOTAL					9′
PAY TOTAL					9′

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c–#2	POWER 1c–#8	CONTROL 2c–#16 ⬡	CONTROL 5c–#16 ▽	CONTROL 7c–#16	CONTROL 2c–#12	REMARKS
CTRL	PD43	18′			41′				
CTRL	PD25	18′			41′				
CTRL	PD63	116′			147′				
CTRL	PD44	109′			140′				
CTRL	PD64	196′			231′				
CTRL	PD83	196′			231′				
					831′				
					870′				INCLUDE 5% FOR SNAKING

LOCATION / BASE / PULL BOX / POST

POST NUMBER	PULL BOX NUMBER	APPROACH	STATION	OFFSET	BASE TYPE C	CONCRETE** (CU. YDS.)	PULL BOX PREFORMED CLASS 2	PREFORMED CLASS 3	PREFORMED CLASS 5	CONCRETE STANDARD	DRAIN TYPE* I	DRAIN TYPE* II A	II B	II C	POST TOP MOUNT 8 FT.	POST TOP MOUNT 15 FT.	STANCHION
7		ROUTE 340	140+13.46	50.4′ RT	1	0.44											1
					SUBTOTAL	0.44											
					PAY TOTAL	0.44											1

DETECTOR SCHEDULE

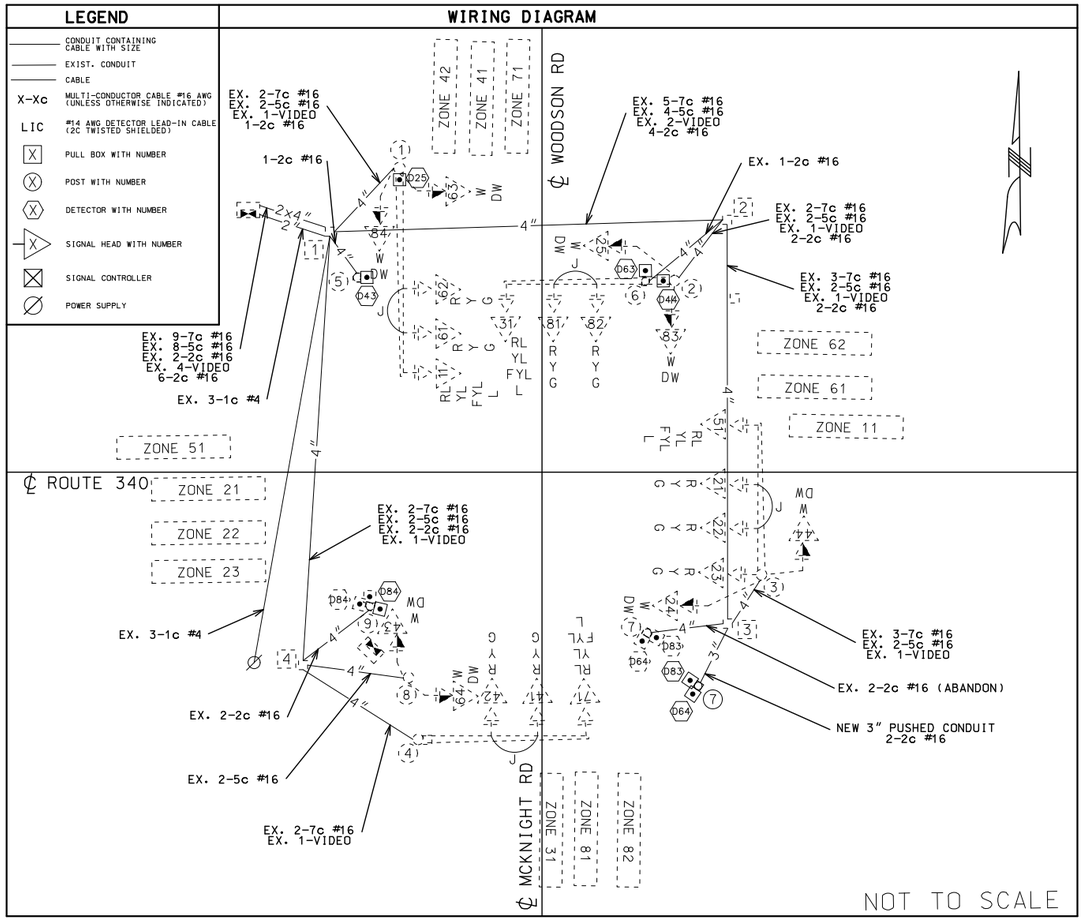
APPROACH	DETECTOR NUMBER	DETECTOR ZONE	TYPE: AUDIBLE PEDESTRIAN PUSH BUTTON	TYPE: VIDEO DETECTION
EB RTE 340	51	EB LT TURN		EXIST.
EB RTE 340	21	EB THRU		EXIST.
EB RTE 340	22	EB THRU		EXIST.
EB RTE 340	23	EB THRU & RT TURN		EXIST.
WB RTE 340	11	WB LT TURN		EXIST.
WB RTE 340	61	WB THRU		EXIST.
WB RTE 340	62	WB THRU & RT TURN		EXIST.
SB WOODSON	71	SB LT TURN		EXIST.
SB WOODSON	41	SB THRU		EXIST.
SB WOODSON	42	SB RT TURN		EXIST.
NB MCKNIGHT	31	NB LT TURN		EXIST.
NB MCKNIGHT	81	NB THRU		EXIST.
NB MCKNIGHT	82	NB RT TURN		EXIST.
	D43	SB PED – WEST SIDE CROSSING 340	1	
	D25	EB PED – NORTH SIDE CROSSING 340	1	
	D63	WB PED – NORTH SIDE CROSSING 340	1	
	D44	SB PED – EAST SIDE CROSSING 340	1	
	D83	NB PED – EAST SIDE CROSSING 340	1	
	D24	EB PED – SOUTH SIDE CROSSING 340	EXIST.	
	D64	WB PED – SOUTH SIDE CROSSING 340	1	
	D84	NB PED – WEST SIDE CROSSING 340	RELOC.	
		TOTAL	6	**

**FOR INFORMATION ONLY

LEGEND

- CONDUIT CONTAINING CABLE WITH SIZE
- EXIST. CONDUIT
- 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
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY

WIRING DIAGRAM



NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
Ø 1 WBL	Ø 2 EBT	Ø 3 NBL	Ø 4 SBT	Ø 5 EBL	Ø 6 WBT	Ø 7 SBL	Ø 8 NBT	Ø 2 PED	Ø 4 PED	Ø 6 PED	Ø 8 PED

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
1	R10-3eL		0.9	0.9	1
1	R10-3eR		0.9	0.9	1
3+	R10-3eL		0.9	(2.7)	(3)
3+	R10-3eR		0.9	(2.7)	(3)
			ALL OTHER SIGNS		
			USE IN PLACE		
			SUBTOTAL	1.8	2
			PAY TOTAL	1.8	2

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.
+ FOR INFORMATION ONLY. PAID FOR AS INCIDENTAL TO AUDIBLE DETECTOR PUSH BUTTON.

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION APPROACH	STATION	OFFSET	SYSTEM MASTER (CLOSED LOOP) NEMA	SYSTEM MASTER (CLOSED LOOP) 170	ACTUATED NEMA	ACTUATED 170	ON-OFF* SWITCH TYPE I	ON-OFF* SWITCH TYPE II	COORDINATION INTERFACE * 12C/7C HARDWIRE (1) MASTER	12C/7C HARDWIRE (1) LOCAL	TIME BASE	CLOSED LOOP NEMA	CLOSED LOOP 170	FIBER	TIME * CLOCK	NEMA CABINET TYPE * E	NEMA CABINET TYPE * EV	NEMA CABINET TYPE * DOUBLE	170 CABINET TYPE * 332	170 CABINET TYPE * 336S	170 SOFTWARE * BITRAN	170 SOFTWARE * WAPITI
RTE 340	139+14.89	52.1′ LT			UIP									UIP			UIP					

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WOODSON/MCKNIGHT RD @ RTE 340

INTERSECTION

D-37 COMBINED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:06:19 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED 3/6/2026

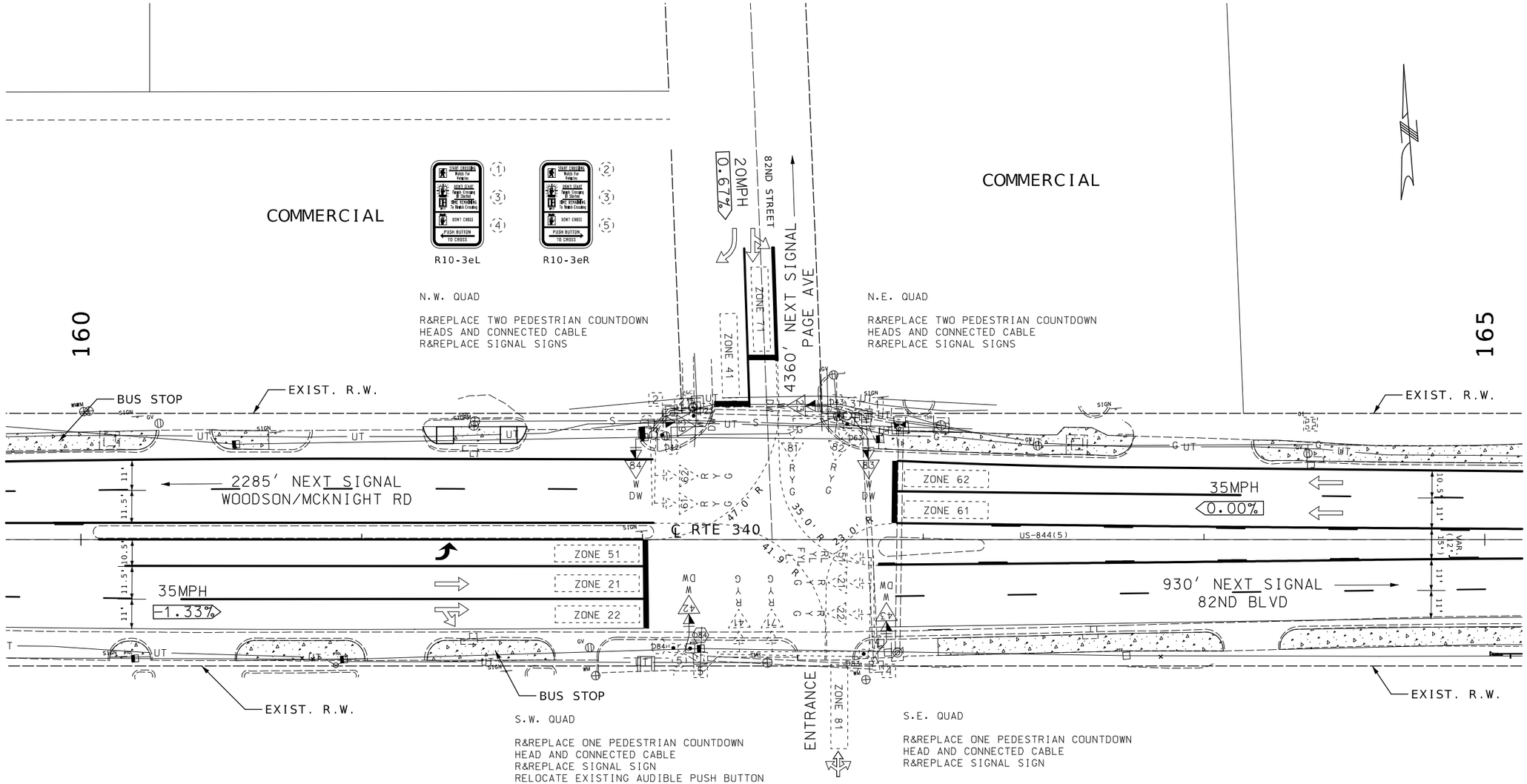
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	70

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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)

SIGNAL SHEET
ROUTE 340 @ WOODSON/MCKNIGHT
SHEET 2 OF 2



PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

NOTE:
ALL ITEMS NOT CALLED OUT
ARE TO BE ASSUMED UIP

SCALE
0 20 40 60

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:07:23 AM
STUART ROBINSON McNEIL · CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	71

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

SIGNAL SHEET
ROUTE 340 @ 82ND ST
SHEET 1 OF 2

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	TRENCHED 2″	TRENCHED 3″	PUSHED 3″
					ALL OTHER CABLES AND CONDUITS USE IN PLACE
SUBTOTAL					
PAY TOTAL					

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c–#2	POWER 1c–#8	CONTROL 2c–#16	CONTROL 5c–#16	CONTROL 7c–#16	CONTROL 2c–#12	REMARKS
CTRL	PH63	93′				123′			
CTRL	PH23	20′				44′			
CTRL	PH83	20′				44′			
CTRL	PH43	108′				138′			
CTRL	PH42	174′				210′			
CTRL	PH84	93′				123′			
						682′			
						720′			INCLUDE 5% FOR SNAKING

DETECTOR SCHEDULE

APPROACH	DETECTOR NUMBER	DETECTOR ZONE	TYPE: AUDIBLE PEDESTRIAN PUSH BUTTON	TYPE: OPTIONAL DETECTION
EB RTE 340	61	EB THRU		EXIST.
EB RTE 340	62	EB THRU & RT TURN		EXIST.
WB RTE 340	51	WB LT TURN		EXIST.
WB RTE 340	21	WB THRU		EXIST.
WB RTE 340	22	WB THRU & RT TURN		EXIST.
SB 81ST ST	71	SB LT TURN		EXIST.
SB 81ST ST	41	SB THRU/RT		EXIST.
NB 81ST ST	81	NB LT/THRU/RT		EXIST.
	D43	SB PED – WEST SIDE CROSSING 340	EXIST.	
	D24	EB PED – NORTH SIDE CROSSING 340	EXIST.	
	D63	WB PED – NORTH SIDE CROSSING 340	EXIST.	
	D44	SB PED – EAST SIDE CROSSING 340	EXIST.	
	D83	NB PED – EAST SIDE CROSSING 340	EXIST.	
	D23	EB PED – SOUTH SIDE CROSSING 340	EXIST.	
	D64	WB PED – SOUTH SIDE CROSSING 340	EXIST.	
	D84	NB PED – WEST SIDE CROSSING 340	RELOC.	
		TOTAL	EXIST.	✳✳

✳✳FOR INFORMATION ONLY

SIGNAL HEADS

POST NUMBER	FACE NUMBER	1	VISORS✳ 12″	VISORS✳ PED.	BRACKET✳ TYPE I	ONE-FACE 1– T	S	C	B	ONE-FACE 5– T	S	C	B
P1	63	1		1	1		1						
P3	23	1		1	1		1						
P3	83	1		1	1		1						
P4	43	1		1	1		1						
P5	42	1		1	1		1						
P1	84	1		1	1		1						
					ALL OTHER SIGNAL HEADS USE IN PLACE								
COUNTDOWN PAY TOTAL							6						

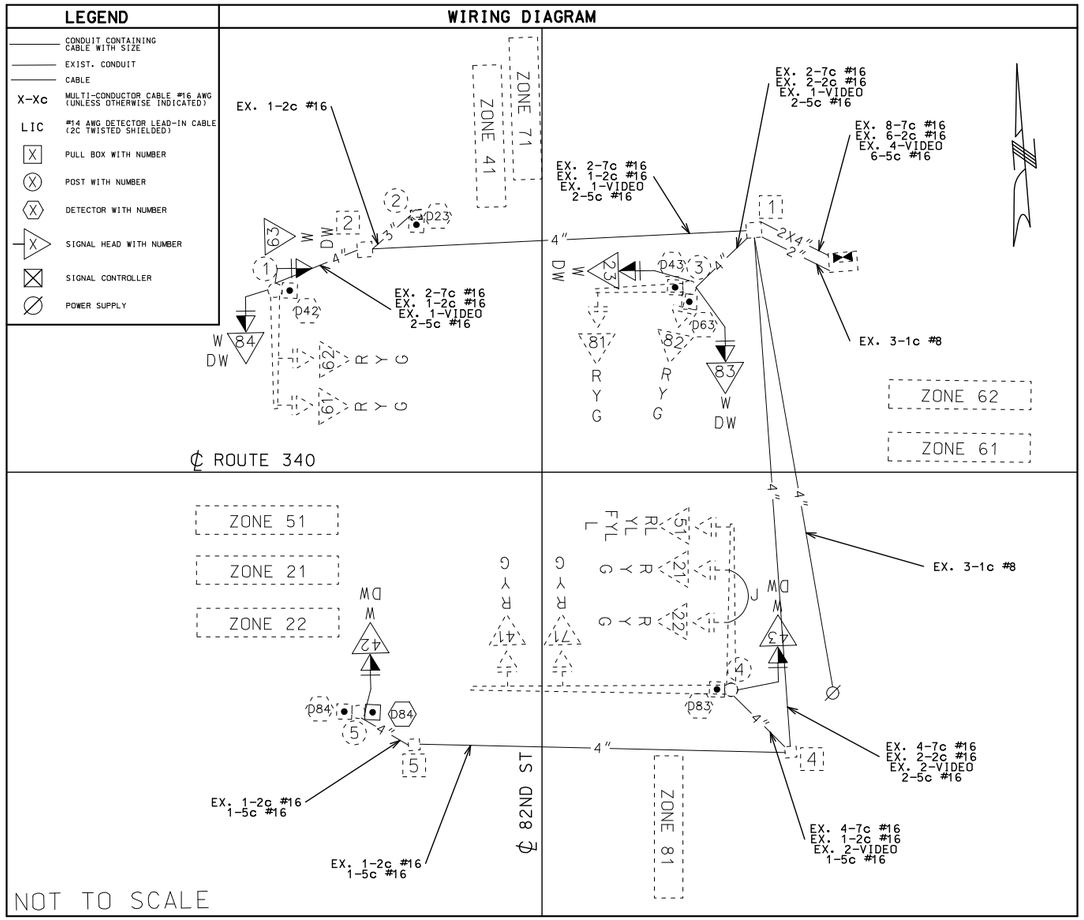
LEGEND

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

LEGEND

- CONDUIT CONTAINING CABLE WITH SIZE
- EXIST. CONDUIT
- 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
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY

WIRING DIAGRAM



SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
3	R10-3eL		0.9	2.7	3
3	R10-3eR		0.9	2.7	3
			ALL OTHER SIGNS USE IN PLACE		
			SUBTOTAL	5.4	6
			PAY TOTAL	5.4	6

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
N/A	Ø 2 EBT	N/A	Ø 4 SB	Ø 5 EBL	Ø 6 WBT	N/A	Ø 8 NB	N/A	Ø 4 PED	Ø 6 PED	Ø 8 PED

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.

DISCLAIMER
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CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION: APPROACH	STATION	OFFSET	SYSTEM MASTER (CLOSED LOOP): NEMA	SYSTEM MASTER (CLOSED LOOP): 170	ACTUATED: NEMA	ACTUATED: 170	ON-OFF✳ SWITCH: TYPE I	ON-OFF✳ SWITCH: TYPE II	COORDINATION INTERFACE ✳: 12C/7C HARDWIRE (1) MASTER	12C/7C HARDWIRE (1) LOCAL	TIME BASE	CLOSED LOOP: NEMA	CLOSED LOOP: 170	FIBER	TIME ✳ CLOCK	NEMA CABINET TYPE ✳: E	NEMA CABINET TYPE ✳: EV	NEMA CABINET TYPE ✳: DOUBLE	170 CABINET TYPE ✳: 332	170 CABINET TYPE ✳: 336S	170 SOFTWARE ✳: BITRAN	170 SOFTWARE ✳: WAPITI
RTE 340	162+91.93	37.7′ LT			UIP									UIP			UIP					

82ND ST @ RTE 340
INTERSECTION

D-37 COMBINED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:07:35 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/6/2026
ROUTE: 340 | STATE: MO
DISTRICT: SL | SHEET NO.: 72
COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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)

SIGNAL SHEET
ROUTE 340 @ 82ND ST
SHEET 2 OF 2

COMMERCIAL

170

HAFNER PLACE
0.67%

NO SIGNAL

N.W. QUAD

R&REPLACE PED. PUSH BUTTON D24
R&REPLACE TWO PED. SIGNS

ENTRANCE

ZONE 41

COMMERCIAL

N.E. QUAD

R&REPLACE PED. SIGNAL HEAD 83
R&REPLACE PED. PUSH BUTTON D63
AND ATTACHED SIGN

R10-3eL

R10-3eR

EXIST. R.W.

BUS STOP

930' NEXT SIGNAL
82ND BLVD

ZONE 51
ZONE 21
ZONE 22

35MPH
0.00%

ZONE 62
ZONE 61
ZONE 11

35MPH
1.33%

2630' NEXT SIGNAL
NORTH AND SOUTH RD

℄ RTE 340

EXIST. R.W.

BUS STOP

S.W. QUAD

R&REPLACE PED. PUSH BUTTONS
D23 AND D84 AND THEIR RELATED
PED. SIGNS

ZONE 81

81ST STREET

1880' NEXT SIGNAL
GROBY RD

20MPH
6.67%

EXIST. R.W.

S.E. QUAD

R&REPLACE TWO SIGNAL SIGNS

COMMERCIAL

COMMERCIAL

PAVING LEGEND

NEW CONCRETE SIDEWALK

6" RAISED ISLAND MEDIAN

SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

NOTE:
ALL ITEMS NOT CALLED OUT
ARE TO BE ASSUMED UIP

SCALE
0 20 40 60

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

03/10/2026 8:07:45 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	73

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

SIGNAL SHEET
ROUTE 340 @ 81ST ST
SHEET 1 OF 2

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	TRENCHED 2″	TRENCHED 3″	PUSHED 3″
SUBTOTAL					
PAY TOTAL					

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c–#2	POWER 1c–#8	CONTROL ⬡ 2c–#16	CONTROL ▽ 5c–#16	CONTROL 7c–#16	CONTROL 2c–#12
CTRL	PD24	27′			50′			
CTRL	PD63	98′			127′			
CTRL	PH83	86′				116′		
CTRL	PD23	97′			126′			
CTRL	PD84	97′			126′			
ALL OTHER CABLES AND CONDUITS USE IN PLACE								
SUBTOTAL					429′	116′		
PAY TOTAL					450′	130′		

REMARKS

INCLUDE 5% FOR SNAKING

SIGNAL HEADS

POST NUMBER	FACE NUMBER	VISORS ✳ 12″	VISORS ✳ PED.	BRACKET ✳ TYPE I	ONE-FACE 1- T	S	C	B	ONE-FACE 5- T	S	C	B
P2	83	1	1	1		1						
ALL OTHER SIGNAL HEADS USE IN PLACE												
COUNTDOWN PAY TOTAL						1						

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
1	R10-3eL		0.9	0.9	1
2	R10-3eR		0.9	1.8	2
2+	R10-3eR		0.9	(1.8)	(2)
2+	R10-3eL		0.9	(1.8)	(2)
ALL OTHER SIGNS USE IN PLACE					
SUBTOTAL				2.7	3
PAY TOTAL				2.7	3

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

DETECTOR SCHEDULE

APPROACH	DETECTOR NUMBER	DETECTOR ZONE	TYPE: AUDIBLE PEDESTRIAN PUSH BUTTON	TYPE: OPTIONAL DETECTION
EB RTE 340	11	EB LT TURN		EXIST.
EB RTE 340	61	EB THRU		EXIST.
EB RTE 340	62	EB THRU & RT TURN		EXIST.
WB RTE 340	50	WB LT TURN		EXIST.
WB RTE 340	21	WB THRU		EXIST.
WB RTE 340	22	WB THRU & RT TURN		EXIST.
SB 81ST ST	41	SB LT/THRU/RT		EXIST.
NB 81ST ST	81	NB LT/THRU/RT		EXIST.
	D43	SB PED – WEST SIDE CROSSING 340	EXIST.	
	D24	EB PED – NORTH SIDE CROSSING 340	1	
	D63	WB PED – NORTH SIDE CROSSING 340	1	
	D44	SB PED – EAST SIDE CROSSING 340	EXIST.	
	D83	NB PED – EAST SIDE CROSSING 340	EXIST.	
	D23	EB PED – SOUTH SIDE CROSSING 340	1	
	D64	WB PED – SOUTH SIDE CROSSING 340	EXIST.	
	D84	NB PED – WEST SIDE CROSSING 340	1	
		TOTAL	4	✳✳

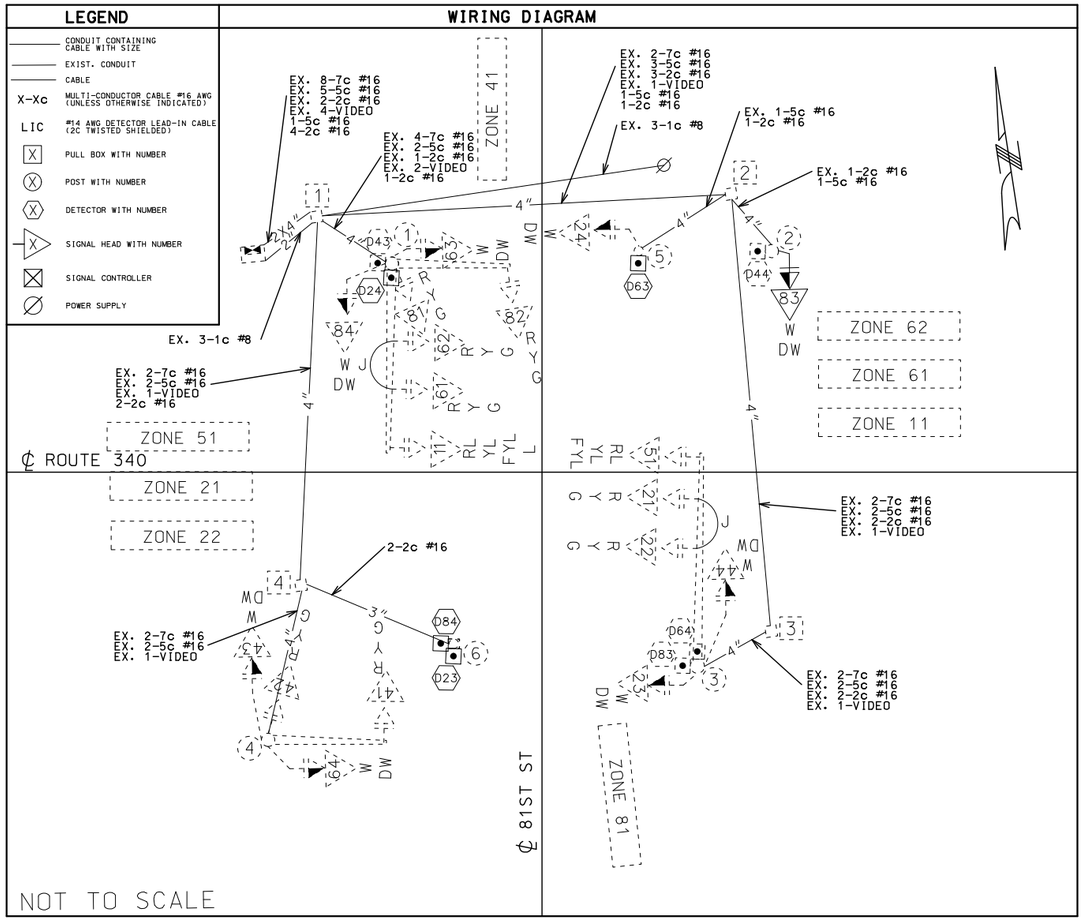
✳✳FOR INFORMATION ONLY

ALL OTHER DETECTORS USE IN PLACE

LEGEND

- CONDUIT CONTAINING CABLE WITH SIZE
- EXIST. CONDUIT
- 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
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY

WIRING DIAGRAM



NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
N/A	Ø 2 EBT	N/A	Ø 4 SB	Ø 5 EBL	Ø 6 WBT	N/A	Ø 8 NB	N/A	Ø 4 PED	Ø 6 PED	Ø 8 PED

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.

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.
+ FOR INFORMATION ONLY. PAID FOR AS INCIDENTAL TO AUDIBLE DETECTOR PUSH BUTTON.

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION: APPROACH	STATION	OFFSET	SYSTEM MASTER (CLOSED LOOP): NEMA	SYSTEM MASTER (CLOSED LOOP): 170	ACTUATED: NEMA	ACTUATED: 170	ON-OFF ✳ SWITCH TYPE: I	II	COORDINATION INTERFACE ✳ 12C/7C HARDWIRE (1): MASTER	LOCAL	TIME BASE	CLOSED LOOP: NEMA	CLOSED LOOP: 170	FIBER	TIME ✳ CLOCK	NEMA CABINET TYPE ✳: E	EV	DOUBLE	170 CABINET TYPE ✳: 332	336S	170 SOFTWARE ✳: BITRAN	WAPITI
RTE 340	162+91.93	37.7′ LT			UIP									UIP			UIP					

81ST ST @ RTE 340
INTERSECTION

D-37 COMBINED

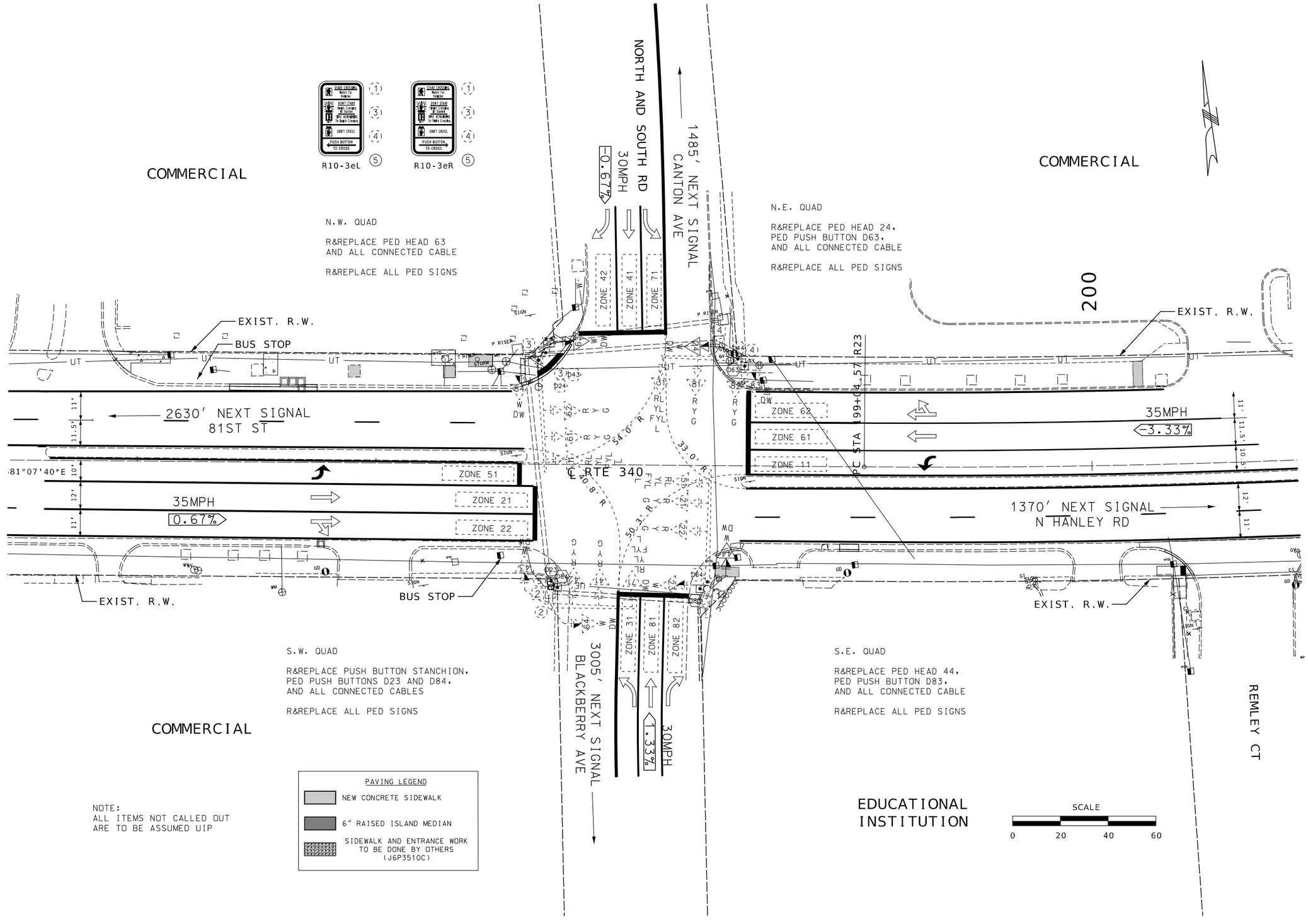
STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:07:58 AM
STUART ROBINSON MCNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED 3/6/2026
ROUTE 340 | STATE MO
DISTRICT SL | SHEET NO. 74
COUNTY ST. LOUIS
JOB NO. JSL0076B
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)

SIGNAL SHEET
ROUTE 340 @ 81ST ST
SHEET 2 OF 2



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

03/10/2026 8:08:09 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	75

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

SIGNAL SHEET
ROUTE 340 @ NORTH AND SOUTH RD
SHEET 1 OF 2

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	TRENCHED 2"	TRENCHED 3"	PUSHED 3"
					ALL OTHER CONDUITS USE IN PLACE
SUBTOTAL					
PAY TOTAL					

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c-#2	POWER 1c-#8	CONTROL ⬡ 2c-#16	CONTROL ▽ 5c-#16	CONTROL 7c-#16	CONTROL 2c-#12	REMARKS
CTRL	PH63	41′				41′			
CTRL	PH24	106′				136′			
CTRL	PD63	106′			135′				
CTRL	PH44	182′				218′			
CTRL	PD83	182′			217′				
CTRL	PD84	115′			144′				
CTRL	PD23	115′			144′				
SUBTOTAL					640′	395′			
PAY TOTAL					680′	410			INCLUDE 5% FOR SNAKING

SIGNAL HEADS

POST NUMBER	FACE NUMBER	🚶	VISORS* 12"	VISORS* PED.	BRACKET* TYPE I	ONE-FACE 1- T	ONE-FACE 1- S	ONE-FACE 1- C	ONE-FACE 1- B	ONE-FACE 3- T	ONE-FACE 3- S	ONE-FACE 3- C	ONE-FACE 3- B
P3	63	1		1	1		1						
P4	24	1		1	1		1						
P1	44	1		1	1		1						
					ALL OTHER SIGNAL HEADS USE IN PLACE								
COUNTDOWN PAY TOTAL							3						

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

DETECTOR SCHEDULE

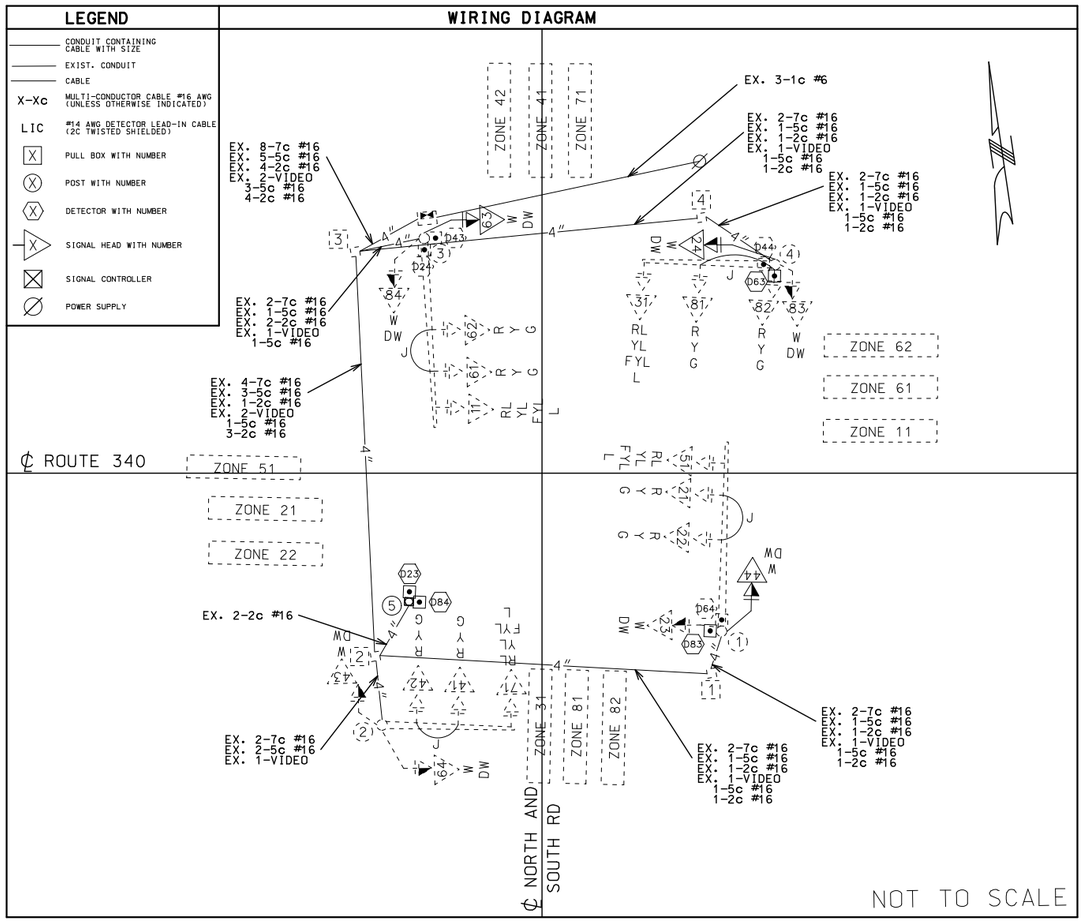
APPROACH	DETECTOR NUMBER	DETECTOR ZONE	TYPE: AUDIBLE PEDESTRIAN PUSH BUTTON	TYPE: VIDEO DETECTION
EB RTE 340	51	EB LT TURN		EXIST.
EB RTE 340	21	EB THRU		EXIST.
EB RTE 340	22	EB THRU/RT		EXIST.
WB RTE 340	11	WB LT TURN		EXIST.
WB RTE 340	61	WB THRU		EXIST.
WB RTE 340	62	WB THRU/RT		EXIST.
SB NORTH & SOUTH	71	SB LT TURN		EXIST.
SB NORTH & SOUTH	41	SB THRU		EXIST.
SB NORTH & SOUTH	42	SB RT TURN		EXIST.
NB NORTH & SOUTH	31	NB LT TURN		EXIST.
NB NORTH & SOUTH	81	NB THRU		EXIST.
NB NORTH & SOUTH	82	NB RT TURN		EXIST.
	D43	SB PED - WEST SIDE CROSSING 340	EXIST.	
	D24	EB PED - NORTH SIDE CROSSING 340	EXIST.	
	D63	WB PED - NORTH SIDE CROSSING 340	1	
	D44	SB PED - EAST SIDE CROSSING 340	EXIST.	
	D83	NB PED - EAST SIDE CROSSING 340	1	
	D64	WB PED - SOUTH SIDE CROSSING 340	EXIST.	
	D23	EB PED - SOUTH SIDE CROSSING 340	1	
	D84	NB PED - WEST SIDE CROSSING 340	1	
		TOTAL	4	**

**FOR INFORMATION ONLY

LEGEND

- CONDUIT CONTAINING CABLE WITH SIZE
- EXIST. CONDUIT
- 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
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY

WIRING DIAGRAM



SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
1	R10-3eL		0.9	0.9	1
3	R10-3eR		0.9	2.7	3
3+	R10-3eL		0.9	(2.7)	(3)
1+	R10-3eR		0.9	(0.9)	(1)
		ALL OTHER SIGNS USE IN PLACE			
		SUBTOTAL		3.6	4
		PAY TOTAL		3.6	4

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
Ø 1	Ø 2	Ø 3	Ø 4	Ø 5	Ø 6	Ø 7	Ø 8	Ø 2	Ø 4	Ø 6	Ø 8
WBL	EBT	NBL	SBT	EBL	WBT	SBL	NBT	PED	PED	PED	PED

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.
+ FOR INFORMATION ONLY. PAID FOR AS INCIDENTAL TO AUDIBLE DETECTOR PUSH BUTTON.

POST NUMBER	PULL BOX NUMBER	LOCATION APPROACH	LOCATION STATION	LOCATION OFFSET	BASE TYPE C	BASE	BASE CONCRETE** (CU. YDS.)	POST TOP MOUNT POST 8 FT.	POST TOP MOUNT POST 15 FT.	POST STANCHION
			CONTROLLER	(EXIST.)						
P5		RTE 340	197+73.50	50.13′ RT	UIP		UIP			1
						SUBTOTAL	UIP			1
						PAY TOTAL	UIP			1

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION APPROACH	LOCATION STATION	LOCATION OFFSET	SYSTEM MASTER (CLOSED LOOP) NEMA	SYSTEM MASTER (CLOSED LOOP) 170	ACTUATED NEMA	ACTUATED 170	ON-OFF* SWITCH TYPE I	ON-OFF* SWITCH TYPE II	COORDINATION INTERFACE * 12C/7C HARDWIRE (1) MASTER	12C/7C HARDWIRE (1) LOCAL	TIME BASE	CLOSED LOOP NEMA	CLOSED LOOP 170	FIBER	TIME * CLOCK	NEMA CABINET TYPE * E	NEMA CABINET TYPE * EV	NEMA CABINET TYPE * DOUBLE	170 CABINET TYPE * 332	170 CABINET TYPE * 336S	170 SOFTWARE * BITRAN	170 SOFTWARE * WAPITI
RTE 340	197+72.04	51.8′ LT			UIP									UIP			UIP					

NORTH AND SOUTH RD @ RTE 340
INTERSECTION

D-37 COMBINED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:08:18 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED 3/6/2026
ROUTE 340 | STATE MO
DISTRICT SL | SHEET NO. 76
COUNTY ST. LOUIS
JOB NO. JSL0076B
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)

SIGNAL SHEET
ROUTE 340 @ NORTH AND SOUTH RD
SHEET 2 OF 2

EMPTY LOT

N.W. QUAD

R&REPLACE PED HEADS 63 AND 84
AND CONNECTED CABLE

227

MIDLAND BLVD

2,008'

35MPH

2130' NEXT SIGNAL
CANTON AVE

ZONE 42

ZONE 41

ZONE 71

BUS STOP

EXIST. R.W.

1620' NEXT SIGNAL
N HANLEY RD

ZONE 51

ZONE 21

ZONE 22

35MPH
0.67%

EXIST. R.W.

S.W. QUAD

R&REPLACE PED HEAD 43
AND CONNECTED CABLE

RELOCATE PUSH BUTTONS D23 AND D84
TO THE OPPOSITE SIDE OF POLE 3

COMMERCIAL

PAVING LEGEND

NEW CONCRETE SIDEWALK

6" RAISED ISLAND MEDIAN

SIDEWALK AND ENTRANCE WORK
TO BE DONE BY OTHERS
(J6P3510C)

3130' NEXT SIGNAL
VERNON AVE

MIDLAND BLVD

35MPH
0.00%

ZONE 31

ZONE 81

ZONE 82

S.E. QUAD

NO PLANNED WORK.

EMPTY LOT

NOTE:
ALL ITEMS NOT CALLED OUT
ARE TO BE ASSUMED UIP

N.E. QUAD

R&REPLACE PED. PUSH BUTTON D63
AND CONNECTED CABLE

R10-3eL

(7)

COMMERCIAL

230

EXIST. R.W.

ZONE 62

ZONE 61

ZONE 11

35MPH
0.00%

3480' NEXT SIGNAL
PENNSYLVANIA AVE

BUS STOP

EXIST. R.W.

℄ RTE 340

SCALE

0 20 40 60

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

03/10/2026 8:14:20 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	77

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

SIGNAL SHEET
ROUTE 340 @ MIDLAND BLVD
SHEET 1 OF 2

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	TRENCHED 2″	TRENCHED 3″	PUSHED 3″
SUBTOTAL					
PAY TOTAL					

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c–#2	POWER 1c–#8	CONTROL ⬡ 2c–#16	CONTROL ▽ 5c–#16	CONTROL 7c–#16	CONTROL 2c–#12	REMARKS
CTRL	PH43	113′				143′			
CTRL	PH84	209′				245′			
CTRL	PH63	209′				245′			
CTRL	PD63	112′			141′				
ALL OTHER CABLES AND CONDUITS USE IN PLACE									
SUBTOTAL					148′	633′			
PAY TOTAL					150′	670′			INCLUDE 5% FOR SNAKING

DETECTOR SCHEDULE

APPROACH	DETECTOR NUMBER	DETECTOR ZONE	TYPE: AUDIBLE PEDESTRIAN PUSH BUTTON	TYPE: OPTIONAL DETECTION
EB RTE 340	51	EB LT TURN		EXIST.
EB RTE 340	21	EB THRU		EXIST.
EB RTE 340	22	EB THRU & RT TURN		EXIST.
WB RTE 340	11	WB LT TURN		EXIST.
WB RTE 340	61	WB THRU		EXIST.
WB RTE 340	62	WB THRU & RT TURN		EXIST.
SB MIDLAND BLVD	71	SB LT		EXIST.
SB MIDLAND BLVD	41	SB THRU		EXIST.
SB MIDLAND BLVD	42	SB THRU/RT		EXIST.
NB MIDLAND BLVD	31	NB LT		EXIST.
NB MIDLAND BLVD	81	NB THRU		EXIST.
NB MIDLAND BLVD	82	NB RT		EXIST.
	D43	SB PED – WEST SIDE CROSSING 340	EXIST.	
	D24	EB PED – NORTH SIDE CROSSING 340	EXIST.	
	D63	WB PED – NORTH SIDE CROSSING 340	1	
	D44	SB PED – EAST SIDE CROSSING 340	EXIST.	
	D83	NB PED – EAST SIDE CROSSING 340	EXIST.	
	D23	EB PED – SOUTH SIDE CROSSING 340	R&RELOCATE	
	D64	WB PED – SOUTH SIDE CROSSING 340	EXIST.	
	D84	NB PED – WEST SIDE CROSSING 340	R&RELOCATE	
		TOTAL	1	✻✻

✻✻FOR INFORMATION ONLY

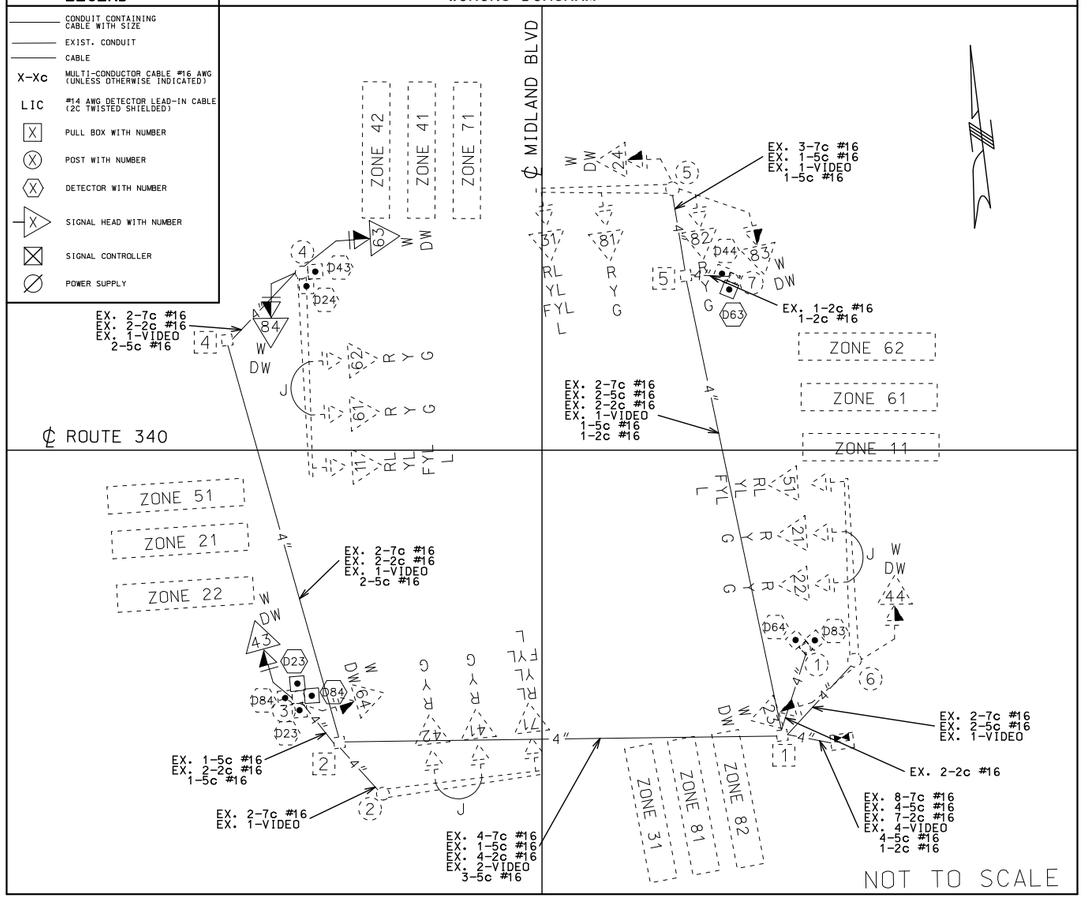
NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
Ø 1	Ø 2	Ø 3	Ø 4	Ø 5	Ø 6	Ø 7	Ø 8	Ø 2	Ø 4	Ø 6	Ø 8
WBL	EBT	NBL	SBT	EBL	WBT	SBL	NB	PED	PED	PED	PED

LEGEND

CONDUIT CONTAINING CABLE WITH SIZE
EXIST. CONDUIT
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
DETECTOR WITH NUMBER
SIGNAL HEAD WITH NUMBER
SIGNAL CONTROLLER
POWER SUPPLY

WIRING DIAGRAM



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

POST NUMBER	FACE NUMBER	SIGNAL HEADS: VISORS✻ 12″	VISORS✻ PED.	BRACKET✻ TYPE I	ONE-FACE 1– T	S	C	B	ONE-FACE 5– T	S	C	B
P2	43	1	1	1		1						
P4	84	1	1	1		1						
P4	63	1	1	1		1						
ALL OTHER SIGNAL HEADS USE IN PLACE												
COUNTDOWN PAY TOTAL						3						

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
1+	R10-3eL		0.9	(0.9)	(1)
				ALL OTHER SIGNS	
				USE IN PLACE	
			SUBTOTAL	0	0
			PAY TOTAL	0	0

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.
+ FOR INFORMATION ONLY. PAID FOR AS INCIDENTAL TO AUDIBLE DETECTOR PUSH BUTTON.

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION: APPROACH	STATION	OFFSET	SYSTEM MASTER (CLOSED LOOP): NEMA	170	ACTUATED: NEMA	170	ON-OFF✻ SWITCH TYPE: I	II	COORDINATION INTERFACE ✻: 12C/7C HARDWIRE (1) MASTER	LOCAL	TIME BASE	CLOSED LOOP: NEMA	170	FIBER	TIME ✻ CLOCK	NEMA CABINET TYPE ✻: E	EV	DOUBLE	170 CABINET TYPE ✻: 332	336S	170 SOFTWARE ✻: BITRAN	WAPITI
RTE 340	228+44.04	53.8′ RT			UIP									UIP			UIP					

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MIDLAND BLVD @ RTE 340
INTERSECTION

D-37 COMBINED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:14:29 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED 3/6/2026
ROUTE 340 | STATE MO
DISTRICT SL | SHEET NO. 78
COUNTY ST. LOUIS
JOB NO. JSL0076B
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)

SIGNAL SHEET
ROUTE 340 @ MIDLAND BLVD
SHEET 2 OF 2

COMMERCIAL

PENNSYLVANIA AVE

35MPH

0.00%

4010' NEXT SIGNAL
PAGE AVE

ZONE 71

ZONE 41

N.W. QUAD

NO PLANNED WORK.

N.E. QUAD

TURN PED HEAD 82 TO
ALIGN WITH CROSSING

COMMERCIAL

EXIST. R.W.

BUS STOP

EXIST. R.W.

3480' NEXT SIGNAL
MIDLAND BLVD

℄ RTE 340

ZONE 62

ZONE 61

ZONE 11

35MPH

2.00%

1790' NEXT SIGNAL
FERGUSON AVE

ZONE 51

ZONE 21

ZONE 22

35MPH

-1.33%

EXIST. R.W.

BUS STOP

EXIST. R.W.

R10-3eL

(3)

S.W. QUAD

R&REPLACE PED PUSH BUTTON D83

S.E. QUAD

RELOCATE PED HEAD 23 TO
NORTH SIDE OF POLE

TURN PED HEAD 43 TO
ALIGN WITH CROSSING

INDUSTRIAL

PARK LAND

ZONE 31

ZONE 81

NO SIGNAL

30MPH

3.33%

NOTE:
ALL ITEMS NOT CALLED OUT
ARE TO BE ASSUMED UIP

PAVING LEGEND

- NEW CONCRETE SIDEWALK
- 6" RAISED ISLAND MEDIAN
- SIDEWALK AND ENTRANCE WORK TO BE DONE BY OTHERS (J6P3510C)

SCALE

0 20 40 60

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

03/10/2026 8:14:37 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	79

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

SIGNAL SHEET
ROUTE 340 @ PENNSYLVANIA AVE
SHEET 1 OF 2

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	TRENCHED 2"	TRENCHED 3"	PUSHED 3"
SUBTOTAL					
PAY TOTAL					

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c-#2	POWER 1c-#8	CONTROL 2c-#16	CONTROL 5c-#16	CONTROL 7c-#16	CONTROL 2c-#12	REMARKS
CTRL	PD83	186′			221′				
ALL OTHER CABLES AND CONDUITS USE IN PLACE									
					221′				
					240′				INCLUDE 5% FOR SNAKING

DETECTOR SCHEDULE

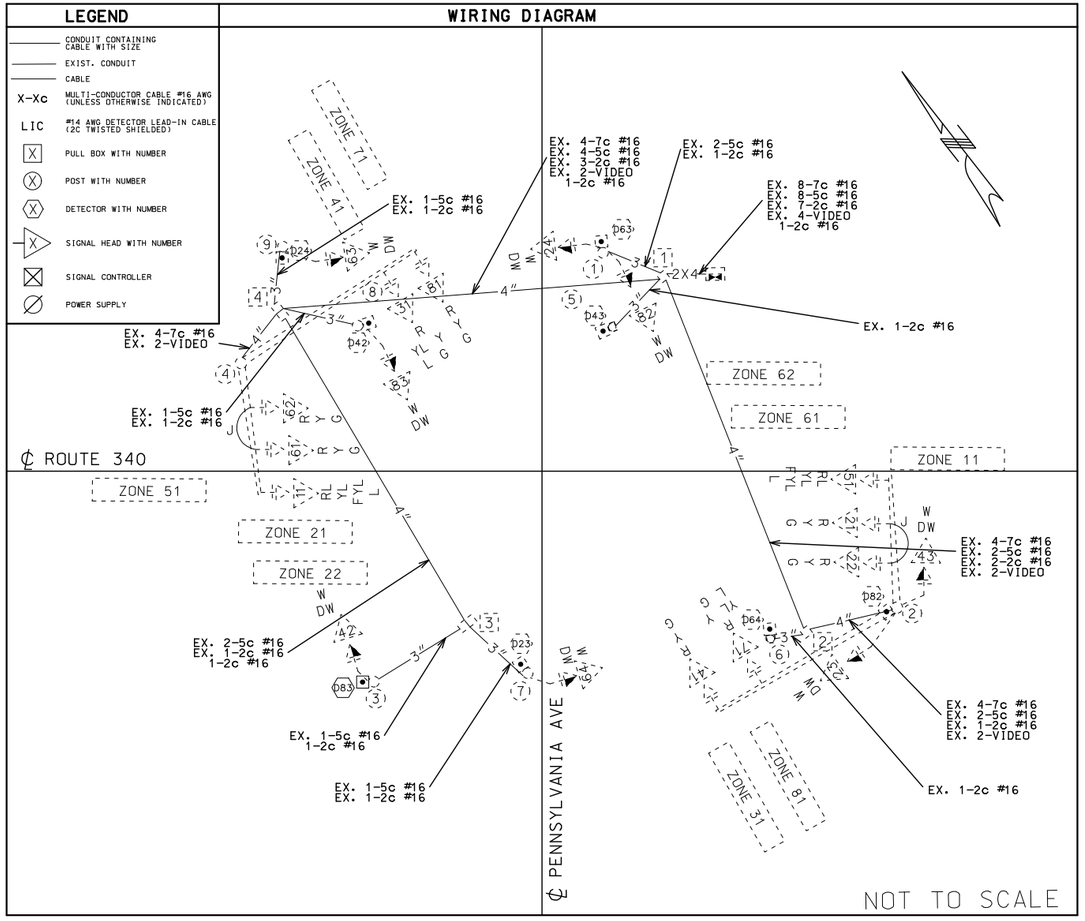
APPROACH	DETECTOR NUMBER	DETECTOR ZONE	TYPE: AUDIBLE PEDESTRIAN PUSH BUTTON	TYPE: OPTIONAL DETECTION
EB RTE 340	51	EB LT TURN		EXIST.
EB RTE 340	21	EB THRU		EXIST.
EB RTE 340	22	EB THRU & RT TURN		EXIST.
WB RTE 340	11	WB LT TURN		EXIST.
WB RTE 340	61	WB THRU		EXIST.
WB RTE 340	62	WB THRU & RT TURN		EXIST.
SB PENNSYLVANIA AVE	71	SB LT		EXIST.
SB PENNSYLVANIA AVE	41	SB THRU/RT		EXIST.
NB PENNSYLVANIA AVE	31	NB LT		EXIST.
NB PENNSYLVANIA AVE	81	NB THRU/RT		EXIST.
	D42	SB PED - WEST SIDE CROSSING 340	EXIST.	
	D24	EB PED - NORTH SIDE CROSSING 340	EXIST.	
	D63	WB PED - NORTH SIDE CROSSING 340	EXIST.	
	D43	SB PED - EAST SIDE CROSSING 340	EXIST.	
	D82	NB PED - EAST SIDE CROSSING 340	EXIST.	
	D23	EB PED - SOUTH SIDE CROSSING 340	EXIST.	
	D64	WB PED - SOUTH SIDE CROSSING 340	EXIST.	
	D83	NB PED - WEST SIDE CROSSING 340	1	
		TOTAL	1	**

**FOR INFORMATION ONLY

LEGEND

- CONDUIT CONTAINING CABLE WITH SIZE
- EXIST. CONDUIT
- 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
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY

WIRING DIAGRAM



SIGNAL HEADS

POST NUMBER	FACE NUMBER	VISORS* 12"	VISORS* PED.	BRACKET* TYPE I	ONE-FACE 1- T	S	C	B
P1	82	RELOC	RELOC	RELOC		RELOC		
P2	23	RELOC	RELOC	RELOC		RELOC		
P2	43	RELOC	RELOC	RELOC		RELOC		
				ALL OTHER SIGNAL HEADS USE IN PLACE				
COUNTDOWN PAY TOTAL						*		

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

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
Ø 1	Ø 2	Ø 3	Ø 4	Ø 5	Ø 6	Ø 7	Ø 8	Ø 2	Ø 4	Ø 6	Ø 8
WBL	EBT	OLA	SBT	EBL	WBT	SBL	NB	PED	PED	PED	PED

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
1+	R10-3eL		0.9	(0.9)	(1)
				ALL OTHER SIGNS USE IN PLACE	
			SUBTOTAL	0	0
			PAY TOTAL	0	0

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.
+ FOR INFORMATION ONLY. PAID FOR AS INCIDENTAL TO AUDIBLE DETECTOR PUSH BUTTON.

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION: APPROACH	STATION	OFFSET	SYSTEM MASTER (CLOSED LOOP): NEMA	SYSTEM MASTER (CLOSED LOOP): 170	ACTUATED: NEMA	ACTUATED: 170	ON-OFF* SWITCH TYPE: I	ON-OFF* SWITCH TYPE: II	COORDINATION INTERFACE *: 12C/7C HARDWIRE (1): MASTER	12C/7C HARDWIRE (1): LOCAL	TIME BASE	CLOSED LOOP: NEMA	CLOSED LOOP: 170	FIBER	TIME * CLOCK	NEMA CABINET TYPE *: E	NEMA CABINET TYPE *: EV	NEMA CABINET TYPE *: DOUBLE	170 CABINET TYPE *: 332	170 CABINET TYPE *: 336S	170 SOFTWARE *: BITRAN	170 SOFTWARE *: WAPITI
RTE 340	262+91.97	47.2′ LT			UIP									UIP			UIP					

SIGNAL SHEET
ROUTE 340 @ PENNSYLVANIA AVE
SHEET 2 OF 2

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PENNSYLVANIA AVE @ RTE 340
INTERSECTION

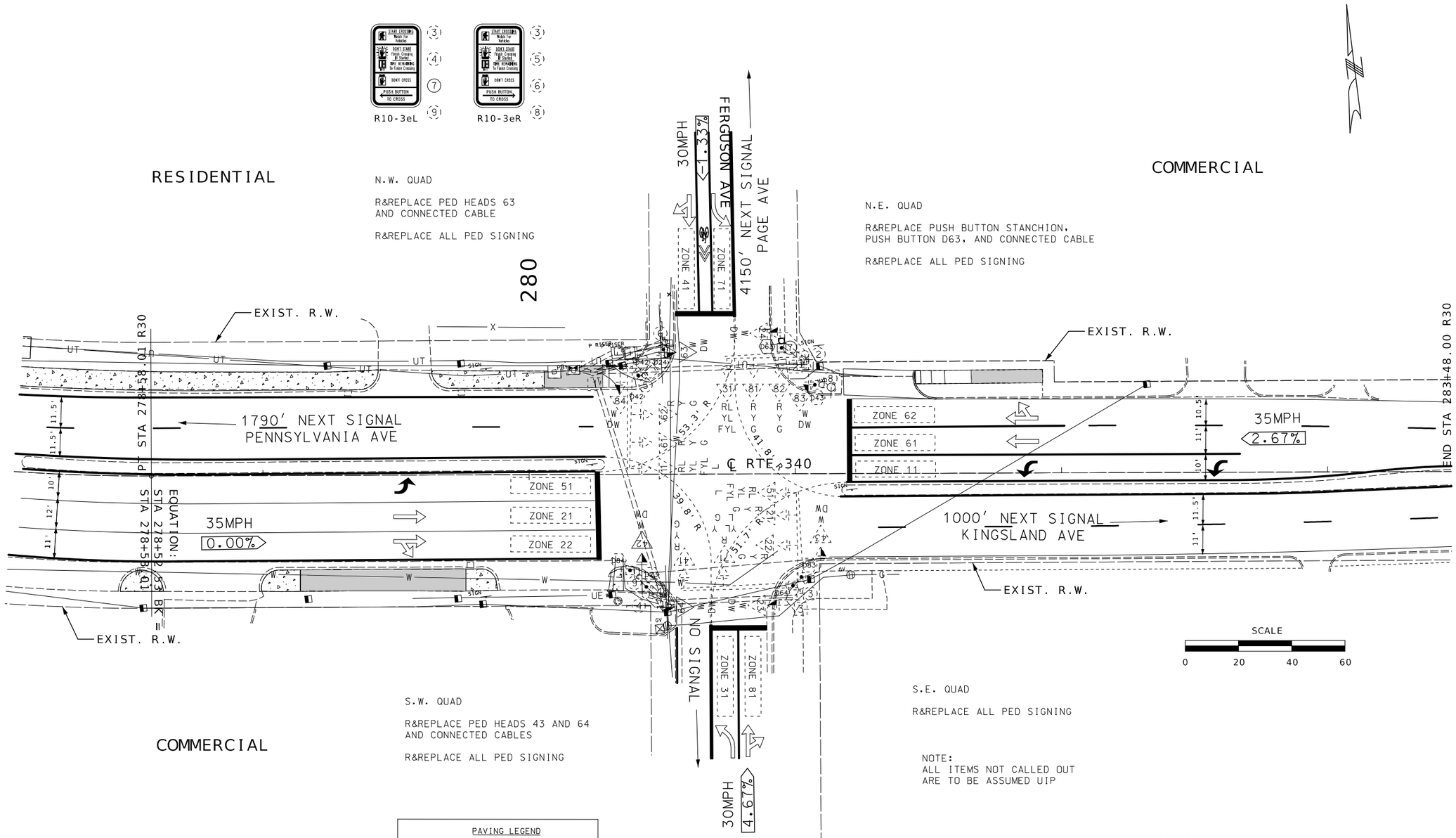
D-37 COMBINED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:14:45 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/6/2026
ROUTE: 340 | STATE: MO
DISTRICT: SL | SHEET NO.: 80
COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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)



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

03/10/2026 8:15:01 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	81

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

SIGNAL SHEET
ROUTE 340 @ FERGUSON AVE
SHEET 1 OF 2

CONDUIT

FROM	TO	CTR TO CTR DISTANCE	TRENCHED 2″	TRENCHED 3″	PUSHED 3″
SUBTOTAL					
PAY TOTAL					

CABLE

FROM	TO	CTR TO CTR DISTANCE	POWER 1c-#2	POWER 1c-#8	CONTROL 2c-#16	CONTROL 5c-#16	CONTROL 7c-#16	CONTROL 2c-#12	REMARKS
CTRL	PD63	101′			130′				
CTRL	PH63	22′				46′			
CTRL	PH42	106′				143′			
CTRL	PH64	106′				143′			
ALL OTHER CABLES AND CONDUITS USE IN PLACE									
SUBTOTAL					130′	332′			
PAY TOTAL					150′	350′			INCLUDE 5% FOR SNAKING

POST NUMBER	PULL BOX NUMBER	LOCATION APPROACH	LOCATION STATION	LOCATION OFFSET	BASE TYPE C	BASE	BASE CONCRETE** (CU. YDS.)	PULL BOX PREFORMED CLASS 2	PREFORMED CLASS 3	PREFORMED CLASS 5	CONCRETE STANDARD	DRAIN TYPE* I	DRAIN TYPE* II A	II B	II C	POST TOP MOUNT 8 FT.	POST TOP MOUNT 15 FT.	POST STANCHION
7		ROUTE 340	280+95.00	49.9′ LT	UIP		UIP											1
						SUBTOTAL												
						PAY TOTAL	UIP											1

DETECTOR SCHEDULE

APPROACH	DETECTOR NUMBER	DETECTOR ZONE	TYPE AUDIBLE PEDESTRIAN PUSH BUTTON	TYPE OPTIONAL DETECTION
EB RTE 340	51	EB LT TURN		EXIST.
EB RTE 340	21	EB THRU		EXIST.
EB RTE 340	22	EB THRU & RT TURN		EXIST.
WB RTE 340	11	WB LT TURN		EXIST.
WB RTE 340	61	WB THRU		EXIST.
WB RTE 340	62	WB THRU & RT TURN		EXIST.
SB FERGUSON AVE	71	SB LT		EXIST.
SB FERGUSON AVE	41	SB THRU/RT		EXIST.
NB FERGUSON AVE	31	NB LT		EXIST.
NB FERGUSON AVE	81	NB THRU		EXIST.
NB FERGUSON AVE	82	NB RT		EXIST.
	D42	SB PED - WEST SIDE CROSSING 340	EXIST.	
	D24	EB PED - NORTH SIDE CROSSING 340	EXIST.	
	D63	WB PED - NORTH SIDE CROSSING 340	1	
	D43	SB PED - EAST SIDE CROSSING 340	EXIST.	
	D83	NB PED - EAST SIDE CROSSING 340	EXIST.	
	D23	EB PED - SOUTH SIDE CROSSING 340	EXIST.	
	D64	WB PED - SOUTH SIDE CROSSING 340	EXIST.	
	D84	NB PED - WEST SIDE CROSSING 340	EXIST.	
		TOTAL	1	**

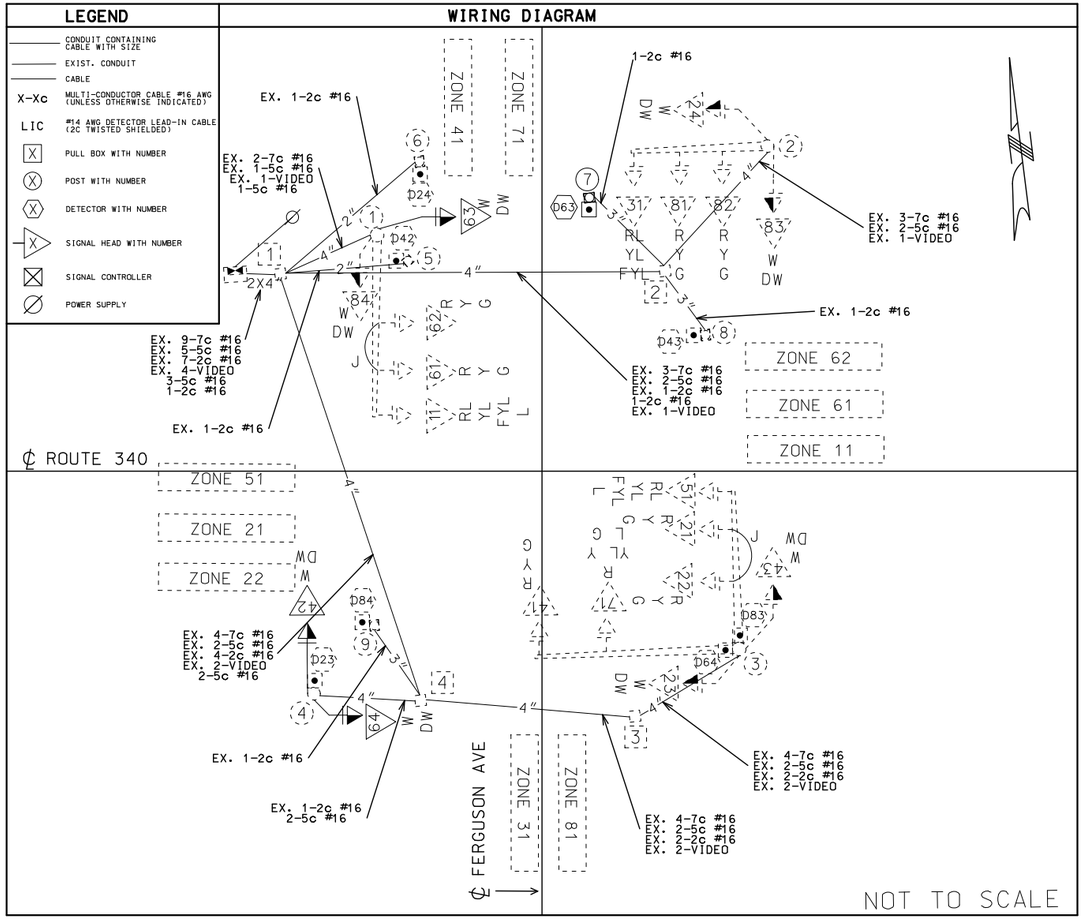
**FOR INFORMATION ONLY

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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.
+ FOR INFORMATION ONLY. PAID FOR AS INCIDENTAL TO AUDIBLE DETECTOR PUSH BUTTON.

LEGEND

- CONDUIT CONTAINING CABLE WITH SIZE
- EXIST. CONDUIT
- 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
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY

WIRING DIAGRAM



POST NUMBER	FACE NUMBER	SIGNAL HEADS VISORS* 12″	VISORS* PED.	BRACKET* TYPE I	ONE-FACE 1- T	S	C	B	ONE-FACE 5- T	S	C	B
P1	63	1	1	1		1						
P4	42	1	1	1		1						
P4	64	1	1	1		1						
				ALL OTHER SIGNAL HEADS USE IN PLACE								
				COUNTDOWN PAY TOTAL		3						

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

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE INCHES	AREA SQ.FT.	SIGN TOTAL AREA ITEM NO. 90208.33 SQ.FT.	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34 EA.
3	R10-3eL		0.9	2.7	3
4	R10-3eR		0.9	3.6	4
1+	R10-3eL		0.9	(0.9)	(1)
			SUBTOTAL	6.3	7
			PAY TOTAL	6.3	7

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
Ø 1	Ø 2	Ø 3	Ø 4	Ø 5	Ø 6	Ø 7	Ø 8	Ø 2	Ø 4	Ø 6	Ø 8
WBL	EBT	OLA	SBT	EBL	WBT	SBL	NB	PED	PED	PED	PED

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION APPROACH	STATION	OFFSET	SYSTEM MASTER (CLOSED LOOP) NEMA	170	ACTUATED NEMA	170	ON-OFF* SWITCH TYPE I	II	COORDINATION INTERFACE * 12C/7C HARDWIRE (1) MASTER	LOCAL	TIME BASE	CLOSED LOOP NEMA	170	FIBER	TIME * CLOCK	NEMA CABINET TYPE * E	EV	DOUBLE	170 CABINET TYPE * 332	336S	170 SOFTWARE * BITRAN	WAPITI
RTE 340	280+16.70	39.2′ LT			UIP									UIP			UIP					

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FERGUSON AVE @ RTE 340
INTERSECTION

D-37 COMBINED

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:15:09 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED 3/6/2026
ROUTE 340 | STATE MO
DISTRICT SL | SHEET NO. 82
COUNTY ST. LOUIS
JOB NO. JSL0076B
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

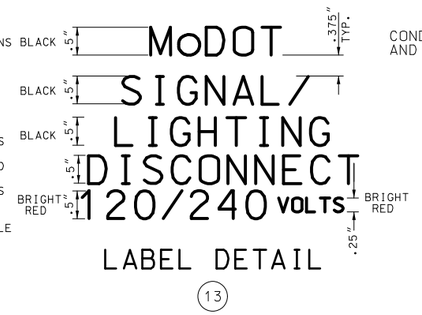
DESCRIPTION | DATE

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

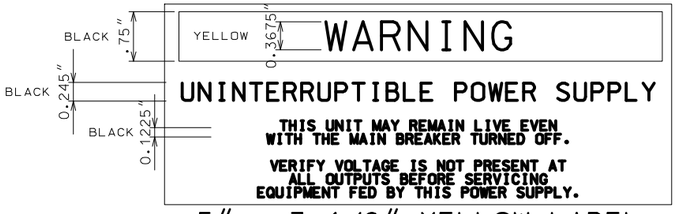
SIGNAL SHEET
ROUTE 340 @ FERGUSON AVE
SHEET 2 OF 2

GENERAL NOTES:

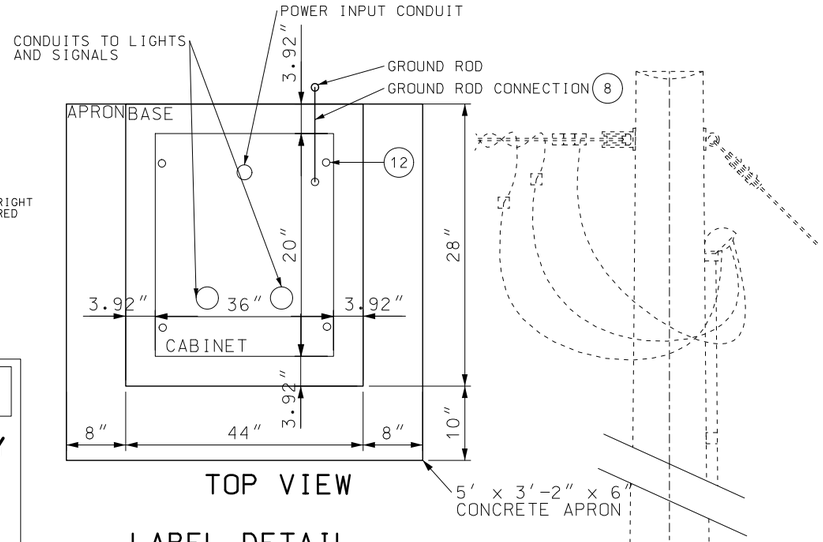
1. ALTERNATE CABINET DIMENSIONS WILL BE ALLOWED AS APPROVED BY THE ENGINEER. INTERIOR CABINET VOLUME SHALL BE EQUAL TO OR GREATER THAN THAT SHOWN ON PLANS AND PROPER CLEARANCES SHALL BE PROVIDED FOR ALL EQUIPMENT. CONCRETE BASE DIMENSIONS SHALL BE MODIFIED TO FIT THE CABINET SUPPLIER.
2. PLACEMENT OF 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 BID FOR 'PAD 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.



LABEL DETAIL
(13)

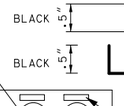


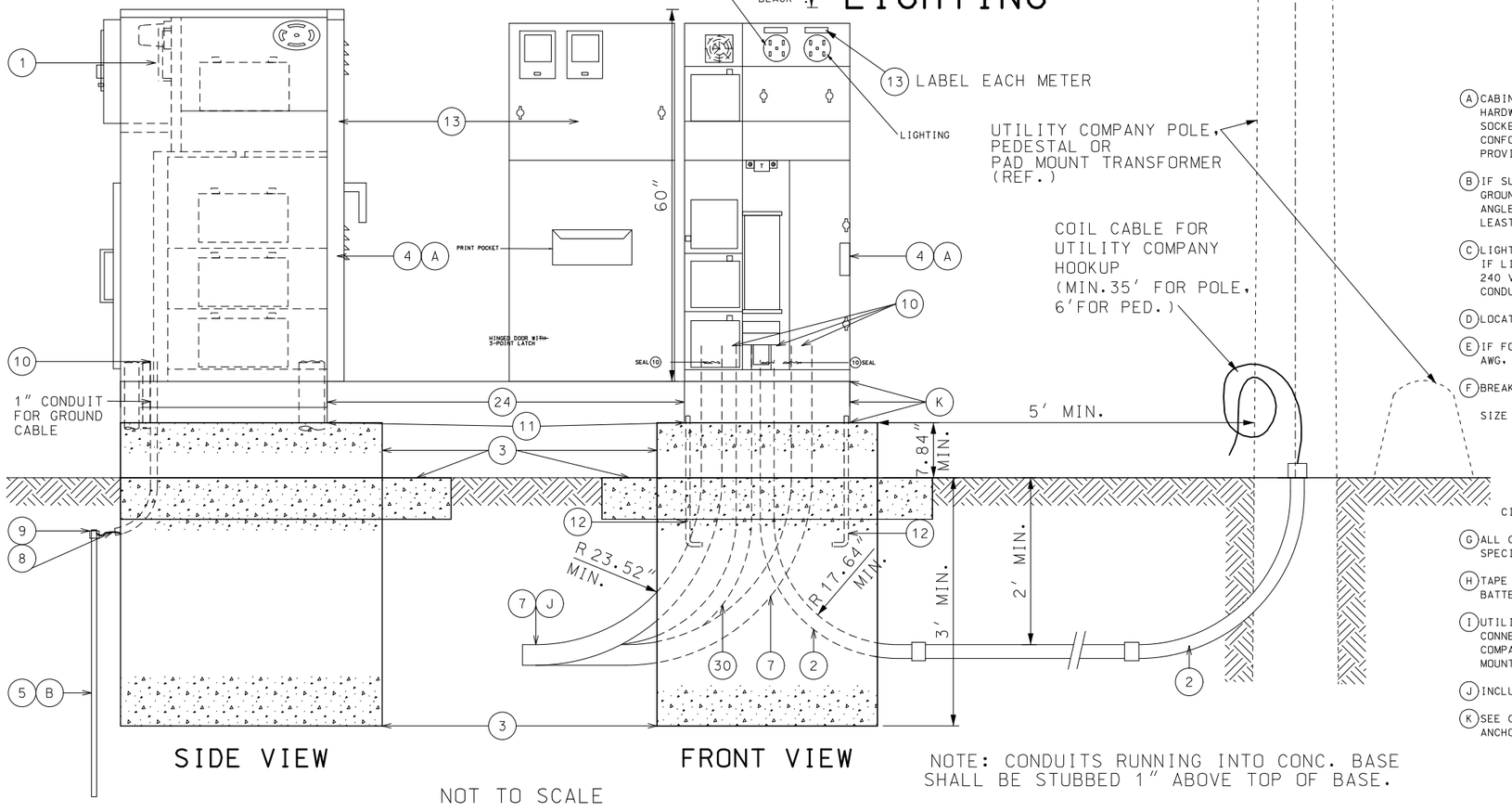
5" x 3 1/2" YELLOW LABEL
(UNDER SIGNAL METER ON LOWER DOOR)



TOP VIEW

LABEL DETAIL





SIDE VIEW

FRONT VIEW

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

NOT TO SCALE

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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 5E 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.

(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.

(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	-

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

(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 McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
Stuart McNeil
03/24/2026 3:41:15 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	83

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

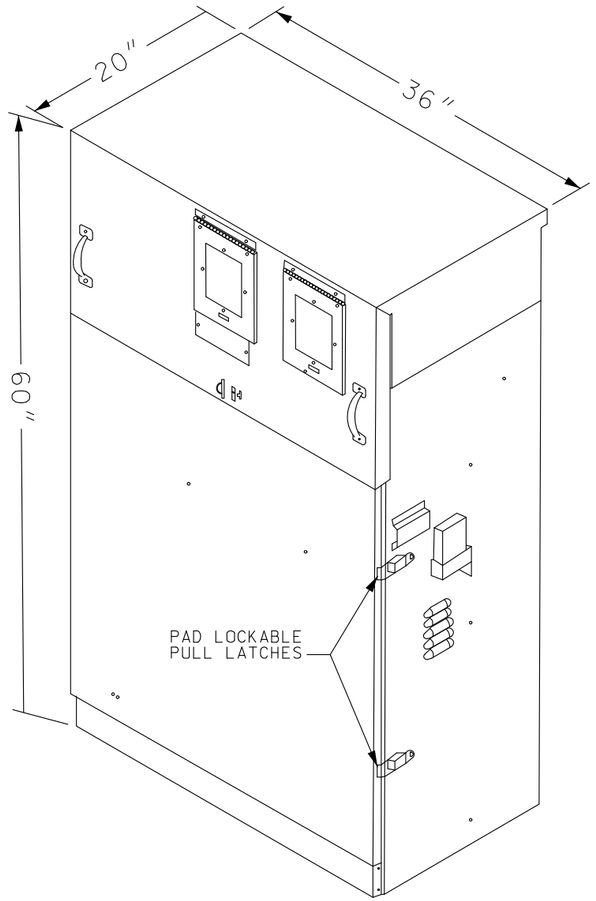
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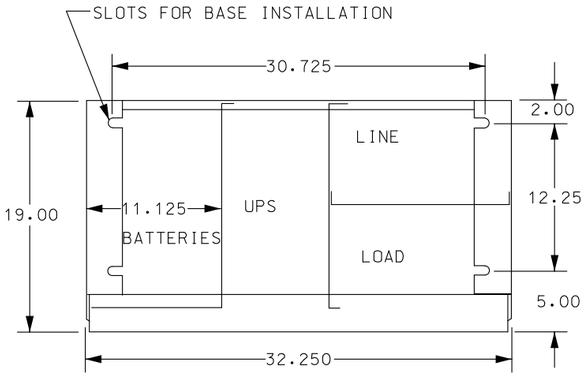
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGNAL PLANS
POWER SUPPLY WITH UPS
SHEET 1 OF 3

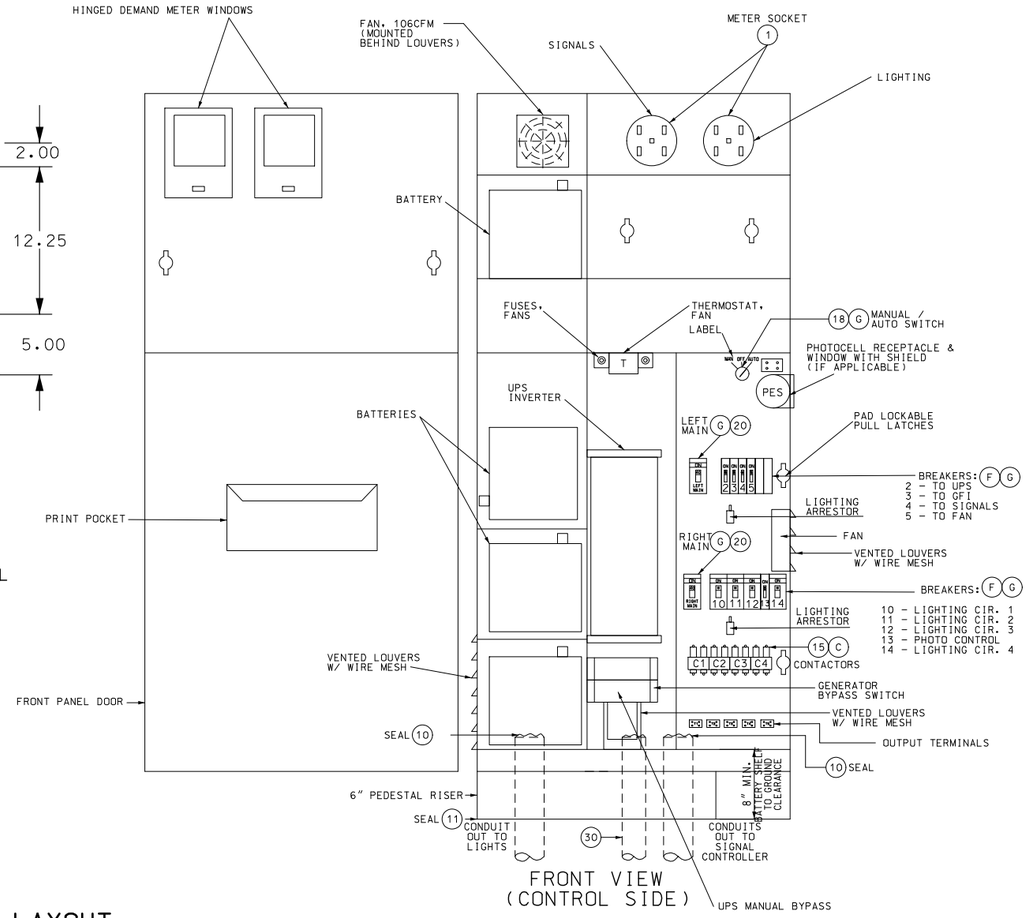




PEDESTAL PLAN VIEW
MOUNTING SLOT DETAIL

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



FRONT VIEW
(CONTROL SIDE)

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	26	30A GENERATOR MALE BASE
21	2-POLE, 15 AMP (MIN), TYPE A BREAKERS TO LIGHTING CIRCUITS *	27	INVERTER (1100VA MINIMUM)
22	1-POLE, 15 AMP (MIN.), TYPE A BREAKER TO SIGNALS *	28	1-POLE, 40 AMP, TYPE B UPS BREAKER
23	#2 AWG MIN., 600 V., POWER CABLE *	29	1-POLE, 15 AMP, TYPE B FAN BREAKER
24	6" PEDESTAL RISER	30	1 1/2" CONDUIT OUT TO SIGNAL CABINET (CAT 5E AND CONTROL WIRING)
25	12V GEL CELL BATTERIES IN SERIES (4 MINIMUM)	*	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.

(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.

(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	-

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

(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 McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:15:29 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	84

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

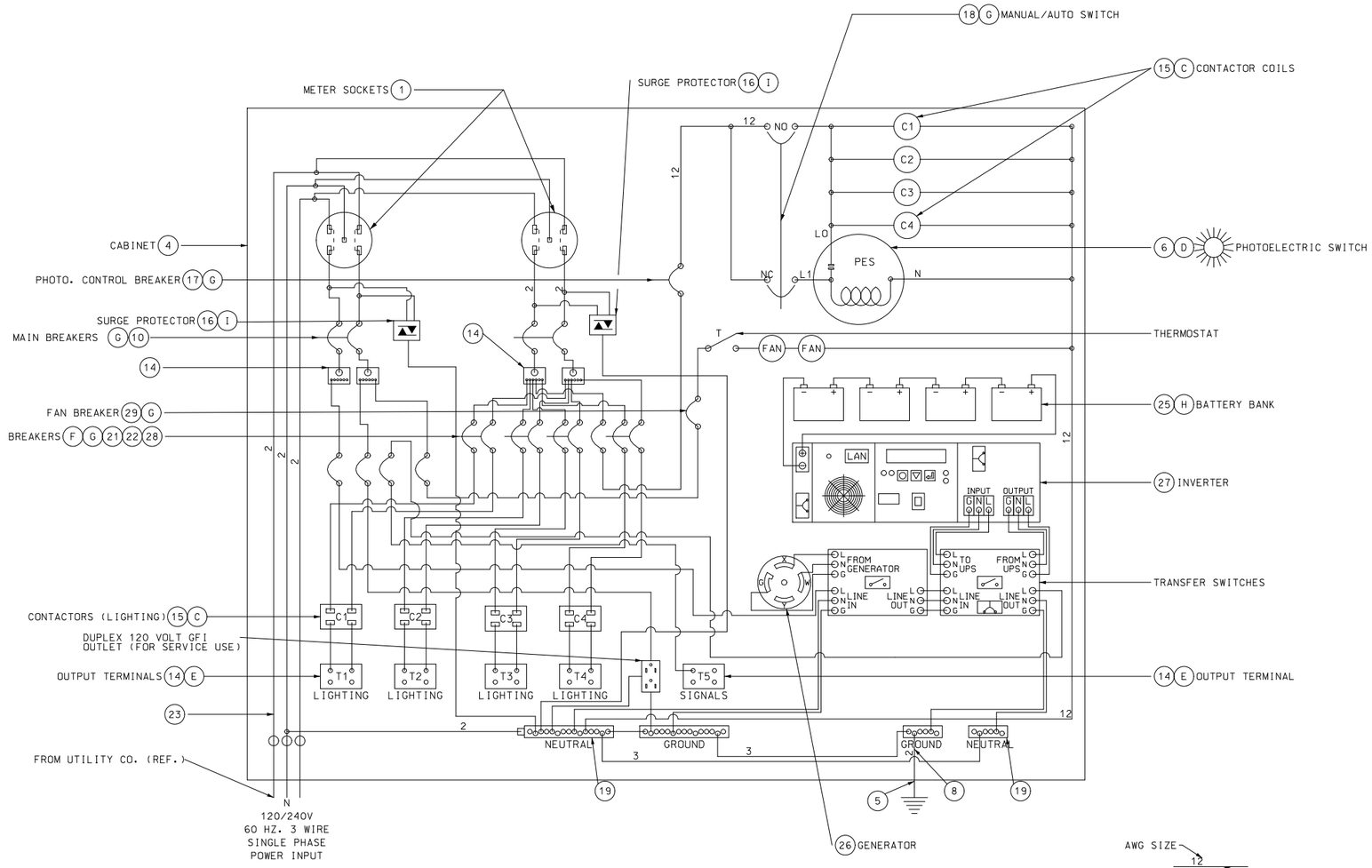
DESCRIPTION	DATE

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

SIGNAL PLANS
POWER SUPPLY WITH UPS
SHEET 2 OF 3

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.



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
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
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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 ½" CONDUIT OUT TO SIGNAL CABINET (CAT 5E AND CONTROL WIRING)
✳	SEE PLANS FOR SIZE

NOTES

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(K) SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:15:37 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	85

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

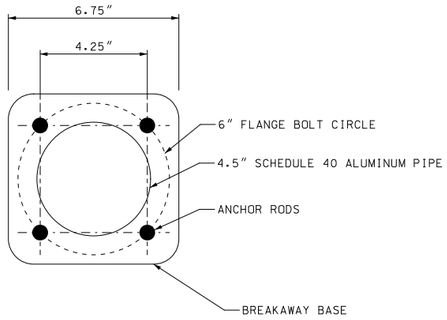
BRIDGE NO.

DESCRIPTION	DATE

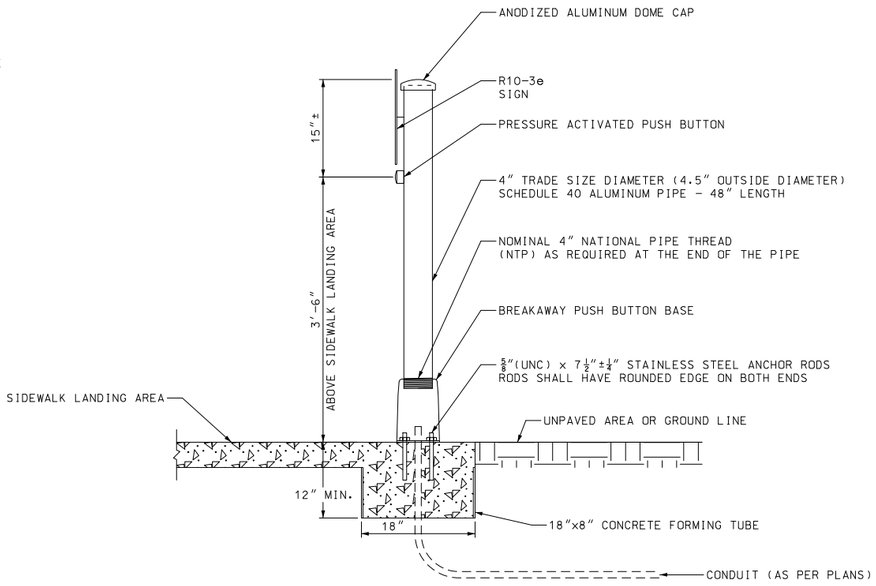
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGNAL PLANS
POWER SUPPLY WITH UPS
SHEET 3 OF 3



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.

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
05/10/2026 8:15:45 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	86

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

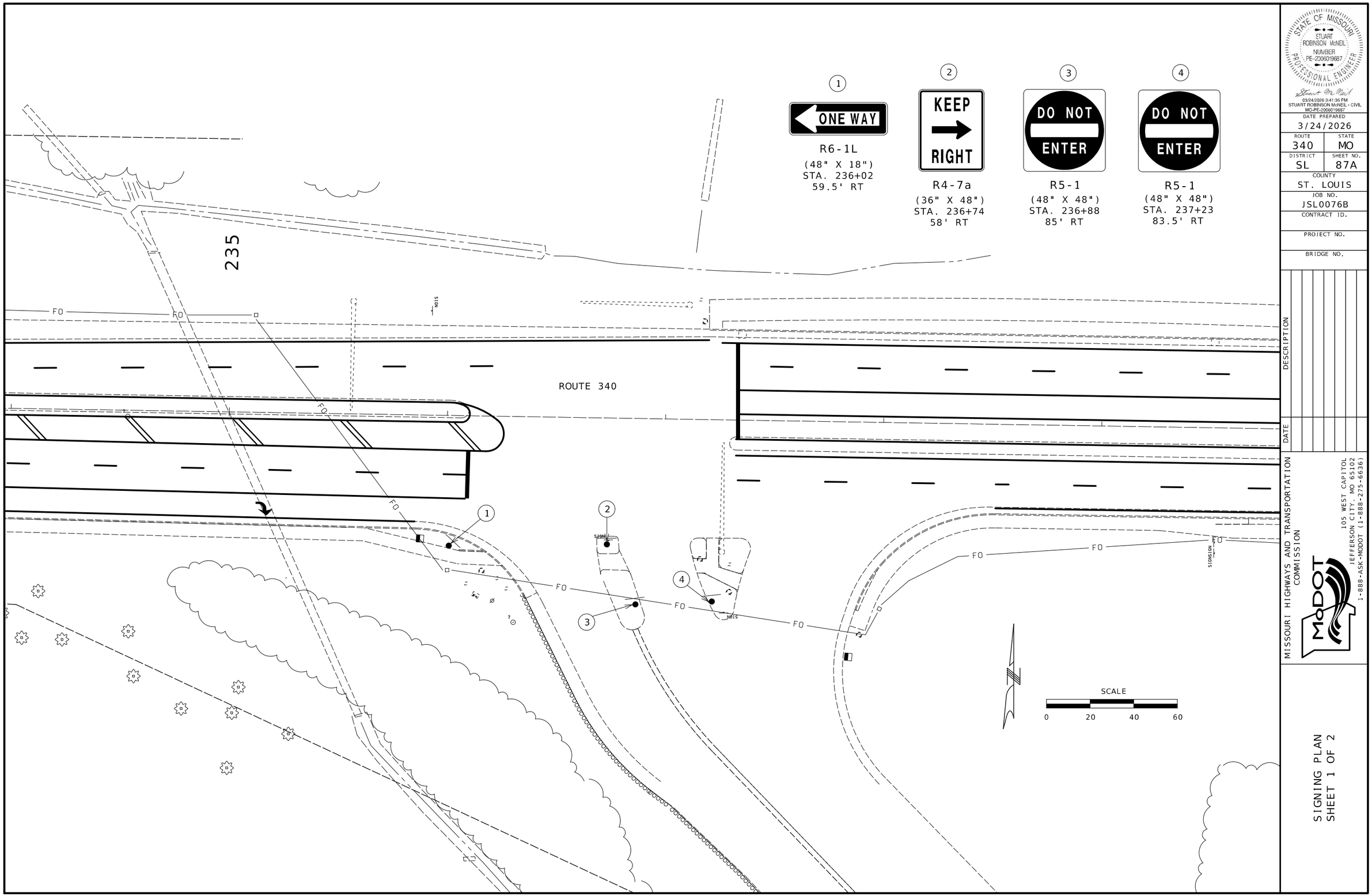
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

SIGNAL SHEET
PUSH BUTTON STANCHION



STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2009019687
PROFESSIONAL ENGINEER
03/24/2026 3:41:36 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2009019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	87A

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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 PLAN
SHEET 1 OF 2

LOT 49

LOT 12

LOT 50

ALLEY
20' WIDE

DARSTDALE NO.2
PB 23 PG 16
JANUARY 25, 1926
SURVEYED BY PITZMAN

160

N/F
John & Jewel Wanner
7554/1396

LOT 5 LOT 4 LOT 3 LOT 2 LOT 1

82ND STREET

82nd STREET

N/F
Pegasus Investments
22359/257

US-844(5)

STA. 160+43
4.3' LT

R3-2
(36" X 36")

ONE WAY

R6-2R
(24" X 30")

STA. 161+15
4.2' LT

R3-2
(36" X 36")

ONE WAY

R6-2R
(24" X 30")

SCALE
0 20 40 60

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/24/2026 3:41:45 PM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/24/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	87B

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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 PLAN
SHEET 2 OF 2

EFFECTIVE: 07-01-2024

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)							CONCRETE FOOTINGS EMBEDED	STRUCTURAL STEEL POSTS**						PIPE POSTS**					BACKING BARS***				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE												BREAK-AWAY ASSEMBLY	REMARKS AND OTHER REQUIRED ITEMS
																			2" X 3/8" BARS @ 2.55 LBS PER FT					2 IN. POST						2.5 IN. POST							
																								ANCHORS					ANCHORS							
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD.	LOCATION (ROUTE)	LT OR RT	SIGN DTL. SHT. NO.	ITEM NO. 9031010	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO. 9031210	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	NO. EACH	LGTH	TOTAL	NO.	ITEM NO. 9031250A	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	ITEM NO. 9031241	
							CY		LF	LF	LF		LBS	IN.	LF	LF		LBS	EACH	IN.	LF	NO. LBS	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	EA	EA	EA	EA	
1	48X18	236+02		ROUTE 340	RT		0.13							2.5	12.75		5.79	73.8																			
2	36X48	236+74		ROUTE 340	RT		0.13							2.5	15.25		5.79	88.3																			
3	48X48	236+88		ROUTE 340	RT		0.13							2.5	15.25		5.79	88.3																			
4	48X48	237+23		ROUTE 340	RT		0.13							2.5	15.25		5.79	88.3																			
5	36X36,24X30	160+43		ROUTE 340	LT		0.13							2.5	13.00		5.79	75.3																			
6	36X36,24X30	161+15		ROUTE 340	LT		0.13							2.5	13.00		5.79	75.3																			
		152+89		ROUTE 340	LT																					1										SEE PLAN SHEET 14
		153+49		ROUTE 340	LT																					1										SEE PLAN SHEET 14
TOTALS							0.8						0					490				0		0	2	0	0		0	0	0	0	0		

*PROJECT LM BASED ON EB DIRECTION

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

ROUND PIPE POST AND FOOTING DATA TABLE

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

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

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

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
Stuart McNeil
03/10/2026 8:31:41 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/6/2026
ROUTE: 340 | STATE: MO
DISTRICT: SL | SHEET NO.: 88
COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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)

D-29

STANDARD SIGN ASSEMBLIES

SIGN NO.	STATION OR LOG MILE	LOCATION	SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH																			
			SH R5-1  R5-1 48"X48"	SH R6-1L  R6-1L 48"X18"	SH R4-7A  R4-7a 36"X48"	 R3-2 36"X36"	 R6-2R 24"X30"													
1	236+02	340- LT		1																		
2	236+74	340- LT			1																	
3	236+88	340- LT	1																			
4	237+23	340- LT	1																			
5	160+43	340- LT				1	1															
6	161+15	340- LT				1	1															
TOTALS			1	1	2																	

SIGN SUMMARY

EFFECTIVE: 10-01-2016

STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE (SQ FT)	TYPE & SQUARE FEET			
				FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A
R6-1L 48"X18"		1	6	6			
R4-7A 36"X48"		1	12	12			
R5-1 48"X48"		2	16	32			
R3-2 36"X36"		2	9	18			
R6-2R 24"X30"		2	5	10			
TOTALS				78			

*ORANGE, YELLOW AND YELLOW-GREEN

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:31:53 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/6/2026

ROUTE	STATE
340	MO

DISTRICT	SHEET NO.
SL	89

COUNTY: ST. LOUIS

JOB NO.: JSL0076B

CONTRACT ID.:

PROJECT NO.:

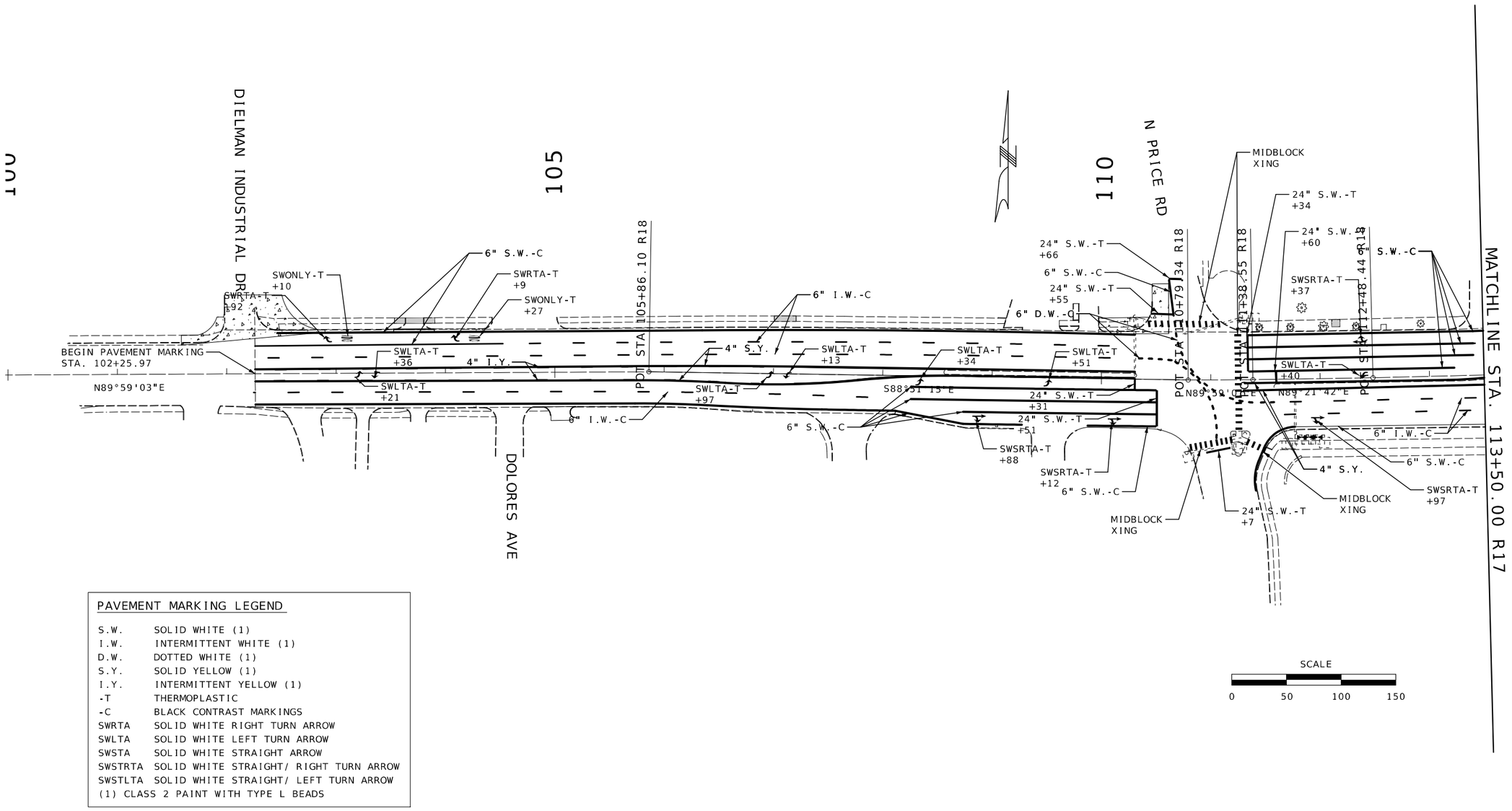
BRIDGE NO.:

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

D-30



PAVEMENT MARKING LEGEND

S.W.	SOLID WHITE (1)
I.W.	INTERMITTENT WHITE (1)
D.W.	DOTTED WHITE (1)
S.Y.	SOLID YELLOW (1)
I.Y.	INTERMITTENT YELLOW (1)
-T	THERMOPLASTIC
-C	BLACK CONTRAST MARKINGS
SWRTA	SOLID WHITE RIGHT TURN ARROW
SWLTA	SOLID WHITE LEFT TURN ARROW
SWSTA	SOLID WHITE STRAIGHT ARROW
SWSTRTA	SOLID WHITE STRAIGHT/ RIGHT TURN ARROW
SWSTLTA	SOLID WHITE STRAIGHT/ LEFT TURN ARROW

(1) CLASS 2 PAINT WITH TYPE L BEADS

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:32:06 AM
STUART ROBINSON McNEIL · CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	90

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

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DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING SHEET
SHEET 1 OF 14

PAVEMENT MARKING LEGEND

S.W.	SOLID WHITE (1)
I.W.	INTERMITTENT WHITE (1)
D.W.	DOTTED WHITE (1)
S.Y.	SOLID YELLOW (1)
I.Y.	INTERMITTENT YELLOW (1)
-T	THERMOPLASTIC
-C	BLACK CONTRAST MARKINGS
SWRTA	SOLID WHITE RIGHT TURN ARROW
SWLTA	SOLID WHITE LEFT TURN ARROW
SWSTA	SOLID WHITE STRAIGHT ARROW
SWSTRTA	SOLID WHITE STRAIGHT/ RIGHT TURN ARROW
SWSTLTA	SOLID WHITE STRAIGHT/ LEFT TURN ARROW

(1) CLASS 2 PAINT WITH TYPE L BEADS

SCALE

0 50 100 150

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:32:18 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	91

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

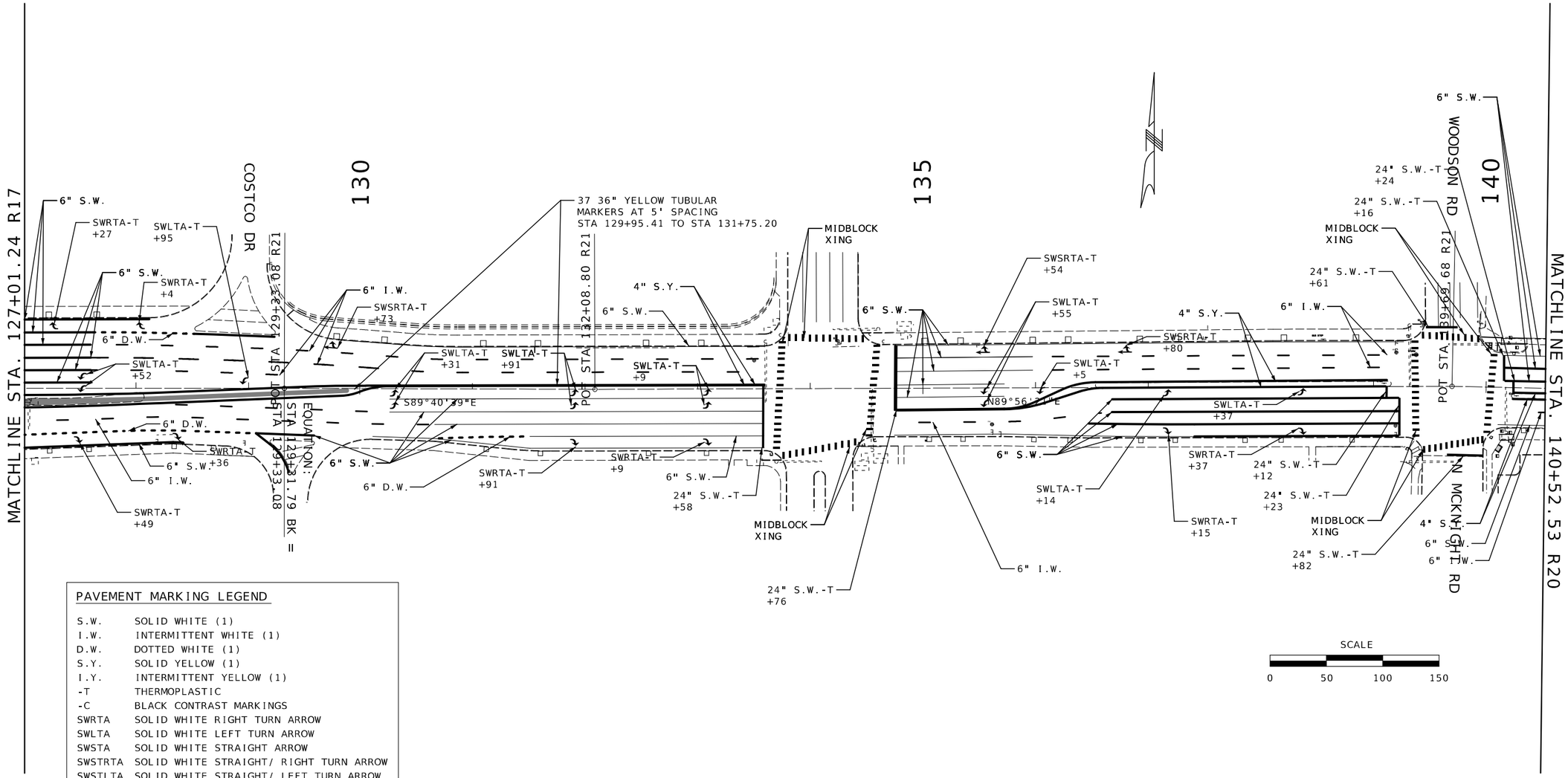
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

PAVEMENT MARKING SHEET
SHEET 2 OF 14



PAVEMENT MARKING LEGEND

S.W.	SOLID WHITE (1)
I.W.	INTERMITTENT WHITE (1)
D.W.	DOTTED WHITE (1)
S.Y.	SOLID YELLOW (1)
I.Y.	INTERMITTENT YELLOW (1)
-T	THERMOPLASTIC
-C	BLACK CONTRAST MARKINGS
SWRTA	SOLID WHITE RIGHT TURN ARROW
SWLTA	SOLID WHITE LEFT TURN ARROW
SWSTA	SOLID WHITE STRAIGHT ARROW
SWSTRTA	SOLID WHITE STRAIGHT/ RIGHT TURN ARROW
SWSTLTA	SOLID WHITE STRAIGHT/ LEFT TURN ARROW

(1) CLASS 2 PAINT WITH TYPE L BEADS

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:32:54 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	92

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

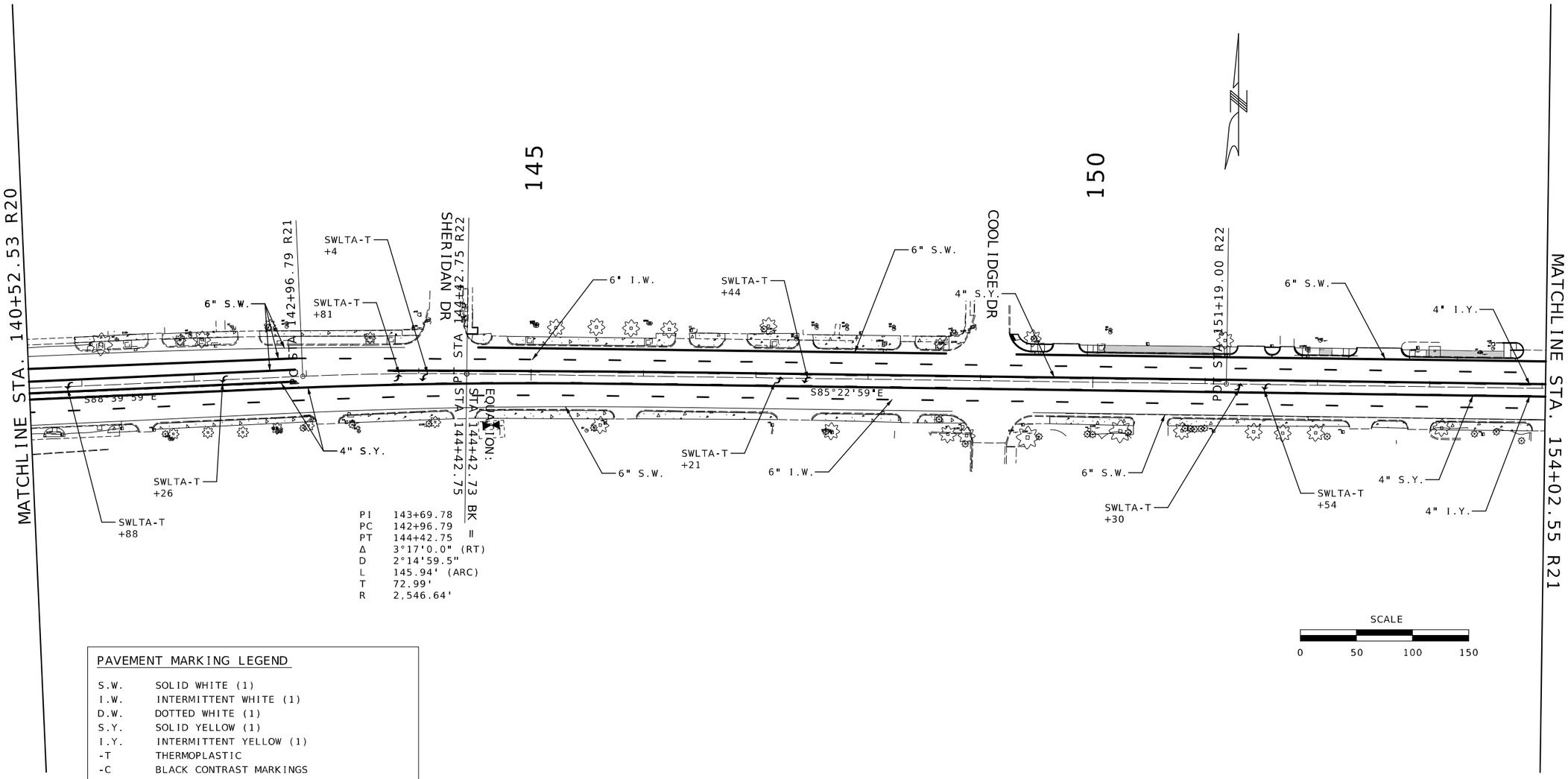
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

PAVEMENT MARKING SHEET
SHEET 3 OF 14



PAVEMENT MARKING LEGEND

S.W.	SOLID WHITE (1)
I.W.	INTERMITTENT WHITE (1)
D.W.	DOTTED WHITE (1)
S.Y.	SOLID YELLOW (1)
I.Y.	INTERMITTENT YELLOW (1)
-T	THERMOPLASTIC
-C	BLACK CONTRAST MARKINGS
SWRTA	SOLID WHITE RIGHT TURN ARROW
SWLTA	SOLID WHITE LEFT TURN ARROW
SWSTA	SOLID WHITE STRAIGHT ARROW
SWSTRTA	SOLID WHITE STRAIGHT/ RIGHT TURN ARROW
SWSTLTA	SOLID WHITE STRAIGHT/ LEFT TURN ARROW

(1) CLASS 2 PAINT WITH TYPE L BEADS

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:33:04 AM
STUART ROBINSON McNEIL · CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	93

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

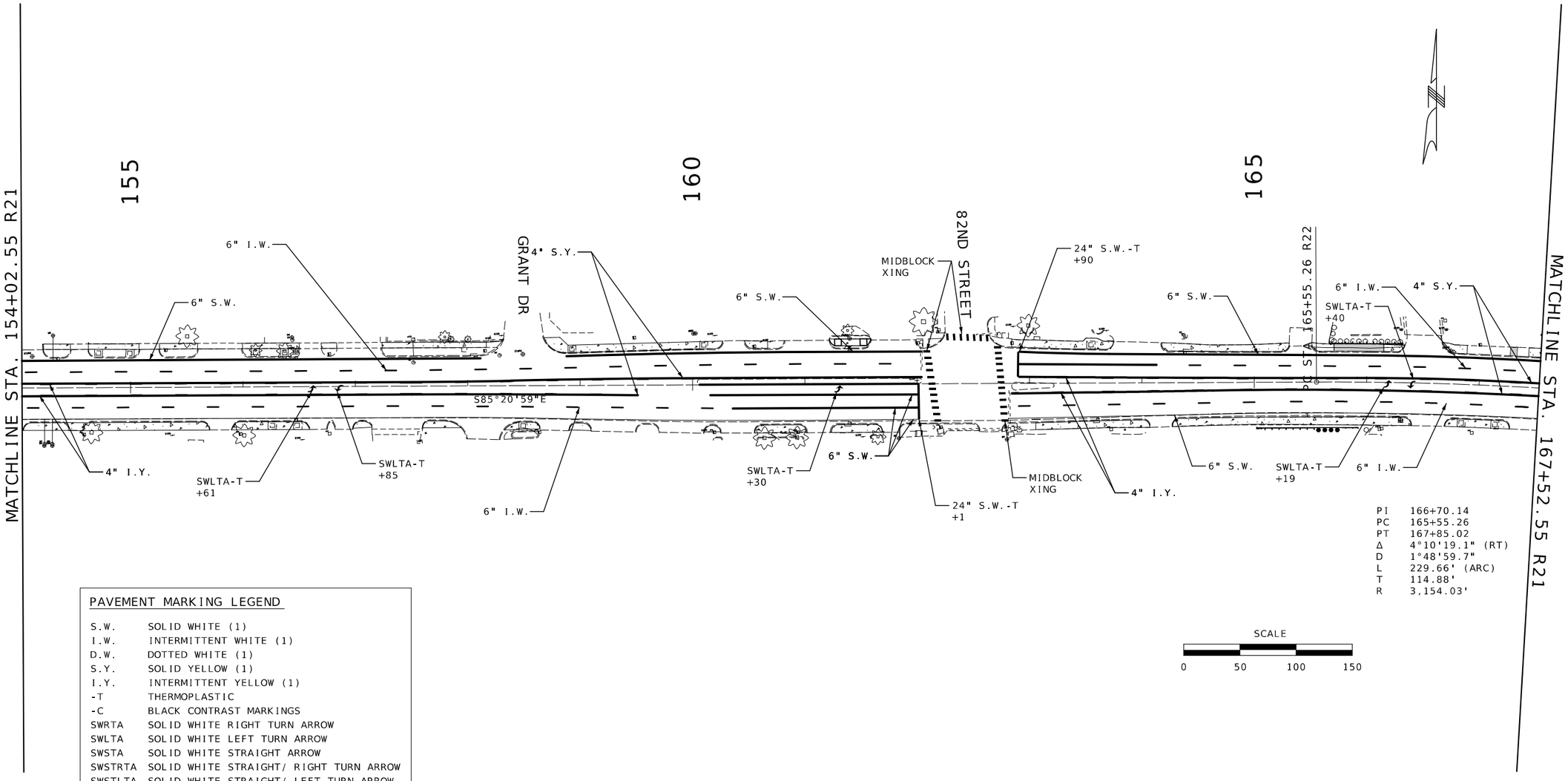
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING SHEET
SHEET 4 OF 14



PI 166+70.14
PC 165+55.26
PT 167+85.02
Δ 4°10'19.1" (RT)
D 1°48'59.7"
L 229.66' (ARC)
T 114.88'
R 3,154.03'

SCALE
0 50 100 150

PAVEMENT MARKING LEGEND

S.W.	SOLID WHITE (1)
I.W.	INTERMITTENT WHITE (1)
D.W.	DOTTED WHITE (1)
S.Y.	SOLID YELLOW (1)
I.Y.	INTERMITTENT YELLOW (1)
-T	THERMOPLASTIC
-C	BLACK CONTRAST MARKINGS
SWRTA	SOLID WHITE RIGHT TURN ARROW
SWLTA	SOLID WHITE LEFT TURN ARROW
SWSTA	SOLID WHITE STRAIGHT ARROW
SWSTRTA	SOLID WHITE STRAIGHT/ RIGHT TURN ARROW
SWSTLTA	SOLID WHITE STRAIGHT/ LEFT TURN ARROW

(1) CLASS 2 PAINT WITH TYPE L BEADS

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:35:36 AM
STUART ROBINSON McNEIL · CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	94

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

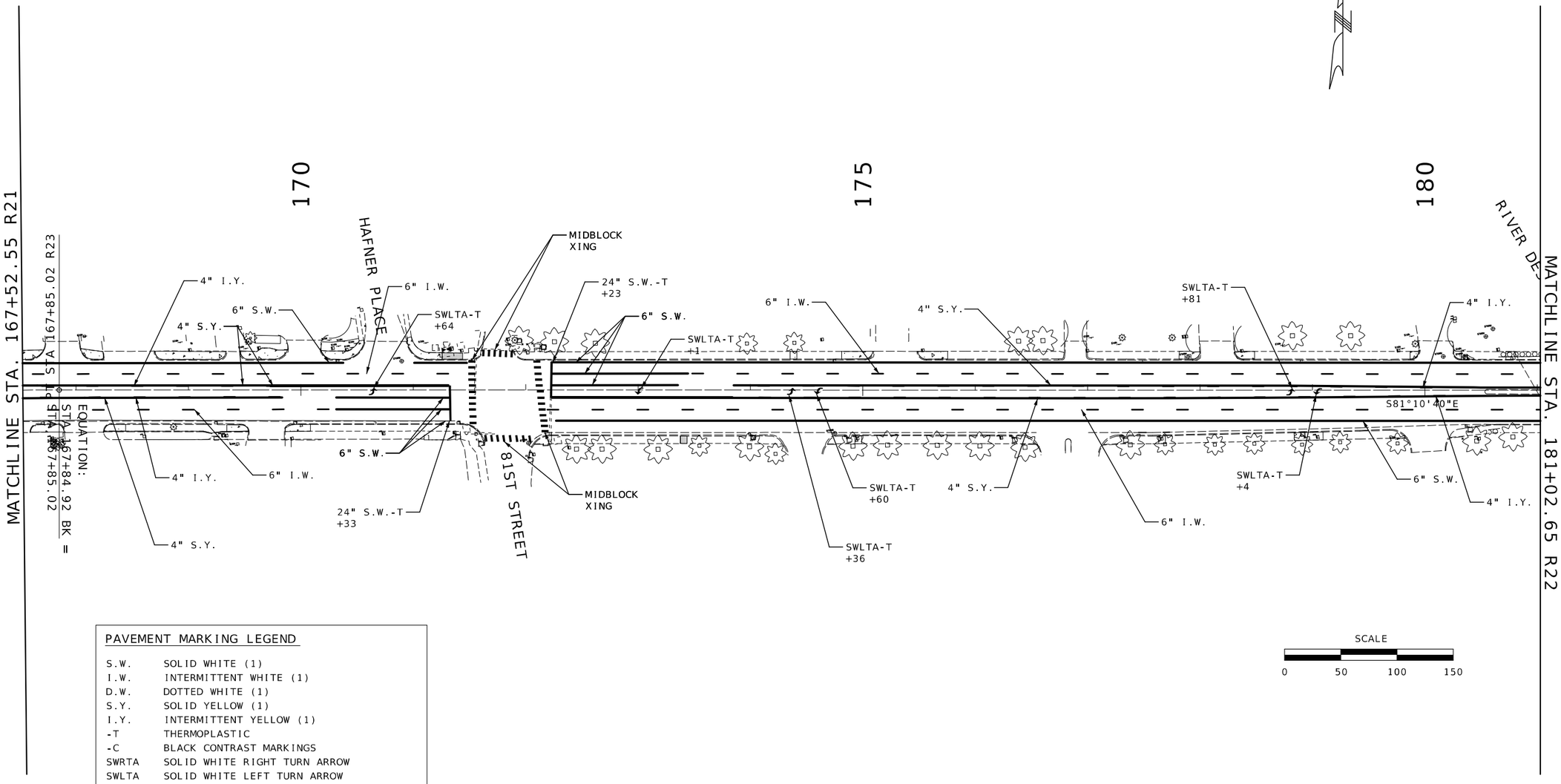
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

PAVEMENT MARKING SHEET
SHEET 5 OF 14



SCALE

0 50 100 150

PAVEMENT MARKING LEGEND

S.W.	SOLID WHITE (1)
I.W.	INTERMITTENT WHITE (1)
D.W.	DOTTED WHITE (1)
S.Y.	SOLID YELLOW (1)
I.Y.	INTERMITTENT YELLOW (1)
-T	THERMOPLASTIC
-C	BLACK CONTRAST MARKINGS
SWRTA	SOLID WHITE RIGHT TURN ARROW
SWLTA	SOLID WHITE LEFT TURN ARROW
SWSTA	SOLID WHITE STRAIGHT ARROW
SWSTRTA	SOLID WHITE STRAIGHT/ RIGHT TURN ARROW
SWSTLTA	SOLID WHITE STRAIGHT/ LEFT TURN ARROW

(1) CLASS 2 PAINT WITH TYPE L BEADS

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

03/10/2026 8:35:50 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	95

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

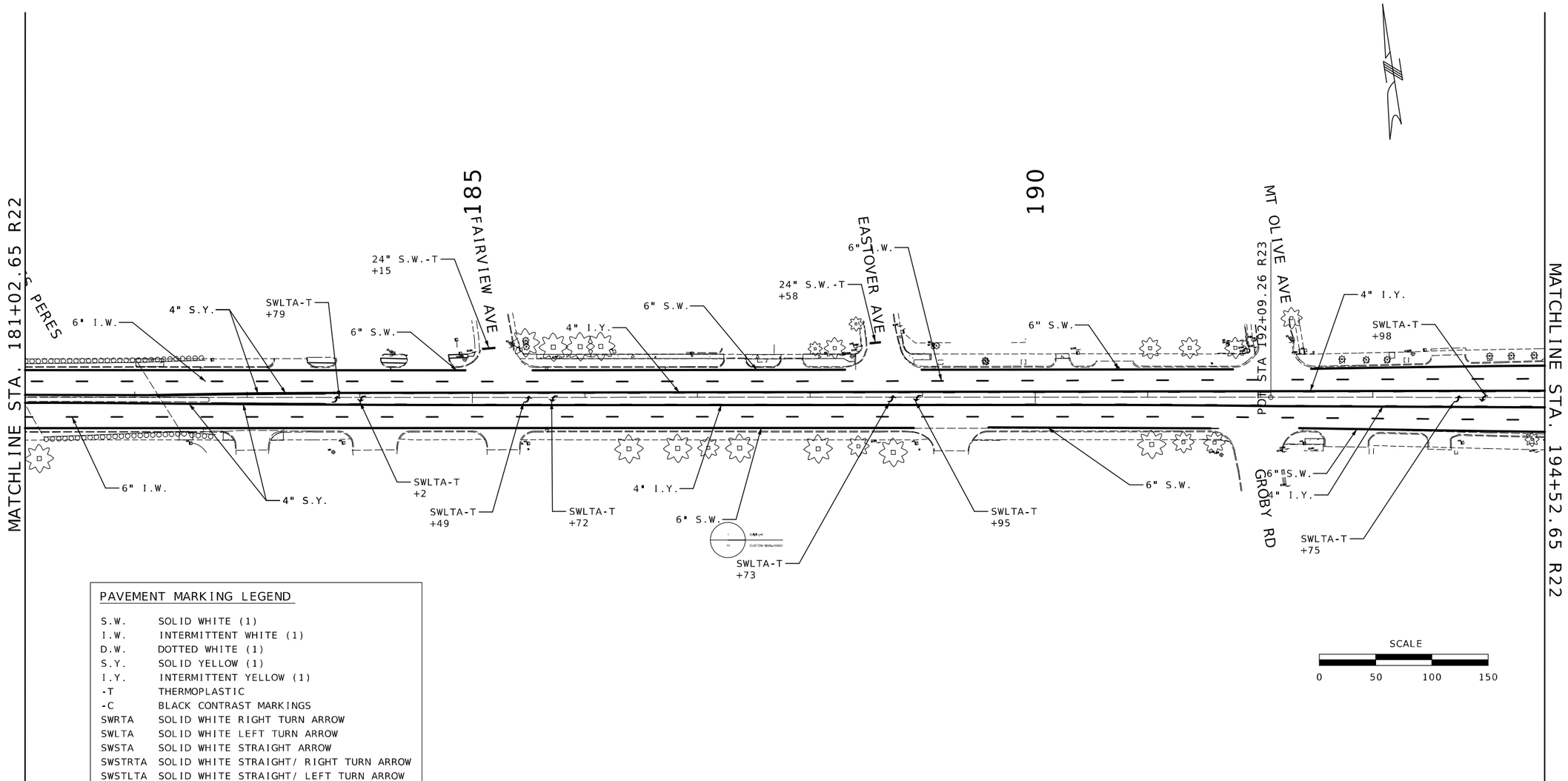
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING SHEET
SHEET 6 OF 14



PAVEMENT MARKING LEGEND

S.W.	SOLID WHITE (1)
I.W.	INTERMITTENT WHITE (1)
D.W.	DOTTED WHITE (1)
S.Y.	SOLID YELLOW (1)
I.Y.	INTERMITTENT YELLOW (1)
-T	THERMOPLASTIC
-C	BLACK CONTRAST MARKINGS
SWRTA	SOLID WHITE RIGHT TURN ARROW
SWLTA	SOLID WHITE LEFT TURN ARROW
SWSTA	SOLID WHITE STRAIGHT ARROW
SWSTRTA	SOLID WHITE STRAIGHT/ RIGHT TURN ARROW
SWSTLTA	SOLID WHITE STRAIGHT/ LEFT TURN ARROW

(1) CLASS 2 PAINT WITH TYPE L BEADS

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:35:59 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	96

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

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)

PAVEMENT MARKING SHEET
SHEET 7 OF 14

MATCHLINE STA. 194+52.65 R22

195

4" S.Y.
6" S.W.
4" I.Y.
6" I.W.

S81°07'40"E

6" I.W.
6" S.W.
4" S.Y.
4" I.Y.

NORTH AND SOUTH RD

200

PC STA 199+04.57 R23

PI 200+00.00
PC 199+04.57
PT 200+95.40
Δ 2°51'44.5" (LT)
D 1°29'59.8"
L 190.83' (ARC)
T 95.43'
R 3,819.83'

PT STA 200+95.40 R23

PC STA 201+64.86 R23

6" S.W.
4" I.Y.
4" S.Y.

S83°59'25"E

S.Y.

4" I.Y.

6" S.W.

REMLEY CT

PI 202+60.29
PC 201+64.86
PT 203+55.43
Δ 2°51'44.5" (RT)
D 1°29'59.8"
L 190.83' (ARC)
T 95.43'
R 3,819.83'

PT STA 203+55.43 R24

EQUATION:
STA 203+55.69 BK =
STA 203+55.43

205

SWLTA-T +75

4" I.W.

S81°07'40"E

SWLTA-T +53

4" I.W.

MATCHLINE STA. 208+02.39 R23

PAVEMENT MARKING LEGEND

S.W.	SOLID WHITE (1)
I.W.	INTERMITTENT WHITE (1)
D.W.	DOTTED WHITE (1)
S.Y.	SOLID YELLOW (1)
I.Y.	INTERMITTENT YELLOW (1)
-T	THERMOPLASTIC
-C	BLACK CONTRAST MARKINGS
SWRTA	SOLID WHITE RIGHT TURN ARROW
SWLTA	SOLID WHITE LEFT TURN ARROW
SWSTA	SOLID WHITE STRAIGHT ARROW
SWSTRTA	SOLID WHITE STRAIGHT/ RIGHT TURN ARROW
SWSTLTA	SOLID WHITE STRAIGHT/ LEFT TURN ARROW

(1) CLASS 2 PAINT WITH TYPE L BEADS

SCALE
0 50 100 150

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:36:10 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	97

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

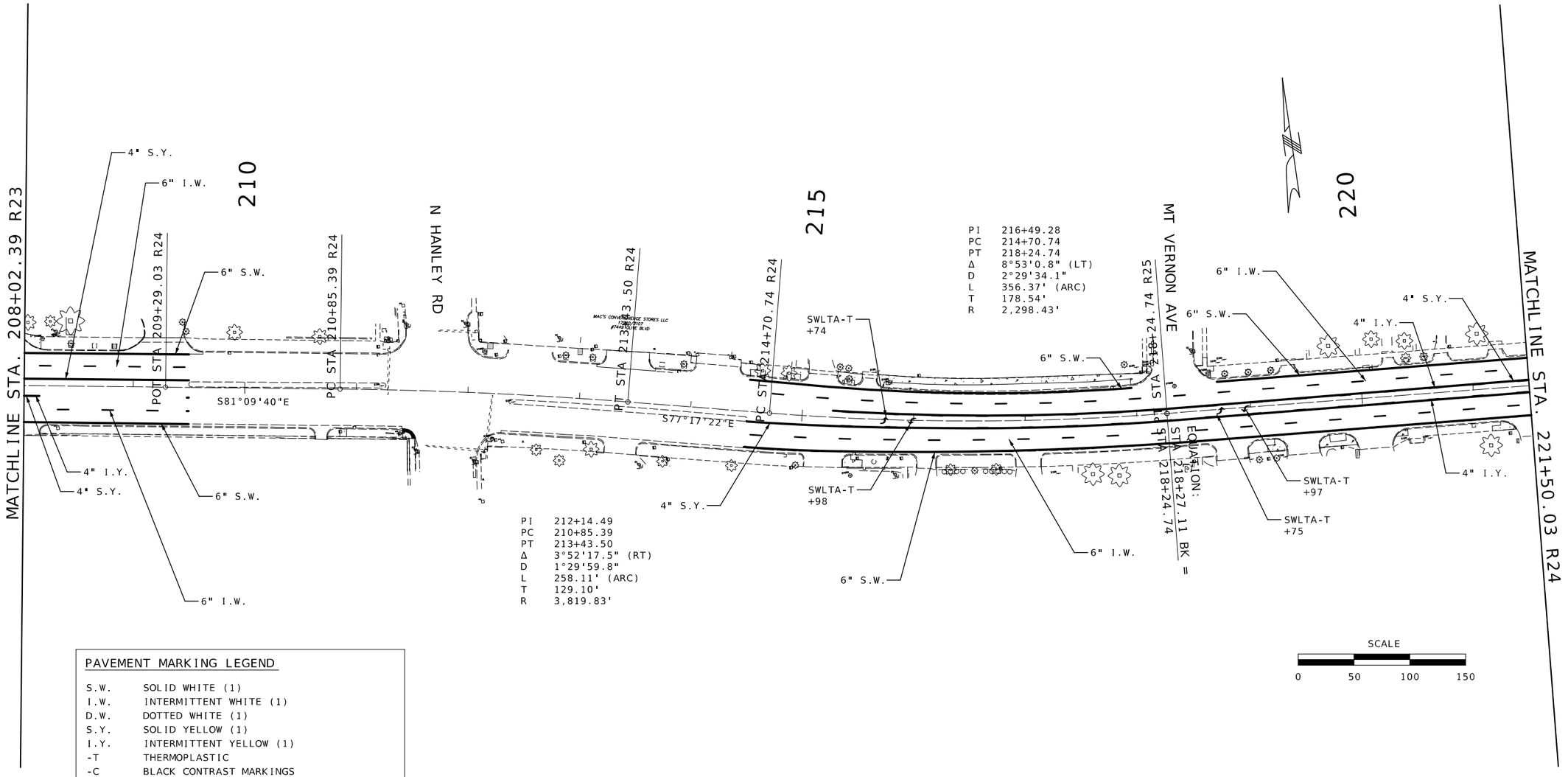
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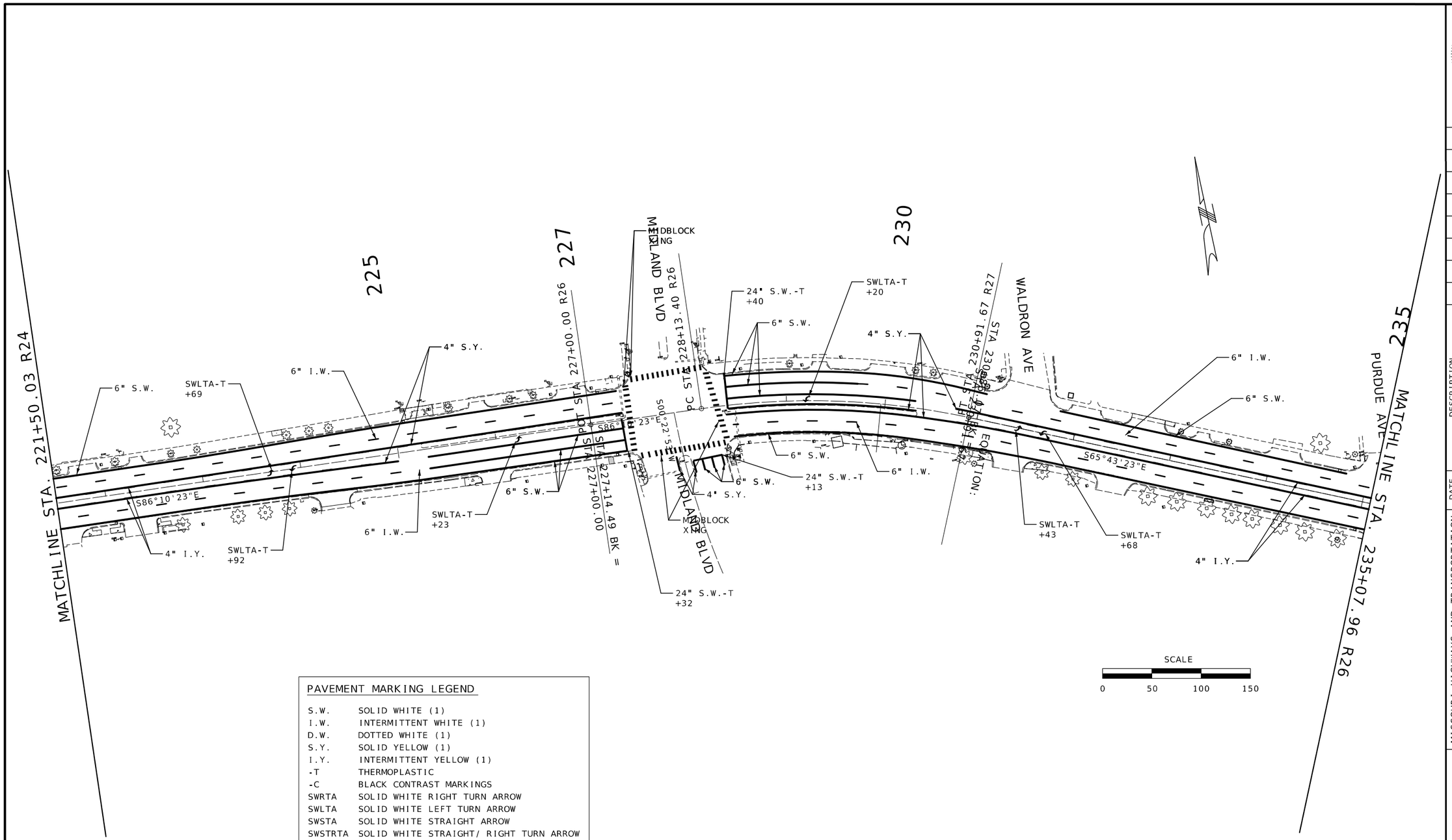
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING SHEET
SHEET 8 OF 14


MATCHLINE STA. 208+02.39 R23
210
215
220
MATCHLINE STA. 221+50.03 R24
N HANLEY RD
MT VERNON AVE
POT STA 209+29.03 R24
PC STA 210+85.39 R24
PT STA 213+43.50 R24
PC STA 214+70.74 R24
PT STA 218+24.74 R25
EQUATION: STA 218+27.11 BK = STA 218+24.74
S81°09'40"E
S77°17'22"E
4" S.Y.
6" I.W.
6" S.W.
4" I.Y.
SWLTA-T +74
SWLTA-T +98
SWLTA-T +97
SWLTA-T +75
MAC'S CONVENIENCE STORES LLC 7300/1007 #7447 3 LANE 6 DISPENSER 4 FUELING POSITIONS 8 FUELING POSITIONS 2 FUELING POSITIONS 1 FUELING POSITIONS 1 FUELING POSITIONS 1



SCALE

0 50 100 150

PAVEMENT MARKING LEGEND

S.W.	SOLID WHITE (1)
I.W.	INTERMITTENT WHITE (1)
D.W.	DOTTED WHITE (1)
S.Y.	SOLID YELLOW (1)
I.Y.	INTERMITTENT YELLOW (1)
-T	THERMOPLASTIC
-C	BLACK CONTRAST MARKINGS
SWRTA	SOLID WHITE RIGHT TURN ARROW
SWLTA	SOLID WHITE LEFT TURN ARROW
SWSTA	SOLID WHITE STRAIGHT ARROW
SWSTRTA	SOLID WHITE STRAIGHT/ RIGHT TURN ARROW
SWSTLTA	SOLID WHITE STRAIGHT/ LEFT TURN ARROW

(1) CLASS 2 PAINT WITH TYPE L BEADS

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:36:25 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	99

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

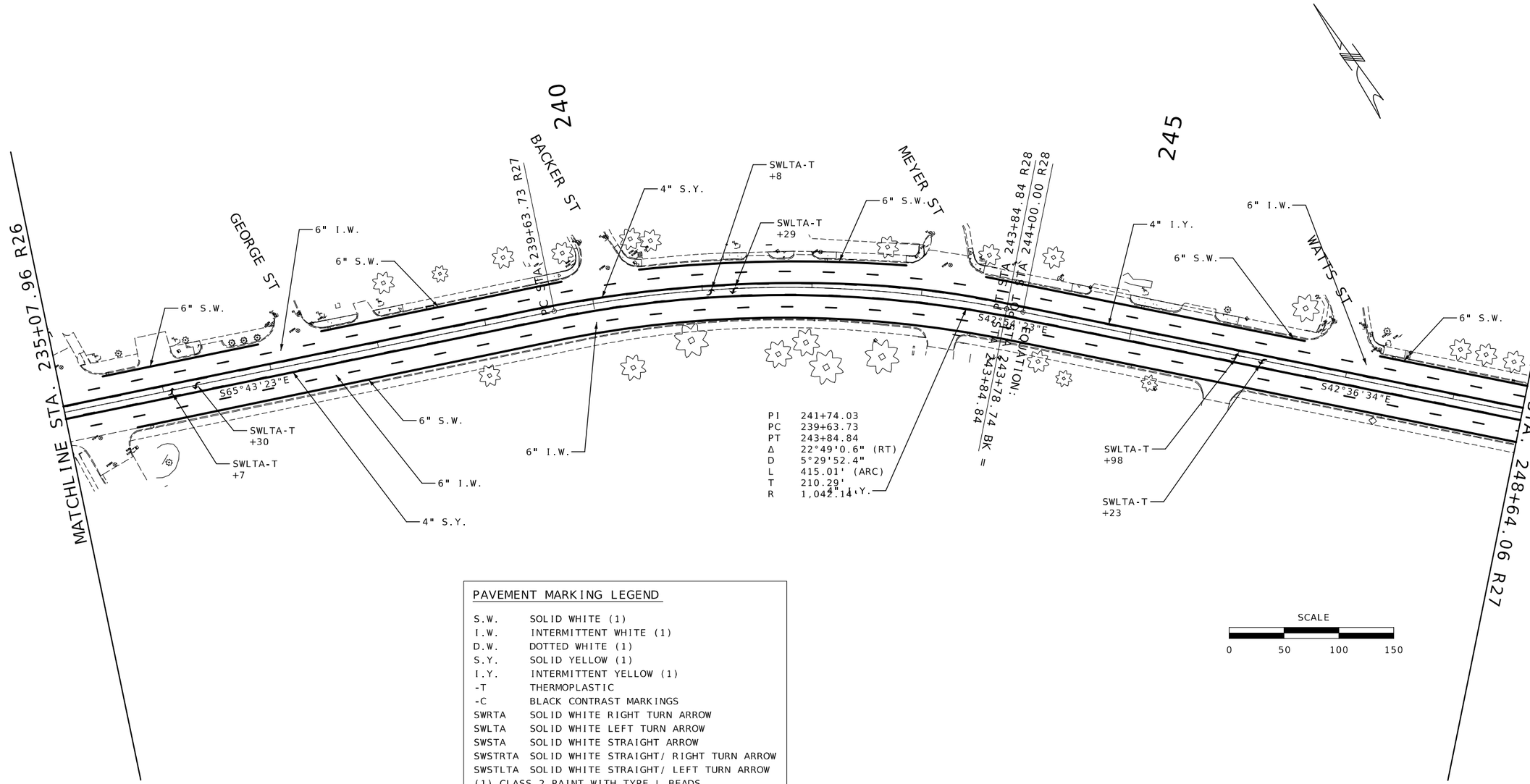
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING SHEET
SHEET 10 OF 14



PAVEMENT MARKING LEGEND

S.W.	SOLID WHITE (1)
I.W.	INTERMITTENT WHITE (1)
D.W.	DOTTED WHITE (1)
S.Y.	SOLID YELLOW (1)
I.Y.	INTERMITTENT YELLOW (1)
-T	THERMOPLASTIC
-C	BLACK CONTRAST MARKINGS
SWRTA	SOLID WHITE RIGHT TURN ARROW
SWLTA	SOLID WHITE LEFT TURN ARROW
SWSTA	SOLID WHITE STRAIGHT ARROW
SWSTRTA	SOLID WHITE STRAIGHT/ RIGHT TURN ARROW
SWSTLTA	SOLID WHITE STRAIGHT/ LEFT TURN ARROW

(1) CLASS 2 PAINT WITH TYPE L BEADS

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:36:33 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/6/2026

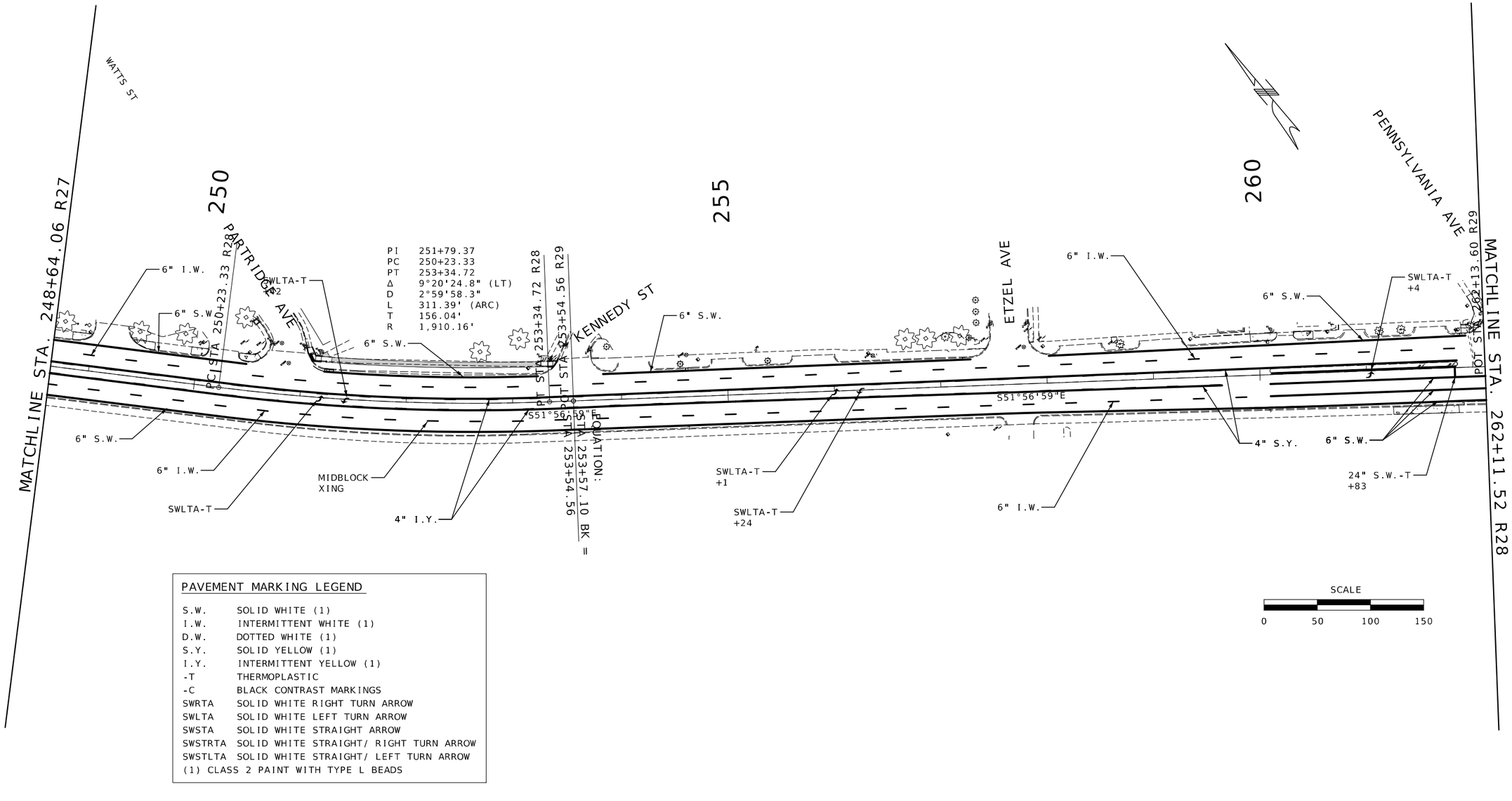
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	100

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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

PAVEMENT MARKING SHEET
SHEET 11 OF 14



PAVEMENT MARKING LEGEND

S.W.	SOLID WHITE (1)
I.W.	INTERMITTENT WHITE (1)
D.W.	DOTTED WHITE (1)
S.Y.	SOLID YELLOW (1)
I.Y.	INTERMITTENT YELLOW (1)
-T	THERMOPLASTIC
-C	BLACK CONTRAST MARKINGS
SWRTA	SOLID WHITE RIGHT TURN ARROW
SWLTA	SOLID WHITE LEFT TURN ARROW
SWSTA	SOLID WHITE STRAIGHT ARROW
SWSTRTA	SOLID WHITE STRAIGHT/ RIGHT TURN ARROW
SWSTLTA	SOLID WHITE STRAIGHT/ LEFT TURN ARROW

(1) CLASS 2 PAINT WITH TYPE L BEADS

SCALE
0 50 100 150

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:36:41 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	101

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

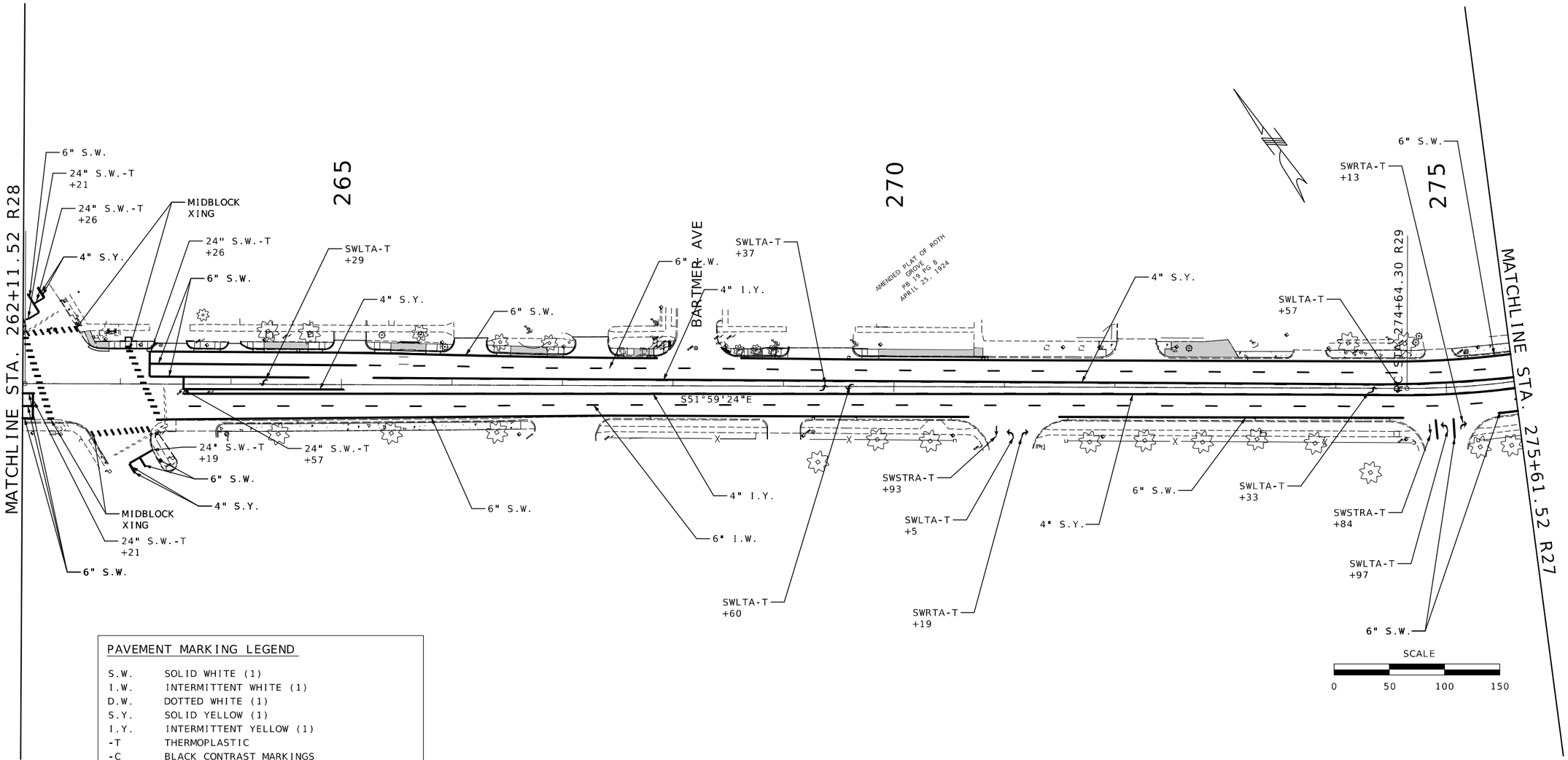
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING SHEET
SHEET 12 OF 14



PAVEMENT MARKING LEGEND

S.W.	SOLID WHITE (1)
I.W.	INTERMITTENT WHITE (1)
D.W.	DOTTED WHITE (1)
S.Y.	SOLID YELLOW (1)
I.Y.	INTERMITTENT YELLOW (1)
-T	THERMOPLASTIC
-C	BLACK CONTRAST MARKINGS
SWRTA	SOLID WHITE RIGHT TURN ARROW
SWLTA	SOLID WHITE LEFT TURN ARROW
SWSTA	SOLID WHITE STRAIGHT ARROW
SWSTRTA	SOLID WHITE STRAIGHT/ RIGHT TURN ARROW
SWSTLTA	SOLID WHITE STRAIGHT/ LEFT TURN ARROW

(1) CLASS 2 PAINT WITH TYPE L BEADS

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

03/10/2026 8:36:50 AM
STUART ROBINSON McNEIL · CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	102

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

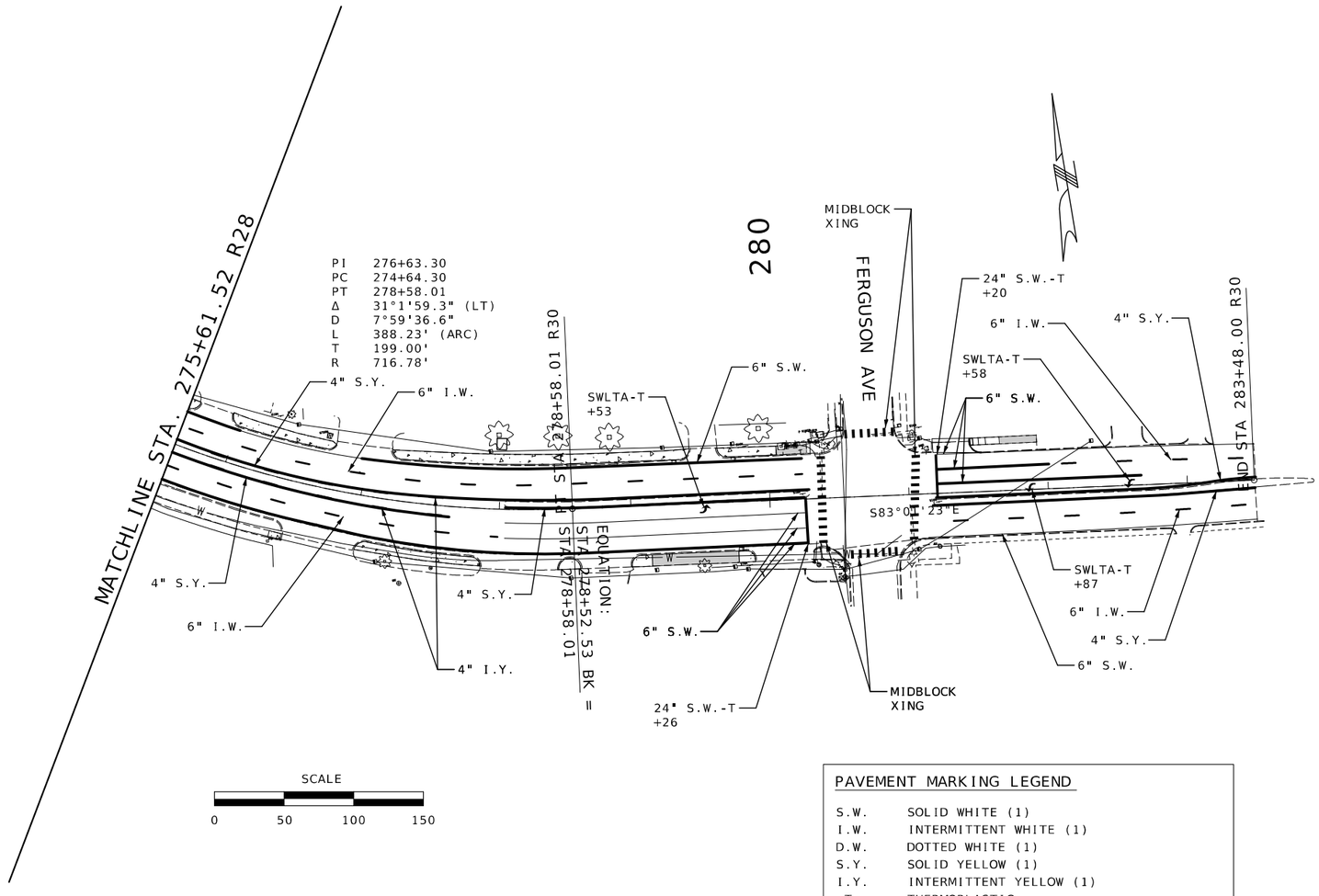
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING SHEET
SHEET 13 OF 14



PAVEMENT MARKING LEGEND

S.W.	SOLID WHITE (1)
I.W.	INTERMITTENT WHITE (1)
D.W.	DOTTED WHITE (1)
S.Y.	SOLID YELLOW (1)
I.Y.	INTERMITTENT YELLOW (1)
-T	THERMOPLASTIC
-C	BLACK CONTRAST MARKINGS
SWRTA	SOLID WHITE RIGHT TURN ARROW
SWLTA	SOLID WHITE LEFT TURN ARROW
SWSTA	SOLID WHITE STRAIGHT ARROW
SWSTRTA	SOLID WHITE STRAIGHT/ RIGHT TURN ARROW
SWSTLTA	SOLID WHITE STRAIGHT/ LEFT TURN ARROW

(1) CLASS 2 PAINT WITH TYPE L BEADS

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/10/2026 8:36:58 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED
3/6/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	103

COUNTY
ST. LOUIS

JOB NO.
JSL0076B

CONTRACT ID.

PROJECT NO.

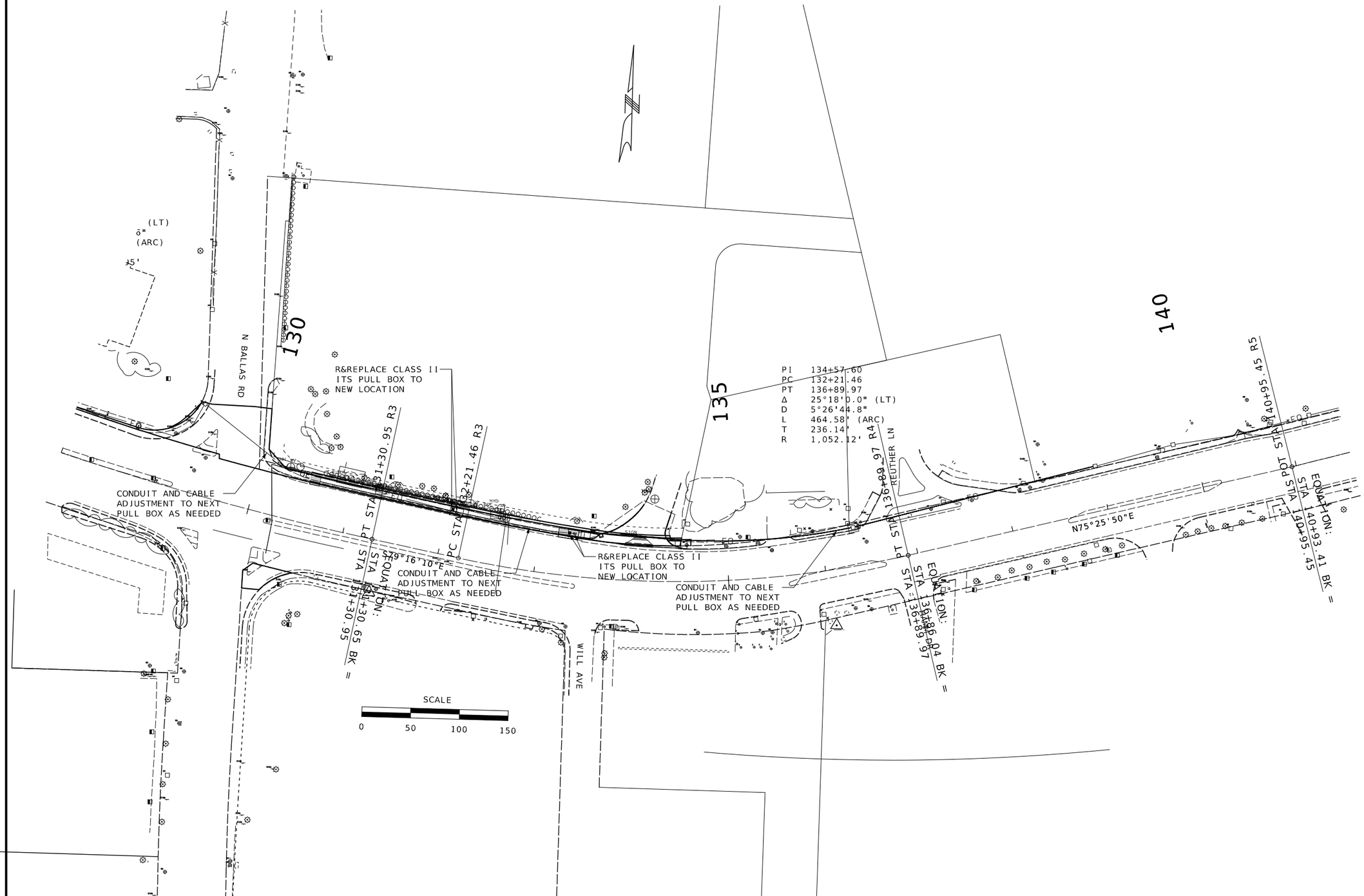
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING SHEET
SHEET 14 OF 14



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

03/10/2026 8:37:05 AM
STUART ROBINSON McNEIL · CIVIL
MO-PE-2006019687

DATE PREPARED	3/6/2026
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	104
COUNTY	ST. LOUIS
JOB NO.	JSL0076B
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 SHEET

MO340E014.8Z

CCTV

CAT-5E STP

SIGNAL CABINET
ROUTE 340 (OLIVE BLVD.) & OLD BONHOMME RD.

SEE NOTE 5

CISCO IE3000 ETHERNET SWITCH

RX
TX
RX
TX

CAT-5E STP

SIGNAL MONITOR

CAT-5E STP

ETHERNET ENABLE CONTROLLER

A B C

SDLC

RG-59U

VIDEO PROCESSORS

BIU

RJ-45

RS-232

RG-59U RG-59U RG-59U RG-59U

BACK PANEL

1 2 3 4

VIDEO SWITCHER

RG-59U RG-59U

RG-59U RG-59U

VIDEO MONITOR

CAT-5E STP

CAT-5E STP

IP Addressable PowerStrip

CAT-5E STP

WALL-MOUNTED INTERCONNECT CENTER

EXISTING HYBRID FIBER OPTIC CABLE WEST ALONG ROUTE 340 TO N WARSON RD.

BLUE TUBE (SINGLE MODE)

BLUE/BLUE
BLUE/ORANGE
BLUE/GREEN
BLUE/BROWN
BLUE/SLATE
BLUE/WHITE
BLUE/RED
BLUE/BLACK
BLUE/YELLOW
BLUE/VIOLET
BLUE/ROSE
BLUE/AQUA

ORANGE TUBE (SINGLE MODE)

ORANGE/BLUE
ORANGE/ORANGE
ORANGE/GREEN
ORANGE/BROWN
ORANGE/SLATE
ORANGE/WHITE

GREEN TUBE (MULTIMODE)

GREEN/BLUE
GREEN/ORANGE
GREEN/GREEN
GREEN/BROWN
GREEN/SLATE
GREEN/WHITE

BLUE TUBE (SINGLE MODE)

ORANGE TUBE (SINGLE MODE)

GREEN TUBE (MULTIMODE)

EXISTING HYBRID FIBER OPTIC CABLE EAST ALONG ROUTE 340 TO INDIAN MEADOWS DR.

KEY

IS170N123.4C — DEVICE IDENTIFIER

CCTV CCTV — EXISTING/PROPOSED CCTV CAMERA

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 BARE FIBER LEFT COILED IN SPLICE TRAY

EXISTING/PROPOSED FUSION SPLICE

PATCH PANEL MODULE

EXISTING WIRELESS LINK

VDS AP — EXISTING 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.
5. RELOCATE EXISTNG CISCO IE3000 EHTERNET SWITH AND POWER SUPPLY FROM EXISITNG SIGNAL CABIET.

FIBER SPLICING AND CONNECTION DETAIL
MO340E014.8Z
ROUTE 340 (OLIVE BLVD.) & OLD BONHOMME RD.
SHEET 1 OF 1

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/25/2026 9:34:37 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/16/2026

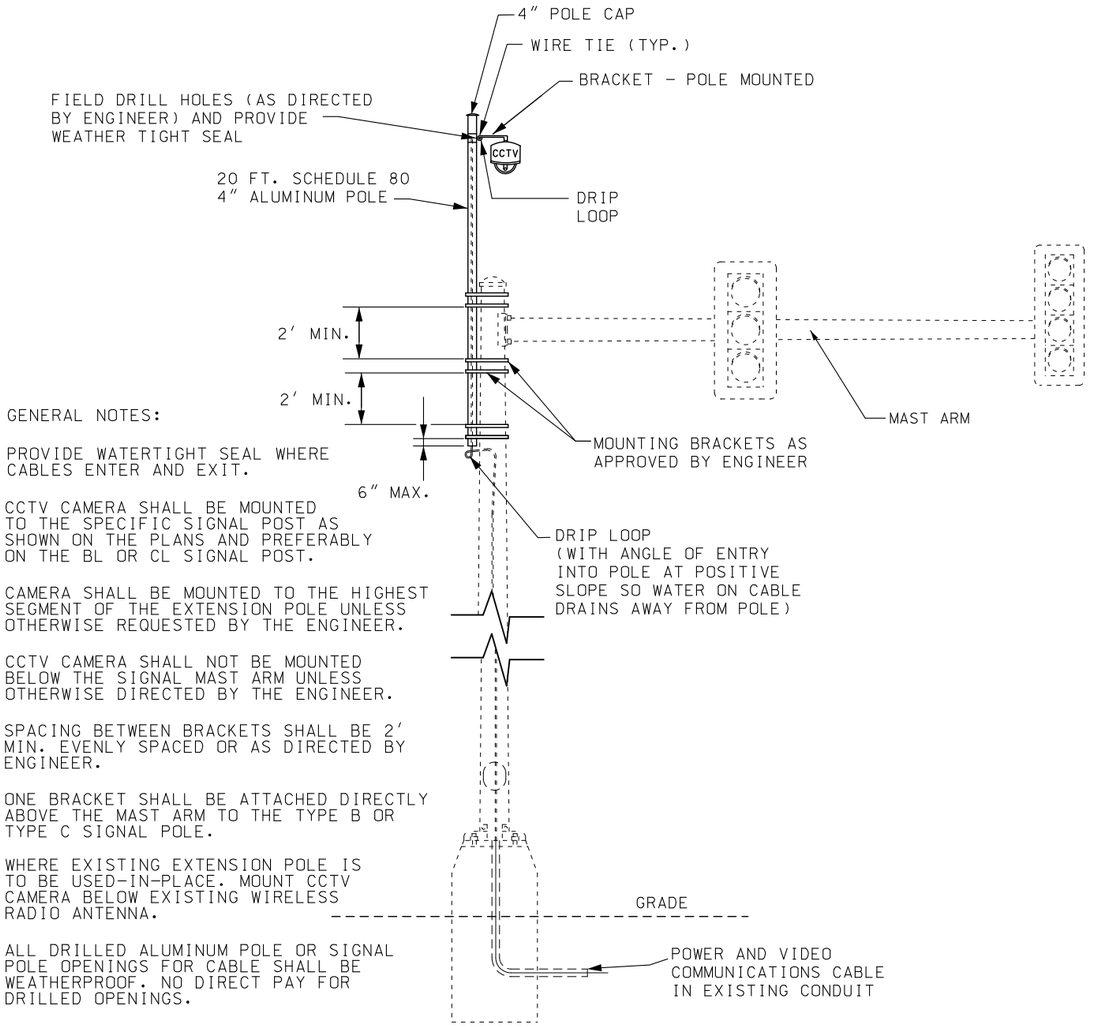
ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	105

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
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 SHEET
OLD BONHOMME
CONNECTION DETAIL



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.

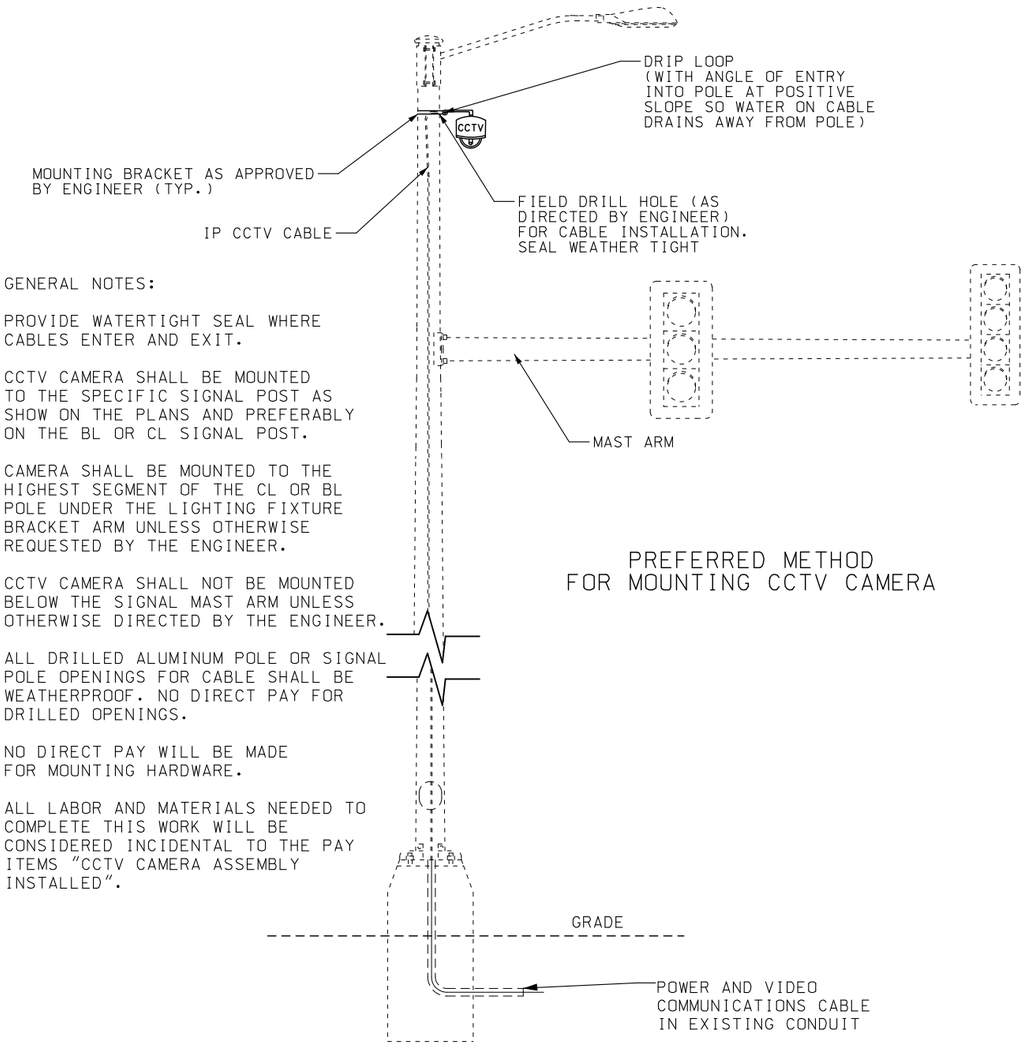
NO DIRECT PAY WILL BE MADE FOR MOUNTING HARDWARE.

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

NOT TO SCALE

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

REVISED 6-06-2024



GENERAL NOTES:

PROVIDE WATERTIGHT SEAL WHERE CABLES ENTER AND EXIT.

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

CAMERA SHALL BE MOUNTED TO THE HIGHEST SEGMENT OF THE CL OR BL POLE UNDER THE LIGHTING FIXTURE BRACKET ARM UNLESS OTHERWISE REQUESTED BY THE ENGINEER.

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

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".

PREFERRED METHOD FOR MOUNTING CCTV CAMERA

NOT TO SCALE

CCTV MOUNTING ON NEW OR EXISTING CL OR BL SIGNAL POST WITH LUMINAIRE

STATE OF MISSOURI
STUART ROBINSON McNEIL
NUMBER PE-2006019687
PROFESSIONAL ENGINEER
03/25/2026 9:34:44 AM
STUART ROBINSON McNEIL - CIVIL
MO-PE-2006019687

DATE PREPARED: 3/16/2026

ROUTE	STATE
340	MO
DISTRICT	SHEET NO.
SL	106

COUNTY: ST. LOUIS
JOB NO.: JSL0076B
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ITS SHEET
CCTV CAMERA MOUNTING TO SIGNAL POST DETAILS