MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
COLE/OSAGE COUNTIES

AMERICANS WITH DISABILITIES ACT (ADA) IMPROVEMENTS

DESIGN DESIGNATION

SEE TITLE LOCATION SHEETS

TEMPORARY CONSTRUCTION EASEMENTS REQUIRED

LOCATION-10
TAOS
ROUTE M

PERMANENT EASEMENTS

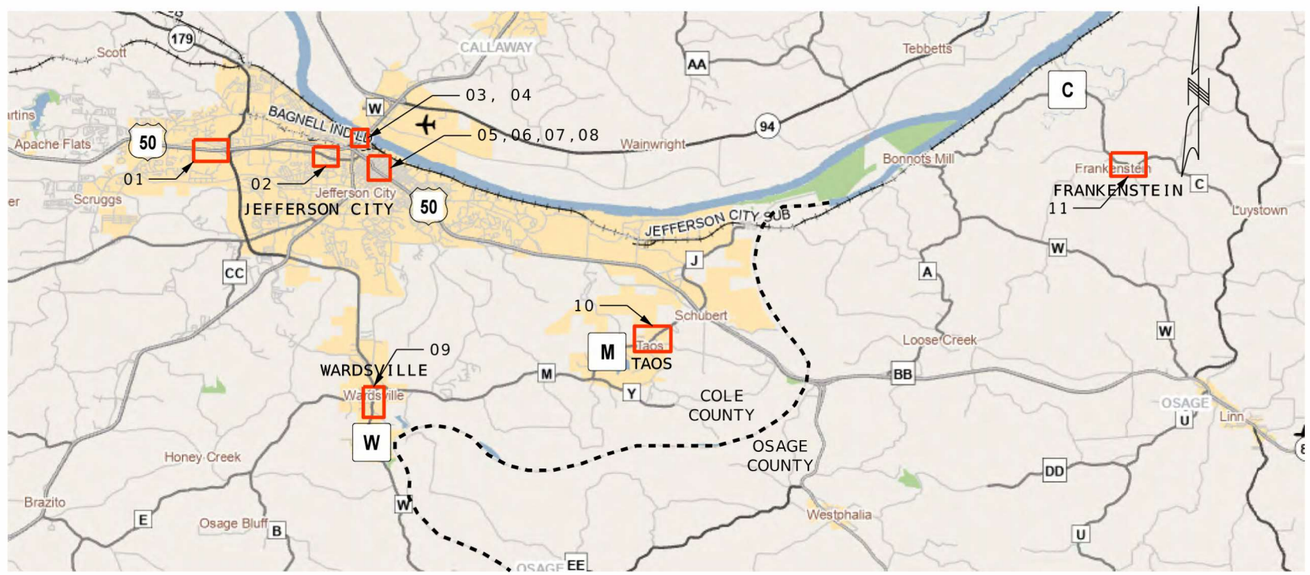
LOCATION-10
TAOS
ROUTE M

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

KEY MAP
LOCATION OF COLE & OSAGE COUNTIES



NOT TO SCALE

LOCATIONS
01-JEFFERSON CITY, OR50 (MISSOURI BLVD.) STRIP MALL
02-JEFFERSON CITY, BU50 (MISSOURI BLVD.) MoDOT DR.
03-JEFFERSON CITY, HIGH ST., US54 OVERPASS
04-JEFFERSON CITY, MAIN ST., US54 OVERPASS
05-JEFFERSON CITY, US50 BROADWAY ST. INTERSECTION
06-JEFFERSON CITY, US50 JEFFERSON ST. INTERSECTION
07-JEFFERSON CITY, US50 MADISON ST. INTERSECTION
08-JEFFERSON CITY, US50 MONROE ST. INTERSECTION
09-WARDSVILLE, ROUTE W
10-TAOS, ROUTE M
11-FRANKENSTEIN, ROUTE C

PROJECT LOCATIONS
COUNTY LINE

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.

TITLE SHEET 1 OF 2

INDEX OF SHEETS

LENGTH OF PROJECT

01 US50 OUTER RD. (STRIP MALL)
BEGINNING OF PROJECT STA. 371+75.00
END OF PROJECT STA. 383+25.00
APPARENT LENGTH 1150.00 FEET

02 BUS 50 (MODOT)
BEGINNING OF PROJECT STA. 49+80.00
END OF PROJECT STA. 61+40.00
APPARENT LENGTH 1160.00 FEET

03 HIGH ST BRIDGE
BEGINNING OF PROJECT STA. 9+85.00
END OF PROJECT STA. 13+65.00
APPARENT LENGTH 380.00 FEET

04 MAIN ST BRIDGE
BEGINNING OF PROJECT STA. 10+35.00
END OF PROJECT STA. 13+80.00
APPARENT LENGTH 345.00 FEET

05 BROADWAY ST/US50 INTERSECTION
BEGINNING OF PROJECT STA. 12+00.00
END OF PROJECT STA. 13+50.00
APPARENT LENGTH 150.00 FEET

06 JEFFERSON ST/US50 INTERSECTION
BEGINNING OF PROJECT STA. 23+85.00
END OF PROJECT STA. 24+80.00
APPARENT LENGTH 95.00 FEET

07 MADISON ST/US50 INTERSECTION
BEGINNING OF PROJECT STA. 28+50.00
END OF PROJECT STA. 29+80.00
APPARENT LENGTH 130.00 FEET

08 MONROE ST/US50 INTERSECTION
BEGINNING OF PROJECT STA. 33+00.00
END OF PROJECT STA. 34+80.00
APPARENT LENGTH 180.00 FEET

09 ROUTE W (WARDSVILLE)
BEGINNING OF PROJECT STA. 7+00.00
END OF PROJECT STA. 13+50.00
APPARENT LENGTH 650.00 FEET

10 ROUTE M (TAOS)
BEGINNING OF PROJECT STA. 339+00.00
END OF PROJECT STA. 369+40.00
APPARENT LENGTH 3040.00 FEET

11 ROUTE C (FRANKENSTEIN)
BEGINNING OF PROJECT STA. 383+20.00
END OF PROJECT STA. 387+60.00
APPARENT LENGTH 440.00 FEET

TOTAL CORRECTIONS	0.00	FEET
NET LENGTH OF PROJECT	7720.00	FEET
STATE LENGTH	1.462	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0.46	ACRES

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 4/7/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	1

COUNTY COLE/OSAGE
JOB NO. JCD0126
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9951
COA# 00062
weareown.com
OWN
Engineering beyond.™

COLE COUNTY
A.A.D.T. - 2024 = 14,230 (OR 50)
A.A.D.T. - 2024 = 18,284 (BUS 50)
V = 45 MPH
FUNCTIONAL CLASSIFICATION - LOCAL(OR 50)/PRINCIPAL ARTERIAL(BUS 50)

JEFFERSON CITY - (OR-50 & BUS-50)
MISSOURI BLVD
LOCATION - 01 & 02

SIDEWALK, CURB RAMPS
AND PAVED APPROACHES
SECTION 09 & 12, T44N, R12W

COLE COUNTY
A.A.D.T. - 2024 = 2,263
V = 30 MPH
FUNCTIONAL CLASSIFICATION -
MAJOR COLLECTOR (HIGH ST)/
MINOR ARTERIAL (MAIN ST)

JEFFERSON CITY - (ROUTE 54/63)
HIGH ST & MAIN ST BRIDGES
LOCATION - 03 & 04

SIDEWALK AND CURB RAMPS
SECTION 06 & 07, T44N, R11W

COLE COUNTY
A.A.D.T. - 2024 = 41,058
V = 35 MPH
FUNCTIONAL CLASSIFICATION - EXPRESSWAY

JEFFERSON CITY - (US-50)
REX M WHITTON EXPY INTERSECTIONS
LOCATIONS 05,06,07 & 08

SIDEWALK, CURB RAMPS,
PAVED APPROACHES, &
CROSSWALKS
SECTION 07, T44N, R11W

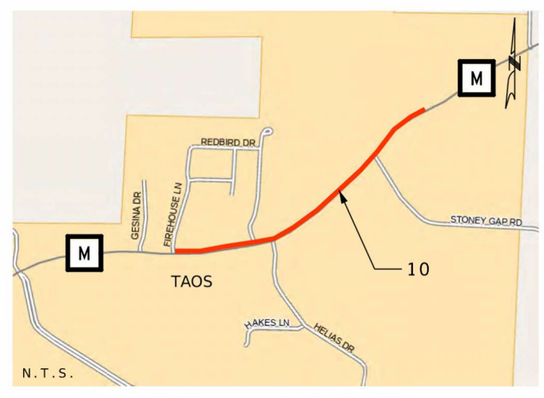
COLE COUNTY
A.A.D.T. - 2024 = 1,822
V = 25,35 MPH
FUNCTIONAL CLASSIFICATION - MINOR COLLECTOR

WARDSVILLE - (ROUTE W)
LOCATION - 09

SIDEWALK AND CURB RAMPS
SECTION 07, T43N, R11W

COLE COUNTY
A.A.D.T. - 2024 = 3,594
V = 25,35 MPH
FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

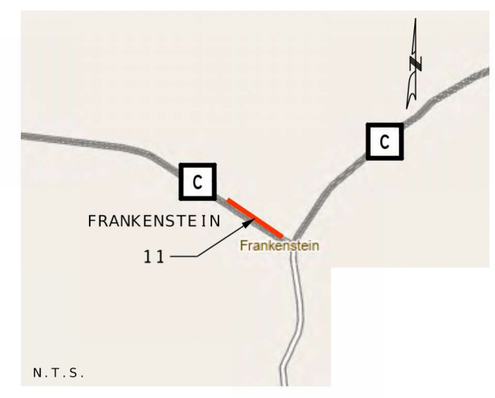
TAOS - (ROUTE M)
LOCATION - 10



SIDEWALK, CURB RAMPS
AND PAVED APPROACHES
SECTION 06, T43N, R10W

OSAGE COUNTY
A.A.D.T. - 2024 = 394
V = 35 MPH
FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

FRANKENSTEIN - (ROUTE C)
LOCATION - 11



SIDEWALK AND CURB RAMPS
SECTION 11, 13, & 14, T44N, R09W

TITLE SHEET 2 OF 2

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/24/2025
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 1
COUNTY COLE/OSAGE
JOB NO. JCD0126
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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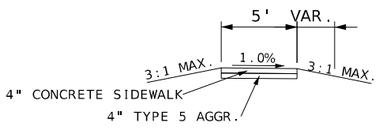
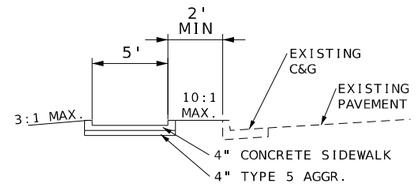
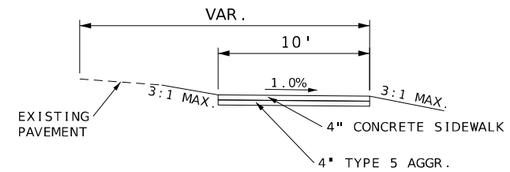


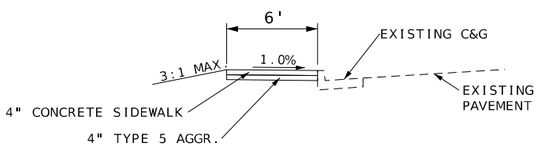
TYPICAL SECTION
LOCATIONS - 1,2,4,5,6,7,8



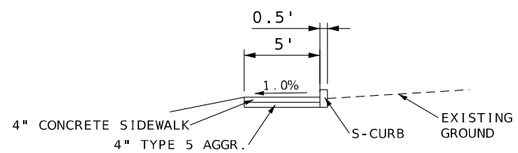
TYPICAL SECTION
LOCATION - 5,6,8,10



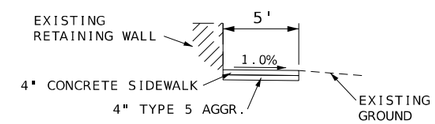
TYPICAL SECTION
LOCATION - 9



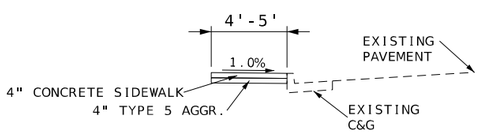
TYPICAL SECTION
LOCATION - 2,5,6,7,8,10



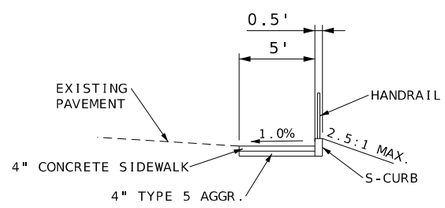
TYPICAL SECTION
LOCATION - 5



TYPICAL SECTION
LOCATION - 11



TYPICAL SECTION
LOCATION - 4,7,8



TYPICAL SECTION
LOCATION - 6

KEY

LOCATION 1- OR-50 (STRIP MALL)
LOCATION 2- BUS 50 (MODOT)
LOCATION 3- HIGH STREET BRIDGE
LOCATION 4- MAIN STREET BRIDGE
LOCATION 5- BROADWAY ST. INTERSECT.
LOCATION 6- JEFFERSON ST. INTERSECT.
LOCATION 7- MADISON ST. INTERSECT.
LOCATION 8- MONROE ST. INTERSECT.
LOCATION 9- WARDSVILLE
LOCATION 10- TAOS
LOCATION 11- FRANKENSTEIN

TYPICAL SHEET 1 OF 1

STATE OF MISSOURI
SEAN L MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/24/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	2

COUNTY: COLE/OSAGE
JOB NO.: JCD0126
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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2215 Fairlawn Dr.
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REMOVAL OF IMPROVEMENTS

STA.	STA.	ROUTE	LOCATION	TOWN	REMOVAL OF IMPROVEMENTS (SY)	REMARKS
LOCATION 1 - STRIP MALL						
371+89.24	372+01.06	OR-50	RT.	JEFF. CITY	5.3	CURB RAMP
372+01.06	375+92.50	OR-50	RT.	JEFF. CITY	217.3	SIDEWALK
375+92.50	376+04.38	OR-50	RT.	JEFF. CITY	5.4	CURB RAMP
376+77.09	376+89.12	OR-50	RT.	JEFF. CITY	5.3	CURB RAMP
376+89.12	380+43.16	OR-50	RT.	JEFF. CITY	196.5	SIDEWALK
380+43.16	380+55.35	OR-50	RT.	JEFF. CITY	1.3	CURB RAMP
381+22.38	381+35.13	OR-50	RT.	JEFF. CITY	5.5	CURB RAMP
381+35.13	383+16.29	OR-50	RT.	JEFF. CITY	115.8	SIDEWALK
376+40.26		OR-50	RT.	JEFF. CITY	103.8	PAVED APPROACH
380+88.67		OR-50	RT.	JEFF. CITY	96.8	PAVED APPROACH
LOCATION 2 - MODOT						
49+92.36	50+04.66	BUS 50	LT.	JEFF. CITY	6.3	CURB RAMP
50+04.66	50+68.22	BUS 50	LT.	JEFF. CITY	35.4	SIDEWALK
50+68.22	50+83.08	BUS 50	LT.	JEFF. CITY	6.8	CURB RAMP
51+60.44	51+77.72	BUS 50	LT.	JEFF. CITY	7.4	CURB RAMP
51+77.72	52+62.24	BUS 50	LT.	JEFF. CITY	46.4	SIDEWALK
52+62.24	52+74.96	BUS 50	LT.	JEFF. CITY	6.3	CURB RAMP
53+15.25	53+27.96	BUS 50	LT.	JEFF. CITY	6.3	CURB RAMP
53+27.96	55+75.53	BUS 50	LT.	JEFF. CITY	136.3	SIDEWALK
55+75.53	55+88.01	BUS 50	LT.	JEFF. CITY	6.2	CURB RAMP
56+32.85	56+45.87	BUS 50	LT.	JEFF. CITY	6.4	CURB RAMP
56+45.87	61+14.82	BUS 50	LT.	JEFF. CITY	256.9	SIDEWALK
61+14.82	61+31.06	BUS 50	LT.	JEFF. CITY	7.4	CURB RAMP
51+15.37		BUS 50	LT.	JEFF. CITY	94.2	PAVED APPROACH
52+95.27		BUS 50	LT.	JEFF. CITY	86.5	PAVED APPROACH
56+10.37		BUS 50	LT.	JEFF. CITY	141.1	PAVED APPROACH
LOCATION 3 - HIGH ST.						
10+18.98	10+66.09	HIGH ST.	LT.	JEFF. CITY	25.4	SIDEWALK
13+22.14	13+36.78	HIGH ST.	LT.	JEFF. CITY	6.9	SIDEWALK
10+18.99	10+59.21	HIGH ST.	RT.	JEFF. CITY	20.7	SIDEWALK
13+34.18	13+48.54	HIGH ST.	RT.	JEFF. CITY	6.5	SIDEWALK
LOCATION 4 - MAIN ST.						
10+42.15	10+58.51	MAIN ST.	LT.	JEFF. CITY	7.9	CURB RAMP
10+58.51	10+71.05	MAIN ST.	LT.	JEFF. CITY	6.2	SIDEWALK
13+15.73	13+29.18	MAIN ST.	LT.	JEFF. CITY	6.8	CURB RAMP
13+29.18	13+41.88	MAIN ST.	LT.	JEFF. CITY	5.7	SIDEWALK
10+52.49	10+73.92	MAIN ST.	RT.	JEFF. CITY	10.6	SIDEWALK
13+18.15	13+63.36	MAIN ST.	RT.	JEFF. CITY	25.1	SIDEWALK
LOCATION 5 - BROADWAY						
12+20.36	12+27.40	BROADWAY	LT.	JEFF. CITY	4.1	CURB RAMP
12+22.95	12+29.90	BROADWAY	LT.	JEFF. CITY	5.8	SIDEWALK
12+29.53	12+36.84	BROADWAY	LT.	JEFF. CITY	1.9	CURB RAMP
12+30.22	12+46.17	BROADWAY	LT.	JEFF. CITY	13.6	ISLAND SIDEWALK
12+86.44	12+98.54	BROADWAY	LT.	JEFF. CITY	8.7	ISLAND SIDEWALK
12+99.52	13+19.08	BROADWAY	LT.	JEFF. CITY	19.5	SIDEWALK
13+10.61	13+15.77	BROADWAY	LT.	JEFF. CITY	1.9	CURB RAMP
12+27.10	12+39.87	BROADWAY	RT.	JEFF. CITY	14.3	SIDEWALK
12+88.84	13+14.11	BROADWAY	RT.	JEFF. CITY	25.8	SIDEWALK
13+08.61	13+14.11	BROADWAY	RT.	JEFF. CITY	2.1	CURB RAMP
12+27.09	12+48.13	BROADWAY	LT.	JEFF. CITY	24.4	ISLAND
12+85.34	13+03.93	BROADWAY	LT.	JEFF. CITY	20.7	ISLAND
				SUBTOTAL (1)	1867.5	

REMOVAL OF IMPROVEMENTS

STA.	STA.	ROUTE	LOCATION	TOWN	REMOVAL OF IMPROVEMENTS (SY)	REMARKS
LOCATION 6 - JEFFERSON						
23+60.65	23+71.58	JEFFERSON	LT.	JEFF. CITY	4.8	CURB RAMP
23+63.62	23+80.19	JEFFERSON	LT.	JEFF. CITY	29.2	SIDEWALK
23+70.37	23+97.62	JEFFERSON	LT.	JEFF. CITY	28.7	ISLAND SIDEWALK
24+39.30	24+50.09	JEFFERSON	LT.	JEFF. CITY	4.1	CURB RAMP
24+46.56	24+53.07	JEFFERSON	LT.	JEFF. CITY	5.5	CURB RAMP
24+46.88	24+54.78	JEFFERSON	LT.	JEFF. CITY	28.1	SIDEWALK
24+49.35	24+56.19	JEFFERSON	LT.	JEFF. CITY	6.8	CURB RAMP
23+73.61	23+99.72	JEFFERSON	RT.	JEFF. CITY	32.7	SIDEWALK
23+76.66	23+81.38	JEFFERSON	RT.	JEFF. CITY	2.8	CURB RAMP
24+38.56	24+60.45	JEFFERSON	RT.	JEFF. CITY	24.6	SIDEWALK
24+55.15	24+60.45	JEFFERSON	RT.	JEFF. CITY	3.1	CURB RAMP
23+57.64	23+98.09	JEFFERSON	LT.	JEFF.CITY	60.7	ISLAND
LOCATION 7 - MADISON						
28+72.19	28+77.05	MADISON	LT.	JEFF. CITY	6.2	CURB RAMP
28+72.39	28+82.03	MADISON	LT.	JEFF. CITY	34	SIDEWALK
28+77.05	28+87.75	MADISON	LT.	JEFF. CITY	4.8	CURB RAMP
29+46.27	29+56.61	MADISON	LT.	JEFF. CITY	4.1	CURB RAMP
29+47.41	29+60.54	MADISON	LT.	JEFF. CITY	44	SIDEWALK
29+56.61	29+64.00	MADISON	LT.	JEFF. CITY	7.8	CURB RAMP
28+72.32	28+85.39	MADISON	RT.	JEFF. CITY	10.9	CURB RAMP
28+80.79	28+92.37	MADISON	RT.	JEFF. CITY	14	SIDEWALK
29+36.41	29+51.26	MADISON	RT.	JEFF. CITY	21	SIDEWALK
29+47.69	29+53.59	MADISON	RT.	JEFF. CITY	3.4	CURB RAMP
LOCATION 8 - MONROE						
33+66.53	33+83.70	MONROE	LT.	JEFF. CITY	11.1	CURB RAMP
33+80.94	33+82.15	MONROE	LT.	JEFF. CITY	35.9	SIDEWALK
33+85.76	33+92.33	MONROE	LT.	JEFF. CITY	5	ISLAND SIDEWALK
34+37.26	34+53.35	MONROE	LT.	JEFF. CITY	31	SIDEWALK
34+45.17	34+54.60	MONROE	LT.	JEFF. CITY	11	SIDEWALK
34+48.23	34+56.28	MONROE	LT.	JEFF. CITY	8.9	ISLAND SIDEWALK
33+73.69	33+93.72	MONROE	RT.	JEFF. CITY	47	SIDEWALK
33+74.16	33+78.68	MONROE	RT.	JEFF. CITY	2.5	CURB RAMP
33+78.68	33+88.30	MONROE	RT.	JEFF. CITY	4.3	CURB RAMP
34+24.04	34+46.56	MONROE	RT.	JEFF. CITY	61	SIDEWALK
34+38.15	34+56.89	MONROE	RT.	JEFF. CITY	17.3	CURB RAMP
33+82.01	33+95.64	MONROE	LT.	JEFF. CITY	8.7	ISLAND
34+39.27	34+66.72	MONROE	LT.	JEFF. CITY	29.7	ISLAND
LOCATION 9 -	WARDSVILLE					
7+09.18	7+23.23	ROUTE W	RT.	WARDSVILLE	12.5	CURB RAMP
7+23.23	10+77.33	ROUTE W	RT.	WARDSVILLE	385.5	SIDEWALK
10+93.73	12+07.88	ROUTE W	RT.	WARDSVILLE	126.3	SIDEWALK
12+21.34	13+21.73	ROUTE W	RT.	WARDSVILLE	109.1	SIDEWALK
10+84.99		ROUTE W	RT.	WARDSVILLE	44.5	PAVED APPROACH
12+14.24		ROUTE W	RT.	WARDSVILLE	39.1	PAVED APPROACH
				SUBTOTAL (2)	1371.7	

SUMMARY OF QUANTITIES
SHEET 1 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 4/7/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	3

COUNTY: COLE/OSAGE
JOB NO.: JCD0126
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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REMOVAL OF IMPROVEMENTS

STA.	STA.	ROUTE	LOCATION	TOWN	REMOVAL OF IMPROVEMENTS (SY)	REMARKS
LOCATION 10 - TAOS						
339+34.13	339+60.75	ROUTE M	LT.	TAOS	14.2	CURB RAMP
339+60.75	339+74.24	ROUTE M	LT.	TAOS	9	SIDEWALK
339+74.24	339+95.09	ROUTE M	LT.	TAOS	13.5	CURB RAMP
340+13.50	340+34.50	ROUTE M	LT.	TAOS	13.6	CURB RAMP
340+34.50	341+03.26	ROUTE M	LT.	TAOS	45.4	SIDEWALK
341+03.26	341+23.53	ROUTE M	LT.	TAOS	13	CURB RAMP
341+39.79	341+55.05	ROUTE M	LT.	TAOS	8	CURB RAMP
341+55.05	341+86.80	ROUTE M	LT.	TAOS	20.6	SIDEWALK
341+86.80	342+06.10	ROUTE M	LT.	TAOS	12.3	CURB RAMP
342+19.31	342+31.40	ROUTE M	LT.	TAOS	7.2	SIDEWALK
342+44.87	342+60.13	ROUTE M	LT.	TAOS	9.6	CURB RAMP
342+60.13	342+84.42	ROUTE M	LT.	TAOS	16	SIDEWALK
342+84.42	343+04.58	ROUTE M	LT.	TAOS	12.9	CURB RAMP
343+25.46	343+40.71	ROUTE M	LT.	TAOS	9.6	CURB RAMP
343+40.71	343+81.57	ROUTE M	LT.	TAOS	26.9	SIDEWALK
343+81.57	344+01.74	ROUTE M	LT.	TAOS	12.9	CURB RAMP
344+16.74	344+31.75	ROUTE M	LT.	TAOS	9.6	CURB RAMP
344+31.75	344+55.55	ROUTE M	LT.	TAOS	12.5	SIDEWALK
344+55.55	344+75.33	ROUTE M	LT.	TAOS	14.7	CURB RAMP
345+10.14	345+30.95	ROUTE M	LT.	TAOS	12	CURB RAMP
345+30.95	346+91.02	ROUTE M	LT.	TAOS	106.5	SIDEWALK
346+91.02	347+21.20	ROUTE M	LT.	TAOS	17.7	CURB RAMP
347+53.60	347+70.03	ROUTE M	LT.	TAOS	7	CURB RAMP
347+70.03	348+83.07	ROUTE M	LT.	TAOS	72.9	SIDEWALK
348+83.07	349+06.53	ROUTE M	LT.	TAOS	14.8	SIDEWALK
348+83.07	349+06.53	ROUTE M	LT.	TAOS	3.4	CURB RAMP
349+22.08	349+33.49	ROUTE M	LT.	TAOS	5.6	CURB RAMP
349+33.49	350+49.15	ROUTE M	LT.	TAOS	69.3	SIDEWALK
350+49.15	350+56.86	ROUTE M	LT.	TAOS	5	CURB RAMP
350+66.42	350+71.09	ROUTE M	LT.	TAOS	2.8	CURB RAMP
350+71.09	351+13.97	ROUTE M	LT.	TAOS	22.3	SIDEWALK
351+13.97	351+25.88	ROUTE M	LT.	TAOS	6.2	CURB RAMP
351+38.73	351+50.78	ROUTE M	LT.	TAOS	6.3	CURB RAMP
351+50.78	351+69.15	ROUTE M	LT.	TAOS	9.8	SIDEWALK
351+69.15	351+80.63	ROUTE M	LT.	TAOS	4.7	CURB RAMP
351+89.18	352+01.11	ROUTE M	LT.	TAOS	4.9	CURB RAMP
352+01.11	352+52.02	ROUTE M	LT.	TAOS	29.1	SIDEWALK
352+52.02	352+72.98	ROUTE M	LT.	TAOS	12.2	CURB RAMP
353+32.17	353+58.11	ROUTE M	LT.	TAOS	15.7	CURB RAMP
353+58.11	354+02.38	ROUTE M	LT.	TAOS	24.3	SIDEWALK
354+02.38	354+14.33	ROUTE M	LT.	TAOS	4.9	CURB RAMP
354+26.92	354+40.88	ROUTE M	LT.	TAOS	5.8	CURB RAMP
354+40.88	354+82.19	ROUTE M	LT.	TAOS	24.3	SIDEWALK
354+82.19	355+01.28	ROUTE M	LT.	TAOS	10.2	CURB RAMP
355+20.11	355+30.90	ROUTE M	LT.	TAOS	6.2	CURB RAMP
355+30.90	356+93.53	ROUTE M	LT.	TAOS	87.8	SIDEWALK
359+09.15	359+38.94	ROUTE M	LT.	TAOS	19.9	SIDEWALK
359+38.94	359+61.04	ROUTE M	LT.	TAOS	12.8	CURB RAMP
359+99.89	360+21.98	ROUTE M	LT.	TAOS	12.8	CURB RAMP
360+21.98	360+55.88	ROUTE M	LT.	TAOS	24.0	SIDEWALK
360+55.88	360+82.75	ROUTE M	LT.	TAOS	17.6	CURB RAMP
361+02.74	361+24.63	ROUTE M	LT.	TAOS	14.3	CURB RAMP
361+24.63	361+39.28	ROUTE M	LT.	TAOS	9.8	SIDEWALK
361+39.28	361+65.08	ROUTE M	LT.	TAOS	14.3	CURB RAMP
361+84.04	361+89.03	ROUTE M	LT.	TAOS	2.9	CURB RAMP
361+89.03	362+05.98	ROUTE M	LT.	TAOS	11.4	SIDEWALK
362+05.98	362+10.98	ROUTE M	LT.	TAOS	2.9	CURB RAMP
362+22.96	362+44.85	ROUTE M	LT.	TAOS	14.3	CURB RAMP
362+44.85	363+58.62	ROUTE M	LT.	TAOS	75.8	SIDEWALK
363+63.60	363+69.17	ROUTE M	LT.	TAOS	3.3	CURB RAMP
364+10.17	364+24.56	ROUTE M	LT.	TAOS	9.2	CURB RAMP
363+24.56	364+78.13	ROUTE M	LT.	TAOS	35.7	SIDEWALK
364+78.13	364+98.13	ROUTE M	LT.	TAOS	12.9	SIDEWALK
				SUBTOTAL (3)	1167.1	

REMOVAL OF IMPROVEMENTS

STA.	STA.	ROUTE	LOCATION	TOWN	REMOVAL OF IMPROVEMENTS (SY)	REMARKS
LOCATION 10 - TAOS (CONT.)						
364+78.13	364+98.13	ROUTE M	LT.	TAOS	3.9	CURB RAMP
365+28.13	365+42.87	ROUTE M	LT.	TAOS	9.4	CURB RAMP
365+42.87	365+84.81	ROUTE M	LT.	TAOS	28.0	SIDEWALK
365+84.81	365+92.72	ROUTE M	LT.	TAOS	4.9	CURB RAMP
366+03.05	366+14.07	ROUTE M	LT.	TAOS	7.0	CURB RAMP
366+14.07	367+05.89	ROUTE M	LT.	TAOS	69.7	SIDEWALK
367+05.89	367+18.55	ROUTE M	LT.	TAOS	8.0	CURB RAMP
367+40.99	367+53.65	ROUTE M	LT.	TAOS	8.1	CURB RAMP
367+53.65	367+83.11	ROUTE M	LT.	TAOS	20.0	SIDEWALK
367+83.11	367+92.26	ROUTE M	LT.	TAOS	6.9	CURB RAMP
368+04.03	368+11.99	ROUTE M	LT.	TAOS	4.8	CURB RAMP
368+11.99	368+73.35	ROUTE M	LT.	TAOS	41.7	SIDEWALK
368+73.35	368+88.87	ROUTE M	LT.	TAOS	10.1	CURB RAMP
369+00.64	369+11.17	ROUTE M	LT.	TAOS	6.7	CURB RAMP
340+04.21		ROUTE M	LT.	TAOS	29.2	PAVED APPROACH
341+31.66		ROUTE M	LT.	TAOS	26.0	PAVED APPROACH
342+12.71		ROUTE M	LT.	TAOS	23.1	PAVED APPROACH
342+38.77		ROUTE M	LT.	TAOS	18.7	PAVED APPROACH
343+14.24		ROUTE M	LT.	TAOS	27.3	PAVED APPROACH
344+09.24		ROUTE M	LT.	TAOS	23.2	PAVED APPROACH
344+92.83		ROUTE M	LT.	TAOS	56.8	PAVED APPROACH
347+36.37		ROUTE M	LT.	TAOS	67.8	PAVED APPROACH
349+14.31		ROUTE M	LT.	TAOS	20.3	PAVED APPROACH
350+61.29		ROUTE M	LT.	TAOS	10.5	PAVED APPROACH
351+30.23		ROUTE M	LT.	TAOS	34.4	PAVED APPROACH
351+85.64		ROUTE M	LT.	TAOS	12.7	PAVED APPROACH
352+05.11		ROUTE M	LT.	TAOS	0.2	REMOVE AND REPLACE STEP
353+02.60		ROUTE M	LT.	TAOS	88.8	PAVED APPROACH
354+56.38		ROUTE M	LT.	TAOS	0.5	REMOVE AND REPLACE STEP
354+20.61		ROUTE M	LT.	TAOS	15.1	PAVED APPROACH
355+10.35		ROUTE M	LT.	TAOS	30.3	PAVED APPROACH
359+80.41		ROUTE M	LT.	TAOS	71.3	PAVED APPROACH
360+93.45		ROUTE M	LT.	TAOS	26.2	PAVED APPROACH
361+73.07		ROUTE M	LT.	TAOS	23.0	PAVED APPROACH
362+15.92		ROUTE M	LT.	TAOS	18.4	PAVED APPROACH
363+89.64		ROUTE M	LT.	TAOS	89.1	PAVED APPROACH
365+13.13		ROUTE M	LT.	TAOS	38.6	PAVED APPROACH
365+97.63		ROUTE M	LT.	TAOS	16.4	PAVED APPROACH
367+29.77		ROUTE M	LT.	TAOS	37.9	PAVED APPROACH
367+98.11		ROUTE M	LT.	TAOS	17.4	PAVED APPROACH
368+94.75		ROUTE M	LT.	TAOS	17.8	PAVED APPROACH
LOCATION 11 - FRANKENSTEIN						
383+31.22	386+12.99	ROUTE C	LT.	FRANKENSTEIN	156.3	SIDEWALK
386+12.99	386+25.99	ROUTE C	LT.	FRANKENSTEIN	7.2	CURB RAMP
386+47.99	386+60.99	ROUTE C	LT.	FRANKENSTEIN	7.3	CURB RAMP
386+60.99	387+41.13	ROUTE C	LT.	FRANKENSTEIN	44.5	SIDEWALK
				SUBTOTAL (4)	1285.5	REMOVAL OF SIDEWALK AND CURB RAMPS PROVIDED FOR INFORMATION. GRADING AND REMOVAL OF SIDEWALKS AND CURB RAMPS INCLUDED IN ADA LINEAR GRADING PAY ITEM.
				SUBTOTAL (3)	1167.1	
				SUBTOTAL (2)	1371.7	
				SUBTOTAL (1)	1867.5	
TOTAL					1 LUMP SUM	

SUMMARY OF QUANTITIES
SHEET 2 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 4/7/2025
ROUTE: VAR. | STATE: MO
DISTRICT: CD | SHEET NO.: 3
COUNTY: COLE/OSAGE
JOB NO.: JCD0126
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

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SIDEWALKS (TABLE 1 OF 3)

STA.	STA.	ROUTE	LOCATION	TOWN	SIDEWALK WIDTH (LF)	PAY WIDTH (LF)	CONCRETE 4" SIDEWALK (SY)	CURB RAMP (SY)	4" TYPE 5 AGGR. (SY)	TRUNCATED DOMES (SF)	ADA LINEAR GRADING, CL.1 (LF)	REMARKS
LOCATION 1 - STRIP MALL												
371+89.24	372+01.06	OR-50	RT.	JEFF. CITY	5	5		5.3	5		12	
372+01.06	375+92.50	OR-50	RT.	JEFF. CITY	5	5	217.3		217		391	
375+92.50	376+04.38	OR-50	RT.	JEFF. CITY	5	5		5.4	5		12	
376+77.09	376+89.12	OR-50	RT.	JEFF. CITY	5	5		5.3	5		12	
376+89.12	380+43.16	OR-50	RT.	JEFF. CITY	5	5	196.5		197		354	
380+43.16	380+55.35	OR-50	RT.	JEFF. CITY	5	5	1.3	5.5	7		12	
381+22.38	381+35.13	OR-50	RT.	JEFF. CITY	5	5		5.5	6		13	
381+35.13	383+16.29	OR-50	RT.	JEFF. CITY	5	5	115.8		116		209	
LOCATION 2 - MODOT												
49+92.36	50+04.66	BUS 50	LT.	JEFF. CITY	5	5		6.3	6		12	
50+04.66	50+68.22	BUS 50	LT.	JEFF. CITY	5	5	35.4		35		64	
50+68.22	50+83.08	BUS 50	LT.	JEFF. CITY	5	5		6.8	7	16.5	15	
51+60.44	51+77.72	BUS 50	LT.	JEFF. CITY	5	5		7.4	7	21.5	17	
51+77.72	52+62.24	BUS 50	LT.	JEFF. CITY	5	5	46.4		46		84	
52+62.24	52+74.96	BUS 50	LT.	JEFF. CITY	5	5		6.3	6		12	
53+15.25	53+27.96	BUS 50	LT.	JEFF. CITY	5	5		6.3	6		12	
53+27.96	55+75.53	BUS 50	LT.	JEFF. CITY	5	5	134.3		134		241	
55+75.53	55+88.01	BUS 50	LT.	JEFF. CITY	5	5		6.2	6		12	
56+32.85	56+45.87	BUS 50	LT.	JEFF. CITY	5	5		6.4	6		13	
56+45.87	61+14.82	BUS 50	LT.	JEFF. CITY	5	5	255.3		255		459	
61+14.82	61+31.06	BUS 50	LT.	JEFF. CITY	5	5		7.4	7		16	
LOCATION 3 - HIGH ST.												
10+18.98	10+66.09	HIGH ST.	LT.	JEFF. CITY	5' - VARIES	VARIES	25.4		25		47	TRANSITION TO EXISTING WIDTH AT BRIDGE
13+22.14	13+36.78	HIGH ST.	LT.	JEFF. CITY	5	5	6.9		7		21	TRANSITION TO EXISTING WIDTH AT BRIDGE
10+18.99	10+59.21	HIGH ST.	RT.	JEFF. CITY	5' - VARIES	VARIES	20.7		21		40	TRANSITION TO EXISTING WIDTH AT BRIDGE
13+34.18	13+48.54	HIGH ST.	RT.	JEFF. CITY	5	5	6.5		7		20	TRANSITION TO EXISTING WIDTH AT BRIDGE
LOCATION 4 - MAIN ST.												
10+42.15	10+58.51	MAIN ST.	LT.	JEFF. CITY	5	5		7.9	8	10.0	16	
10+58.51	10+71.05	MAIN ST.	LT.	JEFF. CITY	5' - VARIES	VARIES	6.2		6		13	TRANSITION TO EXISTING WIDTH AT BRIDGE
13+15.73	13+29.18	MAIN ST.	LT.	JEFF. CITY	5' - VARIES	VARIES	6.8		7		13	TRANSITION TO EXISTING WIDTH AT BRIDGE
13+29.18	13+41.88	MAIN ST.	LT.	JEFF. CITY	5	5		5.7	6	10.0	13	
10+52.49	10+73.92	MAIN ST.	RT.	JEFF. CITY	5	5	10.6		11		26	TRANSITION TO EXISTING WIDTH AT BRIDGE
13+18.15	13+63.36	MAIN ST.	RT.	JEFF. CITY	5	5	25.1		25		52	TRANSITION TO EXISTING WIDTH AT BRIDGE
LOCATION 5 - BROADWAY												
12+20.36	12+27.40	BROADWAY	LT.	JEFF. CITY	5	5		4.1	4		7	
12+22.95	12+29.90	BROADWAY	LT.	JEFF. CITY	5' - VARIES	VARIES	5.8		6		21	
12+29.53	12+36.84	BROADWAY	LT.	JEFF. CITY	5' - VARIES	VARIES		1.9	2	10.0	18	
12+30.22	12+46.17	BROADWAY	LT.	JEFF. CITY	5	5	13.6		14	20.0	25	
12+86.44	12+98.54	BROADWAY	LT.	JEFF. CITY	5	5	8.7		9	20.0	16	
12+99.52	13+19.08	BROADWAY	LT.	JEFF. CITY	5' - VARIES	VARIES	19.5		20		39	
13+10.61	13+15.77	BROADWAY	LT.	JEFF. CITY	5	5		1.9	2	10.0	4	
12+27.10	12+39.87	BROADWAY	RT.	JEFF. CITY	5	5	14.3		14	20.0	25	
12+88.84	13+14.11	BROADWAY	RT.	JEFF. CITY	5	5	25.8		26	10.0	47	
13+08.61	13+14.11	BROADWAY	RT.	JEFF. CITY	5	5		2.1	2	10.0	3	
LOCATION 6 - JEFFERSON												
23+60.65	23+71.58	JEFFERSON	LT.	JEFF. CITY	5	5		4.8	5	10.5	8	
23+63.62	23+80.19	JEFFERSON	LT.	JEFF. CITY	5' - VARIES	VARIES	29.2		29		45	
23+70.37	23+97.62	JEFFERSON	LT.	JEFF. CITY	5	5		28.7	29	30.5	53	
24+39.30	24+50.09	JEFFERSON	LT.	JEFF. CITY	5	5		4.1	4	10.0	8	
24+46.56	24+53.07	JEFFERSON	LT.	JEFF. CITY	5	5		5.5	6	10.0	10	
24+46.88	24+54.78	JEFFERSON	LT.	JEFF. CITY	5	5	28.1		28		51	
24+49.35	24+56.19	JEFFERSON	LT.	JEFF. CITY	5	5		6.8	7	10.0	13	
23+73.61	23+99.72	JEFFERSON	RT.	JEFF. CITY	VARIES	VARIES	32.7		33		38	
23+76.66	23+81.38	JEFFERSON	RT.	JEFF. CITY	5	5		2.6	3	10.0	5	
24+38.56	24+60.45	JEFFERSON	RT.	JEFF. CITY	5	5	24.6		25		44	
24+55.15	24+60.45	JEFFERSON	RT.	JEFF. CITY				3.1	3	10.0	6	
SUBTOTALS							1,312.8	159.3	1,473	249	2,719	

SUMMARY OF QUANTITIES
SHEET 3 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 4/7/2025
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY COLE/OSAGE
JOB NO. JCD0126
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

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

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SIDEWALKS (TABLE 2 OF 3)

STA.	STA.	ROUTE	LOCATION	TOWN	SIDEWALK WIDTH (LF)	PAY WIDTH (LF)	CONCRETE 4" SIDEWALK (SY)	CURB RAMP (SY)	4" TYPE 5 AGGR. (SY)	TRUNCATED DOMES (SF)	ADA LINEAR GRADING, CL.1 (LF)	REMARKS
LOCATION 7 - MADISON												
28+72.19	28+77.05	MADISON	LT.	JEFF. CITY	5	5		6.2	6	10.0	11	
28+72.39	28+82.03	MADISON	LT.	JEFF. CITY	5	5	34.0		34		60	
28+77.05	28+87.75	MADISON	LT.	JEFF. CITY	5	5		4.8	5	10.0	9	
29+46.27	29+56.61	MADISON	LT.	JEFF. CITY	5	5		4.1	4	10.0	8	
29+47.41	29+60.54	MADISON	LT.	JEFF. CITY	5' - VARIES	VARIES	44.0		44		80	
29+56.61	29+64.00	MADISON	LT.	JEFF. CITY	5	5		7.8	8	10.0	14	
28+72.32	28+85.39	MADISON	RT.	JEFF. CITY	6' - VARIES	VARIES		10.9	11	10.0	16	
28+80.79	28+92.37	MADISON	RT.	JEFF. CITY	6	6	19.8		20		33	
29+36.41	29+51.26	MADISON	RT.	JEFF. CITY	VARIES	VARIES	21.0		21		31	
29+47.69	29+53.59	MADISON	RT.	JEFF. CITY	5	5		3.4	3	10.0	7	
LOCATION 8 - MONROE												
33+66.53	33+83.70	MONROE	LT.	JEFF. CITY	4' - VARIES	VARIES		11.1	11	10.0	23	
33+80.94	33+82.15	MONROE	LT.	JEFF. CITY	VARIES	VARIES	35.9		36		58	
33+85.76	33+92.33	MONROE	LT.	JEFF. CITY	VARIES	VARIES	5.0		5	20.0	9	
34+37.26	34+53.35	MONROE	LT.	JEFF. CITY	VARIES	VARIES	31.0		31		50	
34+45.17	34+54.60	MONROE	LT.	JEFF. CITY	VARIES	VARIES	11.0		11	20.0	13	
34+48.23	34+56.28	MONROE	LT.	JEFF. CITY	VARIES	VARIES		8.9	9	10.0	12	
33+73.69	33+93.72	MONROE	RT.	JEFF. CITY	5' - VARIES	VARIES	47.0		47		77	
33+74.16	33+78.68	MONROE	RT.	JEFF. CITY	5	5		2.5	3	10.0	5	
33+78.68	33+88.30	MONROE	RT.	JEFF. CITY	5	5		4.3	4	10.0	8	
34+24.04	34+46.56	MONROE	RT.	JEFF. CITY	5' - VARIES	VARIES	61.0		61		89	
34+38.15	34+56.89	MONROE	RT.	JEFF. CITY	5' - VARIES	VARIES		17.3	17	20.0	30	
LOCATION 9 - WARDSVILLE												
7+09.18	7+23.23	ROUTE W	RT.	WARDSVILLE	10	10		12.5	13		14	
7+23.23	10+77.33	ROUTE W	RT.	WARDSVILLE	10	10	386.7		387		348	
10+93.73	12+07.88	ROUTE W	RT.	WARDSVILLE	10	10	126.3		126		114	
12+21.34	13+21.73	ROUTE W	RT.	WARDSVILLE	10	10	109.1		109		98	
LOCATION 10 - TAOS												
339+34.13	339+60.75	ROUTE M	LT.	TAOS	6	6		14.2	14	32.0	27	
339+60.75	339+74.24	ROUTE M	LT.	TAOS	6	6	9.0		9		13	
339+74.24	339+95.09	ROUTE M	LT.	TAOS	6	6		13.5	14		21	
340+13.50	340+34.50	ROUTE M	LT.	TAOS	6	6		13.6	14		21	
340+34.50	341+03.26	ROUTE M	LT.	TAOS	6	6	45.4		45		69	
341+03.26	341+23.53	ROUTE M	LT.	TAOS	6	6		13.0	13		20	
341+39.79	341+55.05	ROUTE M	LT.	TAOS	5	5		8.0	8		15	
341+55.05	341+86.80	ROUTE M	LT.	TAOS	5-6	5-6	20.6		21		32	
341+86.80	342+06.10	ROUTE M	LT.	TAOS	6	6		12.3	12		19	
342+19.31	342+31.40	ROUTE M	LT.	TAOS	6	6	7.2		7		12	
342+44.87	342+60.13	ROUTE M	LT.	TAOS	6	6		9.6	10		15	
342+60.13	342+84.42	ROUTE M	LT.	TAOS	6	6	16.0		16		24	
342+84.42	343+04.58	ROUTE M	LT.	TAOS	6	6		12.9	13		20	
343+25.46	343+40.71	ROUTE M	LT.	TAOS	6	6		9.6	10		15	
343+40.71	343+81.57	ROUTE M	LT.	TAOS	6	6	26.9		27		41	
343+81.57	344+01.74	ROUTE M	LT.	TAOS	6	6		12.9	13		20	
344+16.74	344+31.75	ROUTE M	LT.	TAOS	6	6		9.6	10		15	
344+31.75	344+55.55	ROUTE M	LT.	TAOS	6	6	12.5		13		24	
344+55.55	344+75.33	ROUTE M	LT.	TAOS	6	6		14.7	15		20	
345+10.14	345+30.95	ROUTE M	LT.	TAOS	6	6		12.0	12		21	
345+30.95	346+91.02	ROUTE M	LT.	TAOS	6	6	106.5		107		160	
346+91.02	347+21.20	ROUTE M	LT.	TAOS	6	6		17.7	18	24.5	30	
347+53.60	347+70.03	ROUTE M	LT.	TAOS	5	5		7.0	7	21.5	16	
347+70.03	348+83.07	ROUTE M	LT.	TAOS	5-6	5-6	72.9		73		113	
348+83.07	349+06.53	ROUTE M	LT.	TAOS	6	6	3.4	14.8	18		23	
349+22.08	349+33.49	ROUTE M	LT.	TAOS	5	5		5.6	6		11	
349+33.49	350+49.15	ROUTE M	LT.	TAOS	5-6	5-6	69.3		69		116	
350+49.15	350+56.86	ROUTE M	LT.	TAOS	6	6		5.0	5		8	
350+66.42	350+71.09	ROUTE M	LT.	TAOS	6	6		2.8	3		5	
350+71.09	351+13.97	ROUTE M	LT.	TAOS	5-6	5-6	22.3		22		43	
SUBTOTALS							1,343.8	302.6	1,650	238.0	2,206	

SUMMARY OF QUANTITIES
SHEET 4 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 4/7/2025
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY COLE/OSAGE
JOB NO. JCD0126
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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SIDEWALKS (TABLE 3 OF 3)

STA.	STA.	ROUTE	LOCATION	TOWN	SIDEWALK WIDTH (LF)	PAY WIDTH (LF)	CONCRETE 4" SIDEWALK (SY)	CURB RAMP (SY)	4" TYPE 5 AGGR. (SY)	TRUNCATED DOMES (SF)	ADA LINEAR GRADING, CL.1 (LF)	REMARKS
LOCATION 10 - TAOS (CONT.)												
351+13.97	351+25.88	ROUTE M	LT.	TAOS	5	5		6.2	6		12	
351+38.73	351+50.78	ROUTE M	LT.	TAOS	5	5		6.3	6		12	
351+50.78	351+69.15	ROUTE M	LT.	TAOS	4-5	4-5	9.8		10		18	
351+69.15	351+80.63	ROUTE M	LT.	TAOS	4	4		4.7	5		11	
351+89.18	352+01.11	ROUTE M	LT.	TAOS	4	4		4.9	5		12	
352+01.11	352+52.02	ROUTE M	LT.	TAOS	4-5	4-6	29.1		29		51	
352+52.02	352+72.98	ROUTE M	LT.	TAOS	5	5		12.2	12		21	
353+32.17	353+58.11	ROUTE M	LT.	TAOS	5	5		15.7	16		26	
353+58.11	354+02.38	ROUTE M	LT.	TAOS	4-5	4-6	24.3		24		44	
354+02.38	354+14.33	ROUTE M	LT.	TAOS	4	4		4.9	5		12	
354+26.92	354+40.88	ROUTE M	LT.	TAOS	4	4		5.8	6		14	
354+40.88	354+82.19	ROUTE M	LT.	TAOS	4-5	4-6	24.3		24		41	
354+82.19	355+01.28	ROUTE M	LT.	TAOS	5	5		10.2	10		19	
355+20.11	355+30.90	ROUTE M	LT.	TAOS	5	5		6.2	6		11	
355+30.90	356+93.53	ROUTE M	LT.	TAOS	5	5	87.8		88		160	
359+09.15	359+38.94	ROUTE M	LT.	TAOS	6	6	19.9		20		30	
359+38.94	359+61.04	ROUTE M	LT.	TAOS	6	6		12.8	13		22	
359+99.89	360+21.98	ROUTE M	LT.	TAOS	6	6		12.8	13		22	
360+21.98	360+55.88	ROUTE M	LT.	TAOS	6	6	24.0		24		34	
360+55.88	360+82.75	ROUTE M	LT.	TAOS	6	6		17.6	18		27	
361+02.74	361+24.63	ROUTE M	LT.	TAOS	6	6		14.3	14		22	
361+24.63	361+39.28	ROUTE M	LT.	TAOS	6	6	9.8		10		15	
361+39.28	361+65.08	ROUTE M	LT.	TAOS	6	6		14.3	14		26	
361+84.04	361+89.03	ROUTE M	LT.	TAOS	6	6		2.9	3		5	
361+89.03	362+05.98	ROUTE M	LT.	TAOS	6	6	11.4		11		17	
362+05.98	362+10.98	ROUTE M	LT.	TAOS	6	6		2.9	3		5	
362+22.96	362+44.85	ROUTE M	LT.	TAOS	6	6		14.3	14		22	
362+44.85	363+58.62	ROUTE M	LT.	TAOS	6	6	75.8		76		112	
363+63.60	363+69.17	ROUTE M	LT.	TAOS	6	6		3.3	3		6	
364+10.17	364+24.56	ROUTE M	LT.	TAOS	6	6		9.2	9		14	
363+24.56	364+78.13	ROUTE M	LT.	TAOS	6	6	35.7		36		154	
364+78.13	364+98.13	ROUTE M	LT.	TAOS	6	6	3.9	12.9	17		20	
365+28.13	365+42.87	ROUTE M	LT.	TAOS	6	6		9.4	9		15	
365+42.87	365+84.81	ROUTE M	LT.	TAOS	6	6	28.0		28		42	
365+84.81	365+92.72	ROUTE M	LT.	TAOS	6	6		4.9	5		8	
366+03.05	366+14.07	ROUTE M	LT.	TAOS	6	6		7.0	7		11	
366+14.07	367+05.89	ROUTE M	LT.	TAOS	6	6	69.7		70		92	
367+05.89	367+18.55	ROUTE M	LT.	TAOS	6	6		8.0	8		13	
367+40.99	367+53.65	ROUTE M	LT.	TAOS	6	6		8.1	8		13	
367+53.65	367+83.11	ROUTE M	LT.	TAOS	6	6	20.0		20		29	
367+83.11	367+92.26	ROUTE M	LT.	TAOS	6	6		6.9	7		9	
368+04.03	368+11.99	ROUTE M	LT.	TAOS	6	6		4.8	5		8	
368+11.99	368+73.35	ROUTE M	LT.	TAOS	6	6	41.7		42		61	
368+73.35	368+88.87	ROUTE M	LT.	TAOS	6	6		10.1	10		16	
369+00.64	369+11.17	ROUTE M	LT.	TAOS	6	6		6.7	7		11	
Location 11 - FRANKENSTEIN												
383+31.22	386+12.99	ROUTE C	LT.	FRANKENSTEIN	5	5	156.3		153		279	
386+12.99	386+25.99	ROUTE C	LT.	FRANKENSTEIN	5	5		7.2	7		13	
386+47.99	386+60.99	ROUTE C	LT.	FRANKENSTEIN	5	5		7.3	7		13	
386+60.99	387+41.13	ROUTE C	LT.	FRANKENSTEIN	5	5	44.5		42		80	
SUBTOTALS							716.0	274.8	985	0.0	1,730	

SIDEWALKS TABLE 1	SUBTOTAL	1,312.8	159.3	1,473	249.0	2,719
SIDEWALKS TABLE 2	SUBTOTAL	1,343.8	302.6	1,650	238.0	2,206
SIDEWALKS TABLE 3	SUBTOTAL	716.0	274.8	985	0.0	1,730
	PAY TOTAL	3,372.6	736.7	4,108	487.0	6,655

SUMMARY OF QUANTITIES
SHEET 5 OF 10

STATE OF MISSOURI
SEAN L MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 4/7/2025
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY COLE/OSAGE
JOB NO. JCD0126
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

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

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Carthage, MO 64836
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PAVED APPROACH

STA.	ROUTE	LOCATION	TOWN	WIDTH (FT)	RADIUS (LF)	TYPE 1 DRWY 7" CONC. (SY)	7" PAVED APPROACH (SY)	8" PAVED APPROACH (SY)	4" TYPE 5 AGGR. BASE (SY)	4" GRAVEL A OR CRUSHED STONE B (SY)	REMARKS
LOCATION 1 - STRIP MALL											
376+40.26	OR-50	RT.	JEFF. CITY	68	43 LT 37 RT			103.8	104		
380+88.67	OR-50	RT.	JEFF. CITY	62	25 LT 45 RT			96.8	97		
LOCATION 2 - MODOT											
51+15.37	BUS 50	LT.	JEFF. CITY	70				94.2	94		
52+95.27	BUS 50	LT.	JEFF. CITY	37				86.5	87		
56+10.37	BUS 50	LT.	JEFF. CITY	42				141.1	141		
LOCATION 9 - WARDSVILLE											
10+84.99	ROUTE W	RT.	WARDSVILLE	16			44.5		45		
12+14.24	ROUTE W	RT.	WARDSVILLE	13			39.1		39		
LOCATION 10 - TAOS											
340+04.21	ROUTE M	LT.	TAOS	18		29.2			29		
341+31.66	ROUTE M	LT.	TAOS	16		26.0			26		
342+12.71	ROUTE M	LT.	TAOS	13		23.1			23		
342+38.77	ROUTE M	LT.	TAOS	13		18.7			19	7	
343+14.24	ROUTE M	LT.	TAOS	21		27.3			27		
344+09.24	ROUTE M	LT.	TAOS	15		23.2			23		
344+92.83	ROUTE M	LT.	TAOS	33		56.8			57		
347+36.37	ROUTE M	LT.	TAOS	25				67.8	68		
349+14.31	ROUTE M	LT.	TAOS	15		20.3			20		
350+61.29	ROUTE M	LT.	TAOS	9.5		10.5			11	2	
351+30.23	ROUTE M	LT.	TAOS	17		34.4			34		
351+85.64	ROUTE M	LT.	TAOS	11		12.7			13	11	
353+02.60	ROUTE M	LT.	TAOS	58		88.8			89		
354+20.61	ROUTE M	LT.	TAOS	12		15.1			15	12	
355+10.35	ROUTE M	LT.	TAOS	18.5		30.3			30		
359+80.41	ROUTE M	LT.	TAOS	36		71.3			71		
360+93.45	ROUTE M	LT.	TAOS	20		26.2			26	5	
361+73.07	ROUTE M	LT.	TAOS	19		23.0			23	8	
362+15.92	ROUTE M	LT.	TAOS	12		18.4			18		
363+89.64	ROUTE M	LT.	TAOS	41		89.1			89		
365+13.13	ROUTE M	LT.	TAOS	30		38.6			39	28	
365+97.63	ROUTE M	LT.	TAOS	10.5		16.4			16	6	
367+29.77	ROUTE M	LT.	TAOS	22.8		37.9			38		
367+98.11	ROUTE M	LT.	TAOS	12		17.4			17	2	
368+94.75	ROUTE M	LT.	TAOS	12		17.8			18	3	
LOCATION 11 - FRANKENSTEIN											
386+36.89	ROUTE C	LT.	FRANKENSTEIN	22			44.0		44		
TOTALS						772.5	127.6	590.2	1490	84	

MISC. {ADJUST WATER VALVE}

STA.	ROUTE	LOCATION	TOWN	EACH	REMARKS
LOCATION 10 - TAOS					
354+93.11	ROUTE M	LT.	TAOS	1	
354+94.64	ROUTE M	LT.	TAOS	1	
355+37.23	ROUTE M	LT.	TAOS	1	
TOTAL				3	

ADJUSTING MANHOLE

STA.	ROUTE	LOCATION	TOWN	EACH	REMARKS
LOCATION 2 - BU50 (MODOT)					
51+35.39	BU50	39.44' LT.	JEFF. CITY	1	LID IN APPROACH FOR STORM SEWER
LOCATION 7 - US50/ MADISON ST. INT.					
28+90.01	US50	67.07' RT.	JEFF. CITY	1	LID IN SIDEWALK FOR SEWER
TOTAL				2	

SUMMARY OF QUANTITIES
SHEET 6 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 4/7/2025
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY COLE/OSAGE
JOB NO. JCD0126
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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CONCRETE CURB & GUTTER (TABLE 1 OF 2)

STA.	STA.	ROUTE	LOCATION	TOWN	CURB & GUTTER TYPE B (8 IN.) (LF)	CURB & GUTTER TYPE A (6 IN.) (LF)	CONC. CURB (OVER 6 IN.) TYPE S (LF)	4" TYPE 5 AGGR. (SY)	SIDEWALK HAND-RAILING WITHOUT BALUSTERS	REMARKS
LOCATION 2 - MODOT										
49+89.09	49+96.27	BUS 50	MODOT	JEFF. CITY	15			5		
62+22.19	61+37.47	BUS 50	MODOT	JEFF. CITY	20			7		
LOCATION 5 - BROADWAY										
12+24.47	12+26.25	BROADWAY	LT.	JEFF. CITY		15	25	5		
13+01.43	13+12.84	BROADWAY	LT.	JEFF. CITY		22	27	7		
12+23.44	12+43.67	BROADWAY	RT.	JEFF. CITY		34	49	11		
12+82.87	12+99.94	BROADWAY	RT.	JEFF. CITY		7	48	2		
13+00.49	13+15.76	BROADWAY	RT.	JEFF. CITY		14		5		
LOCATION 6 - JEFFERSON										
23+59.87	23+75.07	JEFFERSON	LT.	JEFF. CITY			36			
23+63.31	23+81.54	JEFFERSON	LT.	JEFF. CITY		25		8		
24+31.63	24+63.75	JEFFERSON	LT.	JEFF. CITY		44		15		
24+54.20	24+56.73	JEFFERSON	LT.	JEFF. CITY			62			
23+57.54	23+76.79	JEFFERSON	RT.	JEFF. CITY			27			
23+76.79	24+02.39	JEFFERSON	RT.	JEFF. CITY		44		15		
24.42.11	24+74.92	JEFFERSON	RT.	JEFF. CITY		37		12		
24+49.87	24+61.29	JEFFERSON	RT.	JEFF. CITY			42			
LOCATION 7 - MADISON										
28+66.60	28+92.39	MADISON	LT.	JEFF. CITY		36	54	12		
29+42.54	29+67.40	MADISON	LT.	JEFF. CITY		36	45	12		
28+71.59	28+94.87	MADISON	RT.	JEFF. CITY		40	19	13		
29+36.46	29+65.69	MADISON	RT.	JEFF. CITY		58	22	19		
LOCATION 8 - MONROE										
33+66.18	33+92.42	MONROE	LT.	JEFF. CITY		40	46	13		
33+71.11	33+80.94	MONROE	LT.	JEFF. CITY			13		14	
34+40.27	34+62.23	MONROE	LT.	JEFF. CITY		34		11		
33+68.60	33+96.38	MONROE	RT.	JEFF. CITY		42	39	14		
34+33.80	34+60.05	MONROE	RT.	JEFF. CITY		42	52	14		
LOCATION 10 - TAOS										
339+30.75	339+60.66	ROUTE M	LT.	TAOS	30		30	10		
339+74.15	339+90.13	ROUTE M	LT.	TAOS	16			5		
340+18.57	340+34.62	ROUTE M	LT.	TAOS	16			5		
341+03.39	341+18.48	ROUTE M	LT.	TAOS	15			5		
341+44.92	341+55.12	ROUTE M	LT.	TAOS	10			3		
341+86.93	342+01.01	ROUTE M	LT.	TAOS	14			5		
342+49.99	342+60.03	ROUTE M	LT.	TAOS	10			3		
342+65.18	342+74.84	ROUTE M	LT.	TAOS			10			
342+79.30	342+88.86	ROUTE M	LT.	TAOS			9			
342+84.37	342+99.44	ROUTE M	LT.	TAOS	15			5		
343+30.37	343+40.56	ROUTE M	LT.	TAOS	10			3		
343+81.51	343+96.57	ROUTE M	LT.	TAOS	15			5		
344+21.60	344+31.73	ROUTE M	LT.	TAOS	10			3		
344+55.47	344+65.47	ROUTE M	LT.	TAOS	10			3		
345+19.92	345+30.92	ROUTE M	LT.	TAOS	11			4		
347+65.25	347+75.13	ROUTE M	LT.	TAOS	10		63	3		
347+98.90	348+20.45	ROUTE M	LT.	TAOS	21			7		
348+82.97	349+01.63	ROUTE M	LT.	TAOS	18			6		
349+27.24	349+38.60	ROUTE M	LT.	TAOS	11			4		
349+53.65	350+09.06	ROUTE M	LT.	TAOS			53			
350+48.79	350+56.56	ROUTE M	LT.	TAOS	8			3		
350+66.52	350+70.83	ROUTE M	LT.	TAOS	4			1		
351+13.78	351+20.81	ROUTE M	LT.	TAOS	7			2		
351+43.51	351+50.70	ROUTE M	LT.	TAOS	7			2		
351+69.08	351+75.58	ROUTE M	LT.	TAOS	7			2		
351+94.04	352+01.07	ROUTE M	LT.	TAOS	7			2		
352+51.89	352+61.89	ROUTE M	LT.	TAOS	10			3		
SUBTOTALS					327	570	771	294	14	

SUMMARY OF QUANTITIES
SHEET 7 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 4/7/2025
ROUTE VAR. STATE MO
DISTRICT CD SHEET NO. 3
COUNTY COLE/OSAGE
JOB NO. JCD0126
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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CONCRETE CURB & GUTTER (TABLE 2 OF 2)

STA.	STA.	ROUTE	LOCATION	TOWN	CURB & GUTTER TYPE B (8 IN.) (LF)	CURB & GUTTER TYPE A (6 IN.) (LF)	CONC. CURB (OVER 6 IN.) TYPE S (LF)	4" TYPE 5 AGGR. (SY)	SIDEWALK HAND-RAILING WITHOUT BALUSTERS	REMARKS
LOCATION 10 - TAOS (CONT.)										
353+43.13	353+58.13	ROUTE M	LT.	TAOS	15			5		
353+43.11	353+97.40	ROUTE M	LT.	TAOS			54			
354+02.54	354+09.54	ROUTE M	LT.	TAOS	7			2		
354+32.00	354+41.01	ROUTE M	LT.	TAOS	9			3		
354+45.82	354+59.44	ROUTE M	LT.	TAOS			14			
354+63.46	354+82.17	ROUTE M	LT.	TAOS			20			
354+82.42	354+82.42	ROUTE M	LT.	TAOS	14			5		
355+20.09	355+30.48	ROUTE M	LT.	TAOS			11			
355+25.27	355+45.86	ROUTE M	LT.	TAOS	18			6		
359+38.99	359+50.99	ROUTE M	LT.	TAOS	12			4		
360+10.10	360+22.10	ROUTE M	LT.	TAOS	12			4		
360+56.00	360+78.00	ROUTE M	LT.	TAOS	22			7		
361+08.19	361+25.21	ROUTE M	LT.	TAOS	17			6		
361+39.86	361+59.52	ROUTE M	LT.	TAOS	17			6		
361+88.47	362+05.54	ROUTE M	LT.	TAOS	17			6		
362+27.51	362+44.70	ROUTE M	LT.	TAOS	17			6		
364+15.14	364+24.56	ROUTE M	LT.	TAOS	9			3		
364+78.16	364+93.15	ROUTE M	LT.	TAOS	14			5		
365+33.11	365+42.82	ROUTE M	LT.	TAOS	10			3		
365+84.94	365+87.65	ROUTE M	LT.	TAOS	3			1		
366+07.98	366+14.09	ROUTE M	LT.	TAOS	6			2		
367+06.07	367+13.62	ROUTE M	LT.	TAOS	8			3		
367+46.10	367+53.62	ROUTE M	LT.	TAOS	8			3		
367+83.32	367+87.42	ROUTE M	LT.	TAOS	4			1		
368+09.17	368+11.82	ROUTE M	LT.	TAOS	3			1		
368+73.55	368+83.94	ROUTE M	LT.	TAOS	10			3		
369+05.64	369+11.17	ROUTE M	LT.	TAOS	6			2		
SUBTOTALS					258	0	99	87	0	
CURB AND GUTTER TABLE 1			SUBTOTAL		327	570	771	294	14	
CURB AND GUTTER TABLE 2			SUBTOTAL		258	0	99	87	0	
			PAY TOTAL		585	570	870	381	14	

8" CONCRETE MEDIAN STRIP

STA.	STA.	ROUTE	LOCATION	TOWN	8" CONCRETE (SY)	TUBULAR MARKER (EA)	REMARKS
LOCATION 5 - BROADWAY							
12+27.09	12+48.13	BROADWAY	LT.	JEFF. CITY	24.4	3	ISLAND
12+85.34	13+03.93	BROADWAY	LT.	JEFF. CITY	20.7	5	ISLAND
LOCATION 6 - JEFFERSON							
23+57.64	23+98.09	JEFFERSON	LT.	JEFF.CITY	60.7	3	ISLAND
23+57.54	23+76.73	JEFFERSON	RT.	JEFF.CITY		2	CURB
LOCATION 8 - MONROE							
33+82.01	33+95.64	MONROE	LT.	JEFF. CITY	8.7	3	ISLAND
34+39.27	34+66.72	MONROE	LT.	JEFF. CITY	29.7	3	ISLAND
TOTAL					144.2	19	

8" CONCRETE MEDIAN

STA.	ROUTE	LOCATION	TOWN	8" CONCRETE (SY)
LOCATION 8 - MONROE				
33+80.84	MONROE	RT.	JEFF. CITY	0.6
33+81.00	MONROE	LT.	JEFF. CITY	6.0
34+38.97	MONROE	RT.	JEFF. CITY	1.0
34+50.38	MONROE	RT.	JEFF. CITY	0.9
TOTAL				8.5

CONTRACTOR FURNISHED SURVEYING AND STAKING
1 LUMP SUM

MOBILIZATION
1 LUMP SUM

SUMMARY OF QUANTITIES
SHEET 8 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 4/7/2025
ROUTE VAR. STATE MO
DISTRICT CD SHEET NO. 3
COUNTY COLE/OSAGE
JOB NO. JCD0126
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

STA.	STA.	ROUTE	LOCATION	TOWN	PREFORMED THERMOPLASTIC 30 IN. WHITE MIDBLOCK (EACH)	PREFORMED THERMOPLASTIC PAV'T MARKING 24 IN. WHITE (LF)	HIGH BUILD PAV'T MARKING PAINT TYPE L BEADS, 12 IN. WHITE (LF)	PREFORMED THERMOPLASTIC 12 IN. WHITE YIELD LINE TRIANGLE (EACH)	PAV'T MARKING REMOVAL (LF)	REMARKS
LOCATION 5 - BROADWAY										
12+21.50		BROADWAY	RT.	JEFF. CITY		46				
12+27.46	12+41.53	BROADWAY	LT.	JEFF. CITY	3			11	70.00	
12+30.22	12+32.86	BROADWAY	RT. / LT.	JEFF. CITY	17				220.00	
12+37.52		BROADWAY	LT.	JEFF. CITY			71			ISLAND
12+87.61	13+12+73	BROADWAY	RT. / LT.	JEFF. CITY	14				200.00	
12+94.67		BROADWAY	LT.	JEFF. CITY			60			ISLAND
12+96.65	13+10.81	BROADWAY	LT.	JEFF. CITY	3			11	70.00	
13+12.25		BROADWAY	LT.	JEFF. CITY		47				
LOCATION 6 - JEFFERSON										
23+66.44		JEFFERSON	RT.	JEFF. CITY		33				
23+75.72	23+76.71	JEFFERSON	RT. / LT.	JEFF. CITY	12				200.00	
23+71.62	23+88.64	JEFFERSON	LT.	JEFF. CITY	3			9		
23+78.45		JEFFERSON	LT.	JEFF. CITY			116			ISLAND
23+97.87	24+38.70	JEFFERSON	LT.	JEFF. CITY	7				80.00	
24+03.48		JEFFERSON	LT.	JEFF. CITY		12				
24+15.76		JEFFERSON	LT.	JEFF. CITY		12				
24+17.13		JEFFERSON	RT.	JEFF. CITY		12				
24+32.42		JEFFERSON	RT.	JEFF. CITY		19				
24+50.09	24+60.39	JEFFERSON	RT. / LT.	JEFF. CITY	14				200.00	
24+63.54		JEFFERSON	LT.	JEFF. CITY		33				
LOCATION 7 - MADISON										
28+65.17		MADISON	RT.	JEFF. CITY		33				
28+71.67	28+77.65	MADISON	RT. / LT.	JEFF. CITY	13				200.00	
28+91.41	29+41.91	MADISON	LT.	JEFF. CITY	9				112.00	
29+04.23		MADISON	LT.	JEFF. CITY		28				
29+15.96		MADISON	RT.	JEFF. CITY		11				
29+27.80		MADISON	RT.	JEFF. CITY		12				
29+47.87	29+62.45	MADISON	RT. / LT.	JEFF. CITY	13				200.00	
29+69.00		MADISON	LT.	JEFF. CITY		35				
LOCATION 8 - MONROE										
33+68.27		MONROE	RT.	JEFF. CITY		36				
33+73.65	33+87.94	MONROE	LT.	JEFF. CITY	3			9	64.00	
33+74.31	33+90.74	MONROE	RT. / LT.	JEFF. CITY	12				200.00	
33+88.64		MONROE	LT.	JEFF. CITY			34			ISLAND
33+89.97	34+40.47	MONROE	RT.	JEFF. CITY	9				120.00	
34+24.04		MONROE	RT.	JEFF. CITY		23				
34+05.44		MONROE	LT.	JEFF. CITY		11				
34+49.96	34+55.63	MONROE	LT.	JEFF. CITY	3			10	71.00	
34+48.67	34+57.22	MONROE	RT. / LT.	JEFF. CITY	12				200.00	
34+50.10		MONROE	LT.	JEFF. CITY			74			ISLAND
34+61.45		MONROE	LT.	JEFF. CITY		35				
TOTAL					147	438	355	50	2207	

SEEDING & MULCH / SOD

LOCATION	ROUTE	TOWN	TEMPORARY SEEDING (AC.)	MULCHING (AC.)	SEEDING - COOL SEASON GRASSES (AC.)	TURF TYPE TALL FESCUE SODDING (SY)
LOCATION 1 - STRIP MALL	OR-50	JEFF. CITY				451
LOCATION 2 - MODOT	BUS 50	JEFF. CITY				426
LOCATION 3 - HIGH ST.	HIGH ST.	JEFF. CITY				28
LOCATION 4 - MAIN ST.	MAIN ST.	JEFF. CITY				29
LOCATION 5 - BROADWAY	BROADWAY	JEFF. CITY				50
LOCATION 6 - JEFFERSON	JEFFERSON	JEFF. CITY				1
LOCATION 7 - MADISON	MADISON	JEFF. CITY				93
LOCATION 8 - MONROE	MONROE	JEFF. CITY				77
LOCATION 9 - WARDSVILLE	ROUTE W	WARDSVILLE	0.05	0.10	0.05	
LOCATION 10 - TAOS	ROUTE M	TAOS	0.10	0.20	0.10	
LOCATION 11 - FRANKENSTEIN	ROUTE C	FRANKENSTEIN	0.05	0.10	0.05	
TOTAL			0.2	0.4	0.2	1155

TEMPORARY EROSION CONTROL

CURB INLET CHECK	14	EACH
SEDIMENT REMOVAL	2	CY

ADDITIONAL MOBILIZATION FOR SEEDING

3 EACH

SUMMARY OF QUANTITIES
SHEET 9 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 4/16/2025
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 3
COUNTY COLE/OSAGE
JOB NO. JCD0126
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)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00	2	32				SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00						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	5	80				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	2	32				ONE LANE ROAD AHEAD
WO20-5	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	3	48				FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00						SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00						END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	2	12				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						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	8	96				SPEED LIMIT XX
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00	12	24				SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00						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-7	48X24	8.00	2	16				WORK ZONE NO PHONE ZONE
CONST-7	72X36	18.00						
CONST-8	48X36	12.00						

616-10.05 CONSTRUCTION SIGNS	TOTAL
	340

616-10.10 RELOCATED SIGNS	TOTAL
	0

TEMPORARY TRAFFIC CONTROL
PAY TOTAL = 1 LUMP SUM

** NOT INCLUDED IN TEMPORARY TRAFFIC CONTROL-1 LUMP SUM QUANTITY

EFFECTIVE: 07-01-2024

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123001	1**	TRUCK MOUNTED ATTENUATOR (TMA)
6161008	2	ADVANCED WARNING RAIL SYSTEM
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	130	CHANNELIZER (TRIM LINE)
6161030		TYPE III MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040		FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A	2**	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
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
6169901	20**	ADA COMPLIANT TYPE III MOVEABLE BARRICADE

SUMMARY OF QUANTITIES
SHEET 10 OF 10

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 4/7/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	3

COUNTY: COLE/OSAGE
JOB NO.: JCD0126
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)

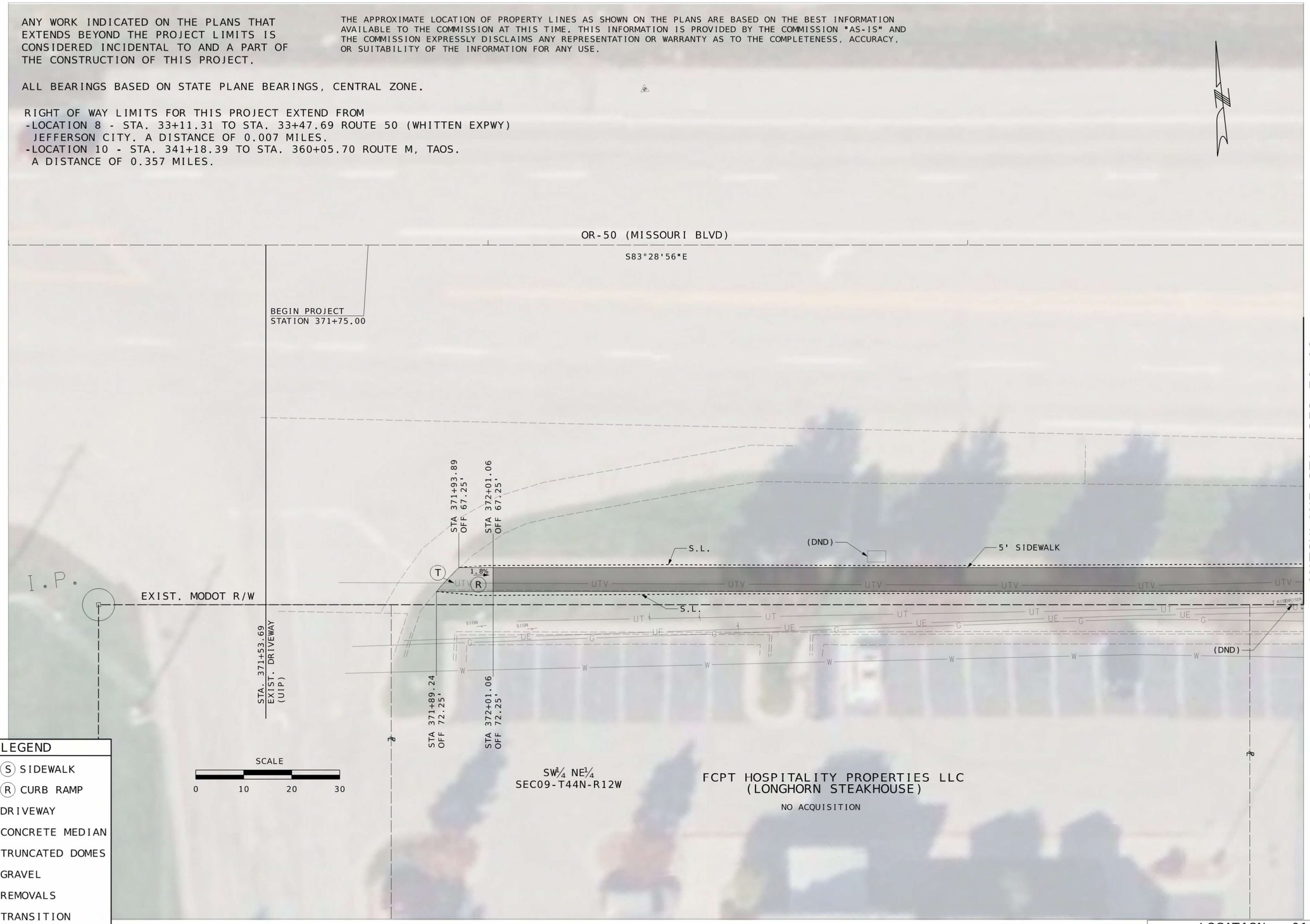
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

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

THE APPROXIMATE LOCATION OF PROPERTY LINES 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.

ALL BEARINGS BASED ON STATE PLANE BEARINGS, CENTRAL ZONE.

RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM
-LOCATION 8 - STA. 33+11.31 TO STA. 33+47.69 ROUTE 50 (WHITTEN EXPWY) JEFFERSON CITY. A DISTANCE OF 0.007 MILES.
-LOCATION 10 - STA. 341+18.39 TO STA. 360+05.70 ROUTE M, TAOS. A DISTANCE OF 0.357 MILES.



LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 01
JEFFERSON CITY - OR 50

STATE OF MISSOURI
SEAN L MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	4
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

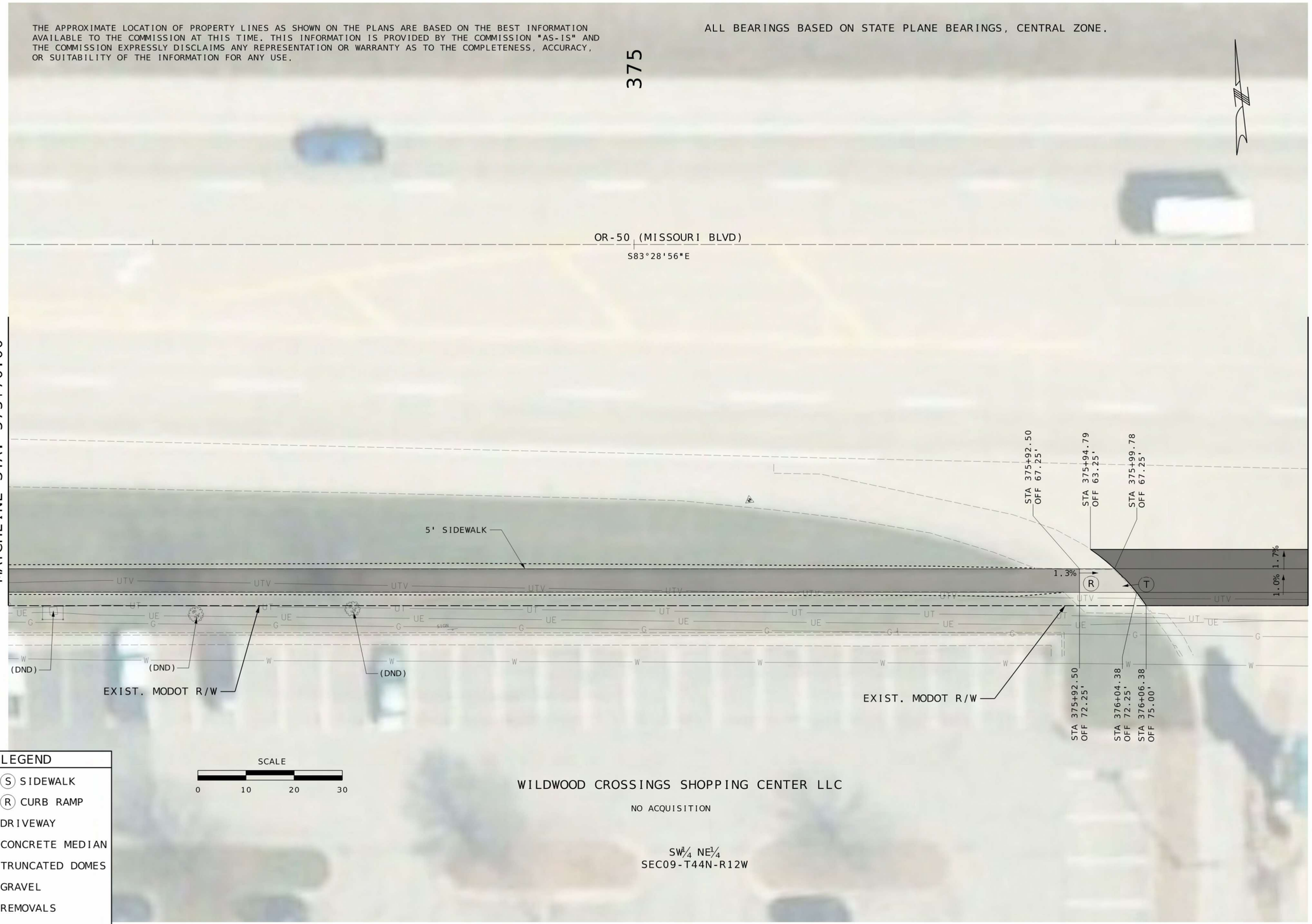
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.™

THE APPROXIMATE LOCATION OF PROPERTY LINES 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.

ALL BEARINGS BASED ON STATE PLANE BEARINGS, CENTRAL ZONE.



LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 01
JEFFERSON CITY - OR 50

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	5
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

2215 Fairlawn Dr
Carthage, MO 64836
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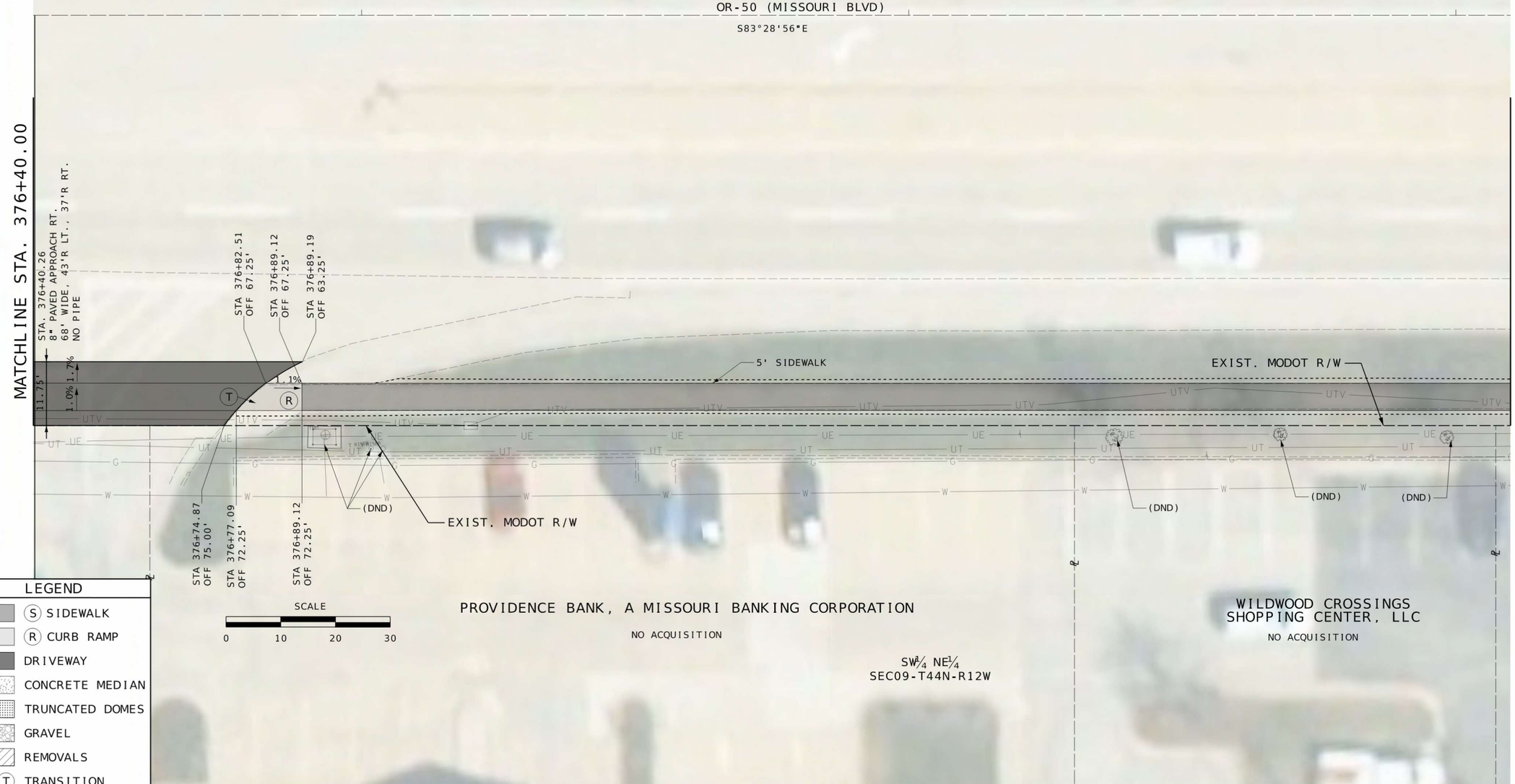

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 01
JEFFERSON CITY - OR 50

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	6
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

2215 Fairlawn Dr
Carthage, MO 64836
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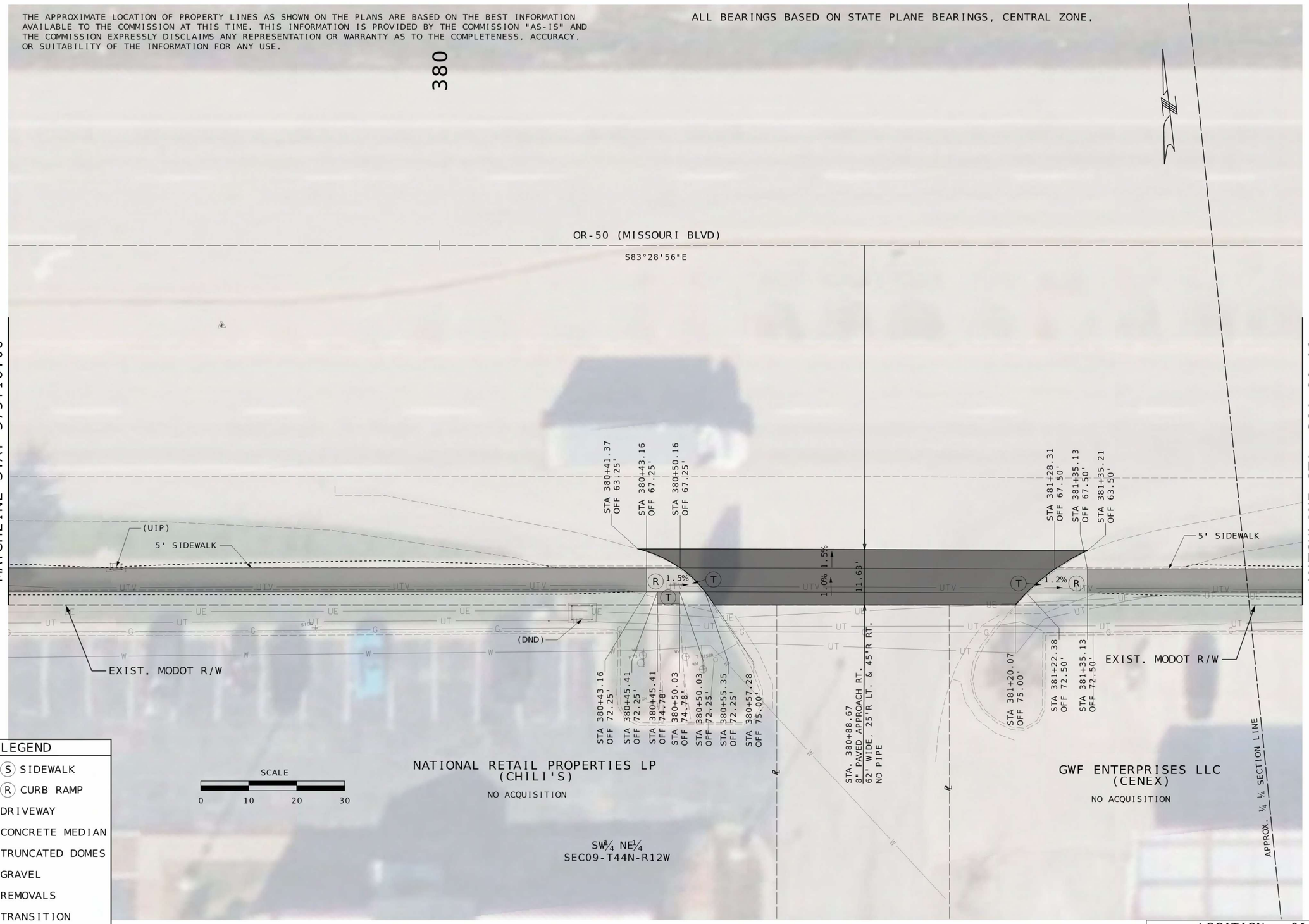

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 01
JEFFERSON CITY - OR 50

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE: VAR.	STATE: MO
DISTRICT: CD	SHEET NO.: 7
COUNTY: COLE/OSAGE	
JOB NO.: JCD0126	
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)

2215 Fairlawn Dr
Carthage, MO 64836
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ALL BEARINGS BASED ON STATE PLANE BEARINGS, CENTRAL ZONE.

LEGEND	
S	SIDEWALK
R	CURB RAMP
	DRIVEWAY
	CONCRETE MEDIAN
	TRUNCATED DOMES
	GRAVEL
	REMOVALS
T	TRANSITION
L	LANDING

LOCATION - 01
JEFFERSON CITY - OR 50

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE: VAR.	STATE: MO
DISTRICT: CD	SHEET NO.: 8
COUNTY: COLE/OSAGE	
JOB NO.: JCD0126	
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
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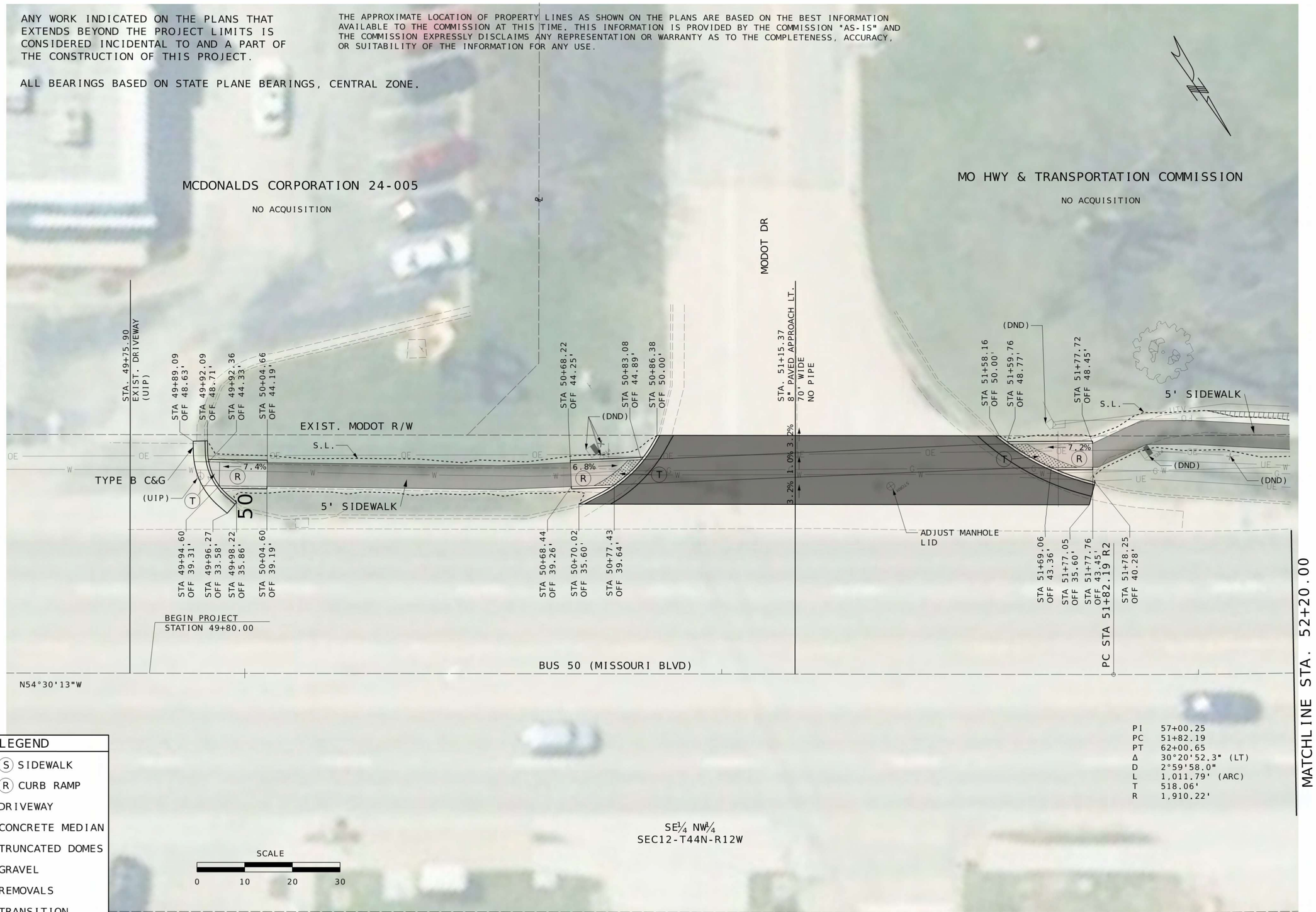

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 02
JEFFERSON CITY - BUS 50

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	9
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

2215 Fairlawn Dr.
Carthage, MO 64836
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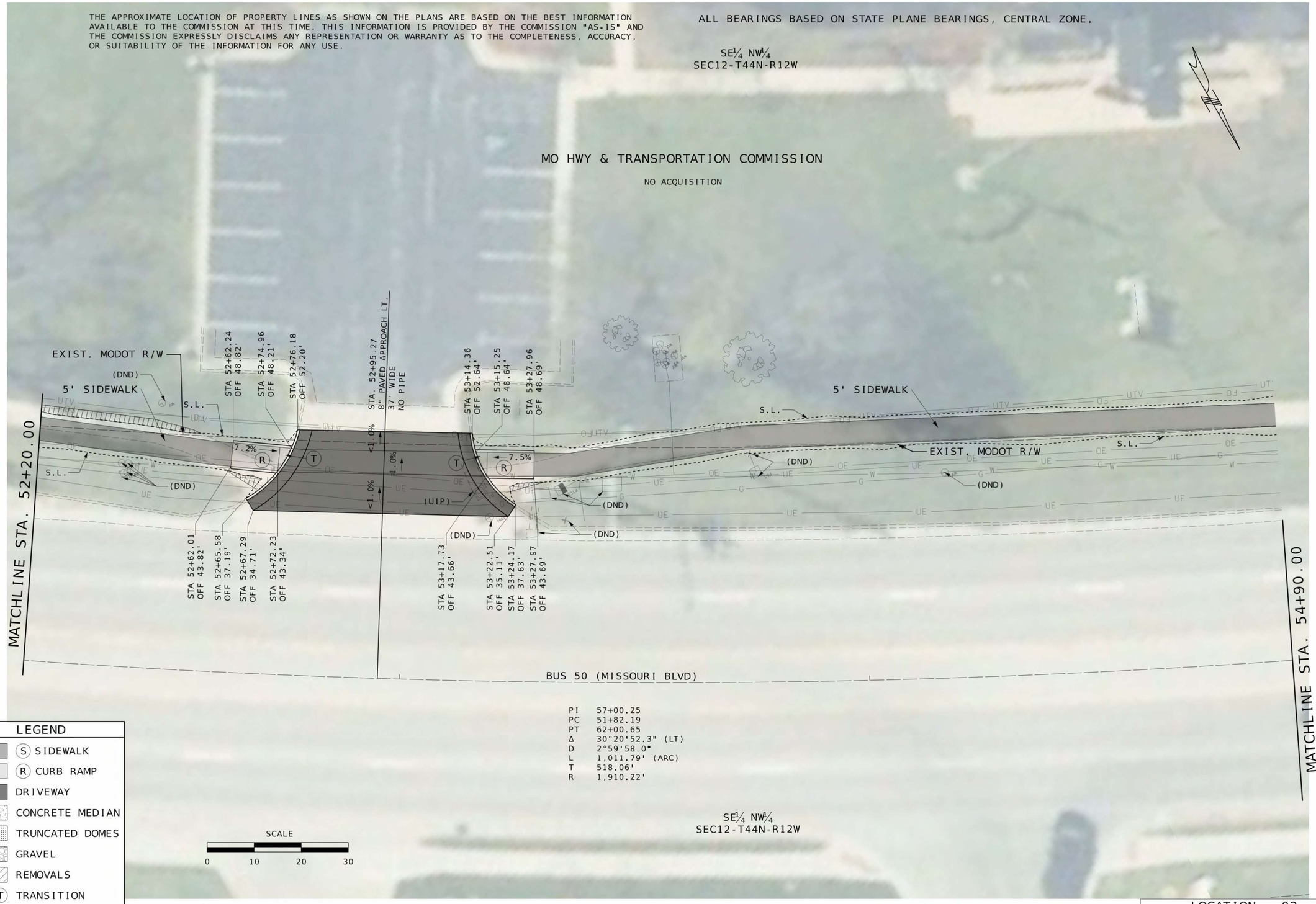

PI 57+00.25
PC 51+82.19
PT 62+00.65
Δ 30°20'52.3" (LT)
D 2°59'58.0"
L 1,011.79' (ARC)
T 518.06'
R 1,910.22'

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 02
JEFFERSON CITY - BUS 50

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE: VAR.	STATE: MO
DISTRICT: CD	SHEET NO.: 10
COUNTY: COLE/OSAGE	
JOB NO.: JCD0126	
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)

OWN
Engineering beyond.™
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Carthage, MO 64836
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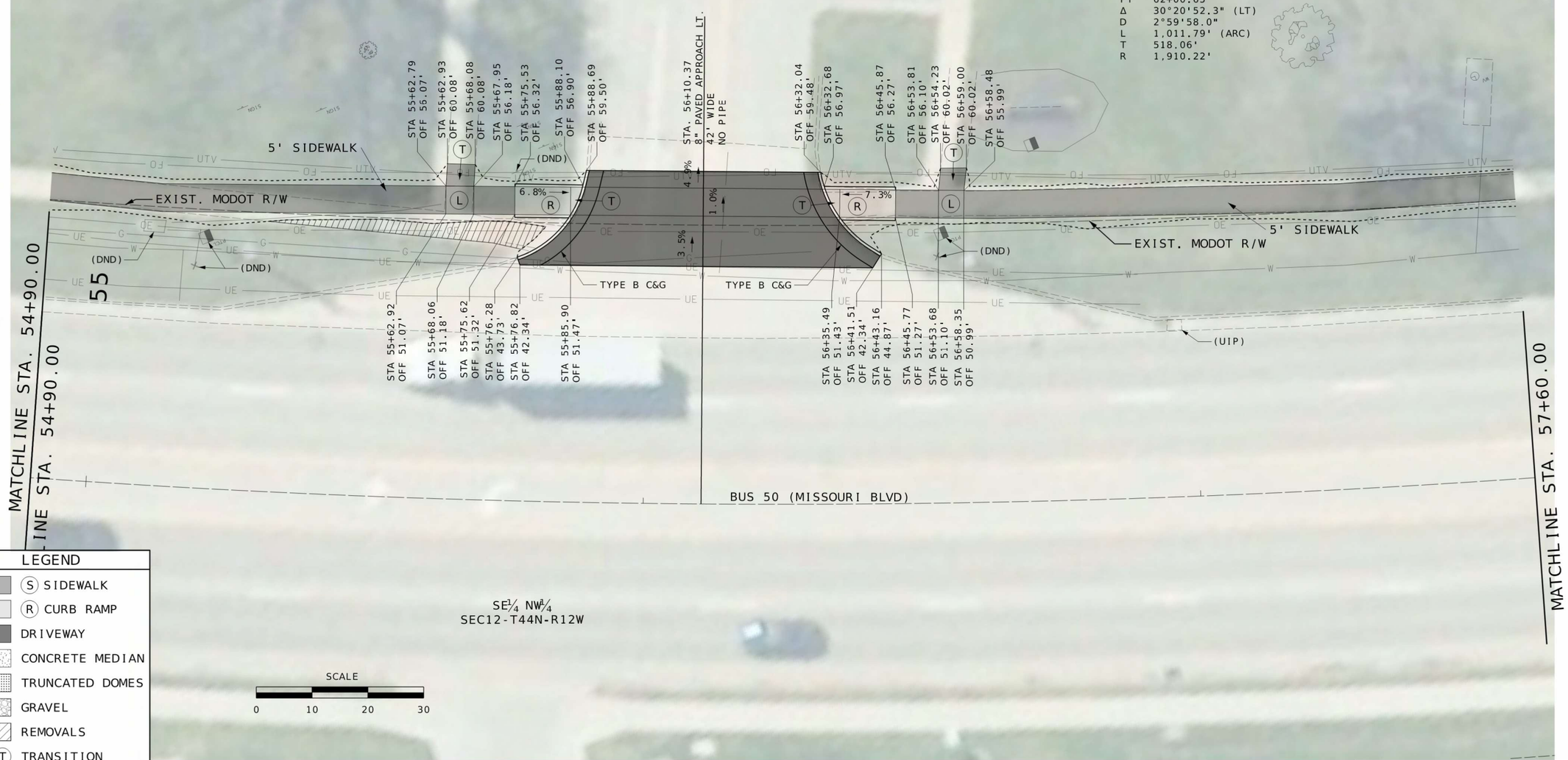
ALL BEARINGS BASED ON STATE PLANE BEARINGS, CENTRAL ZONE.

SE¼ NW¼
SEC12-T44N-R12W

MO HWY & TRANSPORTATION COMMISSION

NO ACQUISITION

PI	57+00.25
PC	51+82.19
PT	62+00.65
Δ	30°20'52.3" (LT)
D	2°59'58.0"
L	1,011.79' (ARC)
T	518.06'
R	1,910.22'



LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 02
JEFFERSON CITY - BUS 50

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	11
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

2215 Fairlawn Dr
Carthage, MO 64836
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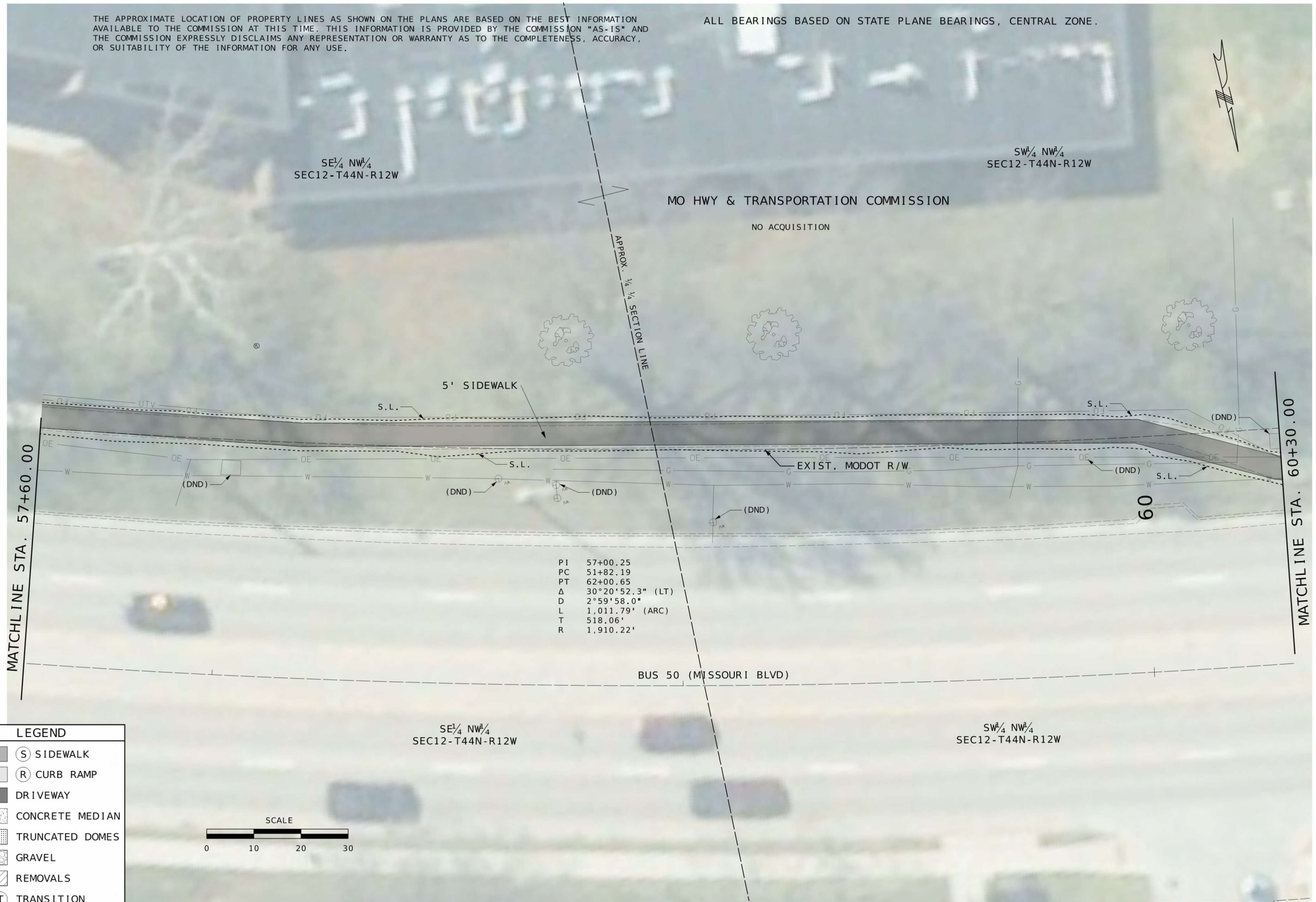

LEGEND
(S) SIDEWALK
(R) CURB RAMP
DRIVEWAY
CONCRETE MEDIAN
TRUNCATED DOMES
GRAVEL
REMOVALS
(T) TRANSITION
(L) LANDING

LOCATION - 02
JEFFERSON CITY - BUS 50

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	12
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
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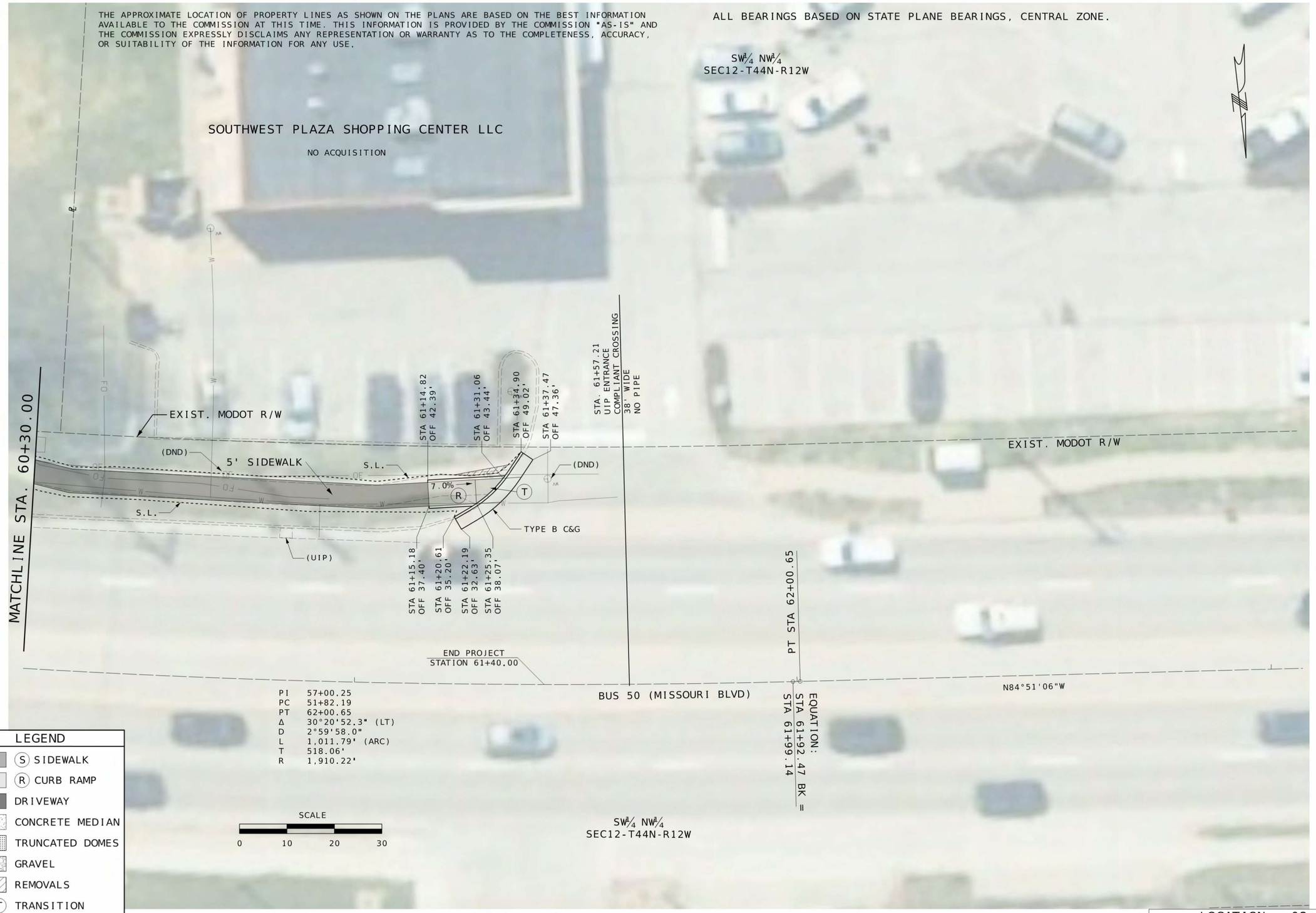

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 02
JEFFERSON CITY - BUS 50

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	13
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

OWN
Engineering beyond.™
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
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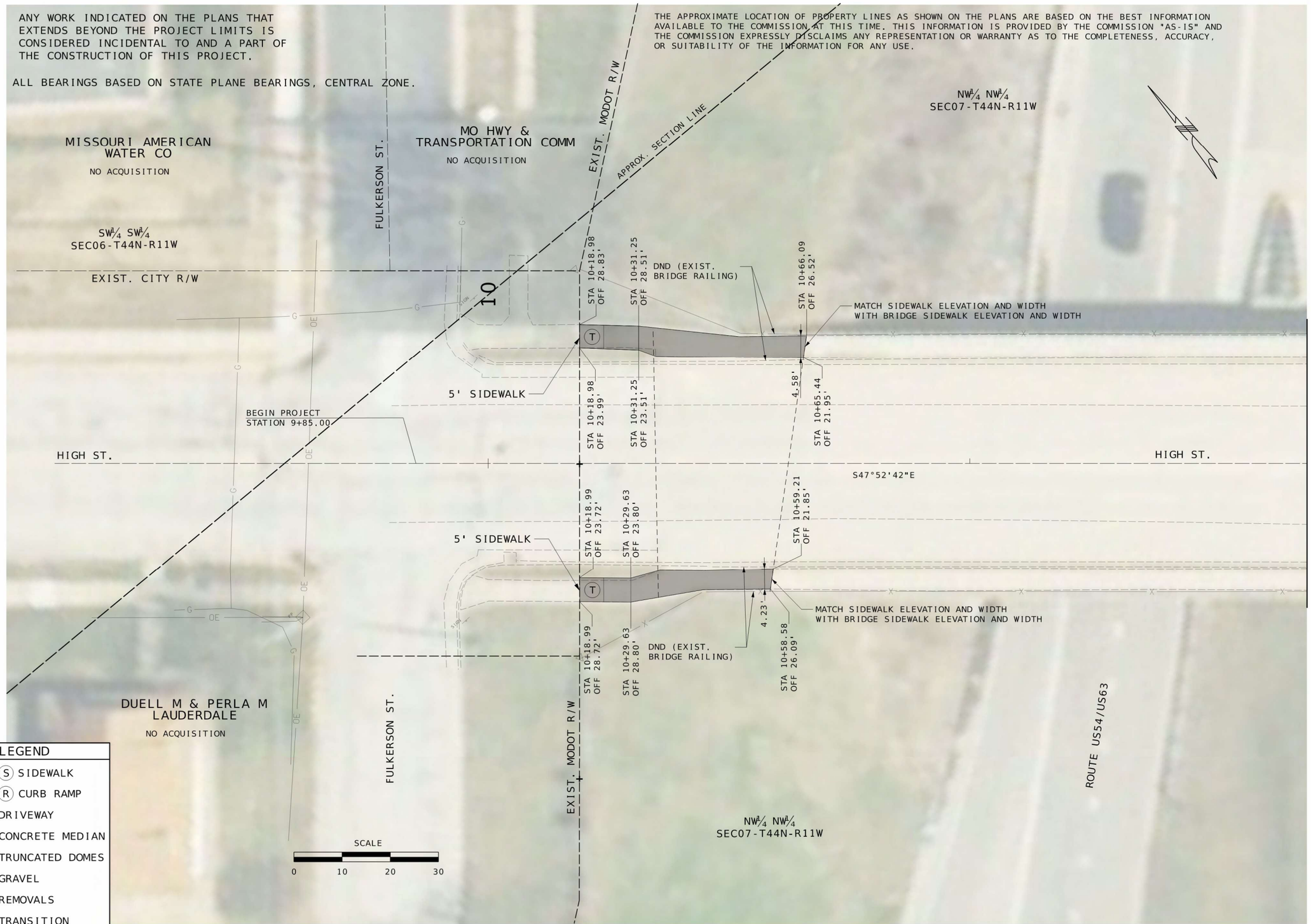

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 03
JEFFERSON CITY - HIGH ST.

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	14
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

2215 Fairlawn Dr.
Carthage, MO 64836
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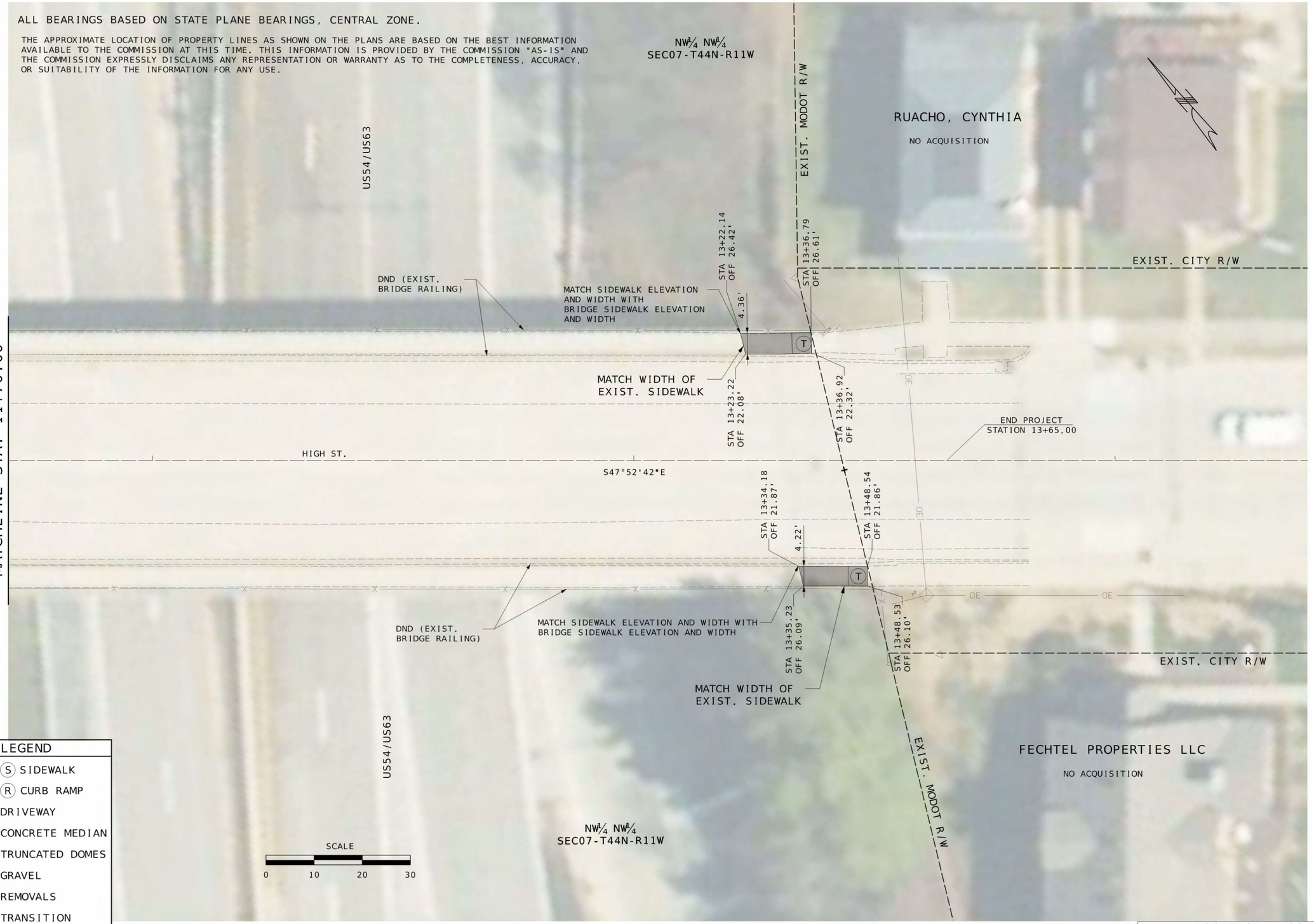

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 03
JEFFERSON CITY - HIGH ST.

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	15
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

OWN
2215 Fairlawn Dr
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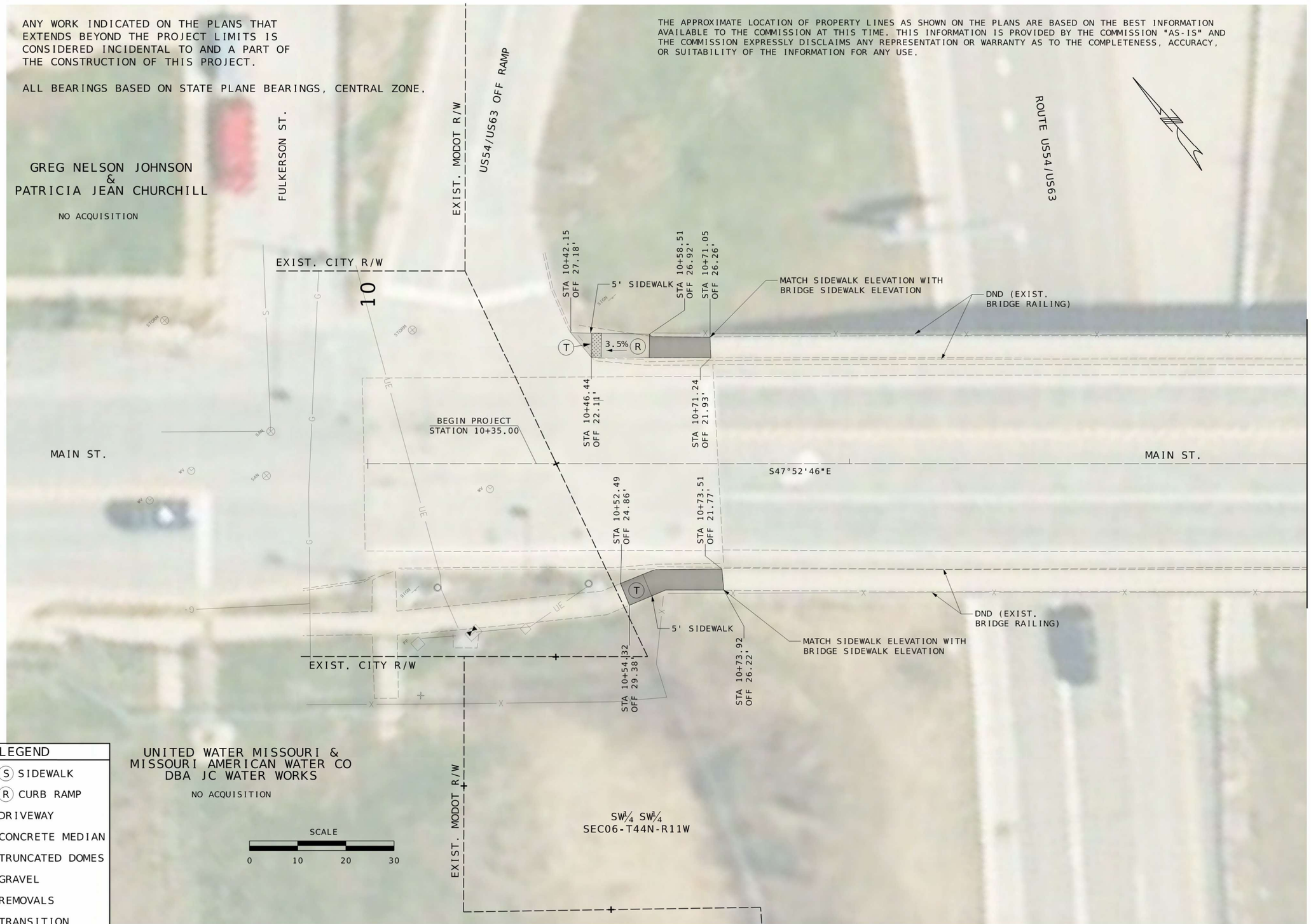

LEGEND
(S) SIDEWALK
(R) CURB RAMP
DRIVEWAY
CONCRETE MEDIAN
TRUNCATED DOMES
GRAVEL
REMOVALS
(T) TRANSITION
(L) LANDING

LOCATION - 04
JEFFERSON CITY - MAIN ST.

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	16
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

2215 Fairlawn Dr
Carthage, MO 64836
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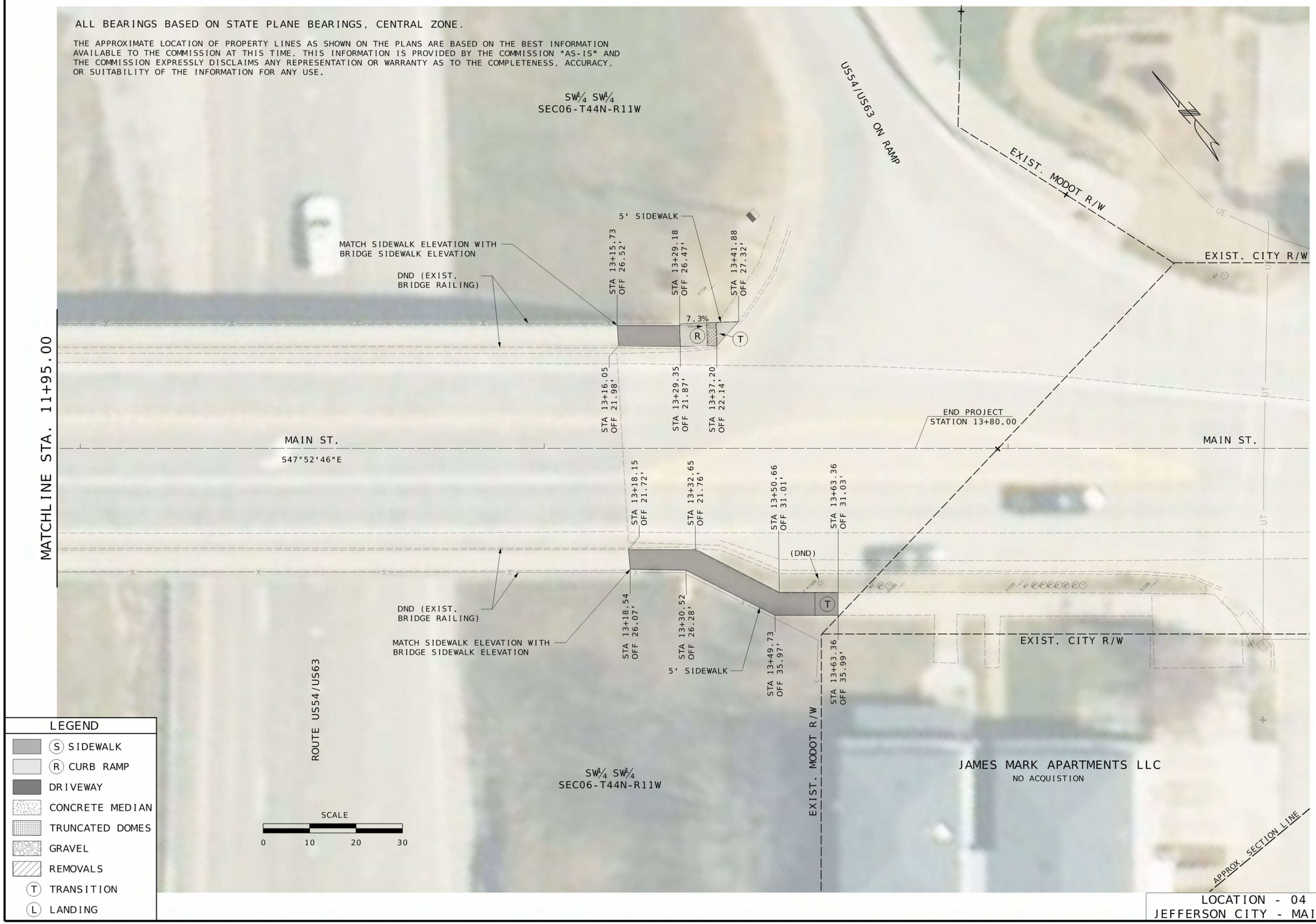

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 04
JEFFERSON CITY - MAIN ST.

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE: VAR.	STATE: MO
DISTRICT: CD	SHEET NO.: 17
COUNTY: COLE/OSAGE	
JOB NO.: JCD0126	
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)

OWN
2215 Fairlawn Dr
Carthage, MO 64836
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ALL BEARINGS BASED ON STATE PLANE BEARINGS, CENTRAL ZONE.

SE¼ NW¼
SEC07-T44N-R11W

NE¼ SW¼
SEC07-T44N-R11W

BEGIN PROJECT
STATION 12+00.00

END PROJECT
STATION 13+50.00

STA. 12+65.10 ℄ RTE. 50/63
STA. 3+50.00 ℄ BROADWAY ST.

ROUTE 50 (WHITTON EXPWY.)

BROADWAY ST.

W MILLER ST.

EXIST. CITY R/W

EXIST. MODOT R/W

APPROX. SECTION LINE

REMOVE AND REPLACE 24" STOP BARS

REMOVE AND REPLACE EXIST. ISLANDS

MIDBLOCK CROSSING

TUBULAR MARKER

TYPE A C&G

5' SIDEWALK

6' SIDEWALK

(DND)

(UIP)

*ROADWAY GRADE EXCEPTION

4' MIN.

12" WHITE YIELD TRIANGLES

STA 12+27.29
OFF 51.08'

STA 12+34.78
OFF 75.67'

STA 12+39.84
OFF 74.84'

STA 12+32.20
OFF 54.20'

STA 12+30.81
OFF 47.52'

STA 12+24.47
OFF 82.26'

STA 12+38.89
OFF 65.80'

STA 12+22.95
OFF 91.59'

STA 12+27.40
OFF 89.31'

STA 12+27.17
OFF 86.77'

STA 12+41.97
OFF 69.87'

STA 12+89.33
OFF 59.52'

STA 12+88.84
OFF 75.57'

STA 12+93.80
OFF 76.66'

STA 12+94.32
OFF 59.67'

STA 13+08.73
OFF 40.69'

STA 13+14.04
OFF 39.13'

STA 13+08.61
OFF 37.34'

STA 13+13.90
OFF 36.37'

STA 12+87.31
OFF 47.53'

STA 12+92.34
OFF 47.71'

STA 12+95.45
OFF 61.51'

STA 12+98.54
OFF 57.58'

STA 13+10.61
OFF 75.05'

STA 13+13.44
OFF 71.19'

STA 13+15.77
OFF 73.48'

STA 13+12.86
OFF 77.25'

6.3%*

7.8%

4.7%

<1%

1.2%

4.5%

1.5%

SCALE
0 10 20 30

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 05
JEFFERSON CITY - US50/BROADWAY ST.

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
4/7/2025	
ROUTE: VAR.	STATE: MO
DISTRICT: CD	SHEET NO.: 18
COUNTY: COLE/OSAGE	
JOB NO.: JCD0126	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

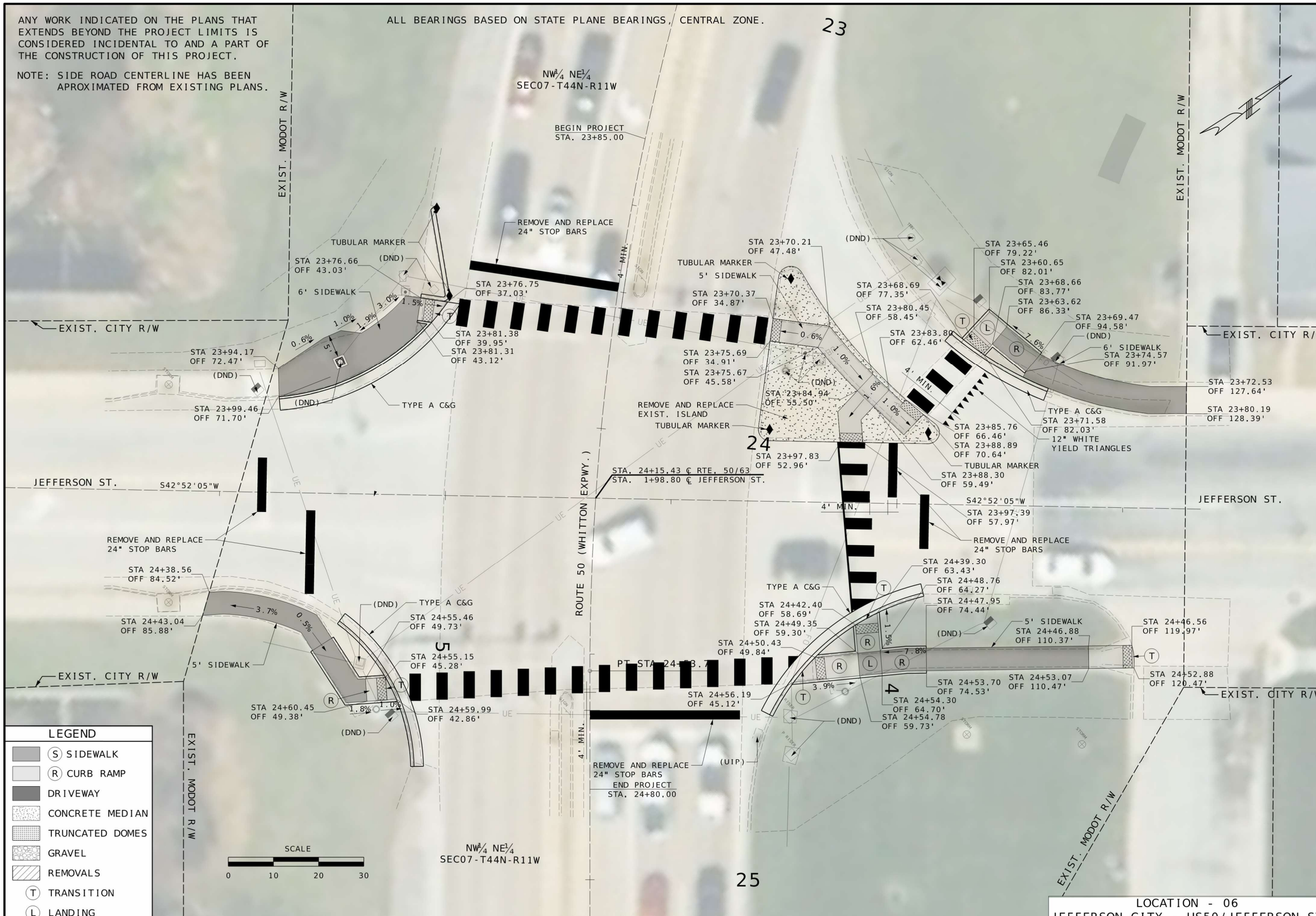
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
wearecown.com
OWN
Engineering beyond.

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

NOTE: SIDE ROAD CENTERLINE HAS BEEN APROXIMATED FROM EXISTING PLANS.

ALL BEARINGS BASED ON STATE PLANE BEARINGS, CENTRAL ZONE.



LOCATION - 06
JEFFERSON CITY - US50/JEFFERSON ST

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	4/7/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	19
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

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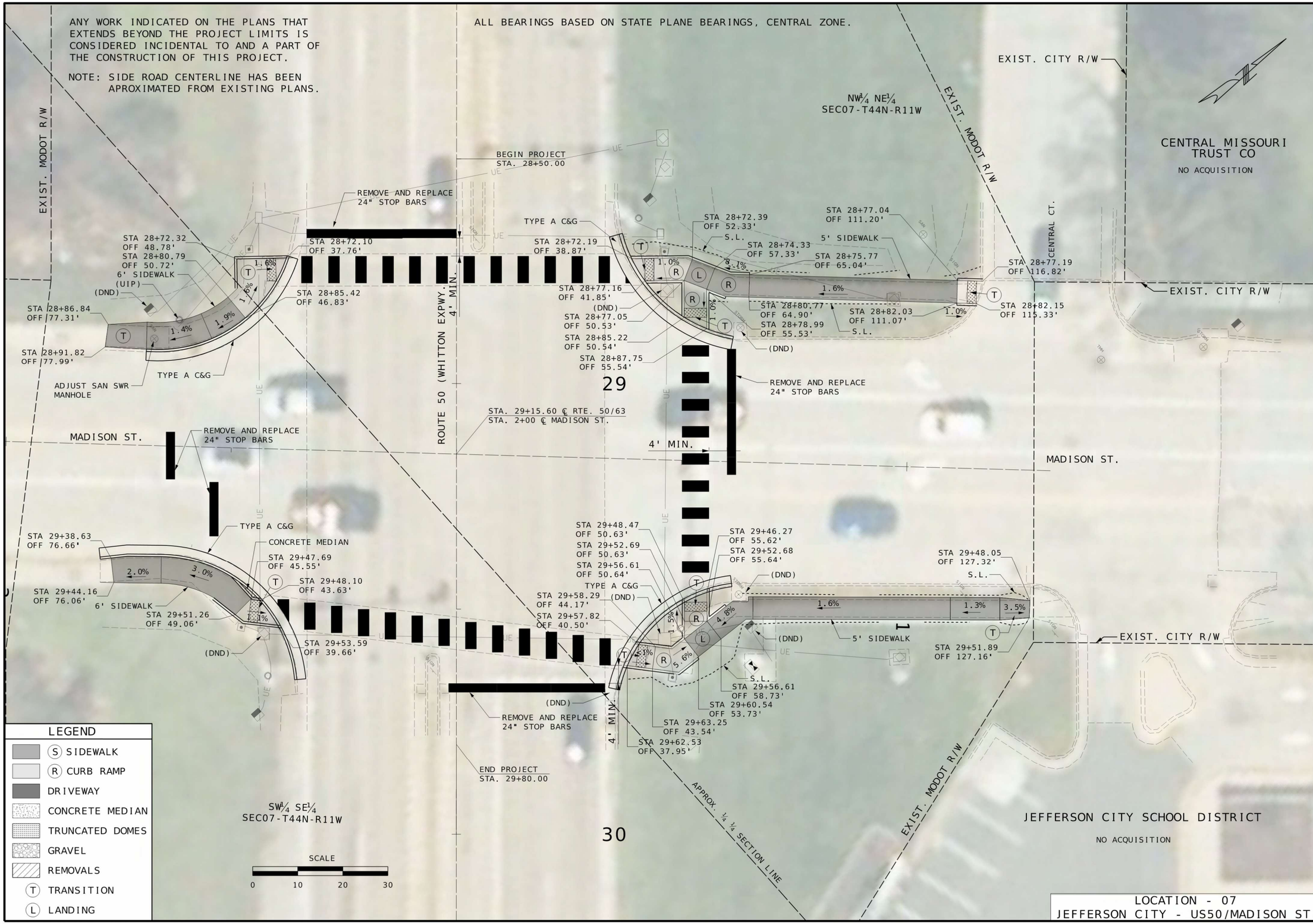

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 07
JEFFERSON CITY - US50/MADISON ST.

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
4/7/2025	
ROUTE VAR.	STATE MO
DISTRICT CD	SHEET NO. 20
COUNTY COLE/OSAGE	
JOB NO. JCD0126	
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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
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Engineering beyond.

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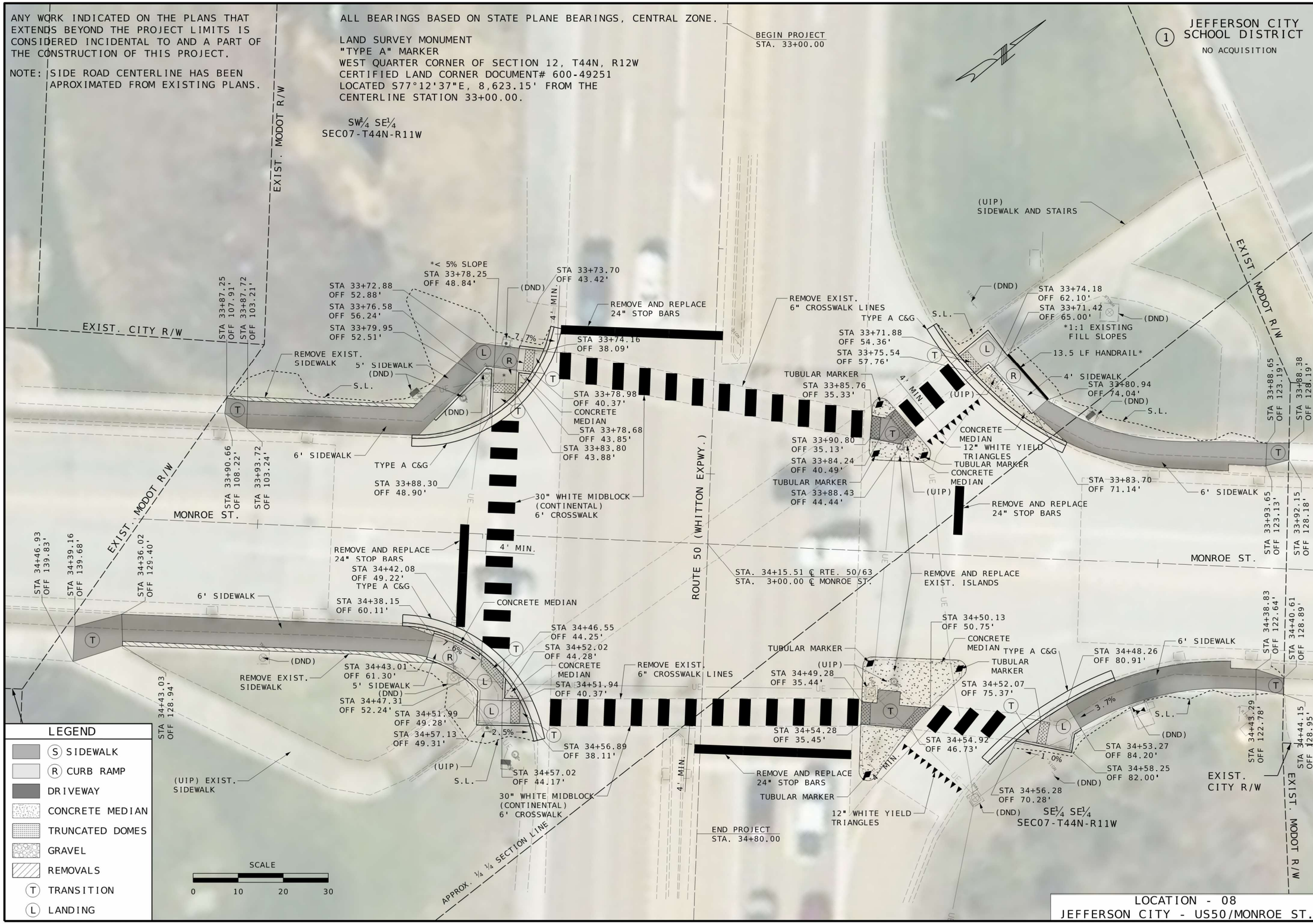
LAND SURVEY MONUMENT
"TYPE A" MARKER
WEST QUARTER CORNER OF SECTION 12, T44N, R12W
CERTIFIED LAND CORNER DOCUMENT# 600-49251
LOCATED S77°12'37"E, 8,623.15' FROM THE
CENTERLINE STATION 33+00.00.

SW¼ SE¼
SEC07-T44N-R11W



LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 08
JEFFERSON CITY - US50/MONROE ST.

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	4/7/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	21
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.

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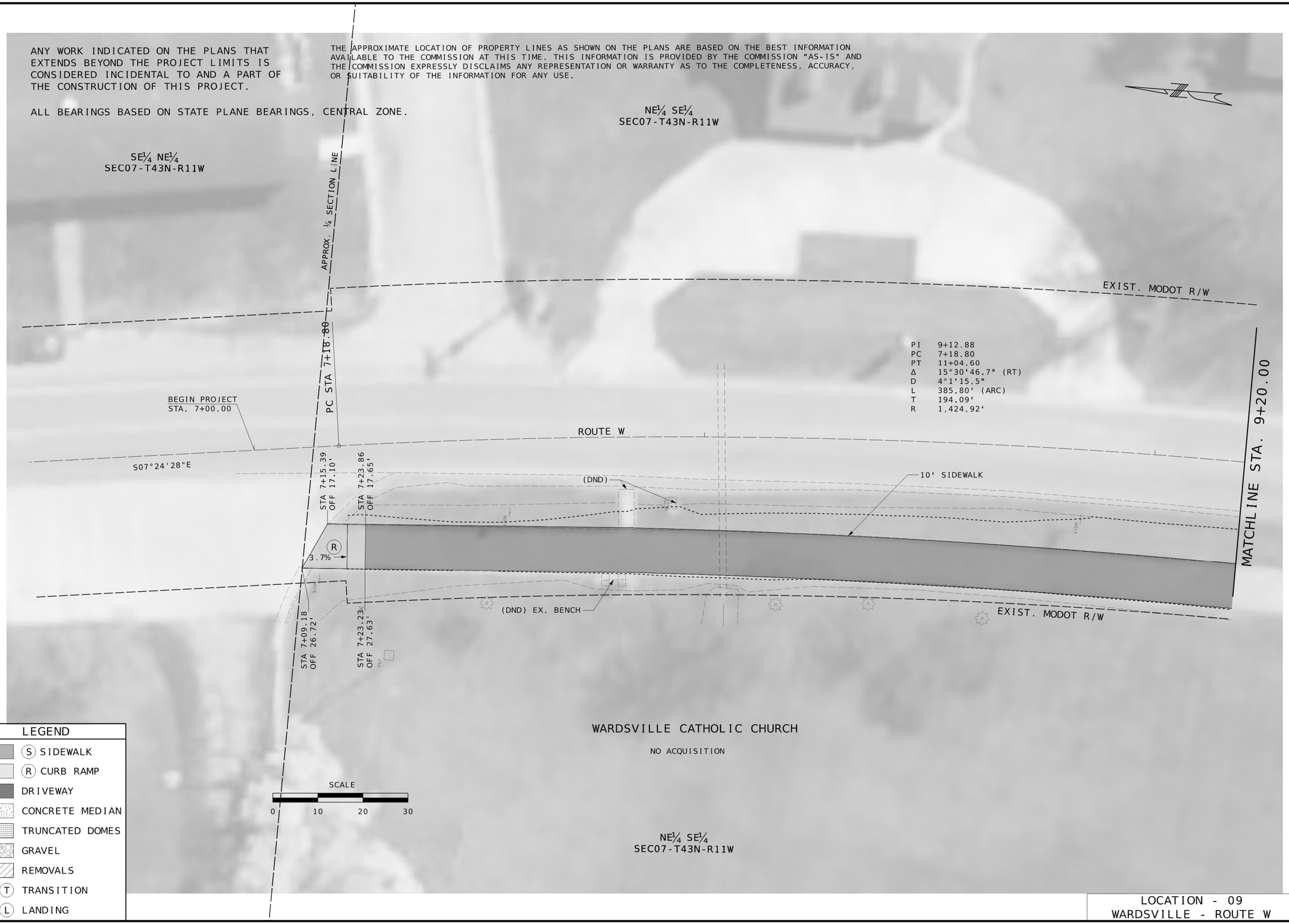
ALL BEARINGS BASED ON STATE PLANE BEARINGS, CENTRAL ZONE.

THE APPROXIMATE LOCATION OF PROPERTY LINES 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.



LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 09
WARDSVILLE - ROUTE W

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	22
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

OWN
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

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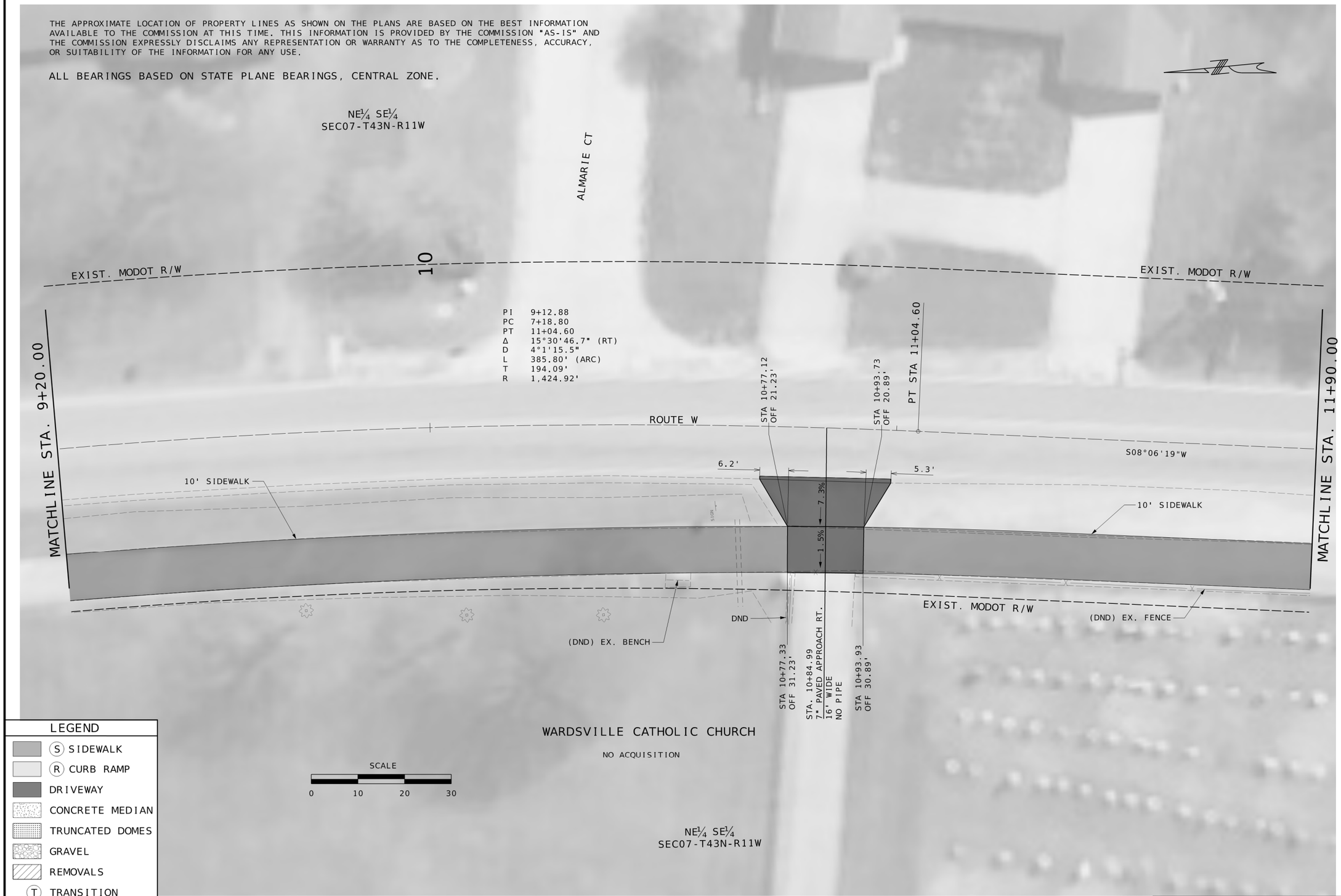

LEGEND
(S) SIDEWALK
(R) CURB RAMP
DRIVEWAY
CONCRETE MEDIAN
TRUNCATED DOMES
GRAVEL
REMOVALS
(T) TRANSITION
(L) LANDING

LOCATION - 09
WARDSVILLE - ROUTE W

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE: VAR.	STATE: MO
DISTRICT: CD	SHEET NO.: 23
COUNTY: COLE/OSAGE	
JOB NO.: JCD0126	
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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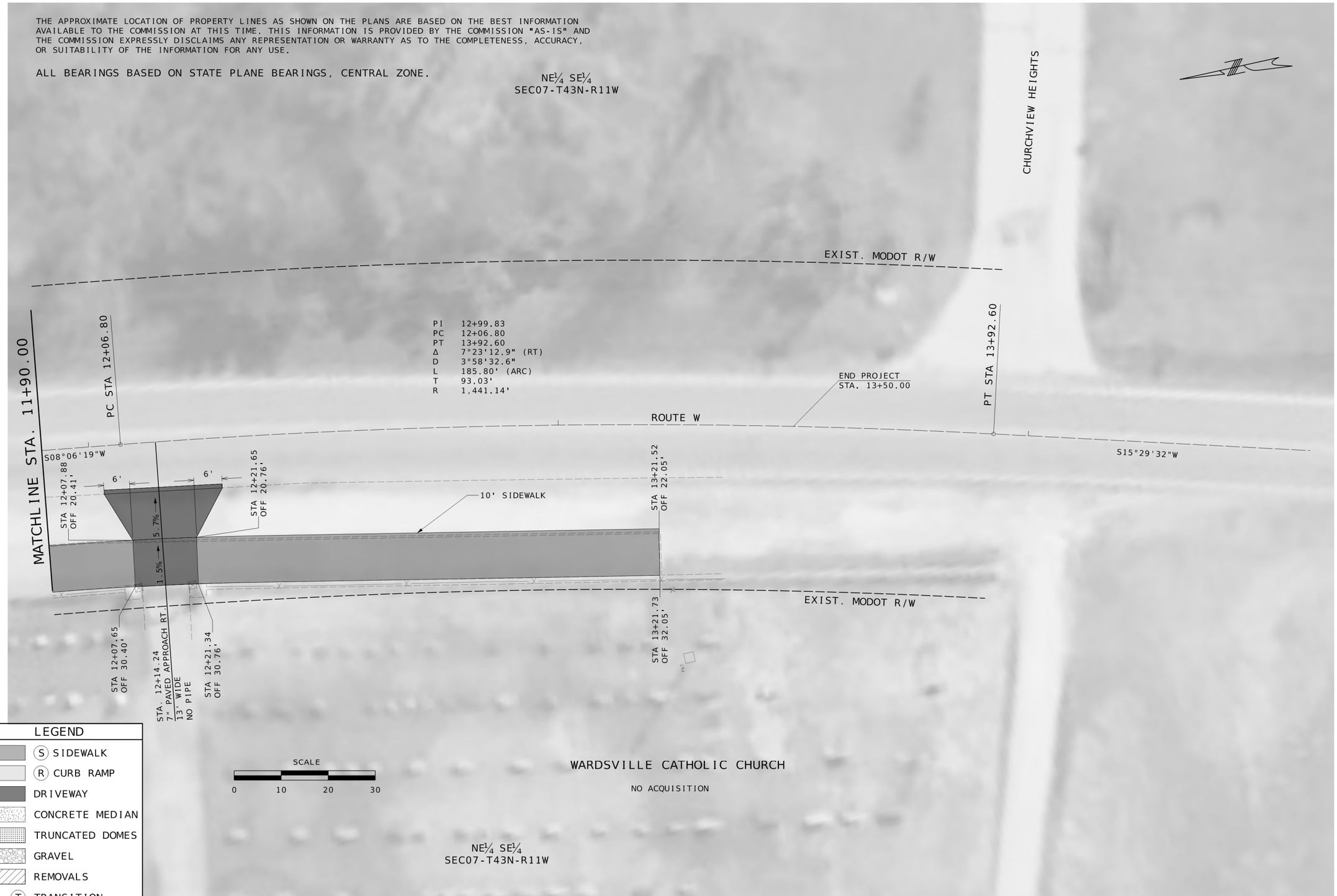

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 09
WARDSVILLE - ROUTE W

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	24
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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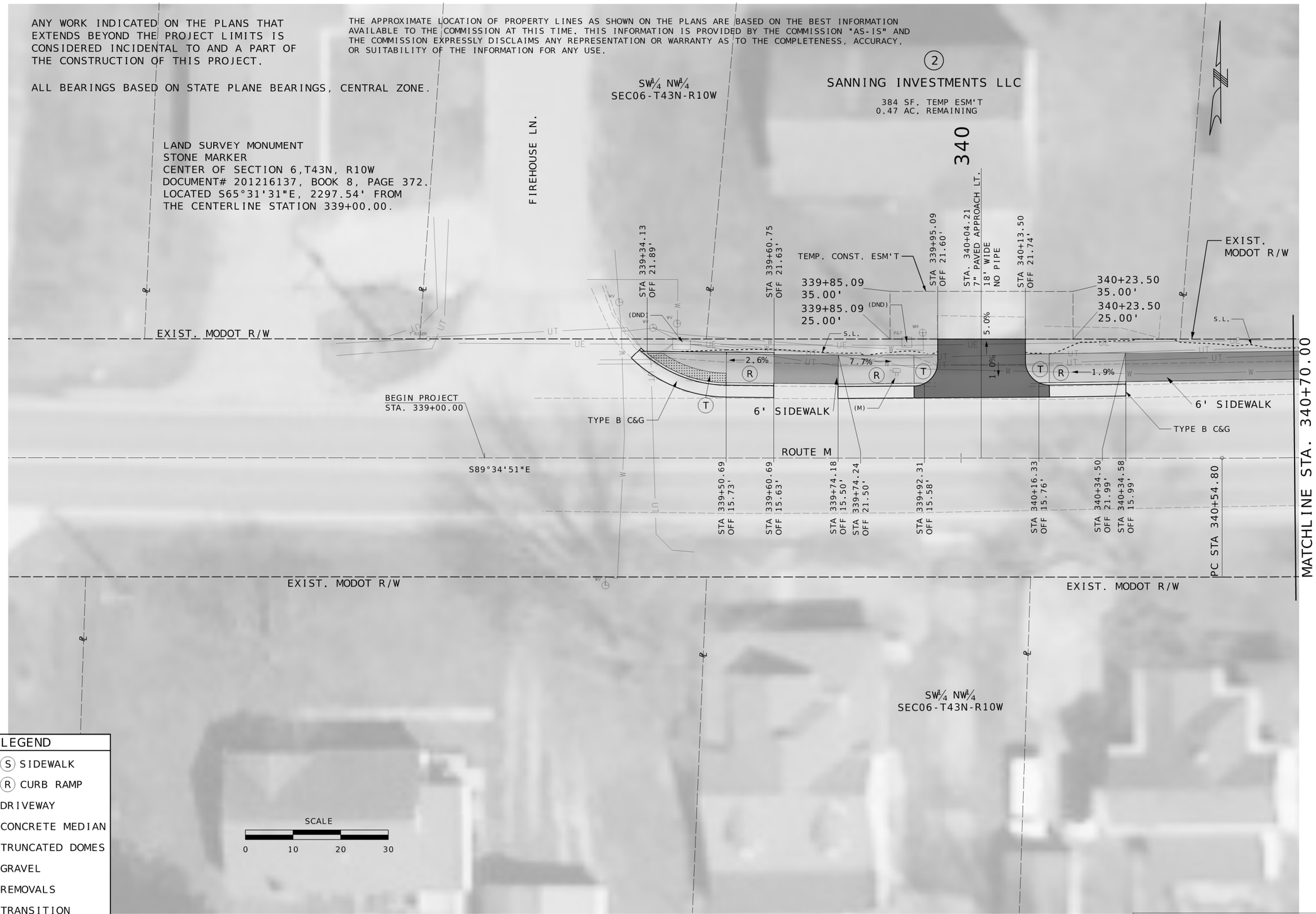

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 10
TAOS - ROUTE M

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	25
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9951
COA# 00062
weareown.com

OWN
Engineering beyond.

THE APPROXIMATE LOCATION OF PROPERTY LINES 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.

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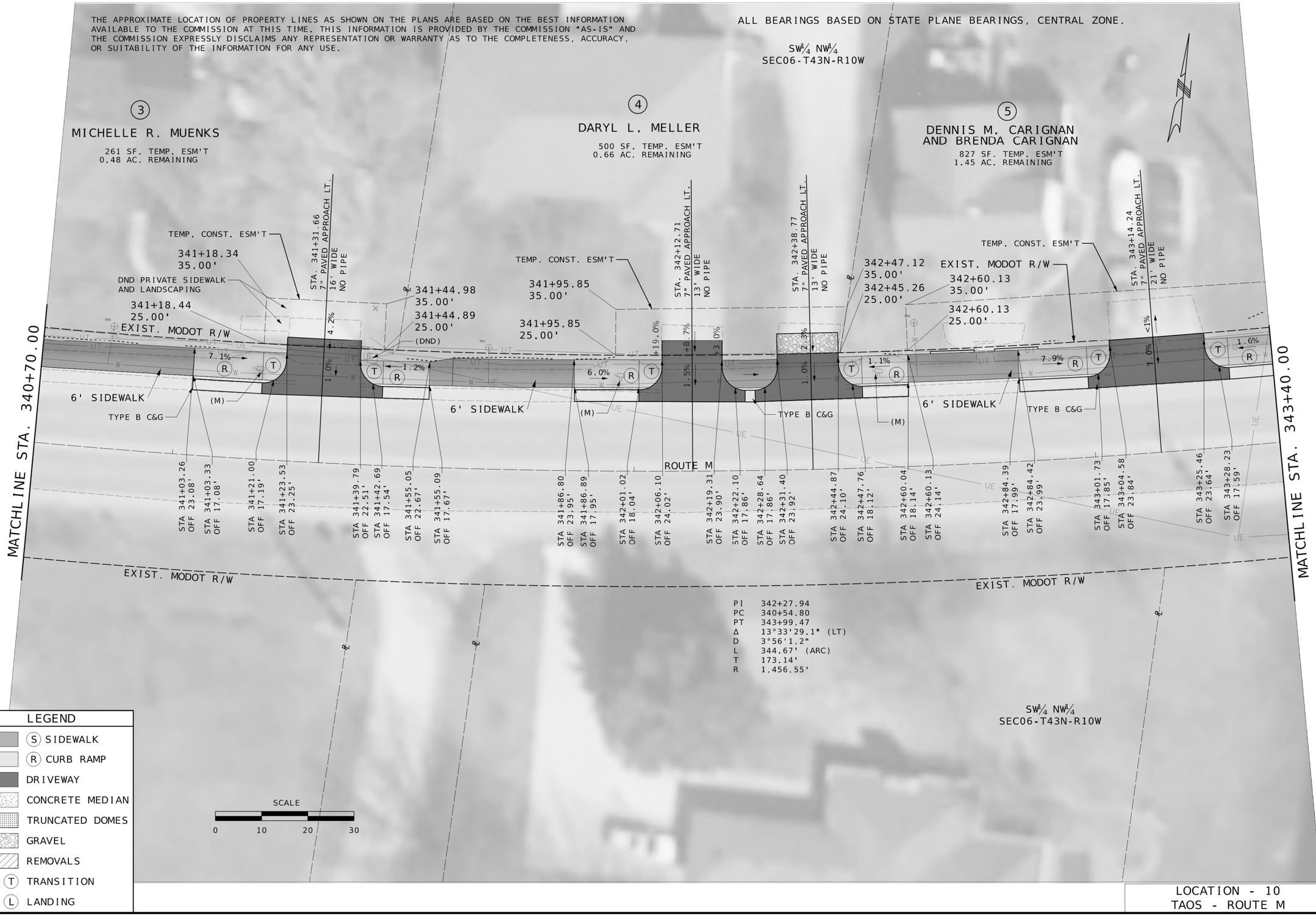

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 10
TAOS - ROUTE M

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	26
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

2215 Fairlawn Dr
Carthage, MO 64836
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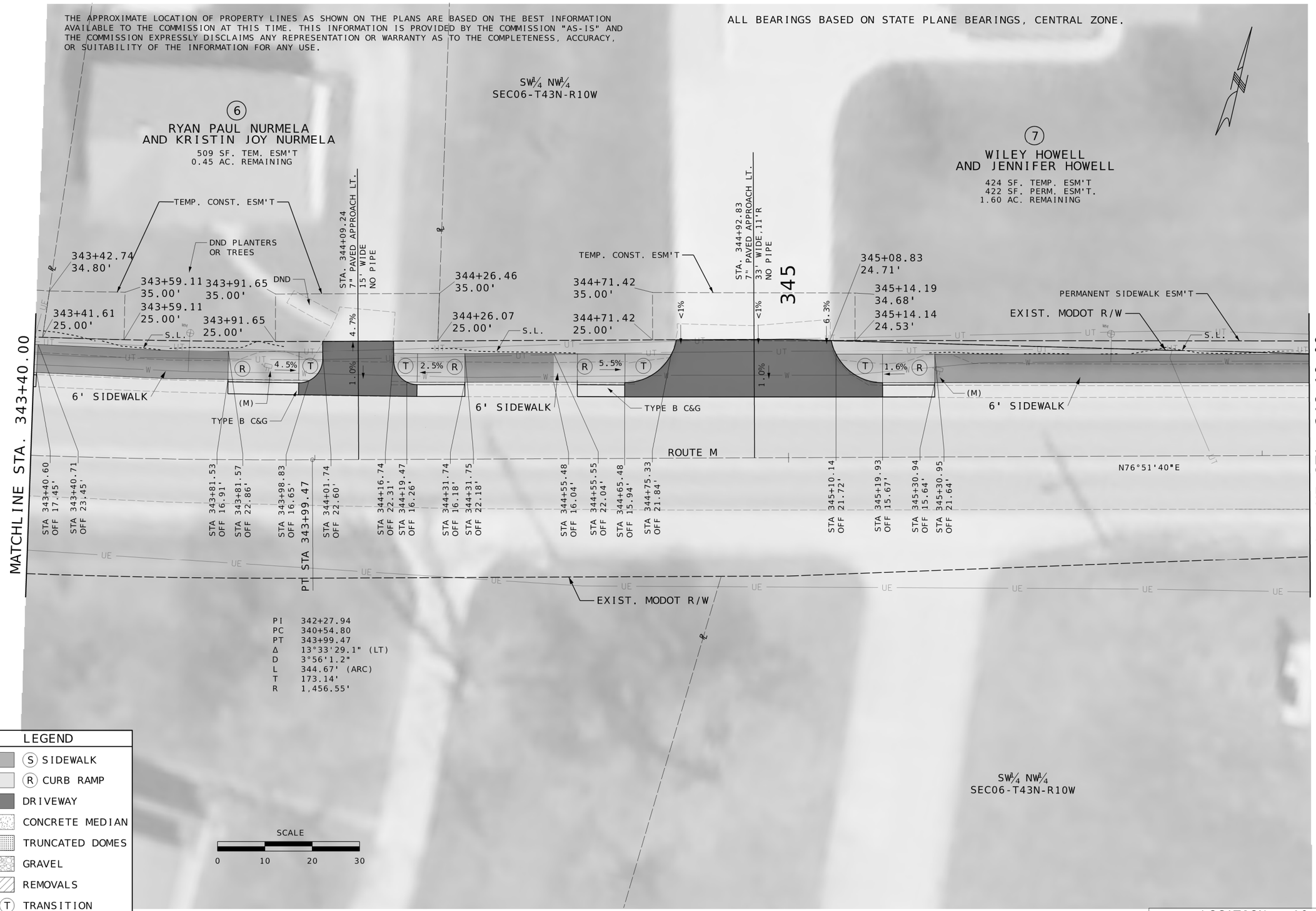

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 10
TAOS - ROUTE M

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	27
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
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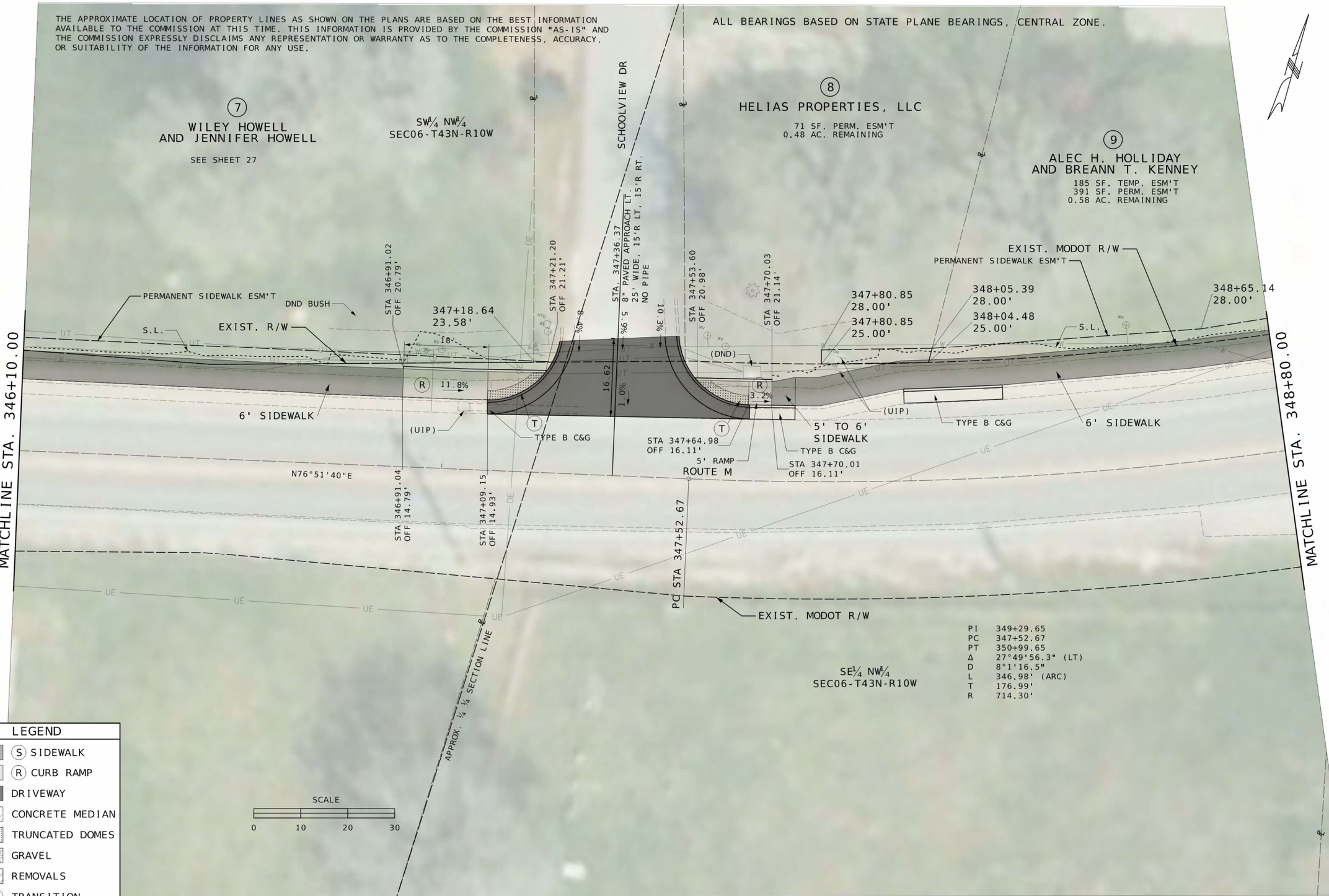

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 10
TAOS - ROUTE M

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
4/7/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	28
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
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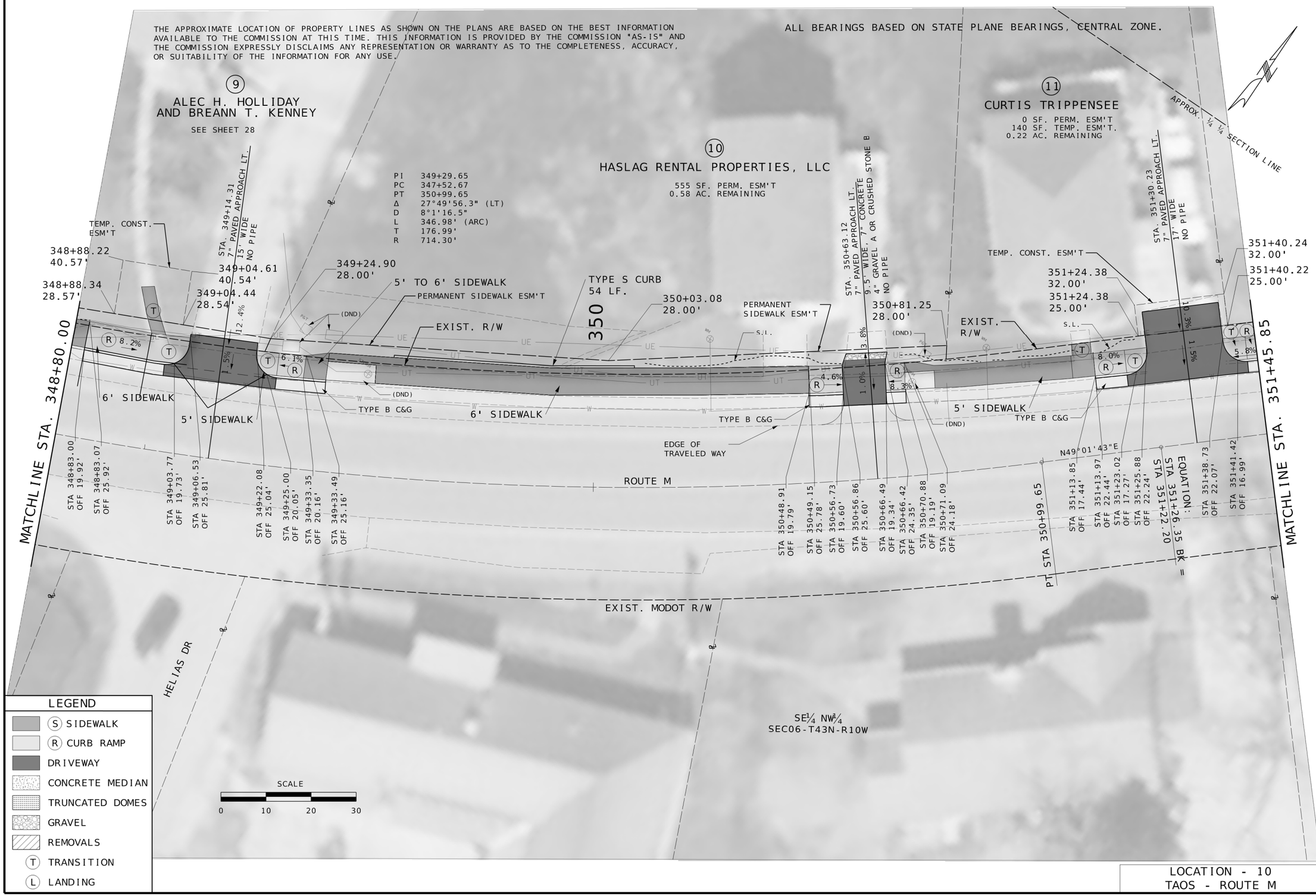

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 10
TAOS - ROUTE M

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	29
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

2215 Fairlawn Dr.
Carthage, MO 64836
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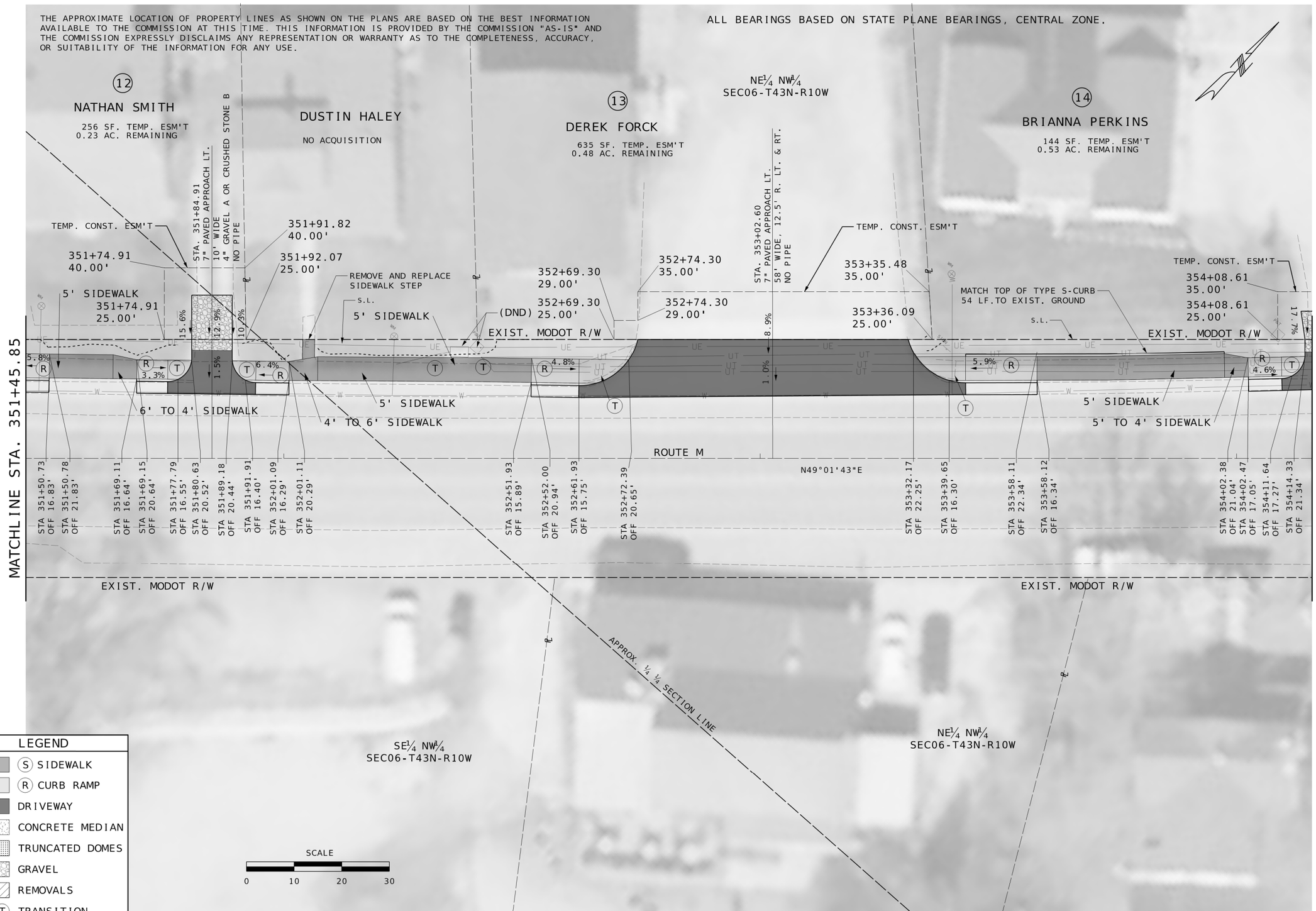

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 10
TAOS - ROUTE M

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	30
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

THE APPROXIMATE LOCATION OF PROPERTY LINES 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.

ALL BEARINGS BASED ON STATE PLANE BEARINGS, CENTRAL ZONE.

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 10
TAOS - ROUTE M

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	31
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 10
TAOS - ROUTE M

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	32
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
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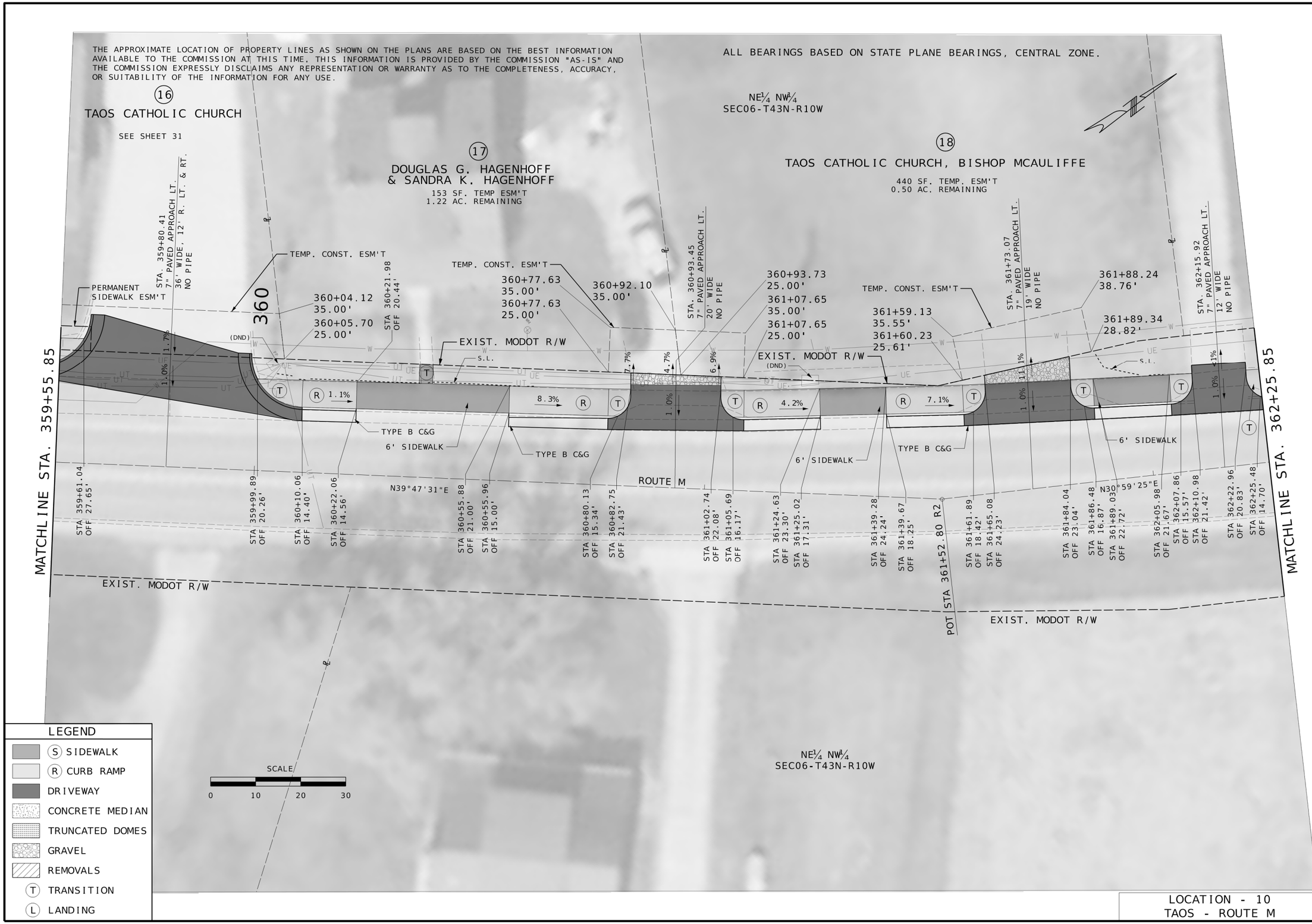
Engineering beyond.



LOCATION - 10
TAOS - ROUTE M

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	33
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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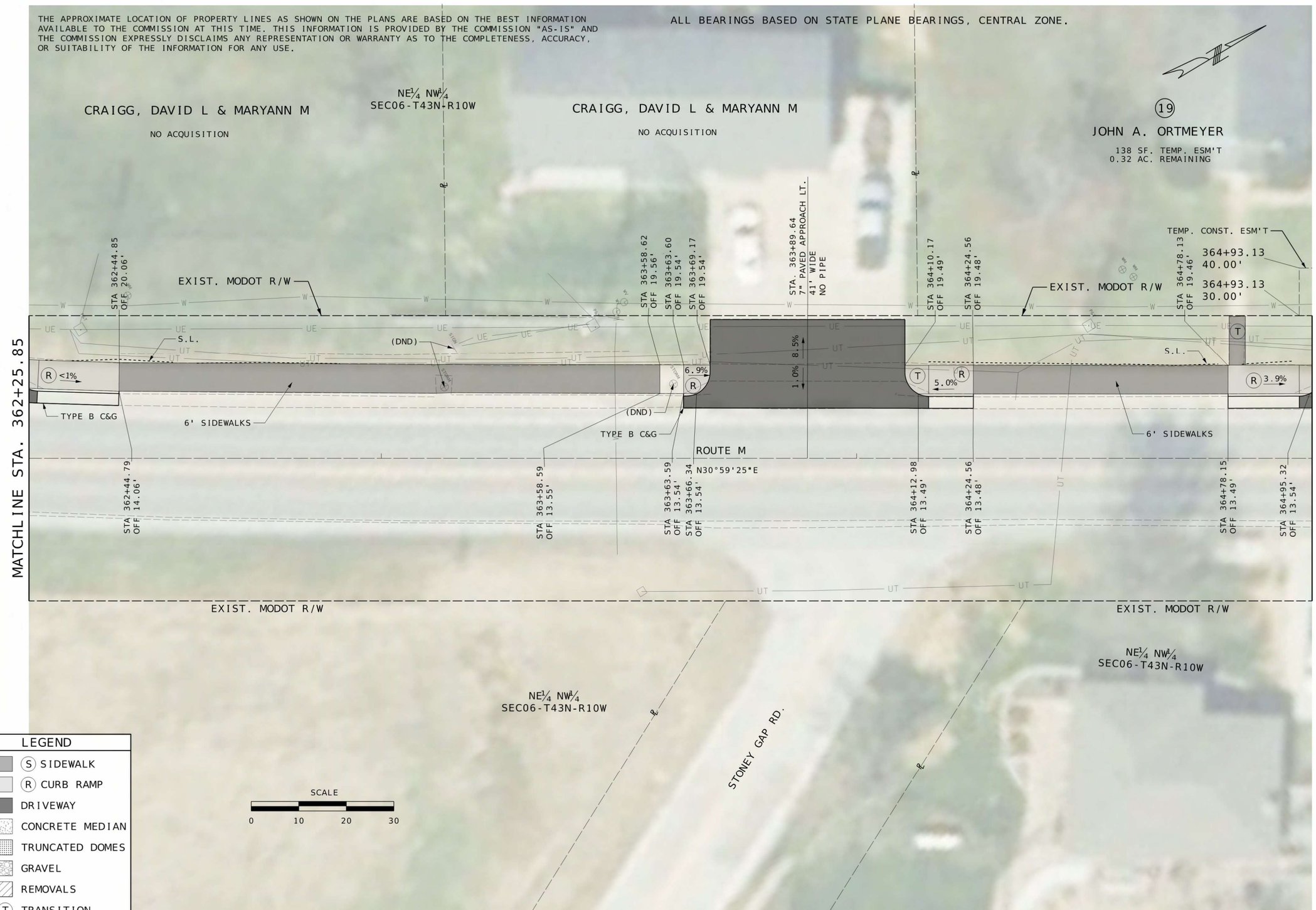

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 10
TAOS - ROUTE M

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
4/7/2025	
ROUTE: VAR.	STATE: MO
DISTRICT: CD	SHEET NO.: 34
COUNTY: COLE/OSAGE	
JOB NO.: JCD0126	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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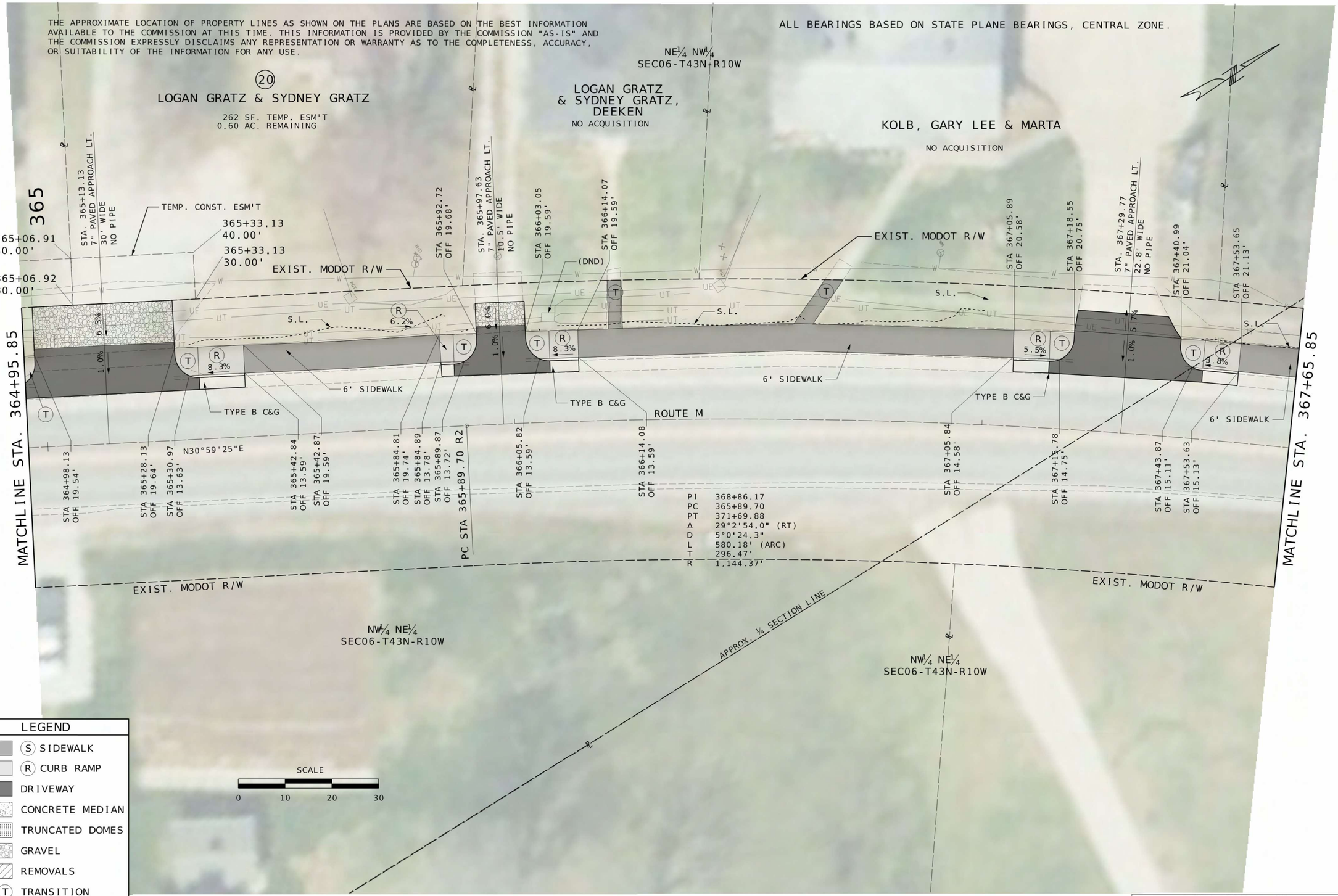

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 10
TAOS - ROUTE M

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
4/7/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	35
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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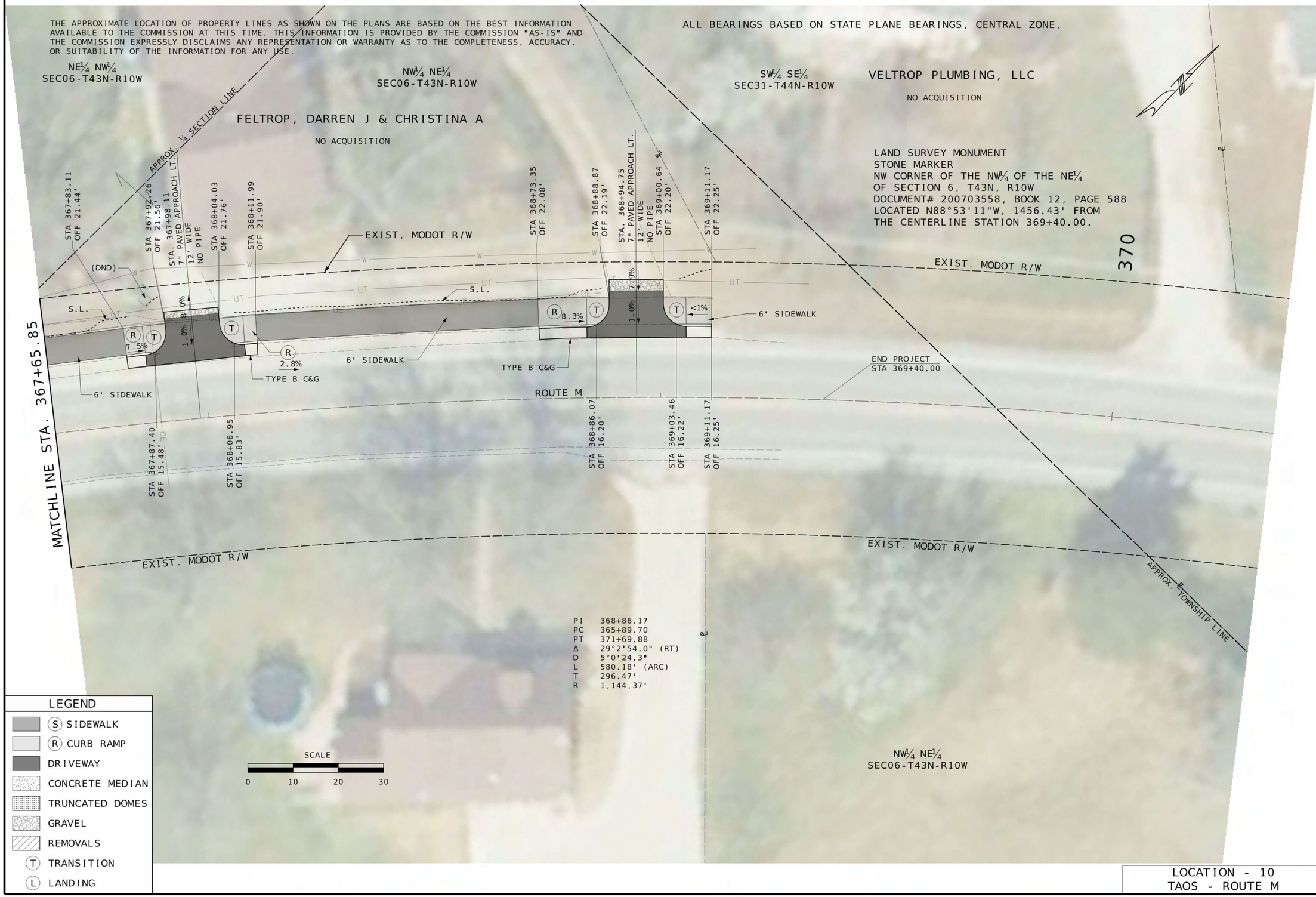

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
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- TRUNCATED DOMES
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- (L) LANDING

LOCATION - 10
TAOS - ROUTE M

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
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DATE PREPARED	4/7/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	36
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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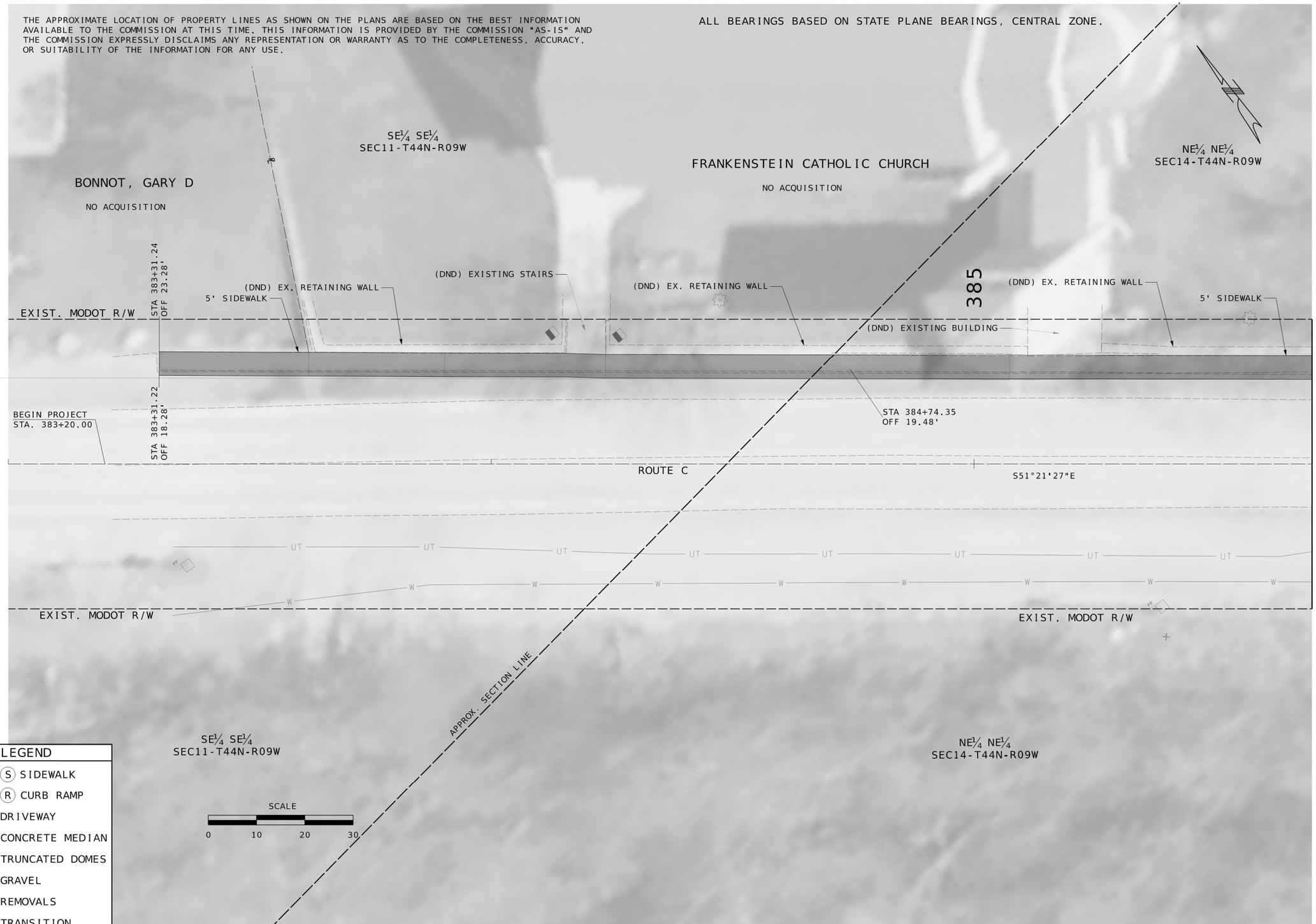

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
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- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 11
FRANKENSTEIN - ROUTE C

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	37
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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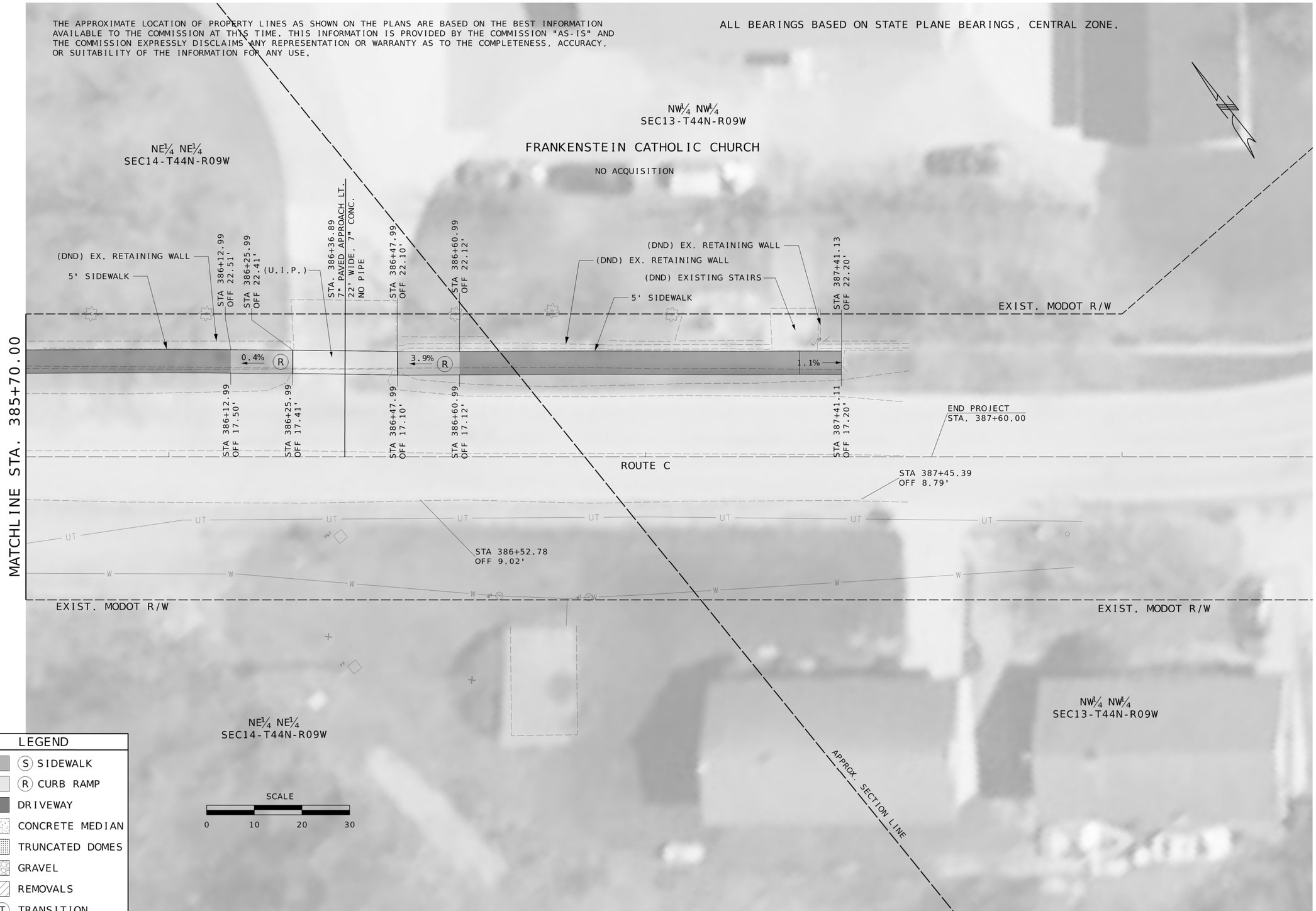

LEGEND

- (S) SIDEWALK
- (R) CURB RAMP
- DRIVEWAY
- CONCRETE MEDIAN
- TRUNCATED DOMES
- GRAVEL
- REMOVALS
- (T) TRANSITION
- (L) LANDING

LOCATION - 11
FRANKENSTEIN - ROUTE C

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	38
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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2215 Fairlawn Dr
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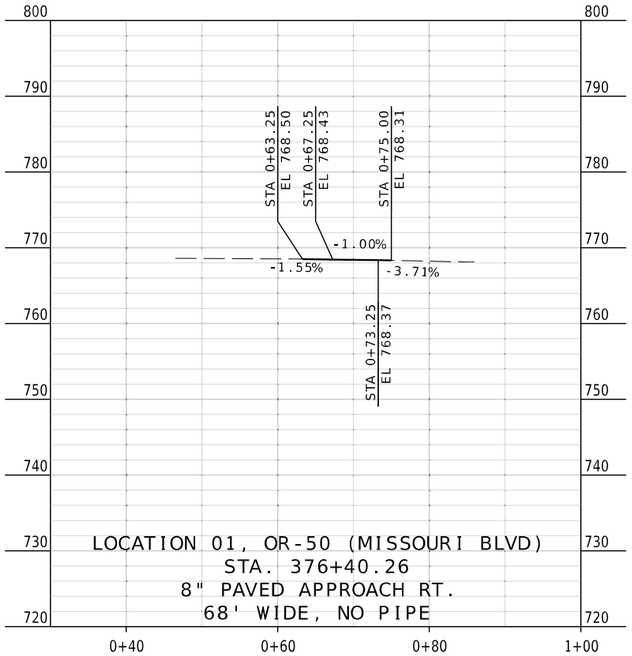
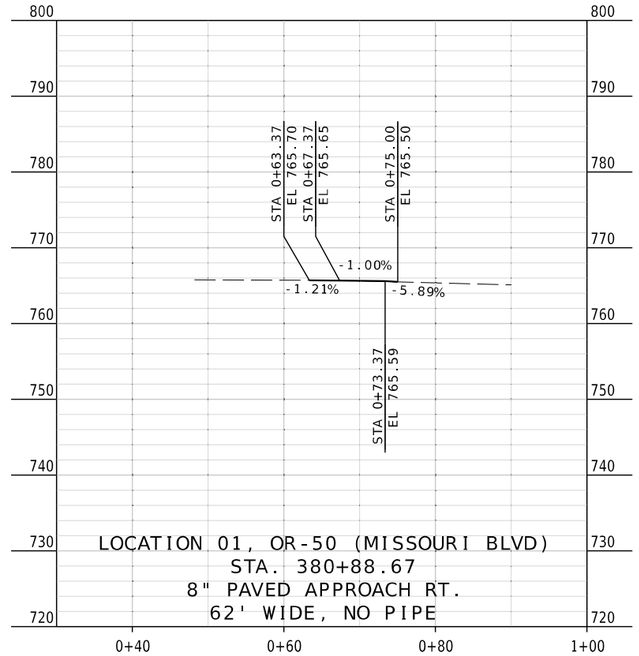
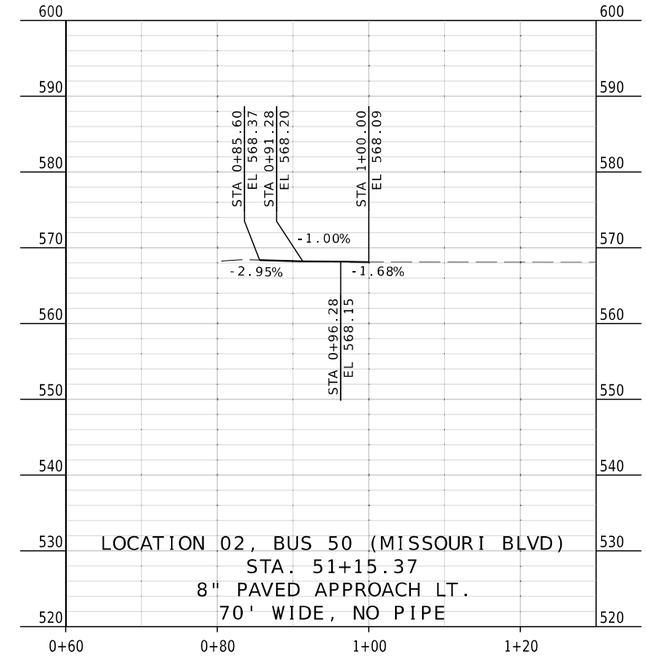


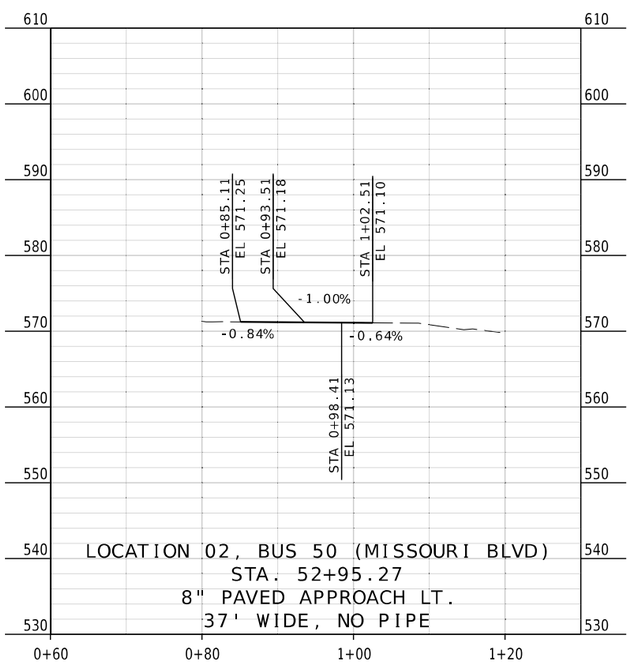
LOCATION 01, OR-50 (MISSOURI BLVD)
STA. 376+40.26
8" PAVED APPROACH RT.
68' WIDE, NO PIPE



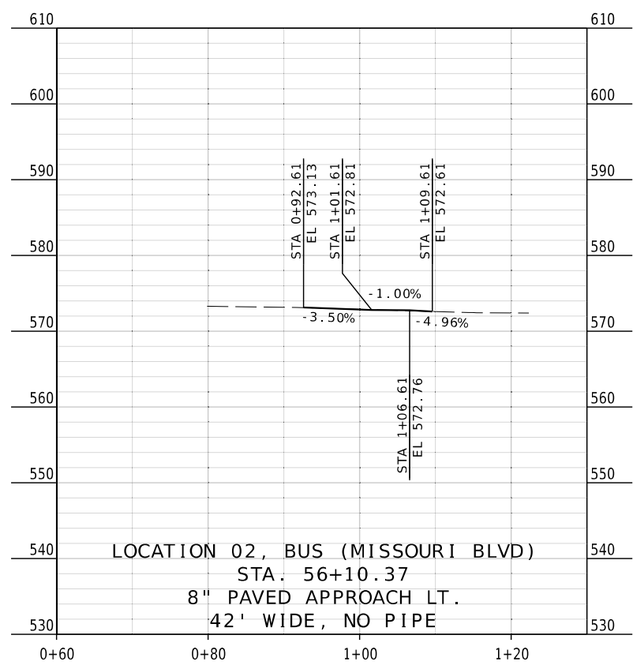
LOCATION 01, OR-50 (MISSOURI BLVD)
STA. 380+88.67
8" PAVED APPROACH RT.
62' WIDE, NO PIPE



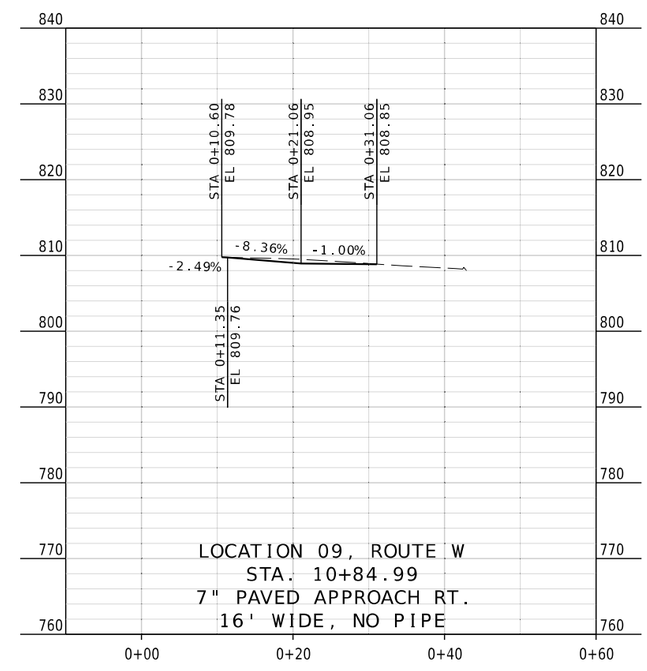
LOCATION 02, BUS 50 (MISSOURI BLVD)
STA. 51+15.37
8" PAVED APPROACH LT.
70' WIDE, NO PIPE



LOCATION 02, BUS 50 (MISSOURI BLVD)
STA. 52+95.27
8" PAVED APPROACH LT.
37' WIDE, NO PIPE



LOCATION 02, BUS (MISSOURI BLVD)
STA. 56+10.37
8" PAVED APPROACH LT.
42' WIDE, NO PIPE



LOCATION 09, ROUTE W
STA. 10+84.99
7" PAVED APPROACH RT.
16' WIDE, NO PIPE

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/24/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	39

COUNTY
COLE/OSAGE

JOB NO.
JCD0126

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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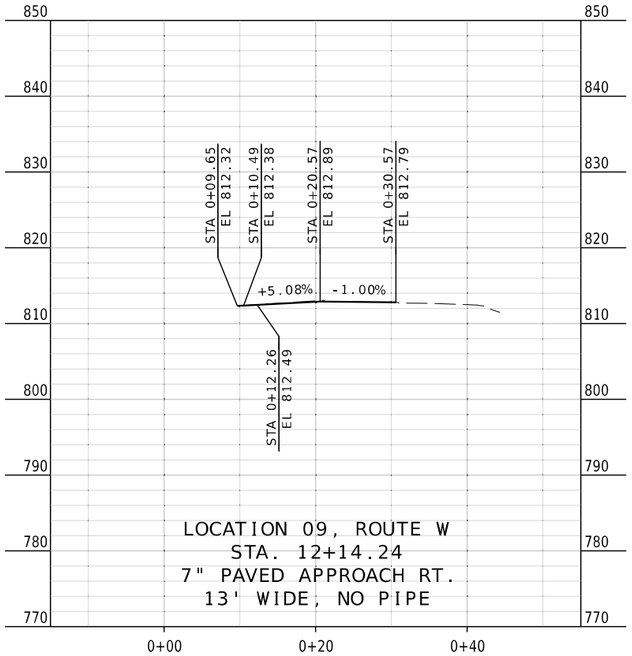
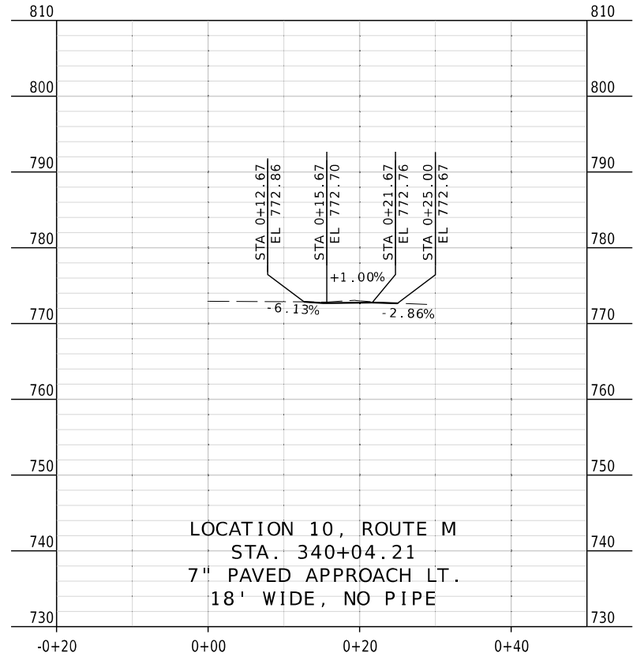
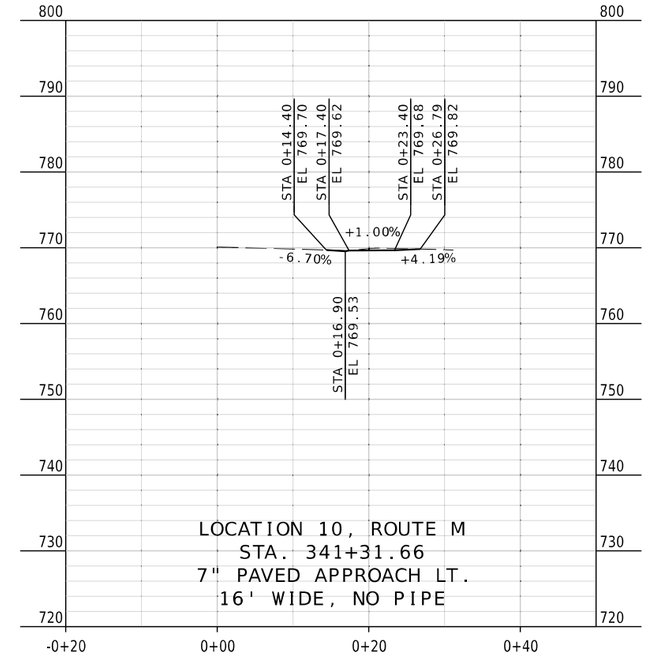


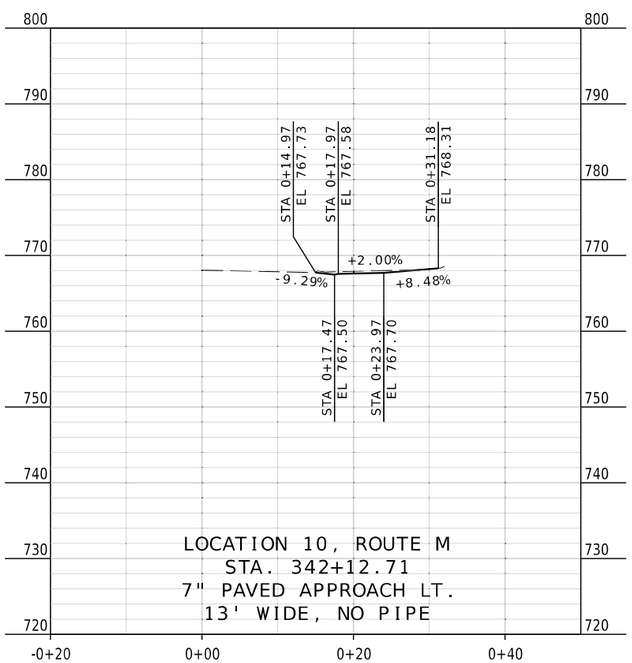
LOCATION 09, ROUTE W
STA. 12+14.24
7" PAVED APPROACH RT.
13' WIDE, NO PIPE



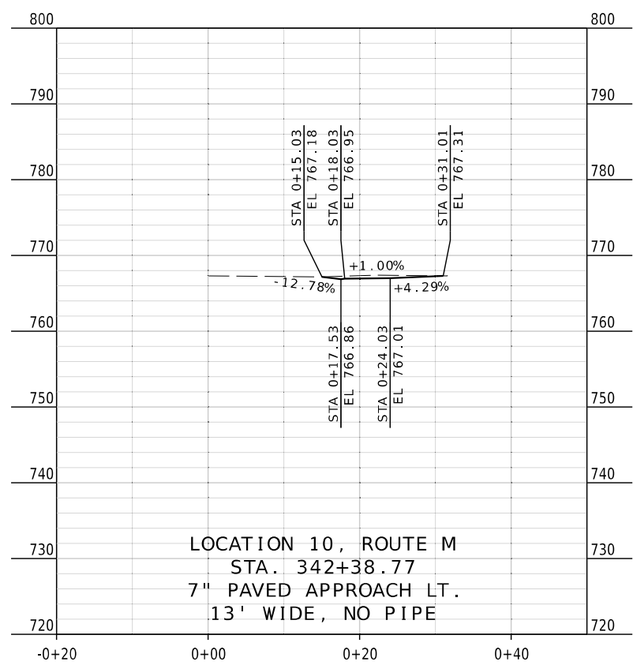
LOCATION 10, ROUTE M
STA. 340+04.21
7" PAVED APPROACH LT.
18' WIDE, NO PIPE



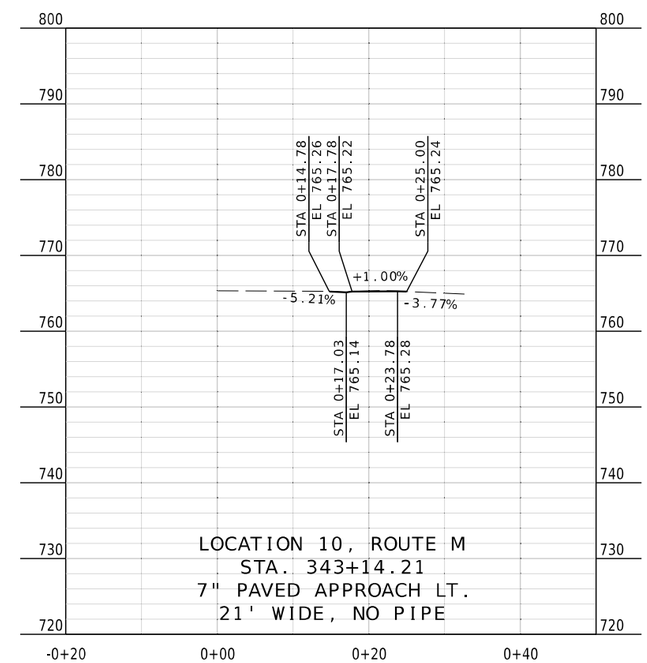
LOCATION 10, ROUTE M
STA. 341+31.66
7" PAVED APPROACH LT.
16' WIDE, NO PIPE



LOCATION 10, ROUTE M
STA. 342+12.71
7" PAVED APPROACH LT.
13' WIDE, NO PIPE



LOCATION 10, ROUTE M
STA. 342+38.77
7" PAVED APPROACH LT.
13' WIDE, NO PIPE



LOCATION 10, ROUTE M
STA. 343+14.21
7" PAVED APPROACH LT.
21' WIDE, NO PIPE

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

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DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	40
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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

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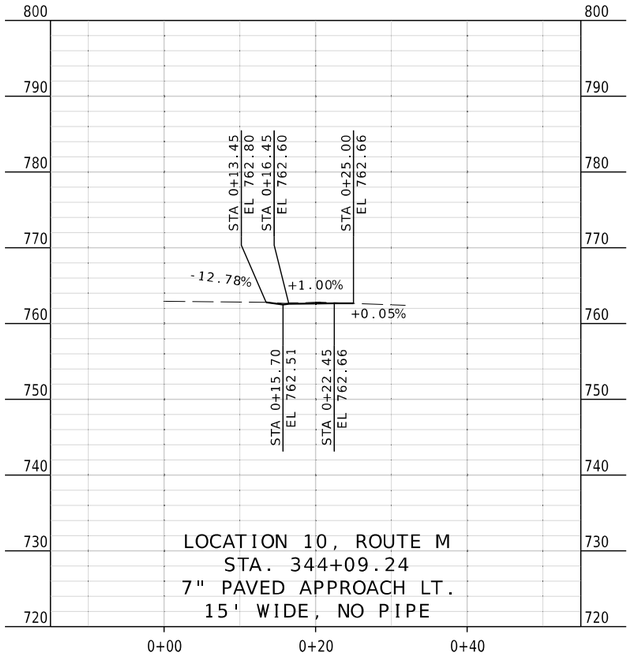

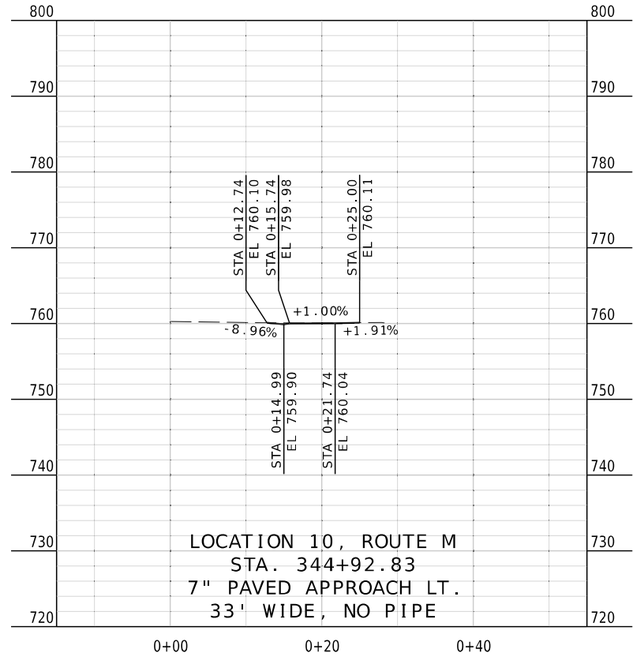

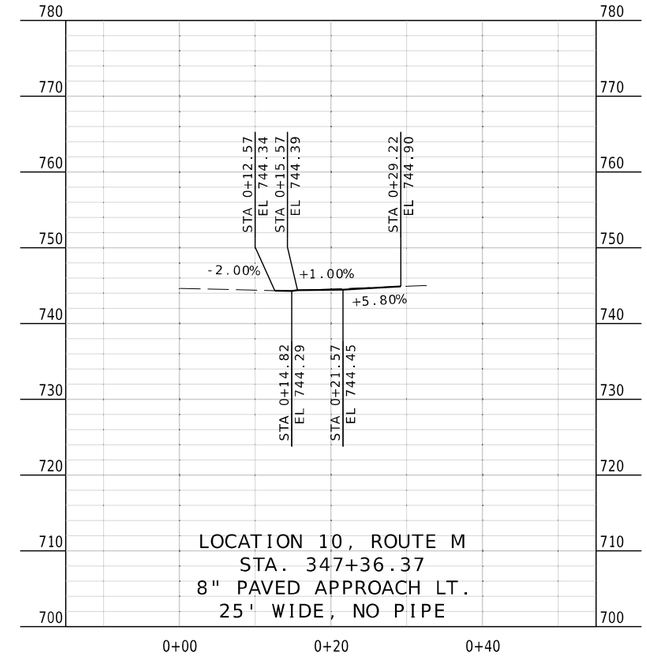

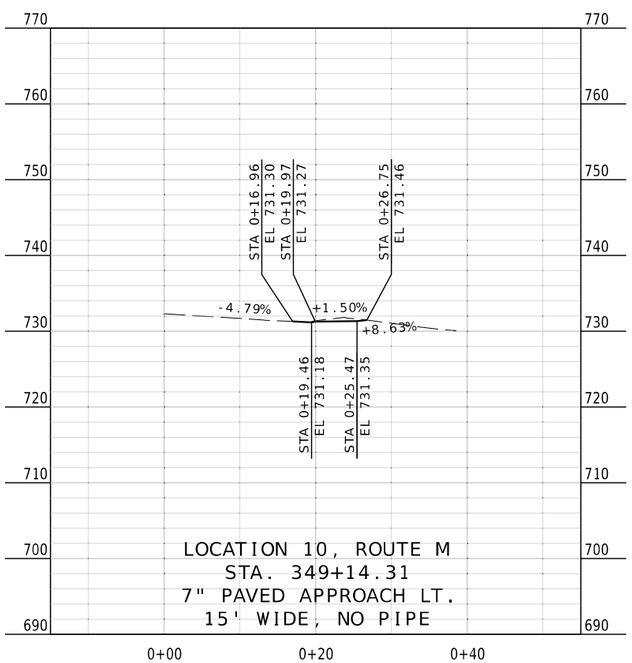

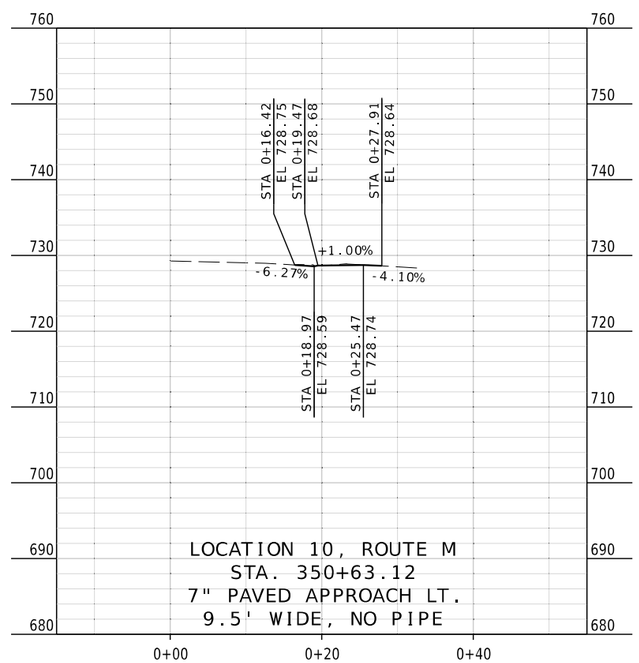

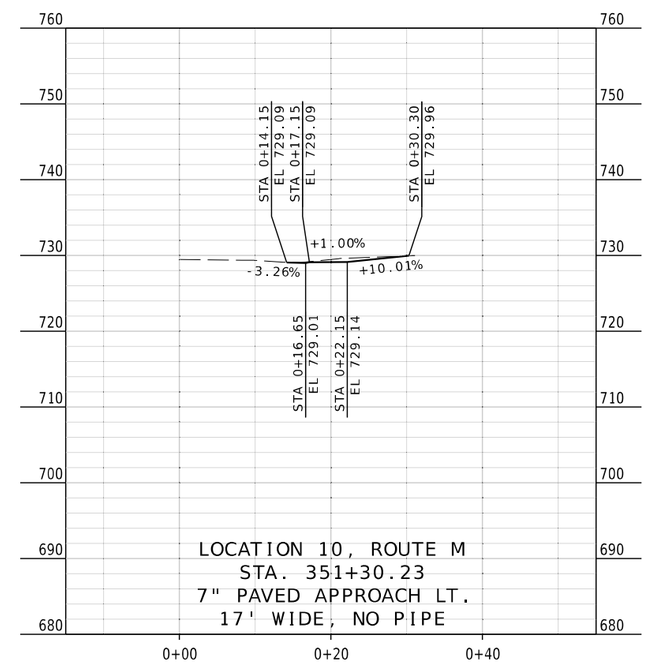

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

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DATE PREPARED
2/24/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	41

COUNTY
COLE/OSAGE

JOB NO.
JCD0126

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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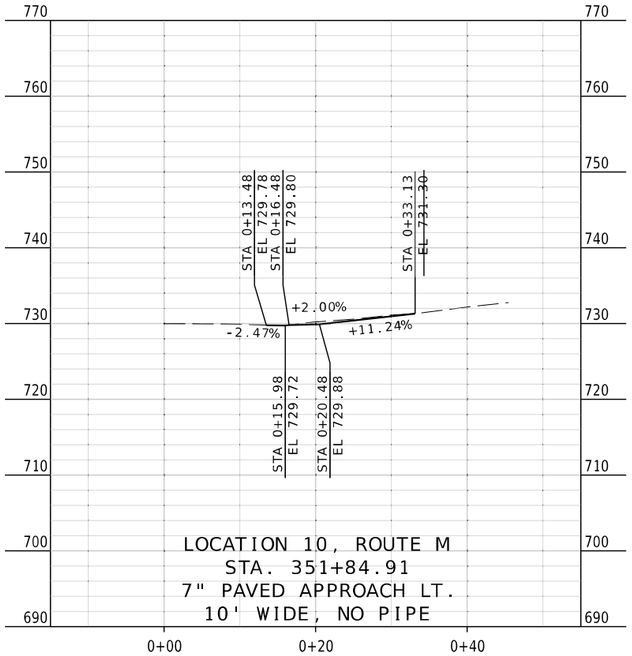

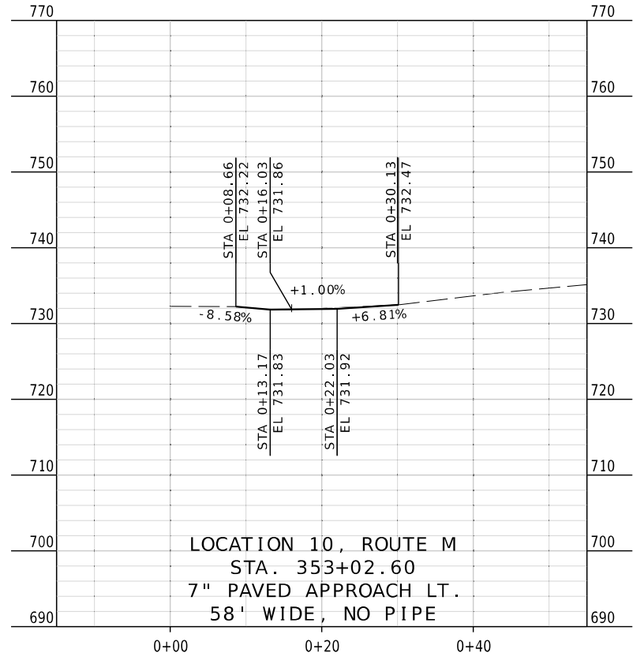

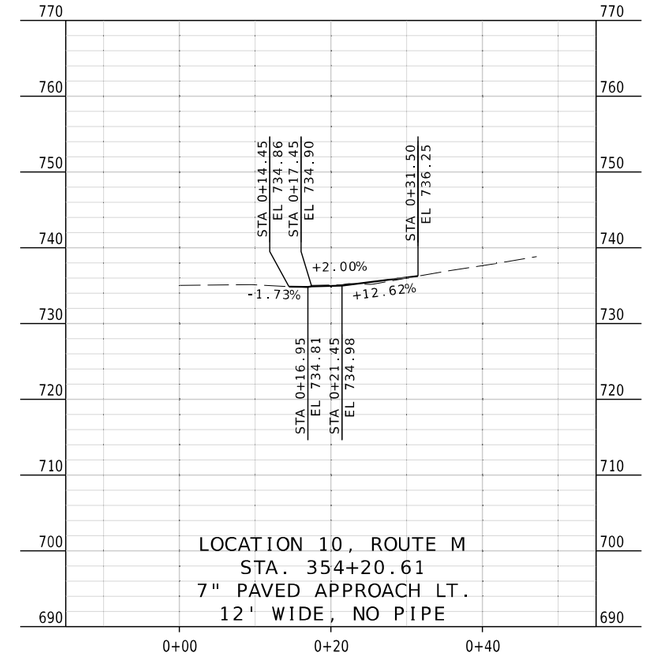

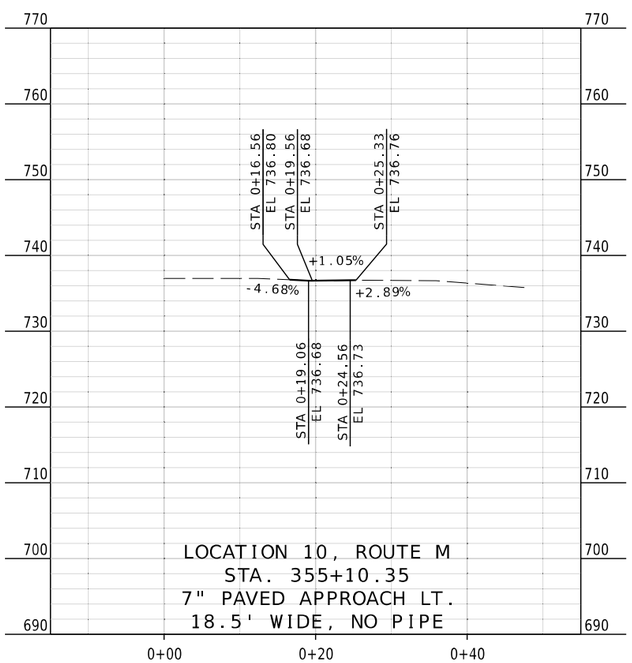

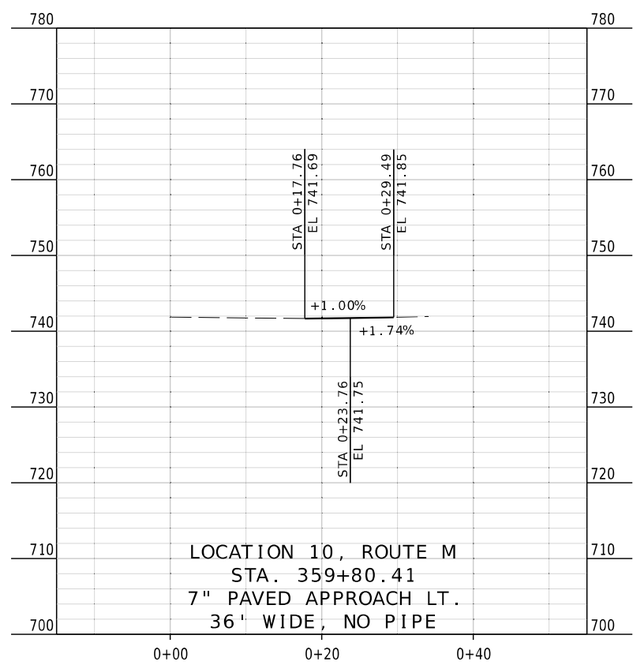

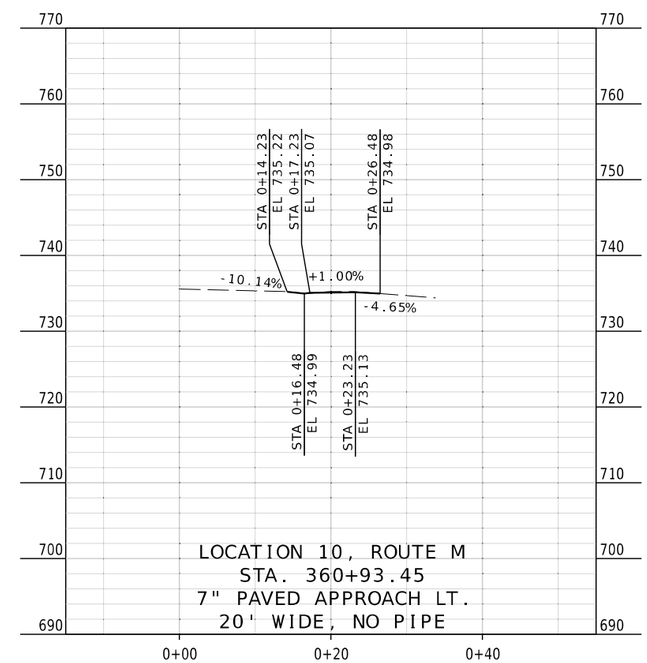

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/24/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	42

COUNTY
COLE/OSAGE

JOB NO.
JCD0126

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
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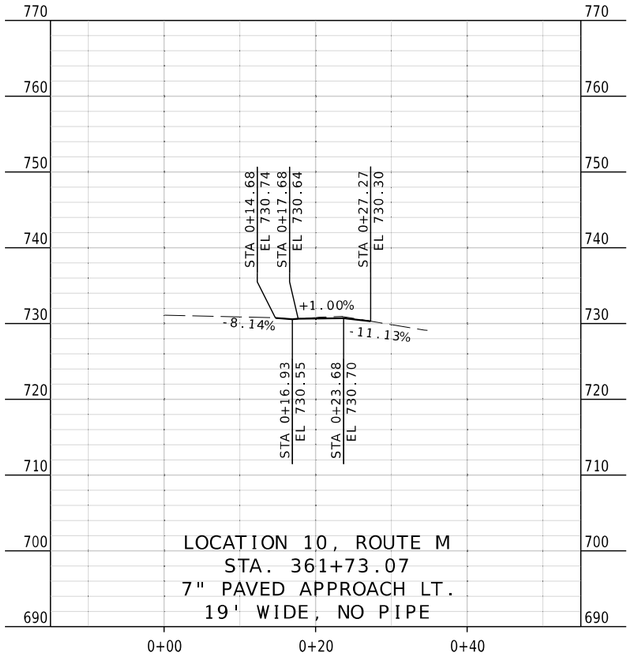

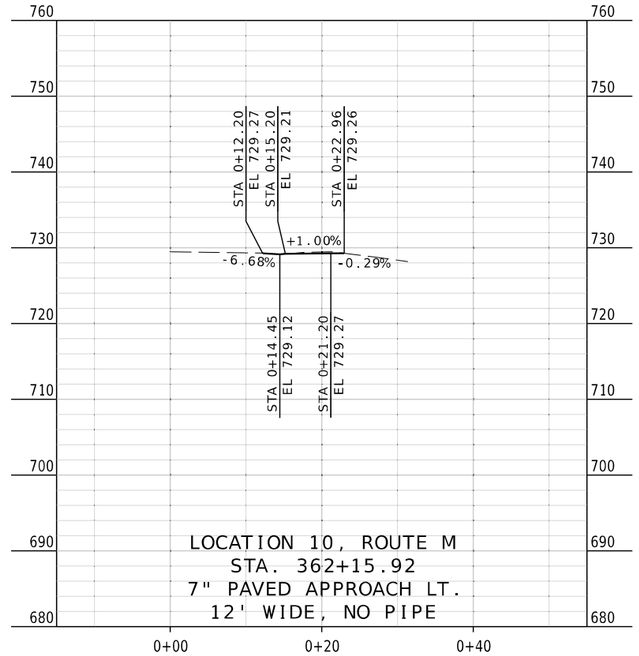

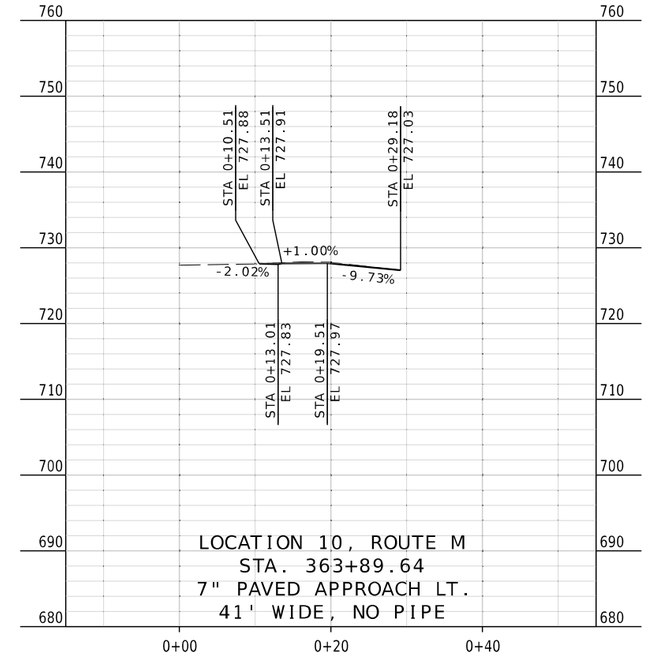

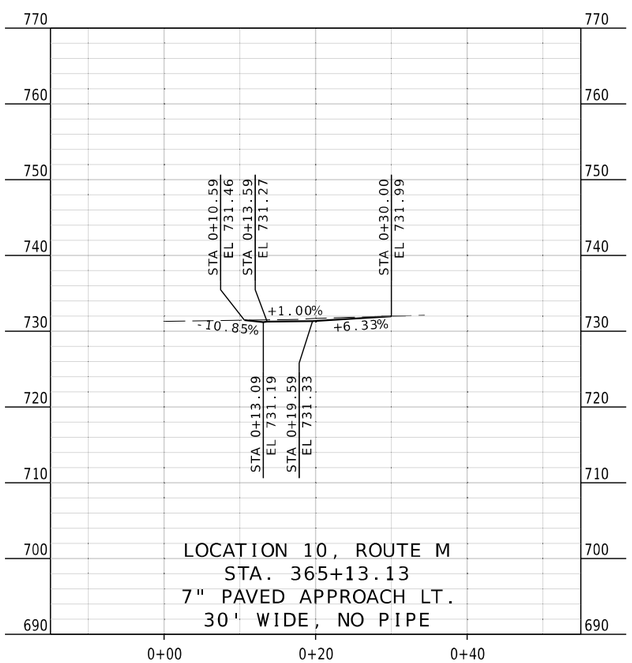

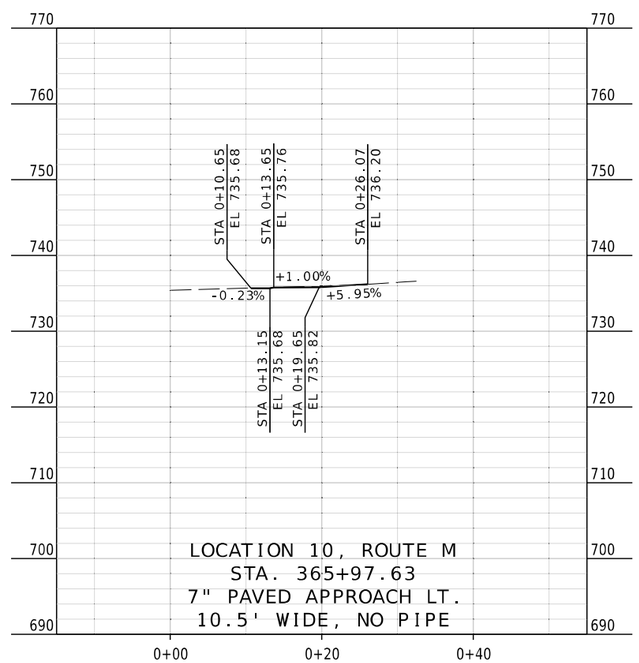

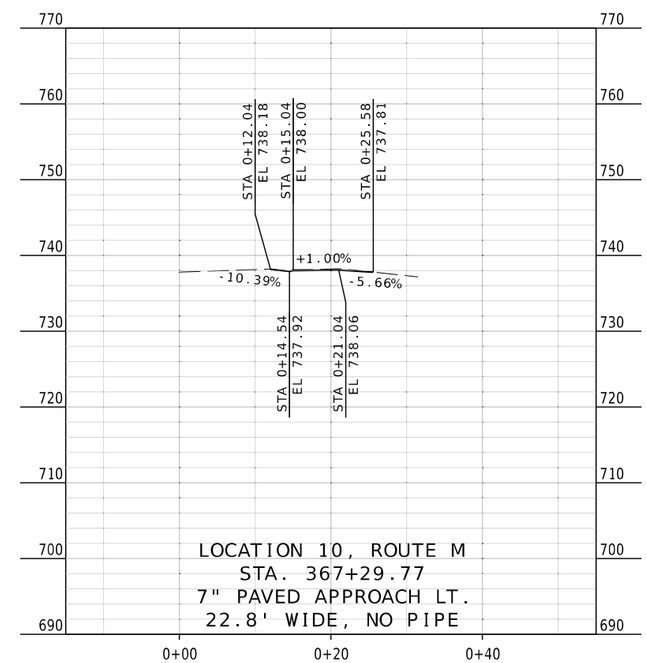

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/24/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	43

COUNTY
COLE/OSAGE

JOB NO.
JCD0126

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

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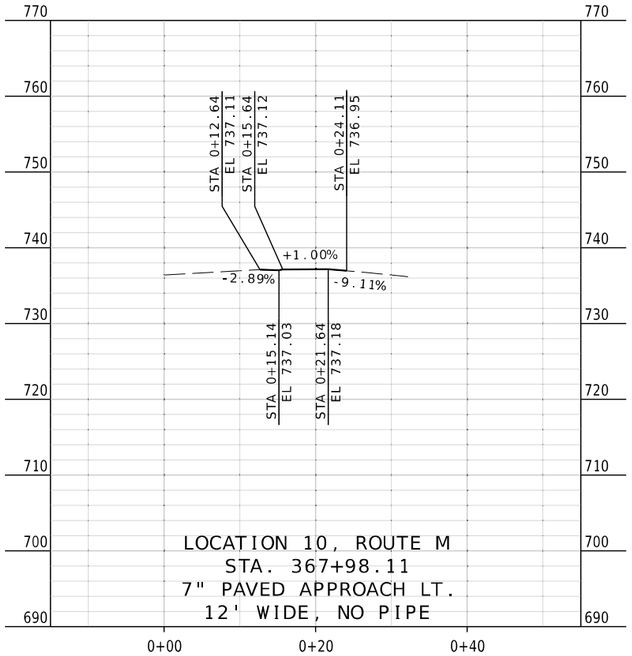

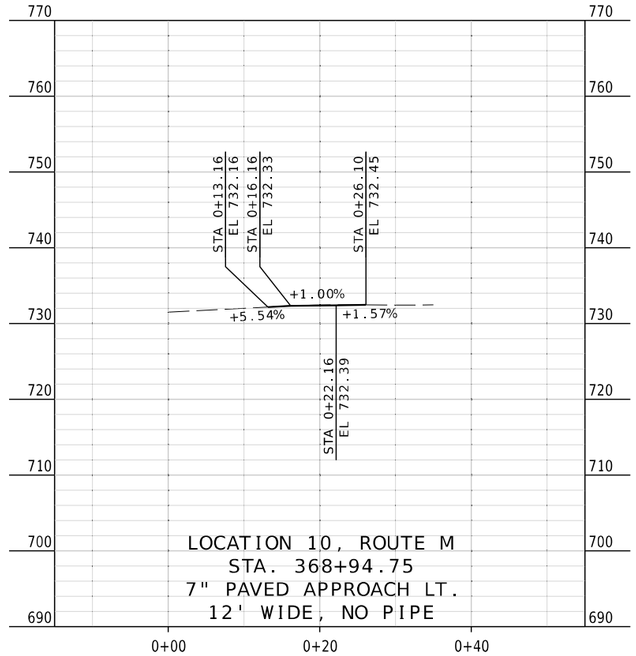

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/24/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	44

COUNTY
COLE/OSAGE

JOB NO.
JCD0126

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
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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 (2011) EPOCH 2011
VERTICAL DATUM	NAVD83 : GNSS Derived
GEOID MODEL	18
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING / GPS MODOT VRS
PROJECT PROJECTION FACTOR	1.00008950

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MO COORDINATE SYSTEM OF 1983
CONTROL STATION	MISSOURI CORS
DESIGNATION	MODOT JEFF CITY CORS ARP
CORS_ID	MOJC
PID	DL6141
LATITUDE	38 34 47.29654
LONGITUDE	092 17 40.74731
NORTHING (M)	304807.3850
EASTING (M)	517892.1050
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.99990572

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 1711720.25700 X 0.99990572 = N 1711558.8760142
E 1000965.11400 X 0.99990572 = E 10000022.223009

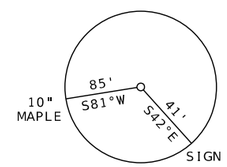
LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

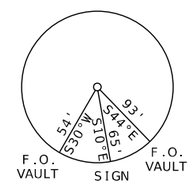
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
	368+63.19	RT.	49.73	1,000,965.11	1,711,720.26	778.32	GPS #1 - CPT-PK	1
	372+32.66	LT.	32.53	1,001,004.90	1,712,096.68	773.29	GPS #2 - CPT-PK-101	2
	375+23.95	RT.	53.07	1,000,886.79	1,712,376.36	769.66	GPS #3 - CPT-PK-102	3
	379+54.50	RT.	16.65	1,000,874.10	1,712,808.27	767.87	GPS #4 - CPT-PK	4
	N/A	RT.	N/A	1,000,762.28	1,713,443.73	760.93	GPS #5 - CPT-PK	5
	N/A	RT.	N/A	1,000,426.76	1,711,587.97	751.80	GPS #6 - CPT-PK	6
ALIGNMENTS								
	364+63.82	CL	0	1,001,059.85	1,711,329.11	N/A	POT - BEGIN CHAIN BUS_50_STRIP_MALL	N/A
	400+61.61	CL	0	1,000,651.46	1,714,903.65	N/A	PC - CHAIN BUS_50_STRIP_MALL	N/A
	402+18.23	CL	ON TANGENT	1,000,633.68	1,715,059.25	N/A	PI - CHAIN BUS_50_STRIP_MALL	N/A
	403+74.77	CL	0	1,000,624.43	1,715,215.60	N/A	PT - CHAIN BUS_50_STRIP_MALL	N/A
	406+58.01	CL	0	1,000,607.70	1,715,498.34	N/A	PC- CHAIN BUS_50_STRIP_MALL	N/A

JEFFERSON CITY
MISSOURI BLVD.
(STRIP MALL)



PK NAIL
CP #102

JEFFERSON CITY
MISSOURI BLVD.
(STRIP MALL)



PK NAIL
CP #4

COORDINATE POINT SHEET
SHEET 01 OF 05

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/24/2025
ROUTE VAR. STATE MO
DISTRICT CD SHEET NO. 45
COUNTY COLE/OSAGE
JOB NO. JCD0126
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
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Engineering beyond.™

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 (2011) EPOCH 2011
VERTICAL DATUM	NAVD83 : GNSS DERIVED
GEOID MODEL	18
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING / GPS MODOT VRS
PROJECT PROJECTION FACTOR	1.00008950

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MO COORDINATE SYSTEM OF 1983
CONTROL STATION	MISSOURI CORS
DESIGNATION	MODOT JEFF CITY CORS ARP
CORS_ID	MOJC
PID	DL6141
LATITUDE	38 34 47.29654
LONGITUDE	092 17 40.74731
NORTHING (M)	304807.3850
EASTING (M)	517892.1050
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.99990572

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 1711720.25700 X 0.99990572 = N 1711558.8760142
E 1000965.11400 X 0.99990572 = E 10000022.223009

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
	368+63.19	RT.	49.73	1,000,965.11	1,711,720.26	778.32	GPS #1 - CPT-PK	1
	372+32.66	LT.	32.53	1,001,004.90	1,712,096.68	773.29	GPS #2 - CPT-PK-101	2
	375+23.95	RT.	53.07	1,000,886.79	1,712,376.36	769.66	GPS #3 - CPT-PK-102	3
	379+54.50	RT.	16.65	1,000,874.10	1,712,808.27	767.87	GPS #4 - CPT-PK	4
	N/A	RT.	N/A	1,000,762.28	1,713,443.73	760.93	GPS #5 - CPT-PK	5
	N/A	RT.	N/A	1,000,426.76	1,711,587.97	751.80	GPS #6 - CPT-PK	6
ALIGNMENTS								
	47+36.30	CL	0	999,917.22	1,727,962.06	N/A	PT - BEGIN CHAIN BUS_50_MODOT	N/A
	51+82.19	CL	0	1,000,176.13	1,727,962.03	N/A	PC - BEGIN CHAIN BUS_50_MODOT	N/A
	57+00.25	CL	ON TANGENT	1,000,476.94	1,727,177.25	N/A	PI - CHAIN BUS_50_MODOT	N/A
	62+00.65	CL	0	1,000,523.43	1,726,661.28	N/A	PT - CHAIN BUS_50_MODOT	N/A

COORDINATE POINT SHEET
SHEET 02 OF 05

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/24/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	46

COUNTY: COLE/OSAGE
JOB NO.: JCD0126
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
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PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)
HORIZONTAL DATUM	NAD83 (2011) EPOCH 2011
VERTICAL DATUM	NAVD83 : GNSS Derived
GEOID MODEL	18
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING / GPS MODOT VRS
PROJECT PROJECTION FACTOR	1.00008950

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MO COORDINATE SYSTEM OF 1983
CONTROL STATION	MISSOURI CORS
DESIGNATION	MODOT JEFF CITY CORS ARP
CORS_ID	MOJC
PID	DL6141
LATITUDE	38 34 47.29654
LONGITUDE	092 17 40.74731
NORTHING (M)	304807.3850
EASTING (M)	517892.1050
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.99990572

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 1711720.25700 X 0.99990572 = N 1711558.8760142
E 1000965.11400 X 0.99990572 = E 10000022.223009

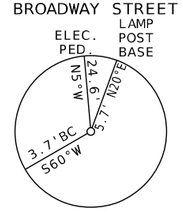
LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

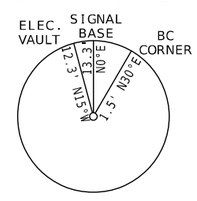
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
MAIN AND HIGH STREETS								
	13+73.69	RT.	24.05	1,001,961.11	1,731,863.34	621.08	GPS #100 - CPT	100
	12+88.74	RT.	18.77	1,002,022.05	1,731,803.87	622.26	GPS #101 - CPT	101
	11+83.93	LT.	19.15	1,002,120.43	1,731,751.56	623.53	GPS #102 - CPT	102
	9+91.32	LT.	54.75	1,002,276.02	1,731,632.58	627.17	GPS #103 - CPT	103
	9+79.24	RT.	25.58	1,002,224.54	1,731,569.74	625.20	GPS #104 - CPT	104
BROADWAY, JEFFERSON, MADISON AND MONROE STREETS								
	12+39.50	RT.	77.2	999,152.20	1,732,793.93	553.42	GPS #45 - CPT	45
	34+51.35	RT.	50.48	997,427.85	1,734,019.84	573.43	GPS #500 - CPT-CHISELX	500
	33+67.69	LT.	58.46	997,564.81	1,734,030.17	571.37	GPS #700 - CPT-PK	700
	34+49.47	RT.	51.44	997,428.38	1,734,017.80	573.31	GPS #701 - CPT-PK	701
	28+50.33	LT.	44.82	997,899.73	1,733,635.62	563.68	GPS #702 - CPT-PK	702
	29+44.43	RT.	58.65	997,759.88	1,733,636.71	563.33	GPS #703 - CPT-PK	703
	24+71.46	LT.	45.71	998,153.11	1,733,353.94	558.89	GPS #704 - CPT-PK	704
	23+79.51	RT.	50.54	998,150.82	1,733,220.01	558.36	GPS #705 - CPT-PK	705
	13+41.67	LT.	55.19	999,180.43	1,732,959.93	556.93	GPS #706 - CPT-PK	706
	12+27.52	RT.	59.81	999,173.17	1,732,796.46	554.48	GPS #707 - CPT-PK	707
ALIGNMENTS								
MAIN STREET								
	9+99.58	?	0	1,002,229.87	1,731,601.98	N/A	POT - BEGIN CHAIN MAIN_ST	N/A
	15+00.00	?	0	1,001,894.24	1,731,973.16	N/A	POT - END CHAIN MAIN_ST	N/A
HIGH STREET								
	9+10.00	?	0	1,001,920.76	1,731,201.66	N/A	POT - BEGIN CHAIN HIGH_ST	N/A
	16+00.00	?	0	1001457.973	1,731,713.44	N/A	POT - END CHAIN HIGH_ST	N/A
BROADWAY, JEFFERSON, MADISON AND MONROE STREETS								
	0+00.00	?	0	1,000,030.52	1,731,915.93	N/A	POT - BEGIN CHAIN REX_M_WHITTON_EXPY	N/A
	13+04.10	?	0	999,167.31	1,732,893.45	N/A	PC - CHAIN REX_M_WHITTON_EXPY	N/A
	15+20.95	?	ON TANGENT	999,023.77	1,733,056.00	N/A	PI - CHAIN REX_M_WHITTON_EXPY	N/A
	17+18.79	?	0	998,808.62	1,733,083.09	N/A	PT - CHAIN REX_M_WHITTON_EXPY	N/A
	20+43.19	?	0	998,486.76	1,733,123.62	N/A	PC - CHAIN REX_M_WHITTON_EXPY	N/A
	22+57.67	?	ON TANGENT	998,273.96	1,733,150.42	N/A	PI - CHAIN REX_M_WHITTON_EXPY	N/A
	24+53.71	?	0	998,130.90	1,733,310.22	N/A	PT - CHAIN REX_M_WHITTON_EXPY	N/A
	36+59.65	?	0	997,326.52	1,734,208.70	N/A	PT - END CHAIN REX_M_WHITTON_EXPY	N/A

JEFFERSON CITY
BROADWAY STREET



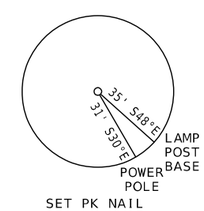
PK NAIL SE CORNER
OF TELE-MH STRUCTURE
CP #706

JEFFERSON CITY
BROADWAY STREET



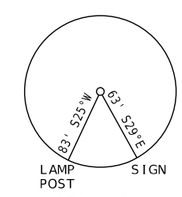
PK NAIL IN
ROAD PAVEMENT
CP #45

JEFFERSON CITY
MAIN STREET



SET PK NAIL
CP #104

JEFFERSON CITY
MAIN STREET



SET PK NAIL
CP #103

COORDINATE POINT SHEET
SHEET 03 OF 05

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/24/2025
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 47
COUNTY COLE/OSAGE
JOB NO. JCD0126
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9951
COA# 00062
weareown.com
OWN
Engineering beyond.™

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 (2011) EPOCH 2011
VERTICAL DATUM	NAVD83 : GNSS Derived
GEOID MODEL	18
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING / GPS MODOT VRS
PROJECT PROJECTION FACTOR	1.00008950

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MO COORDINATE SYSTEM OF 1983
CONTROL STATION	MISSOURI CORS
DESIGNATION	MODOT JEFF CITY CORS ARP
CORS_ID	MOJC
PID	DL6141
LATITUDE	38 34 47.29654
LONGITUDE	092 17 40.74731
NORTHING (M)	304807.3850
EASTING (M)	517892.1050
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.99990572

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 1711720.25700 X 0.99990572 = N 1711558.8760142
E 1000965.11400 X 0.99990572 = E 10000022.223009

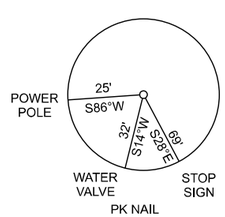
LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

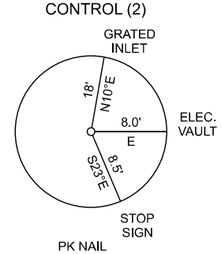
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
WARDSVILLE								
	7+14.92	RT.	26.84	1,733,391.67	966,070.00	811.37	GPS #34 - CPT-PK	34
	10+02.90	LT.	16.11	1,733,477.70	966,378.02	808.89	GPS #35 - CPT-PK	35
	13+21.00	RT.	24.86	1,733,426.12	966,663.05	803.53	GPS #36 - CPT-PK	36
TAOS								
	358+94.93	LT.	35.14	1,763,947.21	974,253.30	744.84	GPS #1196 - CPT-PK	1196
ALIGNMENTS								
WARDSVILLE								
	0+00.01	CL	0	1,733,360.56	967,375.45	N/A	POT - BEGIN CHAIN WARDSVILLE	N/A
	7+18.80	CL	0	1,733,453.24	966,662.66	N/A	PC - CHAIN WARDSVILLE	N/A
	9+12.88	CL	ON TANGENT	1,733,478.26	966,470.19	N/A	PI - CHAIN WARDSVILLE	N/A
	11+04.60	CL	0	1,733,450.89	966,278.04	N/A	PT - CHAIN WARDSVILLE	N/A
	12+06.80	CL	0	1,733,436.48	966,176.86	N/A	PC - CHAIN WARDSVILLE	N/A
	12+99.83	CL	ON TANGENT	1,733,423.37	966,084.76	N/A	PI - CHAIN WARDSVILLE	N/A
	13+92.60	CL	0	1,733,398.52	965,995.11	N/A	PT - CHAIN WARDSVILLE	N/A
	23+32.92	CL	0	1,733,147.35	965,088.96	N/A	POT - END CHAIN WARDSVILLE	N/A
TAOS								
	334+96.20 R1	CL	0	1,761,862.93	973,417.36	N/A	POT - BEGIN CHAIN TAOS	N/A
	337+51.30 R1	CL	0	1,762,116.92	973,393.56	N/A	PT - CHAIN TAOS	N/A
	340+54.80 R1	CL	0	1,762,420.41	973,391.34	N/A	PC - CHAIN TAOS	N/A
	342+27.94 R1	CL	ON TANGENT	1,762,593.55	973,390.07	N/A	PI - CHAIN TAOS	N/A
	343+99.47 R1	CL	0	1,762,762.16	973,429.43	N/A	PT - CHAIN TAOS	N/A
	347+52.67 R1	CL	0	1,763,106.11	973,509.72	N/A	PC - CHAIN TAOS	N/A
	349+29.65 R1	CL	ON TANGENT	1,763,278.47	973,549.95	N/A	PI - CHAIN TAOS	N/A
	350+99.65 R1	CL	0	1,763,412.10	973,666.00	N/A	PT - CHAIN TAOS	N/A
	355+34.30 R2	CL	0	1,763,743.41	973,953.71	N/A	PT - CHAIN TAOS	N/A
	361+52.80 R2	CL	0	1,764,139.25	974,428.95	N/A	PT - CHAIN TAOS	N/A
	365+89.70 R2	CL	0	1,764,364.21	974,803.48	N/A	PC - CHAIN TAOS	N/A
	368+86.17 R2	CL	ON TANGENT	1,764,516.86	975,057.63	N/A	HPI - CHAIN TAOS	N/A
	371+69.88 R2	CL	0	1,764,773.71	975,205.70	N/A	PT - CHAIN TAOS	N/A
	372+43.83 R2	CL	0	1,764,837.77	975,242.62	N/A	POT - END CHAIN TAOS	N/A

WARDSVILLE CONTROL (2)



CP #34

WARDSVILLE CONTROL (2)

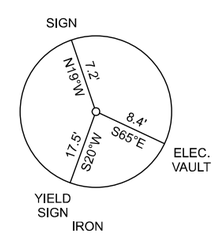


CP #35

WARDSVILLE CONTROL (2)

CP #36

WARDSVILLE CONTROL (2)



CP #98

COORDINATE POINT SHEET
SHEET 04 OF 05

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 4/7/2025
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 48
COUNTY COLE/OSAGE
JOB NO. JCD0126
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)

2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

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 (2011) EPOCH
VERTICAL DATUM	NAVD83: GNSS DERIVED
GEOID MODEL	18
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING / GPS MODOT VRS
PROJECT PROJECTION FACTOR	1.00005740

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)
CONTROL STATION	MISSOURI CORS
DESIGNATION	MODOT JEFF CITY CORS ARP
CORS_ID	MOJC
PID	DL6141
LATITUDE	38 34 47.29654
LONGITUDE	092 17 40.74731
NORTHING (M)	304807.3850
EASTING (M)	517892.1050
ZONE	CENTRAL
PROJECT AVERAGE GRID FACTOR	0.99990572

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

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

EXAMPLE: CONTROL POINT #1
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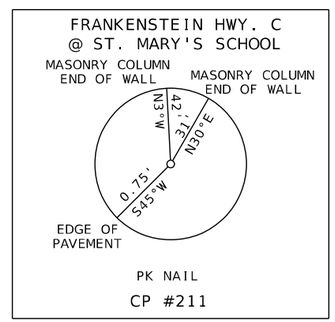
E 1000965.11400 X 0.99990572 = E 10000022.223009

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
	387+45.39	RT.	8.79	998,682.42	1,816,989.88	790.56	GPS #210 - CPT	210
	386+52.78	RT.	9.02	998,740.07	1,816,917.40	789.30	GPS #211 - CPT	210
	382+76.77	RT.	13.26	998,971.56	1,816,621.07	787.07	GPS #300 - CPT	300
	384+74.35	LT.	19.48	998,873.75	1,816,795.84	788.86	GPS #301 - CPT	301
	389+25.23	LT.	0.05	998,577.04	1,817,135.87	788.81	GPS #9000 - CPT-IR38	9000
ALIGNMENTS								
	381+03.60 R1	CL	0	999,090.06	1,816,494.09	N/A	POT - BEGIN CHAIN FRANKENSTIN	N/A
	389+25.17 R1	CL	0	998,577.02	1,817,135.79	N/A	POT - END CHAIN FRANKENSTIN	N/A



COORDINATE POINT SHEET
SHEET 05 OF 05

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/24/2025
ROUTE VAR. | STATE MO
DISTRICT CD | SHEET NO. 49
COUNTY COLE/OSAGE
JOB NO. JCD0126
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

LOCATION - 05
JEFFERSON CITY - US50/BROADWAY ST.

SPECIAL SHEET 1 OF 11

STATE OF MISSOURI
SEAN L MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	50
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

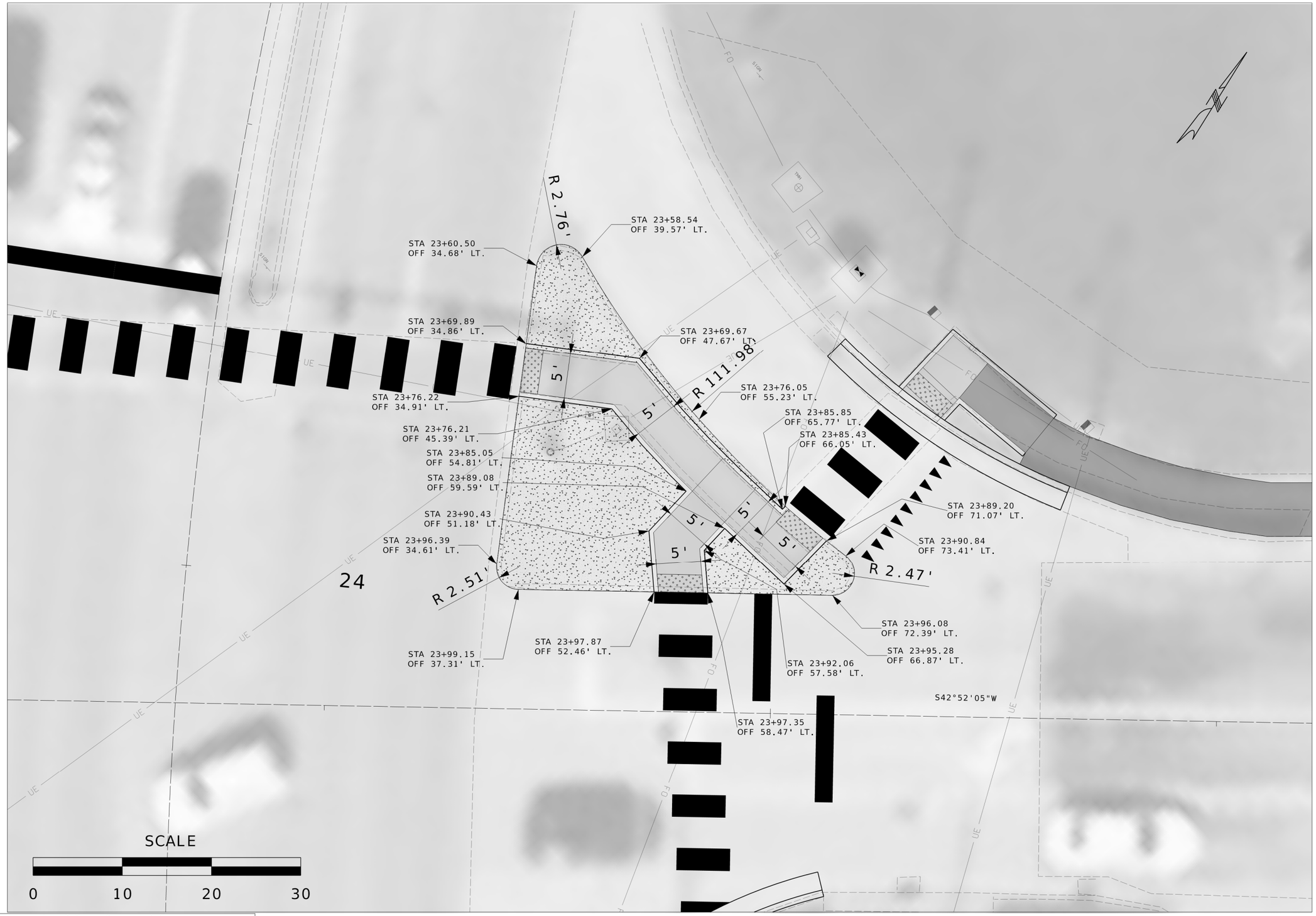
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.



LOCATION - 06
JEFFERSON CITY - US50/JEFFERSON ST

SPECIAL SHEET 2 OF 11

STATE OF MISSOURI
SEAN L MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	51
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

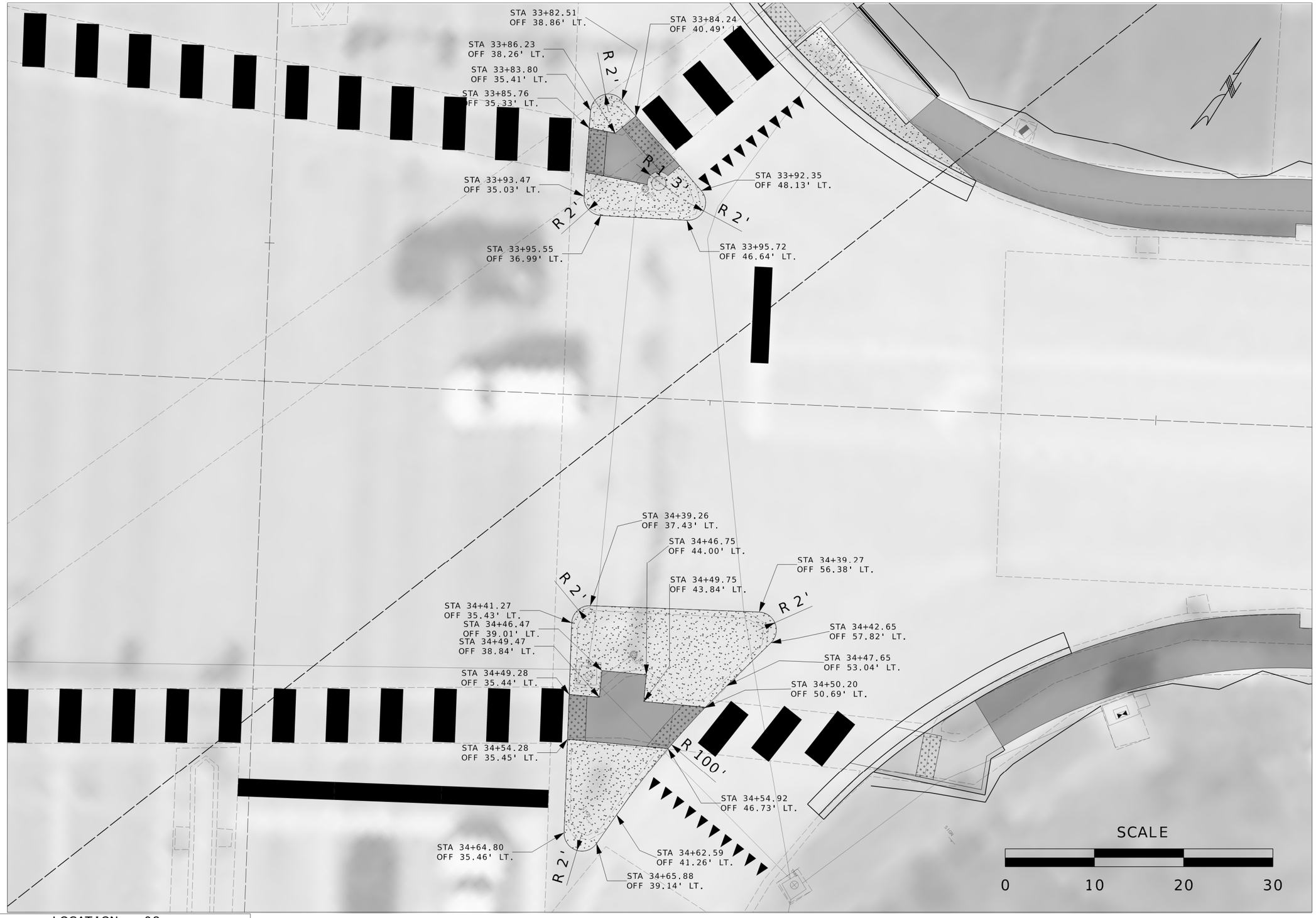
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.



LOCATION - 08
JEFFERSON CITY - US50/MONROE ST.

SPECIAL SHEET 3 OF 11

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	52
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

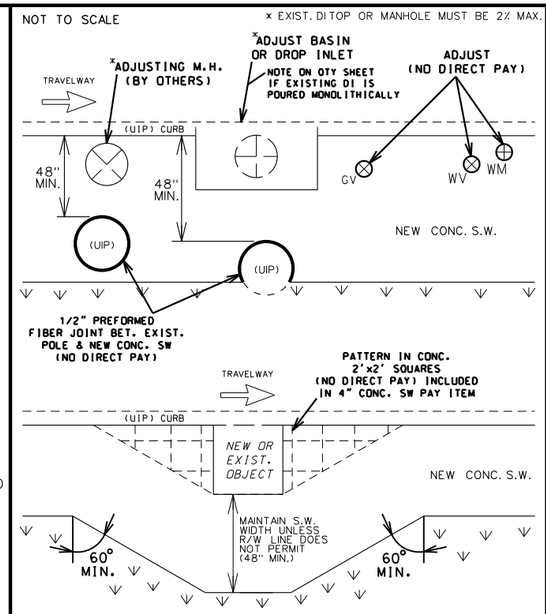
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

OWN
Engineering beyond.

1. CONCRETE SIDEWALK, CURB RAMP AND DETECTABLE WARNING DEVICE (TRUNCATED DOMES) DETAILS SHALL CONFORM TO ADA REQUIREMENTS UNLESS NOTED OTHERWISE IN THESE PLANS. FOR SIDEWALK JOINT AND CURB DETAILS, SEE STANDARD PLAN 609.00.
2. TINTED CONCRETE SHALL NOT BE USED. TRUNCATED DOMES SHALL BE OF A COLOR CONTRASTING WITH UNTINTED CONCRETE AND APPROVED BY THE ENGINEER. TRUNCATED DOMES ARE REQ'D. AT STREET INTERSECTIONS AND COMMERCIAL ENTRANCES WITH TRAFFIC CONTROL ONLY. (STOP/YIELD SIGNS OR SIGNALS)
3. CONCRETE SHALL BE IN ACCORDANCE WITH SEC. 608 & SEC. 609. CURING COMPOUND SHALL BE TRANSPARENT.
4. ALL CONCRETE SIDEWALK AND CURB RAMP/TRANSITION/LANDING AREAS SHALL BE 4" THICK, WITH THE EXCEPTION OF THE BOTTOM TRANSITION WHICH TIES INTO THE EXISTING PAVED APPROACH AND ROADWAY. THIS TRANSITION, OR LANDING AREA, MUST BE 8" THICK IF IT FALLS WITHIN THE RADIUS OF THE APPROACH AND SITS AT THE BACK OF CURB OF THE ROADWAY. ALL CONCRETE SIDEWALK AND CURB RAMP/TRANSITION/LANDING AREAS SHALL BE ON 4" TYPE 1 AGGREGATE BASE.
5. AGGREGATE BASE DENSITY - CONTRACTOR SHALL EXERCISE GOOD COMPACTIVE EFFORT AS APPROVED BY THE ENGINEER. DENSITY REQUIREMENTS BY NUCLEAR METHOD WILL NOT BE REQUIRED DUE TO WORK AREA CONSTRAINTS.
6. CONCRETE CURB RAMP - WIDTH = 5' MIN. LENGTH = 5' MIN. TO 15' PREFERRED MAX. (16' MAX.)
   RUNNING SLOPE = >5% (MIN.) TO 8.33% (MAX.) UNIFORMLY DOWN THE LENGTH OF THE RAMP.

   CONCRETE LANDING - WIDTH = TO MATCH PROPOSED CURB RAMP AND SIDEWALK WIDTH LENGTH = 5' MIN.
   SLOPE IN ALL DIRECTIONS = 1% PREFFERED (2% MAX.) UNLESS TIED TO ROADWAY EXCEPTION.
7. ALL EXISTING UTILITIES SHALL BE USED IN PLACE UNLESS OTHERWISE NOTED. ALL MANHOLE OR VALVE COVER, ETC. ELEVATIONS SHALL BE ADJUSTED AS REQUIRED IF THEY ARE LOCATED WITHIN THE IMPROVEMENT AREA.
8. "PREFORMED FIBER JOINT" SHALL BE IN ACCORDANCE WITH SEC. 1057 FOR PREFORMED FIBER JOINT EXPANSION JOINT FILLER.
9. REINFORCING STEEL TIE BARS SHALL BE IN ACCORDANCE WITH SECTION 706. ALL REINFORCING STEEL SHALL BE EPOXY COATED AND USED AS APPROVED BY THE ENGINEER. WHERE TIE BARS ARE USED, THE CONCRETE SHALL BE 8" THICK (NO DIRECT PAY).
10. CONSTRUCTION AND LENGTH OF EACH CURB RAMP INCLUDING LANDINGS AND TRANSITION AREAS SHALL BE AS SHOWN ON THE PLANS UNLESS DIFFERING FIELD CONDITIONS ARE FOUND OR AS APPROVED BY THE ENGINEER. CURB RAMP CROSS SLOPES SHALL BE 1% PREFFERED (2% MAX.) TOWARD THE STREET. CURB RAMPS ARE TO BE FORMED UP AND HAVE A TRUE AND STRAIGHT LINE.
11. SIDEWALK AND CONCRETE CURB SHALL BE POURED MONOLITHICALLY. THE CONTRACTOR SHALL MATCH EXISTING GROUND SLOPES ADJACENT TO THE CURB RAMPS OR USE AN ALTERNATE METHOD APPROVED BY THE ENGINEER.
12. S-CURB 12"-30" HIGH (MODIFIED S-CURB) WILL REQUIRE #4 REINFORC. BARS ON MAX. 12" CENTERS - SEE DETAIL (NO DIRECT PAY)
13. SODDED SLOPES AT EDGES OF SIDEWALK OR S-CURB SHOULD BE GRADED TO BE 6:1 MIN.

NOT TO SCALE

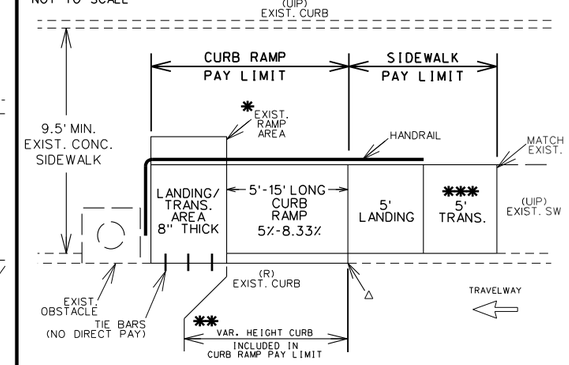


UTILITIES OR VARIOUS OBSTACLES

NO UTILITY POLES ARE ALLOWED IN THE RAMP LIMITS. BUT ARE PERMITTED IN THE LANDING AREAS AND SIDEWALK WITH A MINIMUM OF 4' CLEARANCE AROUND THE POLE

NOT TO SCALE

REVISED: 2022-05-18



△ MATCH EXIST CURB

* FILL IN WHERE EXIST. RAMP WAS. SIZE WILL VARY. (SEE TYPICAL SHEET)

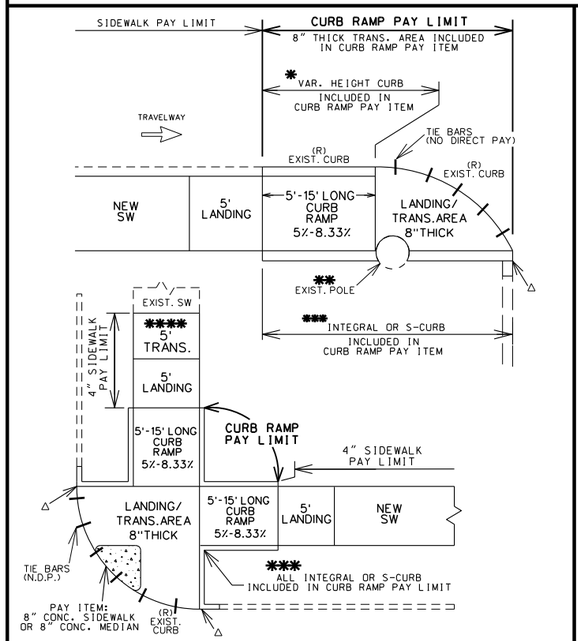
** VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONSTRUCTED MONOLITHIC OR SEPERATE DEPENDING ON CONST. OPERATIONS.

*** TO BLEND CROSS SLOPE DISCREPENCY

HANDRAIL 2' OFF E.O.P (SEE HANDRAIL STANDARDS)

CURB RAMP - IN EXISTING 9.5'+ WIDE SW

PAY LIMITS



△ MATCH EXIST CURB HEIGHT, OPTIONAL 1' TIE-IN TO EXIST CURB

* VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONST. MONOLITHIC OR SEP. DEPENDING ON CONST. OPERATIONS.

** NO UTILITY POLES ARE ALLOWED IN THE RAMP LIMITS, BUT ARE PERMITTED IN THE LANDING AND TRANSITION AREAS.

*** TYPE OF CURB WILL DEPEND ON FIELD CONDITIONS.

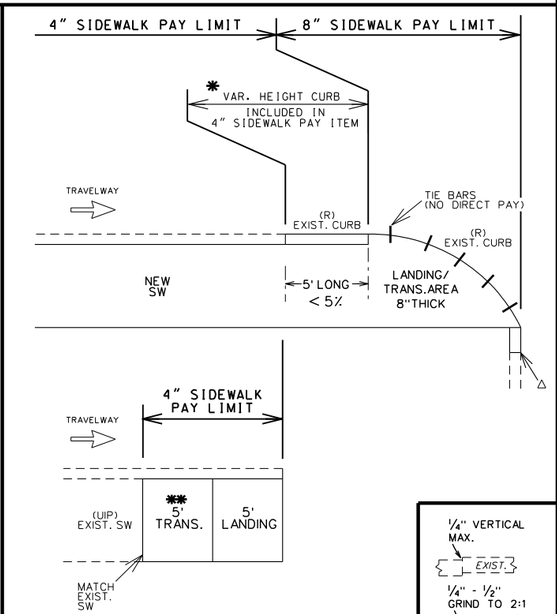
**** TO BLEND CROSS SLOPE DISCREPENCY

CURB RAMP

PAY LIMITS

WHEN RAMP AREA IS LONGER THEN 5' AND BET. 5%-8.33% GRADE. IT IS CONSIDERED A CURB RAMP

NOT TO SCALE



△ MATCH EXIST CURB HEIGHT (1' TAPER FROM SIDEWALK UP TO EXIST CURB HEIGHT)

* VAR. HEIGHT CURB ALONG ROADSIDE MAY BE CONSTRUCTED MONOLITHIC OR SEPERATE DEPENDING ON CONST. OPERATIONS. DOWEL TO EXIST. GUTTER/PAVEMENT (NO DIRECT PAY).

** TO BLEND CROSS SLOPE DISCREPENCY

SIDEWALK

PAY LIMITS

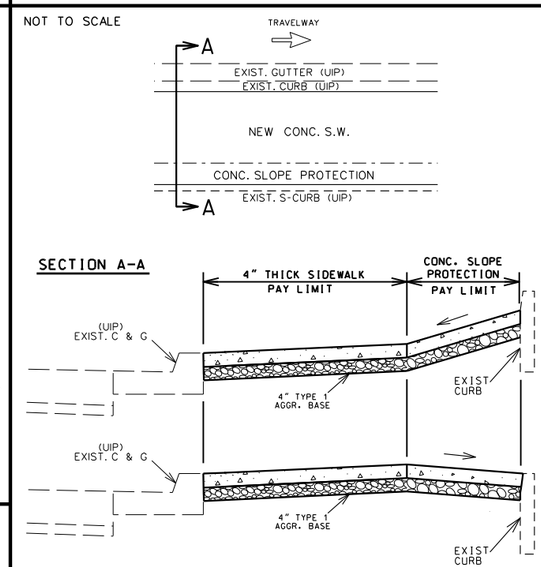
WHEN RAMP AREA IS 5' LONG AND LESS THEN 5% GRADE. IT IS CONSIDERED SIDEWALK

NOT TO SCALE

JOINT GRINDING

TRIP HAZARDS 622-99.03

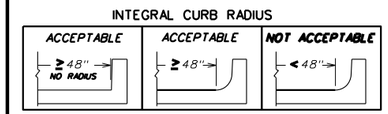
NOT TO SCALE



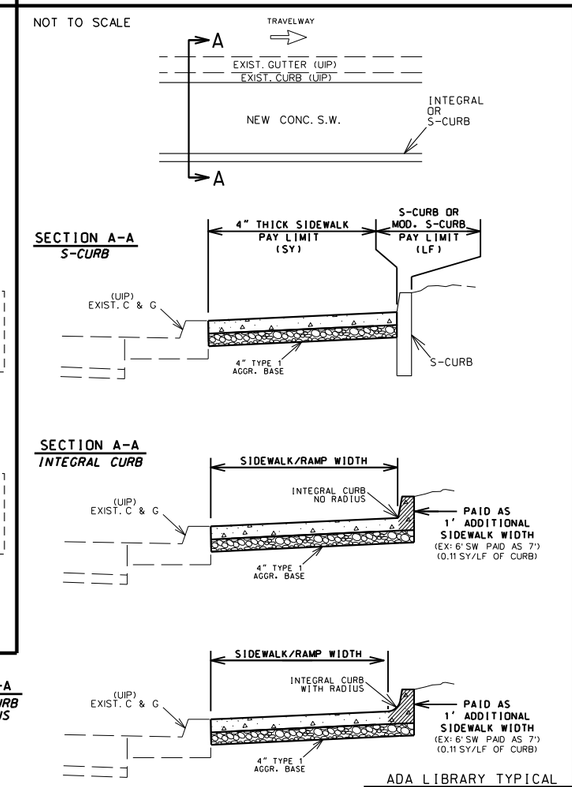
SIDEWALK WITH CONCRETE SLOPE PROTECTION

PAY LIMITS

INTEGRAL CURB RADIUS



NOT TO SCALE



SECTION A-A
INTEGRAL CURB WITH RADIUS

ADA LIBRARY TYPICAL

SIDEWALK & RAMP WITH CURB

PAY LIMITS

SPECIAL SHEET
SHEET 4 OF 11

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	53
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN Engineering beyond.

REVISED: 2022-05-18

PERPENDICULAR - TYPE 1

TYPE 1-A

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	12.0	-	10.0	12.0	-	10.0	12.0	
CURB RAMP	SY	-	8.2	12.8	-	10.8	12.7	-	13.5	15.8	
CONC. SIDEWALK	SY	-	5.6	6.4	-	5.6	6.4	-	4.9	6.4	
TYPE 1 AGGREGATE	SY	-	13.8	16.0	-	16.4	19.1	-	18.3	22.2	
ADA LINEAR GRADING	LF	-	22.0	22.0	-	27.5	27.5	-	30.0	30.5	
SODDING	SY	-	5.8	5.7	-	6.8	6.9	-	7.5	7.9	

TYPE 1-B

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	22.0	24.0	-	22.0	24.0	-	22.0	24.0	
CURB RAMP	SY	-	10.9	13.1	-	13.6	16.3	-	16.2	19.3	
CONC. SIDEWALK	SY	-	5.6	6.3	-	5.6	6.4	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	16.5	19.4	-	19.2	22.7	-	21.1	25.0	
ADA LINEAR GRADING	LF	-	28.0	28.0	-	34.5	34.5	-	38.0	38.0	
SODDING	SY	-	7.4	7.8	-	8.4	8.7	-	9.1	9.5	

TYPE 1-C

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	12.0	-	10.0	12.0	-	10.0	12.0	
CURB RAMP	SY	-	8.8	10.3	-	11.5	13.4	-	14.1	16.5	
CONC. SIDEWALK	SY	-	5.6	6.4	-	5.6	6.4	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	14.4	16.7	-	17.1	19.8	-	19.0	22.1	
ADA LINEAR GRADING	LF	-	22.0	22.0	-	26.5	26.5	-	30.0	30.0	
SODDING	SY	-	11.5	11.7	-	13.5	13.5	-	15.0	15.2	

TYPE 1-D

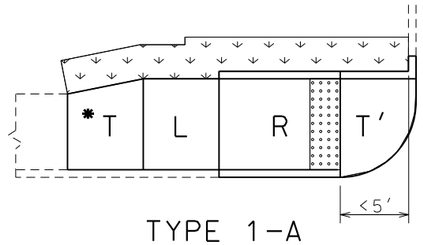
LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	18.0	24.0	-	18.0	24.0	-	18.0	24.0	
CURB RAMP	SY	-	18.6	22.8	-	24.0	29.0	-	29.3	35.3	
CONC. SIDEWALK	SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	29.8	35.6	-	35.2	41.8	-	39.1	46.7	
ADA LINEAR GRADING	LF	-	42.0	50.0	-	57.0	61.0	-	67.0	72.0	
SODDING	SY	-	11.0	11.3	-	13.0	13.3	-	14.5	14.9	

TYPE 1-E

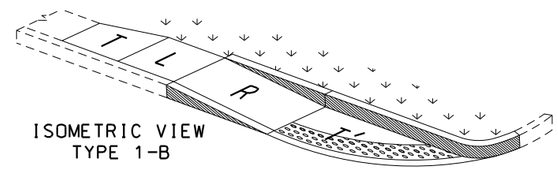
LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	18.0	24.0	-	18.0	24.0	-	18.0	24.0	
CURB RAMP	SY	-	14.8	19.0	-	20.1	25.2	-	25.5	31.4	
CONC. SIDEWALK	SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	26.0	31.8	-	31.3	38.0	-	35.3	42.8	
ADA LINEAR GRADING	LF	-	43.0	46.0	-	52.0	55.0	-	59.0	62.0	
SODDING	SY	-	13.3	13.6	-	16.0	16.9	-	18.6	19.3	

TYPE 1-F

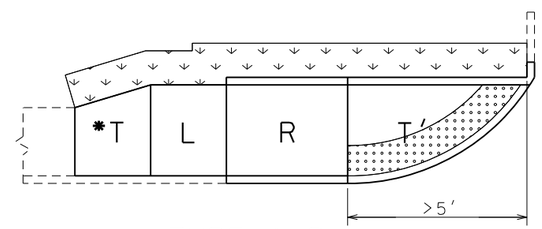
LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	14.0	16.0	-	14.0	16.0	-	14.0	16.0	
CURB RAMP	SY	-	15.5	19.0	-	20.8	25.2	-	26.2	31.4	
CONC. SIDEWALK	SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	26.7	31.8	-	32.0	38.0	-	36.0	42.8	
ADA LINEAR GRADING	LF	-	43.0	46.0	-	52.0	55.0	-	59.0	62.0	
SODDING	SY	-	18.4	18.8	-	22.4	22.8	-	25.6	25.9	



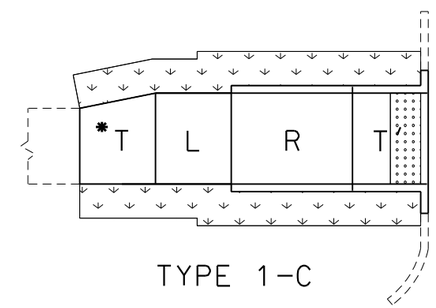
TYPE 1-A



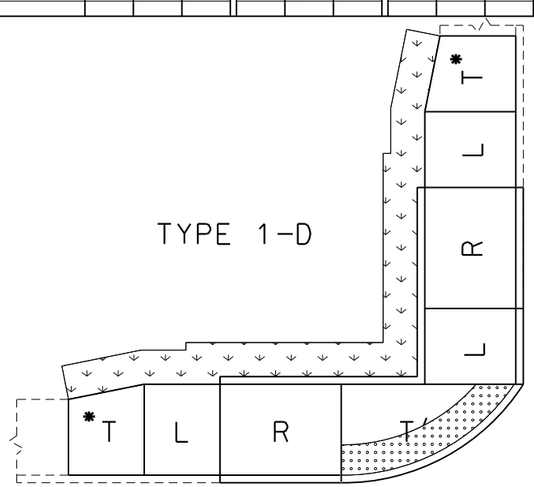
ISOMETRIC VIEW
TYPE 1-B



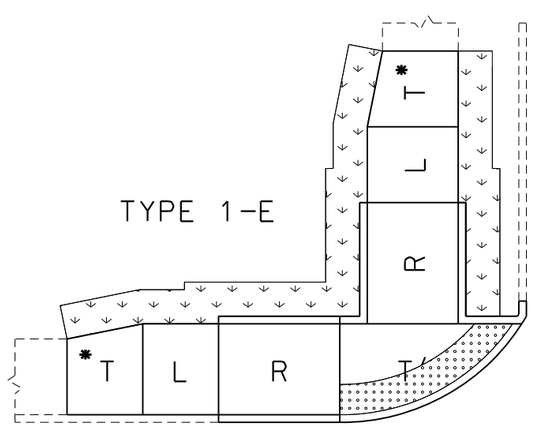
TYPE 1-B



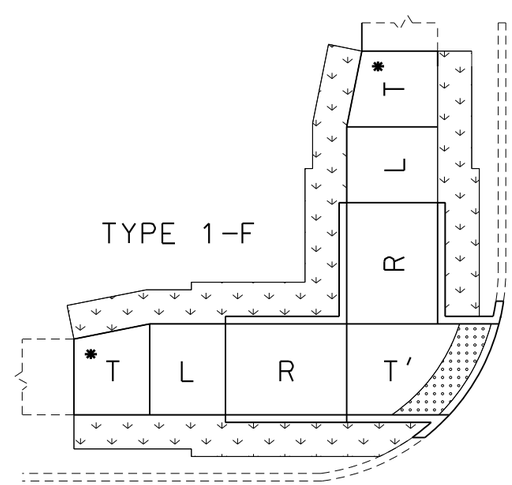
TYPE 1-C



TYPE 1-D



TYPE 1-E



TYPE 1-F

T'- IS TO BE 8" THICK AT ALL PAVED APPROACHES AND STREETS IF WITHIN THE RADIUS. PAID FOR AS CONCRETE CURB RAMP

T - TRANSITION TO EXISTING SW OR PAVED APPROACH (LANDING PREFERED AT PAVED APPROACH IF CONDITIONS ALLOW)

* - T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

L - LANDING

R - RAMP

- CURB RAMP PAY LIMITS

- SOD SLOPE 6:1 MIN.

- TRUNCATED DOME LOCATION IF DIST. IS <5' OR >5'

TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.

ADA LIBRARY TYPICAL

TYPE 1

PERPENDICULAR CURB RAMPS

SPECIAL SHEET
SHEET 5 OF 11

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	54
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

REVISED: 2022-05-18

PARALLEL - TYPE 2

TYPE 2-A

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	9.1	10.6	-	11.8	13.7	-	14.4	16.8	
CONC. SIDEWALK	SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	14.7	17.0	-	16.7	19.4	-	19.3	22.5	
ADA LINEAR GRADING	LF	-	26.0	26.0	-	29.0	29.0	-	33.0	33.0	
SODDING	SY	-	8.0	8.3	-	8.6	8.8	-	9.6	9.8	

TYPE 2-B

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	11.8	13.3	-	14.5	16.4	-	17.2	19.5	
CONC. SIDEWALK	SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	17.4	19.7	-	19.4	22.1	-	22.1	25.2	
ADA LINEAR GRADING	LF	-	26.0	26.0	-	29.0	29.0	-	33.0	33.0	
SODDING	SY	-	13.8	14.1	-	15.1	15.5	-	17.1	17.5	

TYPE 2-C

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	16.4	18.7	-	21.7	24.9	-	27.0	31.2	
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	27.6	31.5	-	31.5	36.3	-	36.8	42.6	
ADA LINEAR GRADING	LF	-	41.0	41.0	-	47.0	47.0	-	55.0	55.0	
SODDING	SY	-	12.3	12.5	-	13.6	13.9	-	15.6	15.9	

TYPE 2-D

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	16.8	19.2	-	22.2	25.4	-	27.5	31.6	
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	28.0	32.0	-	32.0	36.8	-	37.3	43.0	
ADA LINEAR GRADING	LF	-	41.0	41.0	-	47.0	47.0	-	55.0	55.0	
SODDING	SY	-	20.2	20.3	-	22.4	23.2	-	26.4	27.2	

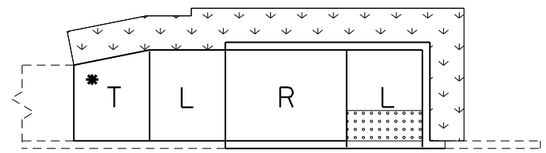
TYPE 2-E

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	10.8	11.5	-	13.2	14.4	-	15.7	17.3	
CONC. SIDEWALK	SY	-	5.6	6.7	-	5.0	6.0	-	5.0	6.0	
TYPE 1 AGGREGATE	SY	-	16.4	18.2	-	18.2	20.4	-	20.7	23.3	
ADA LINEAR GRADING	LF	-	22.5	22.5	-	26.5	26.5	-	30.5	30.5	
SODDING	SY	-	-	-	-	-	-	-	-	-	
HANDRAIL	LF	-	-	-	-	-	-	-	-	-	SEE STANDARDS FOR LENGTH

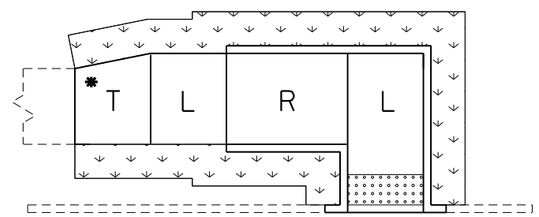
TYPE 2-F

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	10.0	10.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP	SY	-	15.5	17.1	-	20.4	23.1	-	25.5	28.9	
CONC. SIDEWALK	SY	-	11.2	13.4	-	10.0	12.0	-	10.0	12.0	
TYPE 1 AGGREGATE	SY	-	26.7	30.5	-	30.4	35.1	-	35.5	40.9	
ADA LINEAR GRADING	LF	-	39.0	39.0	-	47.0	47.0	-	55.0	55.0	
SODDING	SY	-	-	-	-	-	-	-	-	-	
HANDRAIL	LF	-	-	-	-	-	-	-	-	-	SEE STANDARDS FOR LENGTH

NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



TYPE 2-A



TYPE 2-B

** 3.5' LANDING EXTENSION REQ'D. FOR INSTALLATION OF FUTURE OR NEW PED.PUSH BUTTON

NOTE: SEE STANDARDS FOR ALL PED. PUSH BUTTON LOCATIONS

- TRUNCATED DOME

TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

T - TRANSITION TO EXISTING SW

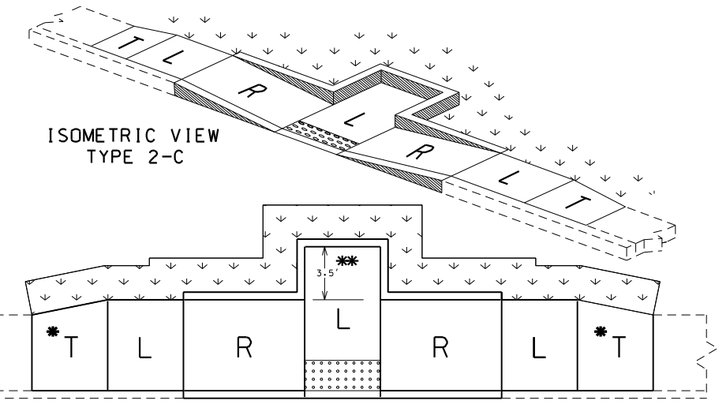
* - T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

L - LANDING

R - RAMP

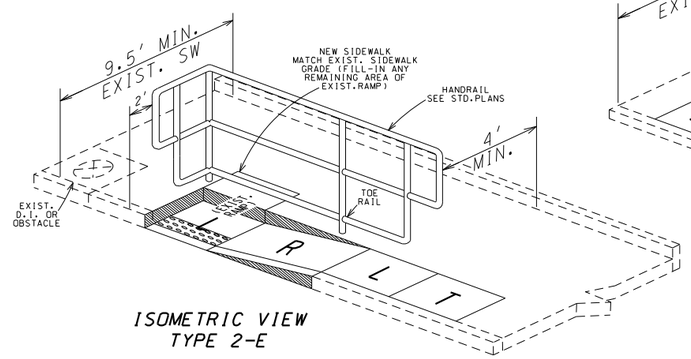
- SOD SLOPE 6:1 MIN.

- CURB RAMP PAY LIMITS

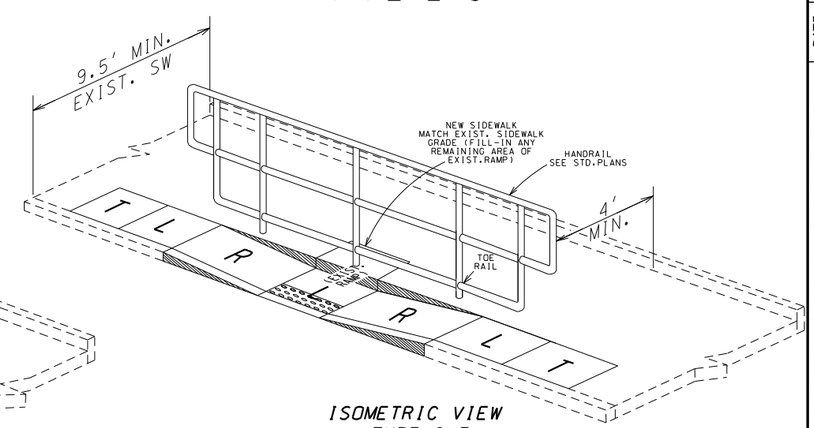


ISOMETRIC VIEW
TYPE 2-C

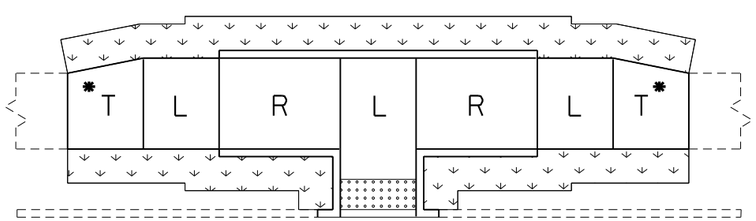
TYPE 2-C



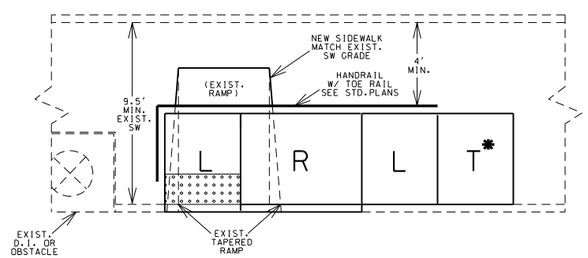
ISOMETRIC VIEW
TYPE 2-E



ISOMETRIC VIEW
TYPE 2-F



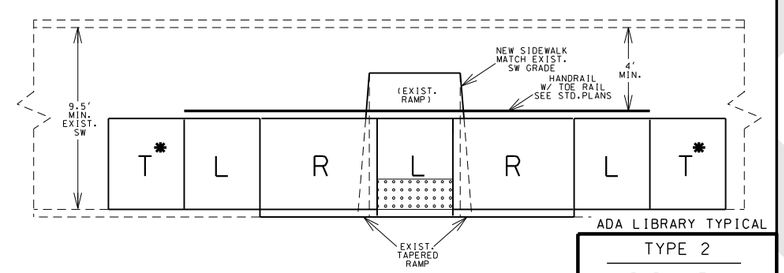
TYPE 2-D



TYPE 2-E

USE ONLY WHEN TYPE 2-F IS UNABLE TO BE CONSTRUCTED DUE TO AN EXIST. D.I. OR OTHER OBSTACLE

SEE STANDARDS FOR HANDRAIL SPECS



TYPE 2-F

SEE STANDARDS FOR HANDRAIL SPECS

ADA LIBRARY TYPICAL

TYPE 2

PARALLEL
CURB RAMPS

SPECIAL SHEET
SHEET 6 OF 11

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE: VAR.	STATE: MO
DISTRICT: CD	SHEET NO.: 55
COUNTY: COLE/OSAGE	
JOB NO.: JCD0126	
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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

REVISED: 2022-05-18

PARALLEL - TYPE 2 (cont'd.)

TYPE 2-G

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	12.0	12.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	15.7	18.0	-	20.8	23.7	-	25.8	30.2	
CONC. SIDEWALK SY	-	21.4	25.0	-	17.6	20.3	-	15.2	17.5	
TYPE 1 AGGREGATE SY	-	37.1	43.0	-	38.4	44.0	-	41.0	47.7	
ADA LINEAR GRADING LF	-	52.0	52.0	-	54.0	54.0	-	58.0	58.0	
SODDING SY	-	13.6	13.6	-	13.7	13.5	-	14.5	14.9	

TYPE 2-H

LENGTH (LF)	8			12			16			REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	12.0	12.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	15.7	18.0	-	21.0	24.5	-	26.9	31.4	
CONC. SIDEWALK SY	-	13.2	16.0	-	12.0	14.2	-	12.0	14.4	
TYPE 1 AGGREGATE SY	-	28.9	34.0	-	33.0	38.6	-	38.9	45.8	
ADA LINEAR GRADING LF	-	42.0	42.0	-	49.0	49.0	-	55.0	55.0	
SODDING SY	-	11.1	11.2	-	12.5	12.5	-	14.5	14.9	

T* - IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

T - TRANSITION TO EXISTING SW

L - LANDING

R - RAMP

- SOD SLOPE 6:1 MIN.

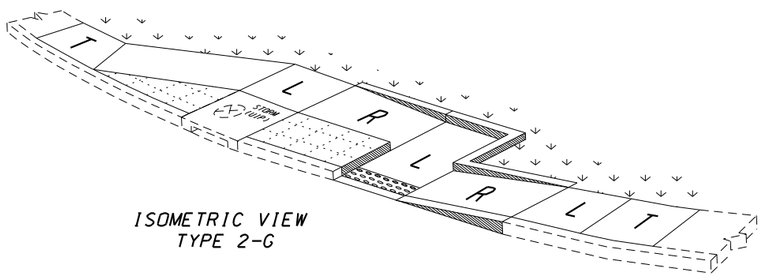
- TRUNCATED DOME LOCATION, IF DIST. IS <5' OR > 5'

TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

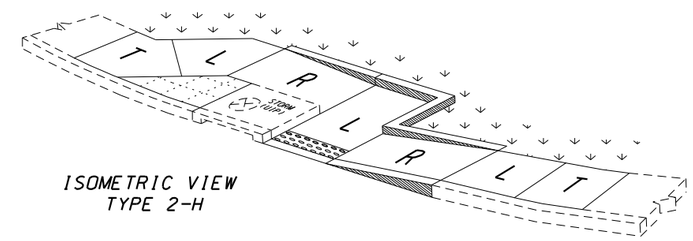
- CURB RAMP PAY LIMITS

- INCLUDED IN 4" CONC. SIDEWALK PAY LIMIT

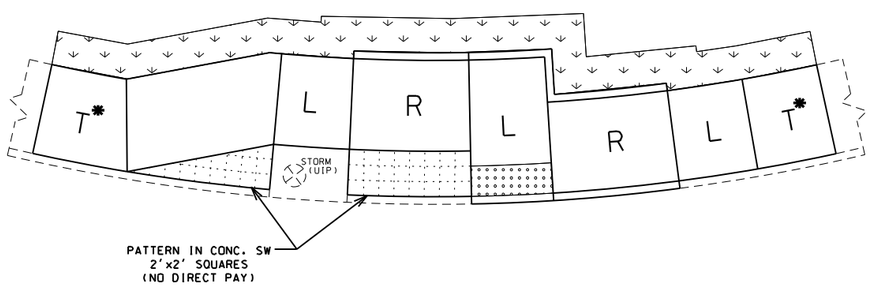
NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.



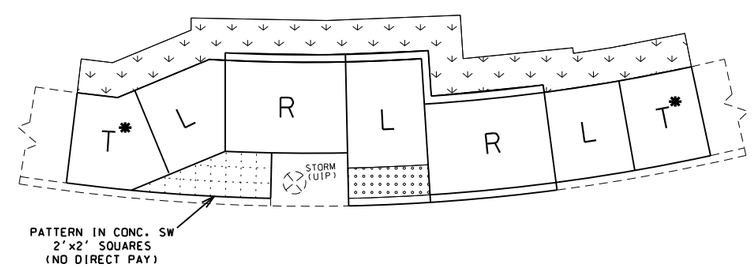
ISOMETRIC VIEW
TYPE 2-G



ISOMETRIC VIEW
TYPE 2-H



TYPE 2-G



TYPE 2-H

ADA LIBRARY TYPICAL

TYPE 2

PARALLEL
CURB RAMPS

SPECIAL SHEET
SHEET 7 OF 11

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/24/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	56

COUNTY
COLE/OSAGE

JOB NO.
JCD0126

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)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com

Engineering beyond.

REVISED: 2022-05-18

DIAGONAL - TYPE 3

TYPE 3-A

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	24.0	28.0	-	20.6	25.0	-	20.6	25.0	
CURB RAMP	SY	-	24.4	27.0	-	26.9	31.2	-	32.2	37.4	
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	35.6	39.8	-	36.7	42.6	-	42.0	48.8	
ADA LINEAR GRADING	LF	-	51.0	51.0	-	59.0	59.0	-	67.0	67.0	
SODDING	SY	-	11.6	11.4	-	12.9	12.9	-	14.9	14.9	
8"SW OR MED STRIP	SY	-	3.0	2.2	-	3.0	2.2	-	3.0	2.2	

TYPE 3-B

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	24.0	28.0	-	20.6	25.0	-	20.6	25.0	
CURB RAMP	SY	-	22.0	26.3	-	25.9	31.2	-	31.2	37.4	
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	33.2	39.1	-	35.7	42.6	-	41.0	48.8	
ADA LINEAR GRADING	LF	-	51.0	51.0	-	59.0	59.0	-	67.0	67.0	
SODDING	SY	-	15.2	15.3	-	17.1	17.5	-	20.1	20.5	
8"SW OR MED STRIP	SY	-	1.5	1.5	-	1.5	1.5	-	1.5	1.5	

TYPE 3-C

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	20.0	24.0	-	20.0	24.0	-	20.0	24.0	
CURB RAMP	SY	-	20.7	26.8	-	25.1	31.5	-	30.4	37.7	
CONC. SIDEWALK	SY	-	11.2	12.8	-	9.8	11.4	-	9.8	11.4	
TYPE 1 AGGREGATE	SY	-	31.9	39.6	-	34.9	42.9	-	40.2	49.1	
ADA LINEAR GRADING	LF	-	51.0	51.0	-	58.0	58.0	-	67.0	67.0	
SODDING	SY	-	18.8	19.3	-	21.3	22.1	-	25.3	26.1	
8"SW OR MED STRIP	SY	-	1.0	1.6	-	1.0	1.6	-	1.0	1.6	

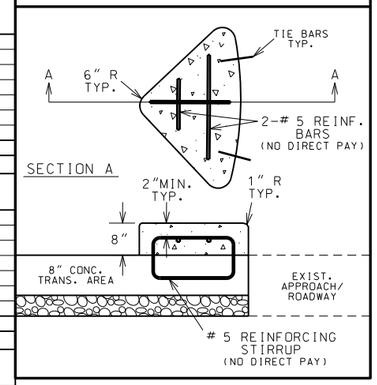
TYPE 3-D

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	24.0	28.0	-	22.4	26.5	-	22.4	26.5	
CURB RAMP	SY	-	15.9	19.1	-	17.7	21.4	-	20.4	24.5	
CONC. SIDEWALK	SY	-	5.6	6.4	-	4.9	5.7	-	4.9	5.7	
TYPE 1 AGGREGATE	SY	-	21.5	25.5	-	22.6	27.1	-	25.3	30.2	
ADA LINEAR GRADING	LF	-	31.0	31.0	-	34.0	34.0	-	38.0	38.0	
SODDING	SY	-	12.6	12.9	-	13.5	14.0	-	15.5	16.0	
8"SW OR MED STRIP	SY	-	1.0	0.8	-	1.0	0.8	-	1.0	0.8	

TYPE 3-E

LENGTH (LF)		8			12			16			REMARKS
WIDTH (LF)		4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES	SF	-	20.0	24.0	-	20.0	24.0	-	20.0	24.0	
CURB RAMP	SY	-	17.2	19.8	-	17.7	21.4	-	20.4	24.5	
CONC. SIDEWALK	SY	-	8.4	10.7	-	7.3	9.4	-	7.3	9.4	
TYPE 1 AGGREGATE	SY	-	25.6	30.5	-	25.0	30.8	-	27.7	33.9	
ADA LINEAR GRADING	LF	-	30.0	30.0	-	35.5	35.5	-	39.5	39.5	
SODDING	SY	-	12.4	12.4	-	12.9	13.3	-	14.9	15.3	
8"SW OR MED STRIP	SY	-	1.6	1.6	-	1.6	1.6	-	1.6	1.6	

- DETAIL -
8" SIDEWALK OR 8" MEDIAN STRIP



T'- IS TO BE 8" THICK AT ALL PAVED APPROACHES AND STREETS IF WITHIN THE RADIUS. PAID FOR AS CONCRETE CURB RAMP

NOTE:
QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.

T - TRANSITION TO EXISTING SW OR PAVED APPROACH (LANDING PREFERED IF CONDITIONS ALLOW)

T* - IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE WITH THE NEW LANDING XSLOPE)

L - LANDING

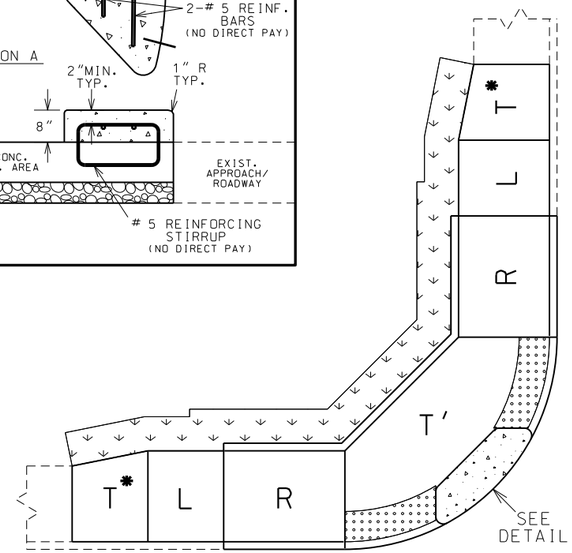
R - RAMP

- CURB RAMP PAY LIMITS

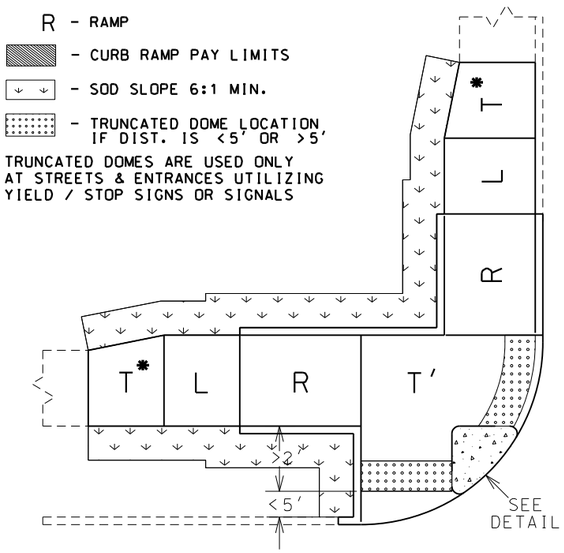
- SOD SLOPE 6:1 MIN.

- TRUNCATED DOME LOCATION IF DIST. IS <5' OR >5'

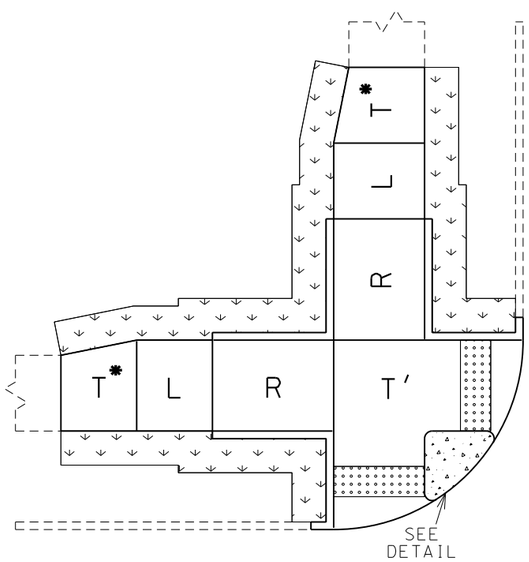
TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS



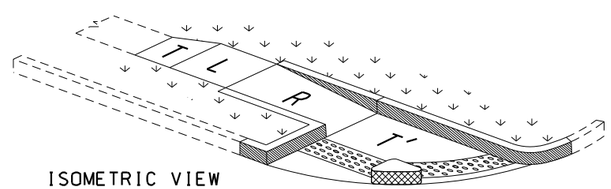
TYPE 3-A



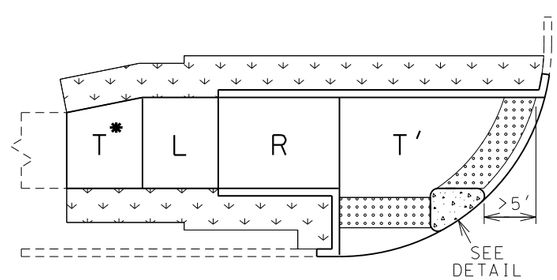
TYPE 3-B



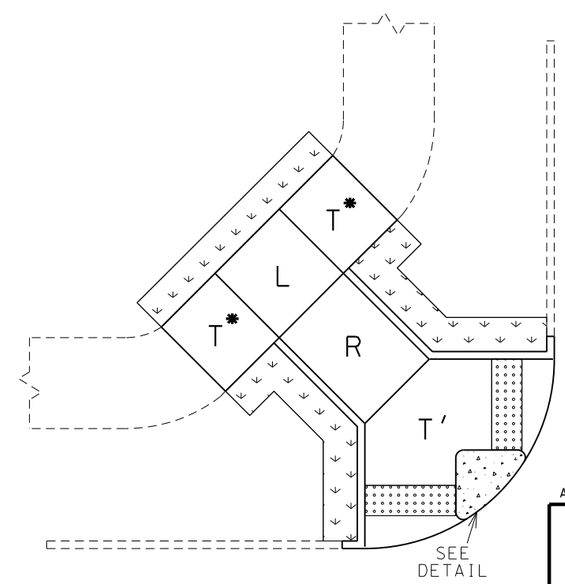
TYPE 3-C



ISOMETRIC VIEW
TYPE 3-D



TYPE 3-D



TYPE 3-E

ADA LIBRARY TYPICAL

TYPE 3
DIAGONAL CURB RAMPS

SPECIAL SHEET
SHEET 8 OF 11

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE VAR.	STATE MO
DISTRICT CD	SHEET NO. 57
COUNTY COLE/OSAGE	
JOB NO. JCD0126	
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)

OWN
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

REVISED: 2022-05-16

NOTES FOR MODIFIED SIDEWALK:

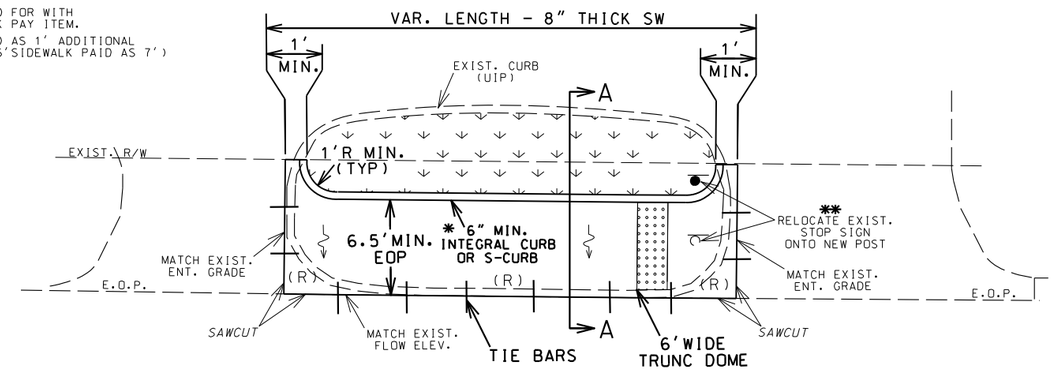
1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 8" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ADJACENT TO MODIFIED SIDEWALK.
5. MODIFIED SIDEWALK PAID FOR AS 8" SIDEWALK.
6. 6' MINIMUM WIDTH.
7. NO DIRECT PAY FOR SAW CUTS AND TIE BARS (ON 12" CENTERS MAX.)
8. TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP SIGNS OR SIGNALS.
9. X-SLOPE 1% PREFERRED (2% MAX.)
10. USE S-CURB IF CONSTRUCTING CURB ON R/W LINE.

✱ INTEGRAL CURB IS PAID FOR WITH THE 8" CONC. SIDEWALK PAY ITEM.
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6'SIDEWALK PAID AS 7')
(0.11 SY/LF OF CURB)

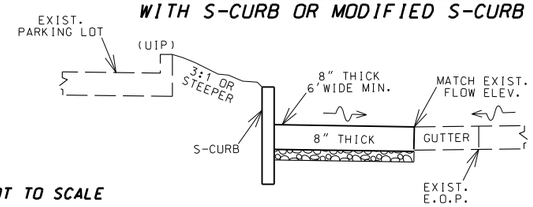
TYPICAL MODIFIED SIDEWALK

8" THICK

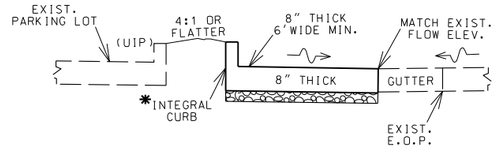
✱✱ TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP/YIELD SIGNS OR SIGNALS.



SECTION A-A
WITH S-CURB OR MODIFIED S-CURB



SECTION A-A
WITH INTEGRAL CURB



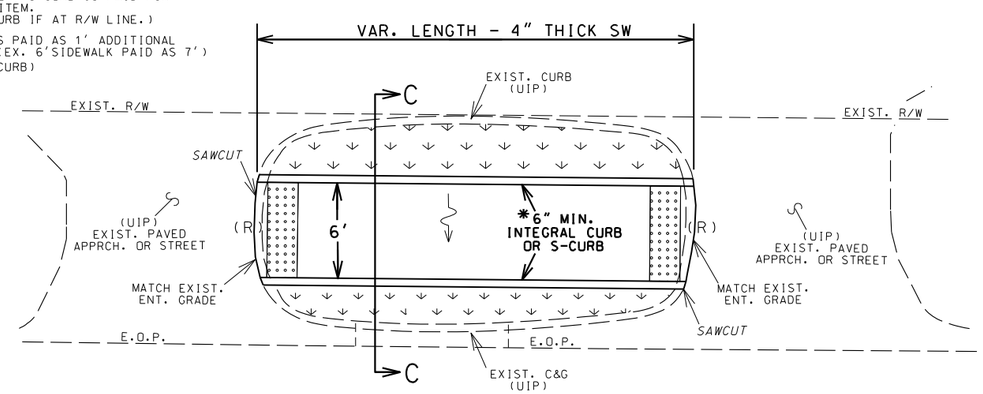
NOT TO SCALE

NOTES FOR CUT-THRU SIDEWALK:

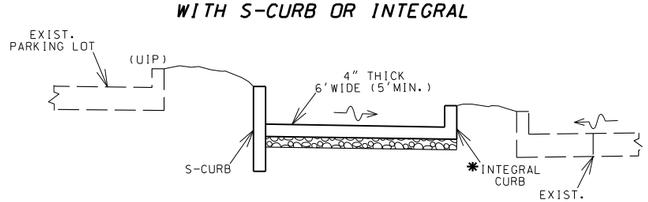
1. REMOVE EXIST. CURB & RAISED ISLAND WITHIN LIMITS SHOWN.
2. AREA INSIDE FINAL CURB TO BE REPAIRED OR REPLACED WITH EXISTING SURFACE MATERIAL. GRADE TO DRAIN.
3. CONSTRUCT 4" THICK CONC. SIDEWALK FLUSH WITH EXIST. CONC. PAVED APPROACH.
4. CONSTRUCT CURB ON BOTH SIDES ADJACENT TO SIDEWALK.
5. CUT-THRU SIDEWALK PAID FOR AS 4" SIDEWALK.
6. 6' PREFERRED WIDTH (5' MIN.)
7. SAW CUTS (NO DIRECT PAY).
8. TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING STOP SIGNS OR SIGNALS.
9. X-SLOPE 1% PREFERRED (2% MAX.)
10. USE S-CURB IF CONSTRUCTING CURB ON R/W LINE.

✱ INTEGRAL CURB IS PAID FOR AS 4" CONC. SIDEWALK PAY ITEM. S-CURB IS PAID FOR AS ITS OWN PAY ITEM.
(ALWAYS USE S-CURB IF AT R/W LINE.)
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6'SIDEWALK PAID AS 7')
(0.11 SY/LF OF CURB)

TYPICAL CUT-THRU SIDEWALK



SECTION C-C
WITH S-CURB OR INTEGRAL

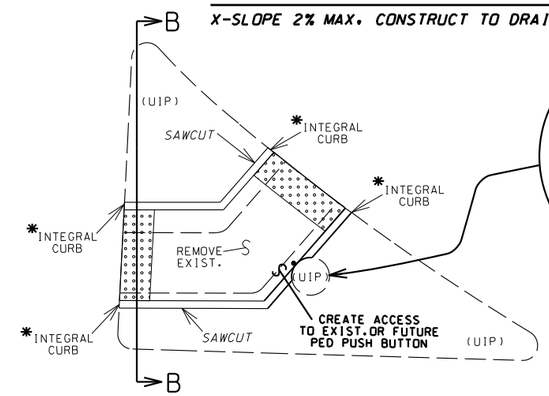


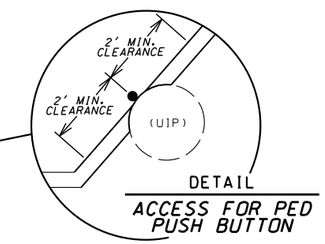
NOT TO SCALE

NOT TO SCALE

TYPICAL ISLAND CUT-THRU SIDEWALK

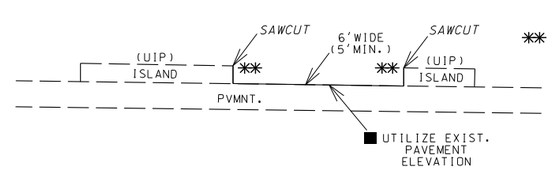
X-SLOPE 2% MAX. CONSTRUCT TO DRAIN





DETAIL
ACCESS FOR PED PUSH BUTTON

SECTION B-B
ISLAND CUT-THRU SIDEWALK FOR EXISTING 'PINNED-ON' ISLAND

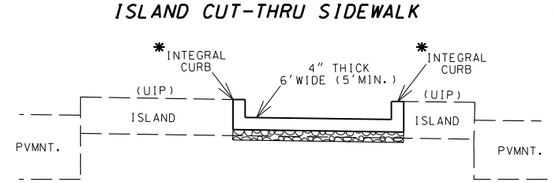


■ SMALL QTY. HAS BEEN INCLUDED FOR 8" THICK SIDEWALK TO ADDRESS ANY UNFORSEEN PVMNT. REPAIRS OR DIFFERENCES IN ELEVATION. (UNDERRUN IF FIELD CONDITIONS DO NOT WARRANT)

✱✱ NO INTEGRAL CURB. AGGR. OR LIN. GRADING REQUIRED IF THE ISLAND IS 'PINNED-ON'

✱ INTEGRAL CURB IS PAID FOR WITH THE 4" CONC. SIDEWALK PAY ITEM.
INTEGRAL CURB IS PAID AS 1' ADDITIONAL SIDEWALK WIDTH (EX. 6'SIDEWALK PAID AS 7')
(0.11 SY/LF OF CURB)

SECTION B-B
ISLAND CUT-THRU SIDEWALK



ADA LIBRARY TYPICAL

MODIFIED SIDEWALK AND SIDEWALK CUT-THRUs

SPECIAL SHEET
SHEET 9 OF 11

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
2/24/2025	
ROUTE: VAR.	STATE: MO
DISTRICT: CD	SHEET NO.: 58
COUNTY: COLE/OSAGE	
JOB NO.: JCD0126	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

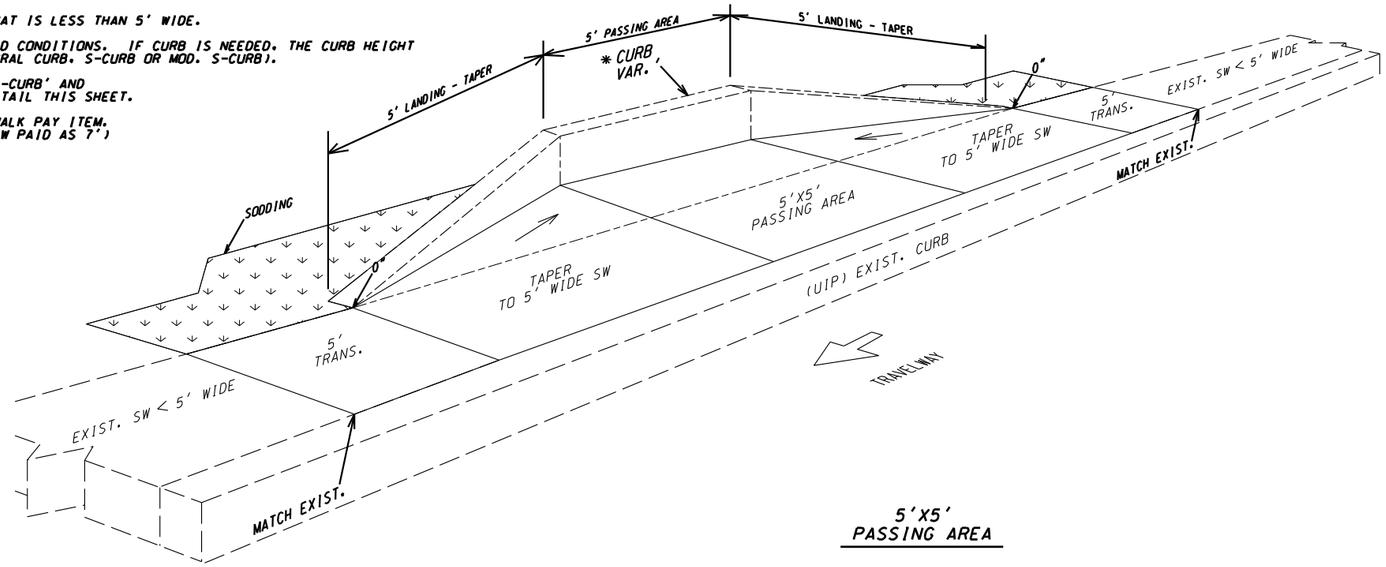
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN Engineering beyond.

REVISED: 2023-11-15

NOTES:

1. PASSING AREA REQUIRED EVERY 200' ON SIDEWALK THAT IS LESS THAN 5' WIDE.
2. * CURB MAY OR MAY NOT BE NEEDED DEPENDING ON FIELD CONDITIONS. IF CURB IS NEEDED. THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB. S-CURB OR MOD. S-CURB).
3. S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.
4. ** INTEGRAL CURB IS PAID FOR IN THE 4" CONC. SIDEWALK PAY ITEM. PAID AS 1' ADDITIONAL SIDEWALK WIDTH. (EX. 6' SW PAID AS 7') (0.11 SY/LF OF CURB)

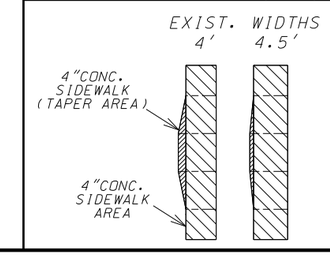


5'X5' PASSING AREA

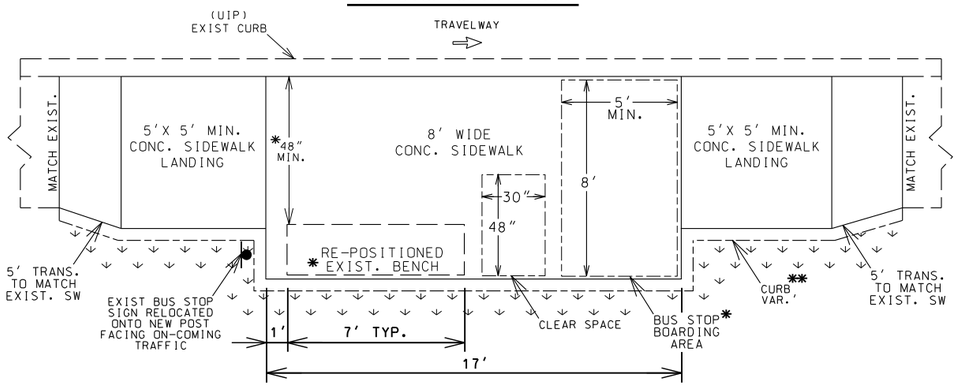
NOT TO SCALE

QUANTITIES FOR PASSING AREAS

EXISTING SW WIDTH		4'	4.5'
4" CONC. SIDEWALK (TAPER)	SY	1.3	0.7
TYPE 1 AGGREGATE	SY	1.3	0.7
4" CONC. SIDEWALK	SY	10.4	11.7
TYPE 1 AGGREGATE	SY	10.4	11.7
INTEGRAL CURB **	SY	2.0	2.0
TYPE 1 AGGREGATE	SY	1.0	1.0
S-CURB	LF	17.2	16.0
MODIFIFED S-CURB	LF	17.2	16.0
SODDING	SY	53.0	53.0
LINEAR GRADING	LF	25.0	25.0



BUS STOP WITH BENCH



NOTES:

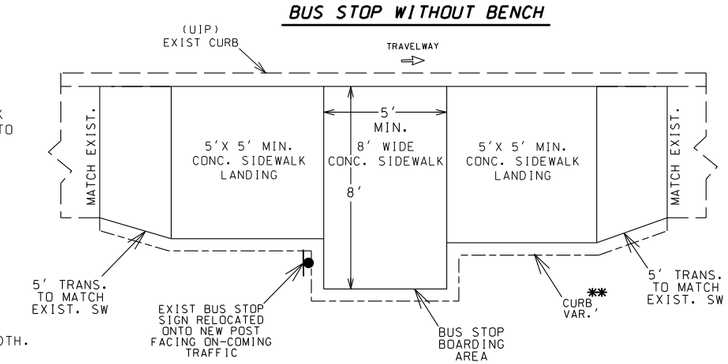
* 1. THE RE-POSITIONED BENCH SHALL NOT BE PLACED ON THE 5'X8' BUS STOP BOARDING AREA. PLACE THE BACK OF THE BENCH AT THE BACK EDGE OF THE CONC. PAD TO PROVIDE MAX.CLEARANCE.

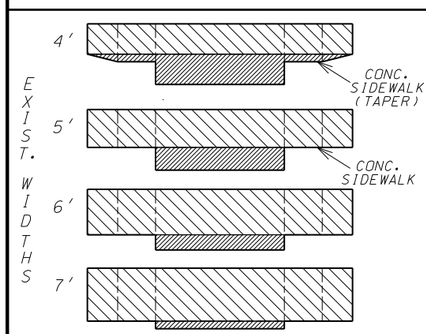
** 2. CURB USAGE DEPENDS ON FIELD CONDITIONS. IF CURB IS NEEDED DUE TO CUT. THE CURB HEIGHT WILL VARY DEPENDING ON FIELD CONDITIONS. (INTEGRAL CURB. S-CURB OR MOD. S-CURB).

3. S-CURB OVER 12" TALL IS PAID FOR AS 'MODIFIED S-CURB' AND REQUIRES REINFORCEMENT (NO DIRECT PAY). SEE DETAIL THIS SHEET.

*** 4. INTEGRAL CURB IS PAID FOR IN THE 4" CONC. SIDEWALK PAY ITEM. INTEGRAL CURB PAID AS 1' ADDITIONAL SIDEWALK WIDTH. (EX. 6'SW PAID AS 7') (0.11 SY/LF OF CURB)

BUS STOP WITHOUT BENCH

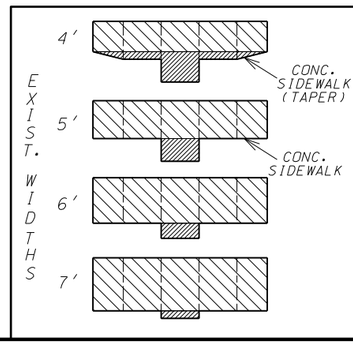




QUANTITIES FOR BUS STOPS WITH BENCH

EXISTING SW WIDTH		4'	5'	6'	7'
4" CONC. SIDEWALK (TAPER)	SY	9.3	5.8	3.9	1.9
TYPE 1 AGGREGATE	SY	9.3	5.8	3.9	1.9
4" CONC. SIDEWALK	SY	16.5	20.4	24.3	28.2
TYPE 1 AGGREGATE	SY	16.5	20.4	24.3	28.2
INTEGRAL CURB ***	SY	5.4	3.4	3.2	2.9
TYPE 1 AGGREGATE	SY	2.7	1.7	1.6	1.5
S-CURB	LF	43.5	27.0	25.0	23.0
MODIFIFED S-CURB	LF	43.5	27.0	25.0	23.0
SODDING	SY	10.6	10.4	9.8	9.4
LINEAR GRADING	LF	37.0	37.0	37.0	37.0

NOT TO SCALE



QUANTITIES FOR BUS STOPS - NO BENCH

EXISTING SW WIDTH		4'	5'	6'	7'
4" CONC. SIDEWALK (TAPER)	SY	3.9	1.8	1.3	0.7
TYPE 1 AGGREGATE	SY	3.9	1.8	1.3	0.7
4" CONC. SIDEWALK	SY	10.4	12.9	15.5	18.0
TYPE 1 AGGREGATE	SY	10.4	12.9	15.5	18.0
INTEGRAL CURB ***	SY	3.8	2.0	1.8	1.6
TYPE 1 AGGREGATE	SY	1.9	1.0	0.9	0.8
S-CURB	LF	31.0	15.0	13.0	11.0
MODIFIFED S-CURB	LF	31.0	15.0	13.0	11.0
SODDING	SY	7.6	7.4	6.8	6.4
LINEAR GRADING	LF	25.0	25.0	25.0	25.0

ADA LIBRARY TYPICAL

PASSING AREAS AND BUS STOPS

SPECIAL SHEET
SHEET 10 OF 11

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 2/24/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	59

COUNTY: COLE/OSAGE
JOB NO.: JCD0126
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

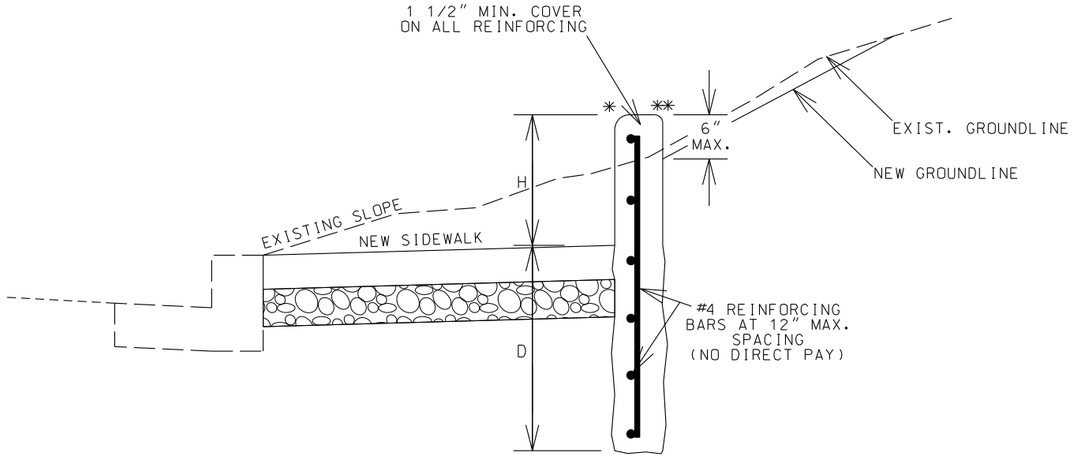
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

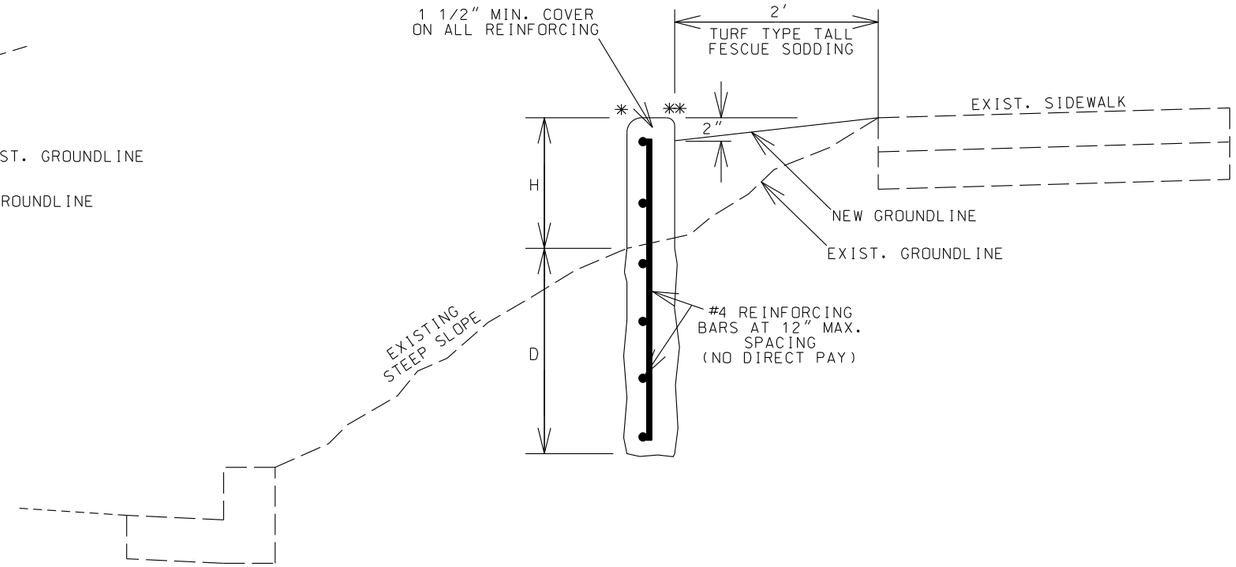
2215 Fairlawn Dr.
Carthage, MO 64836
417.358.9951
COA# 00062
weareown.com
OWN Engineering beyond.

CREATED: 2023-11-16
REVISED:

✳ ROUND TO 3/4" RADIUS
✳✳ ROUND TO 1/4" RADIUS
H = 2'-6" MAX. (30")
D = BURY DEPTH (FORMING NOT REQUIRED)
THIS SHALL BE 18 INCHES OR "H" WHICHEVER IS GREATER.
VERTICAL REINFORCING LENGTHS VARY AS NEEDED.
DEPTH MAY BE REDUCED IF KEYED 6" IN ROCK

MODIFIED S-CURB
> 12" TALL (2'-6" MAX.)





NOT TO SCALE

ADA LIBRARY TYPICAL

MODIFIED S-CURB

SPECIAL SHEET
SHEET 11 OF 11

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	60
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

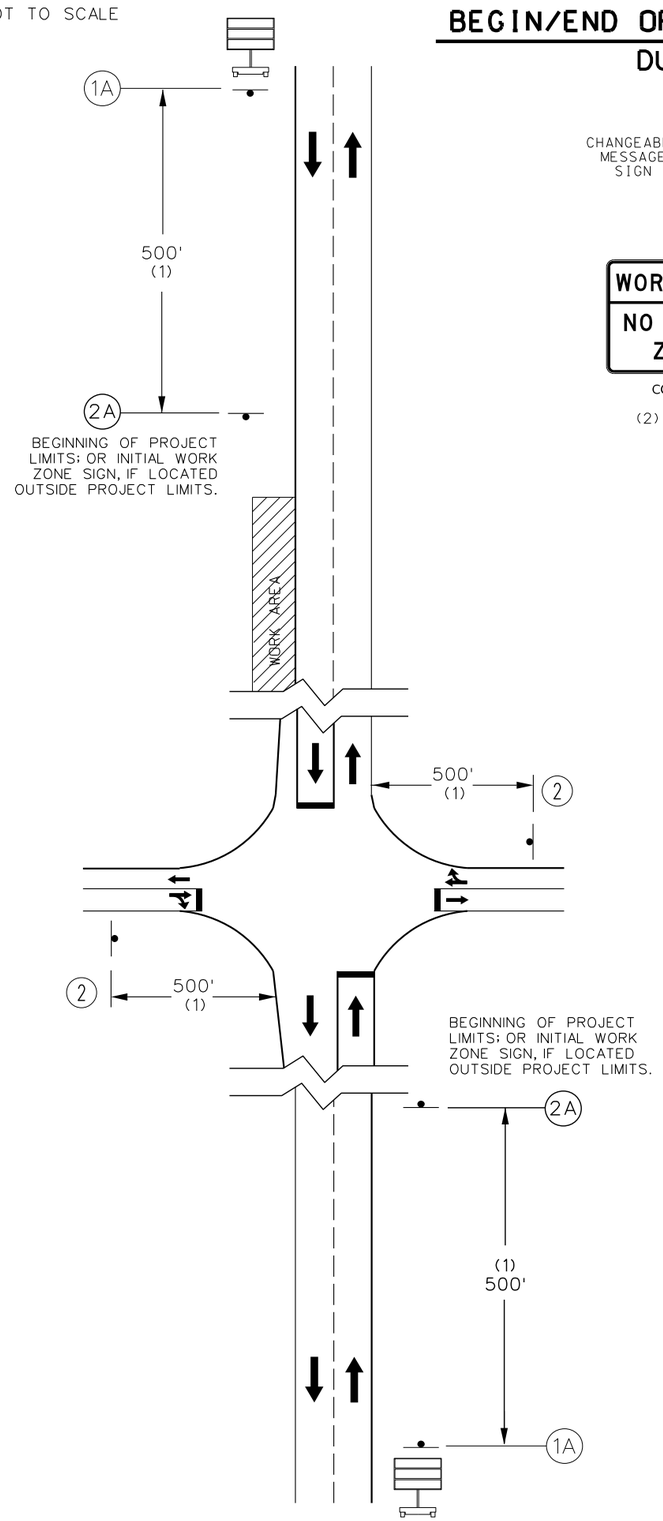
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.

NOT TO SCALE

BEGIN/END OF PROJECT SIGNING

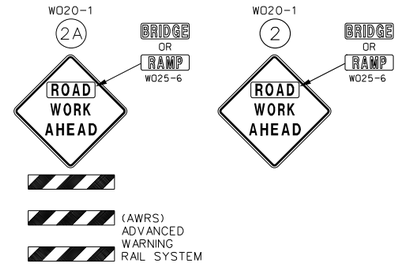
DUAL-LANE

EFFECTIVE: 06-08-2016
REVISED (ADA): 01-04-2017



CONST-8

(2) (1A)



SIGN (2A) WITH AWRS MUST BE GROUND OR SKID MOUNTED.

SIGN SPACING FOR ADVANCE SIGN SERIES

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

SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

SPEED MPH (S)	NON-DIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200 FT	200 FT
40-45	350 FT	500 FT
50-55	500 FT	1000 FT
60-70	1000 FT	1000 FT

GENERAL NOTES:

1. ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.
2. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER.
3. SEE STANDARD DRAWING 616.10 AND 620.10 FOR ADDITIONAL DETAILS, AND 903.03 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.
4. SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.
5. TEMPORARY SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.
6. NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONST. SIGNS OR FLASHING ARROW PANEL.
7. NO DIRECT PAYMENT WILL BE MADE FOR TEMPORARY STOP OR YIELD SIGNS AS NEEDED TO MAINTAIN EXISTING STOP/YIELD CONDITIONS AS APPROVED BY THE ENGINEER.
8. ALL SIGNS SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PROPER TRAFFIC CONTROL SETUPS THROUGHOUT CONSTRUCTION AS DESCRIBED IN THESE PLANS OR AS APPROVED BY THE ENGINEER. ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
10. WHERE MINIMUM LANE WIDTHS CANNOT BE ACHIEVED ON THE SIDE STREETS, THE CONTRACTOR SHALL CLOSE HALF OF THE APPROACH AND POSITION A FLAGGER AT EACH END OF THE WORK AREA. LOCATION TO BE DETERMINED BY THE ENGINEER. ADVANCE FLAGGER SIGNING SHALL BE INSTALLED AS OUTLINED IN THE MUTCD.
11. THE CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS TO ALL BUSINESSES AND STREETS. NO STREET OR ENTRANCE SHALL BE COMPLETELY BLOCKED.
12. ALL PEDESTRIAN TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE CURB RAMP & SIDEWALK IS OPENED FOR PEDESTRIAN TRAVEL.
13. PEDESTRIAN TRAFFIC CONTROL SIGNS MAY BE MOUNTED ON PORTABLE MOUNTS AT 1 FT. PROVIDED THEY DO NOT INTERFERE WITH PEDESTRIAN MOVEMENT OR BE OBSTRUCTED BY PARKING. OTHERWISE, SIGNS SHALL BE MOUNTED AT 7 FT.
14. SPACING & DISTANCES OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD & APPROVED BY THE ENGINEER.

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

TRAFFIC CONTROL
SHEET 1 OF 3

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 4/7/2025
ROUTE: VAR. | STATE: MO
DISTRICT: CD | SHEET NO.: 61
COUNTY: COLE/OSAGE
JOB NO.: JCD0126
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

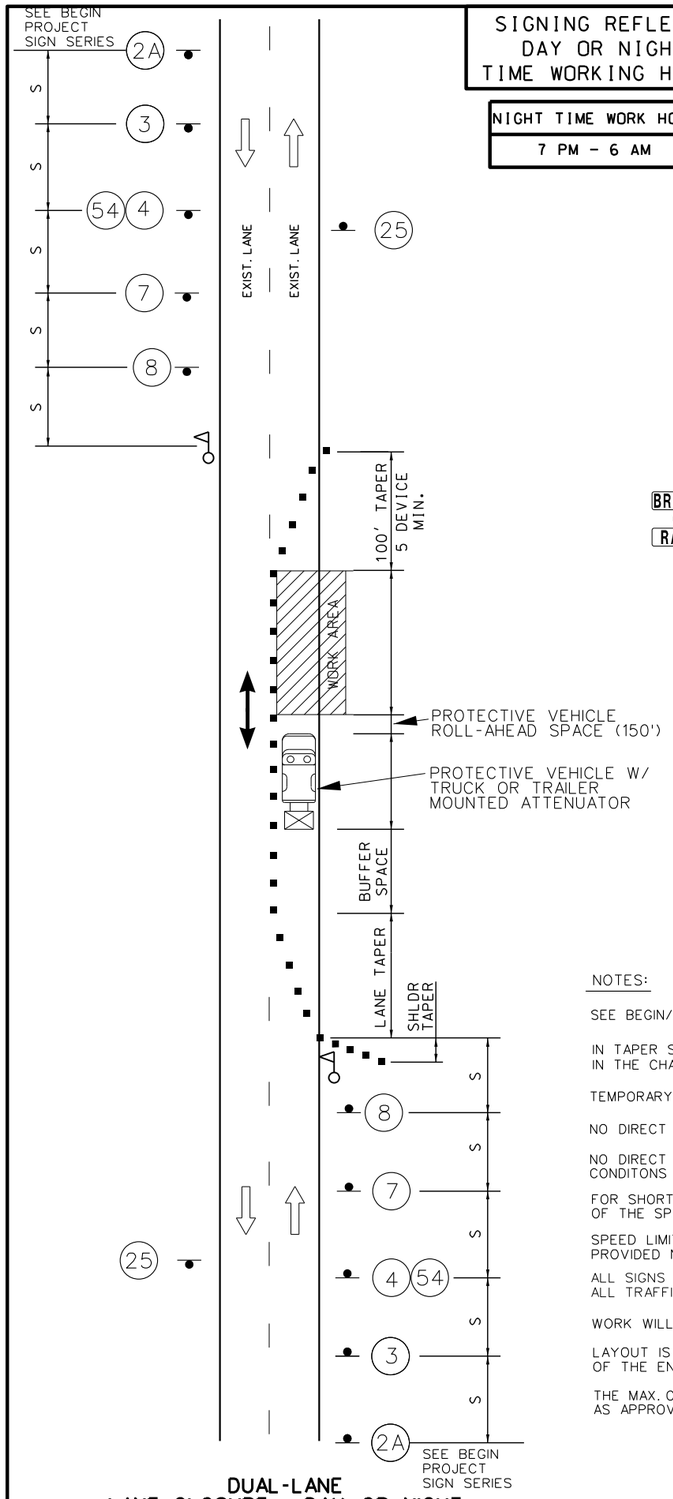
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.™

EFFECTIVE: 06-08-2016
REVISED (ADA): 01-23-2023

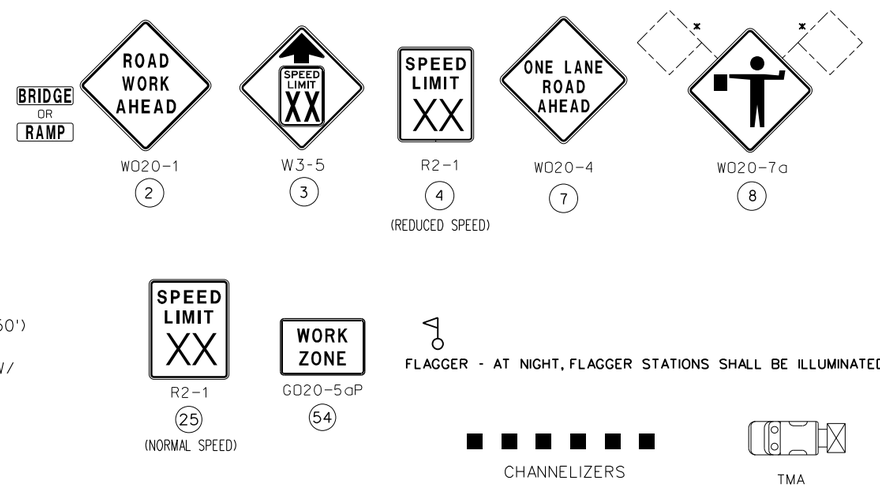
SIGNING REFLECTS DAY OR NIGHT TIME WORKING HOURS

NIGHT TIME WORK HOURS
7 PM - 6 AM



DUAL-LANE
LANE CLOSURE - DAY OR NIGHT

NOT TO SCALE



* SIGN W020-7A (FLAGGER SYMBOL) FLAGS ARE INCIDENTAL TO THE SIGN. NO DIRECT PAY.

NOTES:

SEE BEGIN/END OF PROJECT SIGNING SHEET FOR ADDITIONAL SIGNS.

IN TAPER SECTIONS: QUANTITY OF TRIMLINE CHANNELIZERS IS DOUBLED WHEN COMPARED TO MAX. CHANNELIZER SPACING IN THE CHART.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES (NO DIRECT PAY)

NO DIRECT PAYMENT WILL BE MADE FOR THE RELOCATION OF CHANNELIZERS, CONST. SIGNS, OR FLASHING ARROW PANEL.

NO DIRECT PAYMENT WILL BE MADE FOR TEMPORARY STOP OR YIELD SIGNS AS NEEDED TO MAINTAIN EXISTING STOP/YIELD CONDITONS AS APPROVED BY THE ENGINEER.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, DEVICE SPACING ARE ONE-HALF OF THE SPACING SHOWN IN TABLE.

SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT 1/2 MILE.

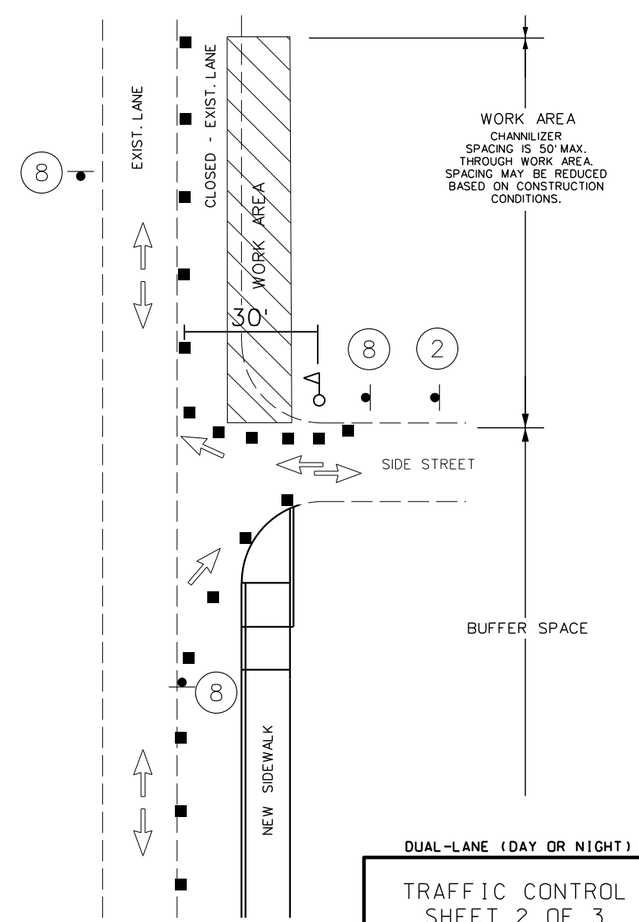
ALL SIGNS SHALL BE PORTABLE MOUNT AND ARE TO BE MOVED AS WORK PROGRESSES, UNLESS OTHERWISE NOTED. ALL TRAFFIC CONTROL ITEMS SHALL BE REMOVED FROM THE ROADWAY DURING NON-WORKING HOURS.

WORK WILL REQUIRE LANE CLOSURES UNLESS OTHERWISE APPROVED BY ENGINEER.

LAYOUT IS TYPICAL FOR EITHER DIRECTION. ALTERNATE TRAFFIC CONTROL MAY BE USED AS NEEDED AT THE APPROVAL OF THE ENGINEER. SEE STANDARD DRAWING 616.10 FOR ADDITIONAL DETAILS.

THE MAX. CHANNELIZER SPACING WITHIN THE WORK ZONE AREA MAY BE REDUCED BASED ON CONSTRUCTION CONDITIONS, AS APPROVED BY ENGINEER.

SIDE STREET FLAGGING DETAIL



DUAL-LANE (DAY OR NIGHT)

NOT TO SCALE

TRAFFIC CONTROL
SHEET 2 OF 3

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	4/7/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	62
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

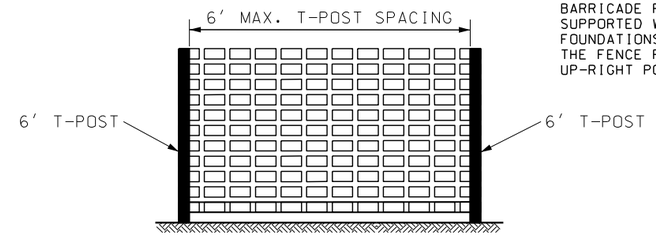
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
OWN
Engineering beyond.™

REVISED: 11-19-2018

NOTES:

1. NO DIRECT PAYMENT WILL BE MADE FOR ORANGE SAFETY FENCE AS REQUIRED AROUND EXCAVATION OF SIDEWALK & CURB RAMP AREAS.
2. SEE JSP's FOR PEDESTRIAN TRAFFIC DEVICES.
3. WORKING AREAS SHALL BE GUARDED FROM PEDESTRIAN ACCESS BY BARRICADE FENCING 36" TO 48" IN HEIGHT WITH A GAP NO GREATER THAN 6" FROM THE GROUND AND HOLES NO GREATER THAN 4" IN ANY DIRECTION.
4. PEDESTRIAN ACCESS ON SIDEWALK SHALL BE PROVIDED WITH A WIDTH NOT LESS THAN 4' OF SMOOTH STABLE SURFACING ADJACENT TO BARRICADE FENCING FOR ACCESS TO THE MAIN BUILDING.
5. SIDEWALK RAMP CLOSURES FOR RECONSTRUCTION SHALL BE PERFORMED WITH ADA COMPLIANT MOVEABLE BARRICADES. TWO BARRICADES PER PEDESTRIAN APPROACH. ONE SIDEWALK CLOSED SIGN WILL BE PLACED UPON ONE BARRICADE FOR EACH APPROACH, NO MORE THAN ONE 5' SECTION OF SIDEWALK RAMP SHALL BE CLOSED LEADING TO THE MAIN BUILDING AT ANY TIME ADJACENT TO THE WORK AREA.

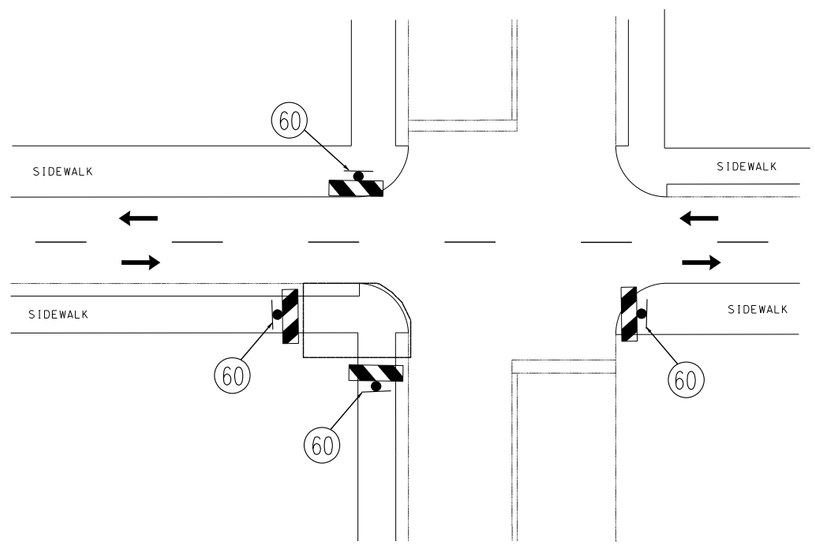
ORANGE PLASTIC SAFETY FENCE



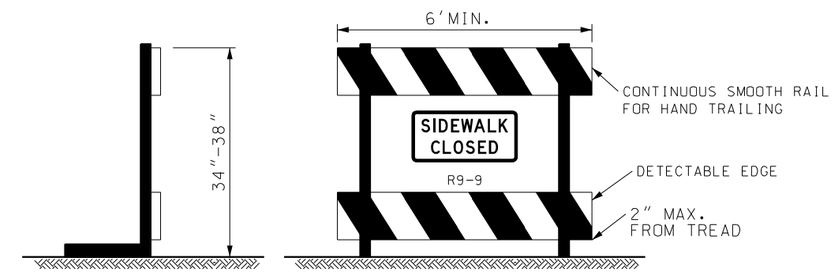
NO DIRECT PAY.
PLASTIC SAFETY NETTING USED FOR BARRICADE FENCING SHALL BE SUPPORTED WITH T-POST, ADEQUATE FOUNDATIONS, AND BALLAST SO THAT THE FENCE REMAINS TAUT AND IN AN UP-RIGHT POSITION.

DUAL-LANE TYPICAL SIDEWALK CLOSURE

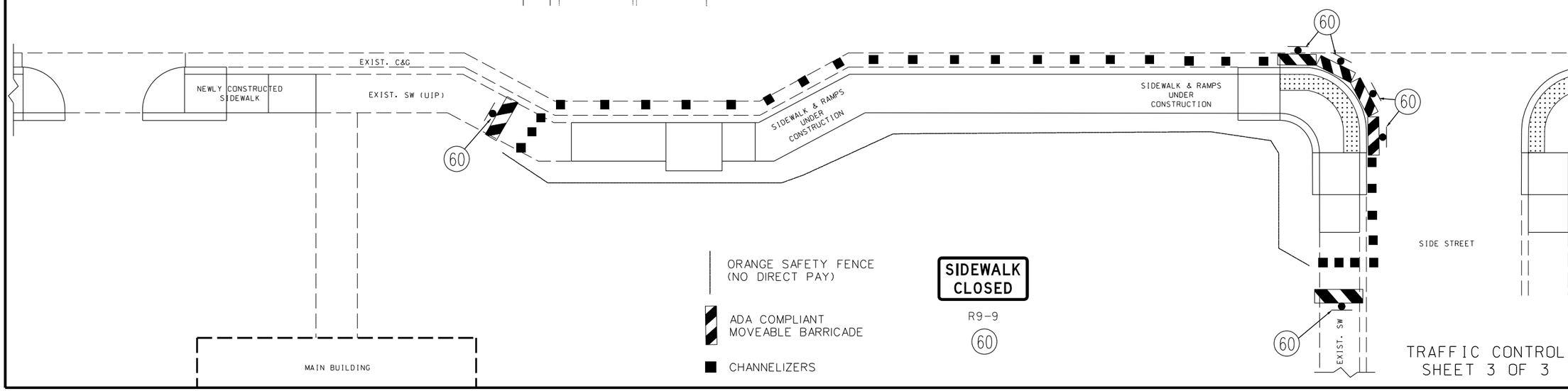
NOT TO SCALE



ADA COMPLIANT MOVEABLE BARRICADE



1. WARNING LIGHTS SHALL NOT BE ATTACHED TO ADA COMPLIANT BARRICADES.
2. CHEVRON RAILS ON THE ADA COMPLIANT BARRICADES MUST BE 8" WIDE MIN. AND MEET TYPE 3 RETRO-REFLECTIVE SHEETING AND COLOR CONTRAST BARRICADE RAILS AS SHOWN. THE TOP RAIL MUST PROVIDE A SMOOTH CONTINUOUS RAIL SURFACE SUITABLE FOR HAND TRAILING WITH NO SPLINTERS, BURRS, OR SHARP EDGES. A MINIMUM OF TWO 8" WIDE RAILS IS REQUIRED.
3. NO TRIPPING HAZARDS FROM THE BARRICADES ARE ALLOWED WITHIN THE PEDESTRIAN SPACE. THIS MEANS NO FEET OR BARS USED TO HOLD THE RAILS OR SUPPORT THE DEVICE ARE ALLOWED WITHIN THE WALKWAY. ALL FEET AND BALLASTS WILL NEED TO BE BEHIND THE DEVICE.
4. THE BARRICADE MUST BE THE FULL WIDTH OF THE CLOSED SIDEWALK.



TRAFFIC CONTROL
SHEET 3 OF 3

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	63
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

OWN
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

REVISED: 11-18-2021

NOTES:

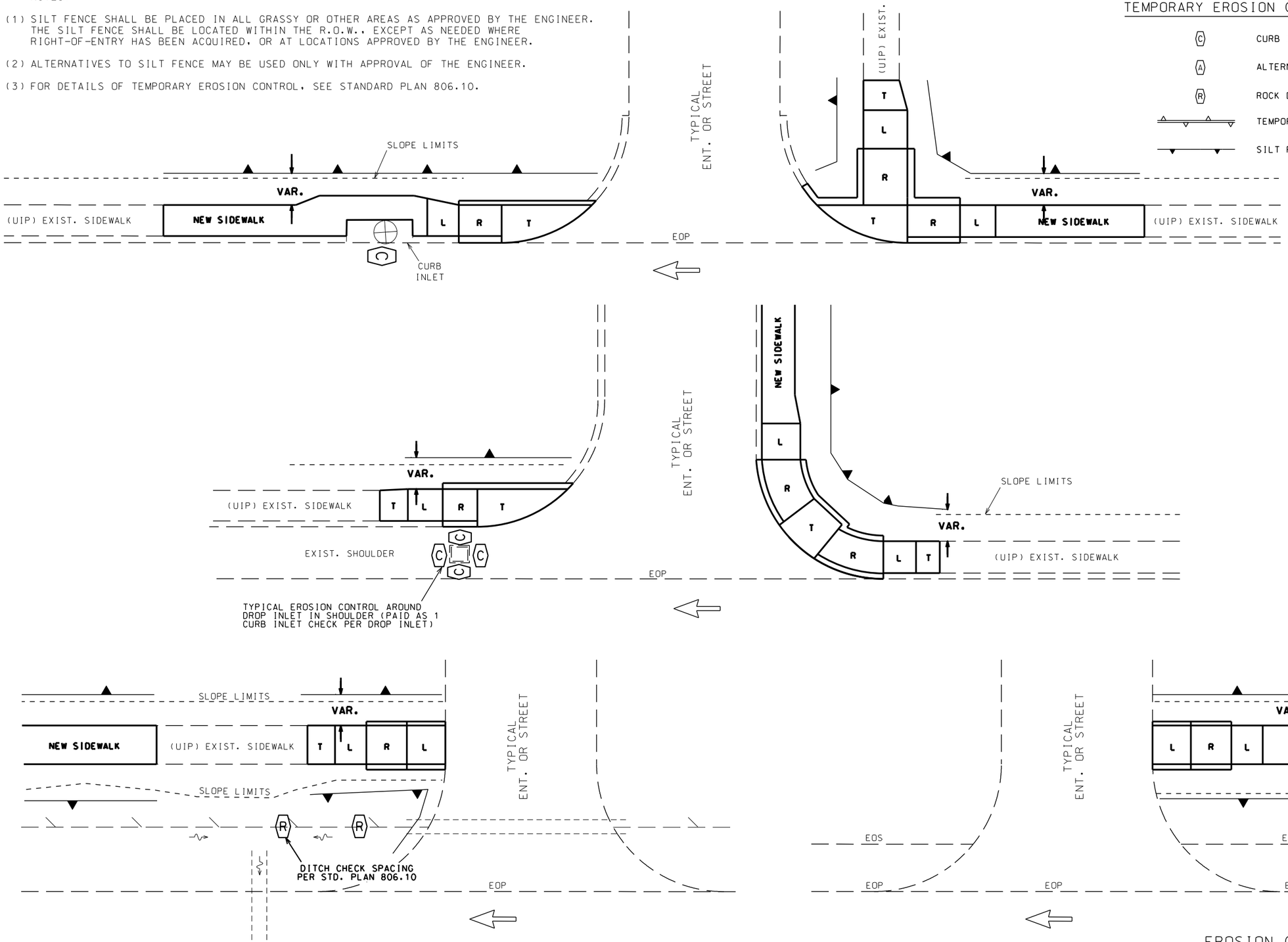
(1) SILT FENCE SHALL BE PLACED IN ALL GRASSY OR OTHER AREAS AS APPROVED BY THE ENGINEER. THE SILT FENCE SHALL BE LOCATED WITHIN THE R.O.W., EXCEPT AS NEEDED WHERE RIGHT-OF-ENTRY HAS BEEN ACQUIRED, OR AT LOCATIONS APPROVED BY THE ENGINEER.

(2) ALTERNATIVES TO SILT FENCE MAY BE USED ONLY WITH APPROVAL OF THE ENGINEER.

(3) FOR DETAILS OF TEMPORARY EROSION CONTROL, SEE STANDARD PLAN 806.10.

TEMPORARY EROSION CONTROL LEGEND

- (C) CURB INLET CHECK
- (A) ALTERNATE CHECK
- (R) ROCK DITCH CHECK
- TEMPORARY BERM
- SILT FENCE



NOT TO SCALE

TYPICAL EROSION CONTROL APPLICATIONS
FOR NEW CURB RAMP & SIDEWALK CONSTRUCTION

EROSION CONTROL SHEET
SHEET 1 OF 1

STATE OF MISSOURI
SEAN L. MATLOCK
NUMBER E-27133
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	2/24/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	64
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

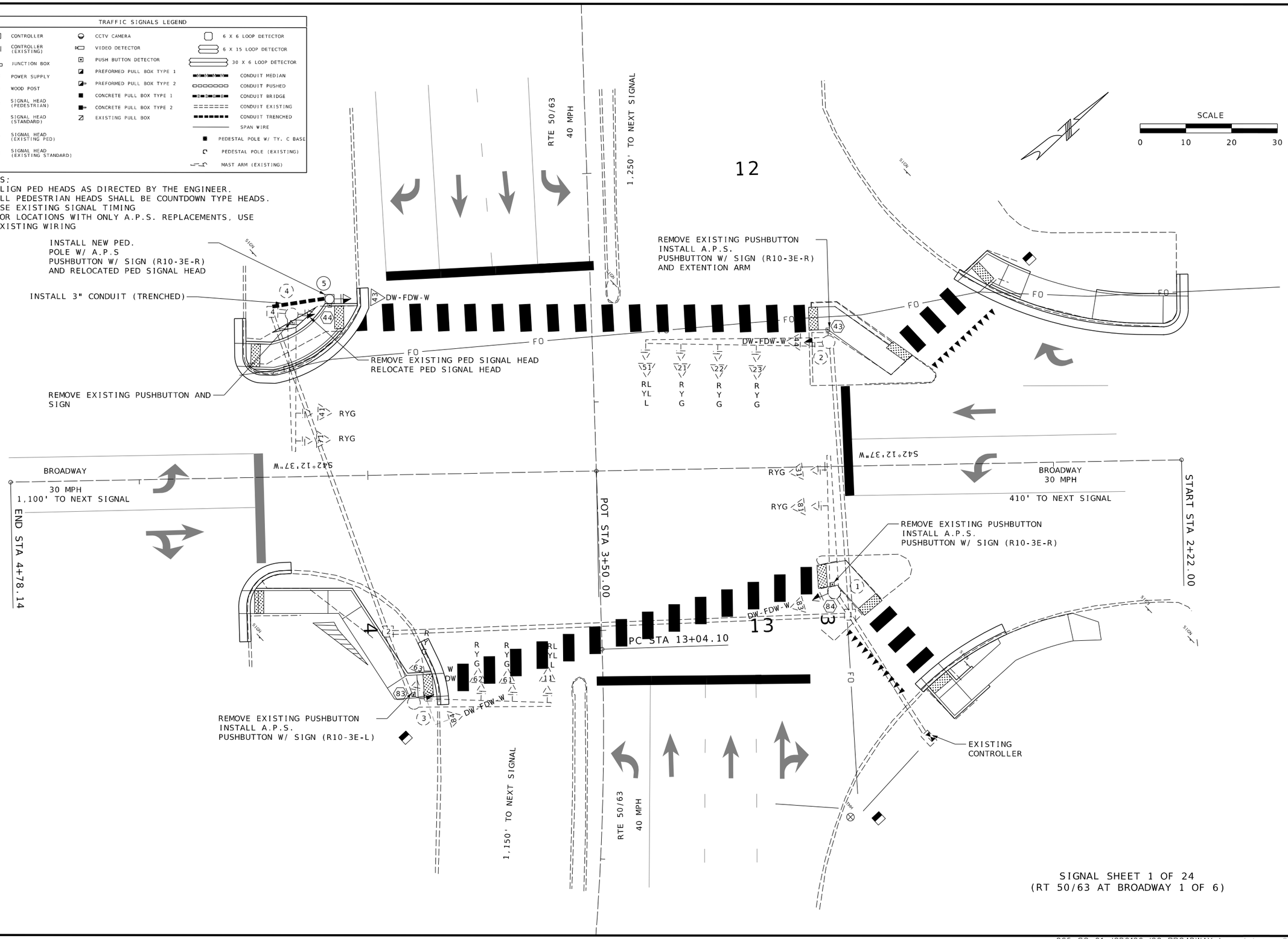
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

OWN
2215 Fairlawn Dr
Carthage, MO 64836
417.358.9551
COA# 00062
weareown.com
Engineering beyond.

TRAFFIC SIGNALS LEGEND

CONTROLLER	CCTV CAMERA	6 X 6 LOOP DETECTOR
CONTROLLER (EXISTING)	VIDEO DETECTOR	6 X 15 LOOP DETECTOR
JUNCTION BOX	PUSH BUTTON DETECTOR	30 X 6 LOOP DETECTOR
POWER SUPPLY	PREFORMED PULL BOX TYPE 1	CONDUIT MEDIAN
WOOD POST	PREFORMED PULL BOX TYPE 2	CONDUIT PUSHED
SIGNAL HEAD (PEDESTRIAN)	CONCRETE PULL BOX TYPE 1	CONDUIT BRIDGE
SIGNAL HEAD (STANDARD)	CONCRETE PULL BOX TYPE 2	CONDUIT EXISTING
SIGNAL HEAD (EXISTING PED)	EXISTING PULL BOX	CONDUIT TRENCHED
SIGNAL HEAD (EXISTING STANDARD)		SPAN WIRE
		PEDESTAL POLE W/ TY. C BASE
		PEDESTAL POLE (EXISTING)
		MAST ARM (EXISTING)

NOTES:
1. ALIGN PED HEADS AS DIRECTED BY THE ENGINEER.
2. ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN TYPE HEADS.
3. USE EXISTING SIGNAL TIMING
4. FOR LOCATIONS WITH ONLY A.P.S. REPLACEMENTS, USE EXISTING WIRING



SIGNAL SHEET 1 OF 24
(RT 50/63 AT BROADWAY 1 OF 6)

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED	4/9/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	65
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

Hg Consult inc engineers planners
7733 N. WALLACE AVE. | Kansas City, MO 64158 | (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	LOCATION APPROACH	LOCATION STATION	LOCATION OFFSET	BASE A 9	BASE A 9.5	BASE A 10	BASE A 10.5	BASE A 11	BASE A 12	BASE F 9	BASE F 9.5	BASE F 10	BASE F 10.5	BASE F 11	BASE F 12	BASE C	CONCRETE** (CU. YDS.)	PULL BOX PREFORMED CLASS 1	PULL BOX PREFORMED CLASS 2	PULL BOX PREFORMED CLASS 3	PULL BOX PREFORMED CLASS 5	PULL BOX CONCRETE STANDARD	PULL BOX CONCRETE DOUBLE, TYPE A	PULL BOX CONCRETE DOUBLE, TYPE B	DRAIN TYPE* I	DRAIN TYPE* II A	DRAIN TYPE* II B	DRAIN TYPE* II C	TOP MOUNT POST 8 FT.	TOP MOUNT POST 15 FT.	TYPE C & CL ARM LENGTH A	TYPE C & CL ARM LENGTH A	TYPE C & CL ARM LENGTH A	TYPE C & CL ARM LENGTH A	TYPE C & CL SIGNAL SPACING B	TYPE C & CL SIGNAL SPACING C	TYPE C & CL SIGNAL SPACING D	TYPE C & CL SIGNAL SPACING D'	TYPE C & CL SIGN SPACING B	TYPE C & CL SIGN SPACING C	TYPE C & CL SIGN SPACING D	TYPE C & CL SIGN SPACING D'	TYPE B & BL ARM LENGTH E	TYPE B & BL ARM LENGTH K	TYPE B & BL ARM LENGTH E	TYPE B & BL ARM LENGTH K	TYPE B & BL ARM LENGTH E	TYPE B & BL ARM LENGTH K	LEFT ARM E SIGNAL SPACING F	LEFT ARM E SIGNAL SPACING G	LEFT ARM E SIGNAL SPACING H	LEFT ARM E SIGNAL SPACING H'	LEFT ARM E SIGN SPACING F	LEFT ARM E SIGN SPACING G	LEFT ARM E SIGN SPACING H	LEFT ARM E SIGN SPACING H'	RIGHT ARM K SIGNAL SPACING L	RIGHT ARM K SIGNAL SPACING M	RIGHT ARM K SIGNAL SPACING N	RIGHT ARM K SIGNAL SPACING N'	RIGHT ARM K SIGN SPACING L	RIGHT ARM K SIGN SPACING M	RIGHT ARM K SIGN SPACING N	RIGHT ARM K SIGN SPACING N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	LUMINAIRE BRACKET ARM* 6 FT.	LUMINAIRE BRACKET ARM* 8 FT.	LUMINAIRE BRACKET ARM* 10 FT.	LUMINAIRE BRACKET ARM* 12 FT.	LUMINAIRE BRACKET ARM* 15 FT.
			CONTROLLER	(UIP)																																																															
1		UIP EXISTING	POLE																																																																
2		UIP EXISTING	POLE																																																																
3		UIP EXISTING	POLE																																																																
4		UIP EXISTING	POLE																																																																
5		RT 50/63	12+25.6	57.1' R													1	0.44												1																																										
	1	UIP EXISTING																																																																	
	2	UIP EXISTING																																																																	
	4	UIP EXISTING																																																																	
SUBTOTAL																		0.44												1																																										
TOTAL																																																																									

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	INDICATIONS * 12" LENS CONVENTIONAL R	Y	YL	YRt	FYL	FYR	G	S	L	Rt	✋🚶	INDICATIONS * 12" LENS OPTICAL LIMITING R	Y	YL	YRt	YL	YRt	G	S	L	Rt	VISORS * 12" LENS	VISORS * PED.	LOUVERS * A	B	C	D	E	F	BACKPLATE* LENSES 1	2	3	4	5	RETROREFLECTIVE BACKPLATE* LENSES 1	2	3	4	5	BRACKET* TYPE I	II	III	ONE-FACE SECTION 1- T	1- S	1- C	1- B	3- T	3- S	3- C	3- B	4- T	4- S	4- C	4- B	5- T	5- S	5- C	5- B	TWO-FACE SECTIONS 11- T	11- S	11- B	33- T	33- S	33- C	33- B	34- S	34- B	35- S	35- B	44- S	44- B	45- S	45- B
	1	83												UIP																																																											
	2	44												UIP																																																											
	3	84												UIP																																																											
	5	43												1																																	1																													

SUBTOTAL
TOTAL

	1- T	1- S	1- C	1- B	3- T	3- S	3- C	3- B	4- T	4- S	4- C	4- B	5- T	5- S	5- C	5- B	11- T	11- S	11- B	33- T	33- S	33- C	33- B	34- S	34- B	35- S	35- B	44- S	44- B	45- S	45- B
SUBTOTAL OPTICALLY LIMITED																															
SUBTOTAL CONVENTIONAL																															
SUBTOTAL COMBINATION OL & CONV																															
TOTAL OPTICALLY LIMITED																															
TOTAL CONVENTIONAL		1																													
TOTAL COMBINATION OL & CONV																															

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

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

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

LEGEND

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

SIGNAL PLAN SHEET 2 OF 24
(RT 50/63 AT BROADWAY 2 OF 6)
INTERSECTION

D-37A

ANGELA NELSON
NUMBER PE-2024007465

DATE PREPARED	4/9/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	66
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

7733 N. WALLACE AVE.; Kansas City, MO 64158; (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"		2"	3"	4"	2"	3"	4"	2"	3"		
4	5	13			14												
SUBTOTALS					14												
TOTALS					14												

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
					2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
	44	221			256											
	43	221				257										
SUBTOTALS					256	257										
TOTALS					256	257										

INTERSECTION SIGNAL SHEET 3 OF 24 (RT 50/63 AT BROADWAY 3 OF 6) D-37B

STATE OF MISSOURI
ANGELA NELSON
NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED 4/9/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	67

COUNTY: COLE/OSAGE

JOB NO. JCD0126

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)

Hg Consult Inc engineers planners
7733 N. WALLACE AVE.: Kansas City, MO 64158: (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
SE CORNER OF	INTERSECTION		Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

** POWER SUPLY IS EXISTING

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
SE CORNER ADJACENT TO RT 50/63																						

*** CONTROLLER ASSEMBLY IS EXISTING

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1	****	****	****	****	****	****	****	****
	2	****	****	****	****	****	****	****	****

**** VEHICLE DETECTION IS EXISTING

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

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
#	#		#	#	#		#		#		#

VEHICLE LOAD SWITCHES ARE EXISTING

DETECTOR SCHEDULE

DETECTOR NUMBER	PHASE	TYPE					
		PUSH BUTTON (APS)	PUSH BUTTON EXTENSION	INDUCTION LOOP (2)			VIDEO
				STANDARD	DELAY/ EXTEND *	CALL UNIT *	
43	PHASE 4	1	1				
44	PHASE 4	1					
83	PHASE 8	1					
84	PHASE 8	1					
CONTINGENCY			1				
TOTAL		4	2				

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

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

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.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
1	R10-3E(L)	9 X 15	0.94	0.94	1
3	R10-3E(R)	9 X 15	0.94	2.82	3
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
	R10-11A	24 X 30	5.0		
			SUBTOTAL	3.76	4
			TOTAL	4	4

SIGNAL SHEET 4 OF 24 (RT 50/63 AT BROADWAY 4 OF 6)

INTERSECTION

D-37C

STATE OF MISSOURI
ANGELA NELSON
NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED 4/9/2025

ROUTE VAR. | STATE MO

DISTRICT CD | SHEET NO. 68

COUNTY COLE/OSAGE

JOB NO. JCD0126

CONTRACT ID.

PROJECT NO.

BRIDGE NO. –

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

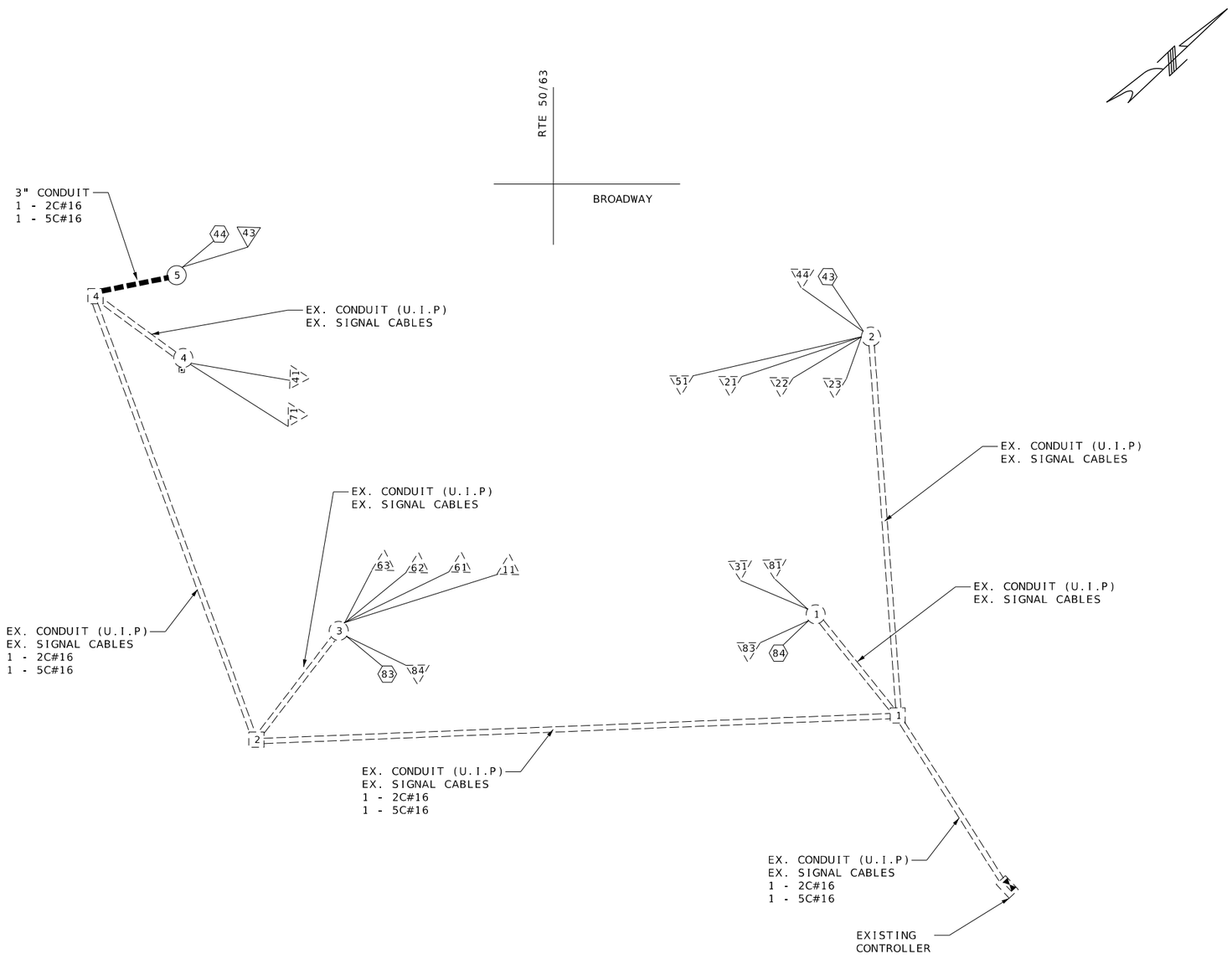
Hg Consult Inc engineers planners
7733 N. WALLACE AVE. | Kansas City, MO 64158 | (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

068_SG_04_JCD0123_I20_BROADWAY_D-37C.dgn 9:30:56 AM 4/9/2025

EFFECTIVE: xx-xx-xxxx

WIRING DIAGRAM



CABLES SHOWN ARE PROPOSED.
EXISTING CONUDUIT CONTAINS ADDITIONAL CABLES

LEGEND

	EXISTING CONDUIT
	CONDUIT TRENCHED
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST/MAST ARM WITH NUMBER
X	EXISTING PULL BOX WITH NUMBER
X	EXISTING POST/MAST ARM WITH NUMBER
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
X	EXISTING DETECTOR WITH NUMBER
X	EXISTING SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

SIGNAL SHEET 5 OF 24
(RT 50/63 AT BROADWAY SHEET 5 OF 6)

INTERSECTION

D-37D

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED	
4/9/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	69
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

Hg Consult inc engineers planners
7733 N. WALLACE AVE.: Kansas City, MO 641581 (816)912-4720

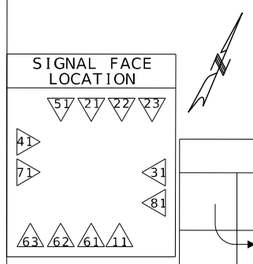
Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

069_SG_05_JCD0126_I20_BROADWAY_D-37D.dgn 9:30:58 AM 4/9/2025

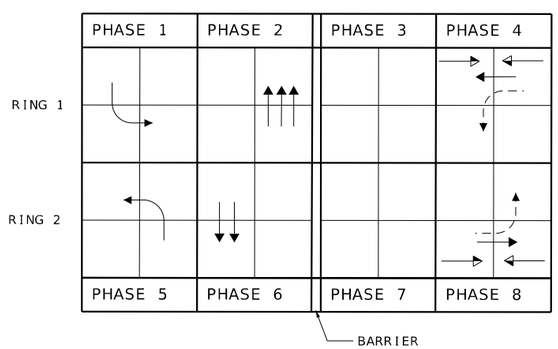
EFFECTIVE: xx-xx-xxxx

EFFECTIVE 12/01/2017



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø2 OVERLAP	PED Ø4 OVERLAP	PED Ø6 OVERLAP	PED Ø8 OVERLAP
FACE NUMBERS	11	21 22 23		71 41	51	63 62 61		31 81		43 44		84 83
SIGNAL INDICATIONS R	RL	R R R		R R	RL	R R R		R R		DW DW		DW DW
SIGNAL INDICATIONS Y	YL	Y Y Y		Y Y	YL	Y Y Y		Y Y		FDW FDW		FDW FDW
SIGNAL INDICATIONS FYL												
SIGNAL INDICATIONS G	L	G G G		G G	L	G G G		G G		W W		W W
DETECTOR ASSIGNMENTS												
DETECTOR ASSIGNMENTS (PEDS. ONLY)												
OVERLAP PARENT PHASES												



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

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

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

FLASHING OPERATION	
ALL APPROACHES	FR
	FY

CONTROLLER TYPE	EX.

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF RT 50/63

WITH BROADWAY

SIGNAL SHEET 6 OF 24
(BROADWAY SHEET 6 OF 6)

D-38E

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED	
4/9/2025	
ROUTE VAR.	STATE MO
DISTRICT CD	SHEET NO. 70
COUNTY COLE/OSAGE	
JOB NO. JCD0126	
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)

Hg Consult Inc engineers planners
7733 N. WALLACE AVE., Kansas City, MO 64158 (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

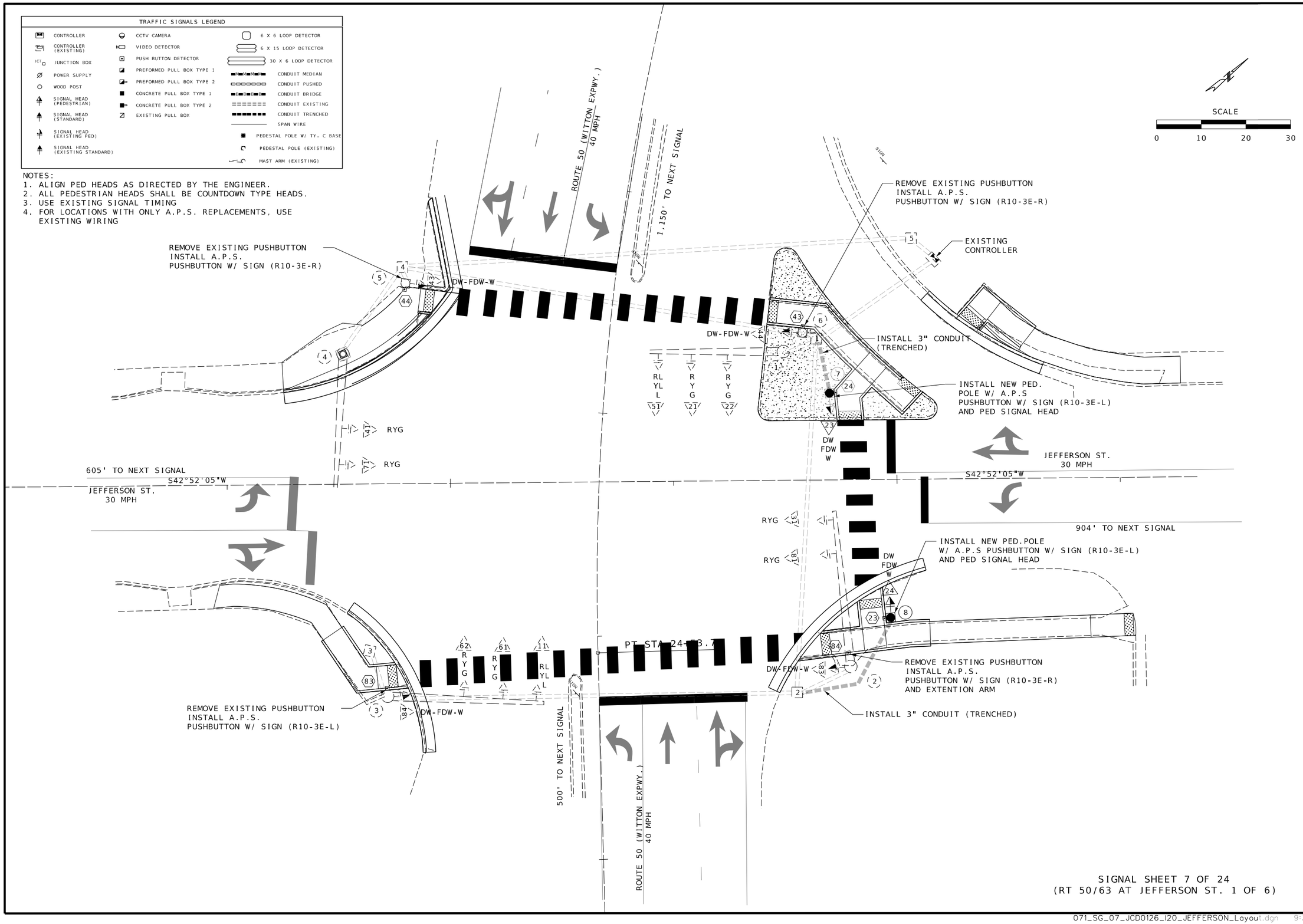
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

070_SG_06_JCD0126_I20_BROADWAY_D-38E.dgn 9:31:00 AM 4/9/2025

TRAFFIC SIGNALS LEGEND

CONTROLLER	CCTV CAMERA	6 X 6 LOOP DETECTOR
CONTROLLER (EXISTING)	VIDEO DETECTOR	6 X 15 LOOP DETECTOR
JUNCTION BOX	PUSH BUTTON DETECTOR	30 X 6 LOOP DETECTOR
POWER SUPPLY	PREFORMED PULL BOX TYPE 1	CONDUIT MEDIAN
WOOD POST	PREFORMED PULL BOX TYPE 2	CONDUIT PUSHED
SIGNAL HEAD (PEDESTRIAN)	CONCRETE PULL BOX TYPE 1	CONDUIT BRIDGE
SIGNAL HEAD (STANDARD)	CONCRETE PULL BOX TYPE 2	CONDUIT EXISTING
SIGNAL HEAD (EXISTING PED)	EXISTING PULL BOX	CONDUIT TRENCHED
SIGNAL HEAD (EXISTING STANDARD)		SPAN WIRE
		PEDESTAL POLE W/ TY. C BASE
		PEDESTAL POLE (EXISTING)
		MAST ARM (EXISTING)

NOTES:
1. ALIGN PED HEADS AS DIRECTED BY THE ENGINEER.
2. ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN TYPE HEADS.
3. USE EXISTING SIGNAL TIMING
4. FOR LOCATIONS WITH ONLY A.P.S. REPLACEMENTS, USE EXISTING WIRING



SIGNAL SHEET 7 OF 24
(RT 50/63 AT JEFFERSON ST. 1 OF 6)

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED	
4/9/2025	
ROUTE VAR.	STATE MO
DISTRICT CD	SHEET NO. 71
COUNTY COLE/OSAGE	
JOB NO. JCD0126	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. –	

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

Hg Consult Inc engineers planners
7733 N. WALLACE AVE.: Kansas City, MO 64158: (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

071_SG_07_JCD0126_I20_JEFFERSON_Layout.dgn 9:31:04 AM 4/9/2025

EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	LOCATION			BASE													CONCRETE** (CU. YDS.)	PULL BOX											POST																																												
		APPROACH	STATION	OFFSET	A						F						C		PREFORMED				CONCRETE			DRAIN TYPE*				TOP MOUNT POST		TYPE C & CL												TYPE B & BL																							LUMINAIRE BRACKET ARM*					
					9	9.5	10	10.5	11	12	9	9.5	10	10.5	11	12			CLASS 1	CLASS 2	CLASS 3	CLASS 5	STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	I	II A	II B	II C	8 FT.	15 FT.	ARM LENGTH A	A	A	A	SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D	D'	ARM LENGTH E	K	E	K	E	K	LEFT ARM E SIGNAL SPACING F	G	H	H'	SIGN SPACING F	G	H	H'	RIGHT ARM K SIGNAL SPACING L	M	N	N'	SIGN SPACING L	M	N	N'	INCLUDED ANGLE	4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
			CONTROLLER	(UIP)																																																																		
1		UIP EXISTING	POLE																																																																			
2		UIP EXISTING	POLE																																																																		
3		UIP EXISTING	POLE																																																																		
4		UIP EXISTING	POLE																																																																		
5		UIP EXISTING	POLE																																																																		
6		UIP EXISTING	POLE																																																																		
7		RT50/63	24+16	51.2' L													1	0.44												1																																												
8		RT50/63	24+70	64.8' L													1	0.44												1																																												
	1	UIP EXISTING																																																																					
	2	UIP EXISTING																																																																					
	3	UIP EXISTING																																																																					
	4	UIP EXISTING																																																																					
	5	UIP EXISTING																																																																					
SUBTOTAL																		0.88																																																						
TOTAL																		0.88												2																																												

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	INDICATIONS *																					VISORS *		LOUVERS *						BACKPLATE*					RETROREFLECTIVE BACKPLATE*					BRACKET*			ONE-FACE																TWO-FACE														
				12" LENS CONVENTIONAL											12" LENS OPTICAL LIMITING										12" LENS	PED.							LENSES					LENSES					TYPE			SECTION 1-				3-				4-				5-				SECTIONS 11-			33-				34-		35-		44-		45-	
				R	Y	YL	YRt	FYL	FYR	G	S	L	Rt	✋🚶	R	Y	YL	YRt	YL	YRt	G	S	L	Rt			A	B	C	D	E	F	1	2	3	4	5	1	2	3	4	5	I	II	III	T	S	C	B	T	S	C	B	T	S	C	B	T	S	C	B	T	S	B	T	S	C	B	S	B	S	B	S	B	S	B
	2	83												UIP																																																													
	3	84												UIP																																																													
	5	43												UIP																																																													
	6	44												UIP																																																													
	7	23												1																																1																														
	8	24												1																																1																														

SUBTOTAL

TOTAL

	1- T	1- S	1- C	1- B	3- T	3- S	3- C	3- B	4- T	4- S	4- C	4- B	5- T	5- S	5- C	5- B	11- T	11- S	11- B	33- T	33- S	33- C	33- B	34- S	34- B	35- S	35- B	44- S	44- B	45- S	45- B
SUBTOTAL OPTICALLY LIMITED																															
SUBTOTAL CONVENTIONAL																															
SUBTOTAL COMBINATION OL & CONV																															
TOTAL OPTICALLY LIMITED																															
TOTAL CONVENTIONAL		2																													
TOTAL COMBINATION OL & CONV																															

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

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

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

SIGNAL PLAN SHEET 8 OF 24
(RT 50/63 AT JEFFERSON ST. 2 OF 6)
INTERSECTION

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

D-37A

ANGELA NELSON
NUMBER
PE-2024007465

DATE PREPARED
4/9/2025

ROUTE
VAR.

STATE
MO

DISTRICT
CD

SHEET NO.
72

COUNTY
COLE/OSAGE

JOB NO.
JCD0126

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)

Hg Consult Inc engineers planners
7733 N. WALLACE AVE.: Kansas City, MO 64158: (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"		2"	3"	4"	2"	3"	4"	2"	3"		
1	7	12			13												
2	8	30			31												
SUBTOTALS					44												
TOTALS					44												

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
					2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
	24	44			67											
	23	44				68										
	23	142			171											
	24	142				172										
SUBTOTALS					238	240										
TOTALS					238	240										

INTERSECTION: SIGNAL SHEET 9 OF 24 (RT 50/63 AT JEFFERSON ST. 3 OF 6) D-37B

STATE OF MISSOURI
ANGELA NELSON
NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED 4/9/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	73

COUNTY: COLE/OSAGE
JOB NO.: JCD0126
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)

Hg Consult inc engineers planners
7733 N. WALLACE AVE.: Kansas City, MO 64158: (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
NE CORNER OF	INTERSECTION		Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

** POWER SUPLY IS EXISTING

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
NE CORNER																						

*** CONTROLLER ASSEMBLY IS EXISTING

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1	****	****	****	****	****	****	****	****
	2	****	****	****	****	****	****	****	****

**** VEHICLE DETECTION IS EXISTING

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

DETECTOR SCHEDULE

DETECTOR NUMBER	PHASE	TYPE					
		PUSH BUTTON (APS)	PUSH BUTTON EXTENSION	INDUCTION LOOP (2)			VIDEO
				STANDARD	DELAY/ EXTEND *	CALL UNIT *	
43	PHASE 4	1					
44	PHASE 4	1					
83	PHASE 8	1					
84	PHASE 8	1	1				
24	PHASE 2	1					
23	PHASE 2	1					
CONTINGENCY			1				
TOTAL		6	2				

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

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

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
#	#		#	#	#		#	02 PED	#		#

VEHICLE LOAD SWITCHES ARE EXISTING

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.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
3	R10-3E(L)	9 X 15	0.94	2.82	3
3	R10-3E(R)	9 X 15	0.94	2.82	3
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
	R10-11A	24 X 30	5.0		
			SUBTOTAL	5.64	6
			TOTAL	6	6

SIGNAL SHEET 10 OF 24 (RT 50/63 ATJEFFERSON ST. 4 OF 6)

INTERSECTION

D-37C

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED 4/9/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	74

COUNTY: COLE/OSAGE

JOB NO.: JCD0126

CONTRACT ID.

PROJECT NO.

BRIDGE NO.: –

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

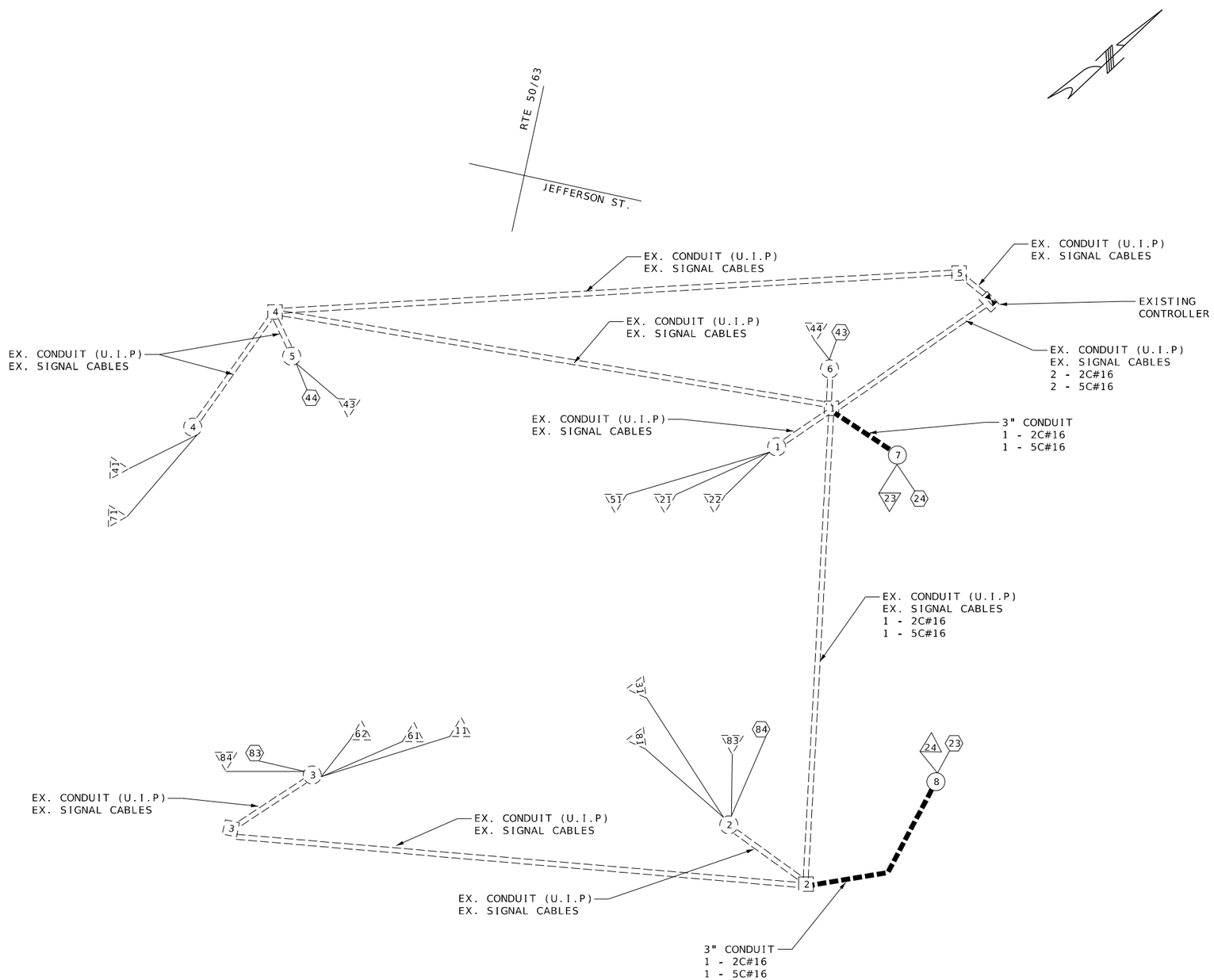
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg Consult Inc engineers planners
7733 N. WALLACE AVE. • Kansas City, MO 64158: (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

EFFECTIVE: xx-xx-xxxx

WIRING DIAGRAM



CABLES SHOWN ARE PROPOSED.
EXISTING CONUDUIT CONTAINS ADDITIONAL CABLES

LEGEND

	EXISTING CONDUIT
	CONDUIT TRENCHED
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST/MAST ARM WITH NUMBER
X	EXISTING PULL BOX WITH NUMBER
X	EXISTING POST/MAST ARM WITH NUMBER
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
X	EXISTING DETECTOR WITH NUMBER
X	EXISTING SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

SIGNAL PLAN SHEET 11 OF 24
(RT 50/63 AT JEFFERSON ST. SHEET 5 OF 6)

INTERSECTION

D-37D

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED	4/9/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	75
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

Hg Consult Inc engineers planners
7733 N. WALLACE AVE.: Kansas City, MO 64158: (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

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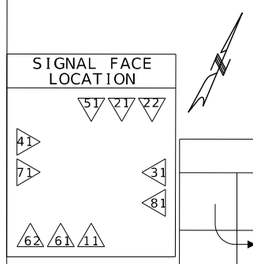
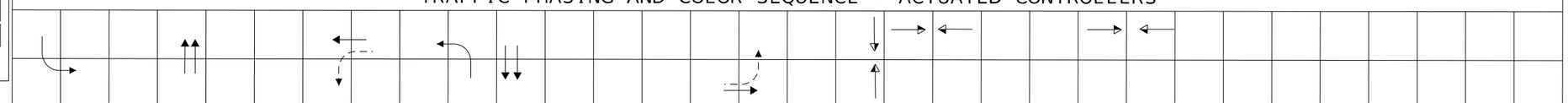
075_SG_11_JCD0126_I20_JEFFERSON_D-37D.dgn 9:31:12 AM 4/9/2025

EFFECTIVE: xx-xx-xxxx

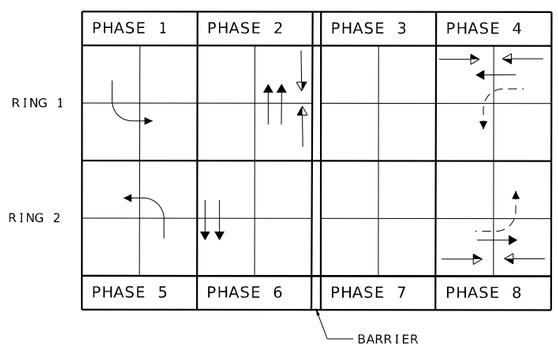
EFFECTIVE 12/01/2017



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS



		PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø2 OVERLAP	PED Ø4 OVERLAP	PED Ø6 OVERLAP	PED Ø8 OVERLAP
FACE NUMBERS		11	21 22		71 41	51	61 62		31 81	23 24	43 44		84 83
SIGNAL INDICATIONS	R	RL	R R		R R	RL	R R		R R	DW DW	DW DW		DW DW
	Y	YL	Y Y		Y Y	YL	Y Y		Y Y	FDW FDW	FDW FDW		FDW FDW
	FYL												
	G	L	G G		G G	L	G G		G G	W W	W W		W W
DETECTOR ASSIGNMENTS													
DETECTOR ASSIGNMENTS (PEDS. ONLY)													
OVERLAP PARENT PHASES													



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

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

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

FLASHING OPERATION	
ALL APPROACHES	FR
	FY

CONTROLLER TYPE	EX.

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF RT 50/63

WITH JEFFERSON ST.

SIGNAL SHEET 12 OF 24
(JEFFERSON ST. SHEET 6 OF 6)

D-38E

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED	
4/9/2025	
ROUTE VAR.	STATE MO
DISTRICT CD	SHEET NO. 76
COUNTY COLE/OSAGE	
JOB NO. JCD0126	
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)

Hg Consult Inc engineers planners
7733 N. WALLACE AVE.; Kansas City, MO 64158; (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

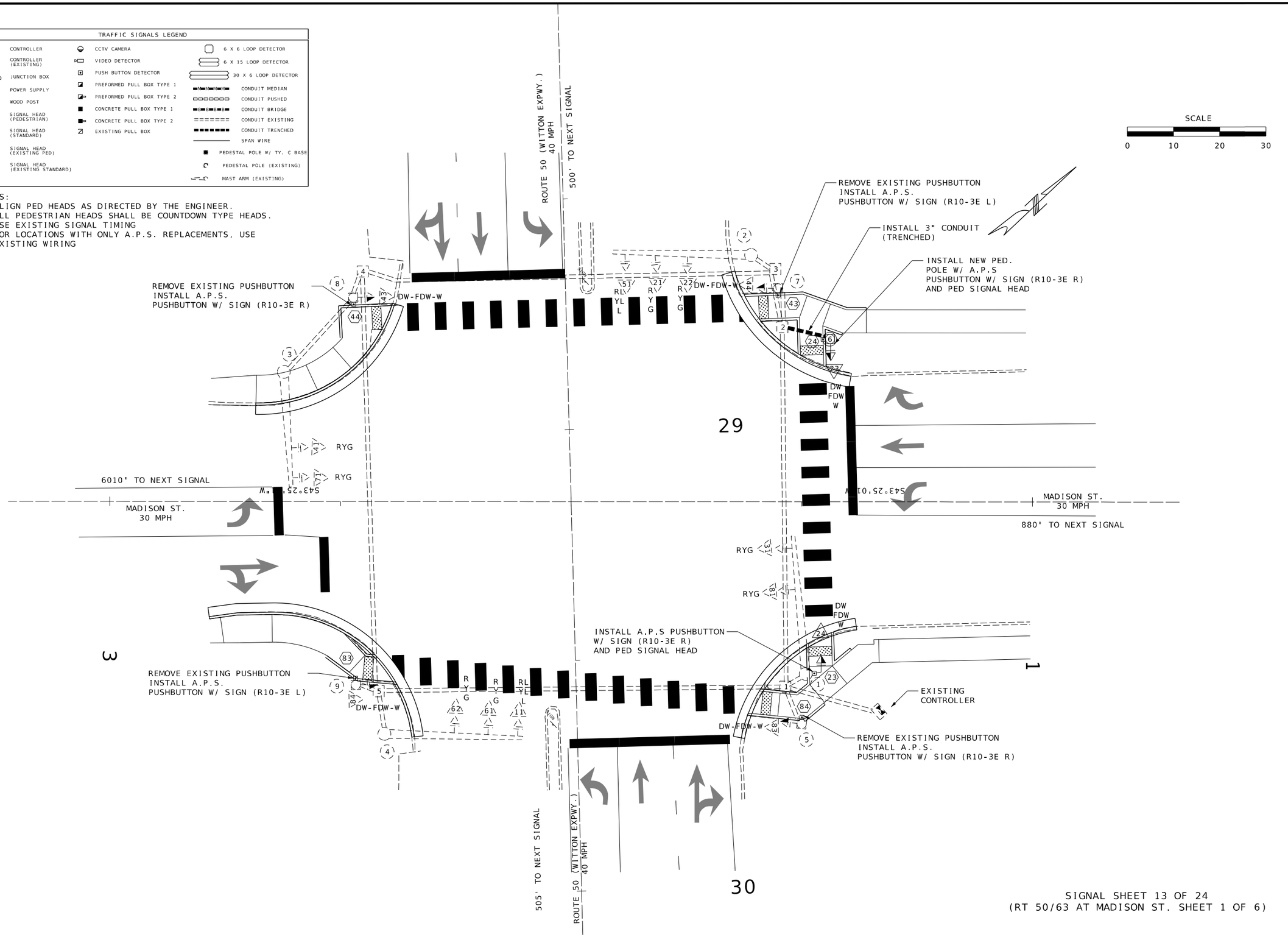
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

076_SG_012_JCD0126_I20_JEFFERSON_D-38E.dgn 9:31:14 AM 4/9/2025

TRAFFIC SIGNALS LEGEND

CONTROLLER	CCTV CAMERA	6 X 6 LOOP DETECTOR
CONTROLLER (EXISTING)	VIDEO DETECTOR	6 X 15 LOOP DETECTOR
JUNCTION BOX	PUSH BUTTON DETECTOR	30 X 6 LOOP DETECTOR
POWER SUPPLY	PREFORMED PULL BOX TYPE 1	CONDUIT MEDIAN
WOOD POST	PREFORMED PULL BOX TYPE 2	CONDUIT PUSHED
SIGNAL HEAD (PEDESTRIAN)	CONCRETE PULL BOX TYPE 1	CONDUIT BRIDGE
SIGNAL HEAD (STANDARD)	CONCRETE PULL BOX TYPE 2	CONDUIT EXISTING
SIGNAL HEAD (EXISTING PED)	EXISTING PULL BOX	CONDUIT TRENCHED
SIGNAL HEAD (EXISTING STANDARD)		SPAN WIRE
		PEDESTAL POLE W/ TY. C BASE
		PEDESTAL POLE (EXISTING)
		MAST ARM (EXISTING)

NOTES:
1. ALIGN PED HEADS AS DIRECTED BY THE ENGINEER.
2. ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN TYPE HEADS.
3. USE EXISTING SIGNAL TIMING
4. FOR LOCATIONS WITH ONLY A.P.S. REPLACEMENTS, USE EXISTING WIRING



SIGNAL SHEET 13 OF 24
(RT 50/63 AT MADISON ST. SHEET 1 OF 6)

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED	
4/9/2025	
ROUTE VAR.	STATE MO
DISTRICT CD	SHEET NO. 77
COUNTY COLE/OSAGE	
JOB NO. JCD0126	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. –	

DATE	DESCRIPTION

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

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Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

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077_SG_13_JCD0126_I20_MADISON_Layout.dgn 9:31:17 AM 4/9/2025

EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	LOCATION			BASE														PULL BOX										
		APPROACH	STATION	OFFSET	A						F						C	CONCRETE** (CU. YDS.)	PREFORMED				CONCRETE			DRAIN TYPE*			
					9	9.5	10	10.5	11	12	9	9.5	10	10.5	11	12			CLASS 1	CLASS 2	CLASS 3	CLASS 5	STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	I	II		
																											A	B	C
			CONTROLLER	(UIP)																									
1		UIP EXISTING	POLE																										
2		UIP EXISTING	POLE																										
3		UIP EXISTING	POLE																										
4		UIP EXISTING	POLE																										
5		UIP EXISTING	POLE																										
6		RT 50/63	23+96.9	54.3' L													1	0.44											
7		UIP EXISTING	POLE																										
8		UIP EXISTING	POLE																										
9		UIP EXISTING	POLE																										
	1	UIP EXISTING																											
	2	UIP EXISTING																											
	3	UIP EXISTING																											
	4	UIP EXISTING																											
	5	UIP EXISTING																											
				SUBTOTAL														0.44											
				TOTAL														0.44											

POST NUMBER	TOP MOUNT POST		TYPE C & CL												TYPE B & BL																							LUMINAIRE BRACKET ARM*					
			ARM LENGTH				SIGNAL SPACING				SIGN SPACING				ARM LENGTH						LEFT ARM E								RIGHT ARM K								INCLUDED ANGLE						
																					SIGNAL SPACING				SIGN SPACING				SIGNAL SPACING				SIGN SPACING										
	8 FT.	15 FT.	A	A	A	A	B	C	D	D'	B	C	D	D'	E	K	E	K	E	K	F	G	H	H'	F	G	H	H'	L	M	N	N'	L	M	N	N'		4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
1																																											
2																																											
3																																											
4																																											
5																																											
6	1																																										
7																																											
8																																											
9																																											
SUBTOTAL																																											
TOTAL	1																																										

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	INDICATIONS *																					VISORS *	
				12" LENS CONVENTIONAL											12" LENS OPTICAL LIMITING										12" LENS	PED.
				R	Y	YL	YRt	FYL	FYR	G	S	L	Rt	✋🚶	R	Y	YL	YRt	YL	YRt	G	S	L	Rt		
	1	24												1												
	2	-												-												
	3	-												-												
	4	-												-												
	5	83												UIP												
	6	23												1												
	7	44												UIP												
	8	43												UIP												
	9	84												UIP												

POST NUMBER	LOUVERS *						BACKPLATE* LENSES					RETROREFLECTIVE BACKPLATE* LENSES					BRACKET* TYPE			ONE-FACE SECTION																TWO-FACE SECTIONS														
																				1-				3-				4-				5-				11-			33-				34-		35-		44-		45-	
	A	B	C	D	E	F	1	2	3	4	5	1	2	3	4	5	I	II	III	T	S	C	B	T	S	C	B	T	S	C	B	T	S	C	B	T	S	B	T	S	C	B	S	B	S	B	S	B	S	B
1																					1																													
2																																																		
3																																																		
4																																																		
5																																																		
6																					1																													
7																																																		
8																																																		
9																																																		

SUBTOTAL
TOTAL

	1- T	1- S	1- C	1- B	3- T	3- S	3- C	3- B	4- T	4- S	4- C	4- B	5- T	5- S	5- C	5- B	11- T	11- S	11- B	33- T	33- S	33- C	33- B	34- S	34- B	35- S	35- B	44- S	44- B	45- S	45- B
SUBTOTAL OPTICALLY LIMITED																															
SUBTOTAL CONVENTIONAL																															
SUBTOTAL COMBINATION OL & CONV																															
TOTAL OPTICALLY LIMITED																															
TOTAL CONVENTIONAL		2																													
TOTAL COMBINATION OL & CONV																															

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

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

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

SIGNAL PLAN SHEET 14 OF 24
(RT 50/63 AT MADISON ST 2 OF 6)
INTERSECTION

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

D-37A

ANGELA NELSON
NUMBER
PE-2024007465

DATE PREPARED	
4/9/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	78
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

Hg Consult Inc engineers planners
7733 N. WALLACE AVE.; Kansas City, MO 64158; (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"		2"	3"	4"	2"	3"	4"	2"	3"		
2	6	11			12												
SUBTOTALS					12												
TOTALS					12												

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
										CONTROL	POLE & BRACKET					
					2c #16	5c #16	7c #16	3c #16	3 PAIR #16	2c #12	1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
	23	26			49											
	24	26				50										
	24	110			139											
	23	110				140										
SUBTOTALS					188	190										
TOTALS					188	190										

INTERSECTION SIGNAL SHEET 15 OF 24 (RT 50/63 AT MADISON ST. 3 OF 6) D-37B

STATE OF MISSOURI
ANGELA NELSON
NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED 4/9/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	79

COUNTY COLE/OSAGE

JOB NO. JCD0126

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)

Hg Consult Inc engineers planners
7733 N. WALLACE AVE.: Kansas City, MO 64158: (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
DUE EAST CORNER OF INTERSECTION			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

** POWER SUPLY IS EXISTING

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
DUE EAST CORNER																						

*** CONTROLLER ASSEMBLY IS EXISTING

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1	****	****	****	****	****	****	****	****
	2	****	****	****	****	****	****	****	****

**** VEHICLE DETECTION IS EXISTING

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

DETECTOR SCHEDULE

DETECTOR NUMBER	PHASE	TYPE					
		PUSH BUTTON (APS)	PUSH BUTTON EXTENSION	INDUCTION LOOP (2)			VIDEO
				STANDARD	DELAY/ EXTEND *	CALL UNIT *	
43	PHASE 4	1					
44	PHASE 4	1					
83	PHASE 8	1					
84	PHASE 8	1					
24	PHASE 2	1					
23	PHASE 2	1					
	TOTAL	6					

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

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

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
#	#		#	#	#		#	02 PED	#		#

VEHICLE LOAD SWITCHES ARE EXISTING

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.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
2	R10-3E(L)	9 X 15	0.94	1.88	2
4	R10-3E(R)	9 X 15	0.94	3.76	4
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
	R10-11A	24 X 30	5.0		
			SUBTOTAL	5.64	6
			TOTAL	6	6

SIGNAL SHEET 16 OF 24
(RT 50/63 AT MADISON ST. 4 OF 6)
INTERSECTION

D-37C

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED 4/9/2025
ROUTE VAR. STATE MO
DISTRICT CD SHEET NO. 80
COUNTY COLE/OSAGE
JOB NO. JCD0126
CONTRACT ID.
PROJECT NO.
BRIDGE NO. –

DESCRIPTION | DATE

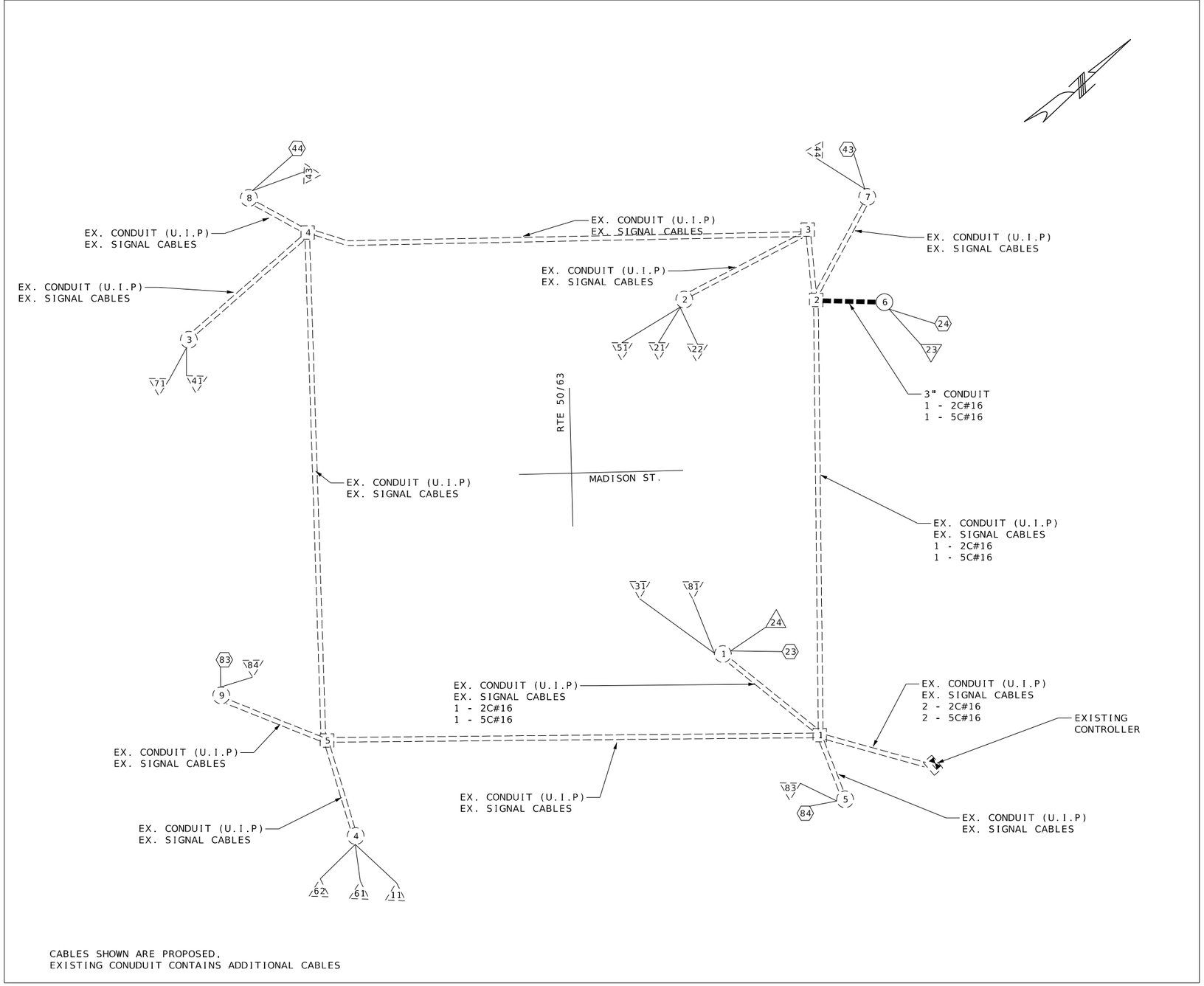
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Hg Consult Inc engineers planners
7733 N. WALLACE AVE. | Kansas City, MO 64158 | (816)912-4720
Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE: xx-xx-xxxx

WIRING DIAGRAM



CABLES SHOWN ARE PROPOSED.
EXISTING CONUDUIT CONTAINS ADDITIONAL CABLES

LEGEND

	EXISTING CONDUIT
	CONDUIT TRENCHED
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST/MAST ARM WITH NUMBER
X	EXISTING PULL BOX WITH NUMBER
X	EXISTING POST/MAST ARM WITH NUMBER
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
X	EXISTING DETECTOR WITH NUMBER
X	EXISTING SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

SIGNAL PLAN SHEET 17 OF 24
(MADISON ST. SHEET 5 OF 6)

INTERSECTION

D-37D

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED	
4/9/2025	
ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	81
COUNTY	
COLE/OSAGE	
JOB NO.	
JCD0126	
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)

Hg Consult, Inc. engineers planners
7733 N. WALLACE AVE.: Kansas City, MO 64158: (816)912-4720

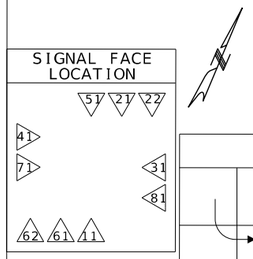
Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

081_SG_17_JCD0126_120_MADISON_D-37D.dgn 9:31:25 AM 4/9/2025

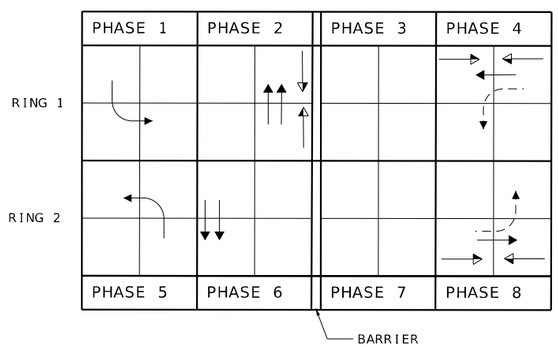
EFFECTIVE 12/01/2017

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	PED Ø2 OVERLAP	PED Ø4 OVERLAP	PED Ø6 OVERLAP	PED Ø8 OVERLAP
FACE NUMBERS		11	21 22		71 41	51	61 62		31 81	23 24	43 44		84 83
SIGNAL INDICATIONS	R	RL	R R		R R	RL	R R		R R	DW DW	DW DW		DW DW
	Y	YL	Y Y		Y Y	YL	Y Y		Y Y	FDW FDW	FDW FDW		FDW FDW
	FYL												
	G	L	G G		G G	L	G G		G G	W W	W W		W W
DETECTOR ASSIGNMENTS													
DETECTOR ASSIGNMENTS (PEDS. ONLY)													
OVERLAP PARENT PHASES													



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

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

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

FLASHING OPERATION	
ALL APPROACHES	FR
	FY

CONTROLLER TYPE	EX.

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF RT 50/63

WITH MADISON

SIGNAL SHEET 18 OF 24
(MADISON SHEET 6 OF 6)

D-38E

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED	
4/9/2025	
ROUTE VAR.	STATE MO
DISTRICT CD	SHEET NO. 82
COUNTY COLE/OSAGE	
JOB NO. JCD0126	
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)

Hg Consult Inc engineers planners
7733 N. WALLACE AVE., Kansas City, MO 64158 (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

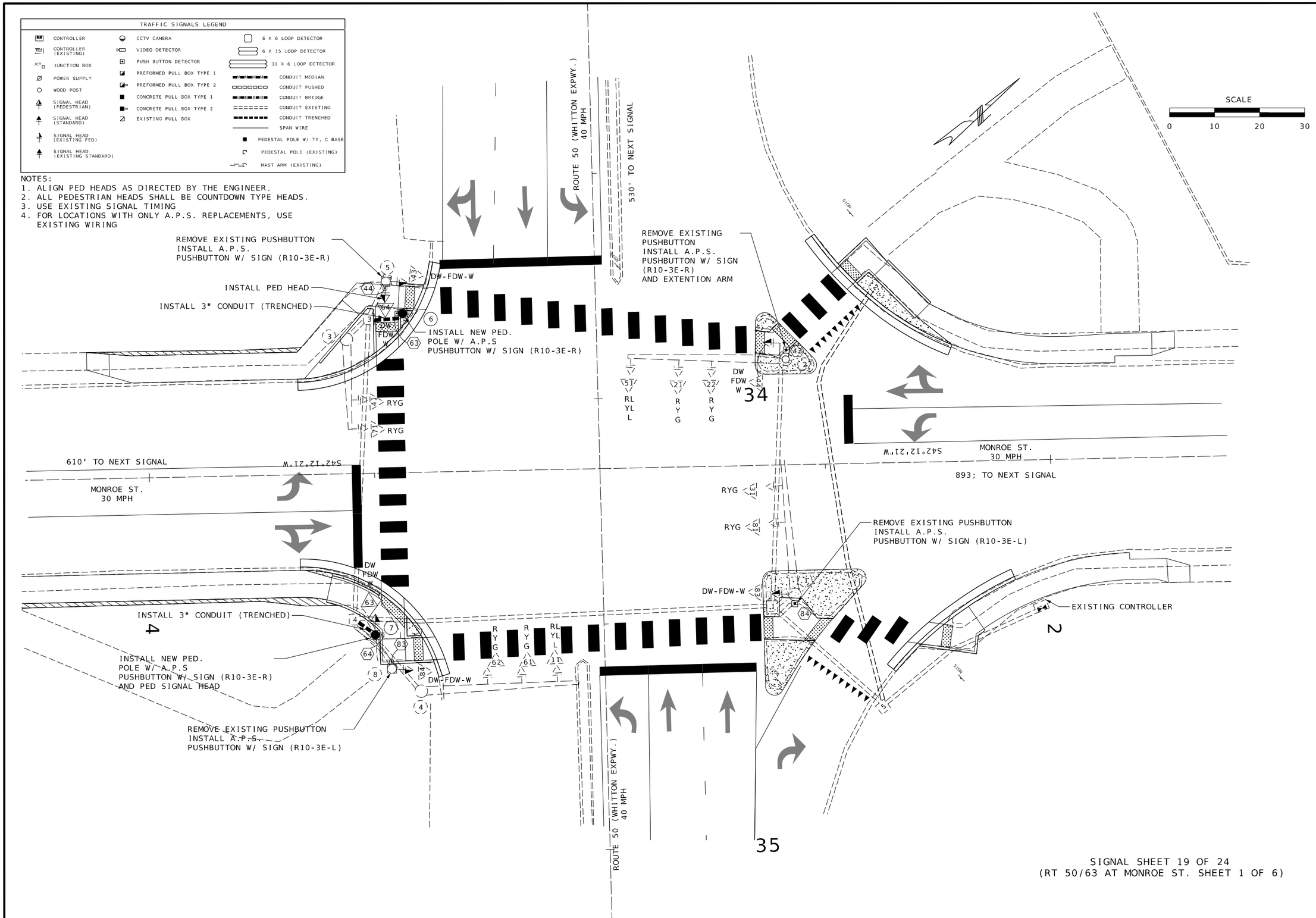
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

082_SG_18_JCD0126_120_MADISON_D-38E.dgn 9:31:27 AM 4/9/2025

TRAFFIC SIGNALS LEGEND

CONTROLLER	CCTV CAMERA	6 X 6 LOOP DETECTOR
CONTROLLER (EXISTING)	VIDEO DETECTOR	6 X 15 LOOP DETECTOR
JUNCTION BOX	PUSH BUTTON DETECTOR	30 X 6 LOOP DETECTOR
POWER SUPPLY	PREFORMED PULL BOX TYPE 1	CONDUIT MEDIAN
WOOD POST	PREFORMED PULL BOX TYPE 2	CONDUIT PUSHED
SIGNAL HEAD (PEDESTRIAN)	CONCRETE PULL BOX TYPE 1	CONDUIT BRIDGE
SIGNAL HEAD (STANDARD)	CONCRETE PULL BOX TYPE 2	CONDUIT EXISTING
SIGNAL HEAD (EXISTING PED)	EXISTING PULL BOX	CONDUIT TRENCHED
SIGNAL HEAD (EXISTING STANDARD)		SPAN WIRE
		PEDESTAL POLE W/ TY. C BASE
		PEDESTAL POLE (EXISTING)
		MAST ARM (EXISTING)

NOTES:
1. ALIGN PED HEADS AS DIRECTED BY THE ENGINEER.
2. ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN TYPE HEADS.
3. USE EXISTING SIGNAL TIMING
4. FOR LOCATIONS WITH ONLY A.P.S. REPLACEMENTS, USE EXISTING WIRING



SIGNAL SHEET 19 OF 24
(RT 50/63 AT MONROE ST. SHEET 1 OF 6)

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED	
4/9/2025	
ROUTE: VAR.	STATE: MO
DISTRICT: CD	SHEET NO.: 83
COUNTY: COLE/OSAGE	
JOB NO.: JCD0126	
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)

Hg Consult Inc engineers planners
7733 N. WALLACE AVE.; Kansas City, MO 64158; (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	LOCATION: APPROACH	LOCATION: STATION	LOCATION: OFFSET	BASE A 9	A 9.5	A 10	A 10.5	A 11	A 12	BASE F 9	F 9.5	F 10	F 10.5	F 11	F 12	BASE C	CONCRETE** (CU. YDS.)	PULL BOX PREFORMED CLASS 1	CLASS 2	CLASS 3	CLASS 5	CONCRETE STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	DRAIN TYPE* I	II A	II B	II C	TOP MOUNT POST 8 FT.	15 FT.
			CONTROLLER	(UIP)																											
1		UIP EXISTING	POLE																												
2		UIP EXISTING	POLE																												
3		UIP EXISTING	POLE																												
4		UIP EXISTING	POLE																												
5		UIP EXISTING	POLE																												
6		RT 50/63	33+80	42.8' R													1	0.44												1	
7		RT 50/63	34+51	50.8' R													1	0.44												1	
8		UIP EXISTING	POLE																												
	1	UIP EXISTING																													
	2	UIP EXISTING																													
	3	UIP EXISTING																													
	4	UIP EXISTING																													
	5	UIP EXISTING																													
				SUBTOTAL														0.88								▨	▨	▨	▨	2	
				TOTAL														0.88								▨	▨	▨	▨	2	

POST NUMBER	PULL BOX NUMBER	TYPE C & CL ARM LENGTH A	A	A	A	SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D	D'	TYPE B & BL ARM LENGTH E	K	E	K	E	K	LEFT ARM E SIGNAL SPACING F	G	H	H'	LEFT ARM E SIGN SPACING F	G	H	H'	RIGHT ARM K SIGNAL SPACING L	M	N	N'	RIGHT ARM K SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
1																																										
2																																										
3																																										
4																																										
5																																										
6																																										
7																																										
8																																										
	1																																									
	2																																									
	3																																									
	4																																									
	5																																									
SUBTOTAL						▨	▨	▨	▨	▨	▨	▨	▨							▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨
TOTAL						▨	▨	▨	▨	▨	▨	▨	▨							▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨	▨

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	INDICATIONS * 12" LENS CONVENTIONAL R	Y	YL	YRt	FYL	FYR	G	S	L	Rt	✋🚶	12" LENS OPTICAL LIMITING R	Y	YL	YRt	YL	YRt	G	S	L	Rt	VISORS * 12" LENS	PED.
	1	83												UIP												
	2	44												UIP												
	3																									
	4																									
	5	43												UIP												
	5	64												1												
	7	63												1												
	8	84												UIP												
		SUBTOTAL																								
		TOTAL																								

POST NUMBER	FACE NUMBER	LOUVERS * A	B	C	D	E	F	BACKPLATE* LENSES 1	2	3	4	5	RETROREFLECTIVE BACKPLATE* LENSES 1	2	3	4	5	BRACKET* TYPE I	II	III	ONE-FACE SECTION 1- T	1- S	1- C	1- B	3- T	3- S	3- C	3- B	4- T	4- S	4- C	4- B	5- T	5- S	5- C	5- B	TWO-FACE SECTIONS 11- T	11- S	11- B	33- T	33- S	33- C	33- B	34- S	34- B	35- S	35- B	44- S	44- B	45- S	45- B
1	83																																																		
2	44																																																		
3																																																			
4																																																			
5	43																																																		
5	64																						1																												
7	63																						1																												
8	84																																																		
SUBTOTAL OPTICALLY LIMITED																																																			
SUBTOTAL CONVENTIONAL																							2																												
SUBTOTAL COMBINATION OL & CONV																																																			
TOTAL OPTICALLY LIMITED																																																			
TOTAL CONVENTIONAL																																																			
TOTAL COMBINATION OL & CONV																																																			

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

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

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

SIGNAL PLAN SHEET 20 OF 24
(RT 50/63 MONROE ST 2 OF 6)

INTERSECTION

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

D-37A

ANGELA NELSON
NUMBER
PE-2024007465

DATE PREPARED	4/9/2025
ROUTE	VAR.
STATE	MO
DISTRICT	CD
SHEET NO.	84
COUNTY	COLE/OSAGE
JOB NO.	JCD0126
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)

Hg Consult Inc engineers planners
7733 N. WALLACE AVE.; Kansas City, MO 64158; (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"		2"	3"	4"	2"	3"	4"	2"	3"		
3	6	8			9												
4	7	6			7												
SUBTOTALS					16												
TOTALS					16												

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
					2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
		172	63		207											LOCATED ON POLE 6 (NEW)
		172		64		209										LOCATED ON POLE 5 (EX.)
		241	64		282											
		241		63		283										
SUBTOTALS					489	492										
TOTALS					489	492										

INTERSECTION SIGNAL SHEET 21 OF 24 (RT 50/63 AT MONROE ST 3 OF 6) D-37B

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED 4/9/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	85

COUNTY COLE/OSAGE

JOB NO. JCD0126

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)

Hg Consult Inc engineers planners
7733 N. WALLACE AVE.: Kansas City, MO 64158: (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

085_SG_21_JCD0123_I20_MONROE_D-37B.dgn 9:31:34 AM 4/9/2025

EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
EAST CORNER OF INTERSECTION			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

** POWER SUPLY IS EXISTING

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
MONROE APPRACH - EAST CORNER																						

*** CONTROLLER ASSEMBLY IS EXISTING

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1	****	****	****	****	****	****	****	****
	2	****	****	****	****	****	****	****	****

**** VEHICLE DETECTION IS EXISTING

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

DETECTOR SCHEDULE

DETECTOR NUMBER	PHASE	TYPE					
		PUSH BUTTON (APS)	PUSH BUTTON EXTENSION	INDUCTION LOOP (2)			VIDEO
				STANDARD	DELAY/ EXTEND *	CALL UNIT *	
43	PHASE 4	1	1				
44	PHASE 4	1					
83	PHASE 8	1					
84	PHASE 8	1					
63	PHASE 6	1					
64	PHASE 6	1					
CONTINGENCY			1				
TOTAL		6	2				

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

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

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
#	#	3	#	#	#		#		#	06 PED	#

VEHICLE LOAD SWITCHES ARE EXISTING

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.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
2	R10-3E(L)	9 X 15	0.94	1.88	2
4	R10-3E(R)	9 X 15	0.94	3.76	4
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
	R10-11A	24 X 30	5.0		
			SUBTOTAL	5.64	6
			TOTAL	6	6

SIGNAL SHEET 22 OF 24 (RT 50/63 AT MONROE ST 4 OF 6)

INTERSECTION

D-37C

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED	
4/9/2025	
ROUTE VAR.	STATE MO
DISTRICT CD	SHEET NO. 86
COUNTY COLE/OSAGE	
JOB NO. JCD0126	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. —	

DESCRIPTION

DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

Hg Consult Inc engineers planners
7733 N. WALLACE AVE. • Kansas City, MO 64158: (816)912-4720

Hg CONSULT, INC.
ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

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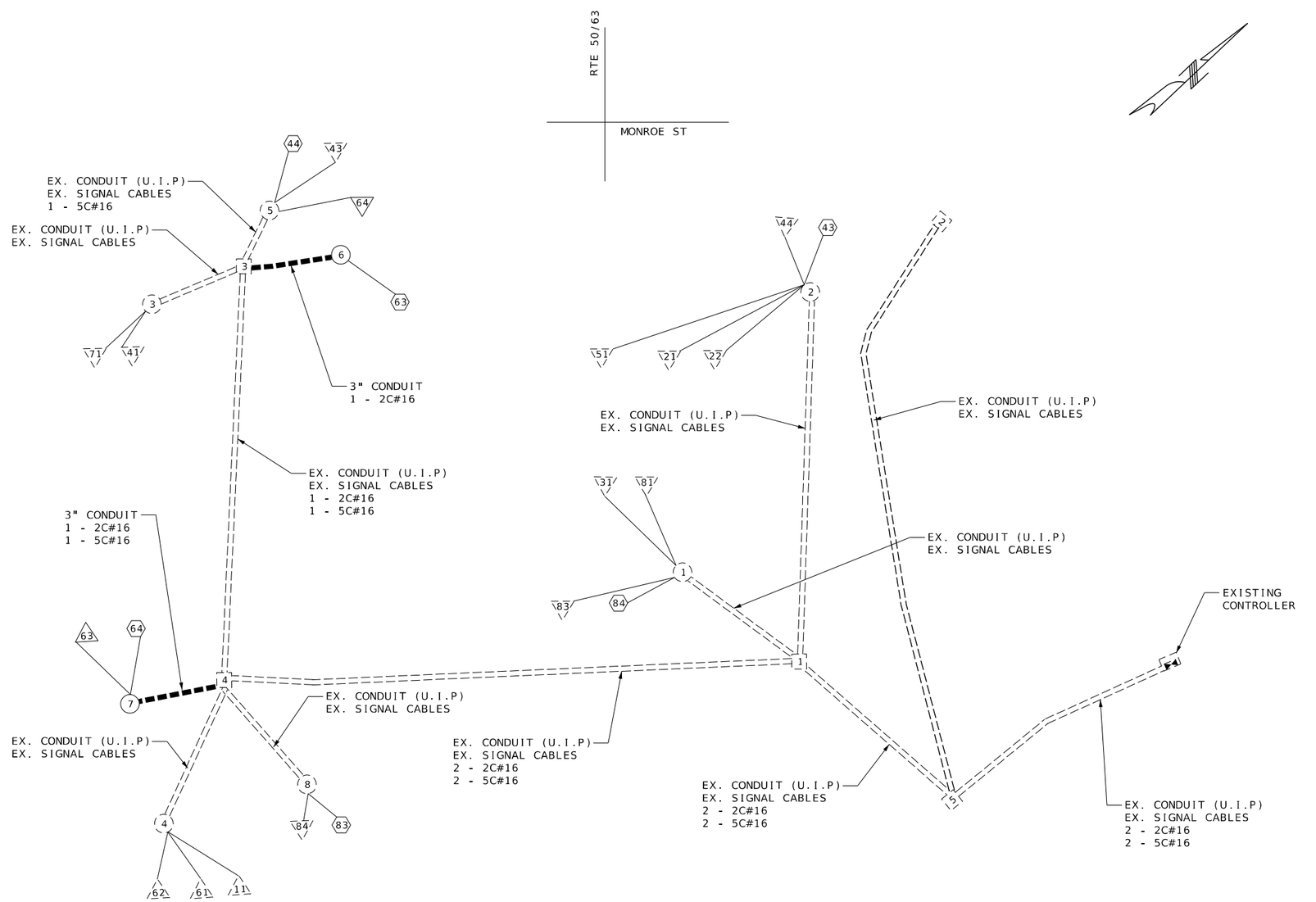
EFFECTIVE: xx-xx-xxxx

WIRING DIAGRAM



CABLES SHOWN ARE PROPOSED.
EXISTING CONUDUIT CONTAINS ADDITIONAL CABLES

LEGEND

	EXISTING CONDUIT
	CONDUIT TRENCHED
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST/MAST ARM WITH NUMBER
X	EXISTING PULL BOX WITH NUMBER
X	EXISTING POST/MAST ARM WITH NUMBER
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
X	EXISTING DETECTOR WITH NUMBER
X	EXISTING SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER

SIGNAL PLAN SHEET 23 OF 24
(RT 50/63 AT MONROE st. SHEET 5 OF 6)

INTERSECTION

D-37D

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED
4/9/2025

ROUTE	STATE
VAR.	MO
DISTRICT	SHEET NO.
CD	87

COUNTY
COLE/OSAGE

JOB NO.
JCD0126

CONTRACT ID.

PROJECT NO.

BRIDGE NO.
–

DATE	DESCRIPTION

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

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ANGELA NELSON
PROFESSIONAL ENGINEER
PE-2024007465

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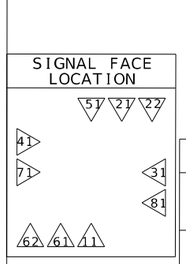
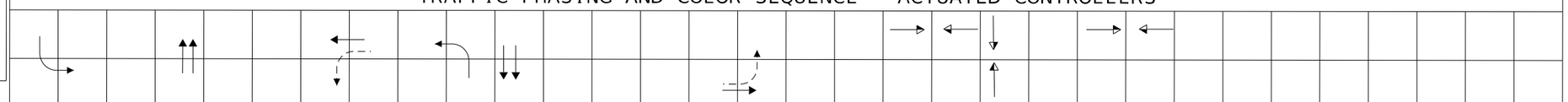
EFFECTIVE: xx-xx-xxxx

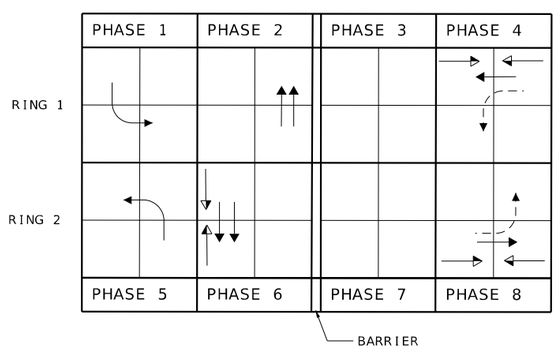
EFFECTIVE 12/01/2017



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS



		PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø2 OVERLAP	PED Ø4 OVERLAP	PED Ø6 OVERLAP	PED Ø8 OVERLAP
FACE NUMBERS		11	21 22		71 41	51	61 62		31 81		43 44	64 63	84 83
SIGNAL INDICATIONS	R	RL	R R		R R	RL	R R		R R		DW DW	DW DW	DW DW
	Y	YL	Y Y		Y Y	YL	Y Y		Y Y		FDW FDW	FDW FDW	FDW FDW
	FYL												
	G	L	G G		G G	L	G G		G G		W W	W W	W W
DETECTOR ASSIGNMENTS													
DETECTOR ASSIGNMENTS (PEDS. ONLY)													
OVERLAP PARENT PHASES													



RING STRUCTURE

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

LEGEND

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

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

FLASHING OPERATION	
ALL APPROACHES	FR
	FY

CONTROLLER TYPE	EX.

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF RT 50/63

WITH MONROE ST

SIGNAL SHEET 24 OF 24
(MONROE ST SHEET 6 OF 6)

D-38E

STATE OF MISSOURI
ANGELA NELSON NUMBER PE-2024007465
PROFESSIONAL ENGINEER

DATE PREPARED	
4/9/2025	
ROUTE VAR.	STATE MO
DISTRICT CD	SHEET NO. 88
COUNTY COLE/OSAGE	
JOB NO. JCD0126	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. –	

DESCRIPTION

DATE

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