DESIGN DESIGNATION

A.A.D.T. - 2025 = 12,500

A.A.D.T. - 2045 = 15,260

V = 30-35 M.P.H.

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL

NO RIGHT OF WAY IS TO BE ACQUIRED FOR THIS PROJECT.

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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 (MH)	MH	
FIRE HYDRANT	HYD	
WATER VALVE (WV)	WV	
WATER METER (WM)	WM	
INLET	D	
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE (LP)		
POWER POLE (PP)		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	-V-	
WOVEN WIRE	-X-	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

DISPOSITION OF FEATURES

(USED IN PLANS)

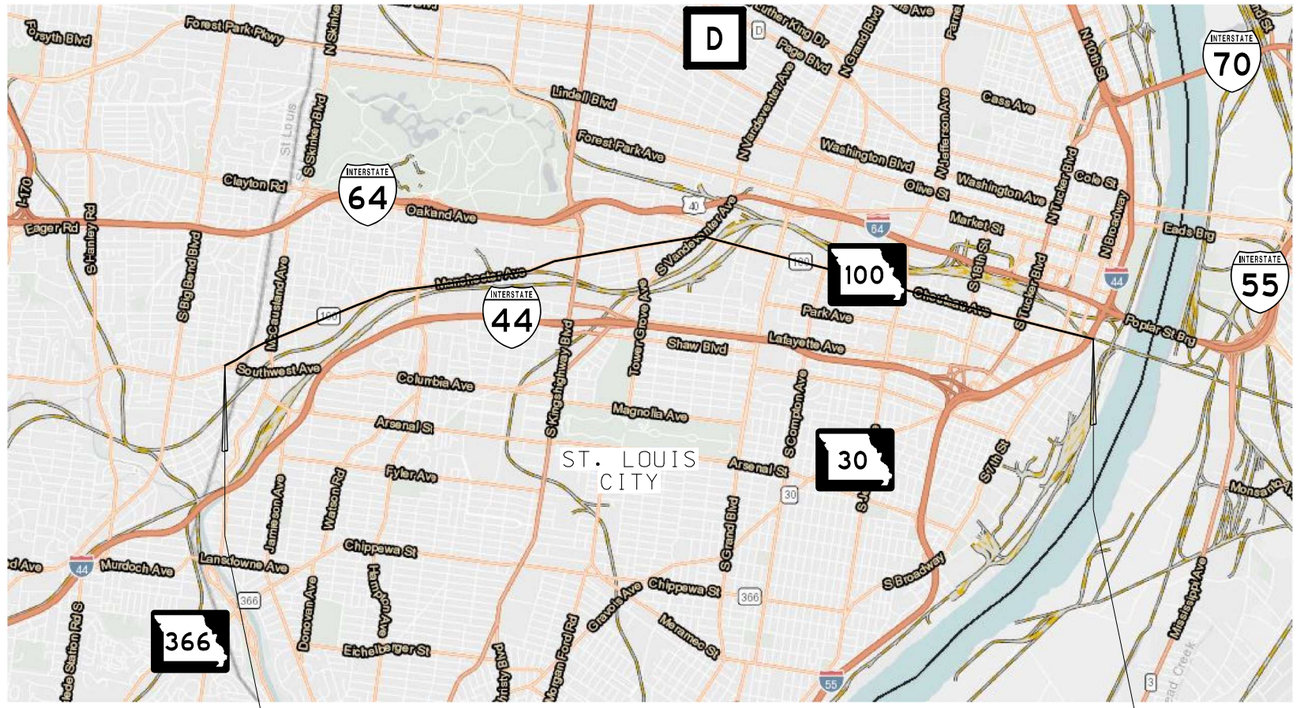
TEMPORARY	TEMP.
EXISTING	EX.
PROPOSED	PR.
REMOVE	R
REMOVE & REPLACE	RR
REMOVE & RELOCATE	R&RELOC
REMOVE & RELOCATE BY OTHERS	R&RELOCBO
DO NOT DISTURB	DND
USE IN PLACE	UIP
ADJUST TO GRADE	ATG

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PRELIMINARY PLANS FOR PROPOSED STATE HIGHWAY

ST. LOUIS CITY

NOT TO SCALE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Washington Blvd
Olive St
Washington Ave
Market St
Chouteau Ave
Park Ave
Lafayette Ave
Shaw Blvd
Magnolia Ave
Arsenal St
Flyer Ave
Chippewa St
Lansdowne Ave
Murdoch Ave
Oakland Ave
Claylon Rd
Eager Rd
Southwest Ave
Columbia Ave
Case Ave
Cole St
Eads Bldg
Poplar St Bridge
S Broadway
S Compton Ave
S Grand Blvd
S Jefferson Ave
S Vandeventer Ave
S Kingshighway Blvd
S Skinker Blvd
S Big Bend Blvd
S Tucker Blvd
N Tucker Blvd
N Broadway
N Jefferson Ave
N Vandeventer Ave
N Grand Blvd
Page Blvd
Martin Luther King Dr
Grattan St
Gravois Ave
Morrison St
Missouri Ave
Mississippi Ave
Tower Grove Ave
Jamieson Ave
Watson Rd
Donovan Ave
Ellendale Ave
Eichelberger St
Morganford Rd
Kingshighway Blvd
Mc Causland Ave
St Louis Ave
St Vanlaiy Rd
Gravois Rd
Jefferson Barracks Bridge Rd
Broadway
Mississippi River
Mississippi River Flood Wall
Mississippi River Levee
Mississippi River Revetment
Mississippi River Training Wall
Mississippi River Wing Dike
Mississippi River Wing Dike Submerged
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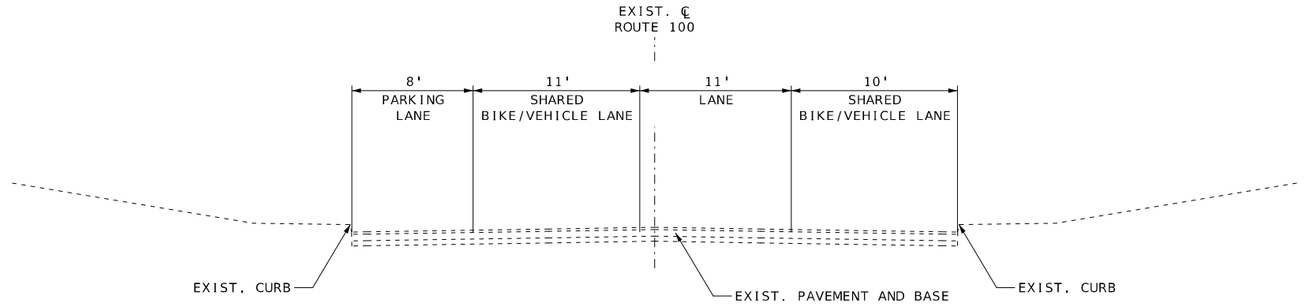
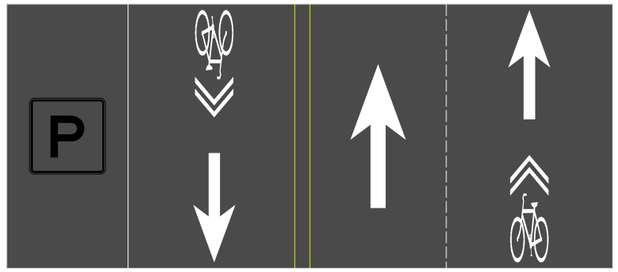
EXISTING TYPICAL SECTION

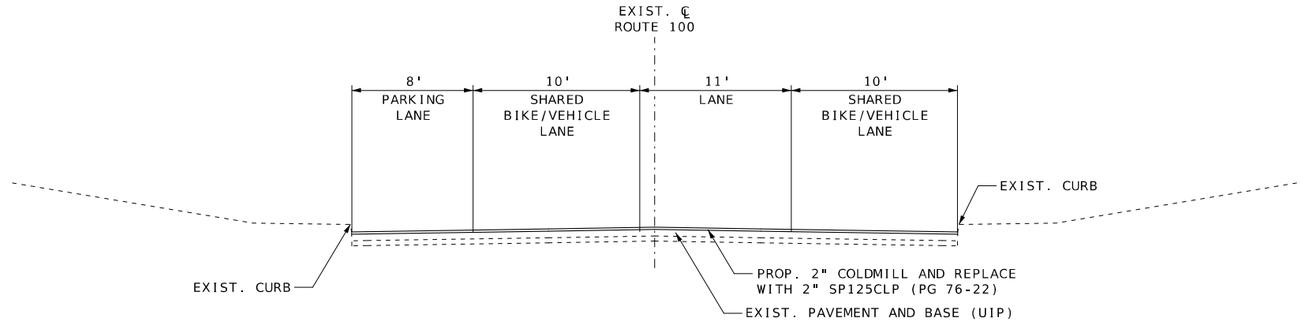


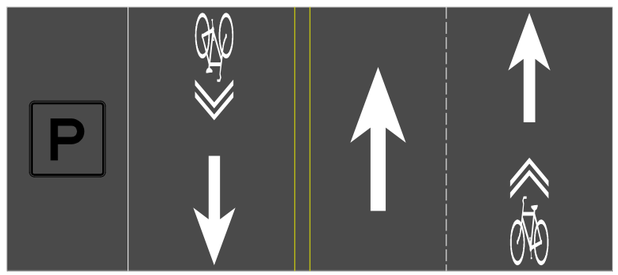


ROUTE 100 EXISTING TYPICAL SECTION

ST. LOUIS CITY LIMITS TO MCCAUSLAND AVENUE (40' TYP. WIDTH)

PROPOSED TYPICAL SECTION





ROUTE 100 PROPOSED TYPICAL SECTION

ST. LOUIS CITY LIMITS TO MCCAUSLAND AVENUE (40' TYP. WIDTH)

ASPHALT APPLICATION RATE	
SP125CLP (PG76-22)	2.016 TON/CY
TACK COAT APPLICATION RATE	
EXISTING SURFACES	0.1 GAL/SY

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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DATE PREPARED: 3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	2

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
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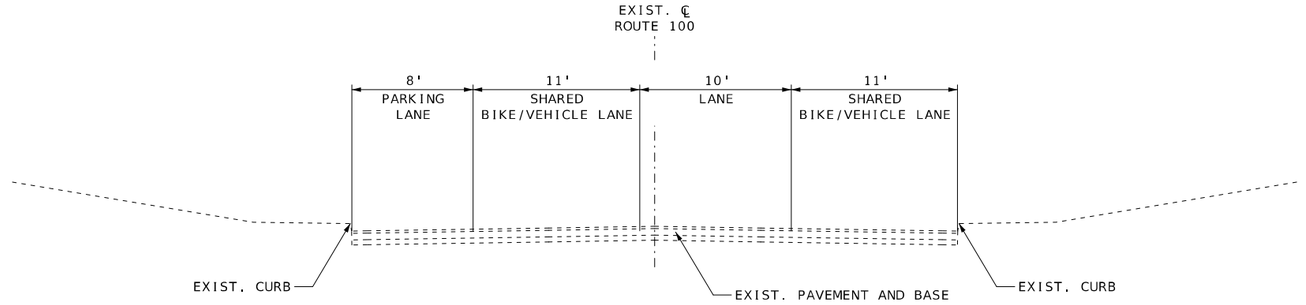
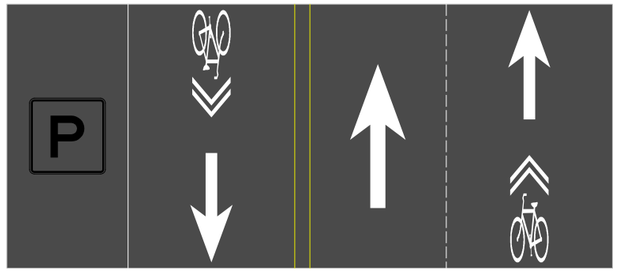
MISSOURI CERT. OF AUTHORITY: 001538

TYPICAL SECTIONS
ROUTE 100
SHEET 1 OF 9

EXISTING TYPICAL SECTION

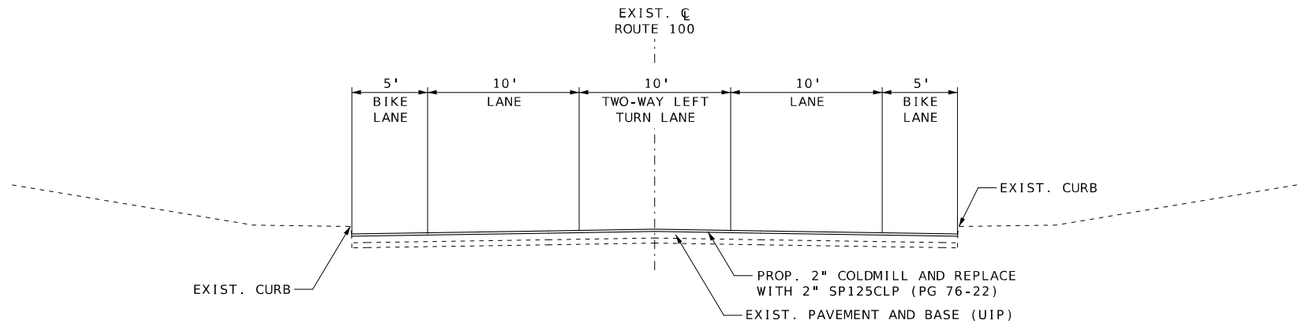


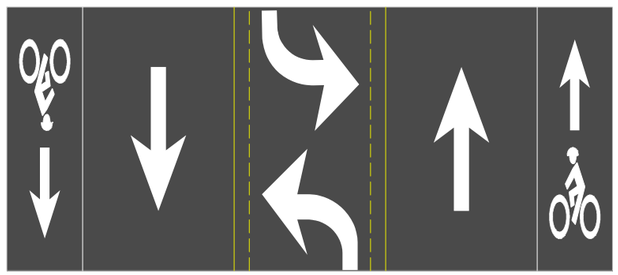


ROUTE 100 EXISTING TYPICAL SECTION

MCCAUSLAND AVENUE TO ECOFF AVENUE (40' TYP. WIDTH)

PROPOSED TYPICAL SECTION





ROUTE 100 PROPOSED TYPICAL SECTION

MCCAUSLAND AVENUE TO ECOFF AVENUE (40' TYP. WIDTH)

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KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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DATE PREPARED: 3/26/2025

ROUTE	STATE
100	MO

DISTRICT	SHEET NO.
SL	2

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

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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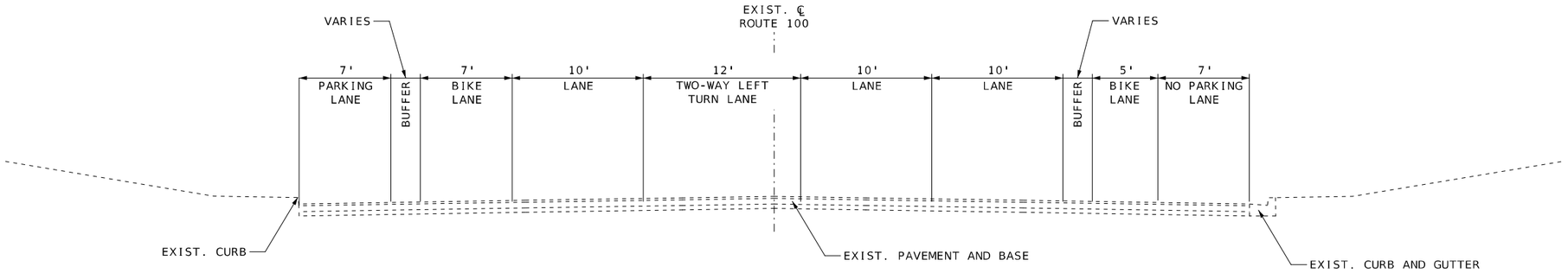
MISSOURI CERT. OF AUTHORITY: 001528

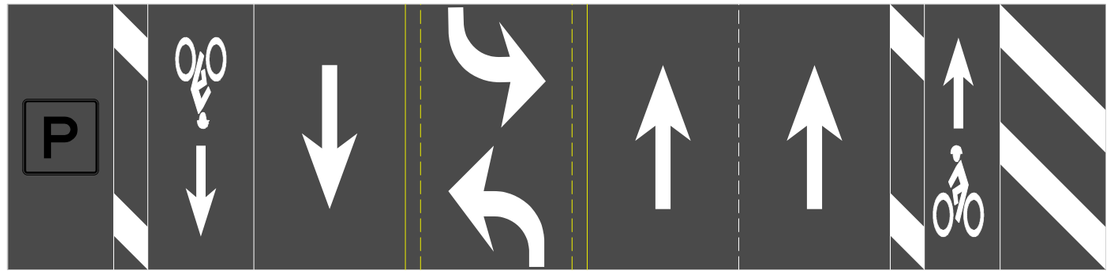
TYPICAL SECTIONS

ROUTE 100

SHEET 2 OF 9

EXISTING TYPICAL SECTION

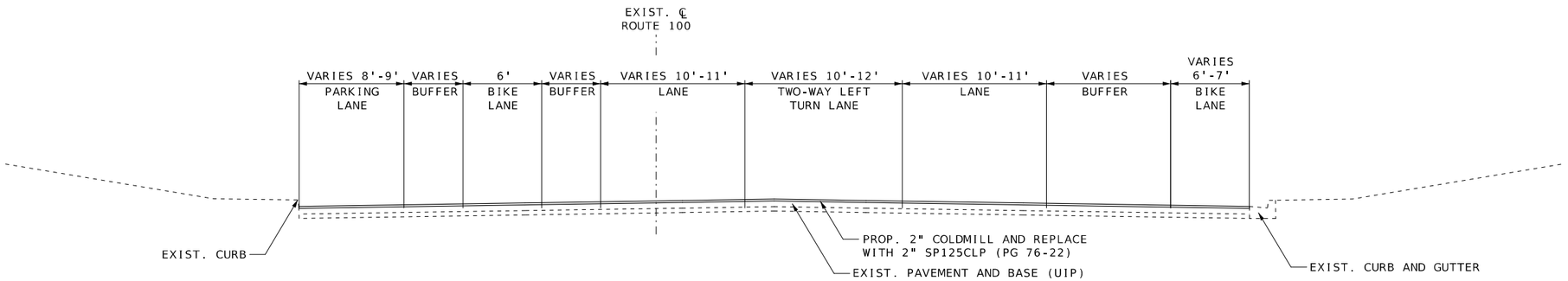


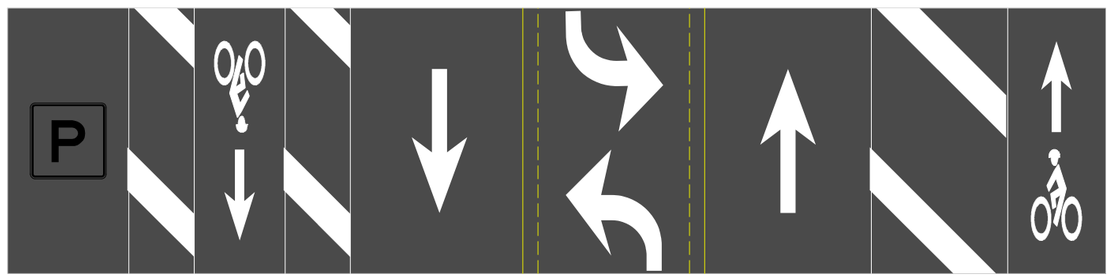


ROUTE 100 EXISTING TYPICAL SECTION

ECOFF AVENUE TO DALE AVENUE (72.5' TYP. WIDTH)

PROPOSED TYPICAL SECTION





ROUTE 100 PROPOSED TYPICAL SECTION

ECOFF AVENUE TO DALE AVENUE (72.5' TYP. WIDTH)

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PROFESSIONAL ENGINEER

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DATE PREPARED: 3/26/2025

ROUTE	STATE
100	MO

DISTRICT	SHEET NO.
SL	2

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

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DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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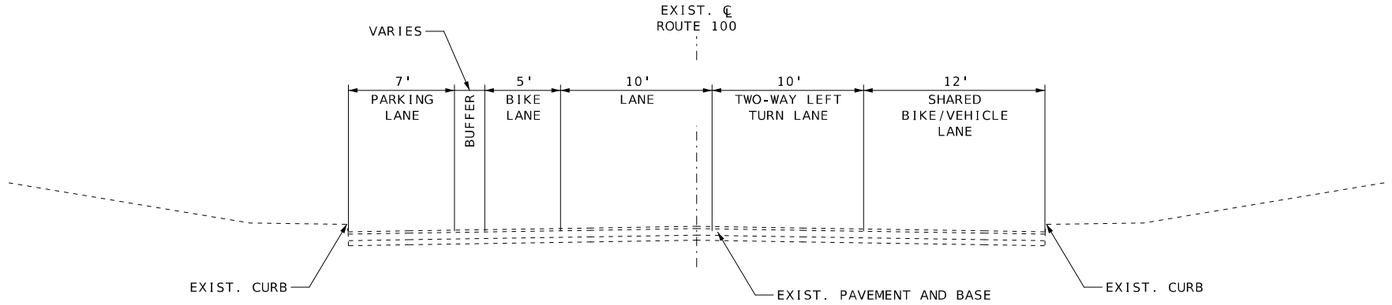
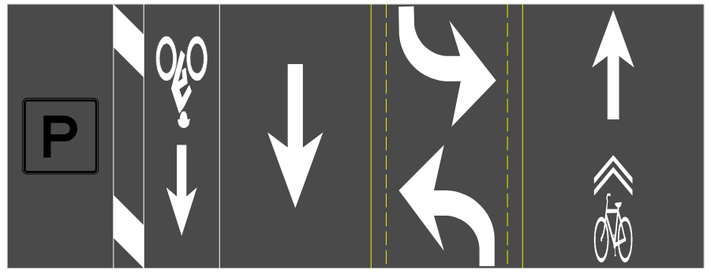
TYPICAL SECTIONS

ROUTE 100

SHEET 3 OF 9

EXISTING TYPICAL SECTION

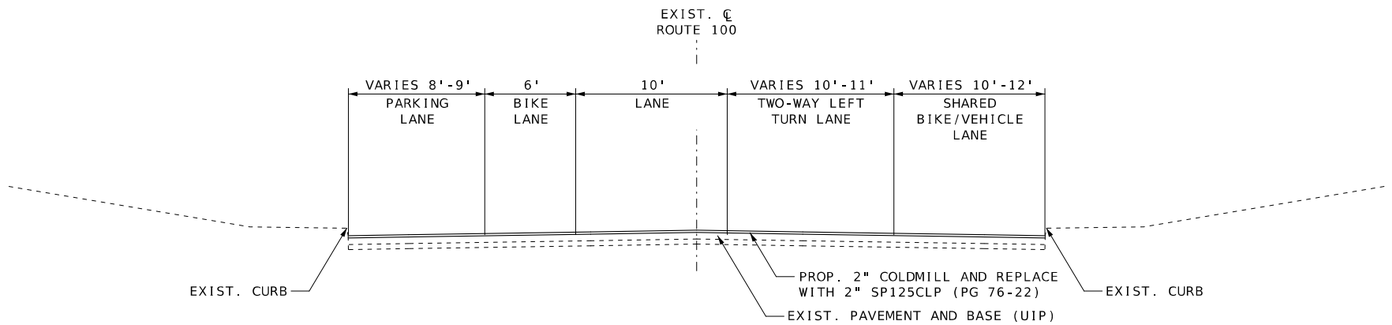


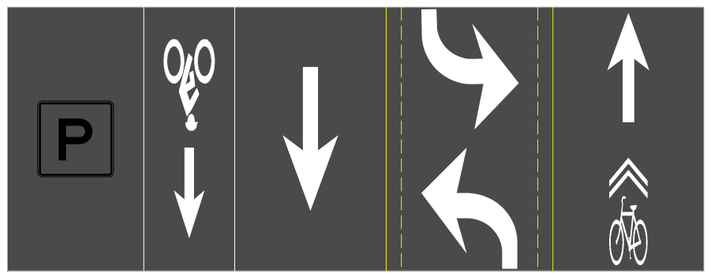


ROUTE 100 EXISTING TYPICAL SECTION

DALE AVENUE TO MACKLIND AVENUE (46' TYP. WIDTH)

PROPOSED TYPICAL SECTION





ROUTE 100 PROPOSED TYPICAL SECTION

DALE AVENUE TO MACKLIND AVENUE (46' TYP. WIDTH)

DISCLAIMER

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED: 3/26/2025

ROUTE	STATE
100	MO

DISTRICT	SHEET NO.
SL	2

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION	DATE

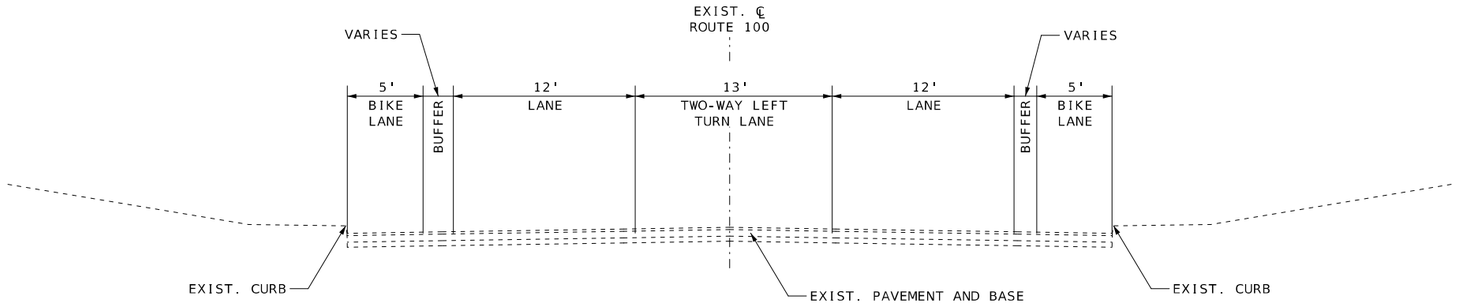
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

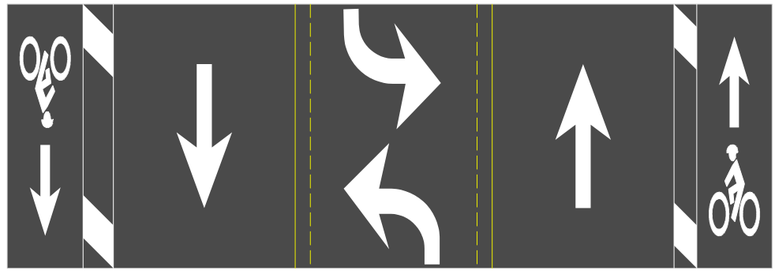
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

TYPICAL SECTIONS
ROUTE 100
SHEET 4 OF 9

EXISTING TYPICAL SECTION

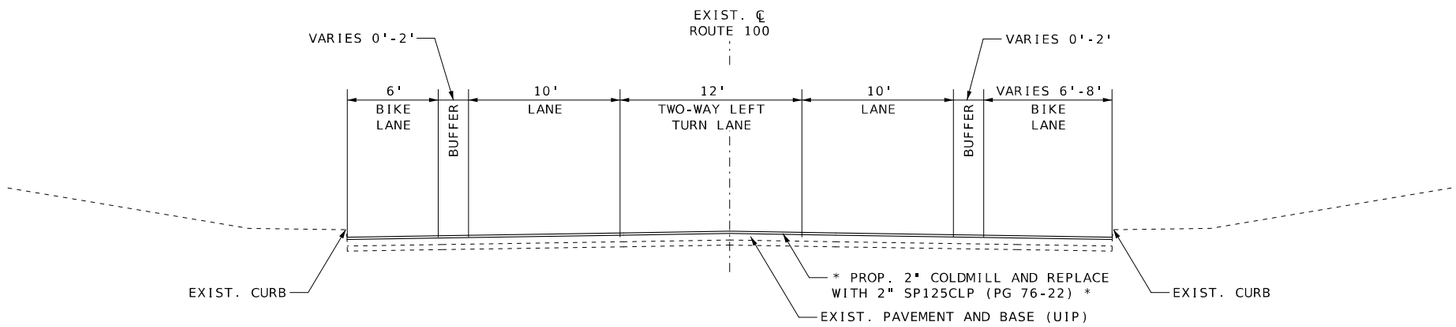


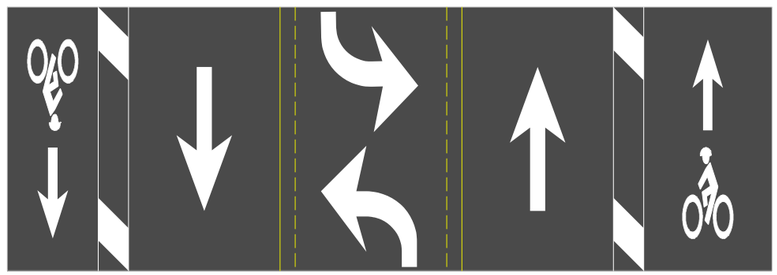


ROUTE 100 EXISTING TYPICAL SECTION

MACKLIND AVENUE TO TAYLOR AVENUE (50.5' TYP. WIDTH)

PROPOSED TYPICAL SECTION





ROUTE 100 PROPOSED TYPICAL SECTION

MACKLIND AVENUE TO TAYLOR AVENUE (50.5' TYP. WIDTH)

* NOTE: STA. 1139+79.53 TO STA. 1141+76.21
THE INTERSECTION OF KINGSHIGHWAY BLVD. WILL BE OMITTED FROM ALL COLDMILLING AND PAVING OPERATIONS.
(SEE PLAN SHEET 7 OF 17 FOR MORE INFORMATION)

DISCLAIMER

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 2
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DESCRIPTION	DATE

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

TWM
ENGINEERING
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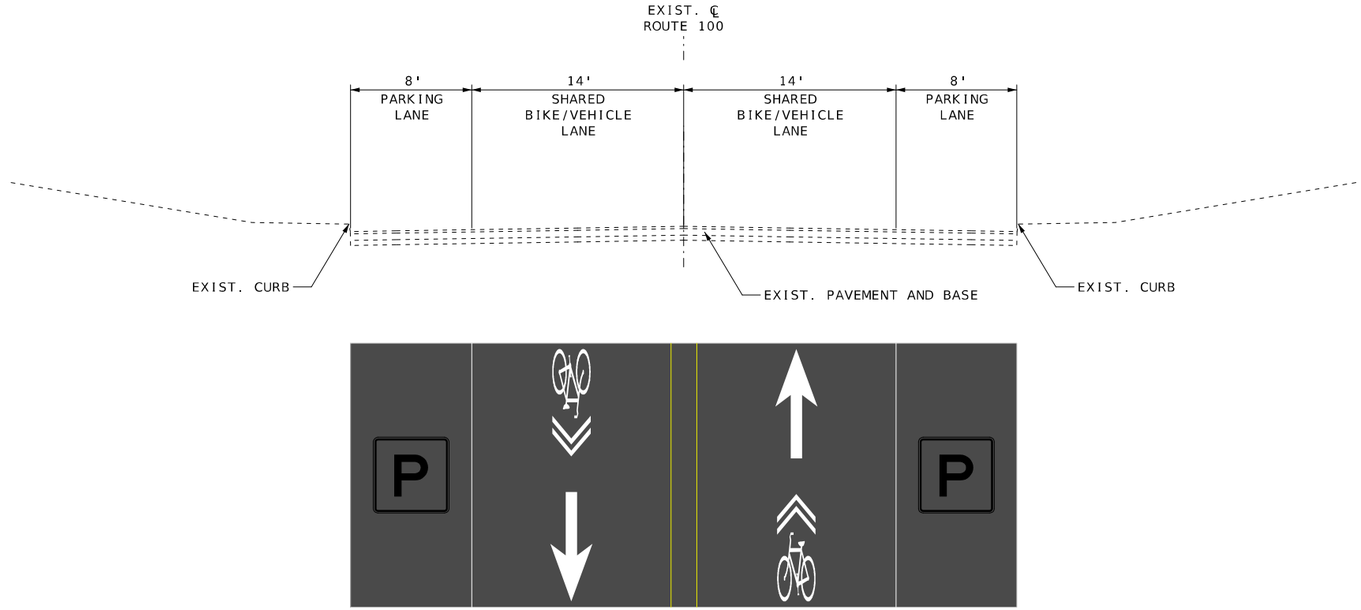
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

TYPICAL SECTIONS
ROUTE 100
SHEET 5 OF 9

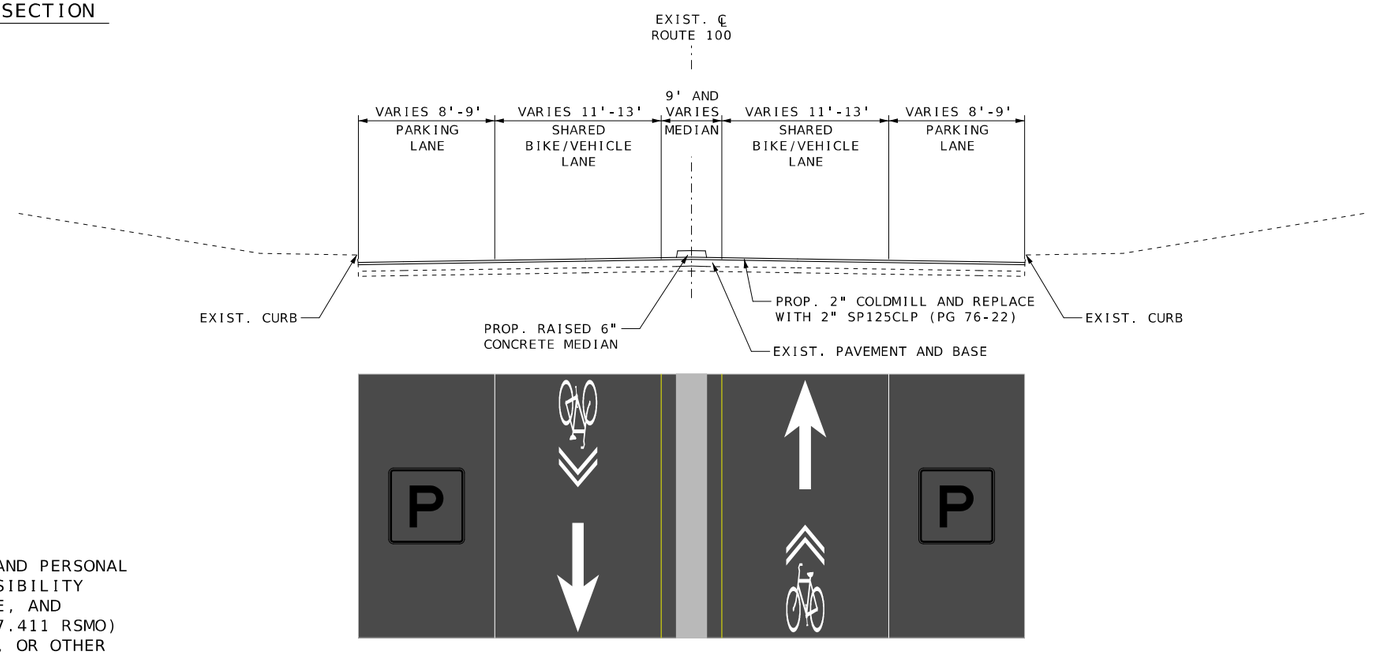
EXISTING TYPICAL SECTION



ROUTE 100 EXISTING TYPICAL SECTION

TAYLOR AVENUE TO VANDEVENTER AVENUE (44' TYP. WIDTH)

PROPOSED TYPICAL SECTION



ROUTE 100 PROPOSED TYPICAL SECTION

TAYLOR AVENUE TO VANDEVENTER AVENUE (44' TYP. WIDTH)

DISCLAIMER

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 2
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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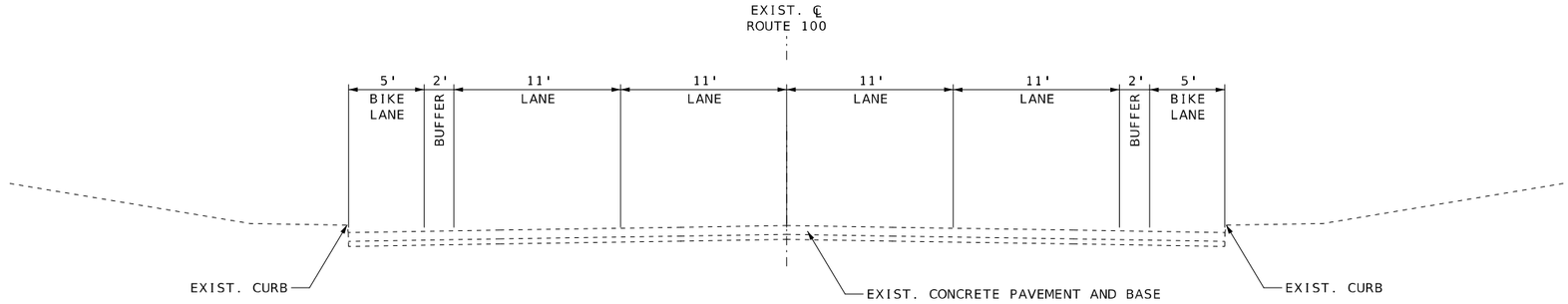
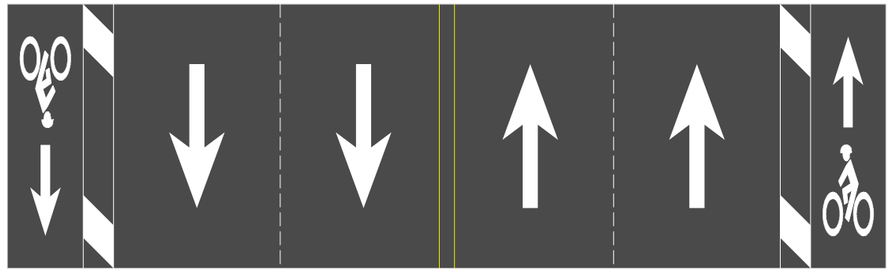
TYPICAL SECTIONS
ROUTE 100
SHEET 6 OF 9

EXISTING TYPICAL SECTION

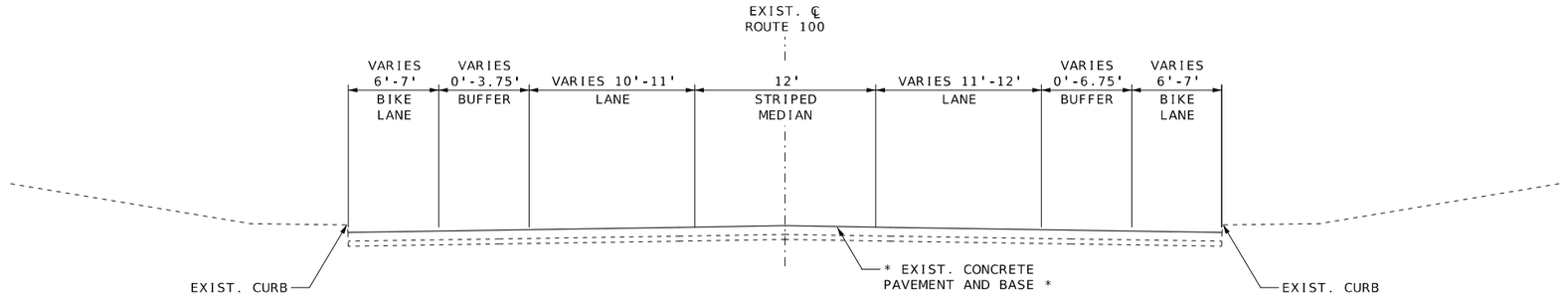


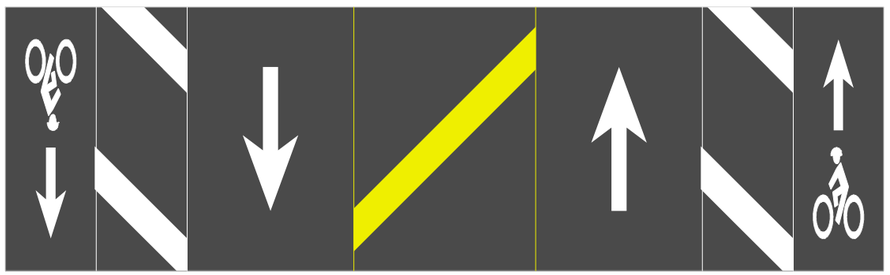


ROUTE 100 EXISTING TYPICAL SECTION

VANDEVENTER AVENUE TO 39TH STREET (55' TYP. WIDTH)

PROPOSED TYPICAL SECTION





ROUTE 100 PROPOSED TYPICAL SECTION

VANDEVENTER AVENUE TO 39TH STREET (55' TYP. WIDTH)

* NOTE: STA. 1191+63.11 TO STA. 1209+43.53
THE EXISTING CONCRETE PAVEMENT WILL BE USED IN PLACE AND BE OMITTED FROM ALL COLDMILLING AND PAVING OPERATIONS.
(SEE PLAN SHEETS 9 & 10 OF 17 FOR MORE INFORMATION)

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/26/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 2
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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TWM ENGINEERING GEOSPATIAL SERVICES
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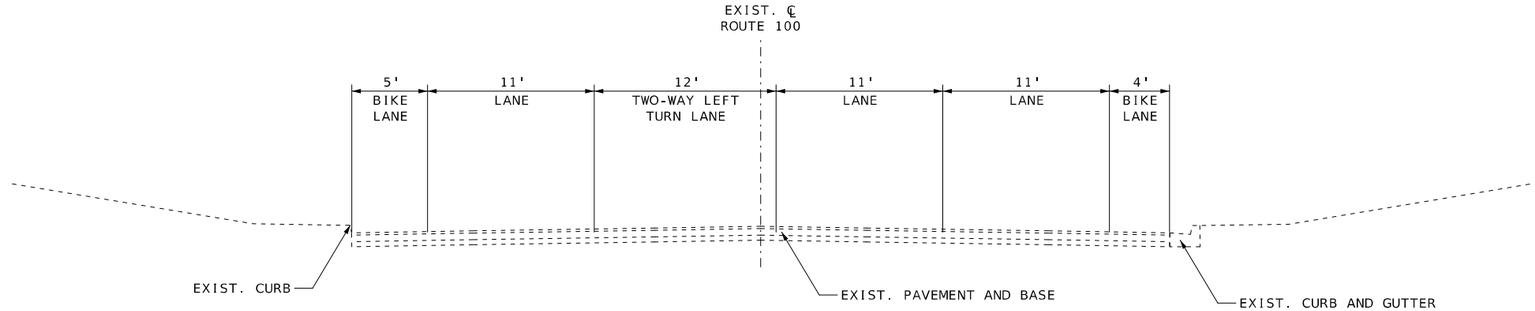
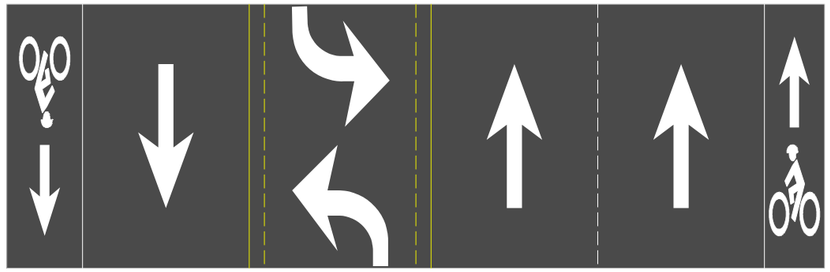
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

TYPICAL SECTIONS
ROUTE 100
SHEET 7 OF 9

EXISTING TYPICAL SECTION

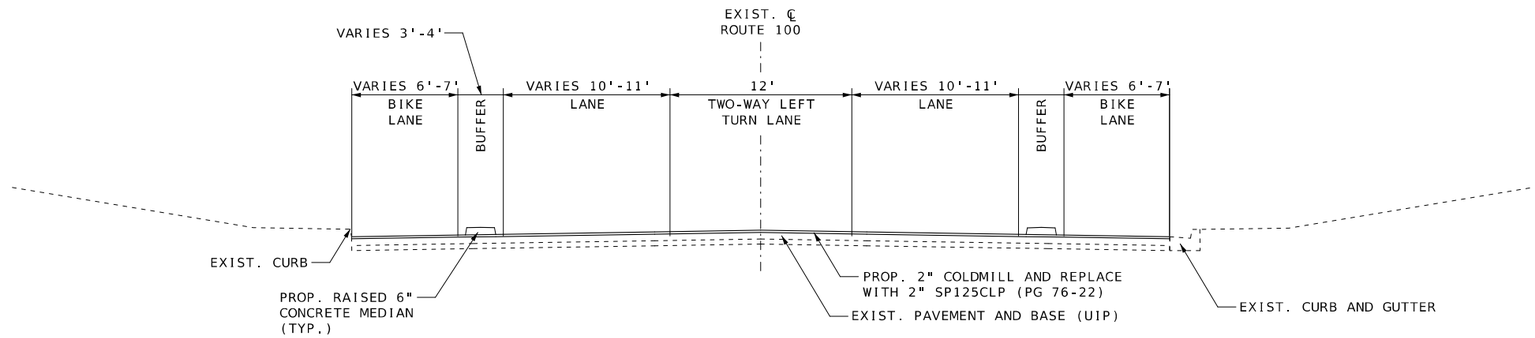


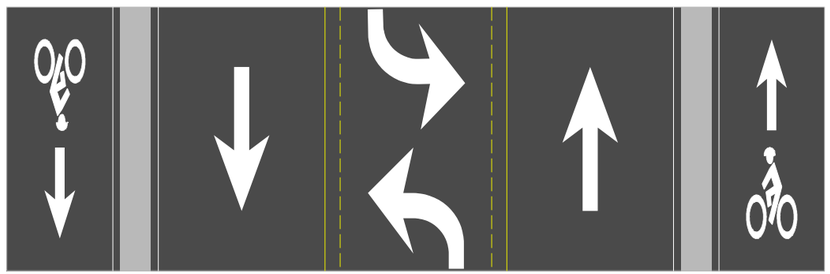


ROUTE 100 EXISTING TYPICAL SECTION

39TH STREET TO GRAND BOULEVARD (54' TYP. WIDTH)

PROPOSED TYPICAL SECTION





ROUTE 100 PROPOSED TYPICAL SECTION

39TH STREET TO GRAND BOULEVARD (54' TYP. WIDTH)

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 2
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DESCRIPTION	DATE

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

TWM ENGINEERING GEOSPATIAL SERVICES
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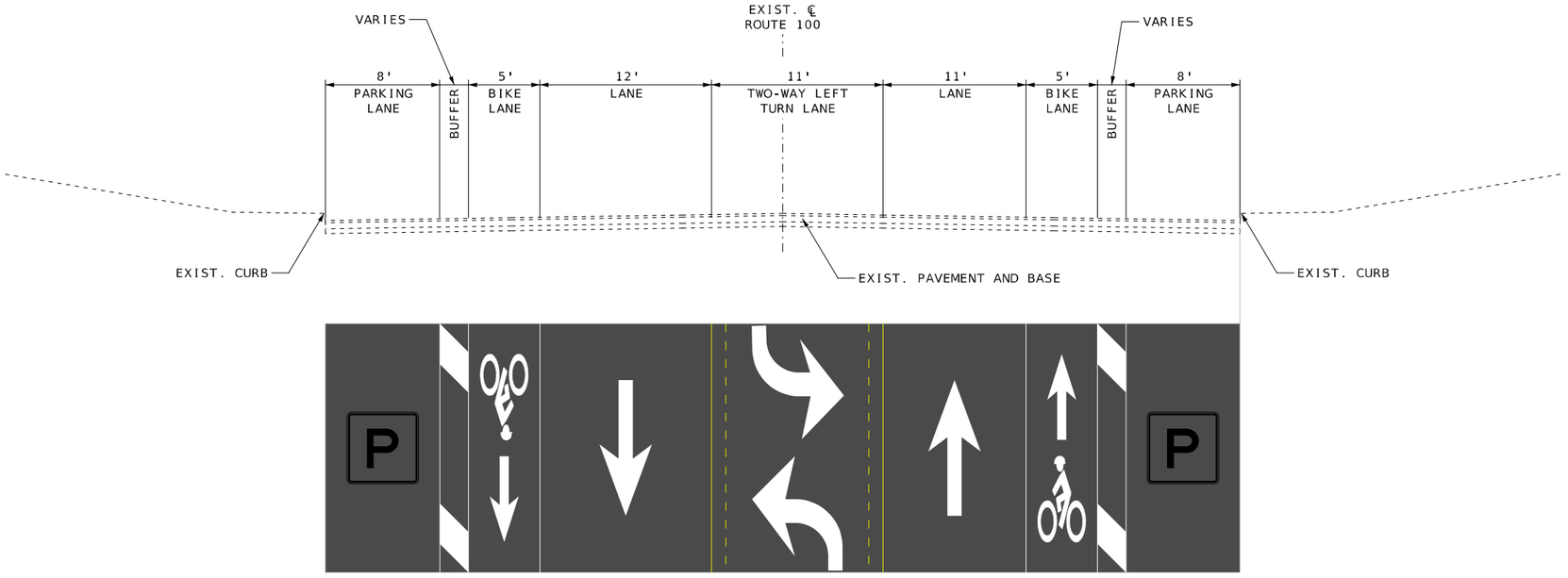
MISSOURI CERT. OF AUTHORITY: 001538

TYPICAL SECTIONS
ROUTE 100
SHEET 8 OF 9

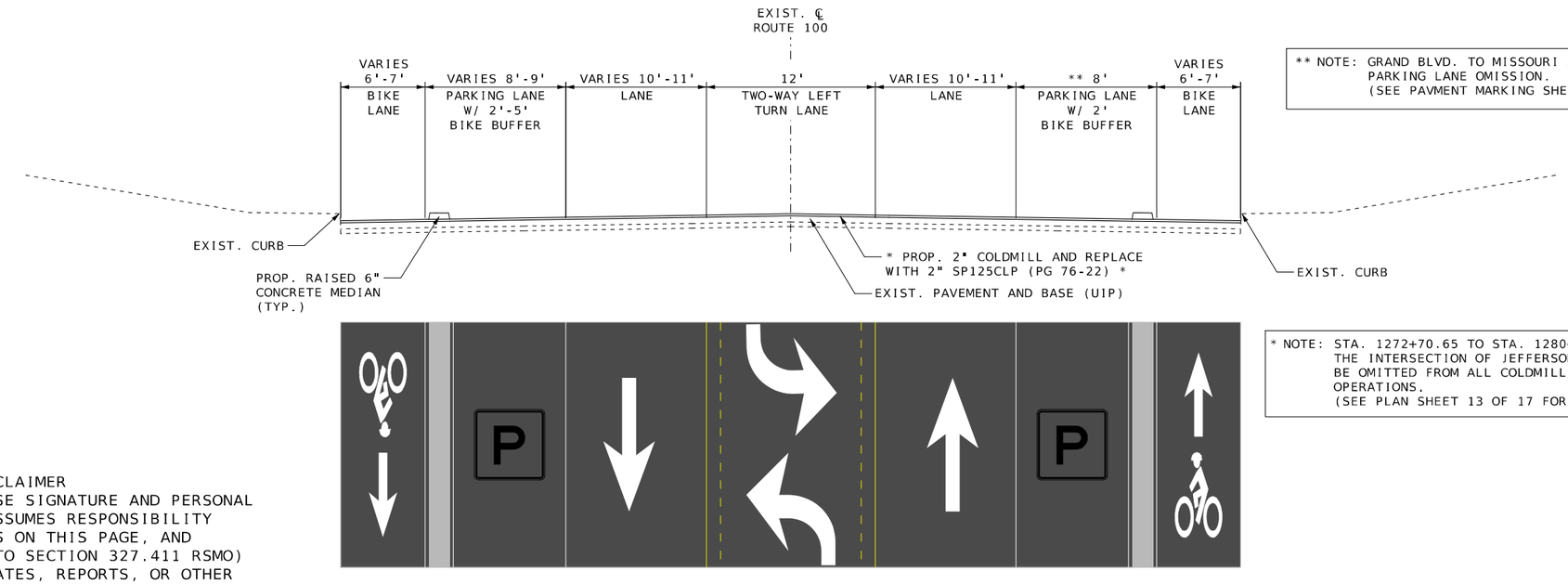
EXISTING TYPICAL SECTION



ROUTE 100 EXISTING TYPICAL SECTION

GRAND BOULEVARD TO I-55 (64' TYP. WIDTH)

PROPOSED TYPICAL SECTION



** NOTE: GRAND BLVD. TO MISSOURI AVE.
PARKING LANE OMISSION.
(SEE PAVMENT MARKING SHEETS FOR MORE INFORMATION)

* NOTE: STA. 1272+70.65 TO STA. 1280+54.64
THE INTERSECTION OF JEFFERSON AVE. WILL
BE OMITTED FROM ALL COLDMILLING AND PAVING
OPERATIONS.
(SEE PLAN SHEET 13 OF 17 FOR MORE INFORMATION)

ROUTE 100 PROPOSED TYPICAL SECTION

GRAND BOULEVARD TO I-55 (64' TYP. WIDTH)

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025

ROUTE	STATE
100	MO

DISTRICT	SHEET NO.
SL	2

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

TYPICAL SECTIONS

ROUTE 100

SHEET 9 OF 9

REMOVAL ITEMS

SHEET	ROUTE	COLDMILLING BITUMINOUS PAV'T (3" OR LESS) (SY)	FOR INFORMATION ONLY: CURB AND GUTTER REMOVAL (LF)	PAVEMENT REMOVAL (SY)	CURB REMOVAL (LF)	SIDEWALK REMOVAL (SF)	MEDIAN REMOVAL (SF)	RECT. RAPID FLASHING BEACON REMOVAL (EACH)	PAVEMENT MARKING REMOVAL (LF)	PAVEMENT MARKING REMOVAL SYMBOLS (EACH)	SIGNAL EQUIPMENT REMOVAL	REMARKS
PN-1	ROUTE 100	7343.9	-	-	-	-	-	-	-	-	-	
PN-2	ROUTE 100	15617.3	-	-	-	-	-	-	-	-	-	
PN-3	ROUTE 100	14436.9	-	-	-	-	-	-	-	-	-	
PN-4	ROUTE 100	11303.9	-	-	-	-	-	-	-	-	-	
PN-5	ROUTE 100	11254.1	-	-	-	-	-	-	-	-	-	
PN-6	ROUTE 100	11176.7	-	-	-	-	-	-	-	-	-	
PN-7	ROUTE 100	11903.7	-	-	-	-	-	-	-	-	-	
PN-8	ROUTE 100	11271.4	-	10.0	-	-	-	2	-	-	-	GEOM. DET.-3
PN-9	ROUTE 100	12583.9	-	110.0	45	500	623	2	275	-	-	GEOM. DET.-2, 4, 5, 6, & 8
PN-10	ROUTE 100	3123.8	-	-	-	-	-	-	9182	17	-	
PN-11	ROUTE 100	14710.1	-	21.0	42	294	-	-	-	-	-	GEOM. DET.-12
PN-12	ROUTE 100	15626.4	-	39.0	95	609	-	-	-	-	-	GEOM. DET.-15, 16, & 19
PN-13	ROUTE 100	10075.2	-	40.0	152	940	-	2	-	-	-	GEOM. DET.-23 & 26
PN-14	ROUTE 100	15391.0	-	80.0	179	1285	411	6	-	-	-	GEOM. DET.-29, 30, 32, 35, & 38
PN-15	ROUTE 100	15573.6	-	22.0	64	503	-	2	-	-	-	GEOM. DET.-41
PN-16	ROUTE 100	15213.3	-	81.0	280	2003	-	6	-	-	-	GEOM. DET.-44, 45, 48, 51, & 54
PN-17	ROUTE 100	5228.8	-	15.0	-	-	-	1	-	-	-	GEOM. DET.-55
SG-53	ROUTE 100	-	-	-	-	-	-	-	-	-	-	SEE SG-53 FOR ITEMS INCLUDED
SUB-TOTAL		201834	0	418	857	6134	1034	21	9457	17	-	
PROVISIONAL		-	1000	-	-	-	-	-	-	-	-	CURB AND GUTTER REMOVAL AS DIRECTED BY ENGINEER
TOTAL		201834	1000	418	857	6134	1034	21	9457	17	-	
PAY TOTAL		201834	*	*	*	*	*	*	9457	17	-	

* COST INCLUDED IN REMOVAL OF IMPROVEMENTS

NOTE: SAWCUTS INCLUDED IN PAY ITEM FOR REMOVAL OF IMPROVEMENTS AT NO DIRECT PAY

ROADWAY ITEMS

SHEET	ROUTE	CURB AND GUTTER TYPE B (LF)	FULL DEPTH PAVEMENT REPAIRS (SY)	PARTIAL DEPTH PAVEMENT REPAIRS (SY)	ASPHALTIC CONCRETE MIXTURE PG76-22 (SP125CLP) (TONS)	TACK COAT NON-TRACKING TACK (GAL)	CONCRETE CURB TYPE S (LF)	6" CONCRETE MEDIAN (SY)	ADA CURB RAMP (EACH)	ADA SIDEWALK (EACH)	TYPE 5 AGGREGATE FOR BASE (6" THICK) (SY)	TRUNCATED DOMES (SF)	36" TUBULAR MARKER (EACH)	RRFB ASSEMBLY FRONT & REAR FACING (2 SIDED) (EACH)	REMARKS
PN-1	ROUTE 100	-	-	-	822.5	734.4	-	-	-	-	-	-	-	-	
PN-2	ROUTE 100	-	-	-	1749.1	1561.7	-	-	-	-	-	-	-	-	
PN-3	ROUTE 100	-	-	-	1616.9	1443.7	-	-	-	-	-	-	-	-	
PN-4	ROUTE 100	-	-	-	1266.0	1130.4	-	-	-	-	-	-	-	-	
PN-5	ROUTE 100	-	-	-	1260.5	1125.4	-	-	-	-	-	-	-	-	
PN-6	ROUTE 100	-	-	-	1251.8	1117.7	-	-	-	-	-	-	-	-	
PN-7	ROUTE 100	-	-	-	1333.2	1190.4	-	-	-	-	-	-	-	-	
PN-8	ROUTE 100	-	-	-	1262.4	1127.1	-	232	-	-	10	24	4	2	GEOM. DET.-1, 2 & 3
PN-9	ROUTE 100	-	69.2	-	1417.1	1265.3	-	693	3	-	110	108	15	8	GEOM. DET.-2, 4, 5, 7 & 8
PN-10	ROUTE 100	-	-	-	349.9	312.4	-	-	-	-	-	-	1	-	GEOM. DET.-9
PN-11	ROUTE 100	-	-	-	1647.5	1471.0	-	778	2	-	21	72	24	3	GEOM. DET.-9, 10, 11, 12, 13 & 14
PN-12	ROUTE 100	-	-	-	1750.2	1562.6	-	1058	4	-	39	144	32	6	GEOM. DET.-14, 15, 16, 17, 18, 20 & 21
PN-13	ROUTE 100	-	8.5	-	1129.4	1008.4	31	726	4	1	40	144	33	6	GEOM. DET.-22, 24, 25, 27 & 28
PN-14	ROUTE 100	-	26.6	-	1726.8	1541.8	-	1291	6	2	91	344	65	12	GEOM. DET.-28, 29, 30, 31, 33, 34, 36, 37 & 39
PN-15	ROUTE 100	-	-	-	1744.2	1557.4	-	605	2	1	22	96	39	3	GEOM. DET.-40, 42, 43 & 44
PN-16	ROUTE 100	-	32.9	-	1707.7	1524.8	20	774	7	3	81	345	47	9	GEOM. DET.-44, 46, 47, 49, 50, 52, 53 & 54
PN-17	ROUTE 100	-	-	-	585.6	522.9	-	136	-	-	15	64	8	2	GEOM. DET.-55 & 56
SUB-TOTAL		0	137	0	22621	20197	51	6293	28	7	429	1341	268	51	
PROVISIONAL		1000	2023	2023	-	-	-	-	40	-	-	-	-	-	ADDITIONAL CURB RAMPS AT SIGNALIZED INT. AS DIRECTED BY THE ENGINEER.
PAY TOTAL		1000	2160	2023	22621	20197	51	6293	68	7	429	1341	268	51	

REMOVAL OF IMPROVEMENTS = 1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING = 1 LUMP SUM

MOBILIZATION = 1 LUMP SUM

TEMPORARY TRAFFIC CONTROL = 1 LUMP SUM

OPTIONAL TEMPORARY PAVEMENT MARKING PAINT= 1 LUMP SUM

RTSD INSTALLATION = 1 LUMP SUM

ADJUSTING MANHOLE = 3 EACH

ADJUSTING BASIN OR INLET = 3 EACH

WATER (ADJUSTING WATER METER) = 36 EACH

SIGNET DBE REPORTING = 1 LUMP SUM (SEE JSP)

KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED 3/26/2025

ROUTE 100 | STATE MO

DISTRICT SL | SHEET NO. 3

COUNTY ST. LOUIS CITY

JOB NO. JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

SUMMARY OF QU

ROUTE 100

SHEET 1 OF 5

PERMANENT STRIPING

SHEET	ROADWAY	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS					PREF. THERMO. PAVEMENT MARKING				REMARKS
		6 IN. WHITE		4 IN. YELLOW			6 IN. WHITE	24 IN. WHITE SOLID		24 IN. YELLOW	
		SOLID (LF)	INTER. (LF)	SOLID (LF)	INTER. (LF)	DOUBLE (LF)	DOTTED (LF)	STOP BARS (LF)	DIAGONALS (LF)	SOLID (LF)	
PVT MK-1	ROUTE 100	492	598	-	-	600	110	-	-	-	
PVT MK-2	ROUTE 100	602	1037	182	81	1042	365	43	-	39	
PVT MK-3	ROUTE 100	4344	-	1505	1505	276	1355	62	513	-	
PVT MK-4	ROUTE 100	4295	-	1732	1732	150	1745	49	388	-	
PVT MK-5	ROUTE 100	5446	-	1466	1466	431	1605	45	664	105	
PVT MK-6	ROUTE 100	2189	-	2199	2199	-	482	-	17	-	
PVT MK-7	ROUTE 100	1951	-	1595	1595	137	344	29	-	-	
PVT MK-8	ROUTE 100	1964	-	1287	1287	301	403	47	-	-	
PVT MK-9	ROUTE 100	2100	-	2200	2200	-	100	-	-	-	
PVT MK-10	ROUTE 100	2057	-	1547	1547	148	240	32	-	-	
PVT MK-11	ROUTE 100	1825	-	1333	1331	285	524	57	-	-	
PVT MK-12	ROUTE 100	1697	-	2200	2200	-	948	-	54	-	
PVT MK-13	ROUTE 100	2907	-	2132	2132	34	1528	-	220	-	
PVT MK-14	ROUTE 100	3034	-	633	633	562	2059	84	102	-	
PVT MK-15	ROUTE 100	2072	-	508	-	967	-	79	9	76	
PVT MK-16	ROUTE 100	2224	-	-	-	1568	-	48	-	66	
PVT MK-17	ROUTE 100	2067	-	725	-	700	-	48	-	84	
PVT MK-18	ROUTE 100	2509	-	1198	-	289	359	105	16	32	
PVT MK-19	ROUTE 100	4076	122	-	-	2022	385	-	617	661	
PVT MK-20	ROUTE 100	2846	-	372	372	974	1656	123	275	215	
PVT MK-21	ROUTE 100	3193	-	1397	1397	300	1407	74	-	-	
PVT MK-22	ROUTE 100	3266	-	2200	2156	-	1772	-	-	-	
PVT MK-23	ROUTE 100	2513	-	1341	1297	301	2261	65	35	-	
PVT MK-24	ROUTE 100	3571	-	2200	2155	-	1551	-	-	-	
PVT MK-25	ROUTE 100	3440	-	2200	2111	-	1536	-	-	-	
PVT MK-26	ROUTE 100	861	45	631	631	-	378	-	138	-	
PVT MK-27	ROUTE 100	2839	390	2200	2111	-	1618	-	-	-	
PVT MK-28	ROUTE 100	4487	-	2200	2115	-	1272	-	-	-	
PVT MK-29	ROUTE 100	2697	-	1322	1258	300	2380	73	42	-	
PVT MK-30	ROUTE 100	2919	-	1357	1357	327	2187	76	-	-	
PVT MK-31	ROUTE 100	3020	-	1386	1298	123	2191	75	-	-	
PVT MK-32	ROUTE 100	3761	-	1419	1383	300	1703	76	-	-	
PVT MK-33	ROUTE 100	1337	-	360	338	394	1065	84	-	-	
FACTOR		1.00	0.25	1.00	0.25	2.00	0.25	1.00	1.00	1.00	
TOTAL LENGTH		88601.0	2192.0	43027.0	39887.0	12531.0	35529.0	1374.0	3090.0	1278.0	
ADJUSTED TOTAL		88601.0	548.0	43027.0	9971.8	25062.0	8882.3	1374.0	3090.0	1278.0	
SUB-TOTAL		89149.0		78060.8			8882.3	4464.0		1278.0	
PAY TOTAL		89149		78061			8882	4464		1278	

HARDENED CENTERLINE

SHEET	ROADWAY	4" HARDENED CENTERLINE	REMARKS
PVT MK-31	ROUTE 100	150	
PAY TOTAL		150	

KEVIN M. OSTERMILLER NUMBER PE-2015008160
PROFESSIONAL ENGINEER
STATE OF MISSOURI

DATE PREPARED 3/26/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

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MISSOURI CERT. OF AUTHORITY: 001528

SUMMARY OF QU
ROUTE 100
SHEET 2 OF 5

PERMANENT STRIPING

SHEET	ROADWAY	PREFORMED THERMOPLASTIC PAVEMENT MARKING														REMARKS
		LEFT ARROW (EACH)	RIGHT ARROW (EACH)	STRAIGHT ARROW (EACH)	COMBIN. STR/LT ARROW (EACH)	COMBIN. STR/RT ARROW (EACH)	LANE REDUCTION LT ARROW (EACH)	7' X 15" WHITE CONTINENT. (EACH)	7' X 30" WHITE CONTINENT. (EACH)	9' X 15" WHITE CONTINENT. (EACH)	9' X 30" WHITE CONTINENT. (EACH)	12" WHITE YIELD LINE TRIANGLES (EACH)	WORDS "BUS STOP AHEAD" (EACH)	BIKE SHARED LANE SYMBOL (EACH)	BIKE SYMBOL AND ARROW (EACH)	
PVT MK-1	ROUTE 100	-	-	-	-	-	-	-	-	-	-	-	-	6	-	
PVT MK-2	ROUTE 100	3	-	-	2	5	2	-	-	-	18	-	-	7	1	
PVT MK-3	ROUTE 100	8	2	2	-	-	-	-	-	-	13	-	-	-	11	
PVT MK-4	ROUTE 100	7	-	1	-	-	-	-	-	-	13	-	1	-	13	
PVT MK-5	ROUTE 100	5	-	1	-	-	-	-	-	-	13	-	2	-	14	
PVT MK-6	ROUTE 100	4	-	-	-	-	-	-	-	-	-	-	1	5	7	
PVT MK-7	ROUTE 100	7	-	1	-	1	-	-	-	-	9	-	1	5	6	
PVT MK-8	ROUTE 100	5	-	-	-	1	-	-	-	-	9	-	2	5	6	
PVT MK-9	ROUTE 100	6	-	-	-	-	-	-	-	-	-	-	-	3	4	
PVT MK-10	ROUTE 100	3	-	1	-	-	-	-	-	-	9	-	1	4	5	
PVT MK-11	ROUTE 100	6	1	2	-	-	-	-	-	-	9	-	1	1	10	
PVT MK-12	ROUTE 100	10	-	-	-	-	-	-	-	-	-	-	-	-	11	
PVT MK-13	ROUTE 100	12	-	-	-	-	-	-	-	-	-	-	2	-	12	
PVT MK-14	ROUTE 100	9	3	3	-	-	-	-	-	-	23	-	-	-	10	
PVT MK-15	ROUTE 100	3	-	1	-	3	-	-	-	-	37	-	-	10	-	
PVT MK-16	ROUTE 100	2	-	-	-	2	-	-	-	-	24	14	-	11	-	
PVT MK-17	ROUTE 100	4	-	1	-	2	-	-	-	-	32	42	-	11	-	
PVT MK-18	ROUTE 100	4	2	2	-	2	-	-	-	-	38	20	-	6	6	
PVT MK-19	ROUTE 100	1	2	1	-	-	-	-	-	-	-	-	-	-	10	
PVT MK-20	ROUTE 100	3	2	2	-	-	-	-	11	-	12	-	1	-	10	
PVT MK-21	ROUTE 100	8	2	2	-	-	-	-	25	-	-	-	2	-	10	
PVT MK-22	ROUTE 100	6	-	-	-	-	-	4	4	-	-	44	2	-	9	
PVT MK-23	ROUTE 100	6	2	2	-	-	-	-	-	4	30	40	2	-	11	
PVT MK-24	ROUTE 100	4	-	-	-	-	-	4	4	-	-	38	3	-	9	
PVT MK-25	ROUTE 100	6	-	-	-	-	-	8	8	-	-	57	1	-	9	
PVT MK-26	ROUTE 100	2	-	-	-	-	-	-	-	-	-	16	-	-	2	
PVT MK-27	ROUTE 100	8	-	-	-	-	-	8	8	-	-	74	2	-	9	
PVT MK-28	ROUTE 100	6	-	-	-	-	-	4	8	4	-	74	3	-	11	
PVT MK-29	ROUTE 100	6	2	2	-	-	-	4	4	-	26	32	2	-	10	
PVT MK-30	ROUTE 100	8	2	2	-	-	-	-	-	-	26	-	3	-	11	
PVT MK-31	ROUTE 100	4	2	2	-	-	-	8	16	-	26	60	2	-	9	
PVT MK-32	ROUTE 100	6	2	2	-	-	-	4	4	-	36	74	2	-	9	
PVT MK-33	ROUTE 100	3	1	3	-	-	-	-	-	-	30	22	1	2	5	
FACTOR		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
TOTAL LENGTH		175.0	25.0	33.0	2.0	16.0	2.0	44.0	92.0	8.0	433.0	607.0	37.0	76.0	250.0	
ADJUSTED TOTAL		175.0	25.0	33.0	2.0	16.0	2.0	44.0	92.0	8.0	433.0	607.0	37.0	76.0	250.0	
SUB-TOTAL		200.0		33.0	18.0		2.0	44.0	92.0	8.0	433.0	607.0	37.0	76.0	250.0	
PAY TOTAL		200		33	18		2	44	92	8	433	607	37	76	250	

KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI ★ PROFESSIONAL ENGINEER ★

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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
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SUMMARY OF QU
ROUTE 100
SHEET 3 OF 5

TRAFFIC SIGNALS								
LOCATION	RELOCATE SIGNAL HEAD ON SPAN WIRE	RELOCATE SIGNAL HEAD ON MAST ARM	RELOCATE LANE USE SIGN	SIGNAL SIGN	SIGNAL SIGN, MOUNTING HARDWARE	RECONFIGURATION OF VIDEO DETECTION ZONES	ONE-APPROACH CABINET MODIFICATION	REPLACE LENS*
	EA	EA	EA	SF	EA	EA	EA	EA*
RTE 100 @ MCCAUSLAND AVE				15	2			2
RTE 100 @ KINGSHIGHWAY BLVD	5		3			1		2
RTE 100 @ VANDEVENTER AVE		5				1		1
RTE 100 @ 39TH ST		3				1		
RTE 100 @ SPRING AVE	3			15	2	1		
RTE 100 @ GRAND AVE	2					1		
RTE 100 @ COMPTON	3			7.5	1	1		
RTE 100 @ TRUMAN		4				1		
RTE 100 @ 14TH ST		3				1		
RTE 100 @ 7TH ST	5					1	1	
RTE 100 @ BROADWAY ST	4					1		
RTE 100 @ 4TH ST	2	2				1		
TOTAL	**24**	**17**	**3**	**37.5**	**5**	**11**	**1**	**5***

* FOR INFORMATION ONLY, PAID AS LUMP SUM

REMOVE AND REPLACE BLANK-OUT SIGN	
LOCATION	BLANK-OUT SIGN
	EACH
RTE 100 @ KNOX AVE	2
RTE 100 @ SULPHUR AVE	2
RTE 100 @ SUBLETTE AVE	2
RTE 100 @ BARRON AVE	2
TOTAL	**8**

ACCESSIBLE PEDESTRIAN PUSHBUTTON AND SIGNING	
LOCATION	APS PED PUSH BUTTON
	EACH
RTE 100 @ JEFFERSON AVE	8
TOTAL	**8**

TRAFFIC SIGNAL MAINTENANCE & PROGRAMMING - 1 LUMP SUM (SEE JSP)

SUMMARY OF QUANTITIES
SHEET 4 OF 5

TERESA A. KRENNING NUMBER PE-027536
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED 3/18/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

DESCRIPTION | DATE

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

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekdesigngroup.com
Missouri Cert. of Authority 2002010300
TREKK DESIGN GROUP, LLC

WARNING SIGNS

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00	18	288.00			15	REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00	18	288.00			15	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	8	128.00			11	BE PREPARED TO STOP
WO3-5	48X48	16.00						SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00	18	288.00			43	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	2	10.00			44a	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	100	1600.00			2	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	8	128.00			8	ONE LANE ROAD AHEAD
WO20-5	48X48	16.00	23	368.00			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00	36	576.00			6	RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00						FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	18	288.00			21	SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

GUIDE SIGNS

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	2	20.00			1	ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	2	16.00			26	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						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

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00						SPEED LIMIT XX
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25	12	75.00			58	LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00						SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00						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

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00	2	64.00			57	POINT OF PRESENCE
CONST-8	48X36	12.00	2	24.00			56	WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL 4161
616-10.10 RELOCATED SIGNS	TOTAL *

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

* NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING TRAFFIC CONTROL DEVICES.

** ITEM NOT INCLUDED IN TEMP. TRAFFIC CONTROL LUMP SUM BID ITEM.

SUMMARY OF QUANTITIES
SHEET 5 OF 5

EFFECTIVE: 07-01-2024

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123001		TRUCK MOUNTED ATTENUATOR (TMA)
6161008	2	ADVANCED WARNING RAIL SYSTEM
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	2800	CHANNELIZER (TRIM LINE)
6161030	46	TYPE III MOVEABLE BARRICADE
6161033		DIRECTION INDICATOR BARRICADE
6161040	12	FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A	4**	CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE- CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		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

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

STATE OF MISSOURI
TERESA A. KRENNING
NUMBER PE-027536
PROFESSIONAL ENGINEER

DATE PREPARED
4/8/2025

ROUTE	STATE
100	MO

DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

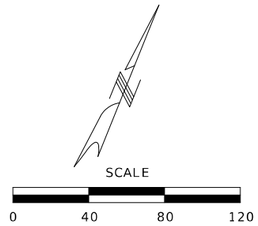
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MoDOT

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4855
Fax (816) 874-4875
www.trekdesigngroup.com

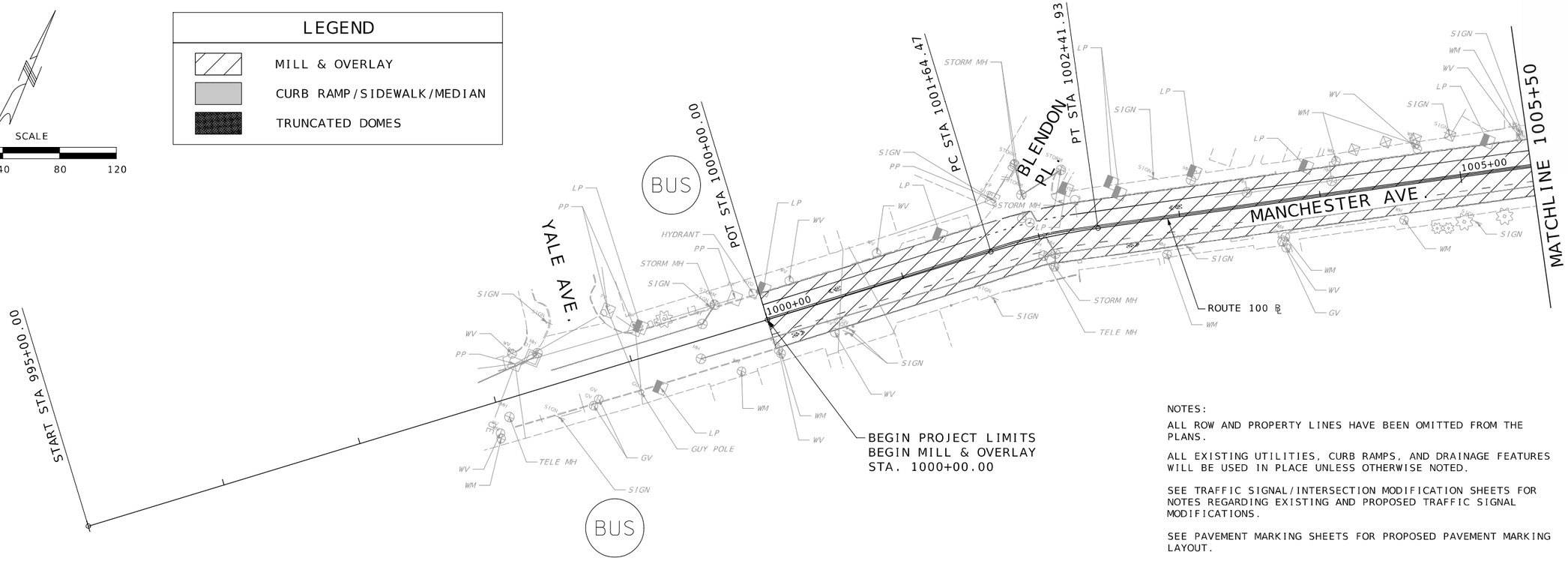
Missouri Cert. of Authority 2002010300

TREK DESIGN GROUP, LLC



LEGEND

- MILL & OVERLAY
- CURB RAMP/SIDEWALK/MEDIAN
- TRUNCATED DOMES



NOTES:

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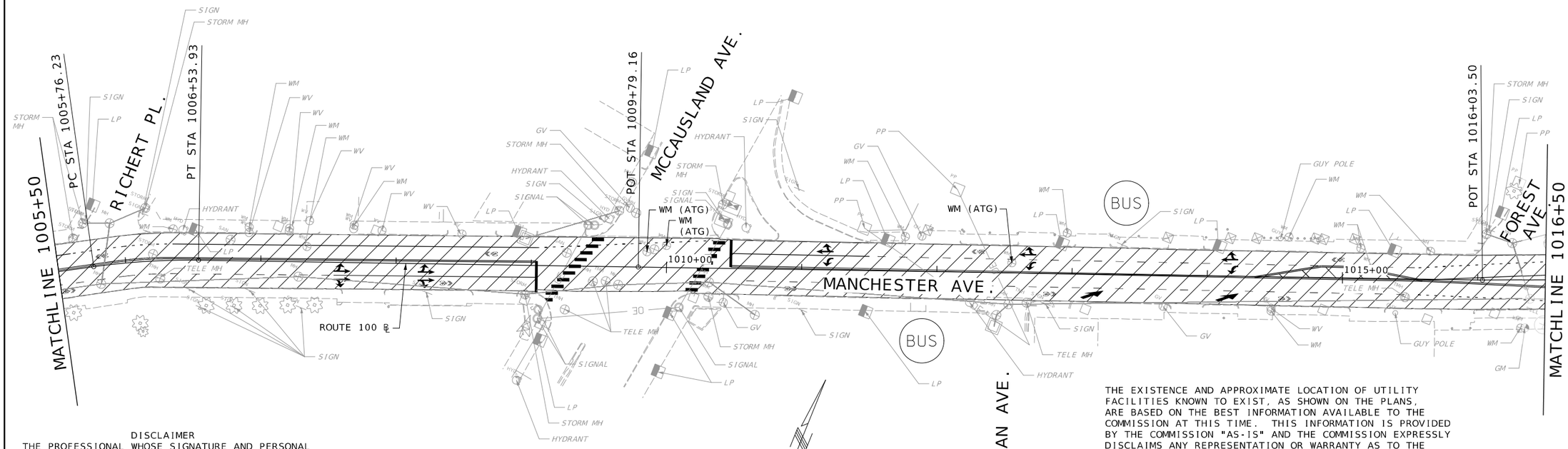

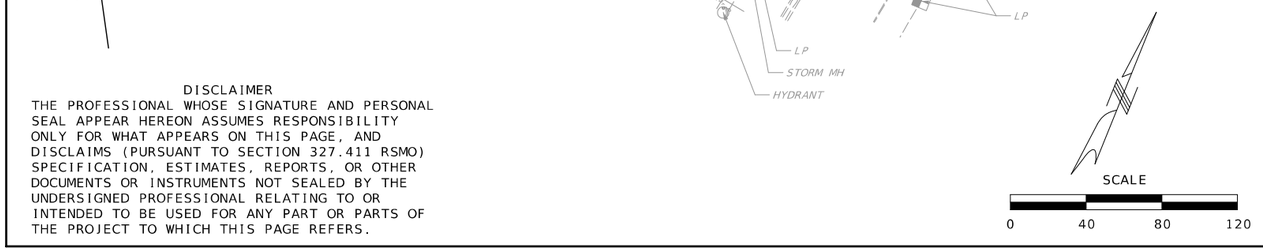

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 4
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

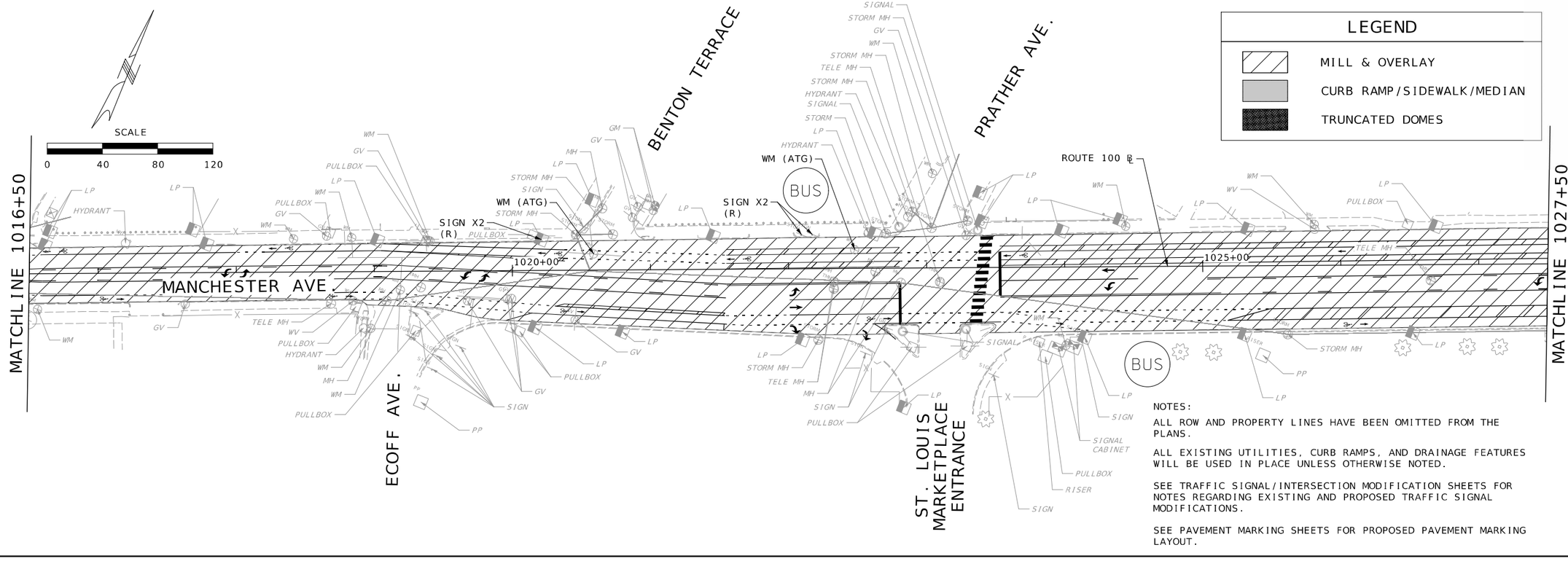
DESCRIPTION	DATE

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)

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PLAN SHEETS
ROUTE 100
SHEET 1 OF 17



LEGEND

- MILL & OVERLAY
- CURB RAMP/SIDEWALK/MEDIAN
- TRUNCATED DOMES

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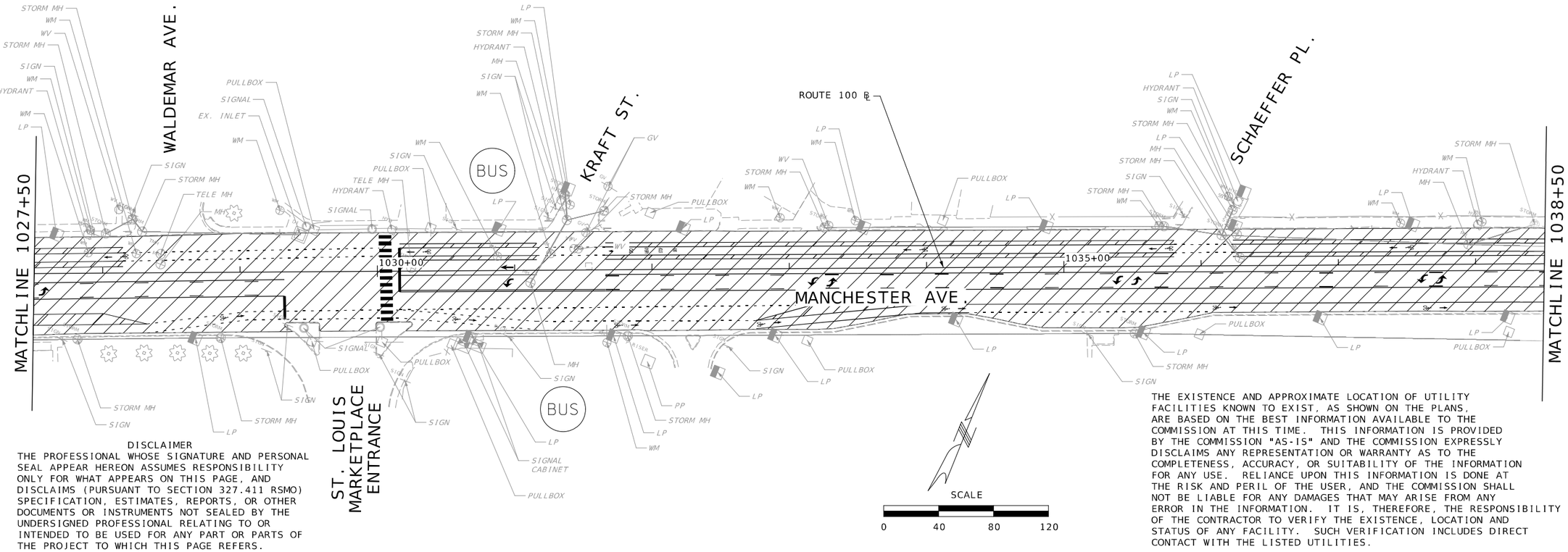

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 5
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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
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ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
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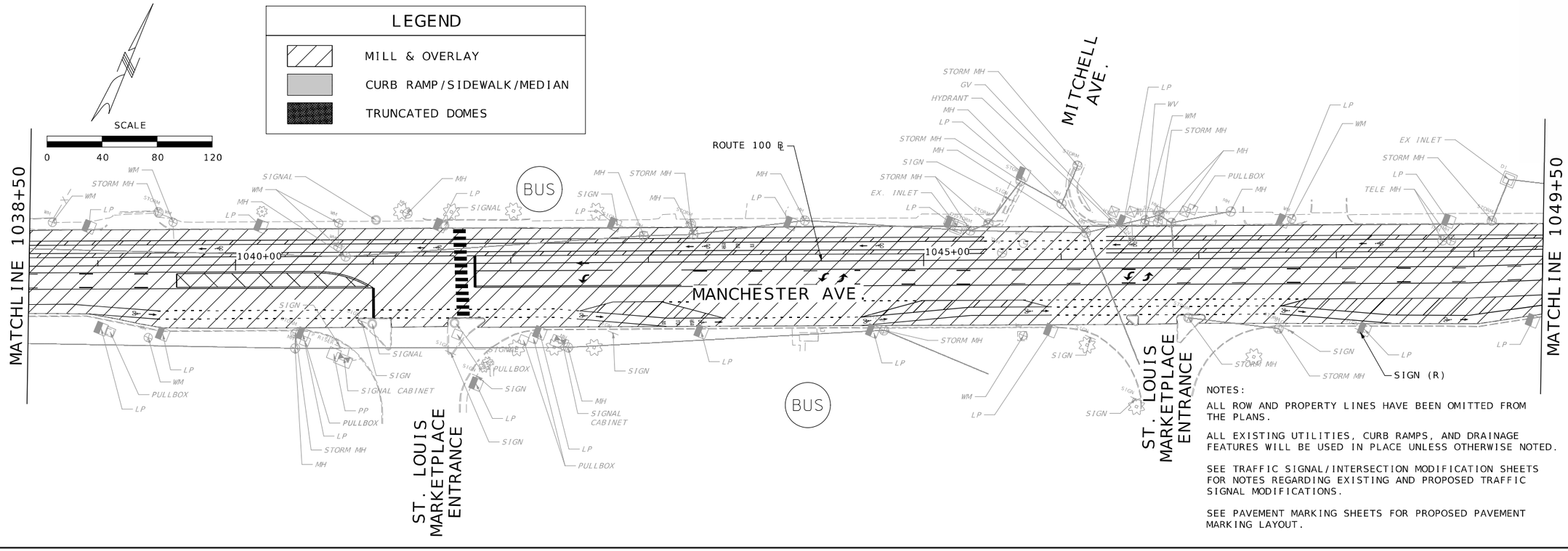
MISSOURI CERT. OF AUTHORITY: 001528

PLAN SHEETS
ROUTE 100
SHEET 2 OF 17



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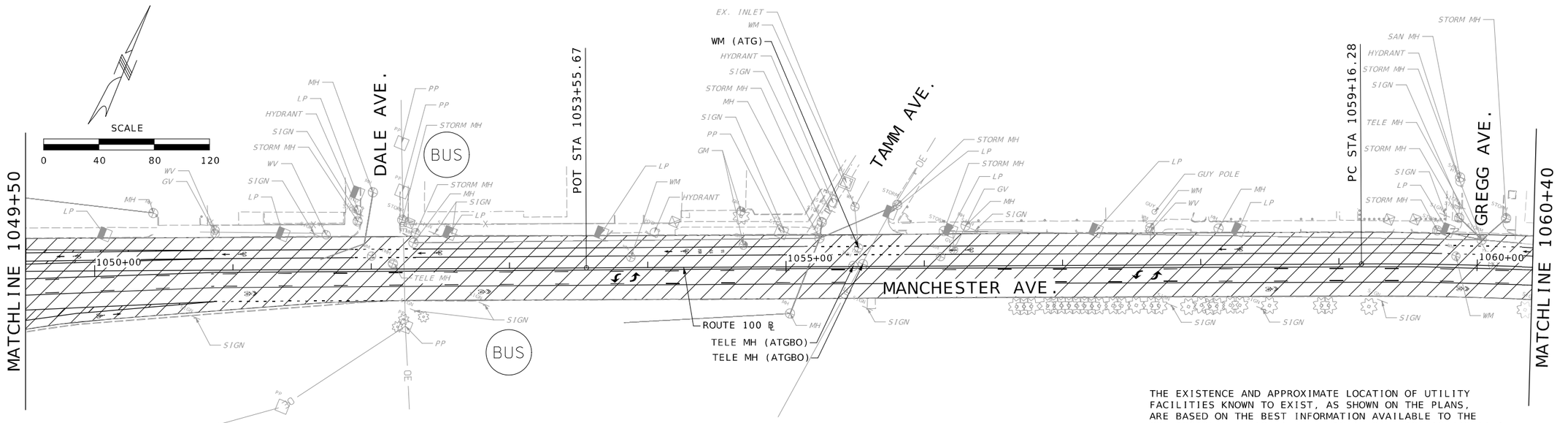

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	6

COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

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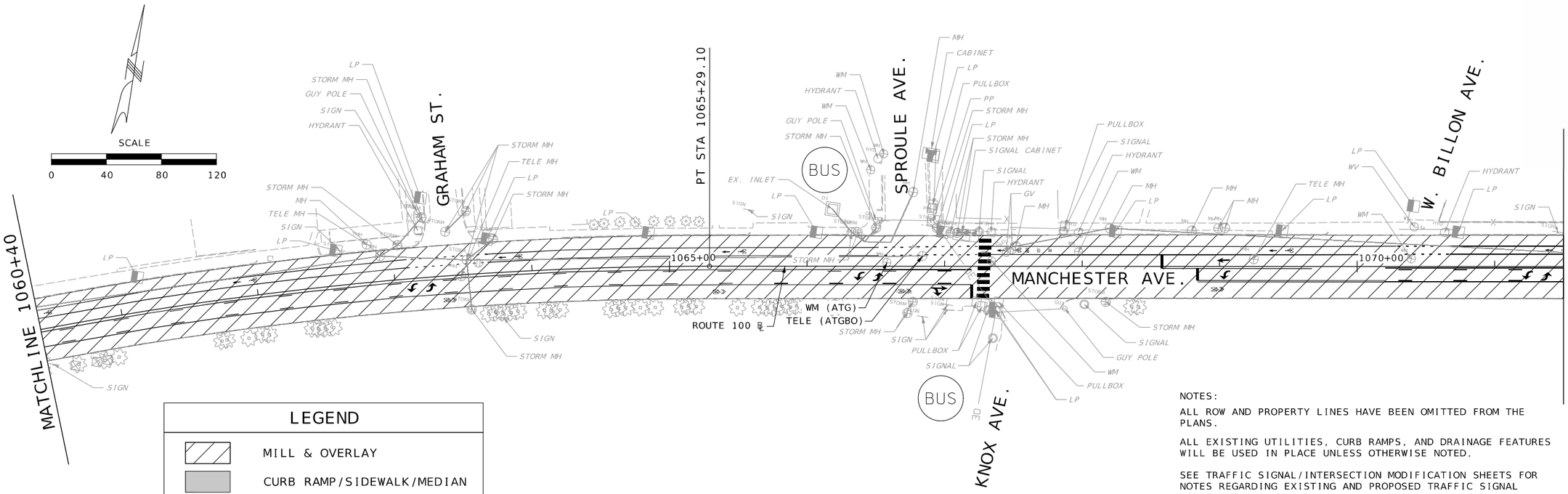
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PLAN SHEETS
ROUTE 100
SHEET 3 OF 17



LEGEND

- MILL & OVERLAY
- CURB RAMP/SIDEWALK/MEDIAN
- TRUNCATED DOMES

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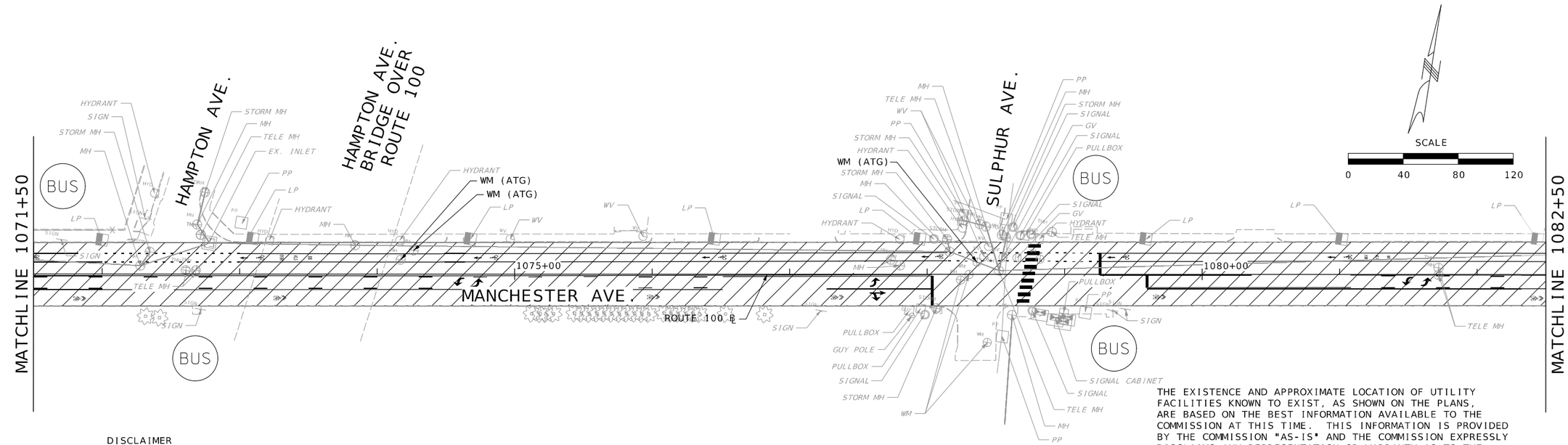

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 7
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

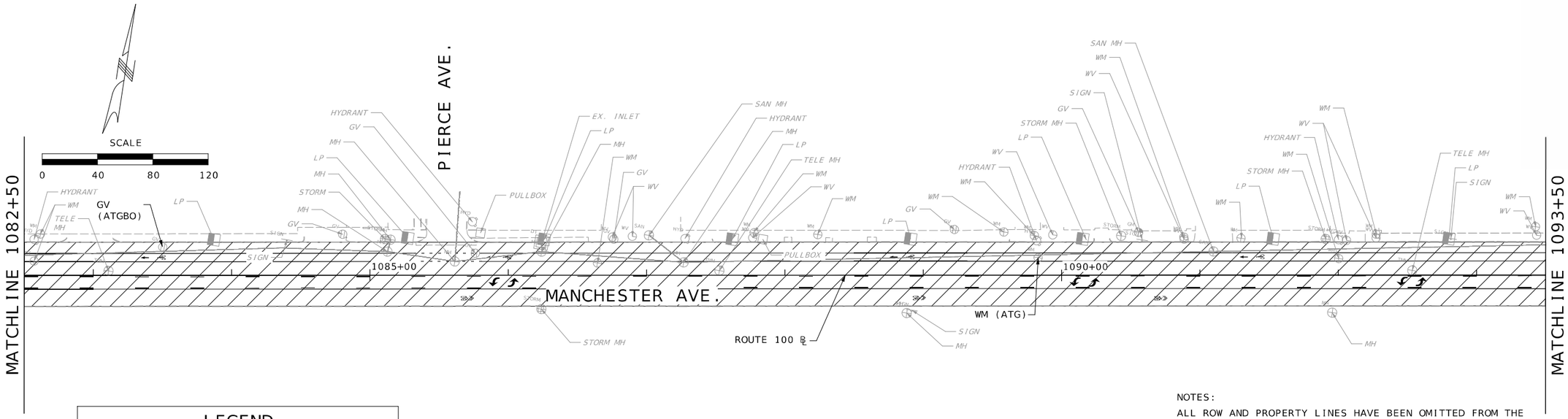
DESCRIPTION | DATE

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)

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PLAN SHEETS
ROUTE 100
SHEET 4 OF 17



LEGEND

- MILL & OVERLAY
- CURB RAMP/SIDEWALK/MEDIAN
- TRUNCATED DOMES

NOTES:

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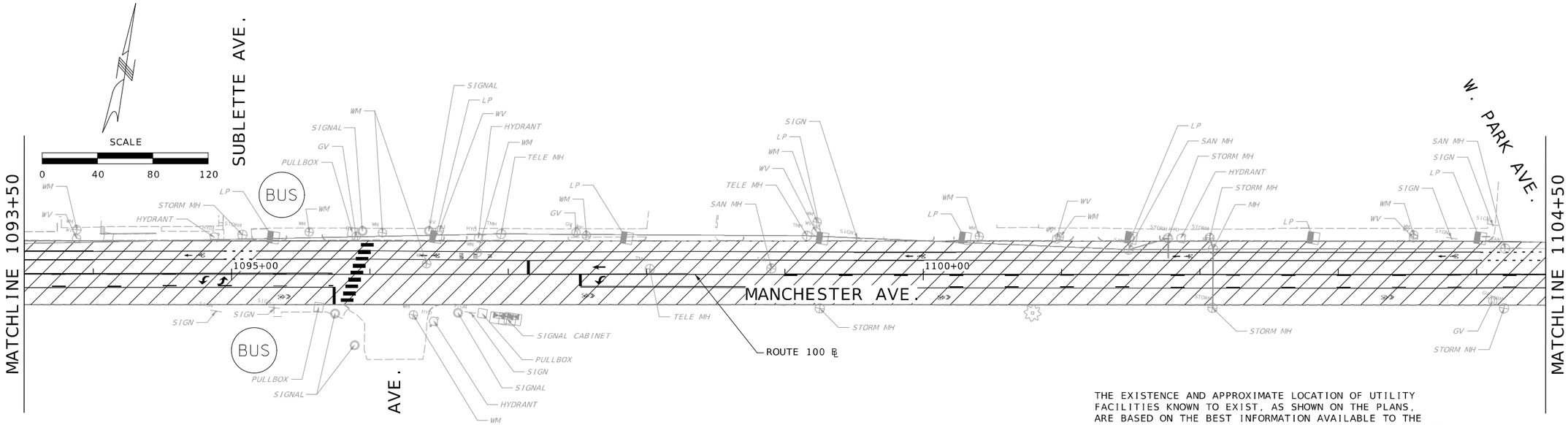

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/26/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 8
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

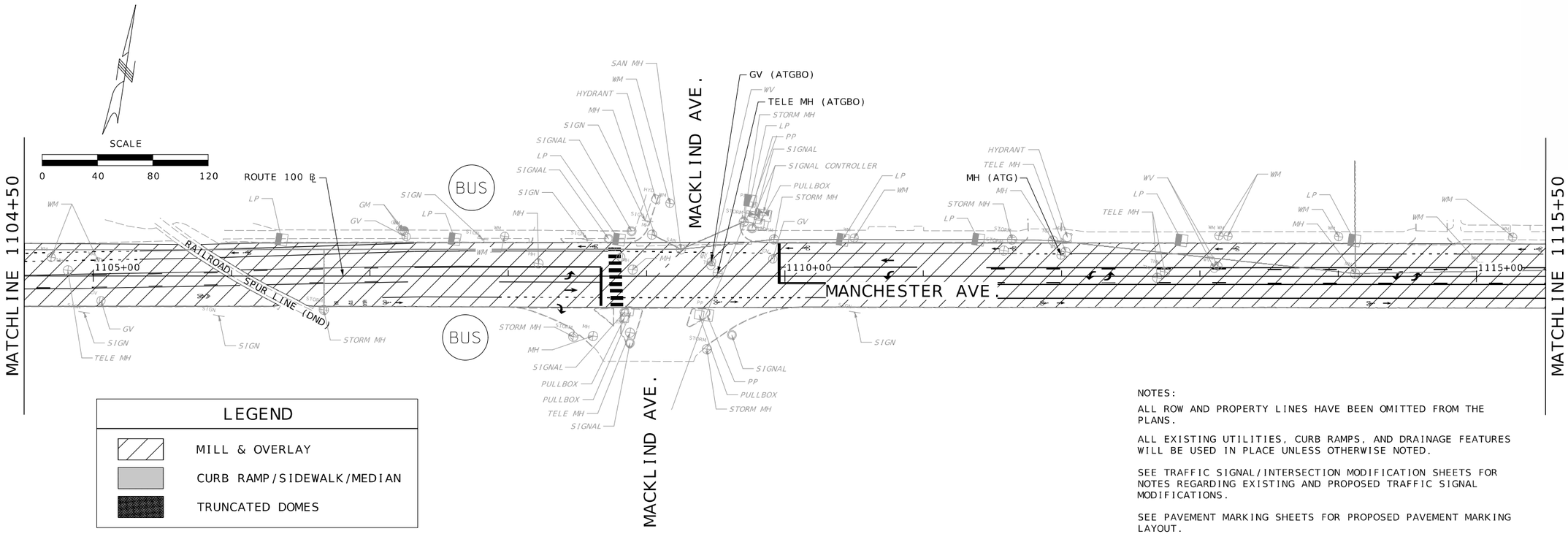
DESCRIPTION	DATE

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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PLAN SHEETS
ROUTE 100
SHEET 5 OF 17



LEGEND

- MILL & OVERLAY
- CURB RAMP/SIDEWALK/MEDIAN
- TRUNCATED DOMES

NOTES:

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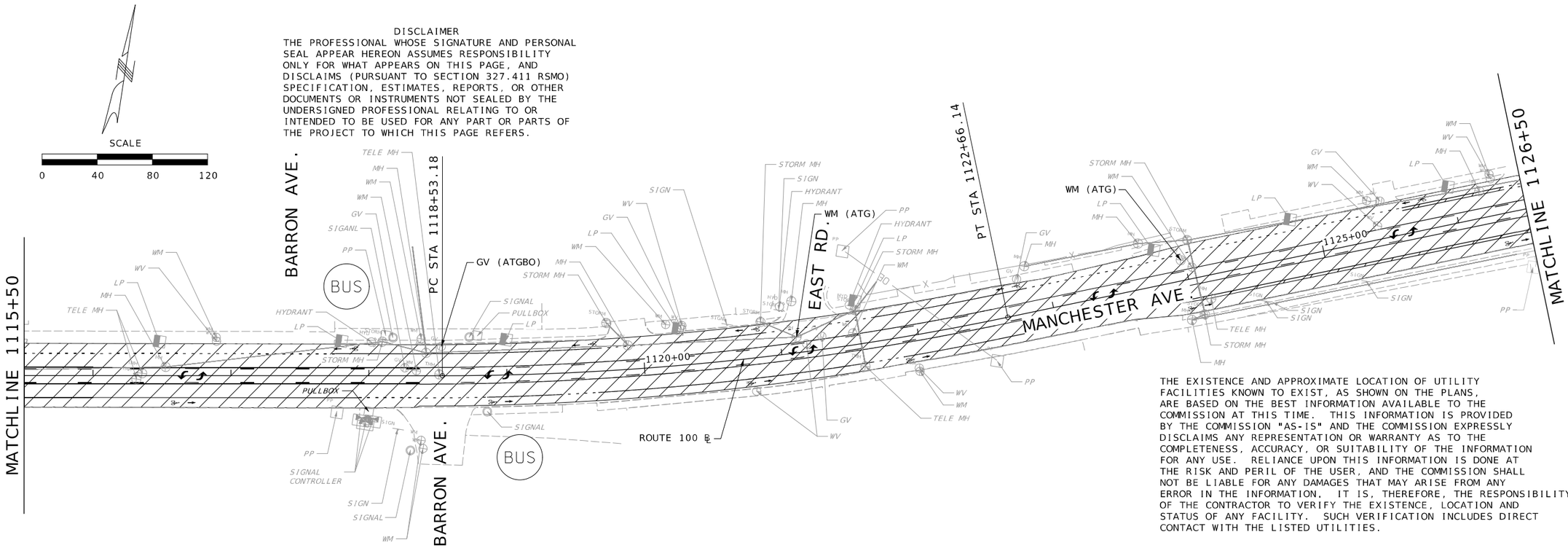

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 9
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DESCRIPTION	DATE

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

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
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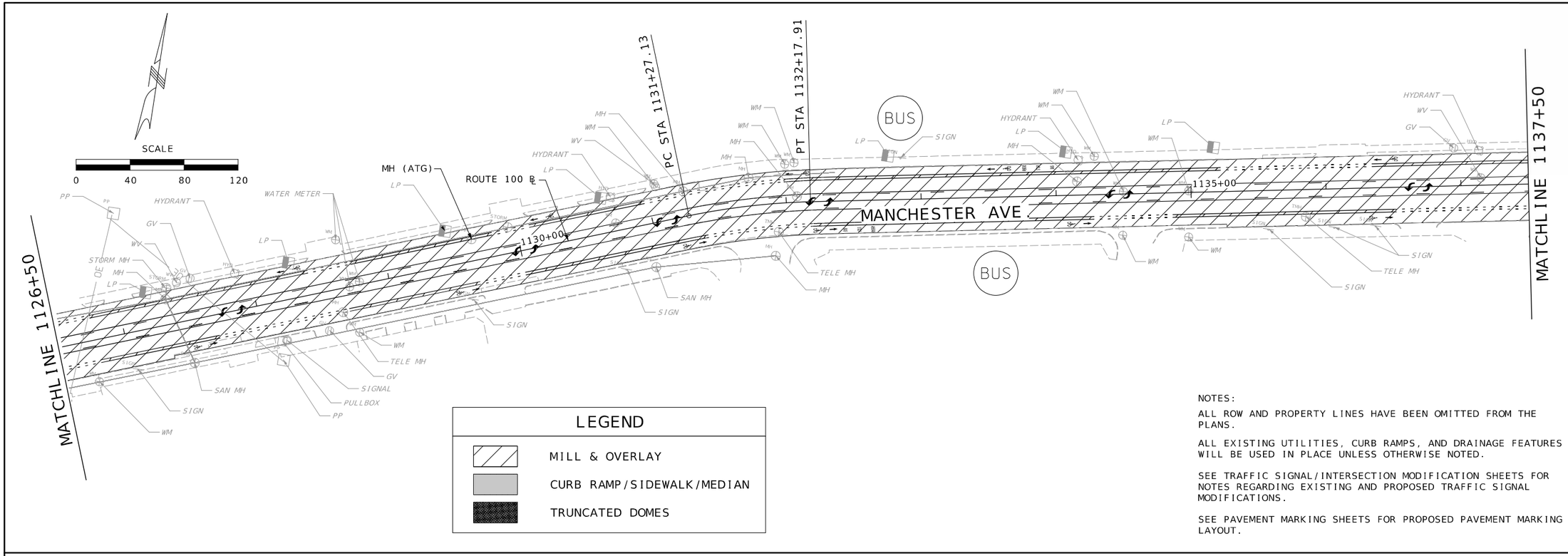
MISSOURI CERT. OF AUTHORITY: 001528

PLAN SHEETS
ROUTE 100
SHEET 6 OF 17



LEGEND

- MILL & OVERLAY
- CURB RAMP/SIDEWALK/MEDIAN
- TRUNCATED DOMES

NOTES:

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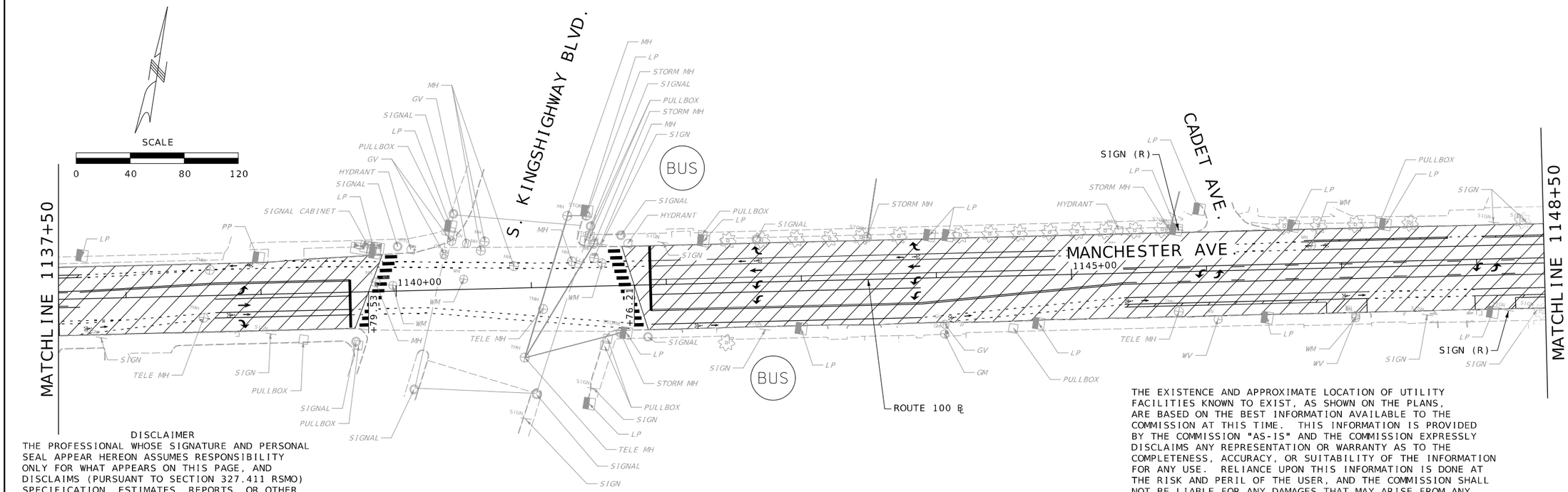
SEE PAVEMENT MARKING SHEETS FOR PROPOSED PAVEMENT MARKING LAYOUT.



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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 10
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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
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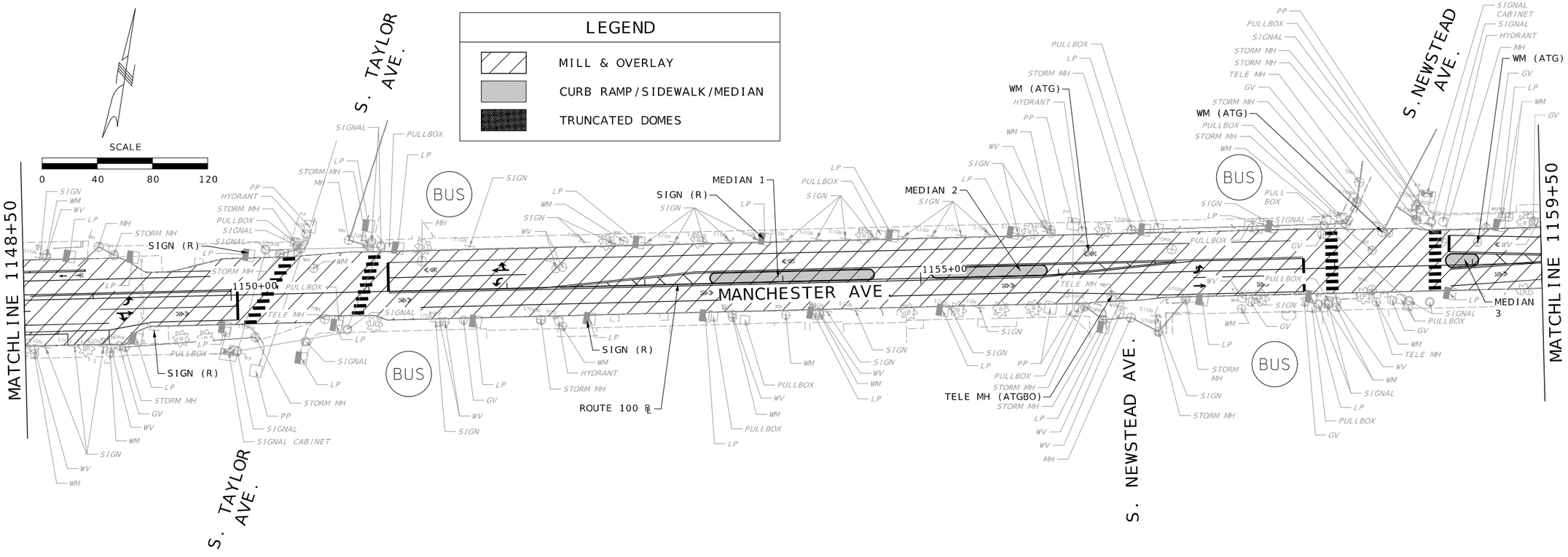
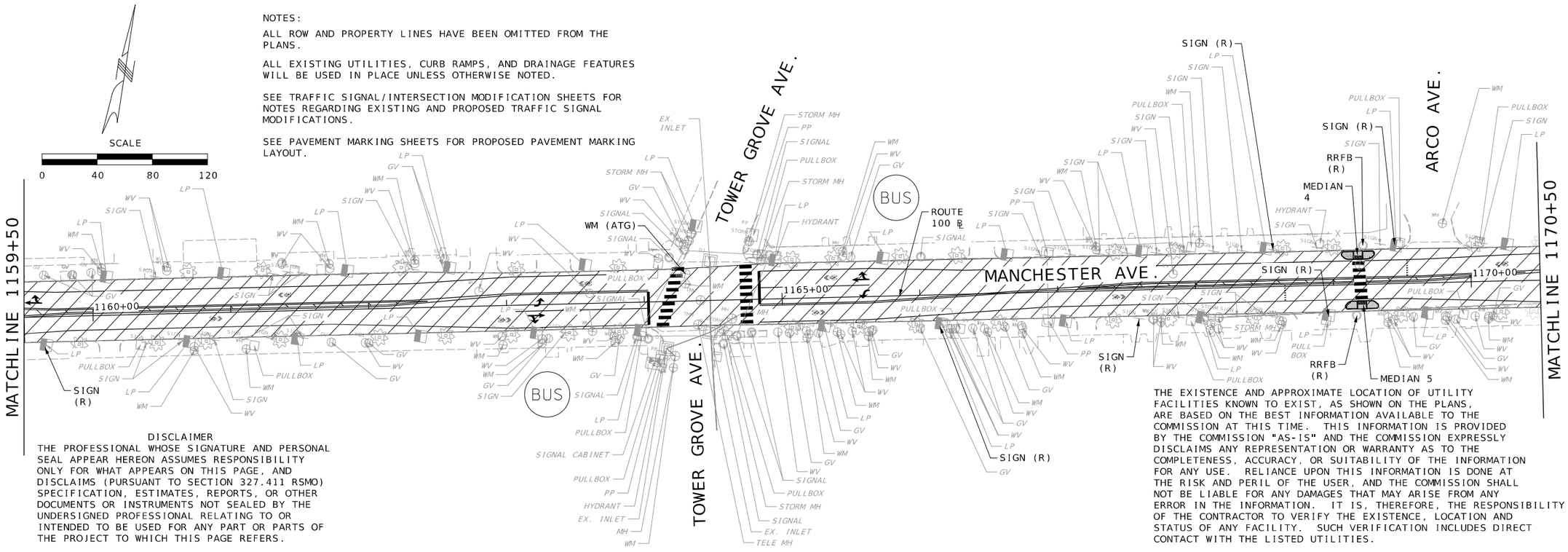
TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PLAN SHEETS
ROUTE 100
SHEET 7 OF 17





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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 11
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DESCRIPTION | DATE

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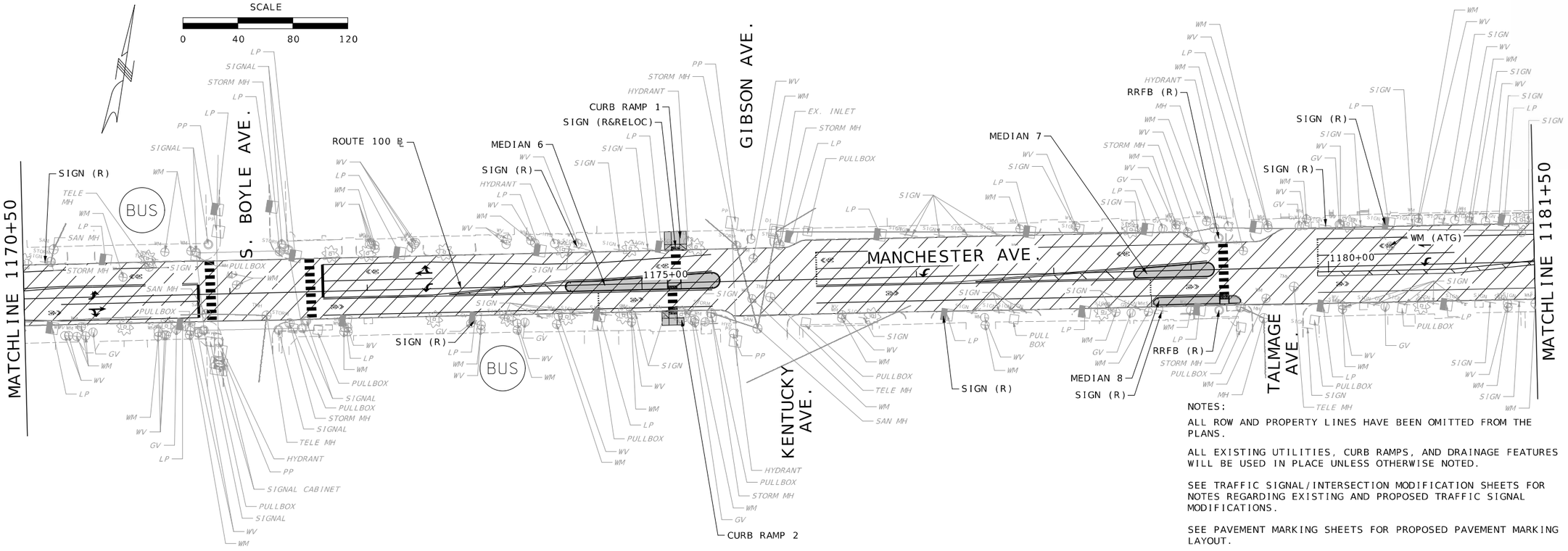
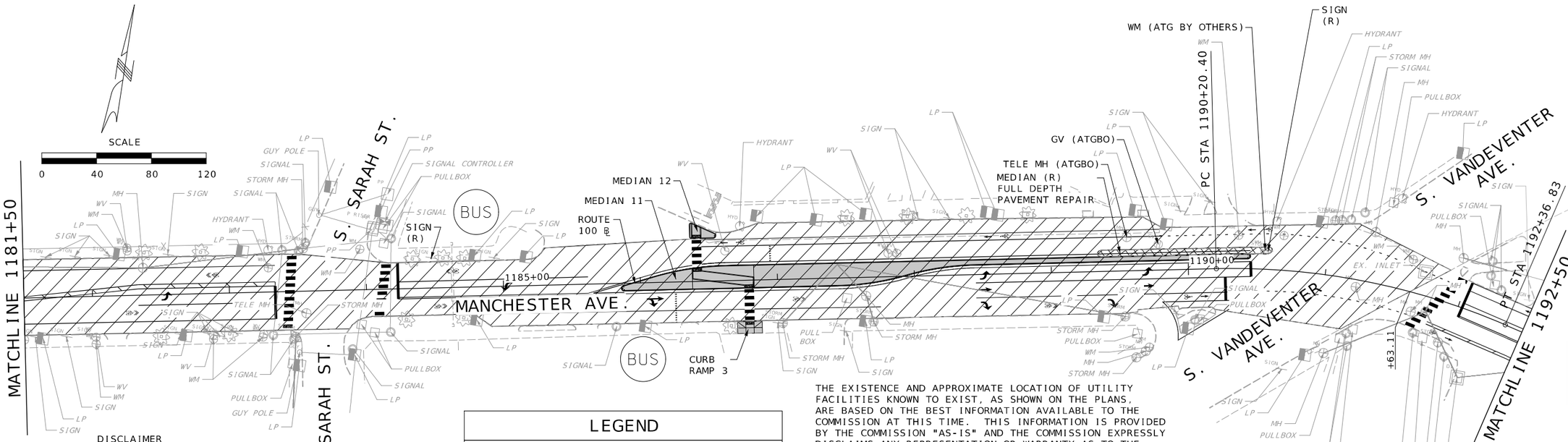
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PLAN SHEETS
ROUTE 100
SHEET 8 OF 17





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LEGEND

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- CURB RAMP/SIDEWALK/MEDIAN
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KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	12

COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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JEFFERSON CITY, MO 65102
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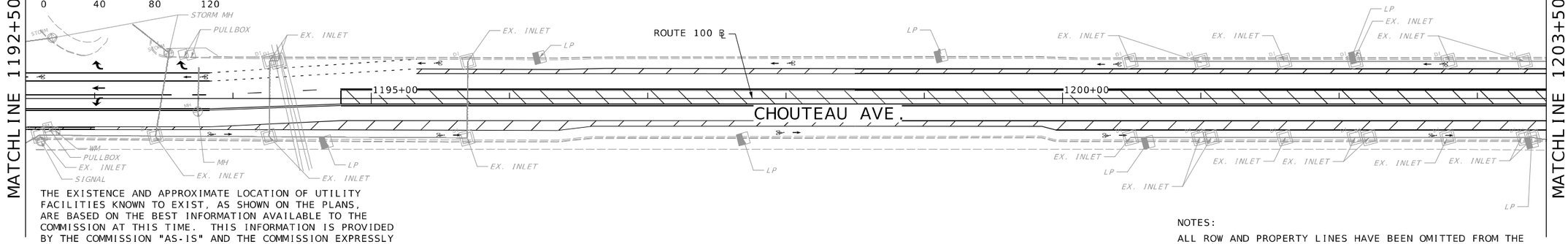
PLAN SHEETS
ROUTE 100
SHEET 9 OF 17

LEGEND

- MILL & OVERLAY
- CURB RAMP/SIDEWALK/MEDIAN
- TRUNCATED DOMES

SCALE

0 40 80 120



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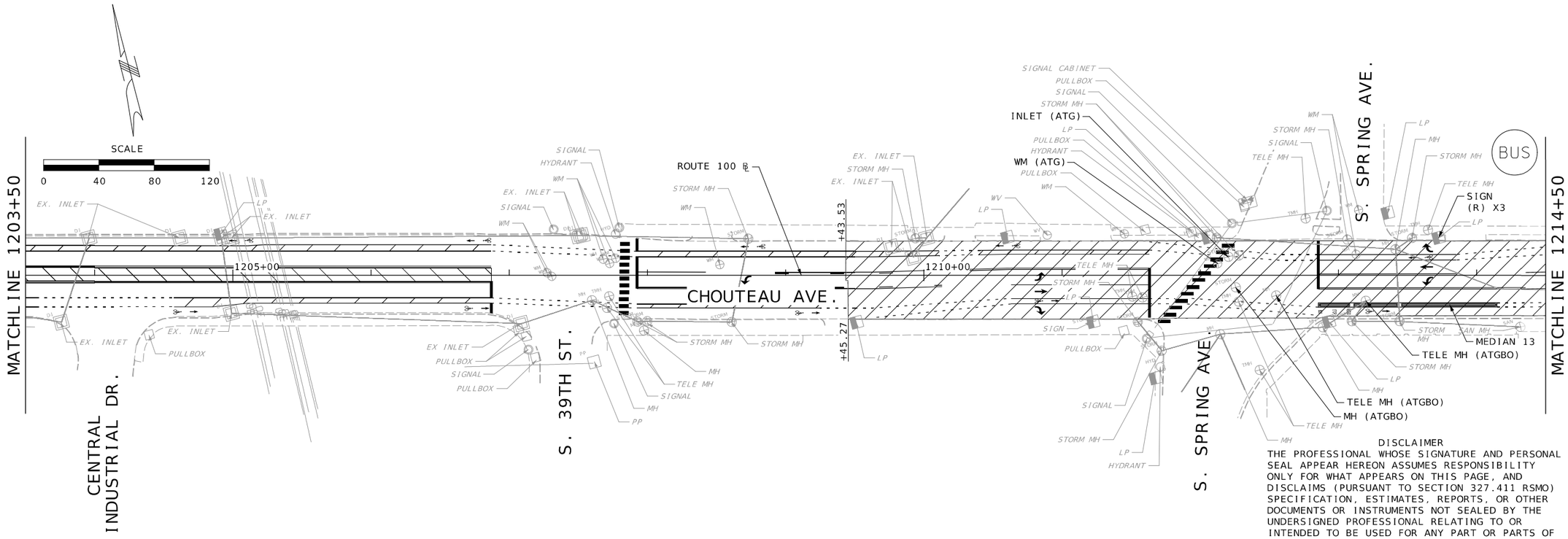
SCALE

0 40 80 120



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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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DATE PREPARED: 3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	13

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION	DATE

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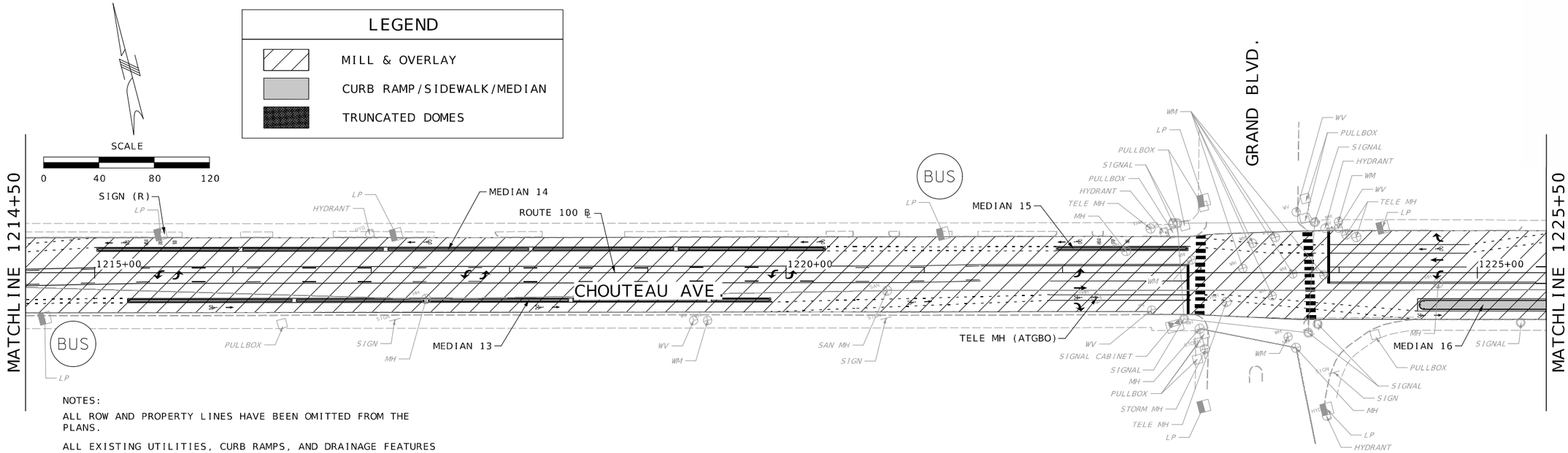
MISSOURI CERT. OF AUTHORITY: 001528

PLAN SHEETS
ROUTE 100
SHEET 10 OF 17



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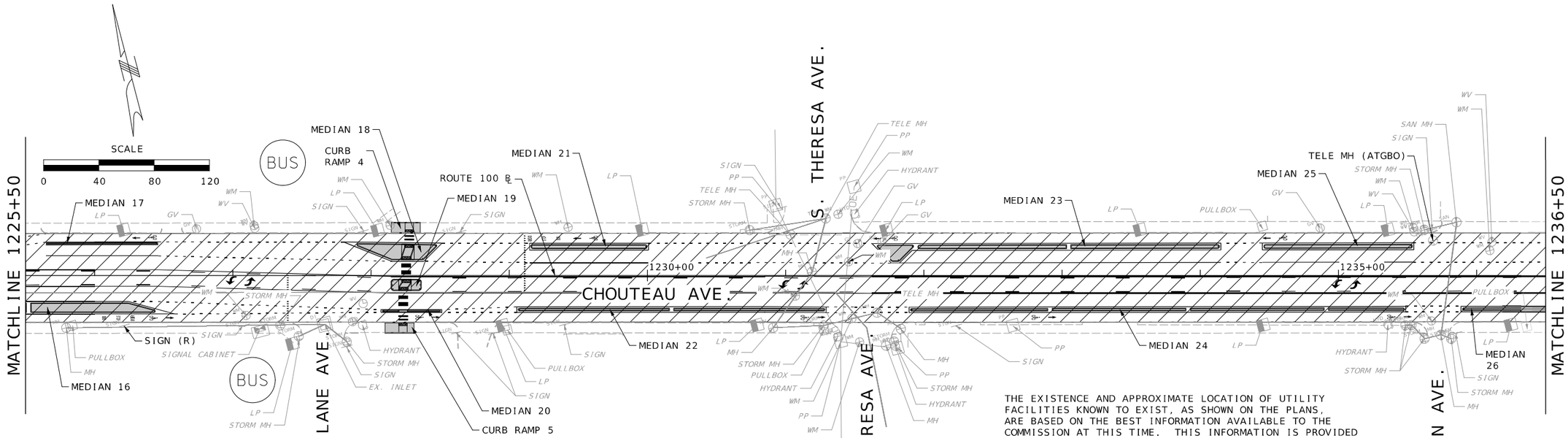

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 14
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

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JEFFERSON CITY, MO 65102
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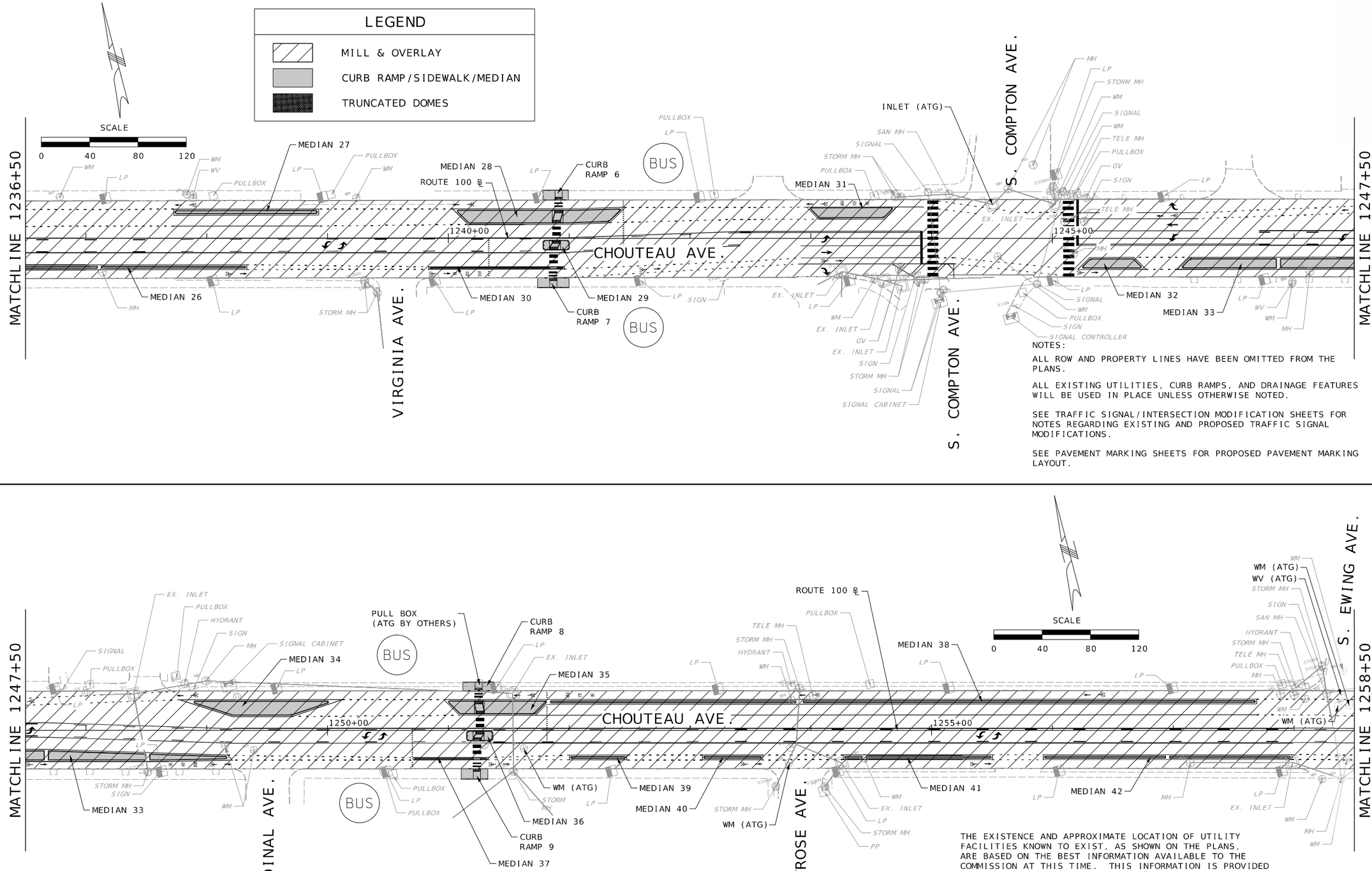
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PLAN SHEETS
ROUTE 100
SHEET 11 OF 17



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KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 15
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

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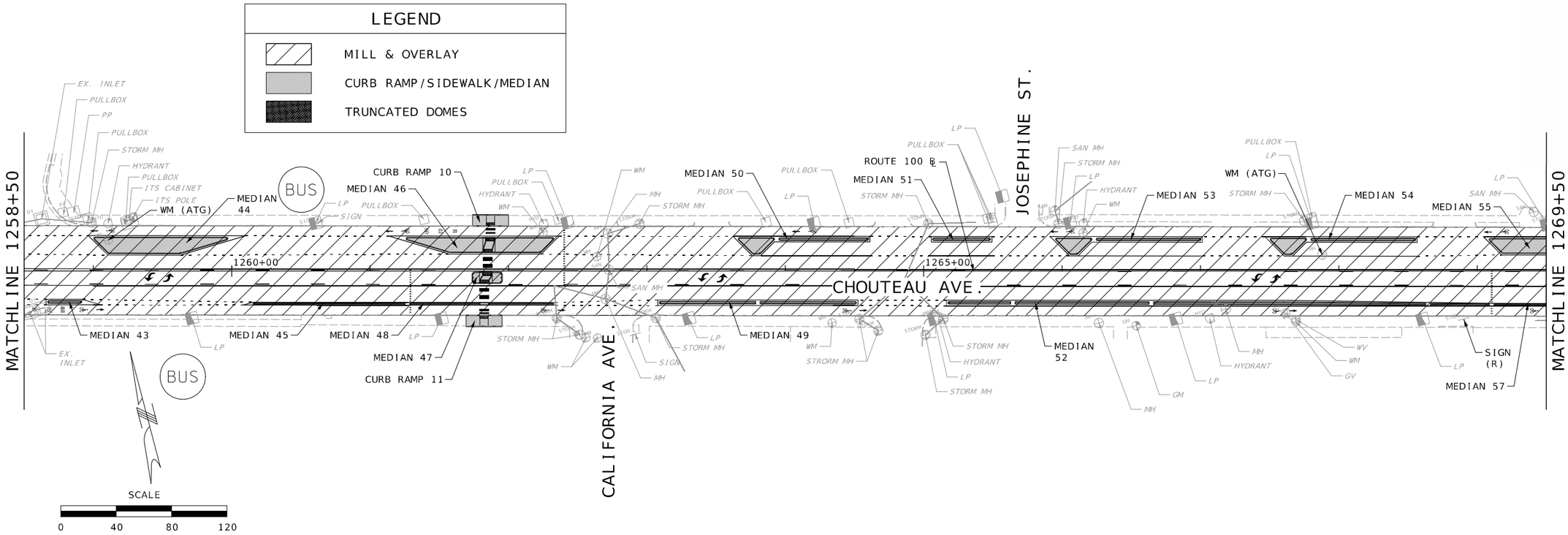
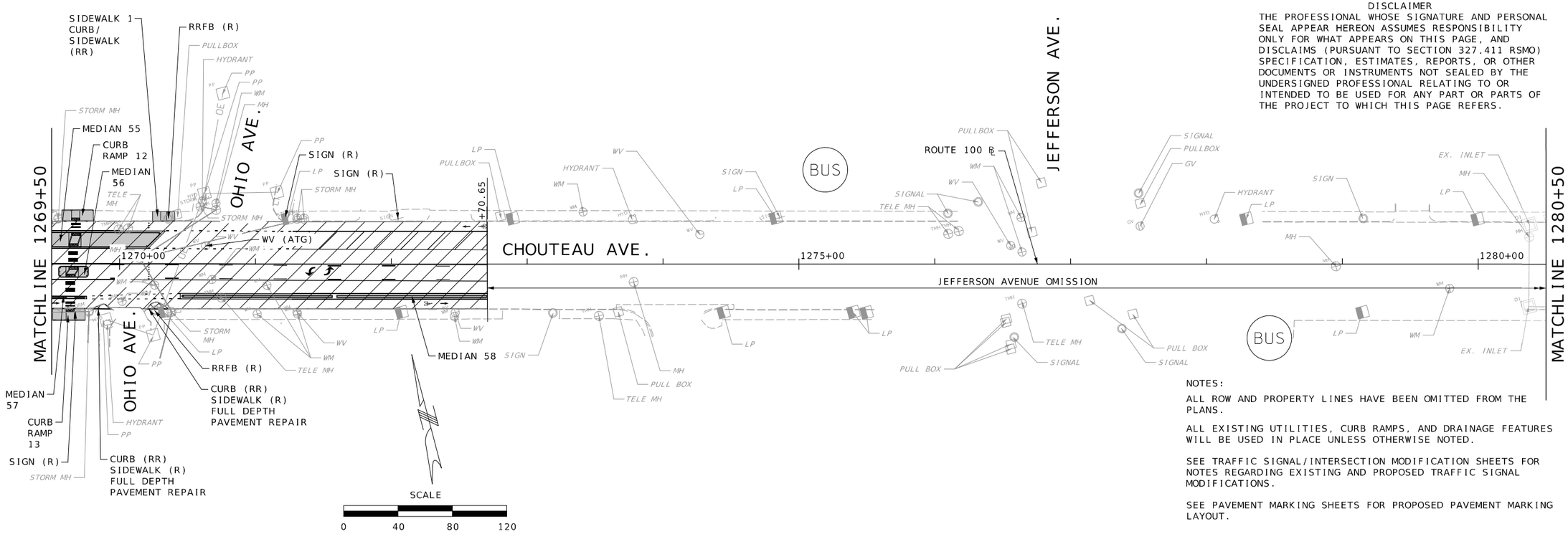
MISSOURI CERT. OF AUTHORITY: 001528

PLAN SHEETS
ROUTE 100
SHEET 12 OF 17





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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	16

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION	DATE

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

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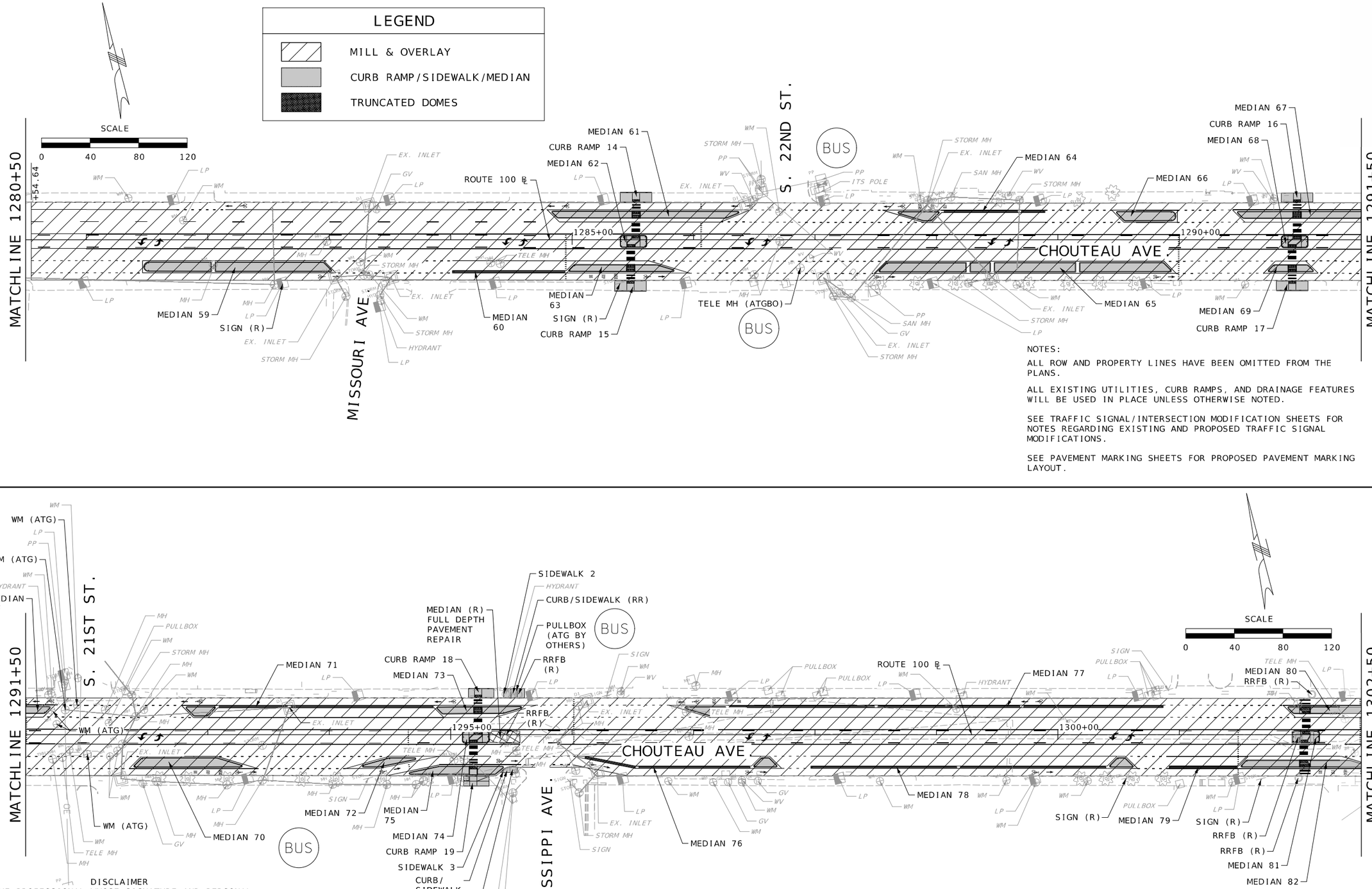
PLAN SHEETS
ROUTE 100
SHEET 13 OF 17



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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 17
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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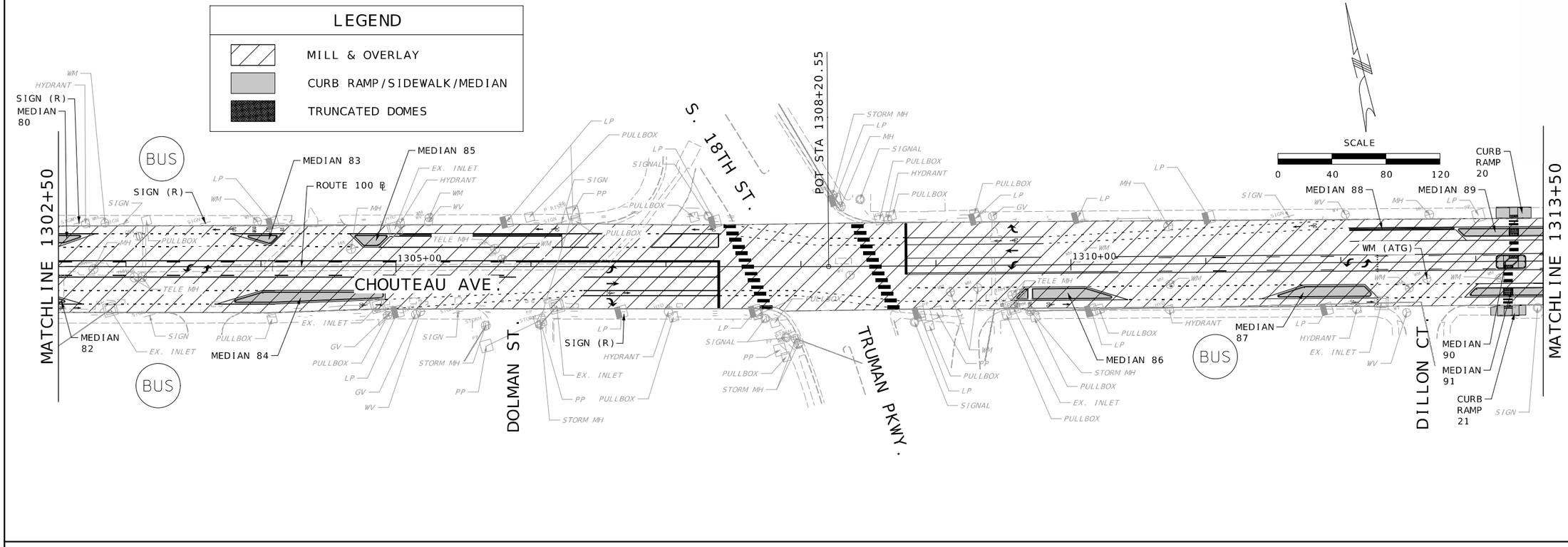
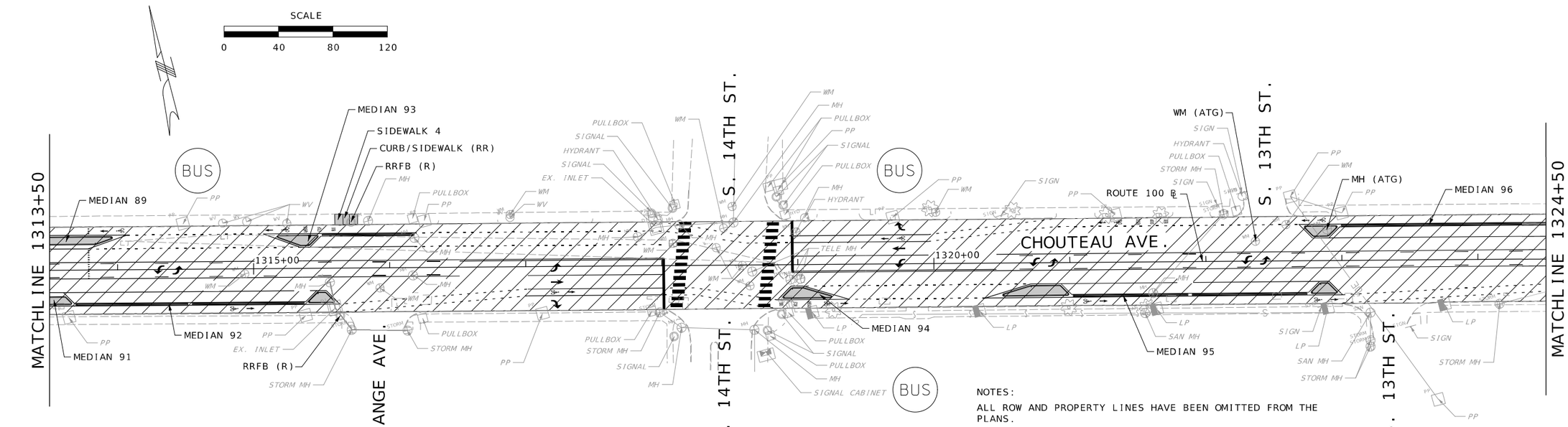
PLAN SHEETS
ROUTE 100
SHEET 14 OF 17





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SEE TRAFFIC SIGNAL/INTERSECTION MODIFICATION SHEETS FOR NOTES REGARDING EXISTING AND PROPOSED TRAFFIC SIGNAL MODIFICATIONS.

SEE PAVEMENT MARKING SHEETS FOR PROPOSED PAVEMENT MARKING LAYOUT.

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 18
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

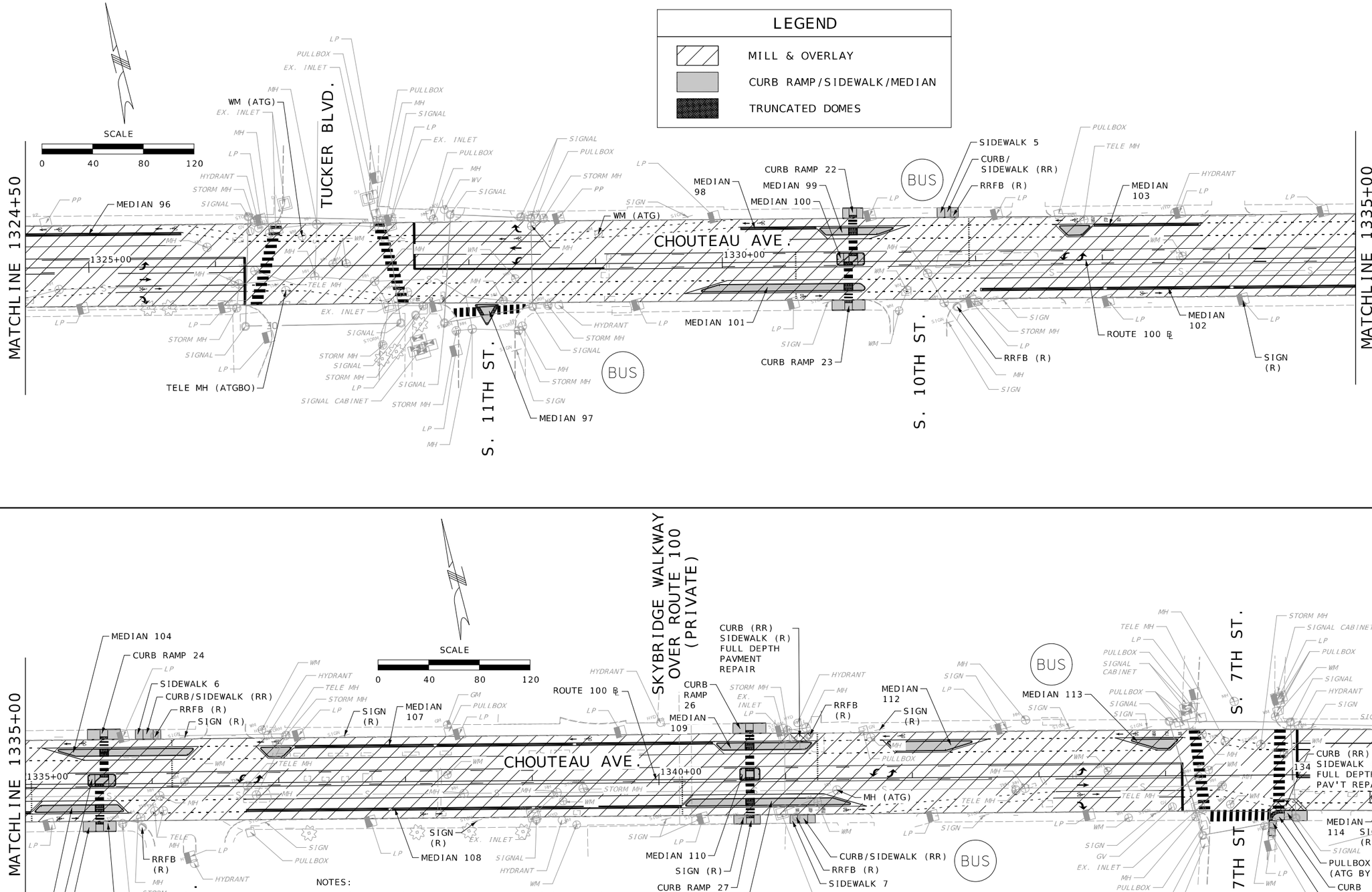
DESCRIPTION | DATE

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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PLAN SHEETS
ROUTE 100
SHEET 15 OF 17



NOTES:

ALL ROW AND PROPERTY LINES HAVE BEEN OMITTED FROM THE PLANS.

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DISCLAIMER

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 19
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

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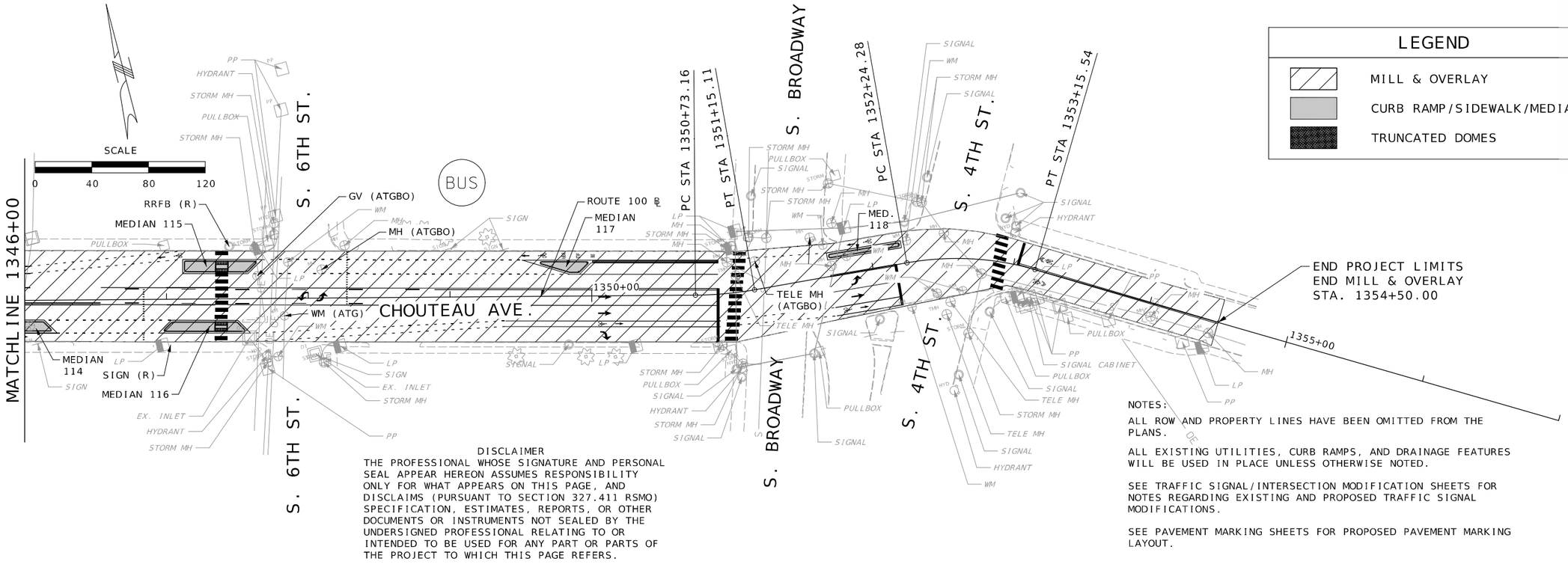
MISSOURI CERT. OF AUTHORITY: 001528

PLAN SHEETS
ROUTE 100
SHEET 16 OF 17



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SEE PAVEMENT MARKING SHEETS FOR PROPOSED PAVEMENT MARKING LAYOUT.

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	20

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

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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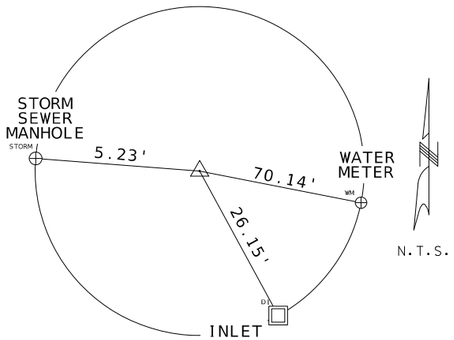
MISSOURI CERT. OF AUTHORITY: 001528

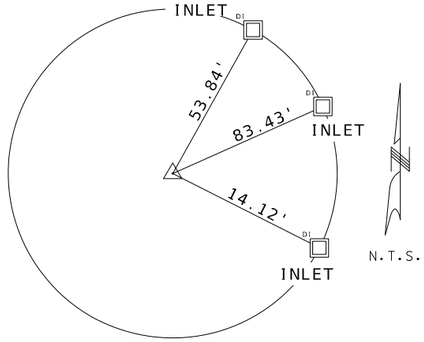
PLAN SHEETS
ROUTE 100
SHEET 17 OF 17



N.T.S.

CONTROL POINT #100
ELEV. 479.24

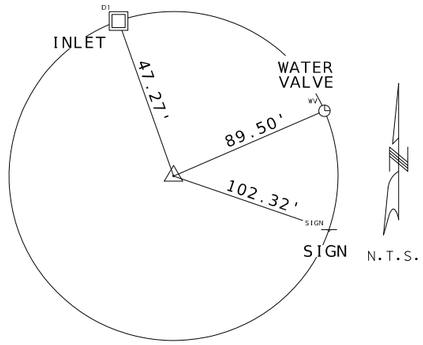
SET CUT X
N = 1017651.8210
E = 892381.7230
ROUTE 100 STA. = 1191+99.85
OFFSET = 28.94' RT



N.T.S.

CONTROL POINT #102
ELEV. 496.30

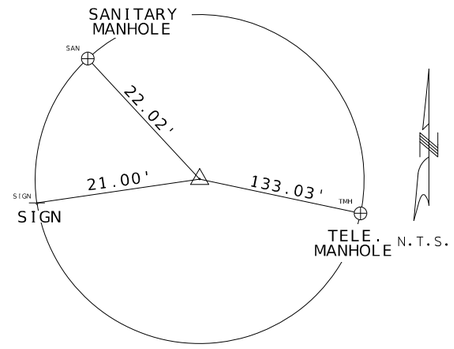
SET CUT X
N = 1017445.2200
E = 893189.0550
ROUTE 100 STA. = 1200+35.35
OFFSET = 25.39' RT



N.T.S.

CONTROL POINT #104
ELEV. 496.67

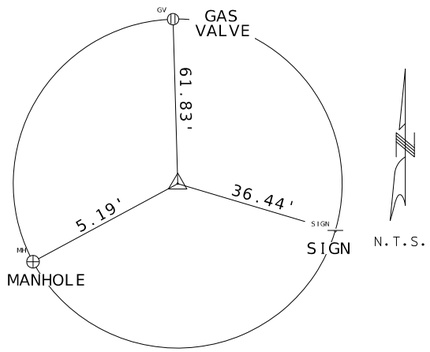
SET MAG
N = 1017195.1350
E = 894140.1880
ROUTE 100 STA. = 1210+18.82
OFFSET = 26.15' RT



N.T.S.

CONTROL POINT #106
ELEV. 511.43

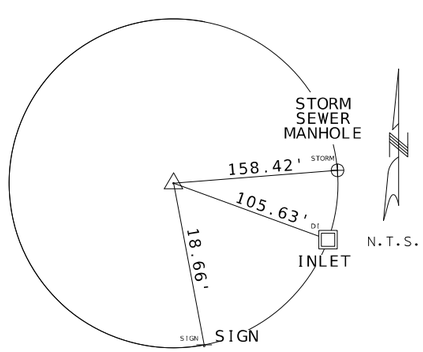
SET MAG
N = 1016924.41
E = 895178.3130
ROUTE 100 STA. = 1220+91.66
OFFSET = 24.83' RT



N.T.S.

CONTROL POINT #108
ELEV. 478.57

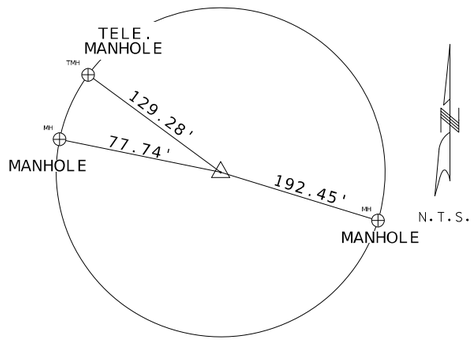
SET CUT X
N = 1016636.8160
E = 896235.4540
ROUTE 100 STA. = 1231+87.17
OFFSET = 35.01' RT



N.T.S.

CONTROL POINT #110
ELEV. 457.74

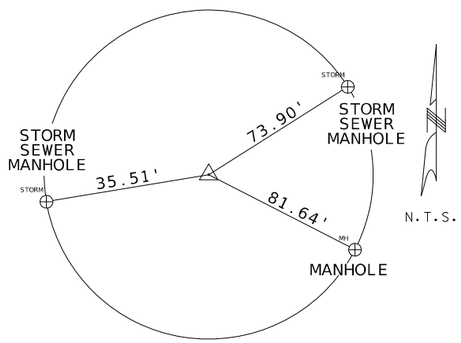
SET MAG
N = 1016391.2910
E = 897239.1460
ROUTE 100 STA. = 1242+20.32
OFFSET = 18.04'



N.T.S.

CONTROL POINT #112
ELEV. 452.09

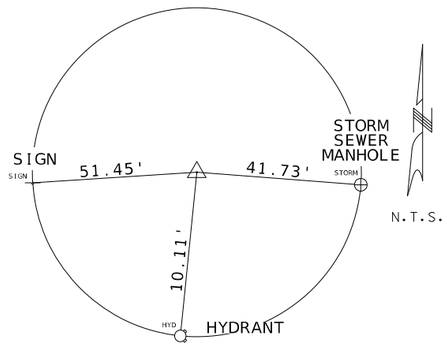
SET MAG IN ARROW TIP
N = 1016060.4770
E = 898497.9770
ROUTE 100 STA. = 1255+21.89
OFFSET = 18.88' RT



N.T.S.

CONTROL POINT #114
ELEV. 450.43

SET MAG IN ARROW TIP
N = 1015799.5900
E = 899489.2540
ROUTE 100 STA. = 1265+46.93
OFFSET = 19.92' RT



N.T.S.

CONTROL POINT #200
ELEV. 480.78

SET IRON ROD W/ CAP
N = 1017731.7620
E = 892247.6880
ROUTE 100 STA. = 1190+64.04
OFFSET = 45.36' LT

GENERAL NOTES:

BASIS OF BEARINGS AND COORDINATES: ALL DISTANCES AND COORDINATES ARE GROUND (GRID SCALED) VALUES, REFERENCED TO MISSOURI STATE PLANE COORDINATE SYSTEM, EAST ZONE 2401.

LINEAR UNIT: US SURVEY FEET (SFT)
GEODETIC DATUM: NAD 83 (2011)
VERTICAL DATUM: NAVD 88 (GEOID 18)
PROJECT LOCATION:
LATITUDE: N38°37'42.03197" NORTHING: 1017731.752 SFT
LONGITUDE: W90°14'52.15904" EASTING: 892247.724 SFT
HGT: 385.588 FT ELEV: 487.540 FT
CM SCALE FACTOR: 1.0000878000

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 21
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

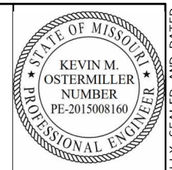
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

REFERENCE POINTS
ROUTE 100
SHEET 1 OF 1

COORDINATE POINT LISTING

SHEET NO (XX OF 17)	POINT TYPE	STATION	LOCATION	ROADWAY	CURVE	DELTA	RADIUS	TANGENT	LENGTH	MODIFIED STATE PLANE (GROUND) NORTHING (USFT)	MODIFIED STATE PLANE (GROUND) EASTING (USFT)	DESCRIPTION
ALIGNMENTS (ROUTE_100)												
1	P.O.B.	995+00.00	CL	ROUTE 100						1012622.81	873535.35	BEGIN – ROUTE 100
1	H.P.I.	1000+00.00	CL	ROUTE 100						1012936.58	873924.64	P.I. ROUTE 100
1	P.C.	1001+64.47		ROUTE 100	CURVE 1					1013039.79	874052.70	BEGIN CURVE 1
1	H.P.I.	1002+03.28	CL	ROUTE 100	CURVE 1					1013064.14	874082.92	INTERSECTION – BLENDON PL & RTE 100
1	P.T.	1002+41.93	CL	ROUTE 100	CURVE 1	08°52'34" RT	500.00	38.81	77.46	1013083.54	874116.53	END CURVE 1
1	P.C.	1005+76.23		ROUTE 100	CURVE 2					1013250.65	874406.06	BEGIN CURVE 2
1	H.P.I.	1006+15.16	CL	ROUTE 100	CURVE 2					1013270.11	874439.78	INTERSECTION – RICHETT PL & RTE 100
1	P.T.	1006+53.93	CL	ROUTE 100	CURVE 2	08°54'15" RT	500.00	38.93	77.70	1013284.11	874476.10	END CURVE 2
1	H.P.I.	1009+79.16		ROUTE 100						1013401.13	874779.54	INTERSECTION – MCCAUSLAND AVE & RTE 100
1	H.P.I.	1016+03.50	CL	ROUTE 100						1013625.76	875362.07	INTERSECTION – FOREST AVE & ROUTE 100
3	H.P.I.	1053+55.67	CL	ROUTE 100						1015052.53	878832.40	H.P.I.
3	P.C.	1059+16.28		ROUTE 100	CURVE 3					1015264.90	879351.22	BEGIN CURVE 3
4	H.P.I.	1062+24.13	CL	ROUTE 100	CURVE 3					1015381.52	879636.13	H.P.I.
4	P.T.	1065+29.10	CL	ROUTE 100	CURVE 3	13°34'25" RT	2586.80	307.85	612.82	1015428.02	879940.45	END CURVE 3
6	P.C.	1118+53.18	CL	ROUTE 100	CURVE 4					1016232.17	885203.45	BEGIN CURVE 4
6	H.P.I.	1120+60.40		ROUTE 100	CURVE 4					1016263.47	885408.29	H.P.I.
6	P.T.	1122+66.14	CL	ROUTE 100	CURVE 4	11°49'50" LT	2000.00	207.22	412.96	1016336.10	885602.36	END CURVE 4
7	P.C.	1131+27.13	CL	ROUTE 100	CURVE 5					1016637.87	886408.73	BEGIN CURVE 5
7	H.P.I.	1131+72.65	CL	ROUTE 100	CURVE 5					1016653.82	886451.36	H.P.I.
7	P.T.	1132+17.91	CL	ROUTE 100	CURVE 5	10°24'12" RT	500.00	45.52	90.79	1016661.82	886496.17	END CURVE 5
9	P.C.	1190+20.40		ROUTE 100	CURVE 6					1017680.80	892208.48	BEGIN CURVE 6
9	H.P.I.	1191+30.34	CL	ROUTE 100	CURVE 6					1017700.10	892316.71	H.P.I.
9	P.T.	1192+36.83	CL	ROUTE 100	CURVE 6	24°48'04" RT	500.00	109.94	216.43	1017672.23	892423.06	END CURVE 6
15	H.P.I.	1308+20.55	CL	ROUTE 100						1014735.35	903628.29	H.P.I.
17	P.C.	1350+73.16	CL	ROUTE 100	CURVE 7					1013688.79	907750.11	BEGIN CURVE 7
17	H.P.I.	1350+94.18	CL	ROUTE 100	CURVE 7					1013683.61	907770.49	H.P.I.
17	P.T.	1351+15.11		ROUTE 100	CURVE 7	09°36'51" LT	250.00	21.02	41.95	1013681.92	907791.44	END CURVE 7
17	P.C.	1352+24.28	CL	ROUTE 100	CURVE 8					1013673.10	907900.26	BEGIN CURVE 8
17	H.P.I.	1352+70.72	CL	ROUTE 100	CURVE 8					1013669.35	907946.55	H.P.I.
17	P.T.	1353+15.54	CL	ROUTE 100	CURVE 8	26°08'44" RT	200.00	46.44	91.27	1013645.58	907986.45	BEGIN CURVE 8
17	H.P.I.	1354.49.80		ROUTE 100						1013576.88	908101.80	H.P.I.
17	P.O.E.	1359+49.80	CL	ROUTE 100						1013321.02	908531.38	END – ROUTE 100



DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO

DISTRICT	SHEET NO.
SL	22

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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MISSOURI CERT. OF AUTHORITY: 001528

COORDINATE POINTS

ROUTE 100

SHEET 1 OF 1

Sign Spacing, Device Spacing and Channelizing Taper Lengths

SIGN SPACING (S) FOR ADVANCE SIGN SERIES (1) (2)		
SPEED MPH	UNDIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	SA-1000 SB-1500 SC-2640

LONGITUDINAL BUFFER SPACE (B)	
SPEED MPH	BUFFER SPACE
0-35	250
40-45	360
50-55	495
60-70	730

TAPER LENGTHS AND SPACING OF CHANNELIZING DEVICES					
SPEED MPH	MINIMUM TAPER LENGTHS (L) FOR LANE WIDTHS (W)			MAXIMUM CHANNELIZER SPACING	
	10 FT	11 FT	12 FT	THROUGH TAPER	THROUGH WORK AREA
0-35	205	225	245	35	40
40-45	450	495	540	40	80
50-55	550	605	660	50	80
60-70	700	770	840	60	120

TAPER LENGTH (L):

L = WS FOR 40 MPH OR MORE

$L = \frac{WS^2}{60}$ FOR 35 MPH OR LESS

FOR SHOULDER TAPER USE L/3

WHERE:

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

S = POSTED SPEED IN MPH

NOTES:

DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.

(1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION

(2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS

TRAFFIC CONTROL DEVICES

GENERAL NOTES:

1. SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN
2. EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
4. CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
6. LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE, ARROW PANELS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD

LEGEND & GENERAL NOTES
TEMPORARY TRAFFIC CONTROL

SHEET 1 OF 10

TERESA A. KRENNING NUMBER PE-027536
STATE OF MISSOURI PROFESSIONAL ENGINEER

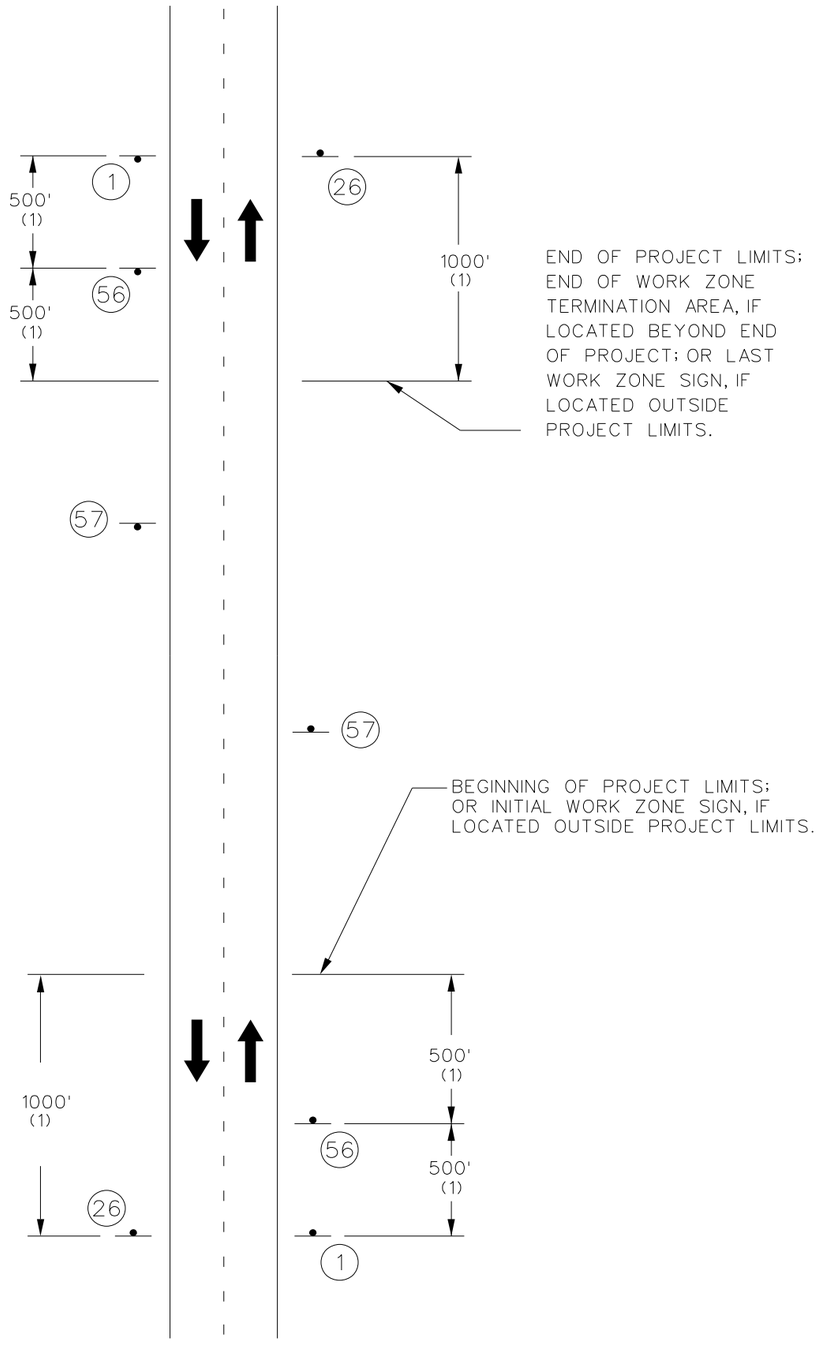
DATE PREPARED 3/18/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 23
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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)

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekdesigngroup.com
Missouri Cert. of Authority 2002010300
TREKK DESIGN GROUP, LLC



TA-50
TWO-LANE UNDIVIDED

NOTES:

SIGN G020-1 IS REQUIRED.

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

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

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

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

(2) CONST-5-96 OR CONST-5-48 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN G020-1 ROAD WORK NEXT XX MILES.

(3) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

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

G020-1

1

SPECIAL (4)

56

G020-2

26

CONST-5-96 (2)(3)

57

BEGIN/END CONSTRUCTION
TEMPORARY TRAFFIC CONTROL

SHEET 2 OF 10

TERESA A. KRENNING
NUMBER PE-027536
STATE OF MISSOURI
PROFESSIONAL ENGINEER

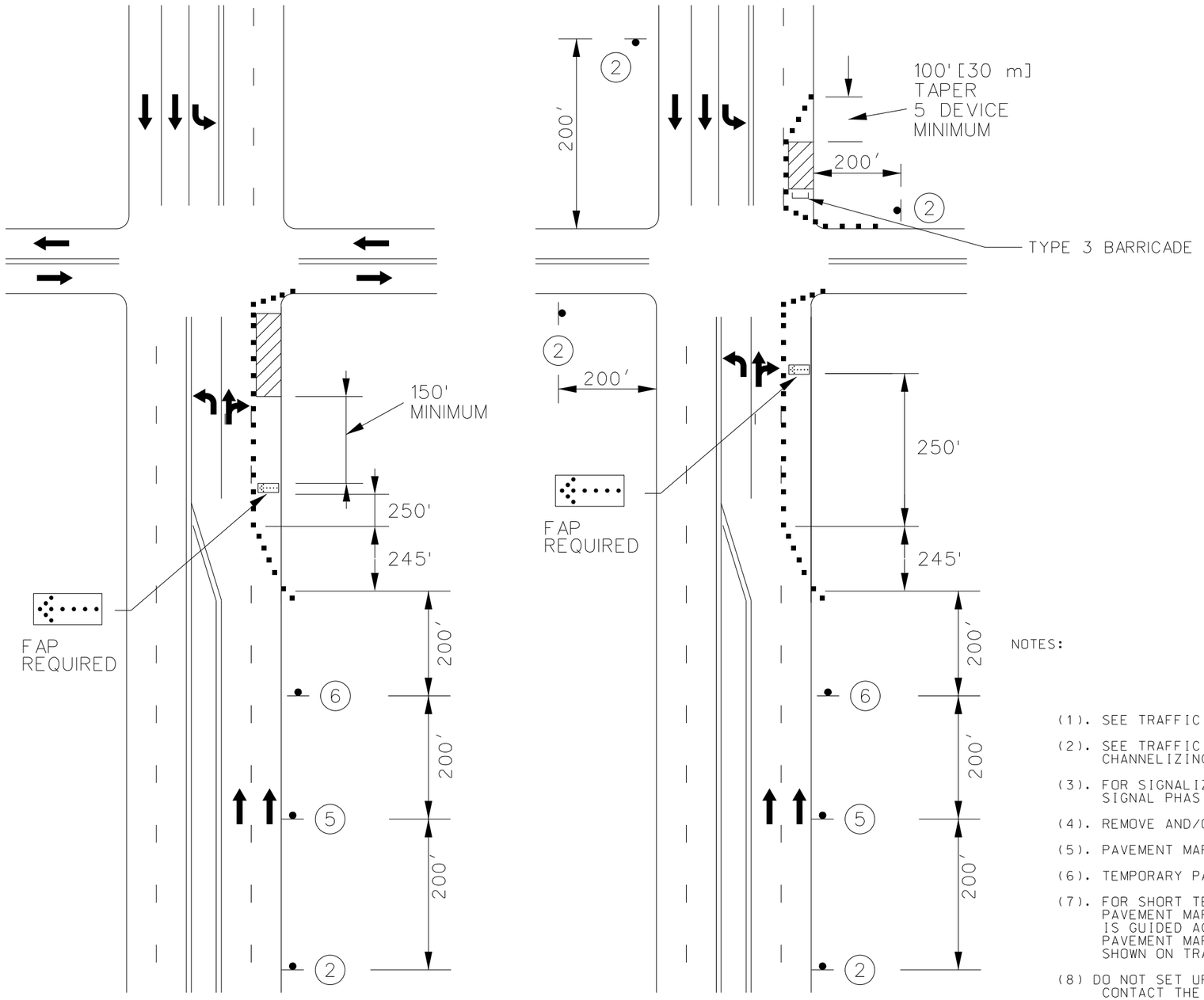
DATE PREPARED 3/18/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 24
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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)

TREKK DESIGN GROUP, LLC
1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com
Missouri Cert. of Authority 2002010300



WORK ON NEAR SIDE

WORK ON FAR SIDE

LANE CLOSURE
RIGHT LANE CLOSURE AT INTERSECTION

W020-1
(2)

W020-5
(5)

W020-6a
(6)

NOTES:

(1). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

(2). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

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

(4). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

(5). PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

(6). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

(7). FOR SHORT TERM OPERATIONS, WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT MARKING, A 10' DEVICE SPACING IS USED WHERE TRAFFIC IS GUIDED ACROSS DOUBLE YELLOW LINES OR OTHER CONFLICTING PAVEMENT MARKINGS. ALL OTHER SPACINGS ARE ONE HALF OF THE SPACING SHOWN ON TRAFFIC CONTROL SHEET 1.

(8) DO NOT SET UP A WORK ZONE IF IT CONFLICTS WITH THE SIGNAL LIGHTS, CONTACT THE APPROPRIATE PERSONNEL.

RIGHT LANE CLOSURE
AT INTERSECTION

TEMPORARY TRAFFIC CONTROL

SHEET 3 OF 10

STATE OF MISSOURI
TERESA A. KRENNING
NUMBER PE-027536
PROFESSIONAL ENGINEER

DATE PREPARED
3/18/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	25

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

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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Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com

Missouri Cert. of Authority 2002010390

TREKK DESIGN GROUP, LLC

NOTE:

(1). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

(2). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

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

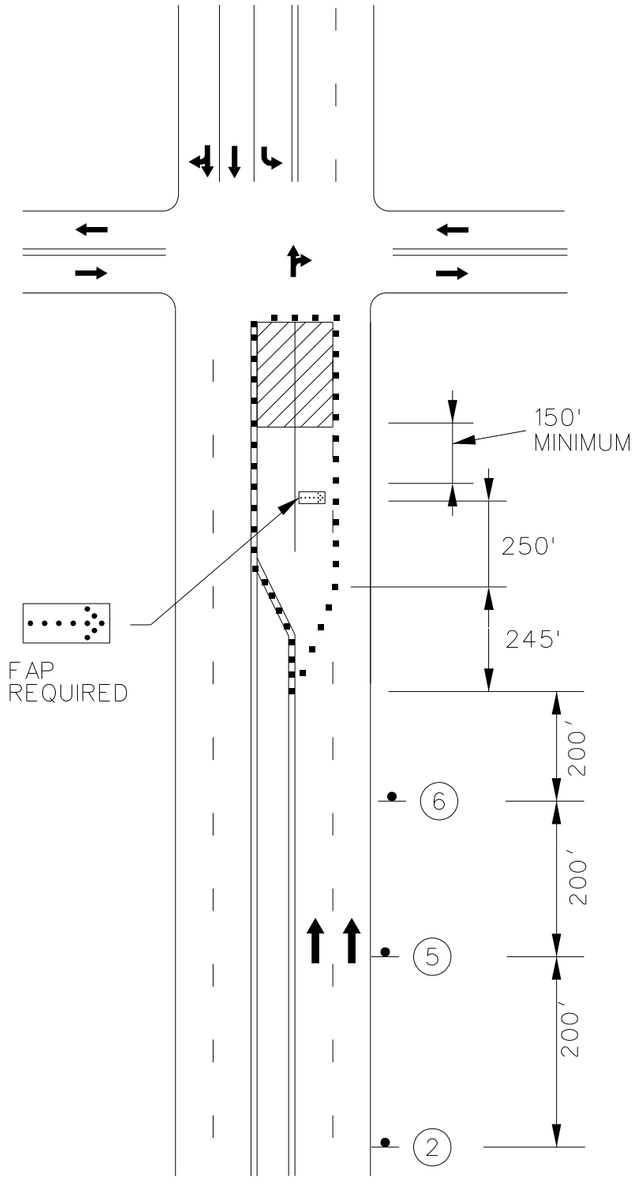
(4). REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKINGS AS NEEDED.

(5). PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

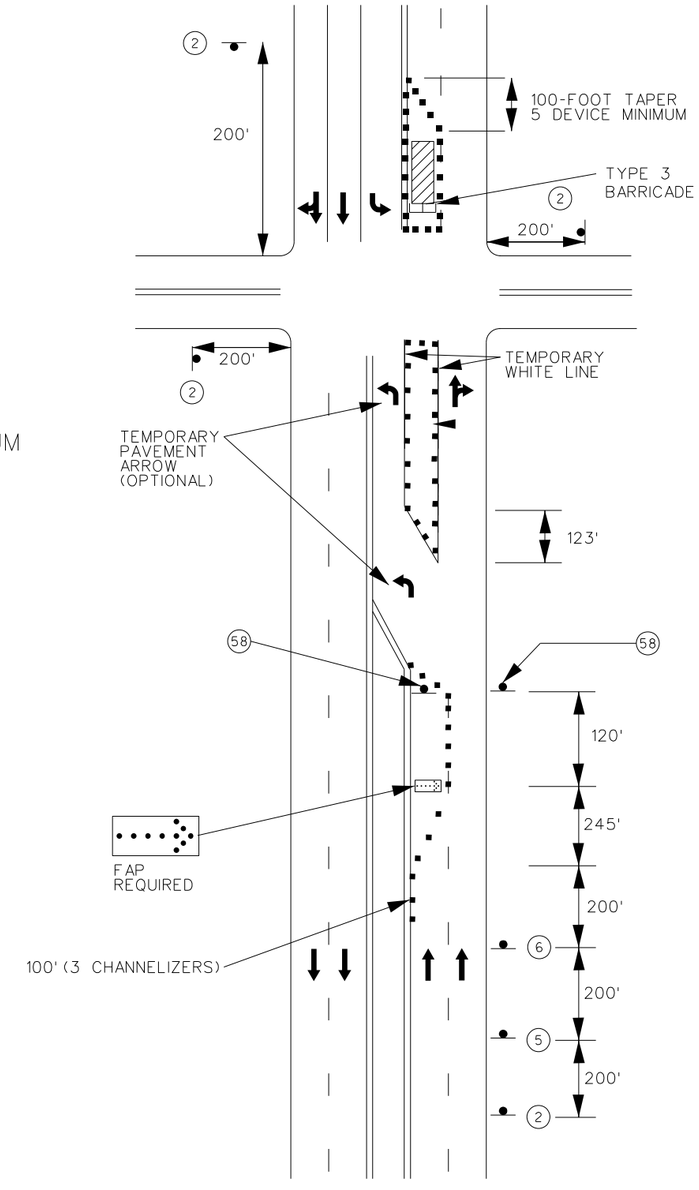
(6). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

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

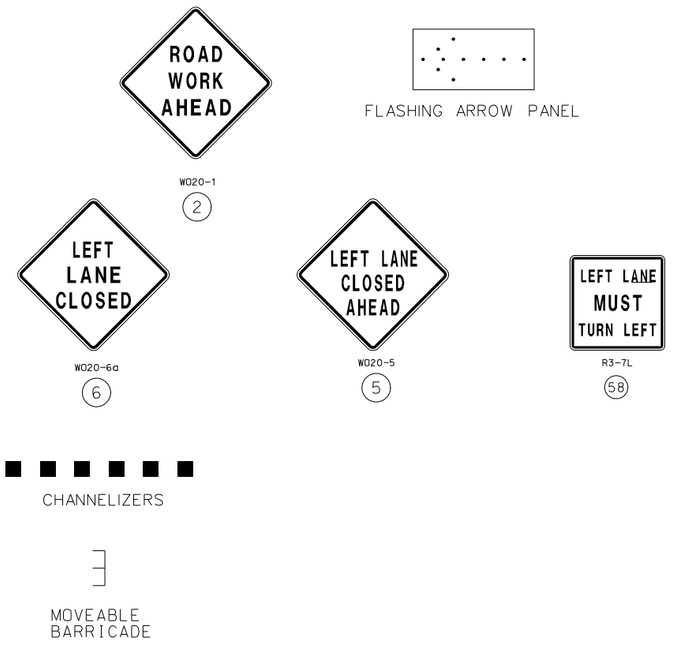
(8). "LEFT LANE CLOSED AHEAD" SIGN MAY BE OMITTED IN LOW SPEED URBAN AREAS WHERE THERE IS NOT SUFFICIENT SPACE FOR THE FULL SIGN SERIES.



WORK ON NEAR SIDE



WORK ON FAR SIDE



LEFT LANE CLOSURE
AT INTERSECTION

TEMPORARY TRAFFIC CONTROL

SHEET 4 OF 10

TERESA A. KRENNING
NUMBER PE-027536
STATE OF MISSOURI
PROFESSIONAL ENGINEER

DATE PREPARED	3/18/2025
ROUTE	100
STATE	MO
DISTRICT	SL
SHEET NO.	26
COUNTY	ST. LOUIS CITY
JOB NO.	JSL0073
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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

DATE	DESCRIPTION

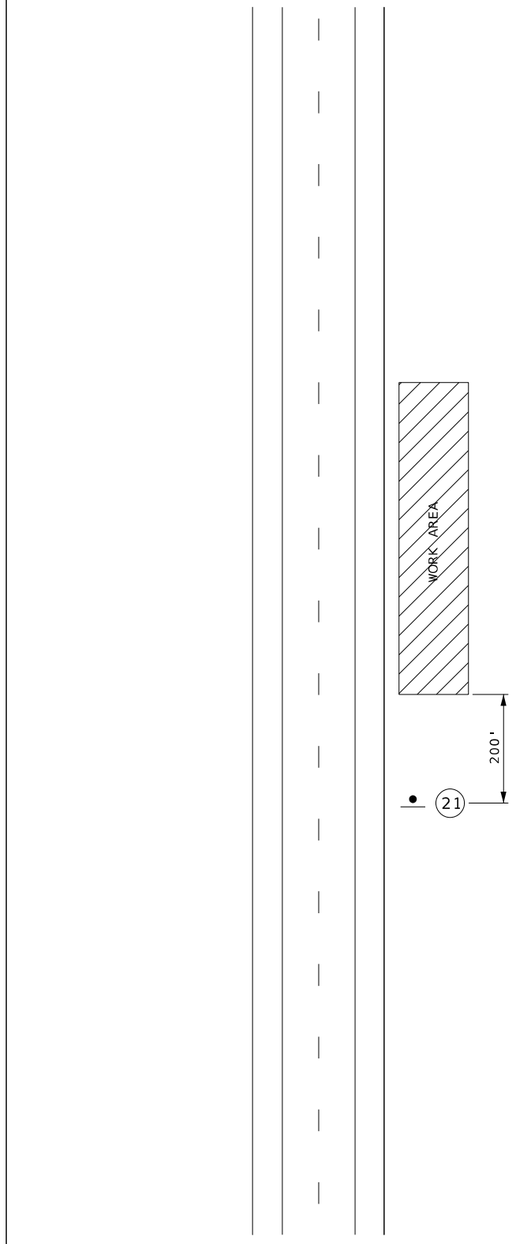
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4855
Fax (816) 874-4875
www.trekdesigngroup.com

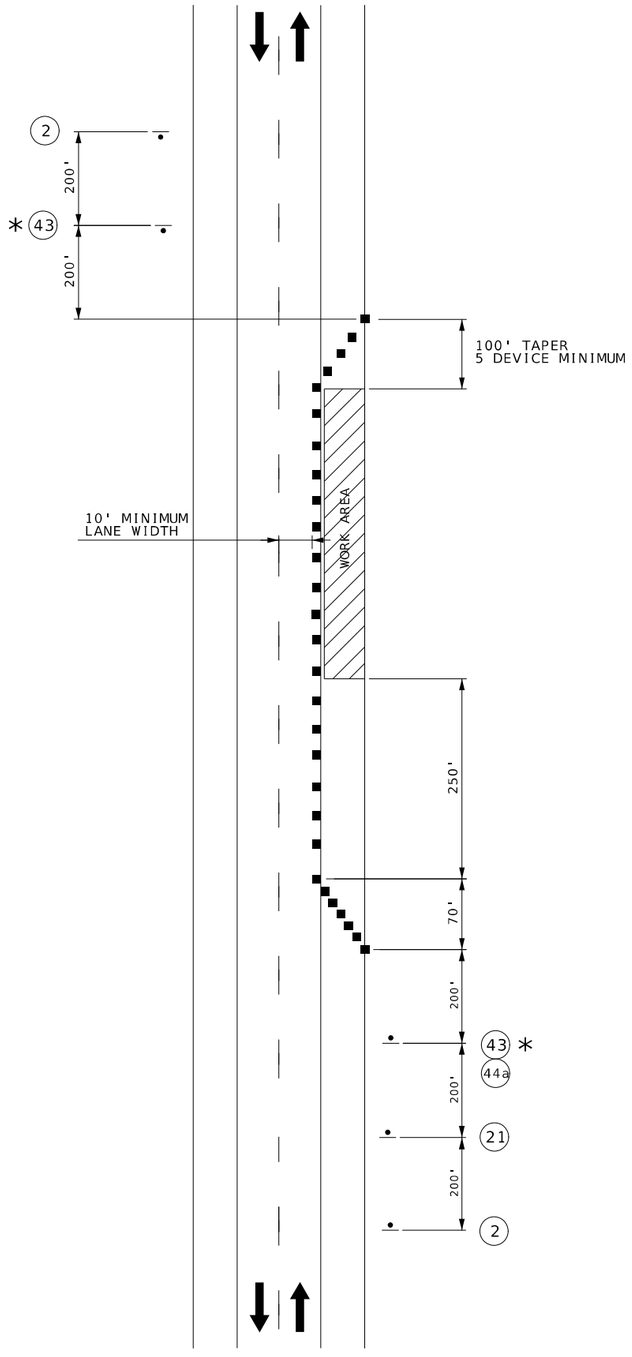
Missouri Cert. of Authority 2002010300

TREKK DESIGN GROUP, LLC

NOT TO SCALE



WORK BEYOND THE SHOULDER



SHOULDER WORK

WO20-1

2

WO21-5

21

WO5-1

43

WO7-3a

(PLAQUE NOT USED IF LESS THAN ONE MILE.)

44a * OMIT SIGN 43 FOR NO TRAVELWAY ENCROACHMENT.

WORK ON OR BEYOND
THE SHOULDER

TEMPORARY TRAFFIC CONTROL

SHEET 5 OF 10

TERESA A. KRENNING
NUMBER PE-027536
STATE OF MISSOURI
PROFESSIONAL ENGINEER

DATE PREPARED
3/18/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	27

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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)

MoDOT

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Kansas City, MO 64131
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www.trekkdesigngroup.com

Missouri Cert. of Authority 2002010300

TREKK DESIGN GROUP, LLC

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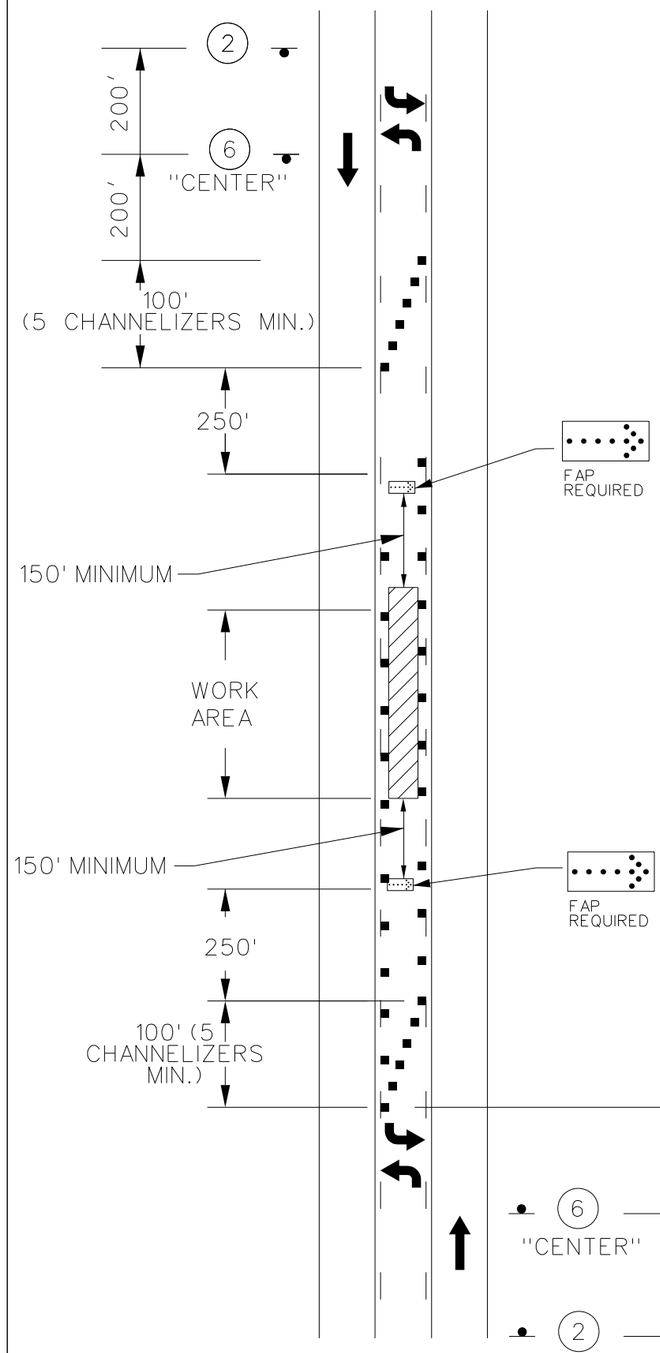
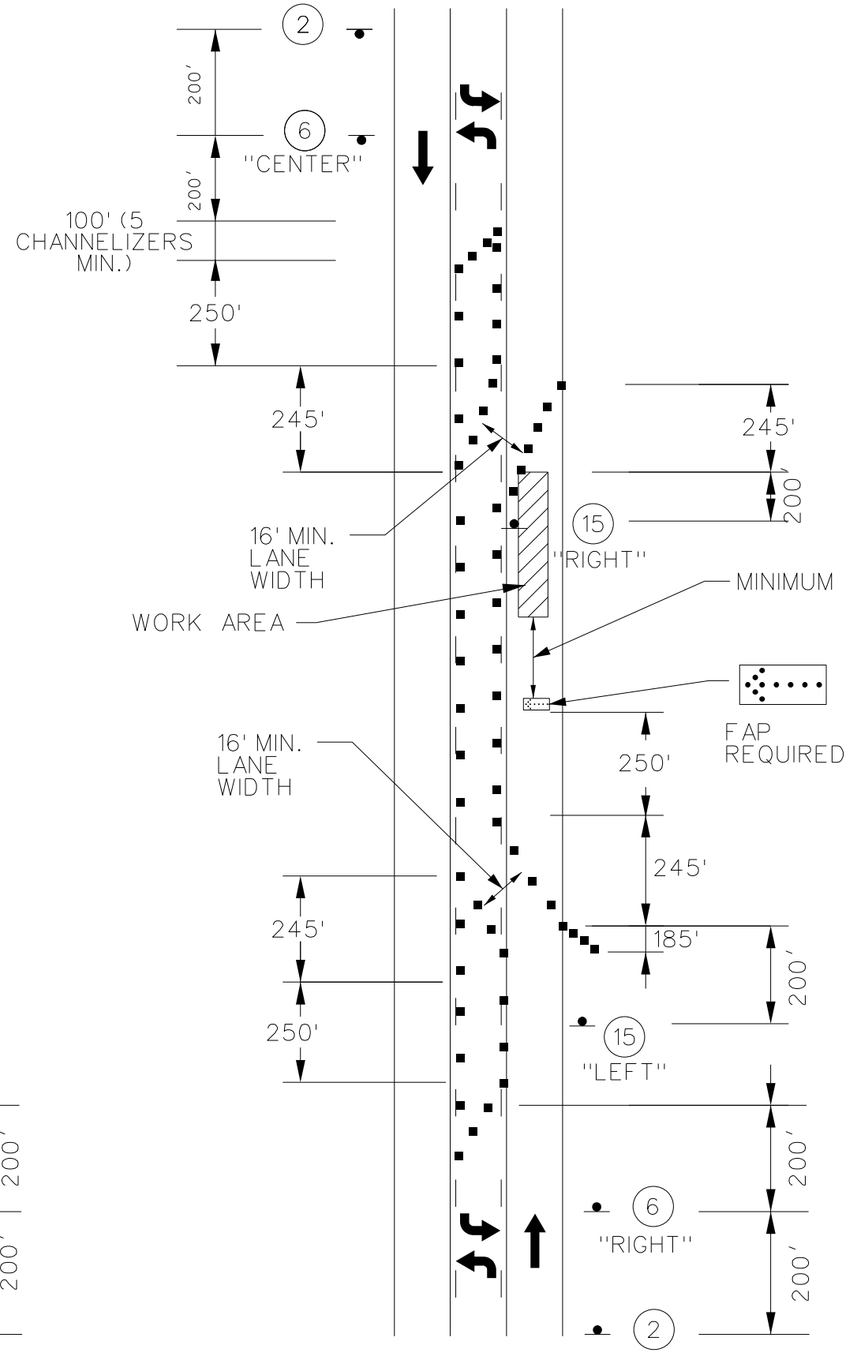


CENTER TURN LANE
LANE CLOSURE



LANE CLOSURE WITH TWO-WAY
LEFT TURN LANE

W020-1
2

W020-6a
6

W01-4L
15

NOTES:

(1). SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

(2). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

LANE CLOSURE WITH
TWO-WAY LEFT TURN LANE

TEMPORARY TRAFFIC CONTROL

SHEET 6 OF 10

TERESA A. KRENNING
NUMBER PE-027536
PROFESSIONAL ENGINEER
STATE OF MISSOURI

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

DATE PREPARED	
3/18/2025	
ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	28

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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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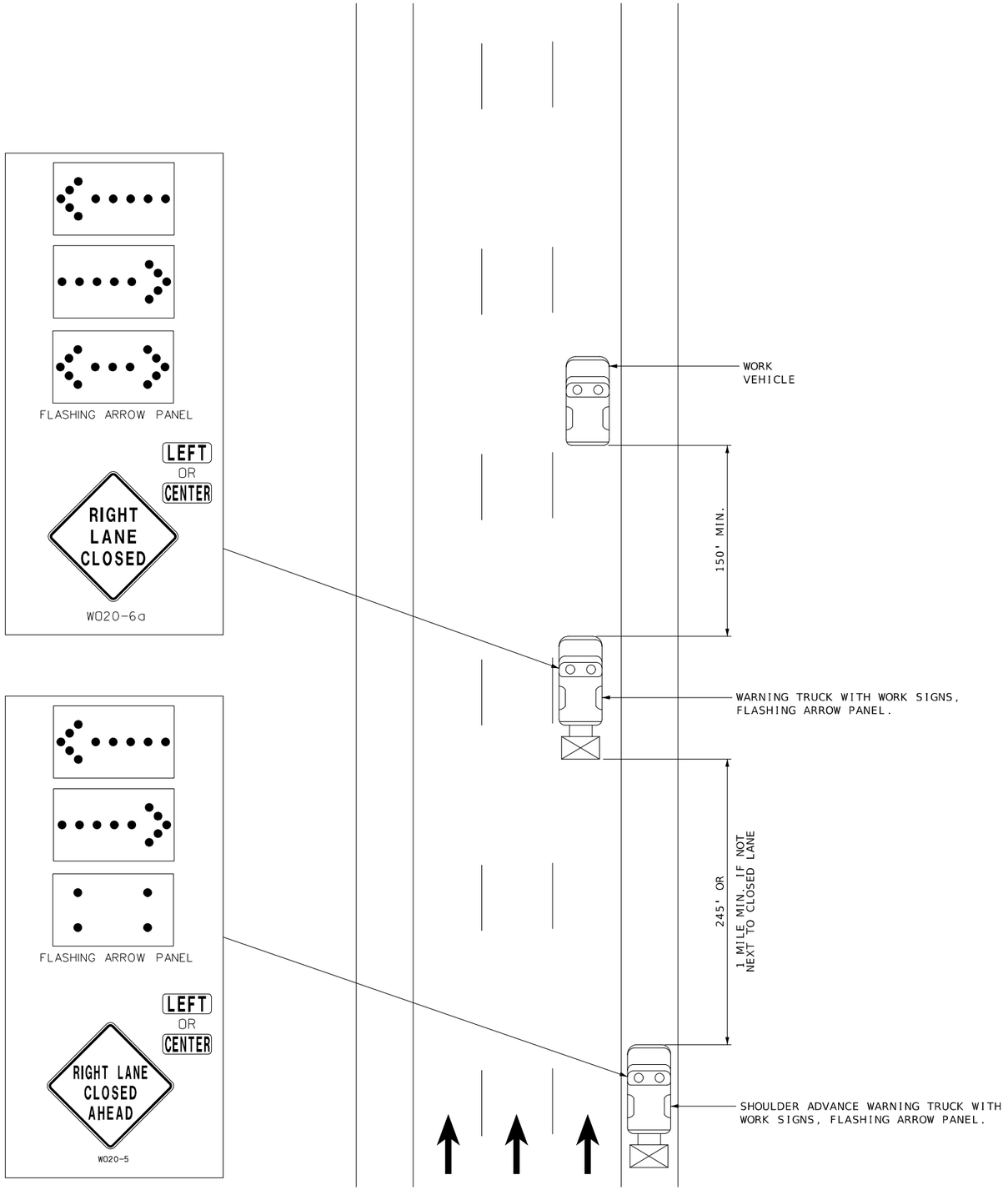
NOT TO SCALE



MOBILE ON MULTI-LANE HIGHWAY

NOTES:

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

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

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

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

FLASHING ARROW PANELS SHALL BE INCIDENTAL WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

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

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

MOBILE MULTI-LANE HIGHWAY
TEMPORARY TRAFFIC CONTROL

TERESA A. KRENNING
NUMBER PE-027536
STATE OF MISSOURI
PROFESSIONAL ENGINEER

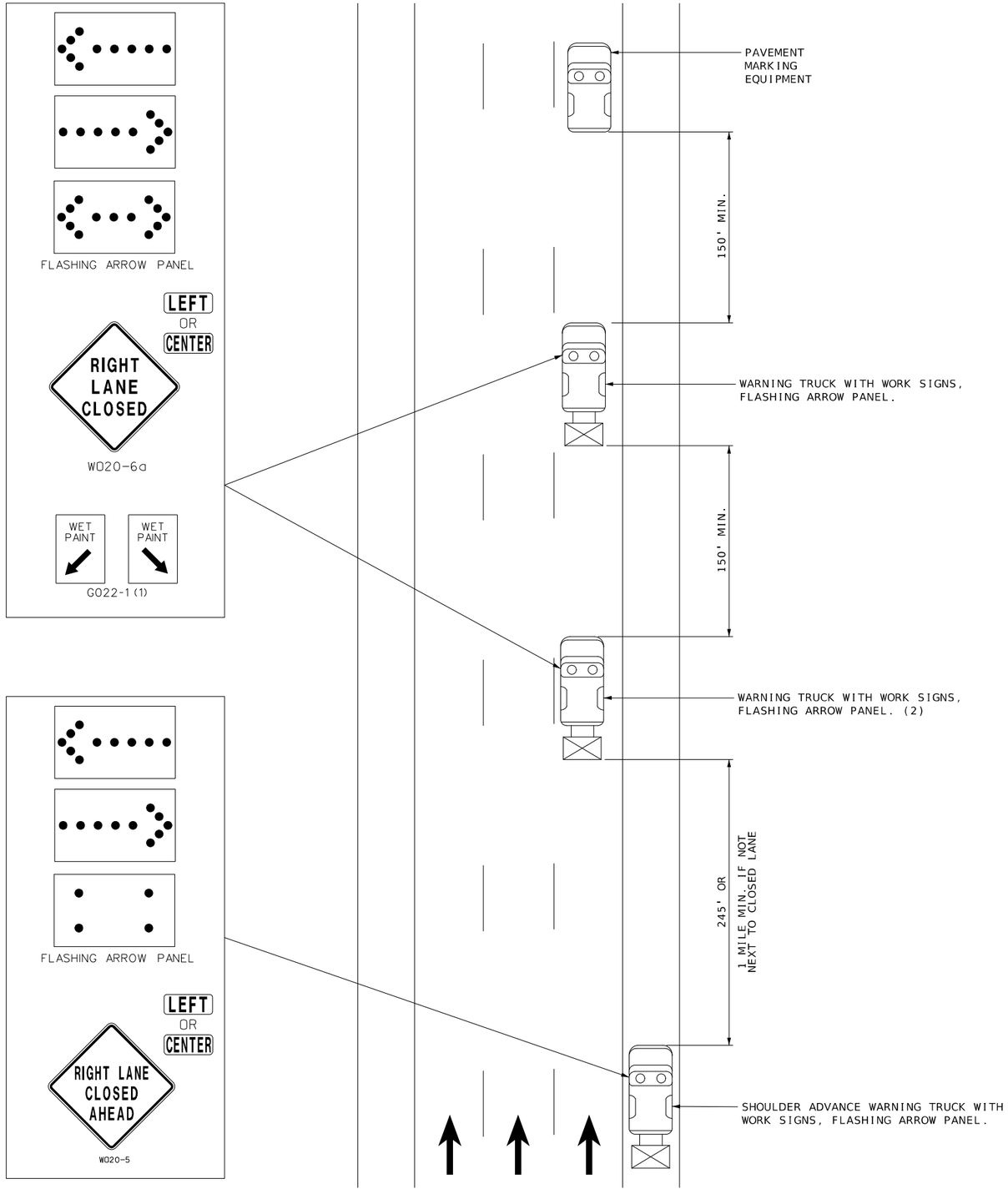
DATE PREPARED 3/18/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 29
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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)

TREKK DESIGN GROUP, LLC
1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com
Missouri Cert. of Authority 2002010390



STRIPING ON MULTI-LANE HIGHWAY

NOT TO SCALE

NOTES:

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

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

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

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

FLASHING ARROW PANELS SHALL BE INCIDENTAL WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

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

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

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

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

STRIPING ON MULTI-LANE HIGHWAY
TEMPORARY TRAFFIC CONTROL
SHEET 8 OF 10

TERESA A. KRENNING NUMBER PE-027536
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED 3/18/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 30
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

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Kansas City, MO 64131
Tel (816) 874-4655
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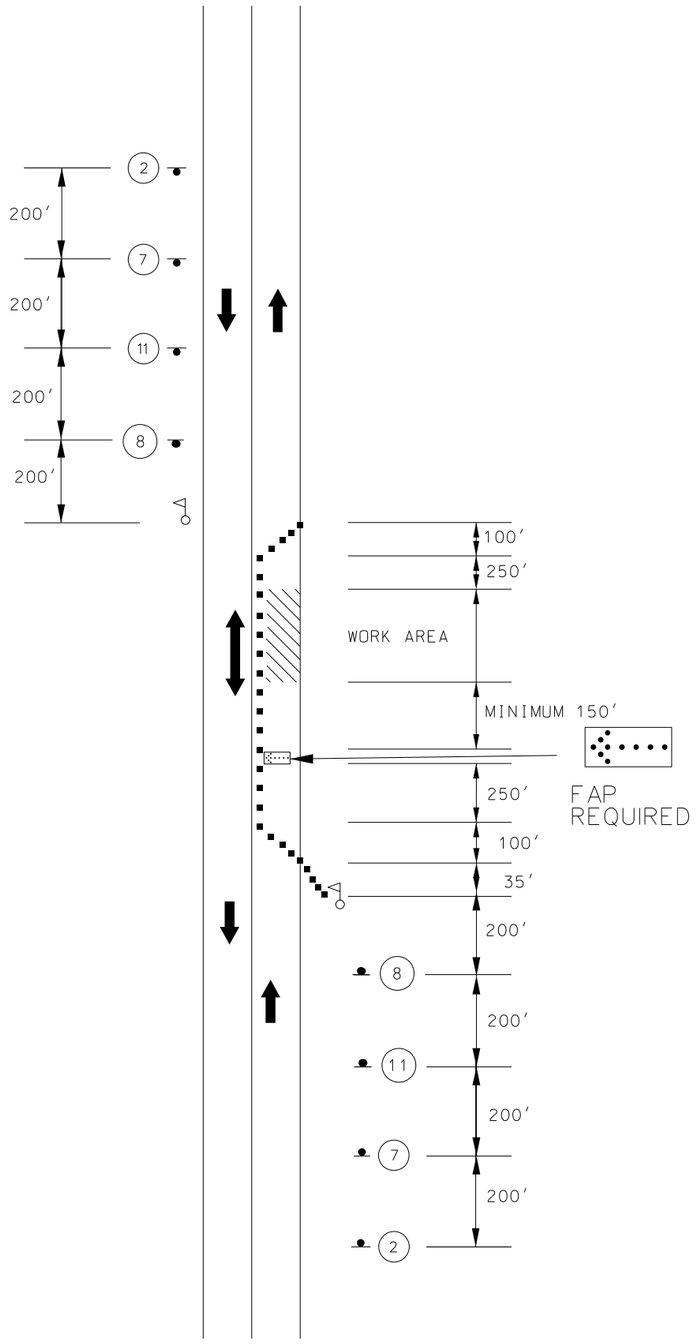
TREKK DESIGN GROUP, LLC

G:\22-0459 TWM MoDOT SL Rt 100 - City Limit to I-55\Design\CADD\Sheets\030_TC_08_JSL0073_I20.dgn 9:32:30 AM 3/18/2025



LANE CLOSURE
ON TWO-LANE
ROAD USING FLAGGERS

W020-1
(2)

W020-4
(7)

W03-4
(11)

USED WHEN NO WORK
ZONE SPEED LIMIT
IS ESTABLISHED

W020-7a

W016-2
(OPTIONAL)
(8)

- FLAGGER

CHANNELIZERS

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

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

IF RUMBLE STRIPS ARE USED, REVIEW RUMBLE STRIPS.

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

ONE LANE CLOSURE TWO WAY
FLAGGER CONTROL

TEMPORARY TRAFFIC CONTROL

SHEET 9 OF 10

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TERESA A. KRENNING
NUMBER PE-027536

DATE PREPARED
3/18/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	31

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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)

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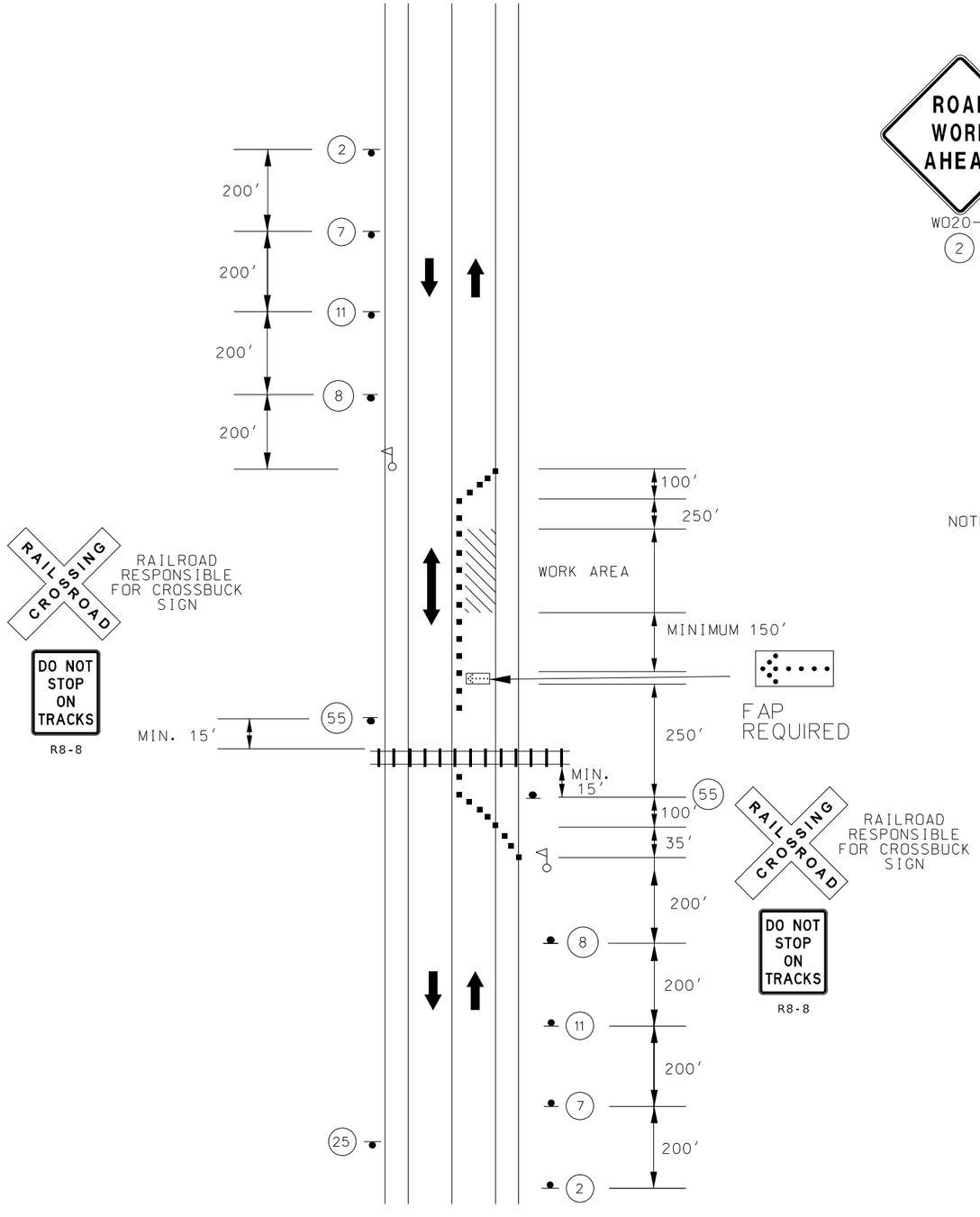
Authority 2002010300

TREKK DESIGN GROUP, LLC



TA-10
LANE CLOSURE
ON TWO-LANE
ROAD USING FLAGGERS

W020-1
2

W020-4
7

W03-4
11

USED WHEN NO WORK ZONE SPEED LIMIT IS ESTABLISHED

W020-7a

W016-2
(OPTIONAL)
8

- FLAGGER

CHANNELIZERS

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

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

IF RUMBLE STRIPS ARE USED, REVIEW RUMBLE STRIPS.

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

STATIONARY WORK IN THE VICINITY OF A GRADE CROSSING

TEMPORARY TRAFFIC CONTROL

SHEET 10 OF 10

STATE OF MISSOURI
TERESA A. KRENNING
NUMBER PE-027536
PROFESSIONAL ENGINEER

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

DATE PREPARED 3/18/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	32

COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

TREKK DESIGN GROUP, LLC
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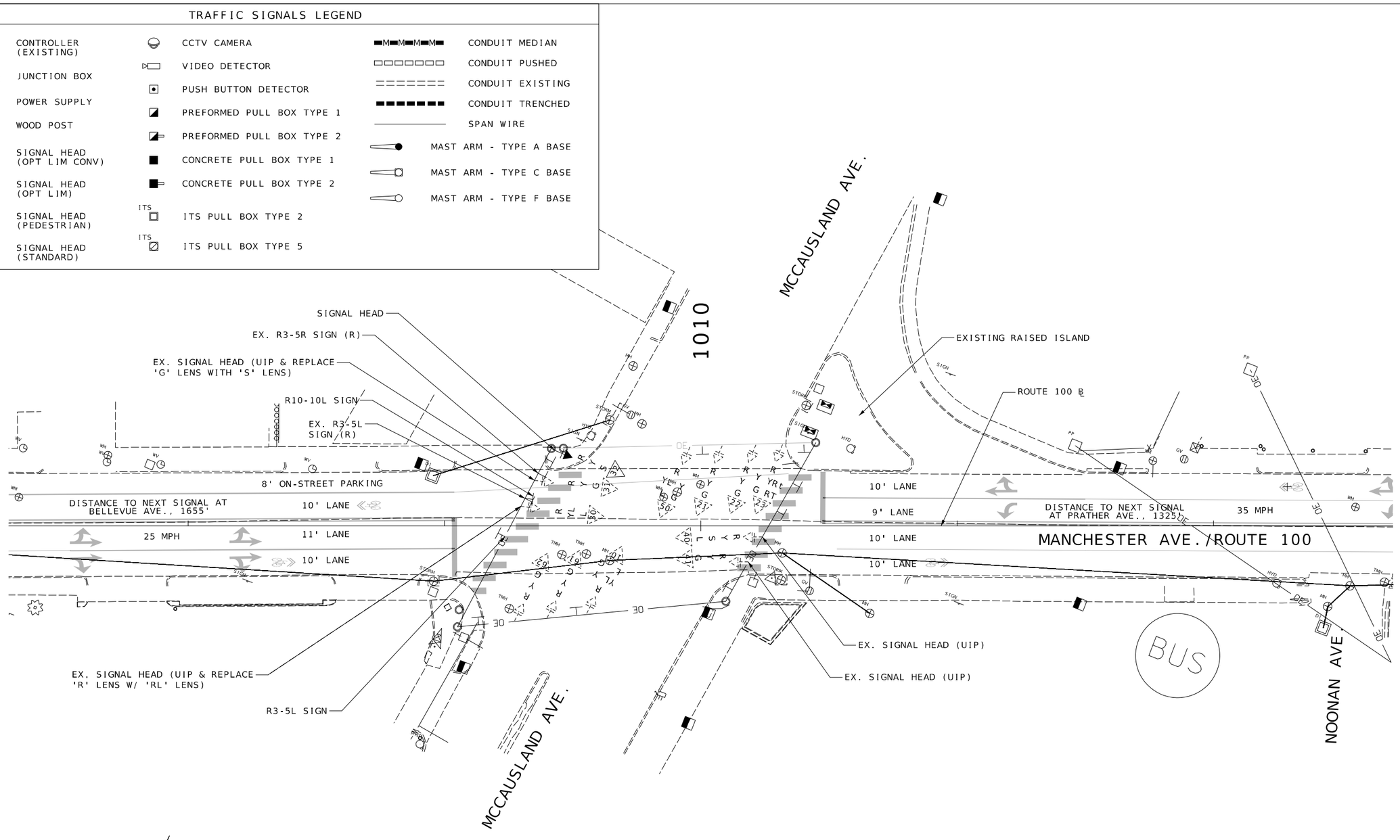
Missouri Cert. of Authority 2002010300

TRAFFIC SIGNALS LEGEND

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



SCALE

0 20 40 60

NOTES:
1. INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
2. LEADING PEDESTRIAN INTERVALS TO BE ADDED TO ALL SIGNALS
3. VIDEO DETECTION ZONES TO BE MODIFIED AS NECESSARY

ROUTE 100 & McCAUSLAND AVE.
INTERSECTION

TRAFFIC SIGNAL SHEET
SHEET 1 OF 27

TERESA A. KRENNING NUMBER PE-027536
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED 3/18/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	33

COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
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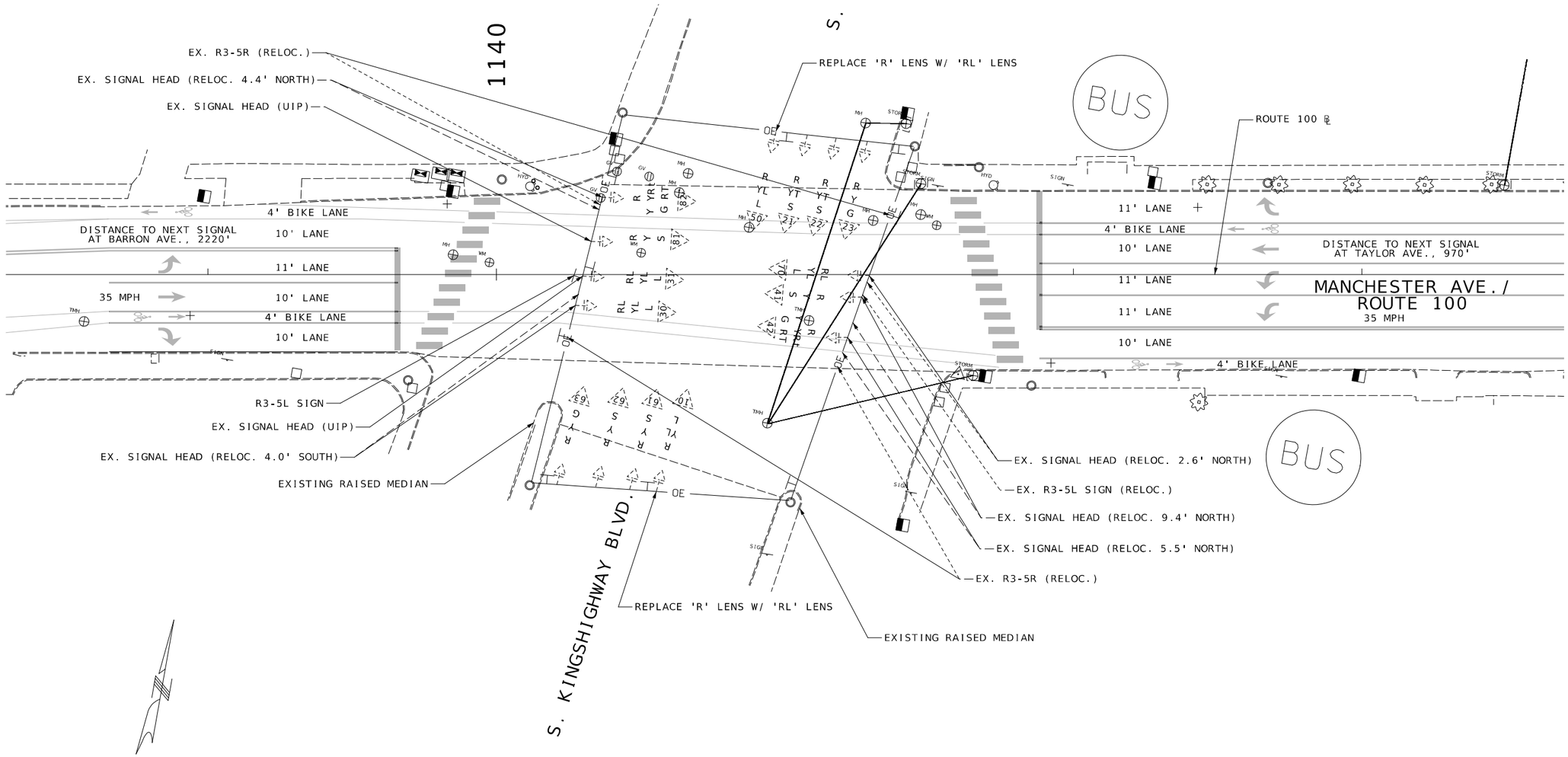
EFFECTIVE: 07-01-2018

| POST NUMBER | PULL BOX NUMBER | LOCATION | | | BASE | | | | | | | | | | | | C | CONCRETE** (CU. YDS.) | PULL BOX | | | | | | | | POST | | | | | | | | | | | |

TRAFFIC SIGNALS LEGEND

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



SCALE
0 20 40 60

NOTES:
1. INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
2. LEADING PEDESTRIAN INTERVALS TO BE ADDED TO ALL SIGNALS
3. VIDEO DETECTION ZONES TO BE MODIFIED AS NECESSARY

ROUTE 100 & S. KINGSHIGHWAY BLVD.
INTERSECTION

TRAFFIC SIGNAL SHEET
SHEET 3 OF 27

STATE OF MISSOURI
TERESA A. KRENNING
NUMBER PE-027536
PROFESSIONAL ENGINEER

DATE PREPARED 3/18/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 35
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

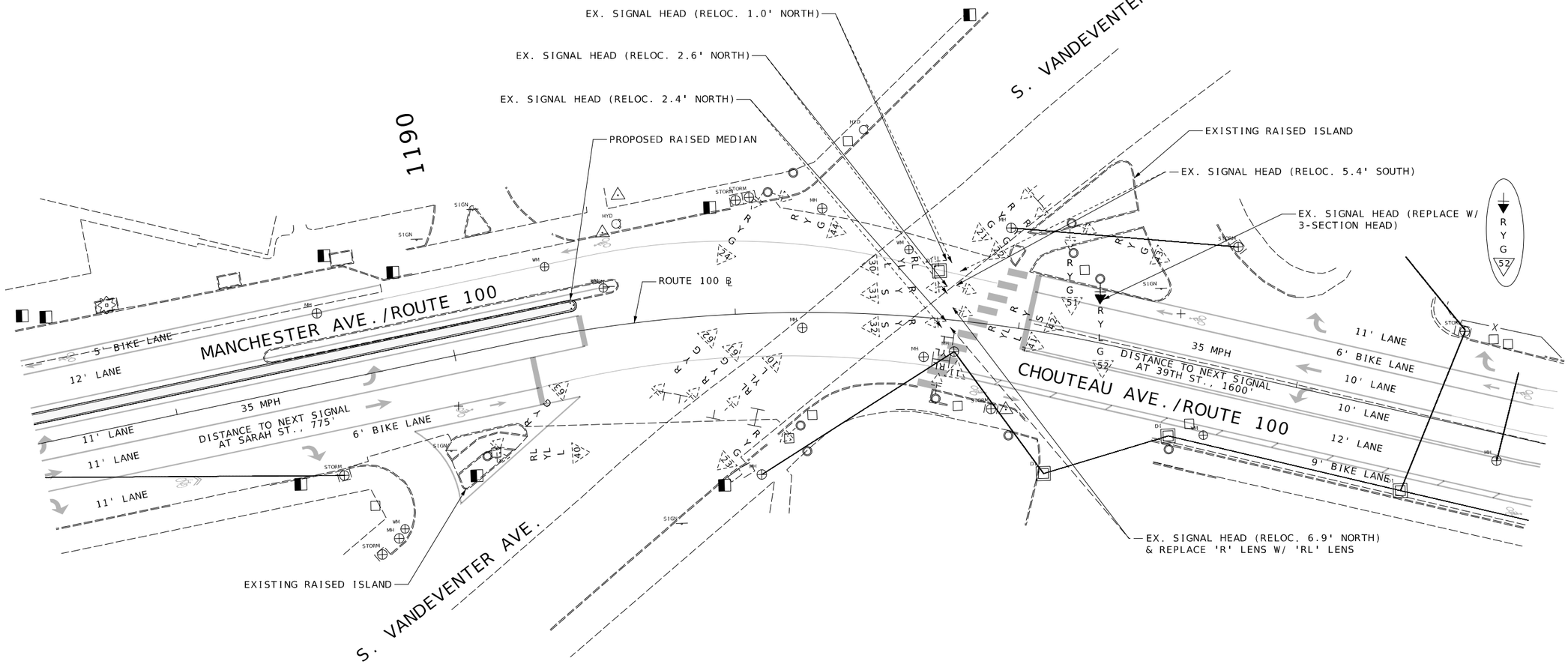
1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekdesigngroup.com
Missouri Cert. of Authority 2002010300
TREKK DESIGN GROUP, LLC

G:\22-0459 TWM MoDOT SL Rt 100 - City Limit to I-55\Design\CADD\Sheets\035_SG_03_JSL0073_I20.dgn 9:32:55 AM 3/18/2025

EFFECTIVE: 07-01-2018

| POST NUMBER | PULL BOX NUMBER | LOCATION | | | BASE | | | | | | | | | | | | C | CONCRETE** (CU. YDS.) | PULL BOX | | | | | | | | | POST | | | | | | | | | | | |

NOTES:
1. INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
2. LEADING PEDESTRIAN INTERVALS TO BE ADDED TO ALL SIGNALS
3. VIDEO DETECTION ZONES TO BE MODIFIED AS NECESSARY



TRAFFIC SIGNALS LEGEND

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

SCALE
0 20 40 60

ROUTE 100 & S. VANDEVENTER AVE.
INTERSECTION
TRAFFIC SIGNAL SHEET
SHEET 5 OF 27

TERESA A. KRENNING NUMBER PE-027536
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED 3/18/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 37
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekdesigngroup.com

Missouri Cert. of Authority 2002010300

TREK DESIGN GROUP, LLC

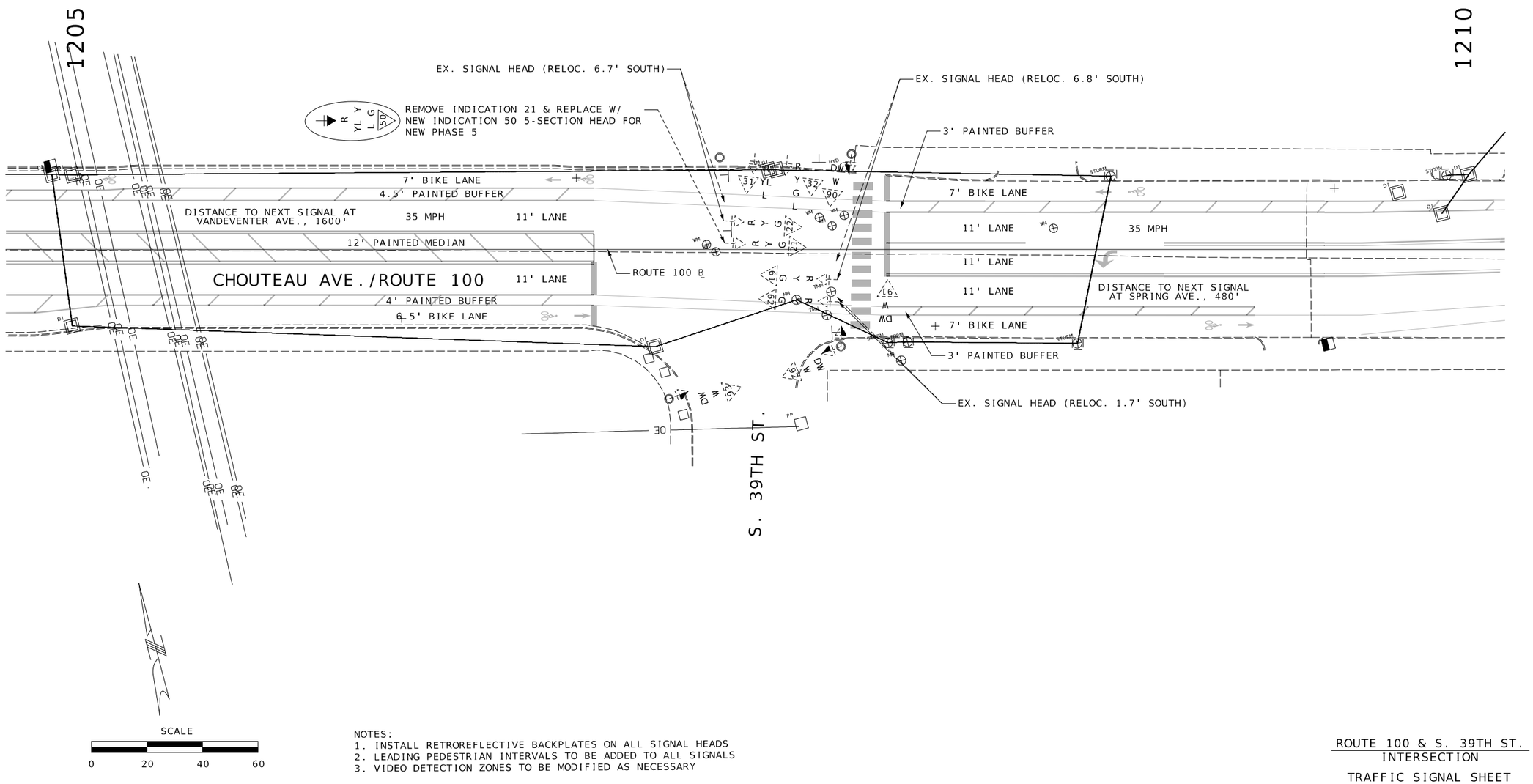
G:\22-0459 TWM MoDOT SL Rt 100 - City Limit to I-55\Design\CADD\Sheets\037_SG_05_JSL0073_I20.dgn 9:33:00 AM 3/18/2025

EFFECTIVE: 07-01-2018

| POST NUMBER | PULL BOX NUMBER | LOCATION | | | BASE | | | | | | | | | | | | C | CONCRETE** (CU. YDS.) | PULL BOX | | | | | | | | | POST | | | | | | | | | | | |

TRAFFIC SIGNALS LEGEND

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



SCALE
0 20 40 60

NOTES:
1. INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
2. LEADING PEDESTRIAN INTERVALS TO BE ADDED TO ALL SIGNALS
3. VIDEO DETECTION ZONES TO BE MODIFIED AS NECESSARY

ROUTE 100 & S. 39TH ST.
INTERSECTION

TRAFFIC SIGNAL SHEET
SHEET 7 OF 27

TERESA A. KRENNING NUMBER PE-027536
STATE OF MISSOURI PROFESSIONAL ENGINEER

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

DATE PREPARED	
3/18/2025	
ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	39

COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekdesigngroup.com
Missouri Cert. of Authority 2002010300
TREKK DESIGN GROUP, LLC

G:\22-0459 TWM MoDOT SL Rt 100 - City Limit to I-55\Design\CADD\Sheets\039_SG_07_JSL0073_I20.dgn 9:33:05 AM 3/18/2025

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	F 9	F 9.5	F 10	F 10.5	F 11	F 12	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	DRAIN TYPE* II A	II B	II C	POST: TOP MOUNT POST 8 FT.	15 FT.
		CONTROLLER	(AS REQ'D)																												

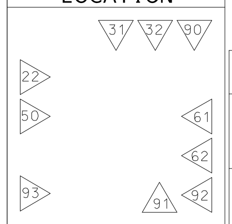
POST NUMBER	TYPE C & CL: ARM LENGTH A	A	A	A	SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D	D'	TYPE B & BL: ARM LENGTH E	K	E	K	E	K	LEFT ARM E: SIGNAL SPACING F	G	H	H'	SIGN SPACING F	G	H	H'	RIGHT ARM K: SIGNAL SPACING L	M	N	N'	SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
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 | ped | 12" LENS OPTICAL LIMITING R | Y | YL | YRt | YL | YRt | G | S | L | Rt | VISORS * 12" LENS | 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 | S | C | B | 3- T | S | C | B | 4- T | S | C | B | 5- T | S | C | B | TWO-FACE SECTIONS 11- T | S | B | 33- T | S | C | B | 34- S | B | 35- S | B | 44- S | B | 45- S | B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---

EFFECTIVE 12/01/2017

SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø2	PED Ø3	PED Ø	PED Ø
	NOT USED				NOT USED			NOT USED	NOT USED				
FACE NUMBERS		50	31	32		50	61			92	90		
		22					62			93	91		
SIGNAL INDICATIONS R		R	R	R			R			DW	DW		
Y		Y	YL	Y		YL	Y						
FYA													
G		G	L	G		L	G			W	W		
				L									
DETECTOR ASSIGNMENTS													
DETECTOR ASSIGNMENTS (PEDS. ONLY)													
OVERLAP PARENT PHASES													

RING STRUCTURE

	PHASE 1	PHASE 2	PHASE 3	PHASE 4
RING 1	NOT USED			NOT USED
RING 2			NOT USED	NOT USED
	PHASE 5	PHASE 6	PHASE 7	PHASE 8

BARRIER

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
- Y -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 (UIP)	FR
	FY

CONTROLLER TYPE	NEMA 8Ø (UIP)

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF ROUTE 100

WITH 39TH ST.

TRAFFIC SIGNAL SHEET
SHEET 9 OF 27

D-38A

STATE OF MISSOURI
TERESA A. KRENNING
NUMBER PE-027536
PROFESSIONAL ENGINEER

DATE PREPARED	
3/18/2025	
ROUTE 100	STATE MO
DISTRICT SL	SHEET NO. 41
COUNTY ST. LOUIS CITY	
JOB NO. JSL0073	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

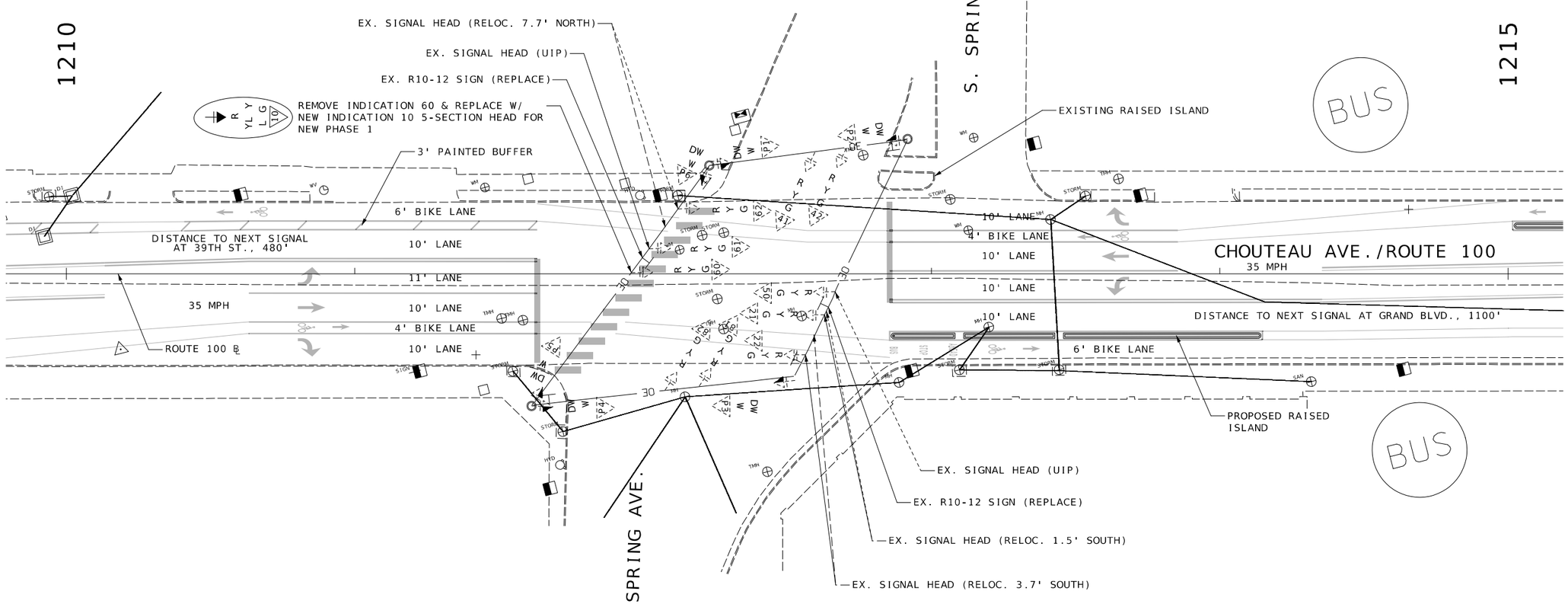
MoDOT

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com
Missouri Cert. of Authority 2002010300
TREKK DESIGN GROUP, LLC

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

TRAFFIC SIGNALS LEGEND

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



SCALE
0 20 40 60

NOTES:
1. INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
2. LEADING PEDESTRIAN INTERVALS TO BE ADDED TO ALL SIGNALS
3. VIDEO DETECTION ZONES TO BE MODIFIED AS NECESSARY

ROUTE 100 & SPRING AVE.
INTERSECTION

TRAFFIC SIGNAL SHEET
SHEET 10 OF 27

TERESA A. KRENNING NUMBER PE-027536 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

DATE PREPARED	3/18/2025
ROUTE	100
STATE	MO
DISTRICT	SL
SHEET NO.	42
COUNTY	ST. LOUIS CITY
JOB NO.	JSL0073
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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

DESCRIPTION | DATE

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

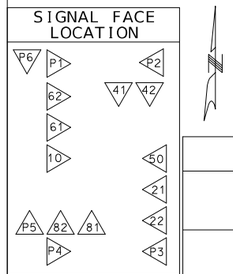
TREKK DESIGN GROUP, LLC
1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com
Missouri Cert. of Authority 2002010300

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 | F: 9 | F: 9.5 | F: 10 | F: 10.5 | F: 11 | F: 12 | 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 | B | C | TOP MOUNT POST: 8 FT. | 15 FT. | POST: 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' | SIGN SPACING: F | G | H | H' | RIGHT ARM K: SIGNAL SPACING: L | M | N | N' | SIGN SPACING: L | M | N | N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM*: 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE 12/01/2017

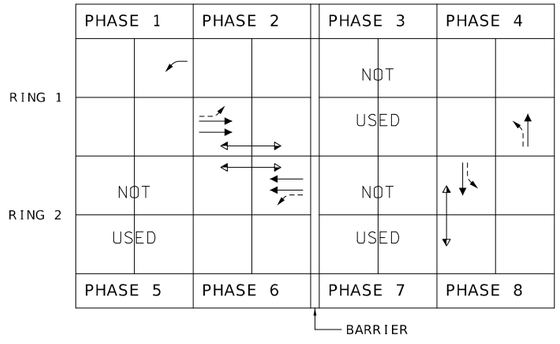
SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED 2P	PED 4P	PED 6P	PED 8P
			NOT USED		NOT USED		NOT USED					
FACE NUMBERS	10	21 50		41		61 10		81	P3		P1	P5
		22		42		62		82	P4		P2	P6
SIGNAL INDICATIONS R		R R		R		R R		R	DW		DW	DW
SIGNAL INDICATIONS Y	YL	Y Y		Y		Y Y		Y				
SIGNAL INDICATIONS FYA												
SIGNAL INDICATIONS G	L	G G		G		G G		G	W		W	W
DETECTOR ASSIGNMENTS												
DETECTOR ASSIGNMENTS (PEDS. ONLY)												
OVERLAP PARENT PHASES												

FACE NUMBERS / SIGNAL INDICATIONS (R, Y, FYA, G) / DETECTOR ASSIGNMENTS



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 (UIP)	FR
	FY

CONTROLLER TYPE	NEMA 8Ø (UIP)

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF ROUTE 100

WITH SPRING AVE.

TRAFFIC SIGNAL SHEET
SHEET 12 OF 27

D-38A

TERESA A. KRENNING
NUMBER PE-027536
PROFESSIONAL ENGINEER
STATE OF MISSOURI

DATE PREPARED 3/18/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	44

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION	DATE

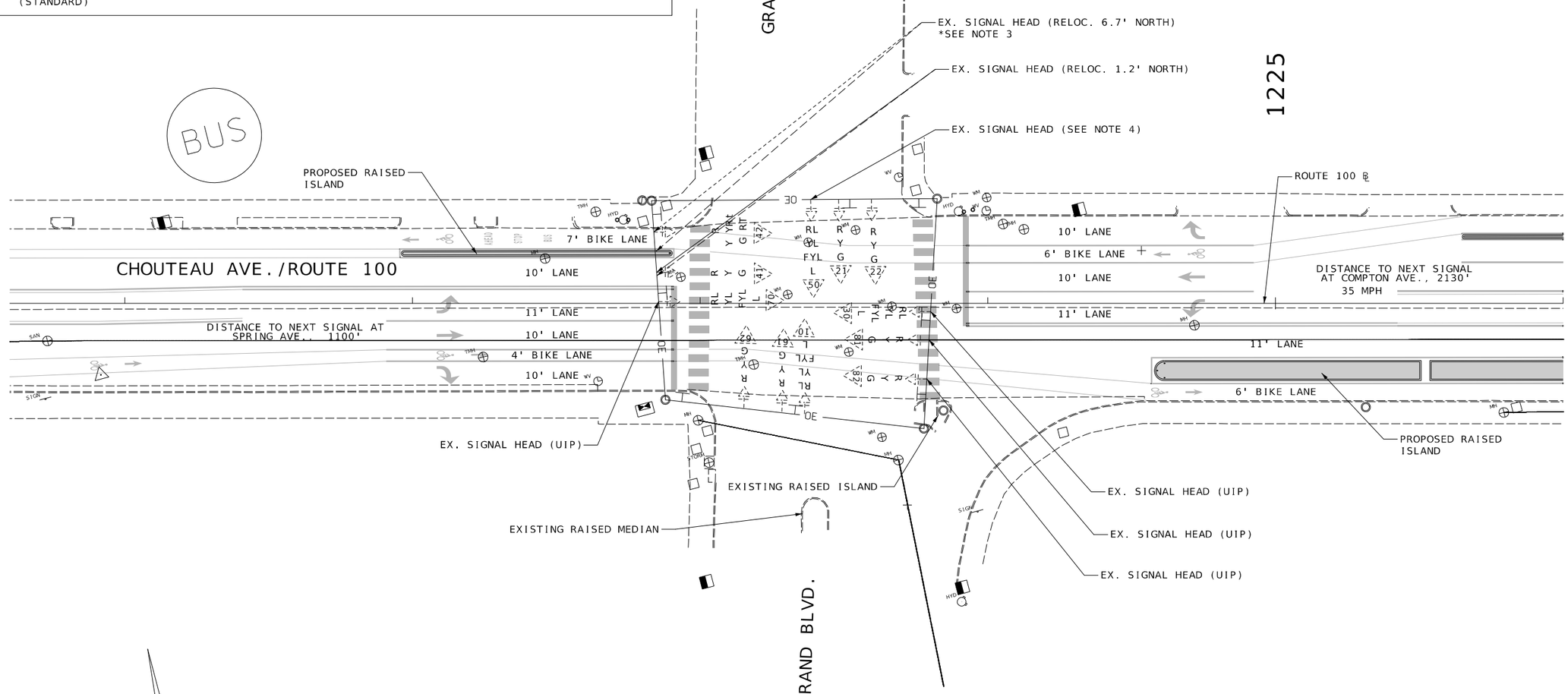
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

TREKK DESIGN GROUP, LLC
1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com
Missouri Cert. of Authority 2002010300

TRAFFIC SIGNALS LEGEND

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



SCALE
0 20 40 60

NOTES:
1. INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
2. LEADING PEDESTRIAN INTERVALS TO BE ADDED TO ALL SIGNALS
3. TO BE UPDATED BY OTHERS TO RYG 3-SECTION HEAD
4. TO BE INSTALLED BY OTHERS
5. VIDEO DETECTION ZONES TO BE MODIFIED AS NECESSARY

ROUTE 100 & GRAND BLVD.
INTERSECTION

TRAFFIC SIGNAL SHEET
SHEET 13 OF 27

TERESA A. KRENNING
NUMBER PE-027536
STATE OF MISSOURI
PROFESSIONAL ENGINEER

DATE PREPARED 3/18/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 45
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

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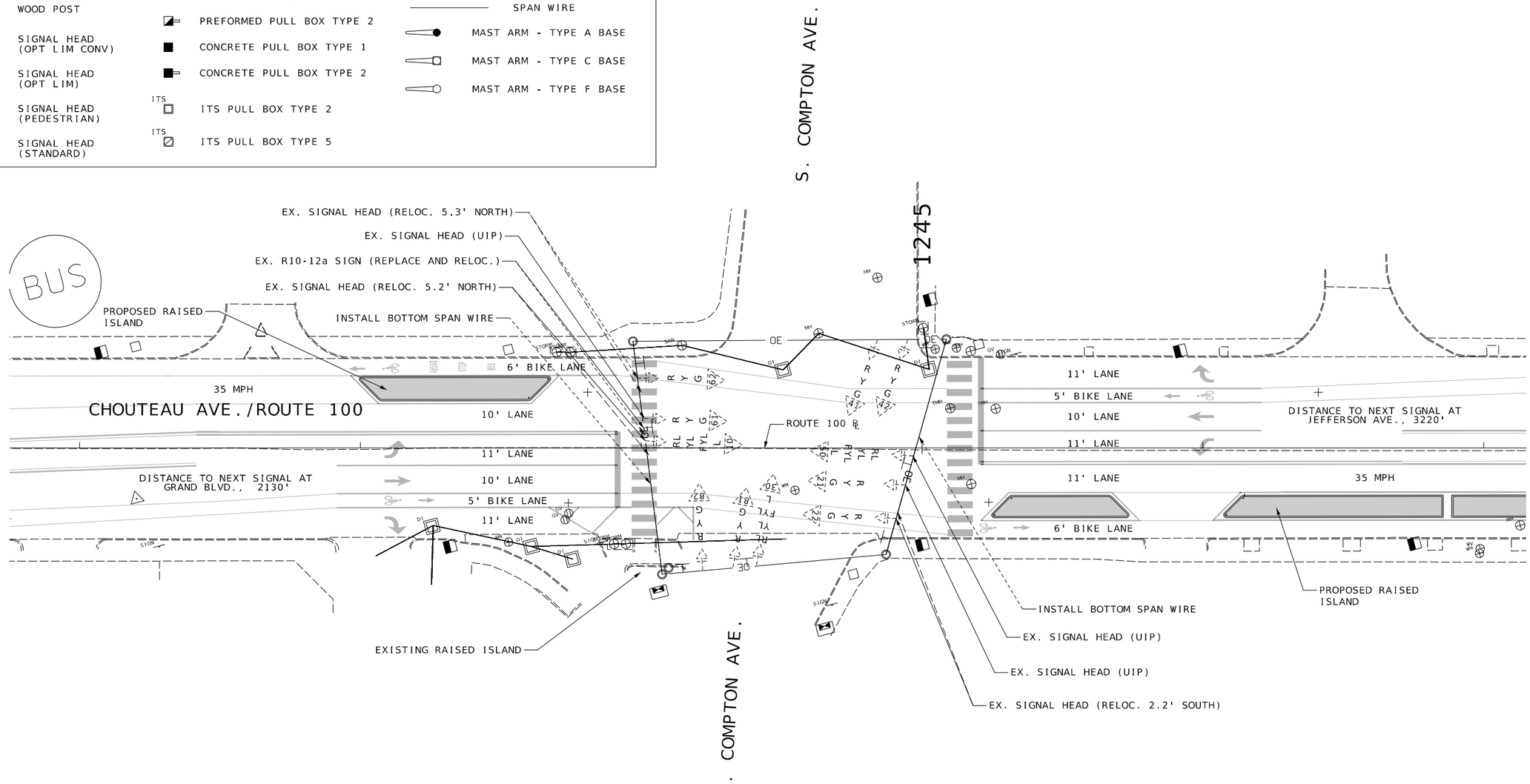
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com
Missouri Cert. of Authority 2002010300

EFFECTIVE: 07-01-2018

POST NUMBER	PULL BOX NUMBER	LOCATION: APPROACH	LOCATION: STATION	LOCATION: OFFSET	BASE: A (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE: F (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE: C	CONCRETE** (CU. YDS.)	PULL BOX: PREFORMED CLASS 1	PREFORMED CLASS 2	PREFORMED CLASS 3	PREFORMED CLASS 5	CONCRETE STANDARD	CONCRETE DOUBLE, TYPE A	CONCRETE DOUBLE, TYPE B	DRAIN TYPE* I: A B C	DRAIN TYPE* II: A B C	TOP MOUNT POST 8 FT.	TOP MOUNT POST 15 FT.	TYPE C & CL: ARM LENGTH A A A A	TYPE C & CL: SIGNAL SPACING B C D D'	TYPE C & CL: SIGN SPACING B C D D'	TYPE B & BL: ARM LENGTH E K E K E	TYPE B & BL: LEFT ARM E SIGNAL SPACING F G H H'	TYPE B & BL: LEFT ARM E SIGN SPACING F G H H'	TYPE B & BL: RIGHT ARM K SIGNAL SPACING L M N N'	TYPE B & BL: 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.
		CONTROLLER	(AS REQ'D)																															

TRAFFIC SIGNALS LEGEND

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



SCALE
0 20 40 60

NOTES:
1. INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
2. LEADING PEDESTRIAN INTERVALS TO BE ADDED TO ALL SIGNALS
3. VIDEO DETECTION ZONES TO BE MODIFIED AS NECESSARY

ROUTE 100 & S. COMPTON AVE.
INTERSECTION

TRAFFIC SIGNAL SHEET
SHEET 15 OF 27

TERESA A. KRENNING
NUMBER PE-027536
STATE OF MISSOURI
PROFESSIONAL ENGINEER

DATE PREPARED 3/18/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 47
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4855
Fax (816) 874-4675
www.trekdesigngroup.com
Missouri Cert. of Authority 2002015300
TREK DESIGN GROUP, LLC

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	F 9	F 9.5	F 10	F 10.5	F 11	F 12	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	(AS REQ'D)																												
SUBTOTAL																															
TOTAL																															

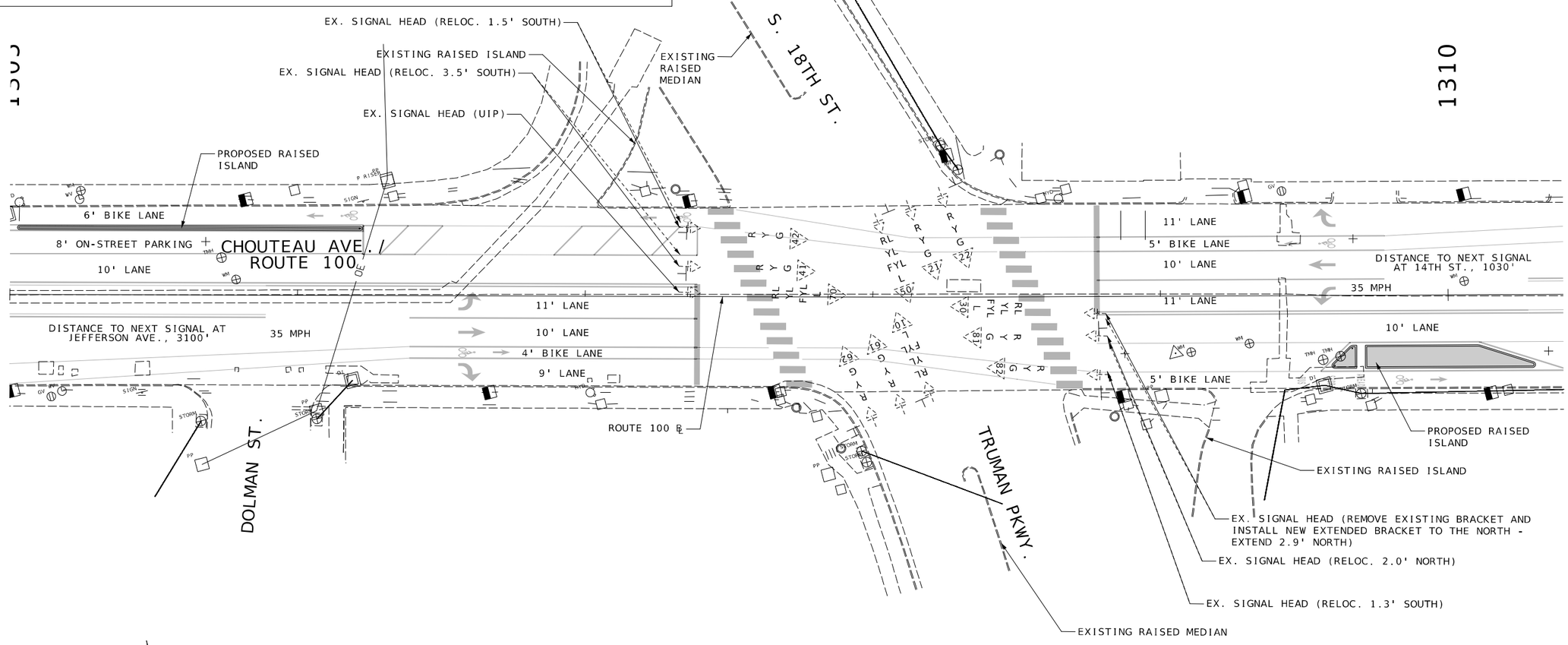
POST: TYPE C & CL ARM LENGTH A	A	A	A	SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D	D'	TYPE B & BL ARM LENGTH E	K	E	K	E	K	LEFT ARM E SIGNAL SPACING F	G	H	H'	SIGN SPACING F	G	H	H'	RIGHT ARM K SIGNAL SPACING L	M	N	N'	SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
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. | 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 | S | C | B | 3- T | S | C | B | 4- T | S | C | B | 5- T | S | C | B | TWO-FACE SECTIONS 11- T | S | B | 33- T | S | C | B | 34- S | B | 35- S | B | 44- S | B | 45- S | B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---

TRAFFIC SIGNALS LEGEND

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



SCALE
0 20 40 60

NOTES:
1. INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
2. LEADING PEDESTRIAN INTERVALS TO BE ADDED TO ALL SIGNALS
3. VIDEO DETECTION ZONES TO BE MODIFIED AS NECESSARY

ROUTE 100 & TRUMAN PKWY.
INTERSECTION

TRAFFIC SIGNAL SHEET
SHEET 17 OF 27

TERESA A. KRENNING
NUMBER PE-027536
STATE OF MISSOURI
PROFESSIONAL ENGINEER

DATE PREPARED 3/18/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 49
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

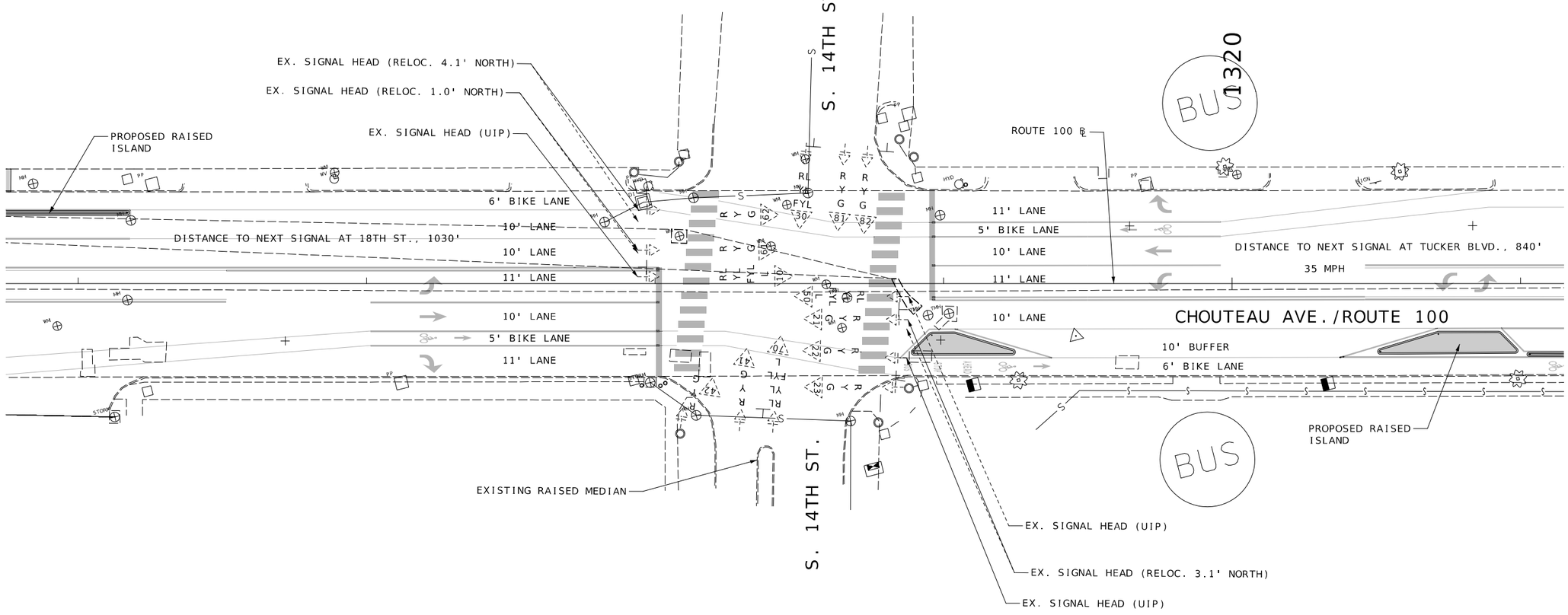
1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com
Missouri Cert. of Authority 2002010300
TREKK DESIGN GROUP, LLC

EFFECTIVE: 07-01-2018

| POST NUMBER | PULL BOX NUMBER | LOCATION: APPROACH | LOCATION: STATION | LOCATION: OFFSET | BASE: A (9 / 9.5 / 10 / 10.5 / 11 / 12) | BASE: F (9 / 9.5 / 10 / 10.5 / 11 / 12) | BASE: C | BASE: CONCRETE** (CU. YDS.) | PULL BOX: PREFORMED CLASS 1 | PREFORMED CLASS 2 | PREFORMED CLASS 3 | PREFORMED CLASS 5 | CONCRETE STANDARD | CONCRETE DOUBLE, TYPE A | 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 | A | A | A | TYPE C & CL SIGNAL SPACING B | C | D | D' | TYPE C & CL 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. |
|---|---|---

TRAFFIC SIGNALS LEGEND

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



SCALE
0 20 40 60

NOTES:
1. INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
2. LEADING PEDESTRIAN INTERVALS TO BE ADDED TO ALL SIGNALS
3. VIDEO DETECTION ZONES TO BE MODIFIED AS NECESSARY

ROUTE 100 & 14TH ST.
INTERSECTION

TRAFFIC SIGNAL SHEET
SHEET 19 OF 27

TERESA A. KRENNING
NUMBER PE-027536
PROFESSIONAL ENGINEER
STATE OF MISSOURI

DATE PREPARED 3/18/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 51
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

1411 East 104th St.
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Tel (816) 874-4655
Fax (816) 874-4675
www.trekdesigngroup.com
Missouri Cert. of Authority 2002010300

G:\22-0459 TWM MoDOT SL Rt 100 - City Limit to I-55\Design\CADD\Sheets\051_SG_19_JSL0073_I20.dgn 9:33:32 AM 3/18/2025

EFFECTIVE: 07-01-2018

POST NUMBER	PULL BOX NUMBER	LOCATION: APPROACH	LOCATION: STATION	LOCATION: OFFSET	BASE: A (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE: F (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE: C	BASE: CONCRETE** (CU. YDS.)	PULL BOX: PREFORMED CLASS 1	PREFORMED CLASS 2	PREFORMED CLASS 3	PREFORMED CLASS 5	CONCRETE STANDARD	CONCRETE DOUBLE, TYPE A	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	A	A	A	TYPE C & CL SIGNAL SPACING B	C	D	D'	TYPE C & CL 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.
		CONTROLLER	(AS REQ'D)		

TRAFFIC SIGNALS LEGEND

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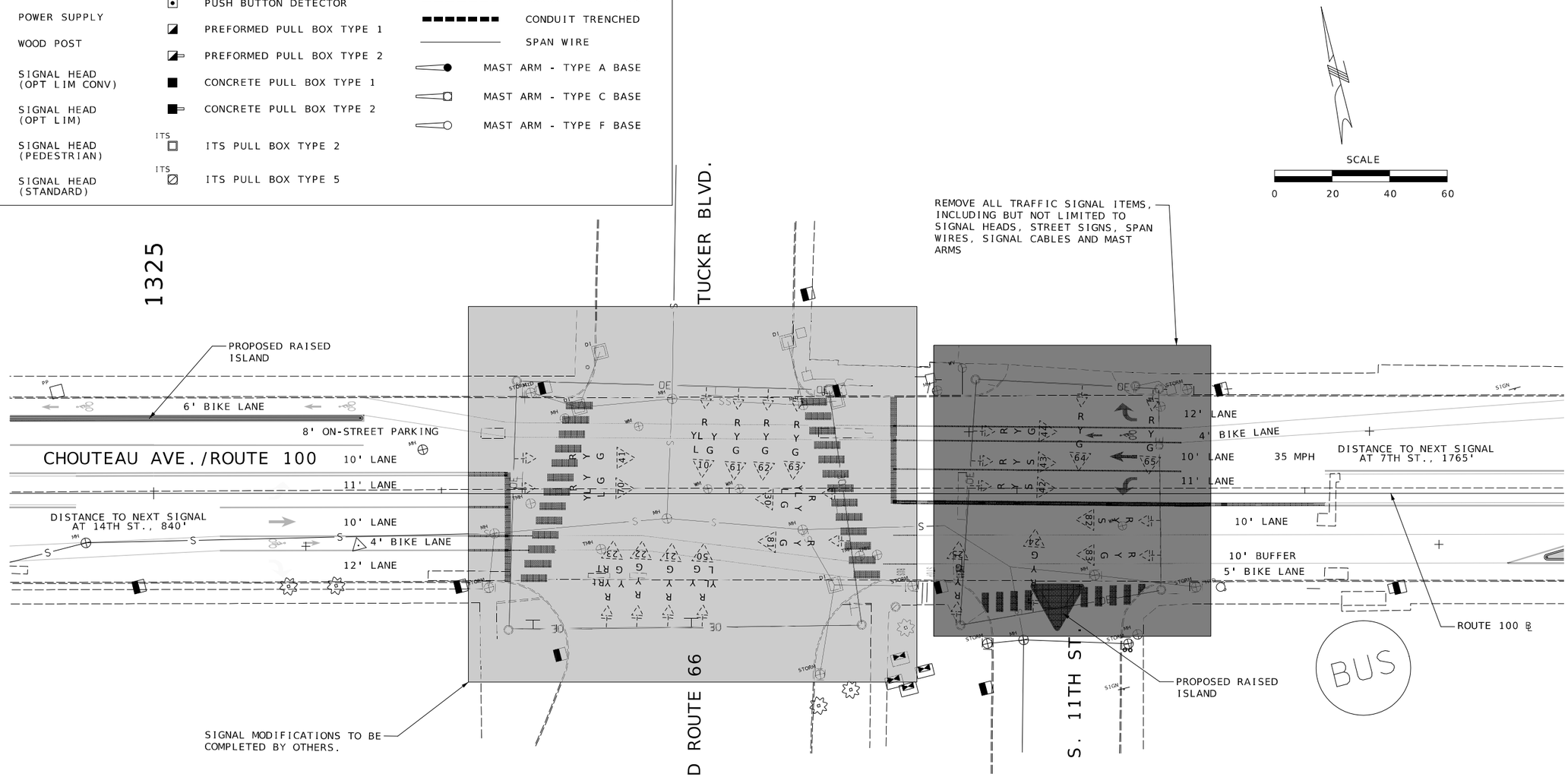
- CONDUIT MEDIAN
- CONDUIT PUSHED
- CONDUIT EXISTING
- CONDUIT TRENCHED
- SPAN WIRE
- MAST ARM - TYPE A BASE
- MAST ARM - TYPE C BASE
- MAST ARM - TYPE F BASE



LEGEND

- TUCKER BLVD - SIGNAL MODIFICATIONS BY OTHER
- 11TH ST - REMOVE TRAFFIC SIGNAL ITEMS

NOTES:
1. INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
2. LEADING PEDESTRIAN INTERVALS TO BE ADDED TO ALL SIGNALS
3. VIDEO DETECTION ZONES TO BE MODIFIED AS NECESSARY

ROUTE 100 & TUCKER BLVD. &
S. 11TH ST. INTERSECTION

TRAFFIC SIGNAL SHEET
SHEET 21 OF 27

TERESA A. KRENNING NUMBER PE-027536
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED 3/18/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 53
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

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Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com
Missouri Cert. of Authority 2002010300
TREKK DESIGN GROUP, LLC

EFFECTIVE: 07-01-2018

POST NUMBER	PULL BOX NUMBER	LOCATION: APPROACH	LOCATION: STATION	LOCATION: OFFSET	BASE: A (9, 9.5, 10, 10.5, 11, 12)	BASE: F (9, 9.5, 10, 10.5, 11, 12)	BASE: C	BASE: CONCRETE** (CU. YDS.)	PULL BOX: PREFORMED CLASS 1	PREFORMED CLASS 2	PREFORMED CLASS 3	PREFORMED CLASS 5	CONCRETE STANDARD	CONCRETE DOUBLE, TYPE A	CONCRETE DOUBLE, TYPE B	DRAIN TYPE* I	DRAIN TYPE* II A	DRAIN TYPE* II B	DRAIN TYPE* II C	POST: TOP MOUNT POST 8 FT.	POST: TOP MOUNT POST 15 FT.	TYPE C & CL: ARM LENGTH A	A	A	A	TYPE C & CL: SIGNAL SPACING B	C	D	D'	TYPE C & CL: 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.
		CONTROLLER	(AS REQ'D)																																																					
SUBTOTAL																																																						
TOTAL																																																							

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	INDICATIONS * 12" LENS CONVENTIONAL	INDICATIONS * 12" LENS OPTICAL LIMITING	VISORS * 12" LENS	VISORS * PED.	LOUVERS *	BACKPLATE* LENSES	RETROREFLECTIVE BACKPLATE* LENSES	BRACKET* TYPE	ONE-FACE SECTION	TWO-FACE SECTIONS
				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	1- 3- 4- 5- : T S C B T S C B T S C B T S C B	11- 33- 34- 35- 44- 45- : T S B T S C B S B S B S B S B

SIGNAL MODIFICATIONS TO BE COMPLETED BY OTHERS
(SHEET INTENTIONALLY LEFT BLANK)

SUBTOTAL
TOTAL

SPAN WIRE POLES

POST NUMBER	WOOD CLASS IV	STEEL (A10 BASE REQUIRED)
SUBTOTAL		
TOTAL		

SPAN WIRE CABLE SPANS

SPAN NUMBER	FROM POST	TO POST	SINGLE MESSENGER ASSEMBLY (LIN. FT.)	MESSENGER ASSEMBLY WITH TETHER (LIN. FT.)
SUBTOTAL				
TOTAL				

SUBTOTAL OPTICALLY LIMITED
SUBTOTAL CONVENTIONAL
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.

ROUTE 100 & TUCKER BLVD.

INTERSECTION

LEGEND

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

TRAFFIC SIGNAL SHEET
SHEET 22 OF 27

D-37A

STATE OF MISSOURI
PROFESSIONAL ENGINEER
TERESA A. KRENNING
NUMBER PE-027536

DATE PREPARED: 3/18/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 54
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

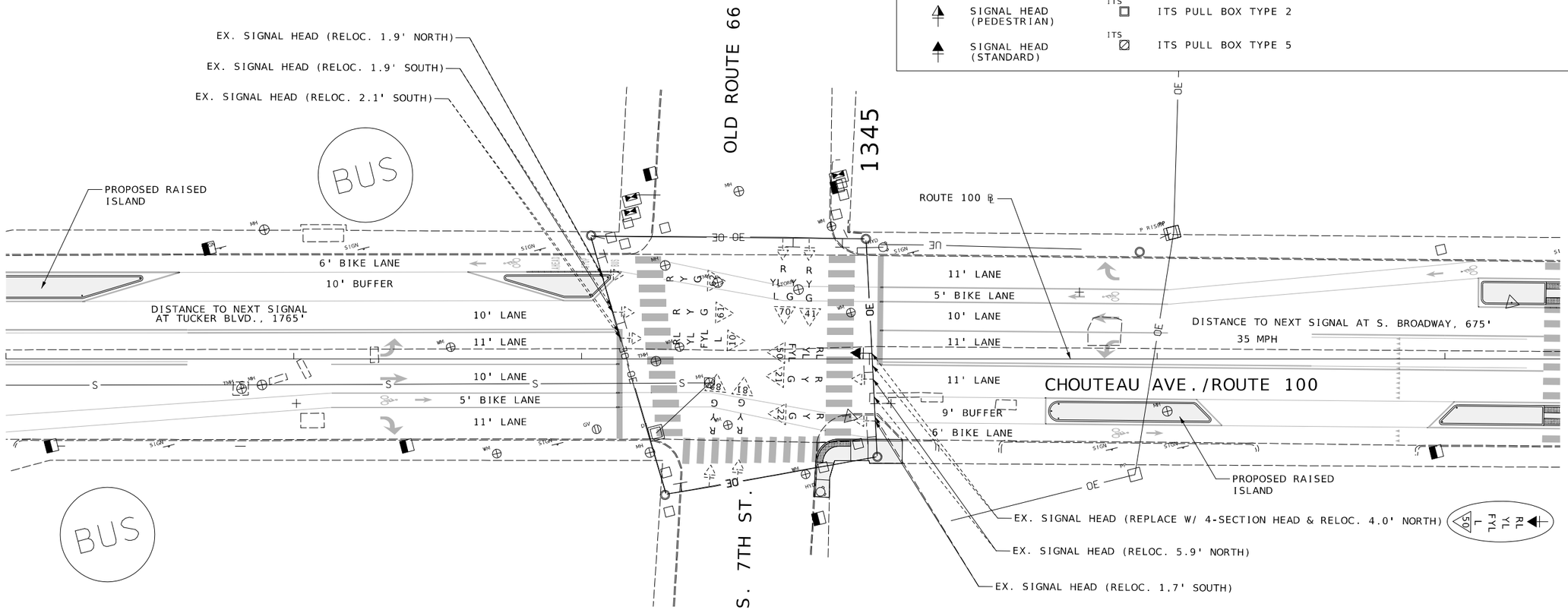
1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com

Missouri Cert. of Authority 2002010300

TREKK DESIGN GROUP, LLC

TRAFFIC SIGNALS LEGEND

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



SCALE
0 20 40 60

NOTES:
1. INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
2. LEADING PEDESTRIAN INTERVALS TO BE ADDED TO ALL SIGNALS
3. VIDEO DETECTION ZONES TO BE MODIFIED AS NECESSARY

ROUTE 100 & 7TH ST.
INTERSECTION

TRAFFIC SIGNAL SHEET
SHEET 23 OF 27

STATE OF MISSOURI
TERESA A. KRENNING
NUMBER PE-027536
PROFESSIONAL ENGINEER

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

DATE PREPARED	
3/18/2025	
ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	55
COUNTY	
ST. LOUIS CITY	
JOB NO.	
JSL0073	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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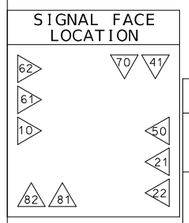
TREKK DESIGN GROUP, LLC

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 | DRAIN TYPE* II A | II B | II C | TOP MOUNT POST 8 FT. | 15 FT. | POST: TYPE C & CL ARM LENGTH A | A | A | A | SIGNAL SPACING B | C | D | D' | SIGN SPACING B | C | D | D' | POST: TYPE B & BL 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 | LUMINAIRE BRACKET ARM* 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

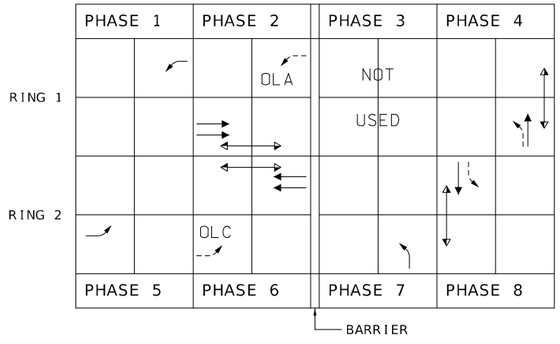
EFFECTIVE 12/01/2017

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	OVERLAP A	OVERLAP C	PED 2P OVERLAP	PED 4P OVERLAP	PED 6P OVERLAP	PED 8P OVERLAP	
FACE NUMBERS	10	21 22	NOT USED	70 41	50	61 62	70	81 82	10	50					FACE NUMBERS
SIGNAL INDICATIONS R	R	R		R		R		R	RL	RL	DW	DW	DW	DW	R
SIGNAL INDICATIONS Y	Y	Y		Y		Y	YL	Y	YL	YL					Y
SIGNAL INDICATIONS FYA									FYL	FYL					FYA
SIGNAL INDICATIONS G	L G	G		G	L	G	L	G			W	W	W	W	G
DETECTOR ASSIGNMENTS															DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)															
OVERLAP PARENT PHASES									2	6					



RING STRUCTURE

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
OLA WBL FYA (UIP)	PH 2 EB (UIP)	NOT USED (UIP)	PH 4 NB (UIP)	OLC EBL FYA (UIP)	PH 6 WB (UIP)	PH 7 NBL (UIP)	PH 8 SB (UIP)	2P S. SIDE WBL (UIP)	4P E. SIDE (UIP)	6P N. SIDE EBL (*)	8P W. SIDE (UIP)

* MODIFY TO PLACE ∅5 GREEN ARROW ON UNUSED YELLOW CHANNEL

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 (UIP)	FR
	FY
CONTROLLER TYPE	NEMA 8Ø (UIP)

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF ROUTE 100

WITH 7TH ST.

TRAFFIC SIGNAL SHEET
SHEET 25 OF 27

D-38A

TERESA A. KRENNING
NUMBER PE-027536
STATE OF MISSOURI
PROFESSIONAL ENGINEER

DATE PREPARED 3/18/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	57

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION	DATE

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

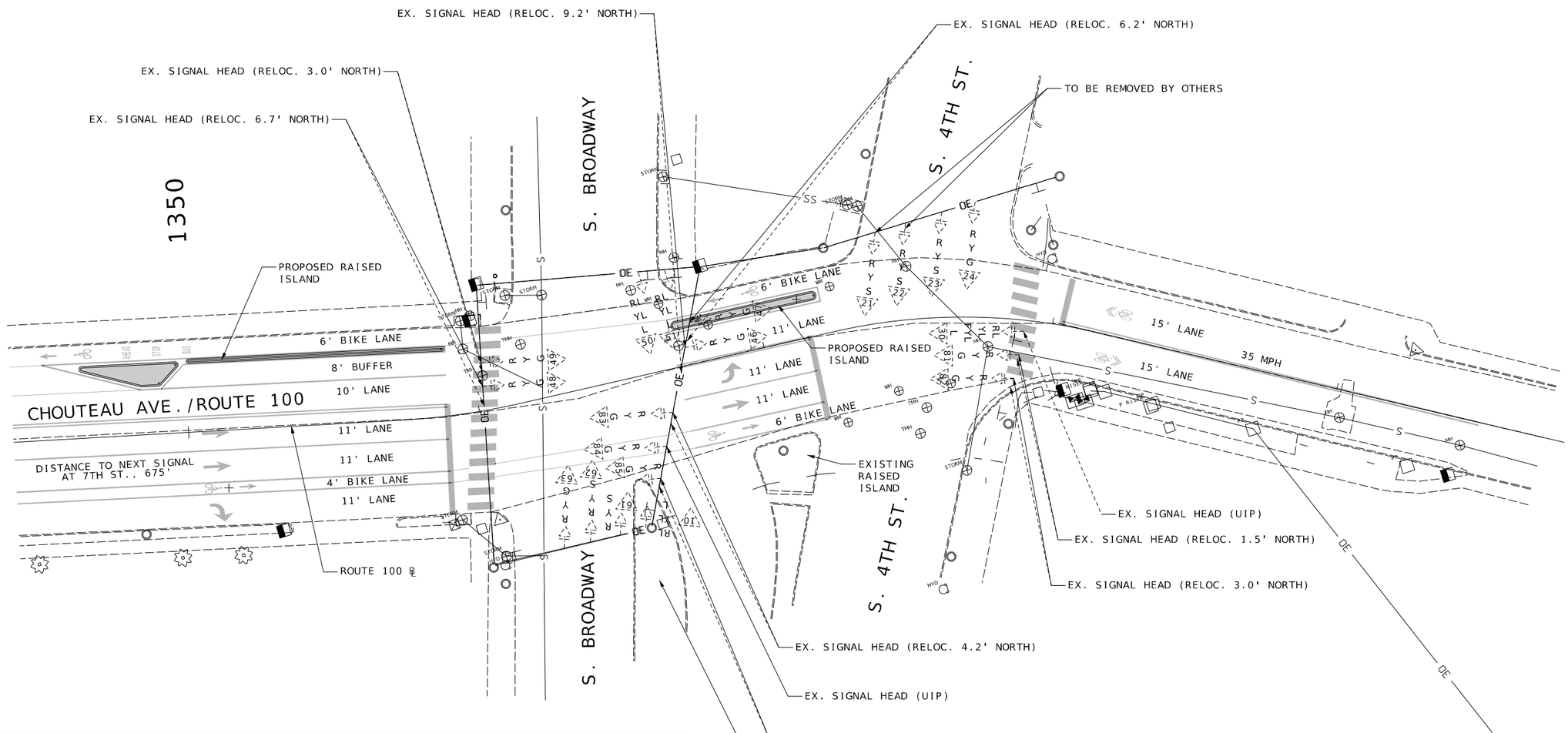
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

1411 East 104th St.
Kansas City, MO 64131
Tel (816) 874-4655
Fax (816) 874-4675
www.trekdesigngroup.com

Missouri Cert. of Authority 2002010300

TREKK DESIGN GROUP, LLC

NOTES:
1. INSTALL RETROREFLECTIVE BACKPLATES ON ALL SIGNAL HEADS
2. LEADING PEDESTRIAN INTERVALS TO BE ADDED TO ALL SIGNALS
3. VIDEO DETECTION ZONES TO BE MODIFIED AS NECESSARY



TRAFFIC SIGNALS LEGEND

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

ROUTE 100 & S BROADWAY & S. 4TH ST. INTERSECTION

TRAFFIC SIGNAL SHEET
SHEET 26 OF 27

STATE OF MISSOURI
TERESA A. KRENNING
NUMBER PE-027536
PROFESSIONAL ENGINEER

DATE PREPARED 3/18/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 58
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

TREKK DESIGN GROUP, LLC
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Kansas City, MO 64131
Tel (816) 874-4855
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Missouri Cert. of Authority 2002010300

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	DRAIN TYPE* II A	II B	II C	TOP MOUNT POST 8 FT.	15 FT.
		CONTROLLER	(AS REQ'D)																												

POST: 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'	SIGN SPACING F	G	H	H'	RIGHT ARM K SIGNAL SPACING L	M	N	N'	SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
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.	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
		41																																			1						
		42																																			1						
		43																																			1						
		44																																			1						
		81																																			1						
		82																																			1						
		83																																			1						
		30																																				1					
		84																																			1						
		85																																			1						
		21																																			1						
		22																																			1						
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		24																																			1						
		51																																			1						
		52																																			1						
		10																																			1						
		61																																			1						
		62																																			1						
		63																																			1						
SUBTOTAL																																											
TOTAL																																											

SPAN WIRE POLES	POST NUMBER	WOOD CLASS IV	STEEL (A10 BASE REQUIRED)
SUBTOTAL			
TOTAL			

SPAN WIRE CABLE SPANS	SPAN NUMBER	FROM POST	TO POST	SINGLE MESSENGER ASSEMBLY (LIN. FT.)	MESSENGER ASSEMBLY WITH TETHER (LIN. FT.)
SUBTOTAL					
TOTAL					

ONE-FACE SECTION 1- T	S	C	B	3- T	S	C	B	4- T	S	C	B	5- T	S	C	B	TWO-FACE SECTIONS 11- T	S	B	33- T	S	C	B	34- S	B	35- S	B	44- S	B	45- S	B
SUBTOTAL OPTICALLY LIMITED																														
SUBTOTAL CONVENTIONAL																														
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.

ROUTE 100 & S BROADWAY & S 4TH ST.

INTERSECTION

LEGEND

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

TRAFFIC SIGNAL SHEET
SHEET 27 OF 27

D-37A

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

STATE OF MISSOURI PROFESSIONAL ENGINEER
TERESA A. KRENNING NUMBER PE-027536

DATE PREPARED 4/8/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	59

COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

TREKK DESIGN GROUP, LLC
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Tel (816) 874-4655
Fax (816) 874-4675
www.trekkdesigngroup.com

Missouri Cert. of Authority 2002010300

STRIPING LEGEND

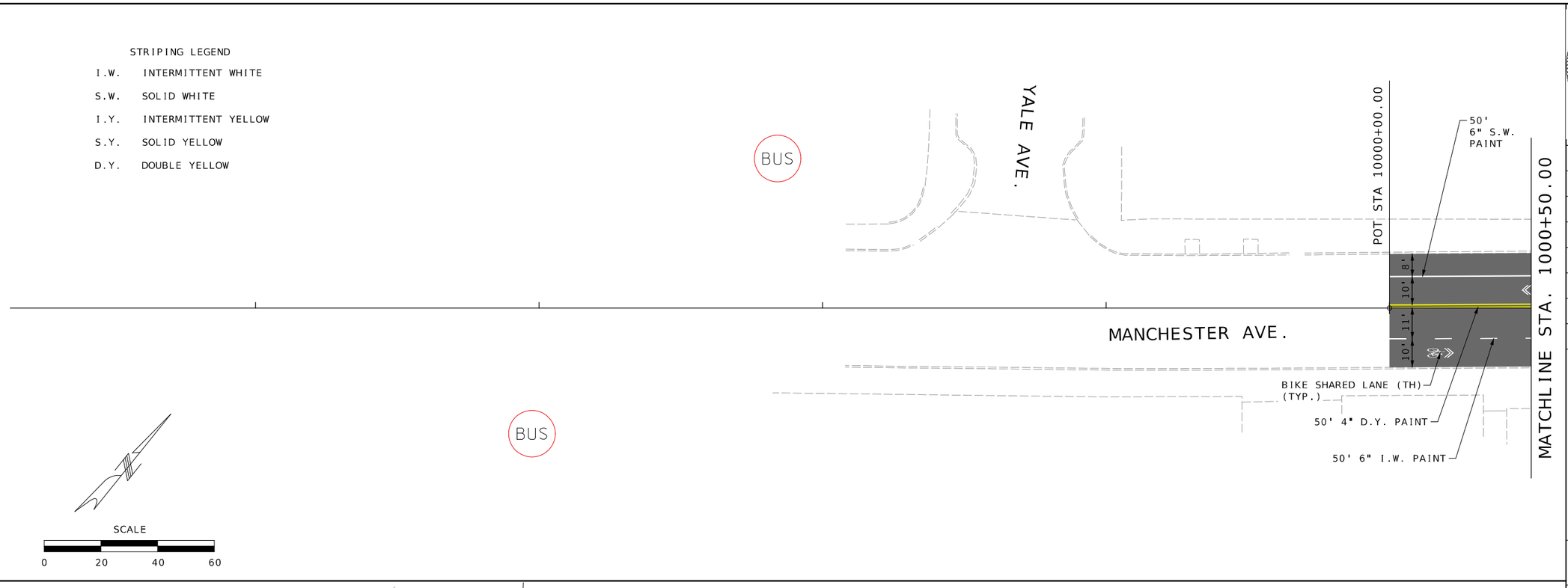
I.W. INTERMITTENT WHITE

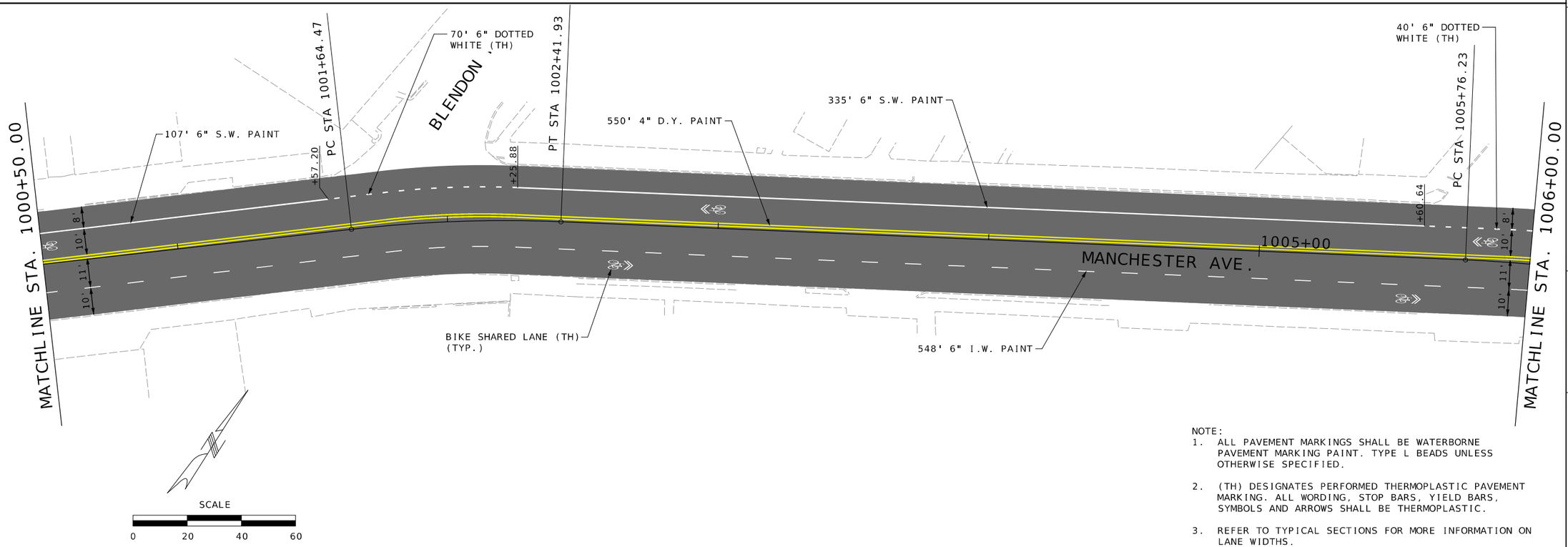
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





NOTE:

1. ALL PAVEMENT MARKINGS SHALL BE WATERBORNE PAVEMENT MARKING PAINT. TYPE L BEADS UNLESS OTHERWISE SPECIFIED.

2. (TH) DESIGNATES PERFORMED THERMOPLASTIC PAVEMENT MARKING. ALL WORDING, STOP BARS, YIELD BARS, SYMBOLS AND ARROWS SHALL BE THERMOPLASTIC.

3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE 100 | STATE MO

DISTRICT SL | SHEET NO. 60

COUNTY ST. LOUIS CITY

JOB NO. JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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

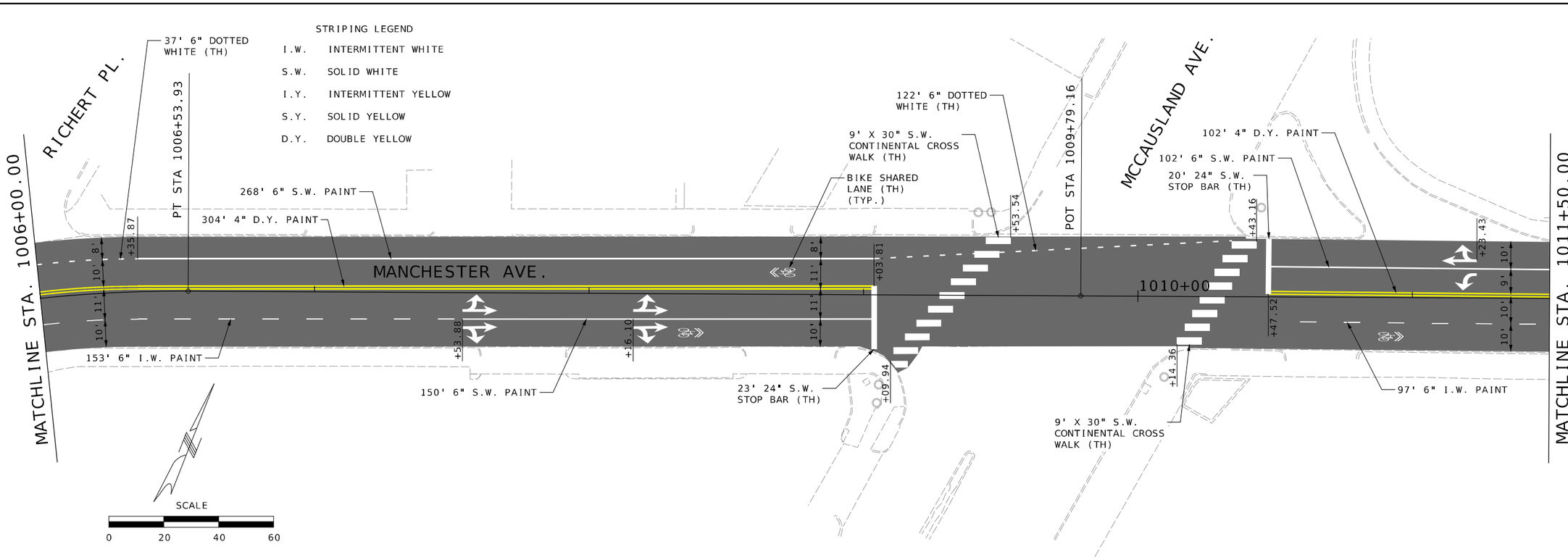
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

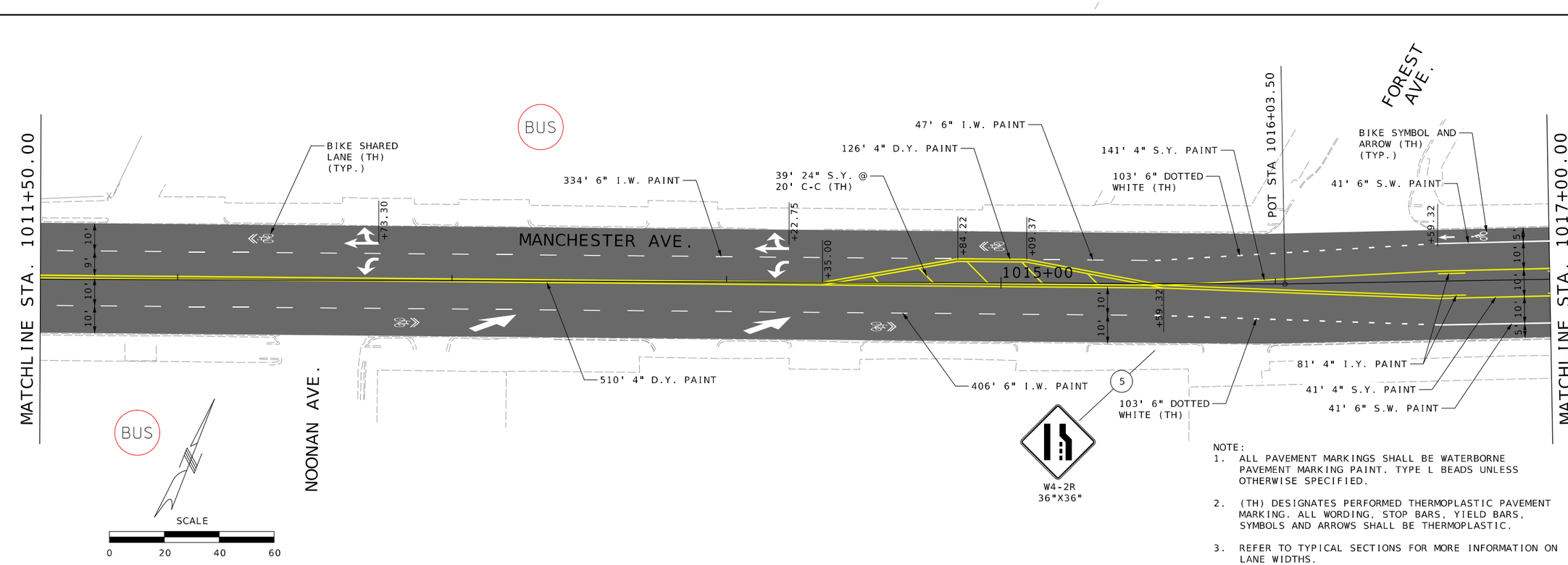
TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

PAVEMENT MARKING

ROUTE 100

SHEET 1 OF 33





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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 61
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

DESCRIPTION | DATE

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

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING
ROUTE 100
SHEET 2 OF 33

STRIPING LEGEND

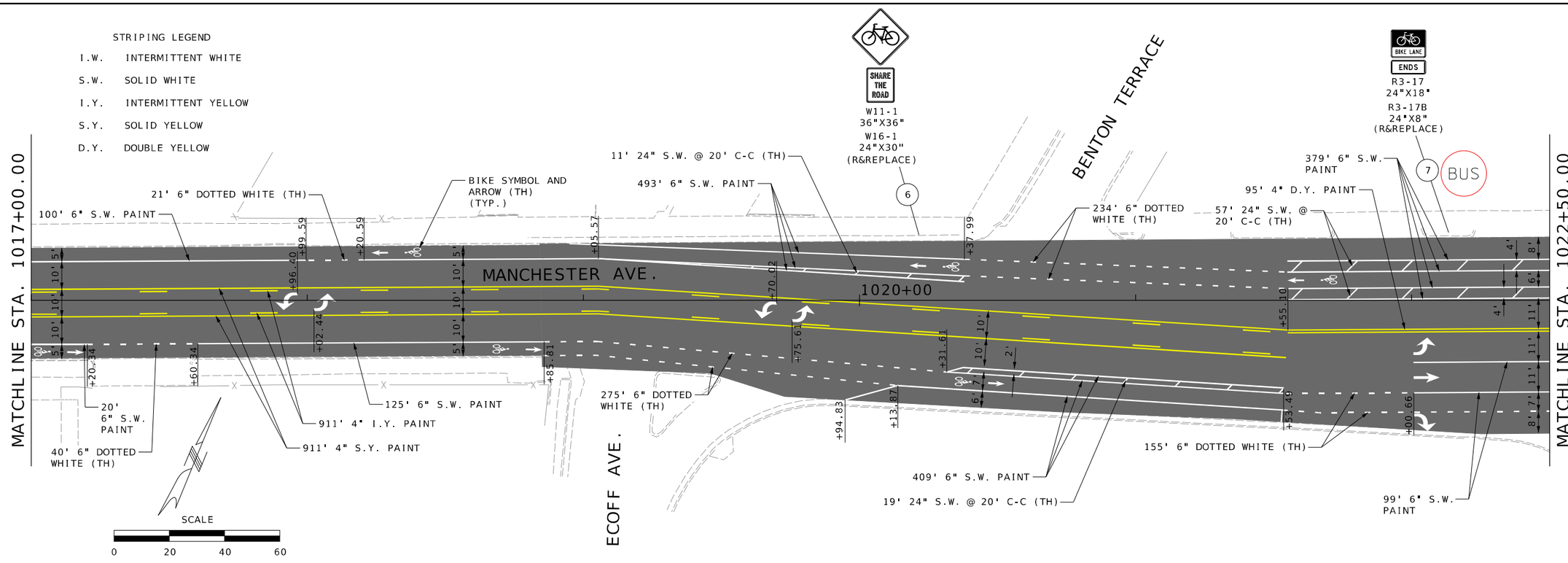
I.W. INTERMITTENT WHITE

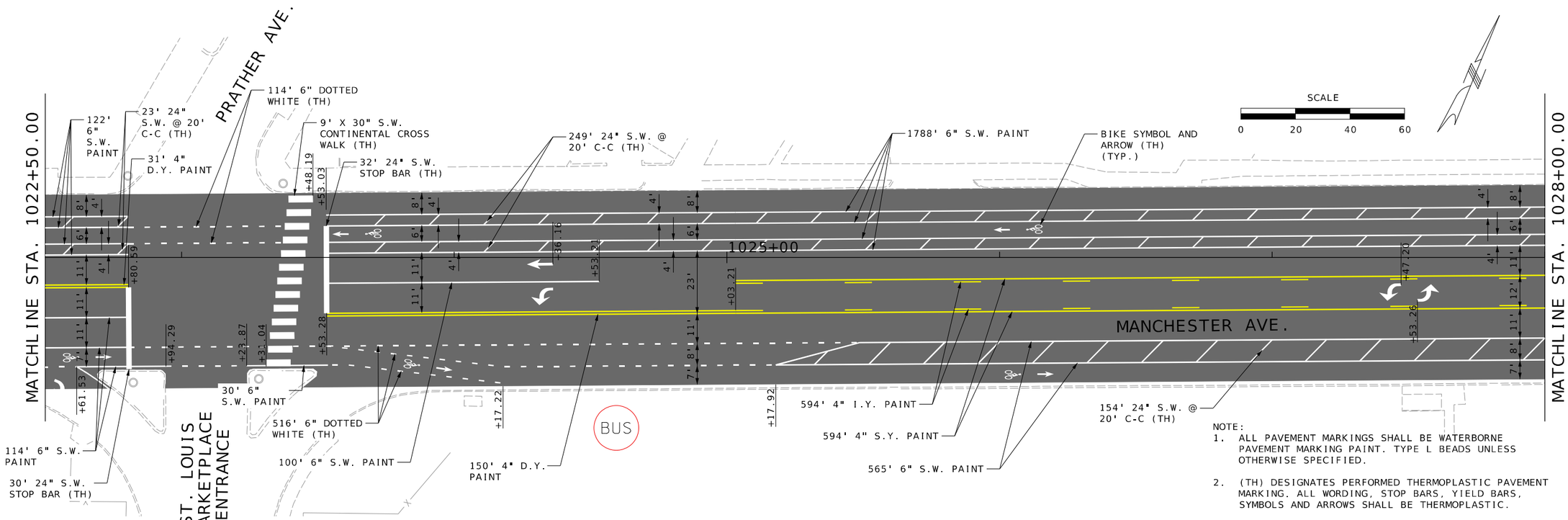
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	62

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

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)

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ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
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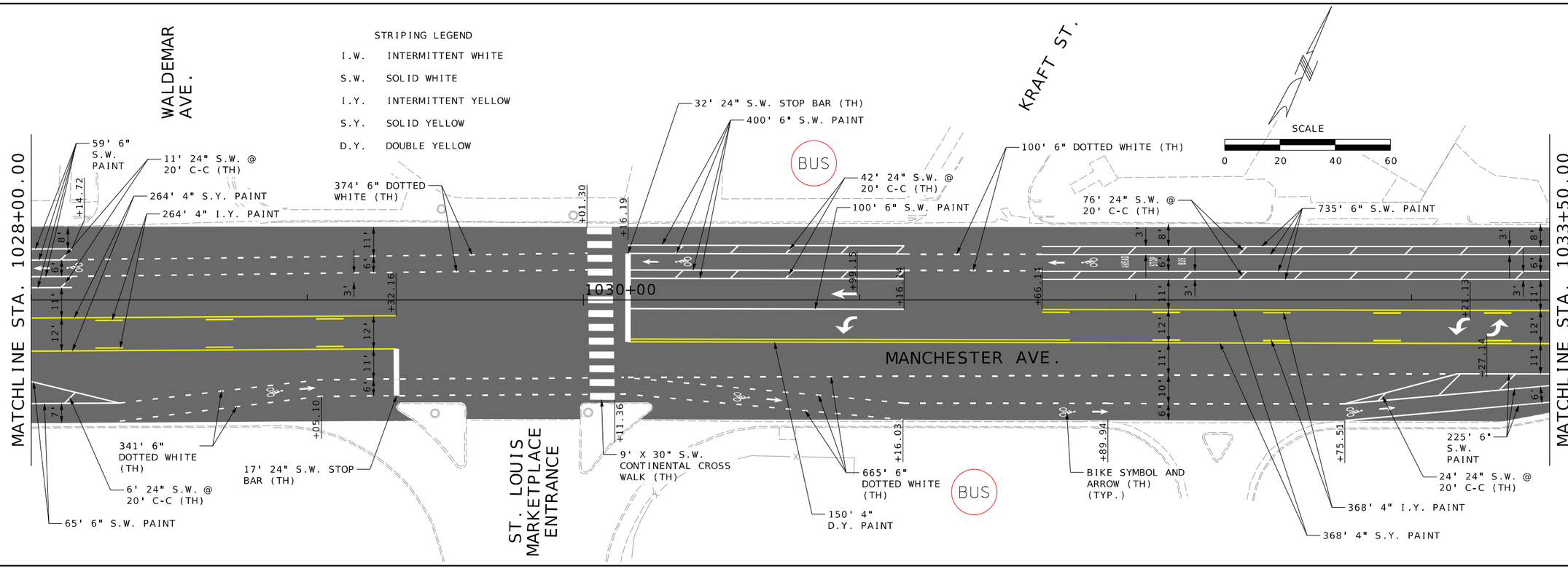
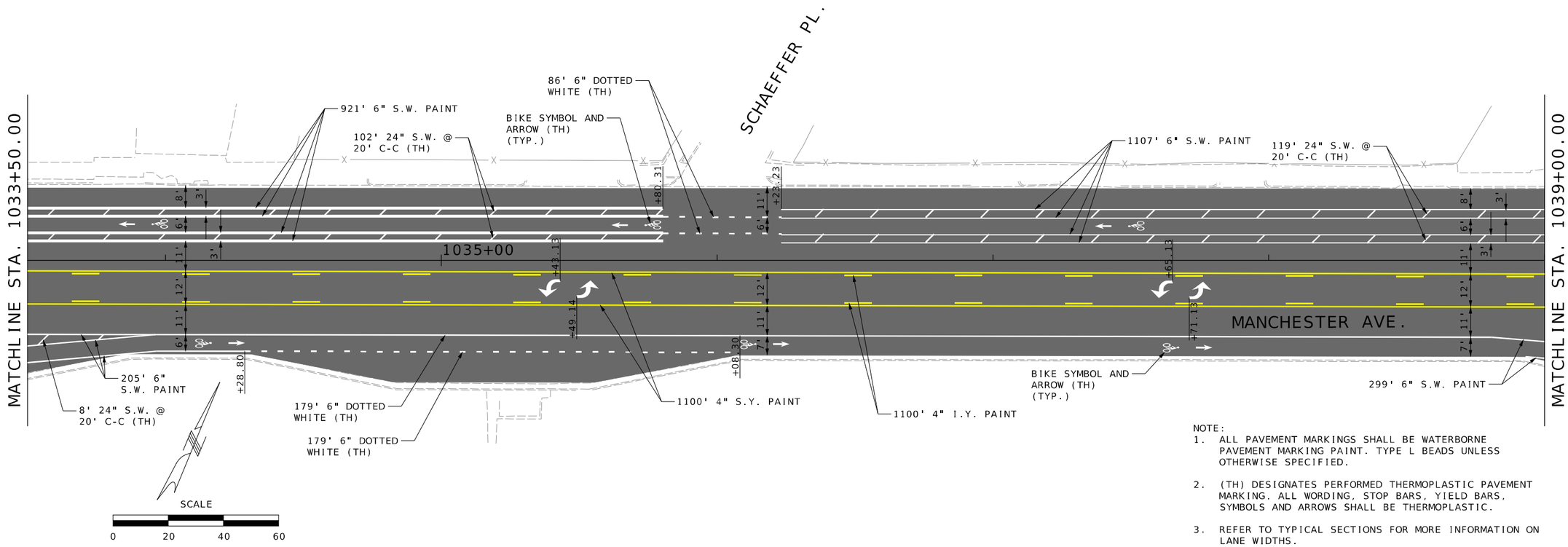
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 3 OF 33





NOTE:
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3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED	
3/27/2025	
ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	63
COUNTY	
ST. LOUIS CITY	
JOB NO.	
JSL0073	
CONTRACT ID.	
.	
PROJECT NO.	
.	
BRIDGE NO.	
.	

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

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TWM ENGINEERING GEOSPATIAL SERVICES
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ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING
ROUTE 100
SHEET 4 OF 33

STRIPING LEGEND

I.W. INTERMITTENT WHITE

S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW

SCALE 0 20 40 60

MATCHLINE STA. 1039+00.00

1035' 6" S.W. PAINT

105' 24" S.Y. @ 20' C-C (TH)

110' 24" S.W. @ 20' C-C (TH)

281' 4" D.Y. PAINT

BIKE SYMBOL AND ARROW (TH) (TYP.)

9' X 30" S.W. CONTINENTAL CROSS WALK (TH)

23' 24" S.W. STOP BAR (TH)

BUS

100' 6" S.W. PAINT

1129' 6" S.W. PAINT

119' 24" S.W. @ 20' C-C (TH)

1040+00

+00.00

+57.10

+43.05

+58.44

+73.92

+69.67

+36.95

+31.13

+37.13

+49.35

+12.92

+53.99

MANCHESTER AVE.

ST. LOUIS MARKETPLACE ENTRANCE

114' 4" I.Y. PAINT

87' 6" S.W. PAINT

114' 4" S.Y. PAINT

595' 6" DOTTED WHITE (TH)

22' 24" S.W. STOP BAR (TH)

150' 4" D.Y. PAINT

52' 24" S.W. @ 20' C-C (TH)

275' 6" S.W. PAINT

BIKE SYMBOL AND ARROW (TH) (TYP.)

252' 4" I.Y. PAINT

252' 4" S.Y. PAINT

237' 6" DOTTED WHITE (TH)

BUS

MATCHLINE STA. 1044+50.00

MATCHLINE STA. 1050+00.00

MITCHELL AVE.

42' 24" S.W. @ 20' C-C (TH)

376' 6" S.W. PAINT

267' 6" DOTTED WHITE (TH)

BIKE SYMBOL AND ARROW (TH) (TYP.)

1469' 6" S.W. PAINT

142' 24" S.W. @ 20' C-C (TH)

SCALE 0 20 40 60

1045+00

+44.13

+32.69

+53.13

+59.13

+95.83

+53.98

+90.87

+59.73

+39.72

MANCHESTER AVE.

52' 6" DOTTED WHITE (TH)

413' 6" S.W. PAINT

46' 24" S.W. @ 20' C-C (TH)

544' 6" DOTTED WHITE (TH)

ST. LOUIS MARKETPLACE ENTRANCE

1100' 4" I.Y. PAINT

1100' 4" S.Y. PAINT

562' 6" S.W. PAINT

153' 24" S.W. @ 20' C-C (TH)

14

W4-2R 36"X36" (R)

NOTE:

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3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	64

COUNTY ST. LOUIS CITY

JOB NO. JSL0073

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
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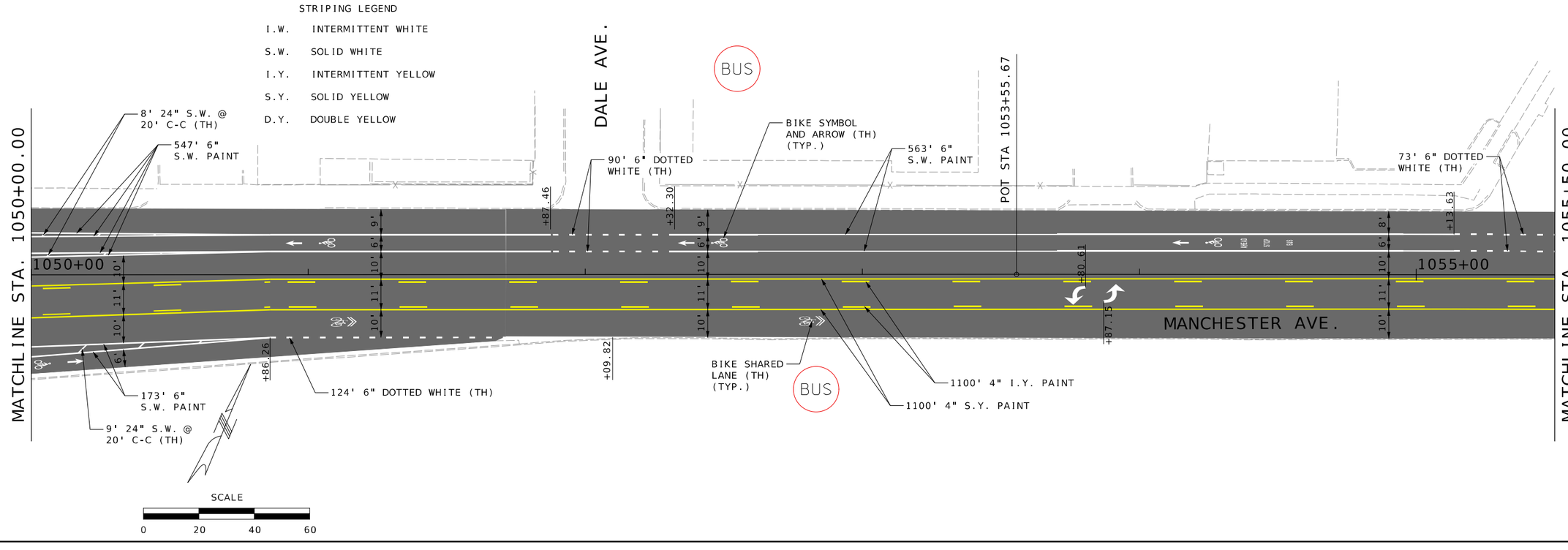
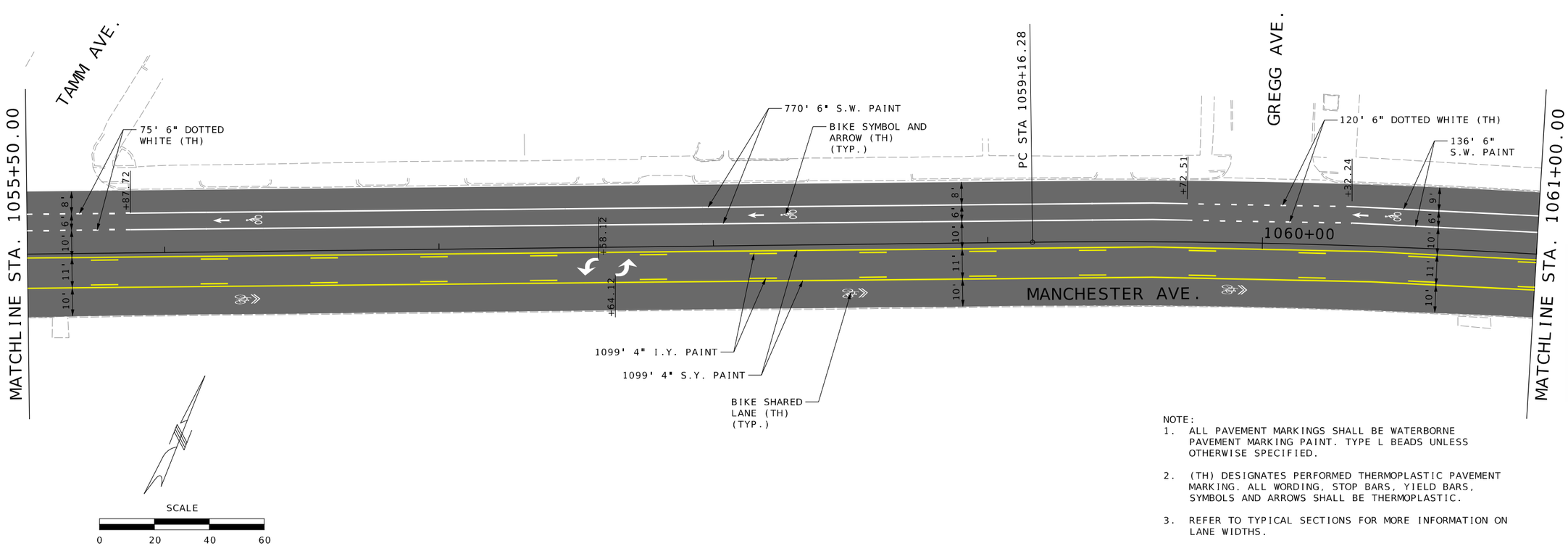
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 5 OF 33





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3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 65
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING
ROUTE 100
SHEET 6 OF 33

STRIPING LEGEND

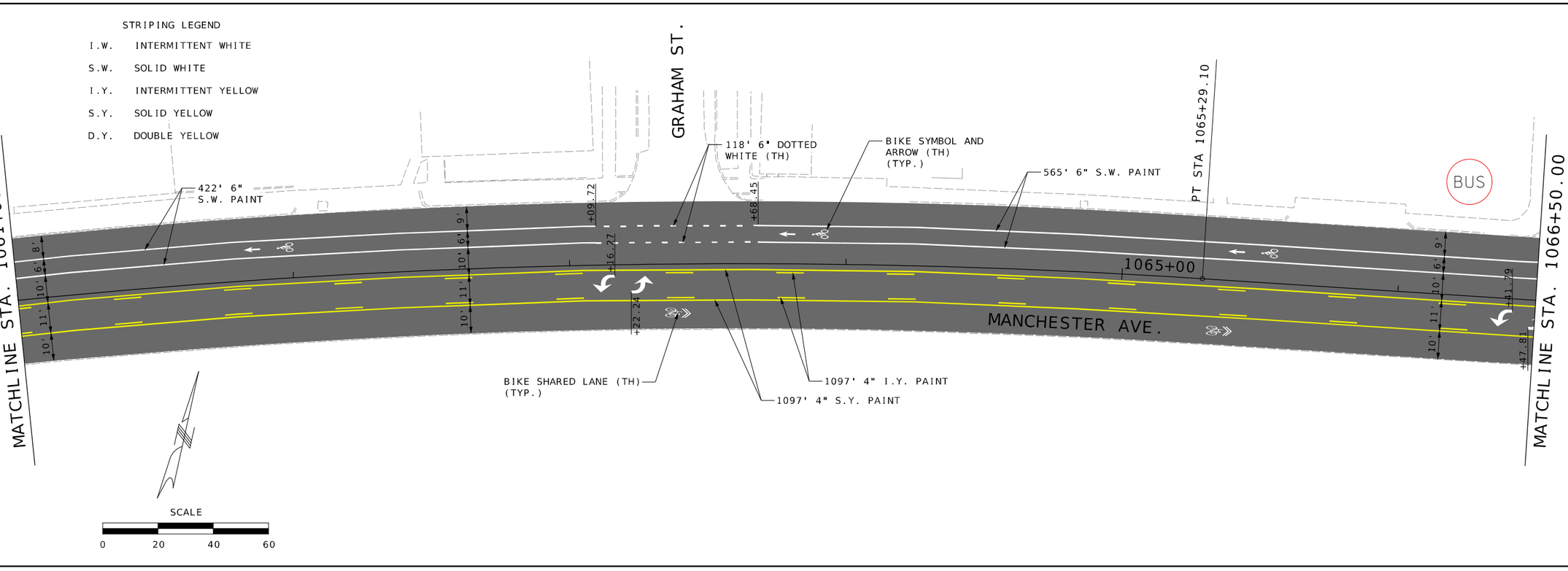
I.W. INTERMITTENT WHITE

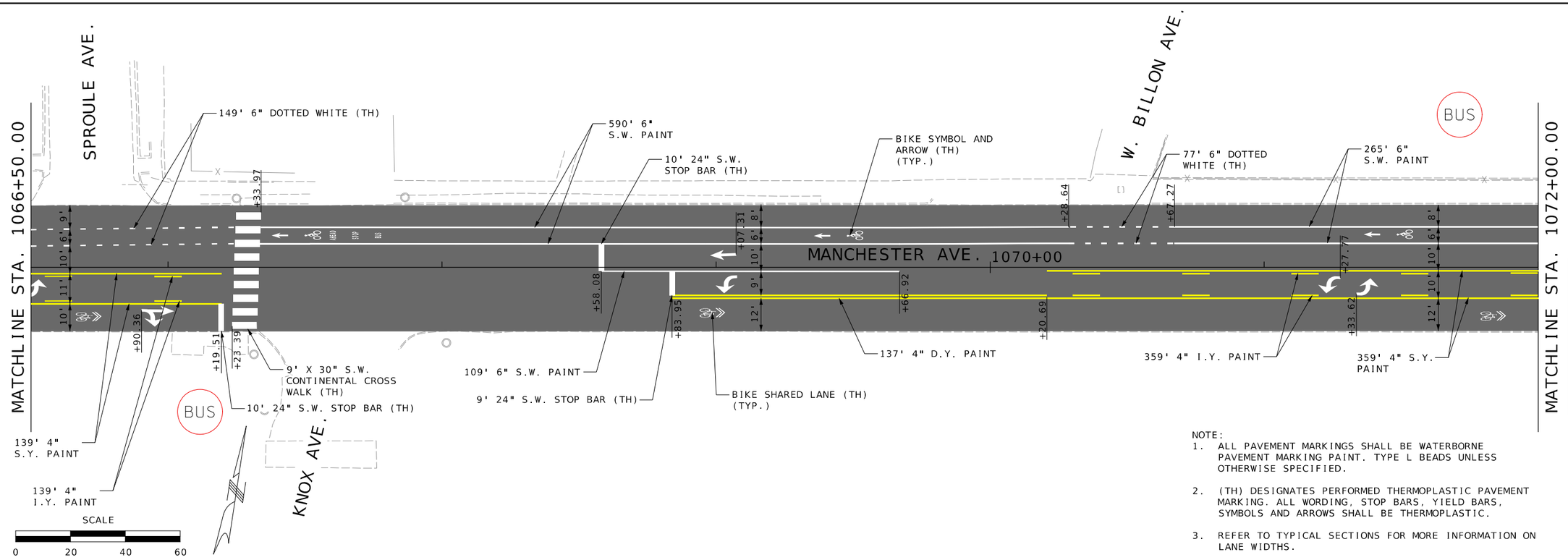
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





NOTE:

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	66

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

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

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

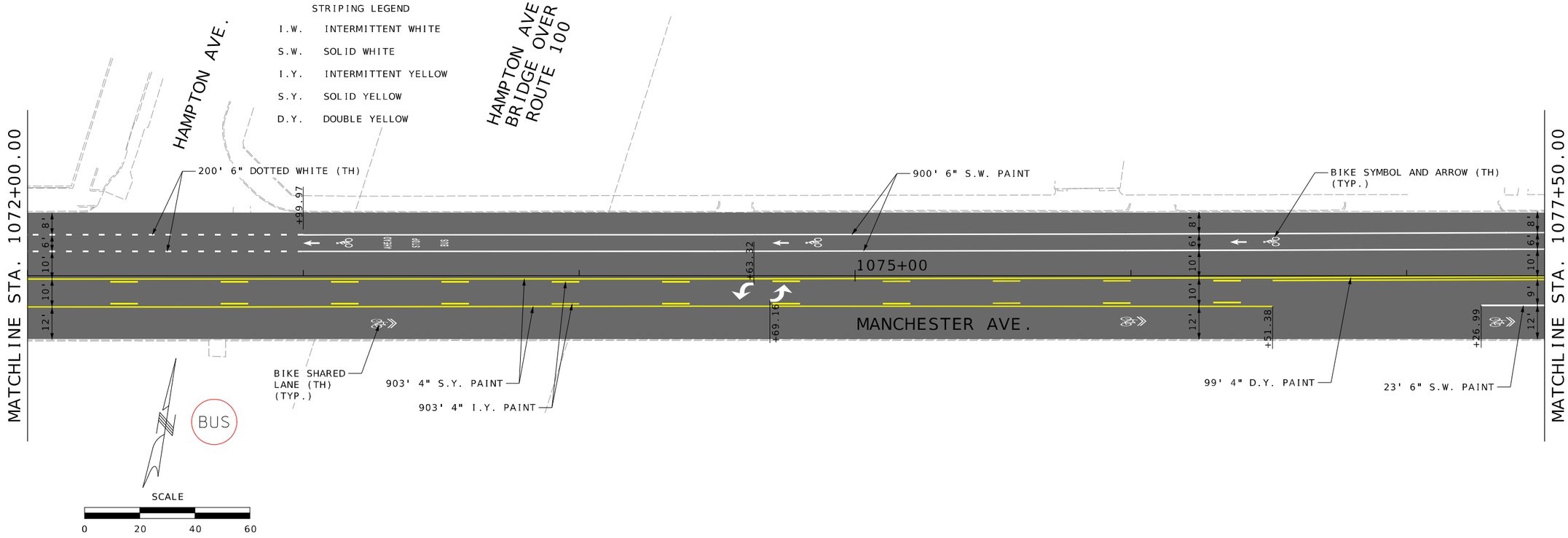
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

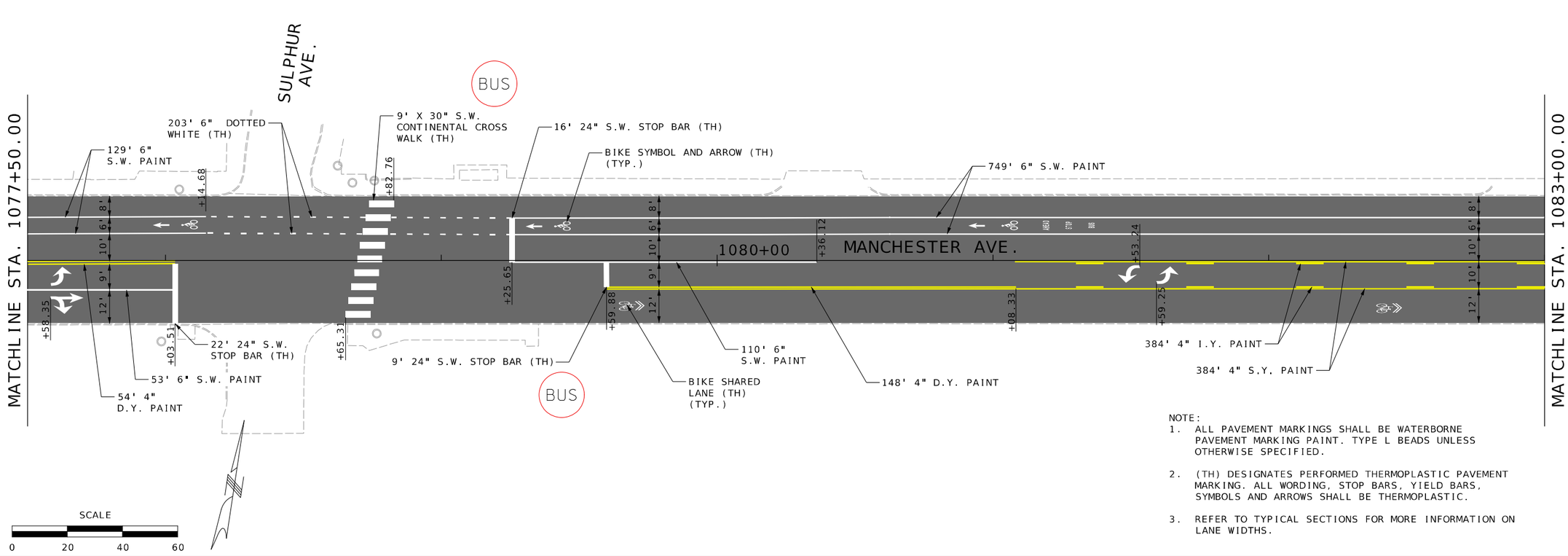
TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

PAVEMENT MARKING

ROUTE 100

SHEET 7 OF 33





NOTE:
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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 67
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING
ROUTE 100
SHEET 8 OF 33

STRIPING LEGEND

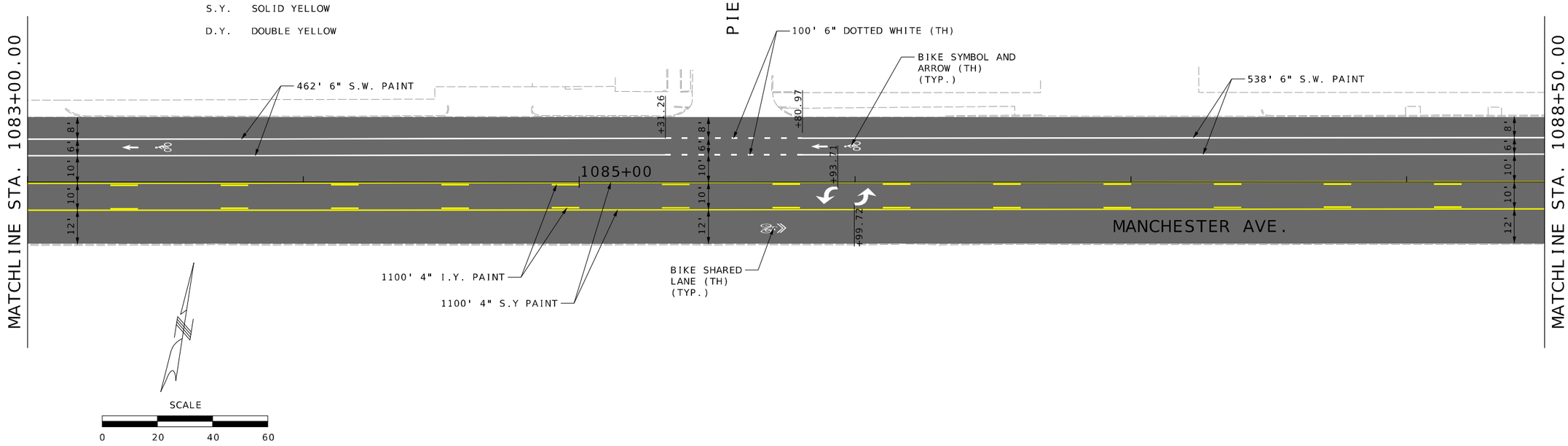
I.W. INTERMITTENT WHITE

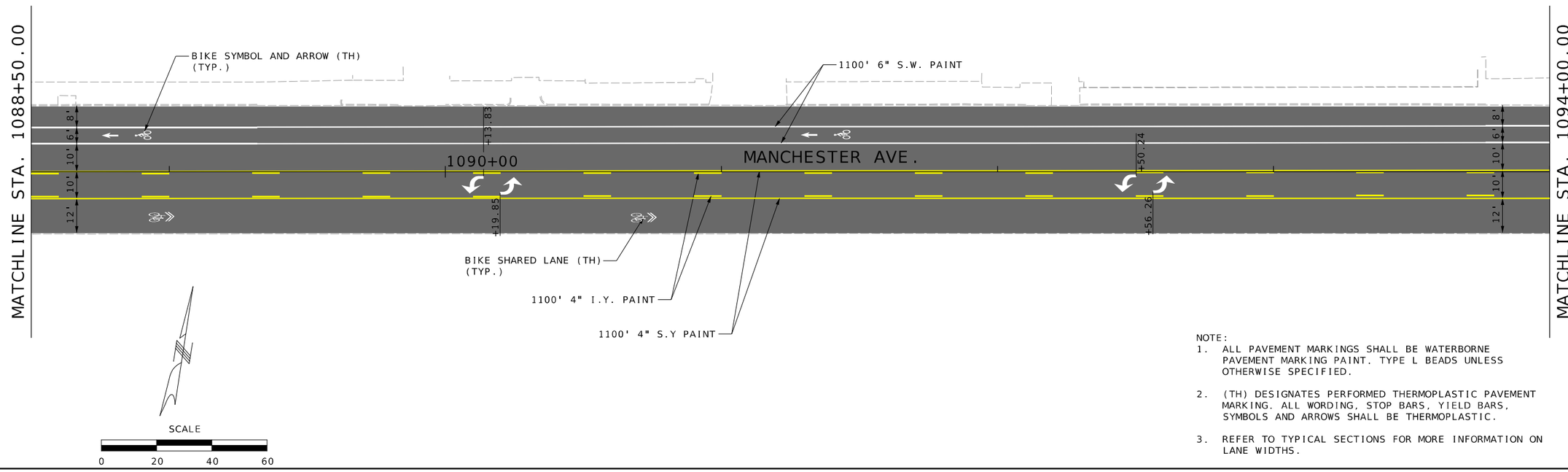
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED	
3/27/2025	
ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	68

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 9 OF 33

STRIPING LEGEND

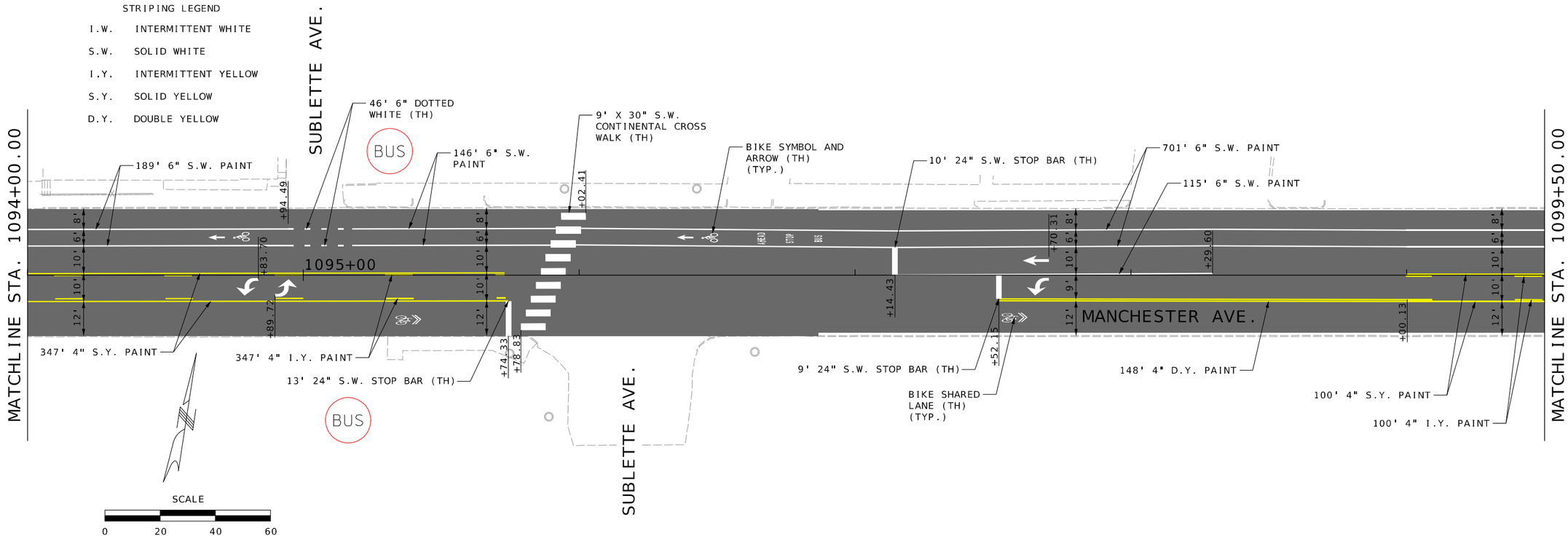
I.W. INTERMITTENT WHITE

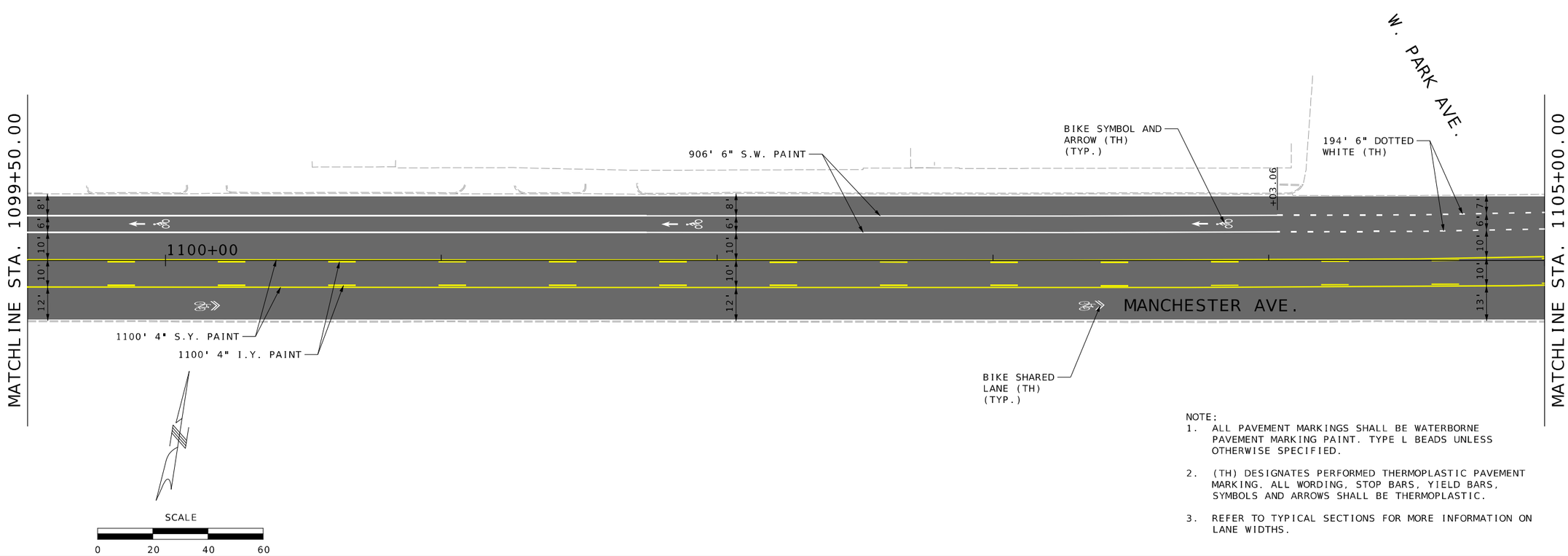
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	69

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

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

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TWM
ENGINEERING
GEOSPATIAL SERVICES
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ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 10 OF 33

STRIPING LEGEND

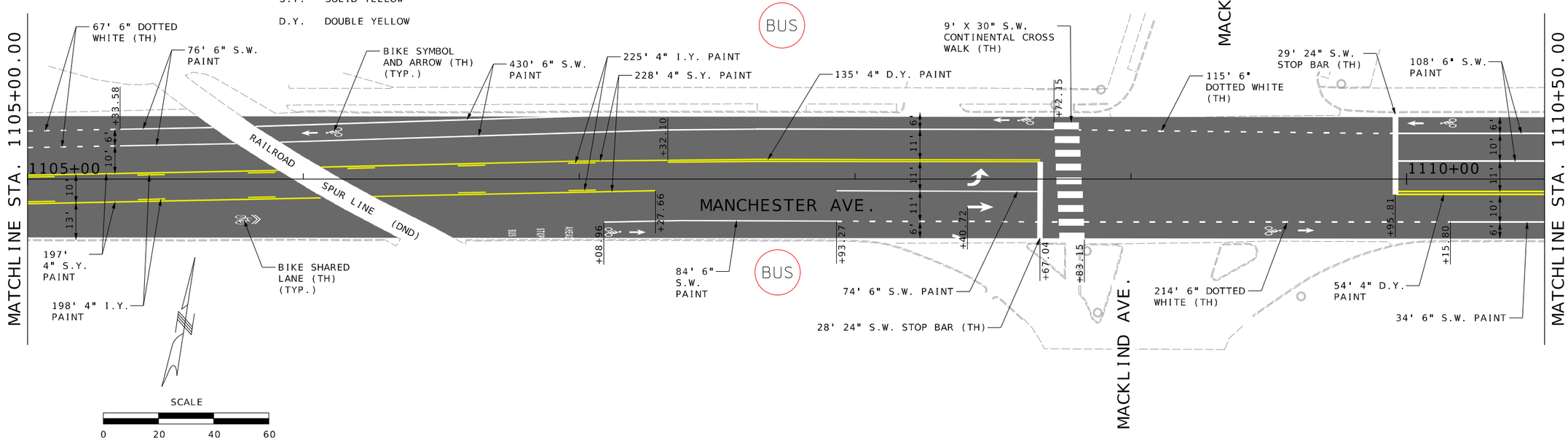
I.W. INTERMITTENT WHITE

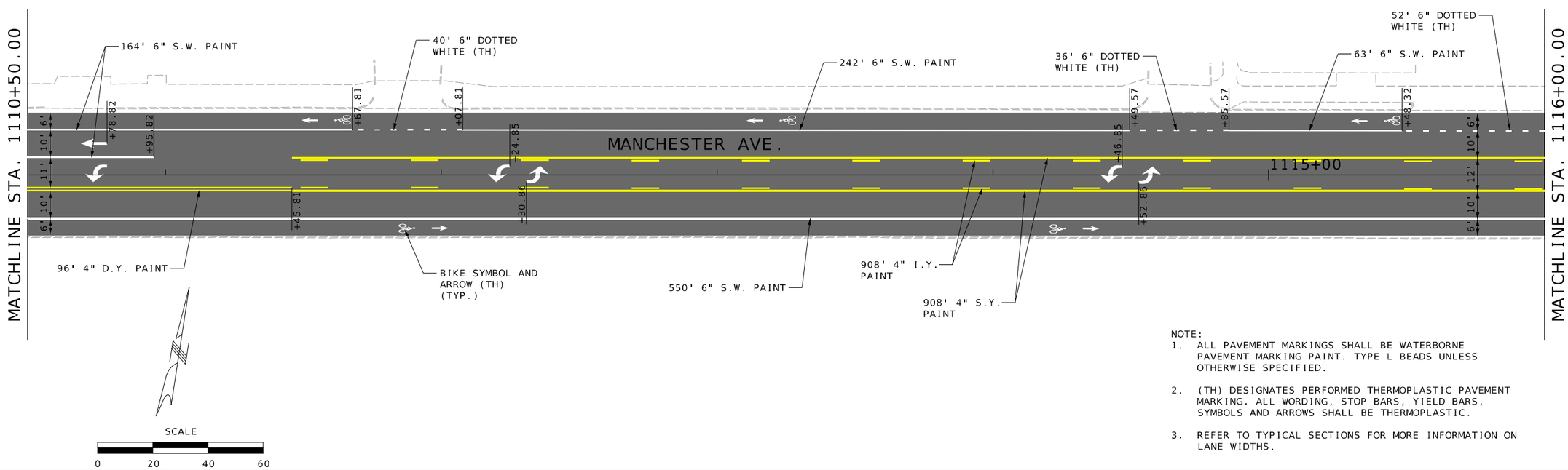
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	70

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

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

DESCRIPTION | DATE

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

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

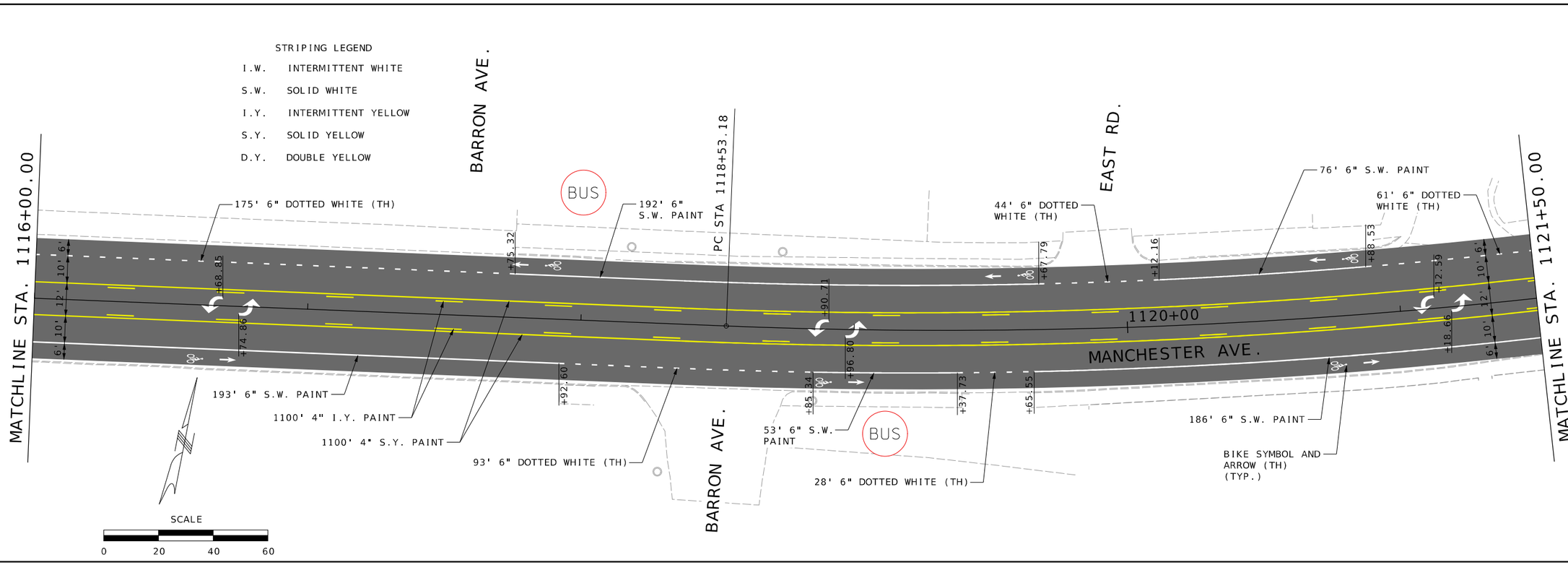
PAVEMENT MARKING

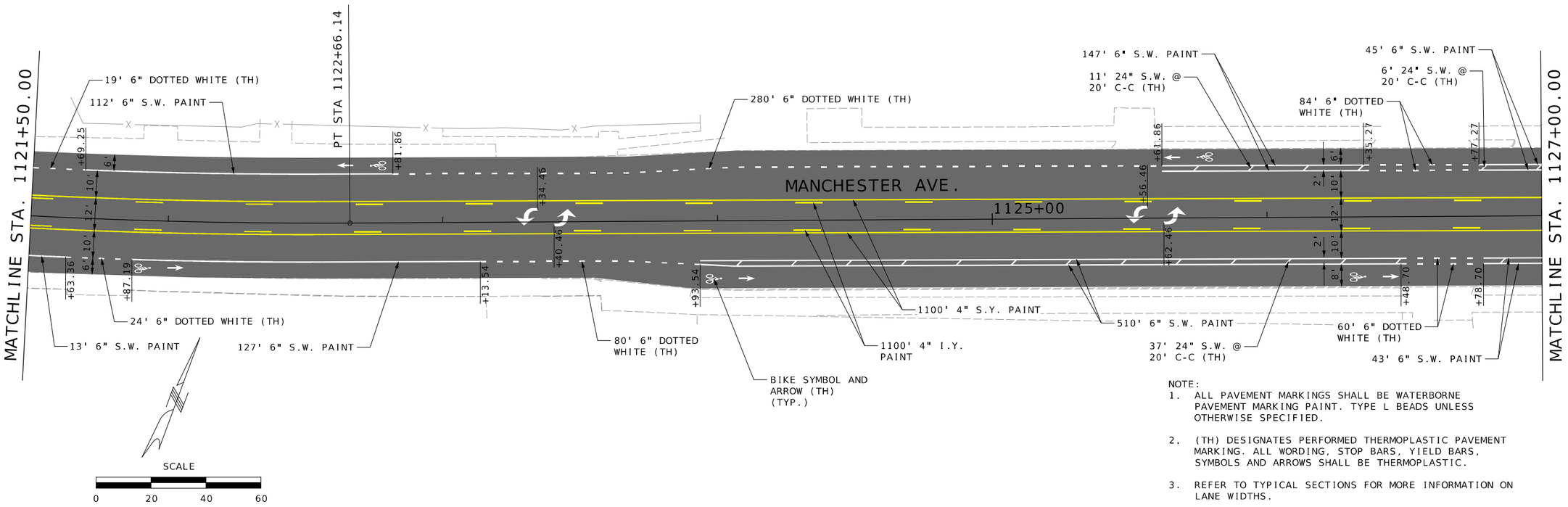
ROUTE 100

SHEET 11 OF 33

STRIPING LEGEND

I.W. INTERMITTENT WHITE
S.W. SOLID WHITE
I.Y. INTERMITTENT YELLOW
S.Y. SOLID YELLOW
D.Y. DOUBLE YELLOW





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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 71
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

DESCRIPTION | DATE

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

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING
ROUTE 100
SHEET 12 OF 33

STRIPING LEGEND

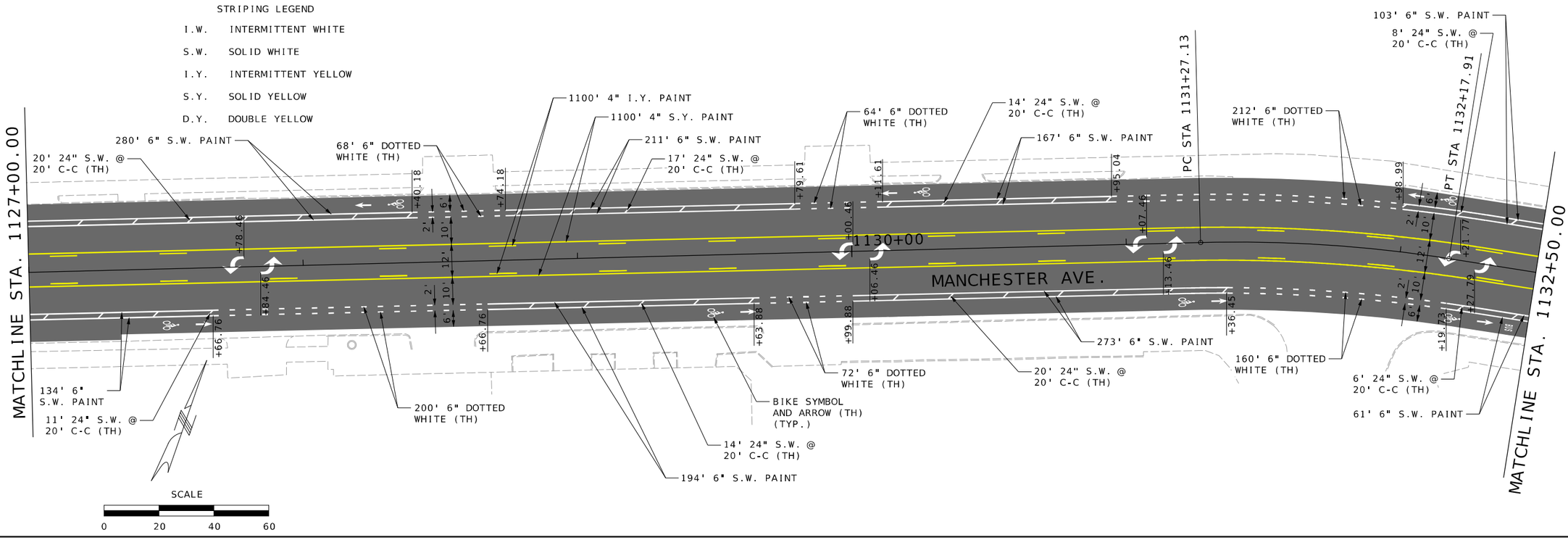
I.W. INTERMITTENT WHITE

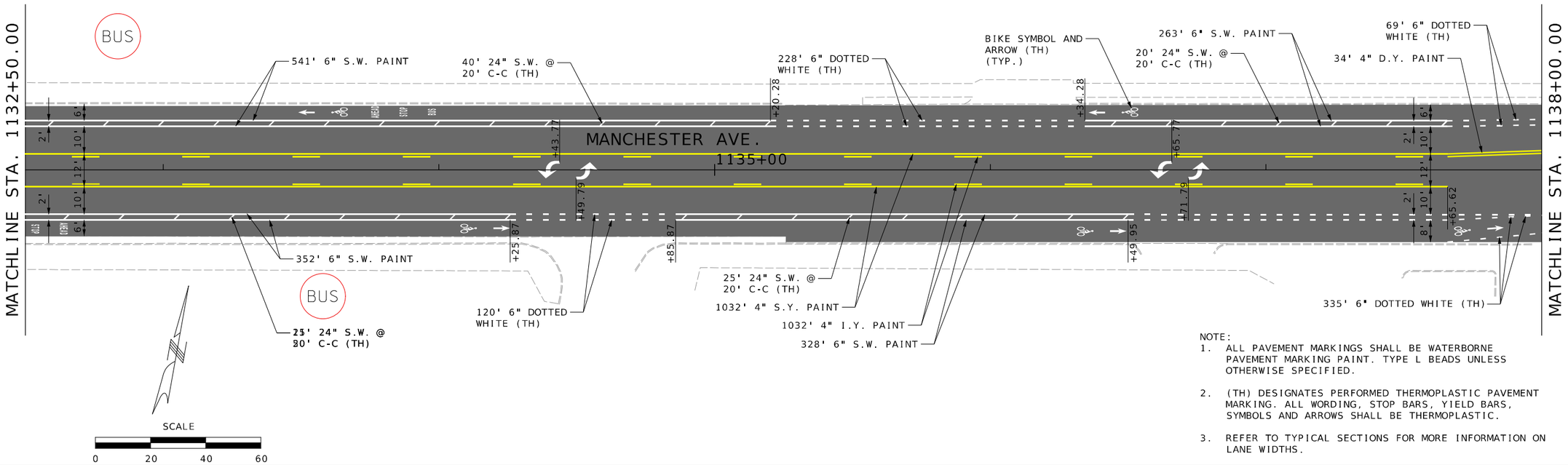
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





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KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI PROFESSIONAL ENGINEER

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

DATE PREPARED 3/27/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	72

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 13 OF 33

STRIPING LEGEND

I.W. INTERMITTENT WHITE

S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW

MATCHLINE STA. 1138+00.00

MATCHLINE STA. 1143+50.00

S. KINGSHIGHWAY BLVD.

MANCHESTER AVE.

1140+00

BUS

BUS

327' 6" DOTTED WHITE (TH)

166' 4" D.Y. PAINT

BIKE SYMBOL AND ARROW (TH) (TYP.)

9' X 30" S.W. CONTINENTAL CROSS WALK (TH) CROSSWALK TO BE COORDINATED WITH ADJOINING PROJECT

+65.79

+01.23

+65.79

4'

10'

11'

10'

4'

10'

+82.79

+72.22

+21.76

132' 6" DOTTED WHITE (TH)

300' 6" S.W. PAINT

36' 24" S.W. STOP BAR (TH)

359' 6" DOTTED WHITE (TH)

+18.12

+57.43

48' 24" S.W. STOP BAR (TH)

+88.20

+82.51

398' 6" DOTTED WHITE (TH)

9' X 30" S.W. CONTINENTAL CROSS WALK (TH) CROSSWALK TO BE COORDINATED WITH ADJOINING PROJECT

647' 6" S.W. PAINT

+71.20

4'

11'

10'

11'

11'

10'

4'

162' 4" D.Y. PAINT

162' 4" S.W. PAINT

SCALE

0 20 40 60

NOTE:

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3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

MATCHLINE STA. 1143+50.00

MATCHLINE STA. 1149+00.00

CADET AVE.

MANCHESTER AVE.

1145+00

SHARE THE ROAD

W11-1 36"X36"

W16-1 24"X30" (R&REPLACE)

33

453' 6" S.W. PAINT

+88.20

11'

4'

10'

11'

11'

10'

4'

+88.20

11'

4'

10'

+02.93

287' 6" DOTTED WHITE (TH)

38' 4" S.Y. PAINT

189' 4" D.Y. PAINT

528' 6" S.W. PAINT

369' 6" DOTTED WHITE (TH)

+99.23

+38.20

8'

5'

10'

12'

2'

+05.25

633' 4" S.Y. PAINT

633' 4" I.Y. PAINT

45' 24" S.W. @ 20' C-C (TH)

+72.45

9' 24" S.W. @ 20' C-C (TH)

BIKE SYMBOL AND ARROW (TH) (TYP.)

213 6" S.W. PAINT

+18.07

160' 6" DOTTED WHITE (TH)

+79.19

228' 6" S.W. PAINT

27' 6" DOTTED WHITE (TH)

+06.19

+98.07

34

BIKE LANE ENDS

R3-17 24"X18"

R3-17B 24"X8" (R&REPLACE)

7' 24" S.W. @ 20' C-C (TH)

45' 4" D.Y. PAINT

178' 6" S.W. PAINT

+95.07

1'

8'

6'

10'

12'

5'

10'

+54.55

2'

287' 6" S.W. PAINT

41' 24" S.W. @ 20' C-C (TH)

SCALE

0 20 40 60

KEVIN M. OSTERMILLER NUMBER PE-2015008160 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

DATE PREPARED: 3/27/2025

ROUTE: 100 | STATE: MO

DISTRICT: SL | SHEET NO.: 73

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

PAVEMENT MARKING

ROUTE 100

SHEET 14 OF 33

STRIPING LEGEND

I.W. INTERMITTENT WHITE

S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW

MATCHLINE STA. 1149+00.00

105' 6" S.W. PAINT

105' 4" D.Y. PAINT

4'

+54.19

+04.55

10'

11'

10'

1150+00

+04.55

+16.80

+11.07

33' 6" S.W. PAINT

9' 24" S.W. @ 20' C-C (TH)

35

SHARE THE ROAD

W11-1 36"X36"

W16-1 24"X30" (R&REPLACE)

SCALE

0 20 40 60

S. TAYLOR AVE.

SHARE THE ROAD

W11-1 36"X36"

W16-1 24"X30" (R&REPLACE)

36

9' X 30" S.W. CONTINENTAL CROSS WALK (TH)

+47.12

+09.09

22' 24" S.W. STOP BAR (TH)

100' 6" S.W. PAINT

94' 6" S.W. PAINT

S. TAYLOR AVE.

BUS

+09.00

21' 24" S.W. STOP BAR (TH)

436' 6" S.W. PAINT

+87.14

+14.16

112' 4" D.Y. PAINT

9' X 30" S.W. CONTINENTAL CROSS WALK (TH)

BUS

8'

11'

10'

+01.92

+14.16

+26.37

MANCHESTER AVE.

8'

11'

10'

+14.16

39

SHARE THE ROAD

W11-1 36"X36"

W16-1 24"X30" (R&REPLACE)

30' 24" S.Y. @ 20' C-C (TH)

336' 6" S.W. PAINT

SHARE THE ROAD

W11-1 36"X36"

W16-1 24"X30" (R&REPLACE)

99' 4" S.Y. PAINT

BIKE SHARED LANE (TH) (TYP.)

250' 4" D.Y. PAINT

PR. MEDIAN

41

+51.04

40

R4-7 24"X30"

99' 4" S.Y. PAINT

8'

11'

10'

12'

8'

MATCHLINE STA. 1154+50.00

PR. MEDIAN

PR. MEDIAN

138' 4" S.Y. PAINT

220' 4" D.Y. PAINT

20' 24" S.Y. @ 20' C-C (TH)

328' 6" S.W. PAINT

8'

12'

10'

8'

11'

1155+00

+87.78

MANCHESTER AVE.

+97.54

8'

12'

12'

12'

+77.55

+02.61

+93.53

BUS

9' X 30" S.W. CONTINENTAL CROSS WALK (TH)

80' 4" D.Y. PAINT

80' 6" S.W. PAINT

24' 24" S.W. STOP BAR (TH)

BUS

S. NEWSTEAD AVE.

S. NEWSTEAD AVE.

12' 24" S.W. STOP BAR (TH)

+78.03

+83.60

R4-7 24"X30"

46

200' 4" D.Y. PAINT

BIKE SHARED LANE (TH) (TYP.)

116' 6" S.W. PAINT

12'

+00.48

+63.25

12'

8'

12'

12'

12'

+67.81

45

R4-7 24"X30"

9' X 30" S.W. CONTINENTAL CROSS WALK (TH)

PR. MEDIAN

34' 4" S.Y. PAINT

26' 24" S.Y. @ 20' C-C (TH)

47

SHARE THE ROAD

W11-1 36"X36"

W16-1 24"X30" (R&REPLACE)

116' 6" S.W. PAINT

MATCHLINE STA. 1160+00.00

SCALE

0 20 40 60

NOTE:

1. ALL PAVEMENT MARKINGS SHALL BE WATERBORNE PAVEMENT MARKING PAINT. TYPE L BEADS UNLESS OTHERWISE SPECIFIED.

2. (TH) DESIGNATES PERFORMED THERMOPLASTIC PAVEMENT MARKING. ALL WORDING, STOP BARS, YIELD BARS, SYMBOLS AND ARROWS SHALL BE THERMOPLASTIC.

3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE 100 | STATE MO

DISTRICT SL | SHEET NO. 74

COUNTY ST. LOUIS CITY

JOB NO. JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 15 OF 33

STRIPING LEGEND

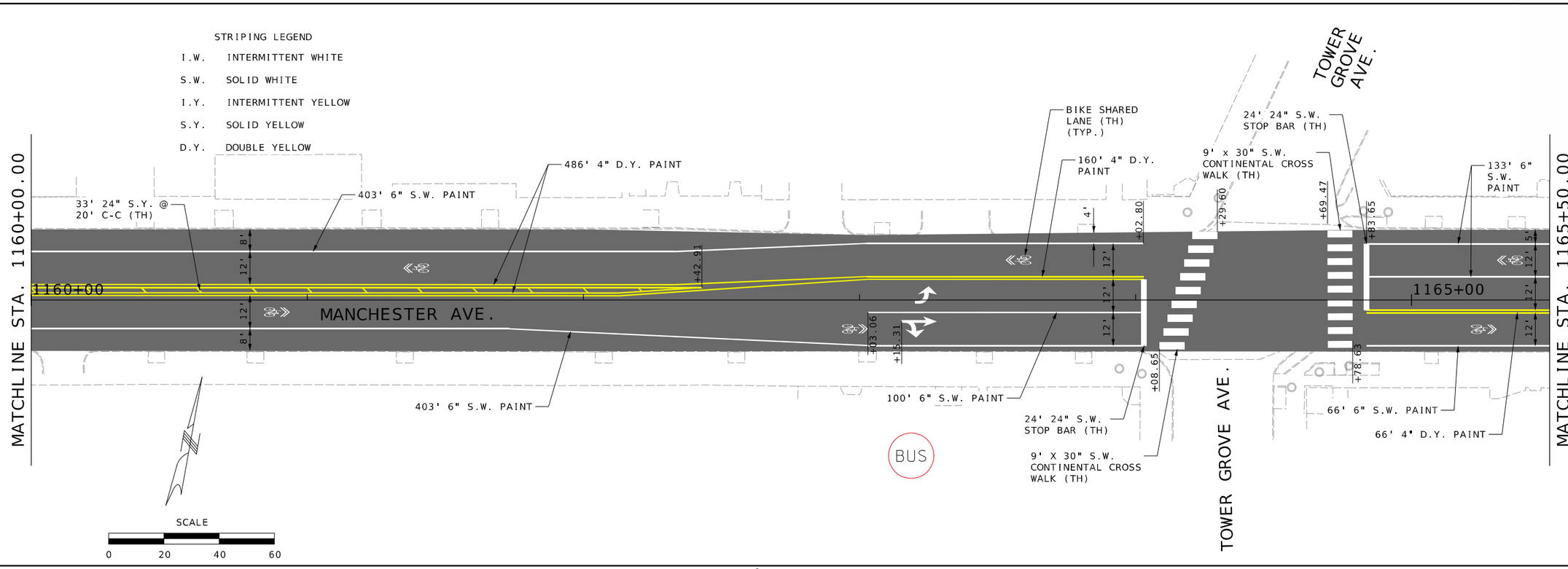
I.W. INTERMITTENT WHITE

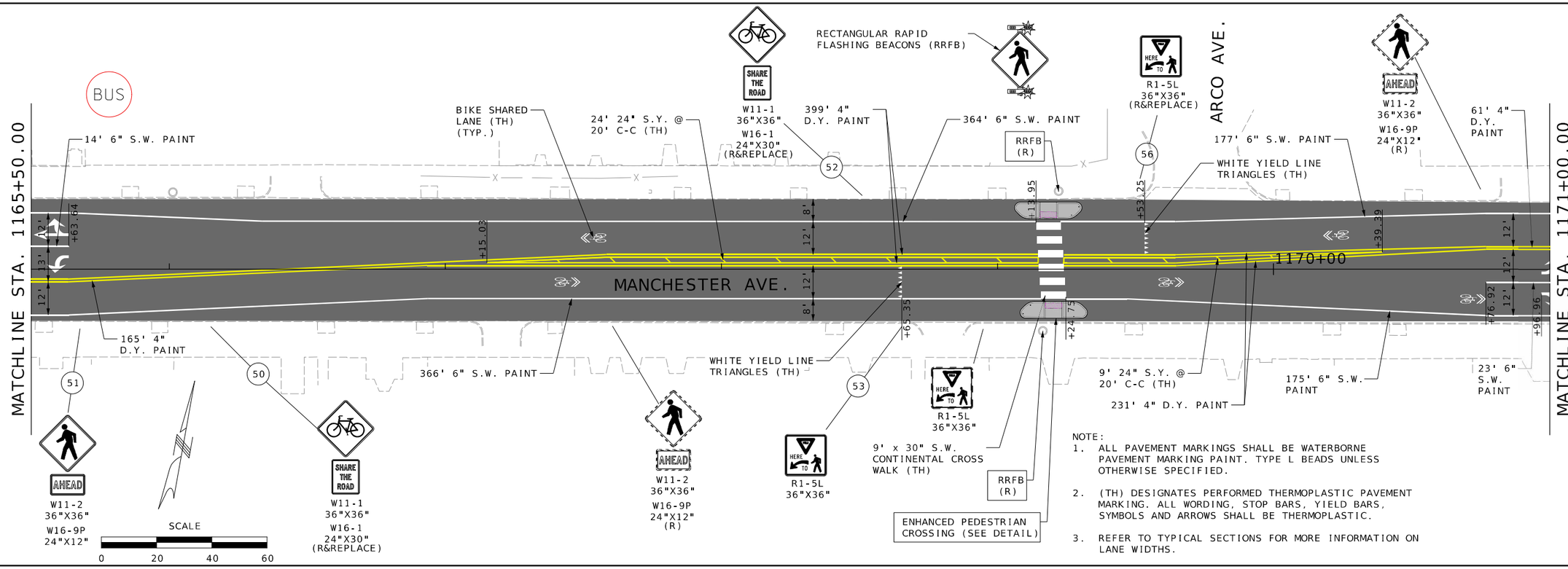
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





NOTE:

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3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	75

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

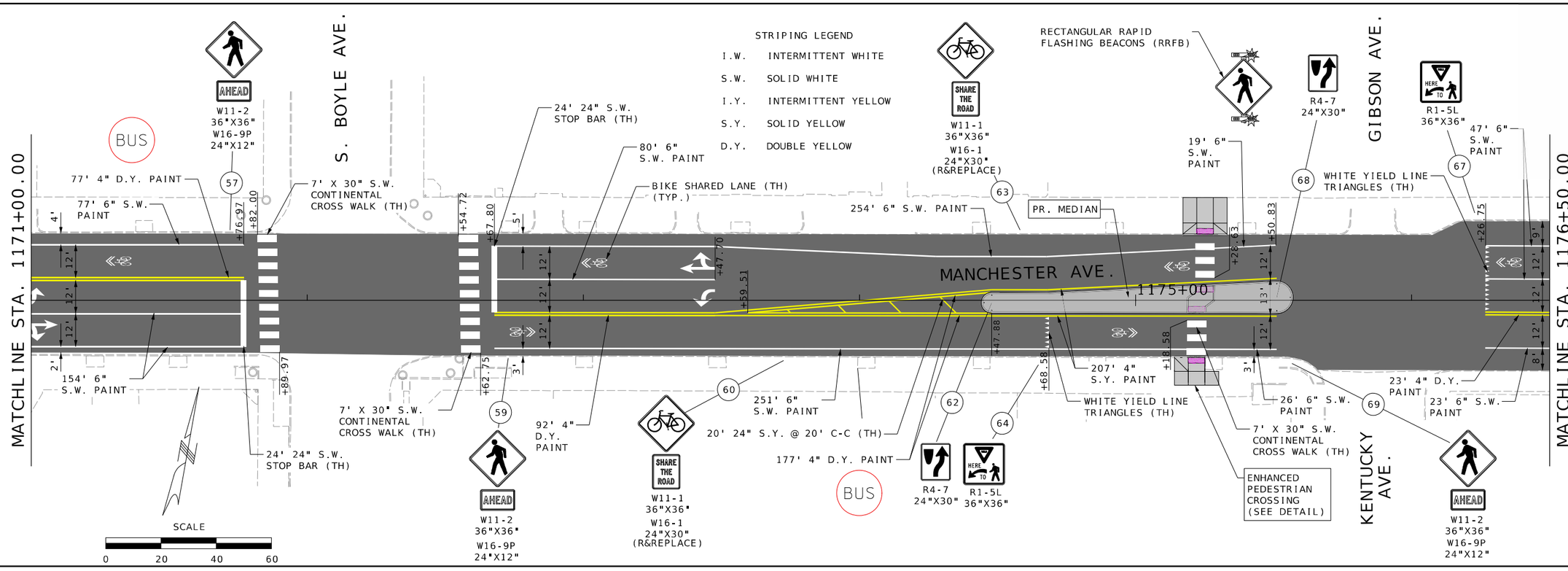
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

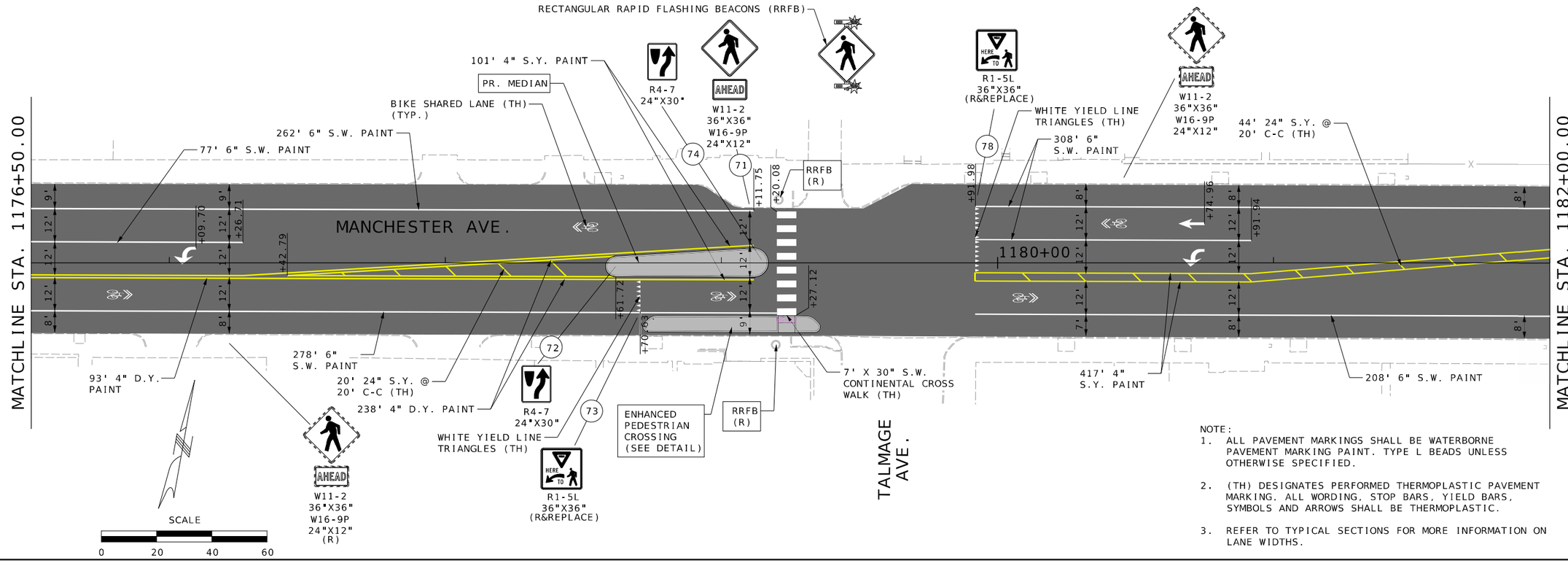
DESCRIPTION | DATE

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

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING
ROUTE 100
SHEET 16 OF 33





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KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 76
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

PAVEMENT MARKING
ROUTE 100
SHEET 17 OF 33

STRIPING LEGEND

I.W. INTERMITTENT WHITE

S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW

AHEAD
W11-2
36"X36"
W16-9P
24"X12"
79

32' 24" S.Y. @ 20' C-C (TH)

134' 6" S.W. PAINT

267' 4" S.Y. PAINT

MATCHLINE STA. 1182+00.00

+33.47

+50.34

233' 6" S.W. PAINT

24' 24" S.W. STOP BAR (TH)

+38.45

+33.57

+49.69

7' X 30" S.W. CONTINENTAL CROSS WALK (TH)

S. SARAH ST.

S. SARAH ST.

+05.63

SHARE THE ROAD
W11-1
36"X36"
W16-1
24"X30"
(R&REPLACE)
82

BUS

26' 24" S.W. STOP BAR (TH)

+18.21

+23.11

80

AHEAD
W11-2
36"X36"
W16-9P
24"X12"

139' 6" S.W. PAINT

+23.04

+06.08

+78.61

139' 4" D.Y. PAINT

BIKE SHARED LANE (TH) (TYP.)

1185+00

MANCHESTER AVE.

RECTANGULAR RAPID FLASHING BEACONS (RRFB)

7' X 30" S.W. CONTINENTAL CROSS WALK (TH)

PR. MEDIAN

+38.04

+61.78

+65.62

+87.28

WHITE YIELD LINE TRIANGLES (TH)

89

R1-5L
36"X36" 210' 6" S.W. PAINT

175' 4" S.Y. PAINT

+94.54

12' 5'

MATCHLINE STA. 1187+50.00

53' 4" D.Y. PAINT

84

R4-7
24"X30"

197' 6" S.W. PAINT

WHITE YIELD LINE TRIANGLES (TH)

+04.34

+26.01

86

BUS

R1-5L
36"X36"

+82.70

155' 4" S.Y. PAINT

67' 6" S.W. PAINT

7' X 30" S.W. CONTINENTAL CROSS WALK (TH)

ENHANCED PEDESTRIAN CROSSING

SCALE
0 20 40 60

W11-2
36"X36"
W16-9P
24"X12"
AHEAD
90

W16-9P
24"X12"

459' 6" S.W. PAINT

304' 4" S.Y. PAINT

PR. MEDIAN

MANCHESTER AVE.

MATCHLINE STA. 1187+50.00

+75.00

25' 6" S.W. PAINT

297' 4" S.Y. PAINT

+44.74

+48.09

+79.50

PC STA 1190+20.40

R4-7
24"X30"
(R&REPLACE)
91

BIKE SYMBOL AND ARROW (TH) (TYP.)

220' 6" DOTTED WHITE (TH)

1190+00

+40.65

+65.53

+55.35

383' 6" S.W. PAINT

BIKE SHARED LANE (TH) (TYP.)

148' 6" S.W. PAINT

17' 24" S.W. STOP BAR (TH)

11' 24" S.W. STOP BAR (TH)

+27.05

+45.94

139' 6" DOTTED WHITE (TH)

S. VANDEVENTER AVE.

S. VANDEVENTER AVE.

+00.24

PT STA 1192+36.83

27' 24" S.W. STOP BAR (TH)

291' 6" S.W. PAINT

+65.94

+81.31

+02.43

7' X 30" S.W. CONTINENTAL CROSS WALK (TH)

97' 4" D.Y. PAINT

16' 24" S.W. @ 20' C-C (TH)

223' 6" S.W. PAINT

MATCHLINE STA. 1193+00.00

SCALE
0 20 40 60

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3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

KEVIN M. OSTERMILLER
NUMBER PE-2015008160
STATE OF MISSOURI
PROFESSIONAL ENGINEER

DATE PREPARED
3/27/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	77

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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)

ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING
ROUTE 100
SHEET 18 OF 33

STRIPING LEGEND

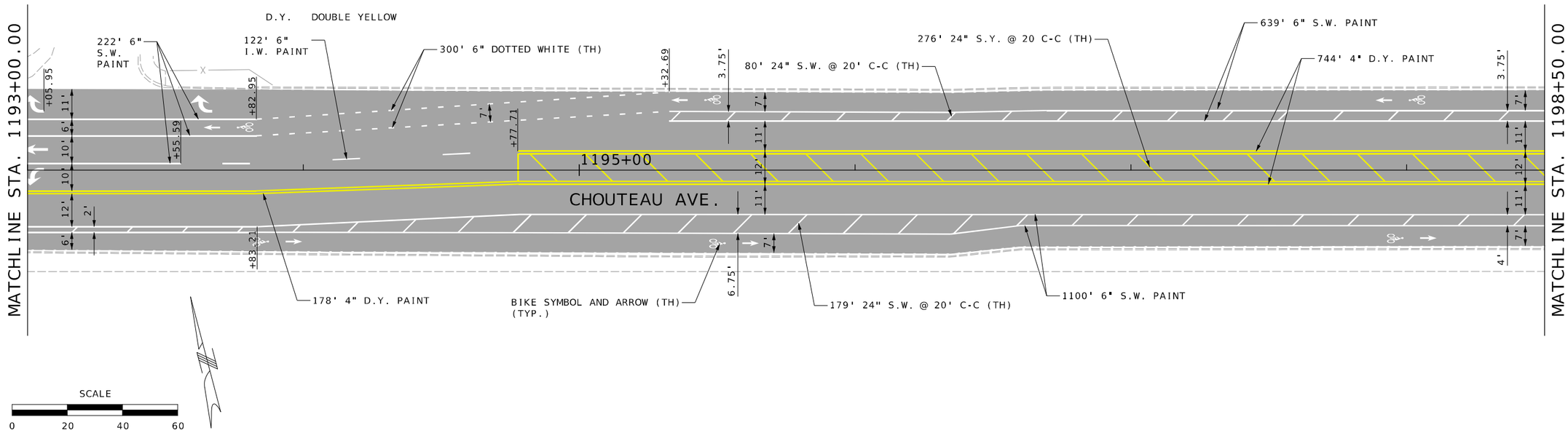
I.W. INTERMITTENT WHITE

S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

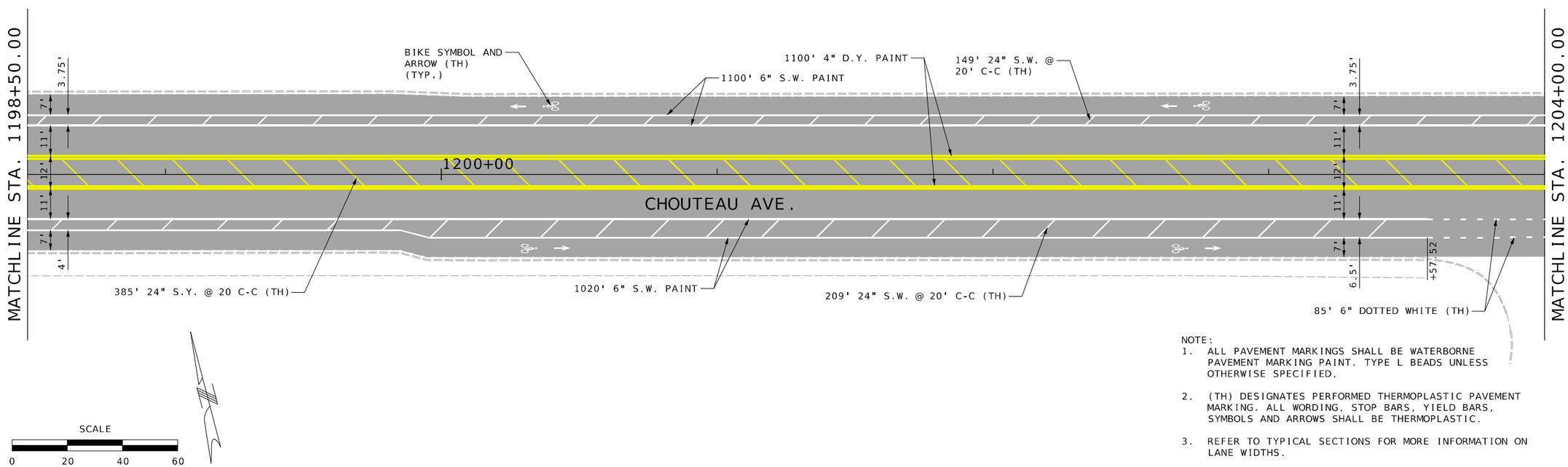
S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW



SCALE

0 20 40 60



SCALE

0 20 40 60

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED	3/27/2025
ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	78
COUNTY	ST. LOUIS CITY
JOB NO.	JSL0073
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)

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 19 OF 33

STRIPING LEGEND

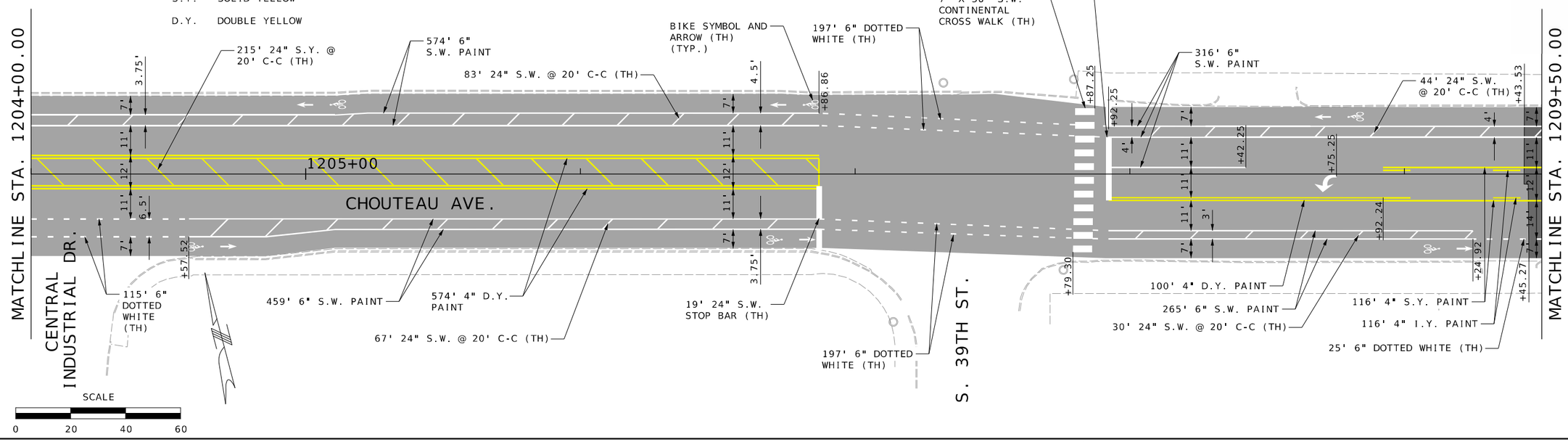
I.W. INTERMITTENT WHITE

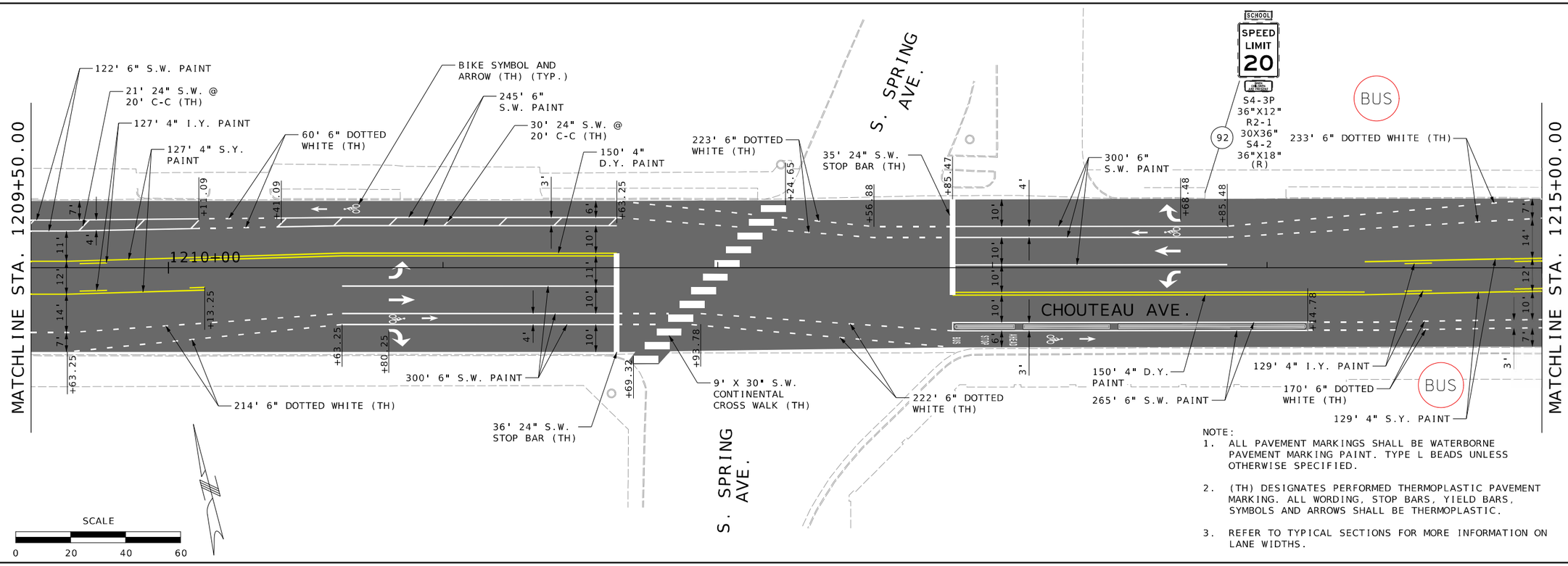
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED	
3/27/2025	
ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	79
COUNTY	
ST. LOUIS CITY	
JOB NO.	
JSL0073	
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)

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 20 OF 33

STRIPING LEGEND

I.W. INTERMITTENT WHITE

S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW

W11-2
36"X36"
W16-9P
24"X12"
(R&REPLACE)

95

1100' 4" S.Y. PAINT

1100' 4" I.Y. PAINT

1060' 6" S.W. PAINT

43' 6" DOTTED WHITE (TH)

MATCHLINE STA. 1215+00.00

MATCHLINE STA. 1220+50.00

1215+00

1220+00

CHOUTEAU AVE.

+01.56 +28.41 +50.33 +72.33 +94.33 +35.49 +56.35 +78.35 +00.35 +23.78 +88.91

48' 6" DOTTED WHITE (TH)

936' 6" S.W. PAINT

BIKE SYMBOL AND ARROW (TH) (TYP.)

122' 6" DOTTED WHITE (TH)

SCALE

0 20 40 60

BUS

GRAND BLVD.

BIKE SYMBOL AND ARROW (TH) (TYP.)

7' X 30" S.W. CONTINENTAL CROSS WALK (TH)

291' 6" DOTTED WHITE (TH)

182' 4" I.Y. PAINT

182' 4" S.Y. PAINT

150' 4" D.Y. PAINT

196' 6" S.W. PAINT

300' 6" S.W. PAINT

38' 24" S.W. STOP BAR (TH)

170' 6" DOTTED WHITE (TH)

146' 6" DOTTED WHITE (TH)

106' 6" S.W. PAINT

MATCHLINE STA. 1220+50.00

MATCHLINE STA. 1226+00.00

+90.85 +95.58 +03.55 +90.83 +51.45 +73.78 +92.42 +75.43 +92.43 +64.65 +40.85 +90.86 +08.36 +95.87 +16.85 +56.90 +83.45 +42.44

CHOUTEAU AVE.

1225+00

282' 6" DOTTED WHITE (TH)

300' 6" S.W. PAINT

36' 24" S.W. STOP BAR (TH)

7' X 30" S.W. CONTINENTAL CROSS WALK (TH)

305' 6" DOTTED WHITE (TH)

150' 4" D.Y. PAINT

295' 6" S.W. PAINT

115' 4" I.Y. PAINT

115' 4" S.Y. PAINT

97

W11-2
36"X36"
W16-9P
24"X12"

NOTE:

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SCALE

0 20 40 60

KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE 100 | STATE MO

DISTRICT SL | SHEET NO. 80

COUNTY ST. LOUIS CITY

JOB NO. JSL0073

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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 21 OF 33

STRIPING LEGEND

I.W. INTERMITTENT WHITE

S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW

RECTANGULAR RAPID FLASHING BEACONS (RRFB)

BUS

7' X 30" S.W. CONTINENTAL CROSS WALK (TH)

R1-5L 36"X36"

104

140' 6" DOTTED WHITE (TH)

WHITE YIELD LINE TRIANGLES (TH)

268' 6" S.W. PAINT

BIKE SYMBOL AND ARROW (TH) (TYP.)

298' 6" DOTTED WHITE (TH)

S. THERESA AVE.

MATCHLINE STA. 1226+00.00

138' 6" S.W. PAINT

303' 6" DOTTED WHITE (TH)

151' 6" S.W. PAINT

117' 6" S.W. PAINT

1230+00

CHOUTEAU AVE.

MATCHLINE STA. 1231+50.00

W4-2R 36"X36" (R)

332' 6" DOTTED WHITE (TH)

WHITE YIELD LINE TRIANGLES (TH)

101

1100' 4" S.Y. PAINT

429' 4" I.Y. PAINT

7' X 15" S.W. CONTINENTAL CROSS WALK (TH)

109' 6" DOTTED WHITE (TH)

ENHANCED PEDESTRIAN CROSSING (SEE DETAIL)

92' 6" S.W. PAINT

456' 6" S.W. PAINT

627' 4" I.Y. PAINT

41' 6" DOTTED WHITE (TH)

CARR LANE AVE.

SCALE

0 20 40 60

AHEAD

W11-2 36"X36"

W16-9P 24"X12"

105

39' 6" DOTTED WHITE (TH)

752' 6" S.W. PAINT

1100' 4" I.Y. PAINT

1100' 4" S.Y. PAINT

60' 6" DOTTED WHITE (TH)

339' 6" S.W. PAINT

291' 6" DOTTED WHITE (TH)

1235+00

CHOUTEAU AVE.

MATCHLINE STA. 1231+50.00

MATCHLINE STA. 1237+00.00

S. THERESA AVE.

79' 6" DOTTED WHITE (TH)

BIKE SYMBOL AND ARROW (TH) (TYP.)

727' 6" S.W. PAINT

80' 6" DOTTED WHITE (TH)

226' 6" S.W. PAINT

RANKEN AVE.

SCALE

0 20 40 60

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KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED	
3/27/2025	
ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	81

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

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)

TWM ENGINEERING GEOSPATIAL SERVICES
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(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 22 OF 33

STRIPING LEGEND

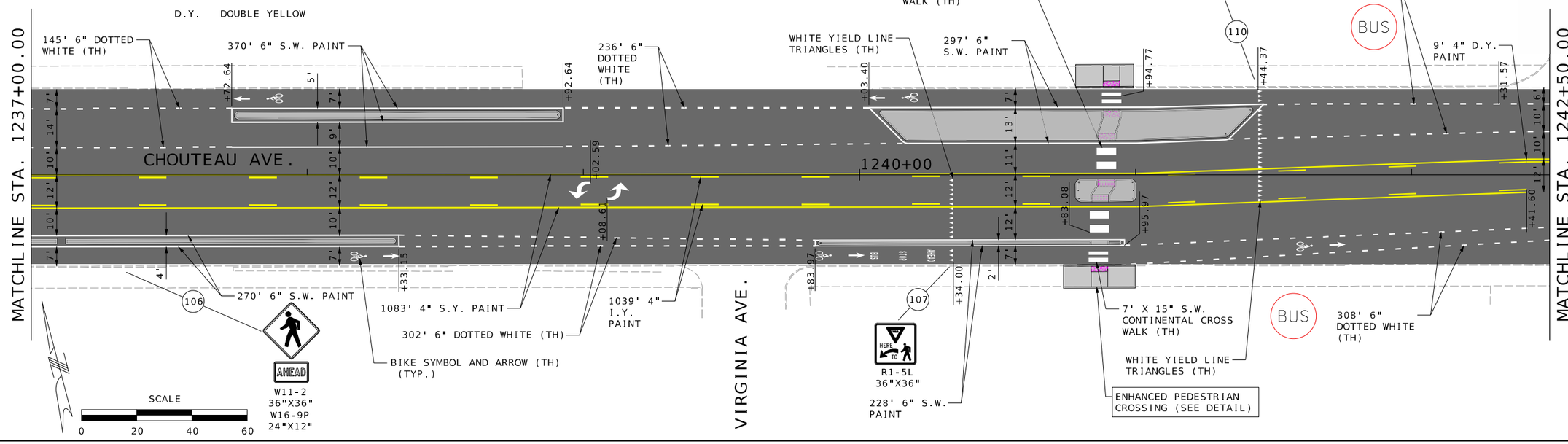
I.W. INTERMITTENT WHITE

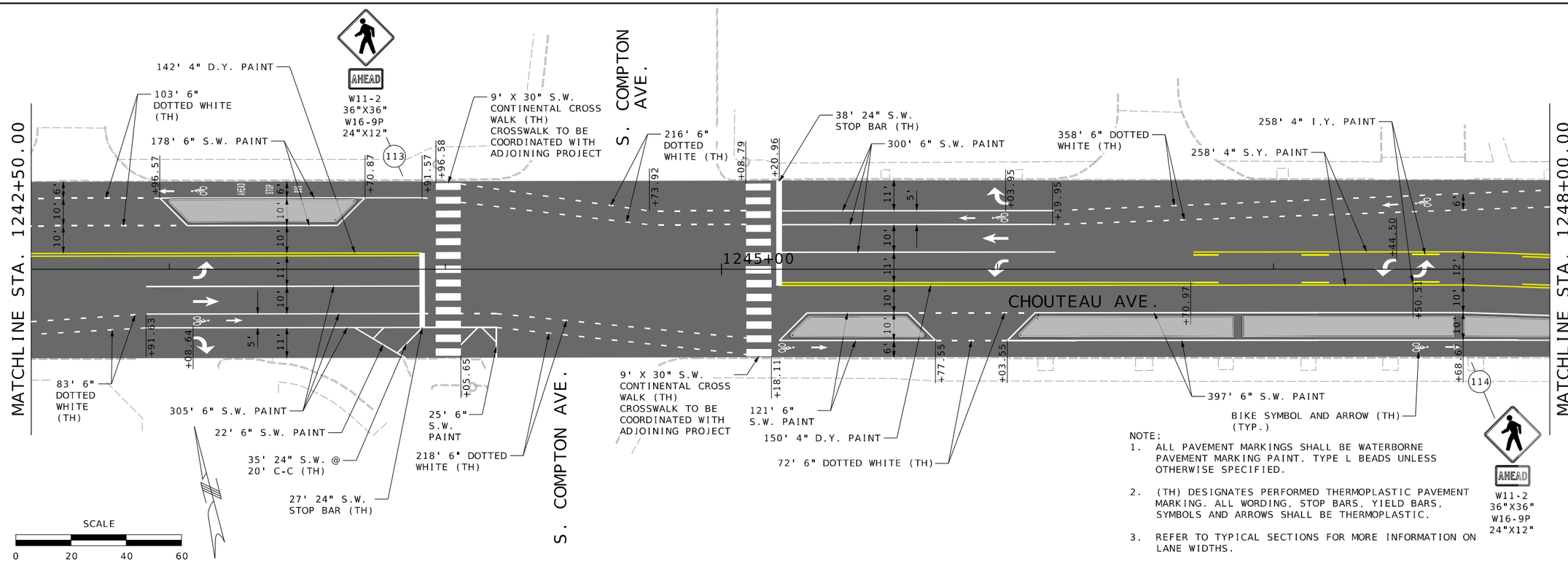
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





NOTE:

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3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

STATE OF MISSOURI
KEVIN M. OSTERMILLER NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	82

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

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

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 23 OF 33

STRIPING LEGEND

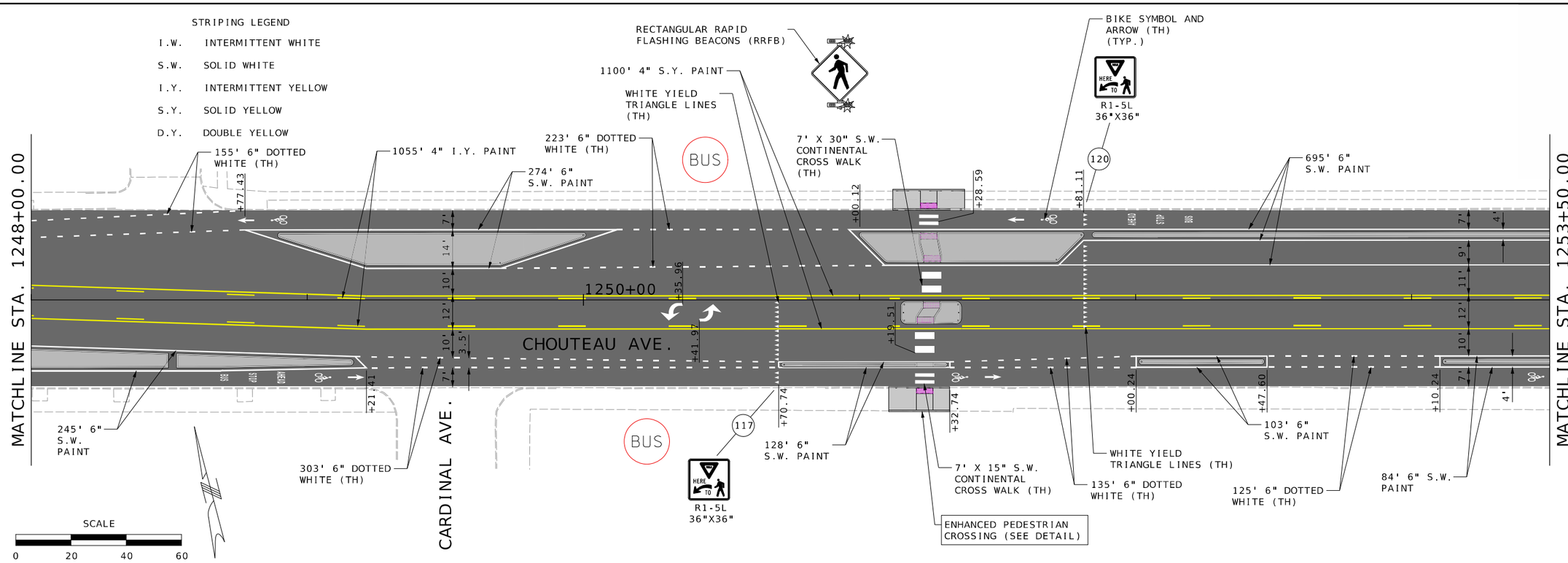
I.W. INTERMITTENT WHITE

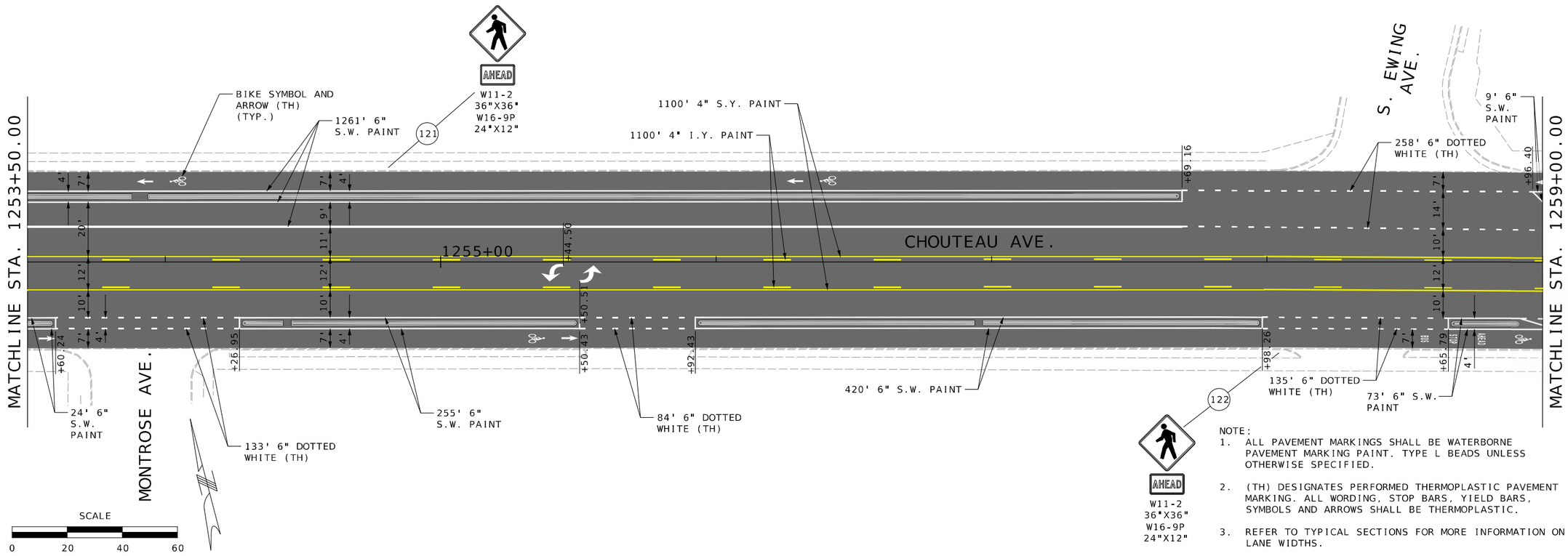
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





NOTE:

1. ALL PAVEMENT MARKINGS SHALL BE WATERBORNE PAVEMENT MARKING PAINT. TYPE L BEADS UNLESS OTHERWISE SPECIFIED.
2. (TH) DESIGNATES PERFORMED THERMOPLASTIC PAVEMENT MARKING. ALL WORDING, STOP BARS, YIELD BARS, SYMBOLS AND ARROWS SHALL BE THERMOPLASTIC.
3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI PROFESSIONAL ENGINEER

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

DATE PREPARED	
3/27/2025	
ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	83

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 24 OF 33

STRIPING LEGEND

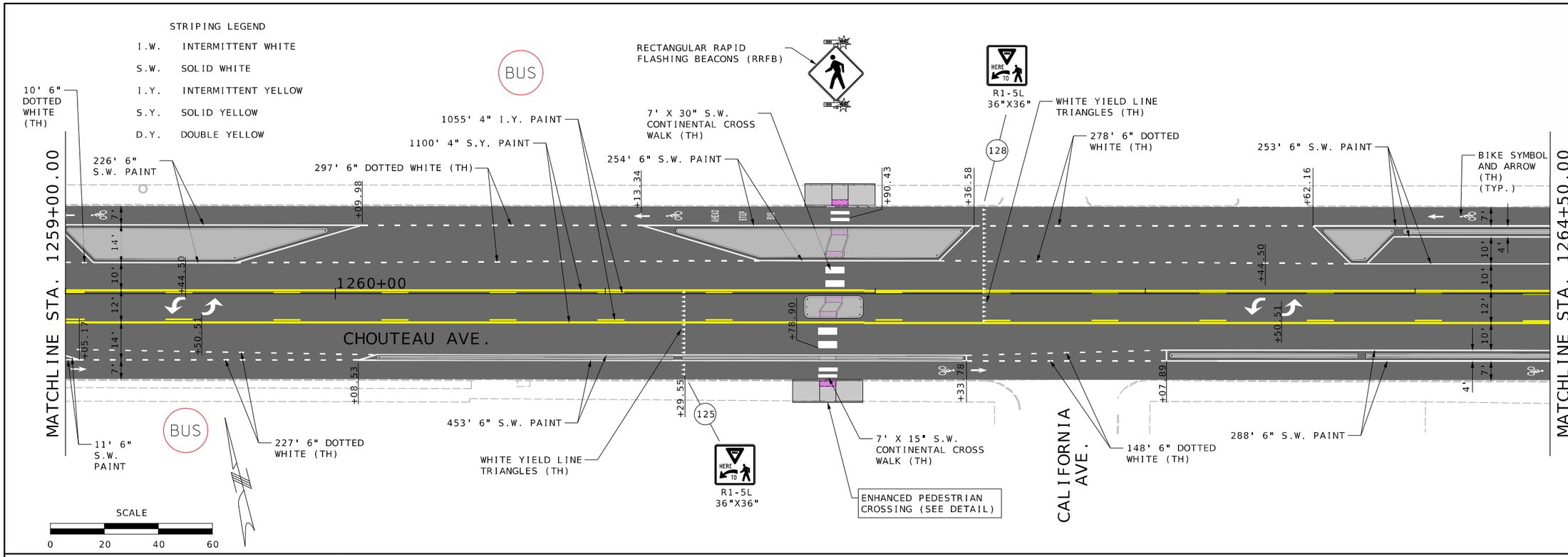
I.W. INTERMITTENT WHITE

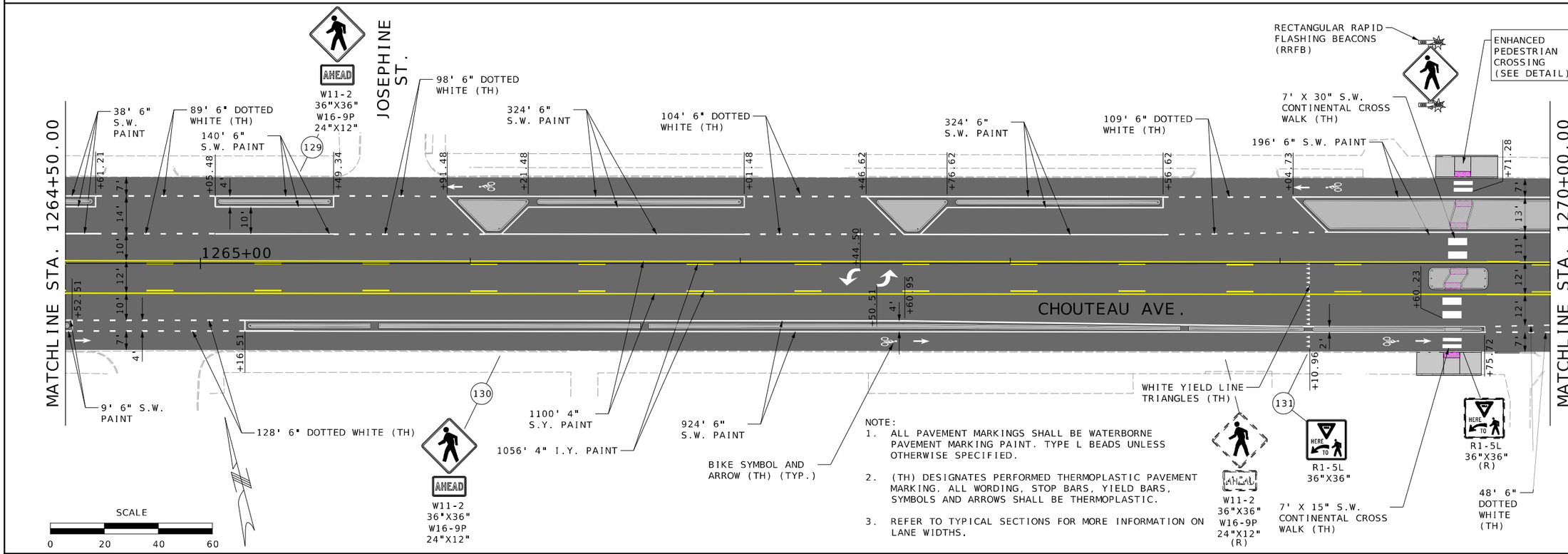
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	84

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

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

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

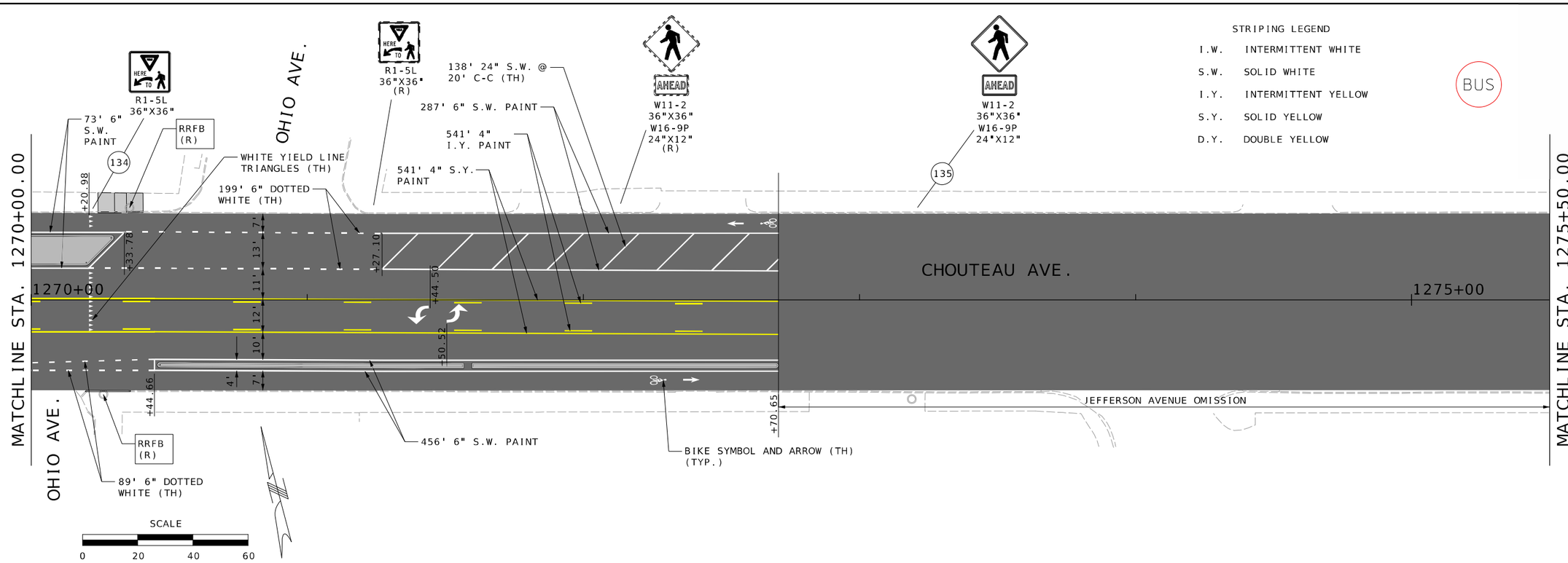
MoDOT

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 25 OF 33



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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED: 3/27/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 85
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

TWM ENGINEERING GEOSPATIAL SERVICES
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(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING
ROUTE 100
SHEET 26 OF 33

STRIPING LEGEND

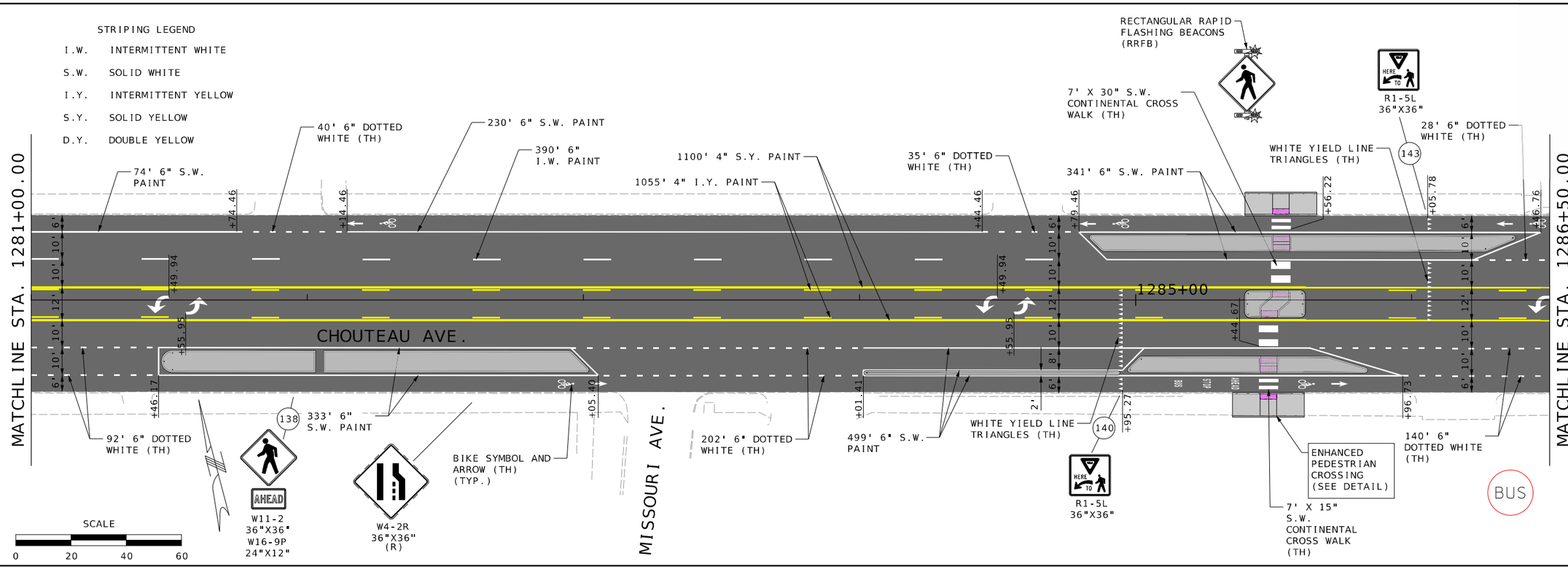
I.W. INTERMITTENT WHITE

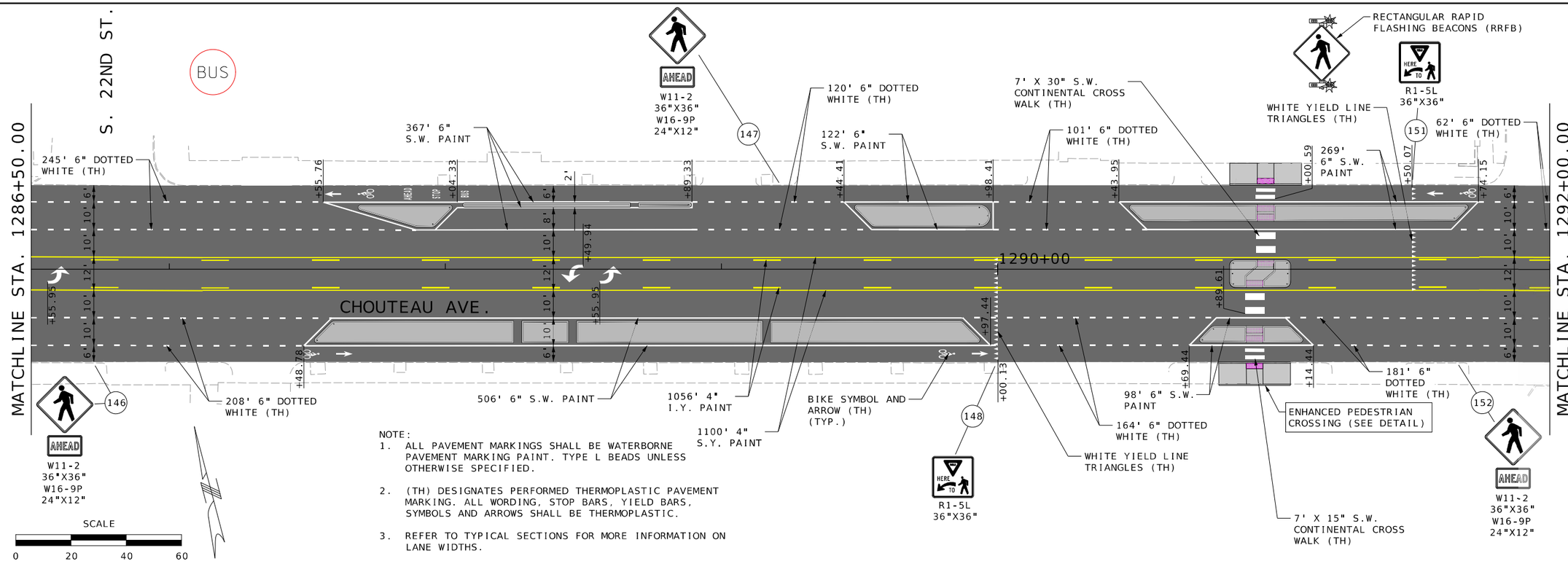
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





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KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	86

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

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

DESCRIPTION | DATE

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

ENGINEERING GEOSPATIAL SERVICES
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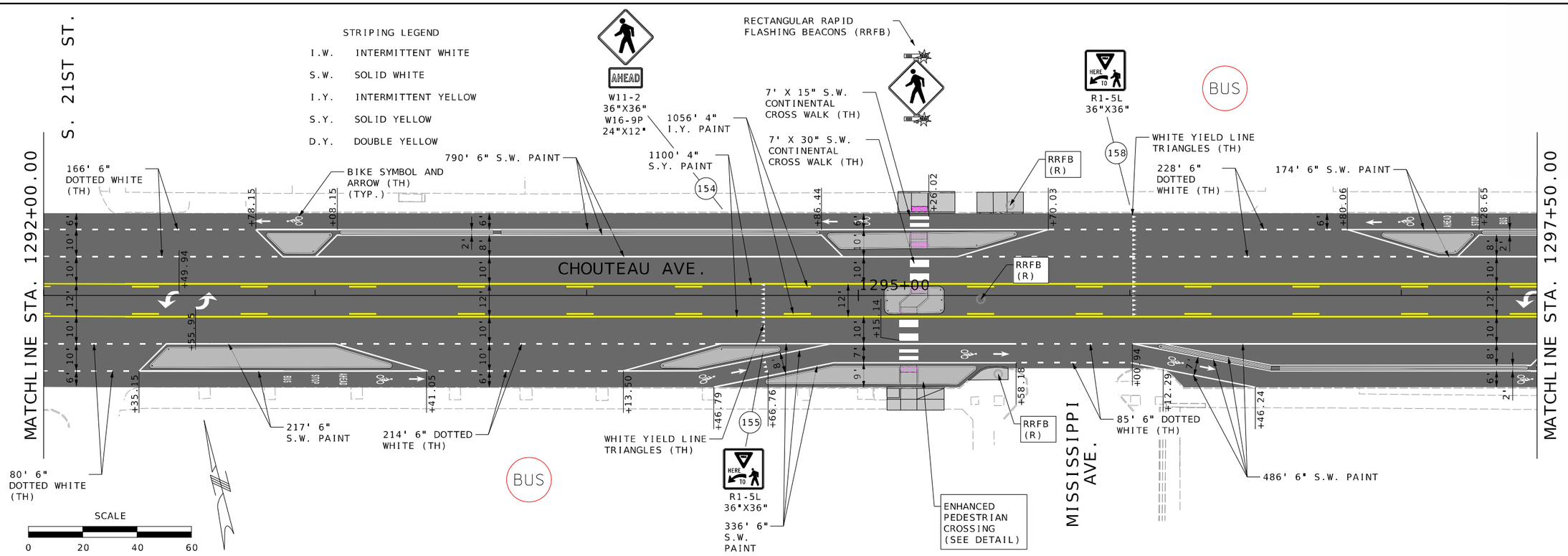
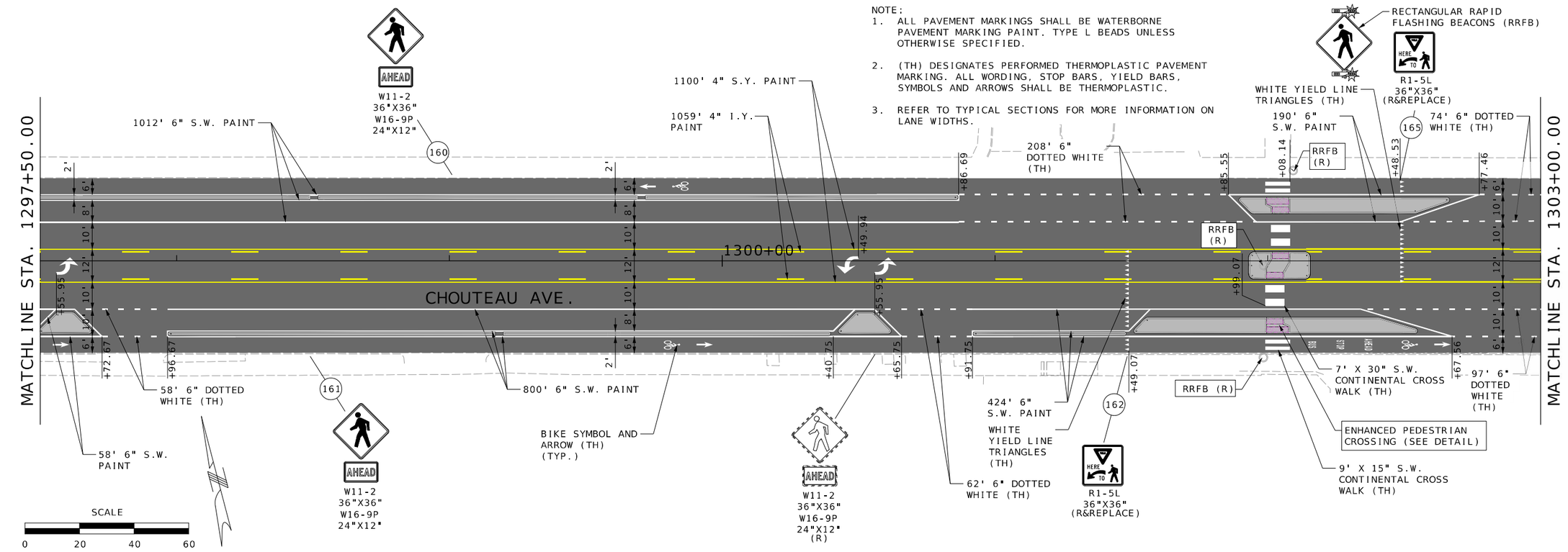
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING
ROUTE 100
SHEET 27 OF 33





KEVIN M. OSTERMILLER
NUMBER PE-2015008160
STATE OF MISSOURI
PROFESSIONAL ENGINEER

DATE PREPARED
3/27/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	87

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

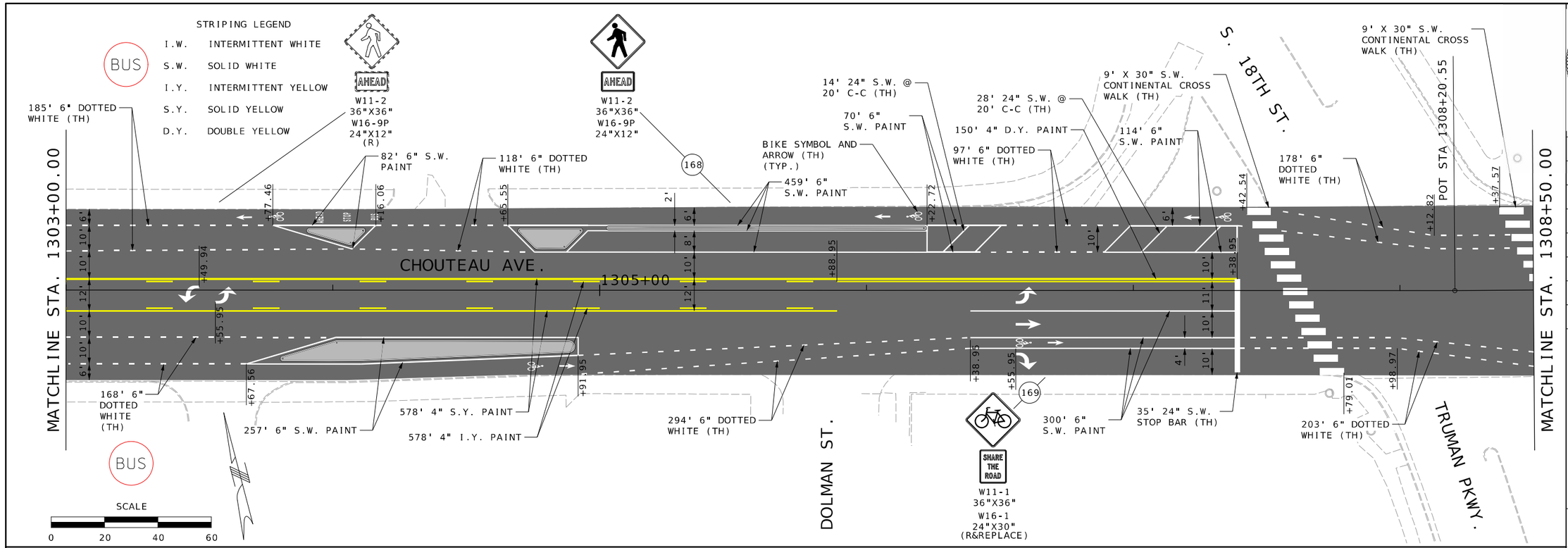
BRIDGE NO.

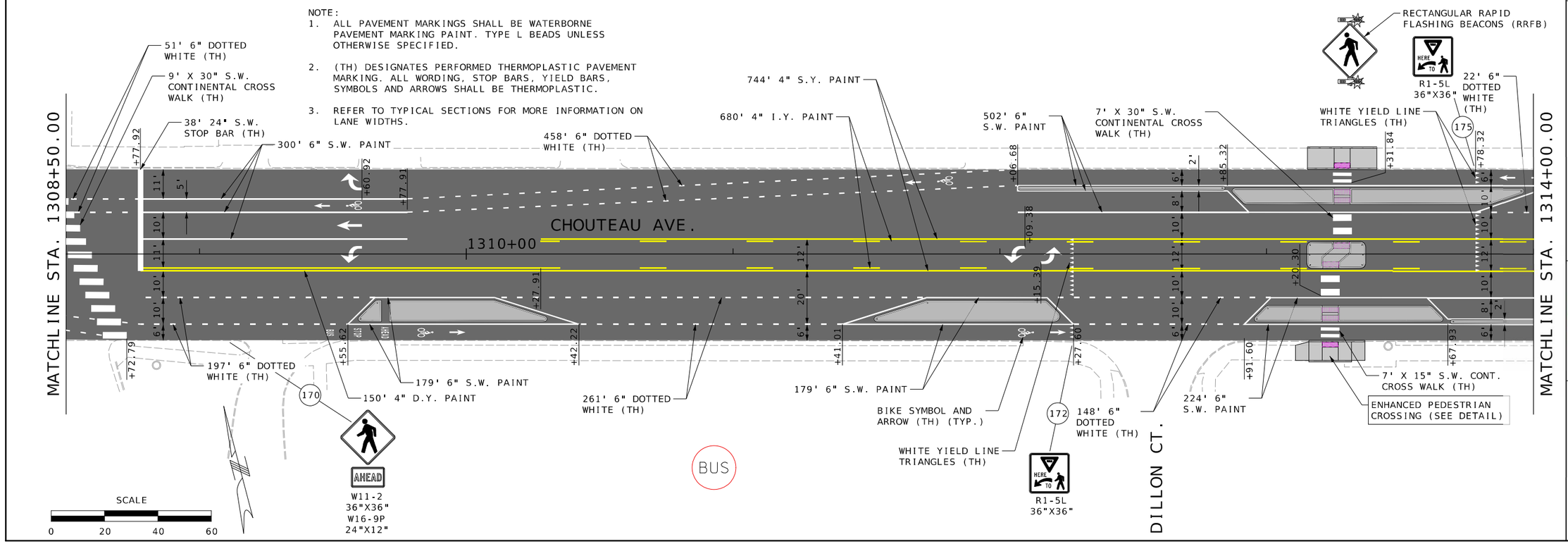
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)
MoDOT
TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

PAVEMENT MARKING
ROUTE 100
SHEET 28 OF 33





KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 88
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)
MoDOT
TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING
ROUTE 100
SHEET 29 OF 33

STRIPING LEGEND

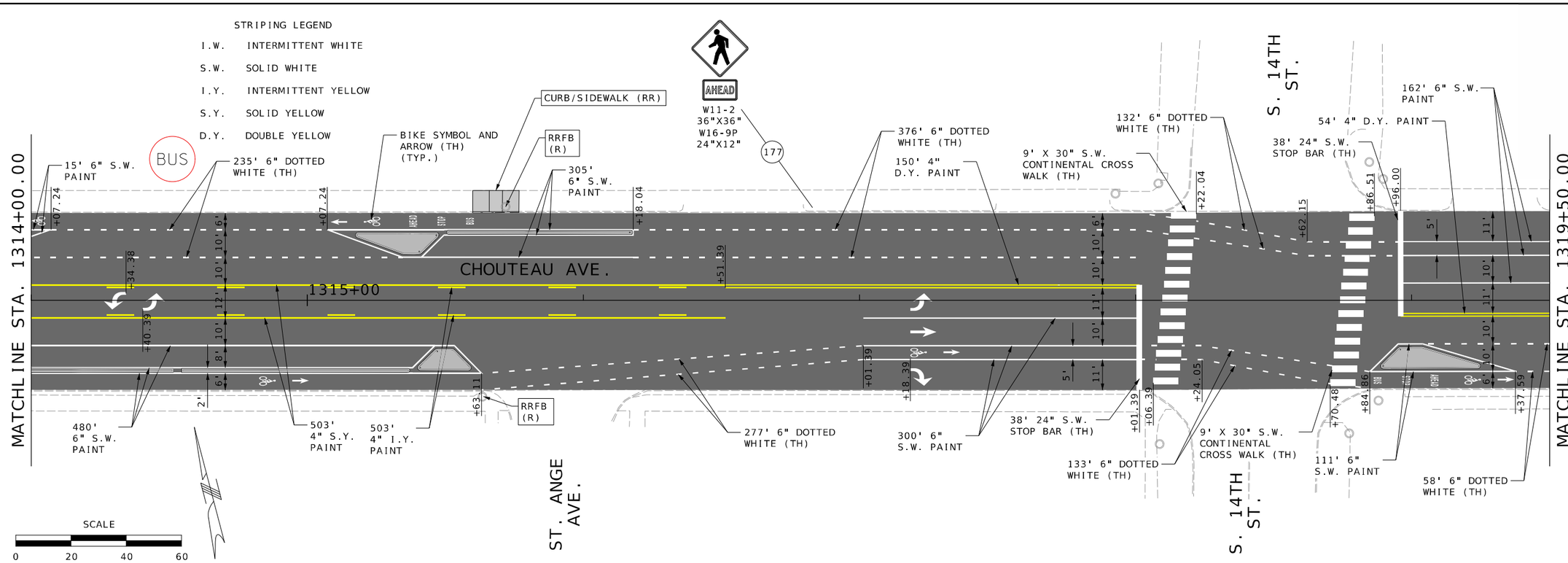
I.W. INTERMITTENT WHITE

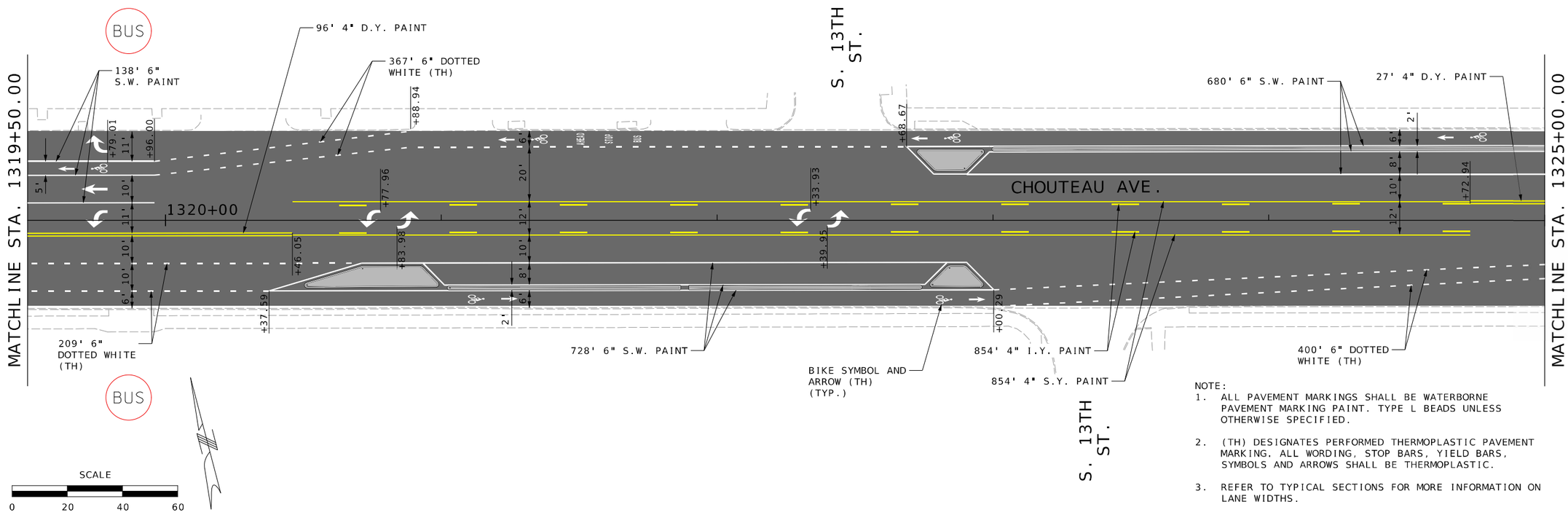
S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW





NOTE:

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3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

STATE OF MISSOURI
KEVIN M. OSTERMILLER NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	89

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

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

DESCRIPTION | DATE

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

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 30 OF 33

STRIPING LEGEND

I.W. INTERMITTENT WHITE

S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW

MATCHLINE STA. 1325+00.00

MATCHLINE STA. 1330+50.00

1325+00

1330+00

CHOUTEAU AVE.

TUCKER BLVD.

S. 11TH ST.

221' 6" S.W. PAINT

123' 4" D.Y. PAINT

BIKE SYMBOL AND ARROW (TH) (TYP.)

46' 6" DOTTED WHITE (TH)

300' 6" S.W. PAINT

38' 24" S.W. STOP BAR (TH)

9' X 30" S.W. CONTINENTAL CROSS WALK (TH) CROSSWALK TO BE COORDINATED WITH ADJOINING PROJECT

9' X 30" S.W. CONTINENTAL CROSS WALK (TH) CROSSWALK TO BE COORDINATED WITH ADJOINING PROJECT

332' 6" DOTTED WHITE (TH)

37' 24" S.W. STOP BAR (TH)

222' 6" DOTTED WHITE (TH)

150' 4" HARDENED CENTERLINE

7' X 30" S.W. CONTINENTAL CROSS WALK (TH)

W11-2 36"X36" W16-9P 24"X12"

AHEAD

R3-2 36"X36"

R4-7 24"X30"

300' 6" S.W. PAINT

316' 6" DOTTED WHITE (TH)

286' 4" S.Y. PAINT

286' 4" I.Y. PAINT

108' 6" S.W. PAINT

464' 6" DOTTED WHITE (TH)

161' 6" S.W. PAINT

BUS

SCALE

0 20 40 60

NOTE:

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3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

MATCHLINE STA. 1330+50.00

MATCHLINE STA. 1336+00.00

1335+00

CHOUTEAU AVE.

S. 10TH ST.

7' X 30" S.W. CONTINENTAL CROSS WALK (TH)

WHITE YIELD LINE TRIANGLES (TH)

231' 6" S.W. PAINT

RECTANGULAR RAPID FLASHING BEACONS (RRFB)

CURB/ SIDEWALK (RR)

RRFB (R)

R1-5L 36"X36"

WHITE YIELD LINE TRIANGLES (TH)

272' 6" DOTTED WHITE (TH)

333' 6" S.W. PAINT

190' 6" DOTTED WHITE (TH)

117' 6" S.W. PAINT

ENHANCED PEDESTRIAN CROSSING (SEE DETAIL)

7' X 15" S.W. CONTINENTAL CROSS WALK (TH)

BIKE SYMBOL AND ARROW (TH) (TYP.)

1074' 6" S.W. PAINT

1100' 4" S.Y. PAINT

1012' 4" I.Y. PAINT

AHEAD

W11-2 36"X36" W16-9P 24"X12" (R)

305' 6" DOTTED WHITE (TH)

175' 6" S.W. PAINT

WHITE YIELD LINE TRIANGLES (TH)

7' X 15" S.W. CONTINENTAL CROSS WALK (TH)

44' 6" DOTTED WHITE (TH)

BUS

SCALE

0 20 40 60

KEVIN M. OSTERMILLER NUMBER PE-2015008160

STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025

ROUTE 100 | STATE MO

DISTRICT SL | SHEET NO. 90

COUNTY ST. LOUIS CITY

JOB NO. JSL0073

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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 31 OF 33

STRIPING LEGEND

I.W. INTERMITTENT WHITE

S.W. SOLID WHITE

I.Y. INTERMITTENT YELLOW

S.Y. SOLID YELLOW

D.Y. DOUBLE YELLOW

MATCHLINE STA. 1336+00.00

MATCHLINE STA. 1341+50.00

CHOUTEAU AVE.

1340+00

S. 9TH ST.

CURB/ SIDEWALK (RR)

RRFB (R)

R1-5L 36"X36" (R&REPLACE)

WHITE YIELD LINE TRIANGLES (TH)

78' 6" S.W. PAINT

110' 6" DOTTED WHITE (TH)

1100' 4" S.Y. PAINT

1064' 4" I.Y. PAINT

1249' 6" S.W. PAINT

W11-2 36"X36" W16-9P 24"X12" (R&REPLACE)

BIKE SYMBOL AND ARROW (TH) (TYP.)

RECTANGULAR RAPID FLASHING BEACONS (RRFB)

7' X 30" S.W. CONTINENTAL CROSS WALK (TH)

SIDEWALK (R) CURB (RR)

60' 6" DOTTED WHITE (TH)

148' 6" DOTTED WHITE (TH)

1371' 6" S.W. PAINT

W11-2 36"X36" W16-9P 24"X12" (R)

WHITE YIELD LINE TRIANGLES (TH)

R1-5L 36"X36"

7' X 15" S.W. CONTINENTAL CROSS WALK (TH)

R1-5L 36"X36" (R)

ENHANCED PEDESTRIAN CROSSING (SEE DETAIL)

CURB/ SIDEWALK (RR)

SCALE 0 20 40 60

NOTE:
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3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

MATCHLINE STA. 1341+50.00

MATCHLINE STA. 1347+00.00

CHOUTEAU AVE.

1345+00

S. 7TH ST.

226' 4" S.Y. PAINT

63' 6" DOTTED WHITE (TH)

226' 4" I.Y. PAINT

173' 6" S.W. PAINT

267' 6" DOTTED WHITE (TH)

150' 4" D.Y. PAINT

W11-2 36"X36" W16-9P 24"X12"

113' 6" S.W. PAINT

9' X 30" S.W. CONTINENTAL CROSS WALK (TH)

140' 6" DOTTED WHITE (TH)

38' 24" S.W. STOP BAR (TH)

300' 6" S.W. PAINT

193' 6" DOTTED WHITE (TH)

93' 4" S.Y. PAINT

93' 4" I.Y. PAINT

150' 4" D.Y. PAINT

28' 6" S.W. PAINT

299' 6" DOTTED WHITE (TH)

300' 6" S.W. PAINT

38' 24" S.W. STOP BAR (TH)

126' 6" DOTTED WHITE (TH)

9' X 30" S.W. CONTINENTAL CROSS WALK (TH)

9' X 30" S.W. CONTINENTAL CROSS WALK (TH)

SIDEWALK (R) CURB (RR)

BIKE SYMBOL AND ARROW (TH) (TYP.)

136' 6" DOTTED WHITE (TH)

135' 6" S.W. PAINT

161' 6" DOTTED WHITE (TH)

WHITE YIELD LINE TRIANGLES (TH)

W11-2 36"X36" W16-9P 24"X12" (R&REPLACE)

R1-5L 36"X36" (R&REPLACE)

14' 6" S.W. PAINT

SCALE 0 20 40 60

BUS

BUS

KEVIN M. OSTERMILLER NUMBER PE-2015008160
PROFESSIONAL ENGINEER
STATE OF MISSOURI

DATE PREPARED 3/27/2025

ROUTE 100 | STATE MO

DISTRICT SL | SHEET NO. 91

COUNTY ST. LOUIS CITY

JOB NO. JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TWM ENGINEERING GEOSPATIAL SERVICES
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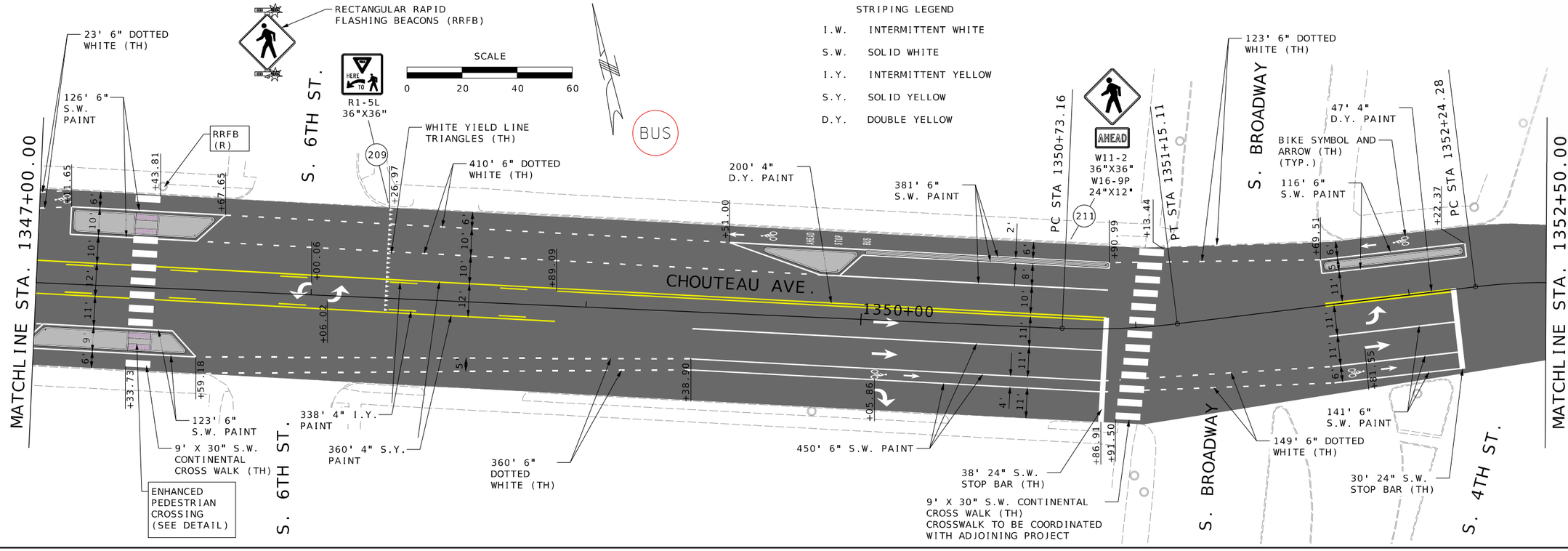
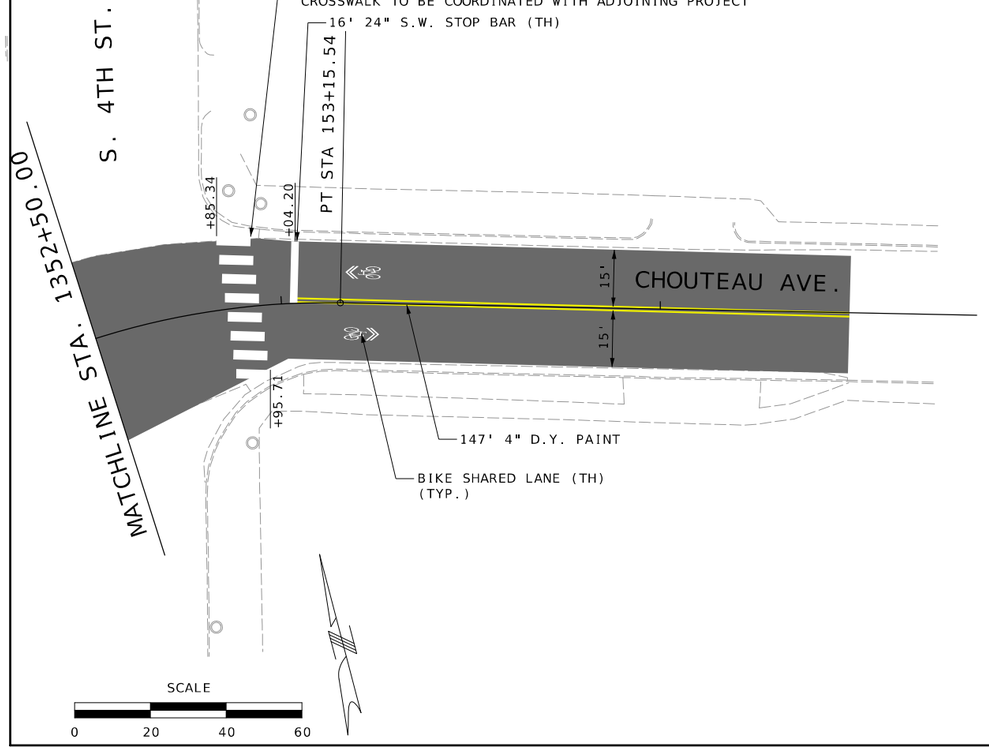
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING

ROUTE 100

SHEET 32 OF 33





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1. ALL PAVEMENT MARKINGS SHALL BE WATERBORNE PAVEMENT MARKING PAINT. TYPE L BEADS UNLESS OTHERWISE SPECIFIED.
2. (TH) DESIGNATES PERFORMED THERMOPLASTIC PAVEMENT MARKING. ALL WORDING, STOP BARS, YIELD BARS, SYMBOLS AND ARROWS SHALL BE THERMOPLASTIC.
3. REFER TO TYPICAL SECTIONS FOR MORE INFORMATION ON LANE WIDTHS.

STATE OF MISSOURI
KEVIN M. OSTERMILLER NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 92
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

PAVEMENT MARKING
ROUTE 100
SHEET 33 OF 33

EFFECTIVE: 07-01-2022

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)						STRUCTURAL STEEL POSTS *						PIPE POSTS *					BACKING BARS				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE												FOOTINGS		REMARKS AND OTHER REQUIRED ITEMS
																						2 IN. POST						2.5 IN. POST						BREAK-AWAY ASSEMBLY			
																									ANCHORS					ANCHORS						
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO. 9031210	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	NO. EACH	2" X ?" BARS @ 2.55 LBS PER FT LGTH	TOTAL	TOTAL	ITEM NO. 9031250A	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	ITEM NO. 9031241	EMBD ITEM NO. 9031010	BOLT DOWN SIGN BASE PLATE ITEM NO. 9039902	
							LF	LF	LF		LBS	IN.	LF	LF		LBS	EACH	IN.	LF	LBS	LF	LF	LF		EA	EA	EA	LF	LF		EA	EA	EA	EA	CU YDS	EA	
1																																					
2																																					
3	BUS	1011+86		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
4	BUS	1013+44		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
5	36"X36"	1015+56		RTE 100 RT																		13		13	1												
6	36"X36" 24"X30"	1020+21		RTE 100 LT																		16.25		16.25	1												
7	24"X18" 24"X8"	1022+10		RTE 100 LT																		13		13	1												
8	BUS	1022+14		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
9	BUS	1024+68		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
10	BUS	1030+86		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
11	BUS	1031+38		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
12	BUS	1042+46		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
13	BUS	1044+11		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
14																																					
15	BUS	1052+62		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
16	BUS	1052+90		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
17	BUS	1066+18		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
18	BUS	1067+02		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
19	BUS	1071+80		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
20	BUS	1072+77		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
21	BUS	1079+15		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
22	BUS	1079+31		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
23	BUS	1095+10		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
24	BUS	1095+29		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
25	BUS	1107+77		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
26	BUS	1107+83		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
27	BUS	1117+98		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
28	BUS	1119+12		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
29	BUS	1132+90		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
30	BUS	1133+54		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
31	BUS	1142+16		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
32	BUS	1142+83		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
33	36"X36" 24"X30"	1145+80		RTE 100 LT																		16.25		16.25	1												
34	24"X18" 24"X8"	1148+11		RTE 100 RT																		13		13	1												
35	36"X36" 24"X30"	1149+44		RTE 100 RT																		16.25		16.25	1												
36	36"X36" 24"X30"	1150+26		RTE 100 LT																		16.25		16.25	1												
37	BUS	1151+38		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
38	BUS	1151+46		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
39	36"X36" 24"X30"	1152+59		RTE 100 RT																		16.25		16.25	1												
40	24"X30"	1153+51		RTE 100 LT																		13		13	1												
41	36"X36" 24"X30"	1153+85		RTE 100 LT																		16.25		16.25	1												
42	24"X30"	1155+88		RTE 100 LT																		13		13	1												
43	BUS	1157+46		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
44	BUS	1157+48		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
45	24"X30"	1158+86		RTE 100 LT																		13		13	1												
46	24"X30"	1159+00		RTE 100 LT																		13		13	1												
47	36"X36" 24"X30"	1159+66		RTE 100 RT																		16.25		16.25	1												
48	BUS	1163+28		RTE 100 RT																		13		13	1												POST FOR FUTURE BUS SIGN
49	BUS	1165+83		RTE 100 LT																		13		13	1												POST FOR FUTURE BUS SIGN
50	36"X36" 24"X30"	1166+15		RTE 100 RT																		16.25		16.25	1												
51	36"X36" 24"X12"	1165+65		RTE 100 RT																		14.75		14.75	1												
				SUBTOTAL																				651.75	48												

DISCLAIMER

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

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.

ROUND PIPE POST AND FOOTING DATA TABLE

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

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

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

D-29

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

KEVIN M. OSTERMILLER NUMBER PE-2015008160 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	93

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

ROUTE 100

SHEET 1 OF 5

EFFECTIVE: 07-01-2022

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)						STRUCTURAL STEEL POSTS *						PIPE POSTS *					BACKING BARS				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE												FOOTINGS		REMARKS AND OTHER REQUIRED ITEMS
																						2 IN. POST						2.5 IN. POST						BREAK-AWAY ASSEMBLY			
																									ANCHORS					ANCHORS					
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO. 9031210	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	NO. EACH	2" X ?" BARS @ 2.55 LBS PER FT LGTH IN.	TOTAL LF	TOTAL LBS	ITEM NO. 9031250A	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	ITEM NO. 9031241	EMBD ITEM NO. 9031010	BOLT DOWN SIGN BASE PLATE ITEM NO. 9039902	
							LF	LF	LF		LBS	IN.	LF	LF		LBS	EACH	IN.	LF	LBS	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	EA	EA	EA	EA	CU YDS	EA	
52	36"X36" 24"X30"	1168+51		RTE 100 LT																		16.25		16.25	1											
53	36"X36"	1168+65		RTE 100 RT																		13		13	1											
54																																				
55																																				
56	36"X36"	1169+53		RTE 100 LT																		13		13	1											
57	36"X36" 24"X12"	1171+72		RTE 100 LT																		14.75		14.75	1											
58	BUS	1171+44		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
59	36"X36" 24"X12"	1172+73		RTE 100 RT																		14.75		14.75	1											
60	36"X36" 24"X30"	1173+78		RTE 100 RT																		16.25		16.25	1											
61	BUS	1173+98		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
62	24"X30"	1174+48		RTE 100 RT																		13		13	1											
63	36"X36" 24"X30"	1174+55		RTE 100 LT																		16.25		16.25	1											
64	36"X36"	1174+69		RTE 100 RT																		13		13	1											
65																																				
66																																				
67	36"X36"	1176+27		RTE 100 LT																		13		13	1											
68	24"X30"	1175+51		RTE 100 LT																		13		13	1											
69	36"X36" 24"X12"	1175+71		RTE 100 RT																		14.75		14.75	1											
70																																				
71	36"X36" 24"X12"	1179+10		RTE 100 LT																		14.75		14.75	1											
72	24"X30"	1178+62		RTE 100 RT																		13		13	1											
73	36"X36"	1178+71		RTE 100 RT																		13		13	1											
74	24"X30"	1179+12		RTE 100 LT																		13		13	1											
75																																				
76																																				
77																																				
78	36"X36"	1179+92		RTE 100 LT																		13		13	1											
79	36"X36" 24"X12"	1182+92		RTE 100 LT																		14.75		14.75	1											
80	36"X36" 24"X12"	1184+23		RTE 100 RT																		14.75		14.75	1											
81																																				
82	36"X36" 24"X30"	1184+48		RTE 100 LT																		16.25		16.25	1											
83	BUS	1184+82		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
84	24"X30"	1185+88		RTE 100 RT																		13		13	1											
85	BUS	1185+96		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
86	36"X36"	1186+26		RTE 100 RT																		13		13	1											
87																																				
88																																				
89	36"X36"	1186+95		RTE 100 LT																		13		13	1											
90	36"X36" 24"X12"	1189+95		RTE 100 LT																		14.75		14.75	1											
91	24"X30"	1190+46		RTE 100 LT																		13		13	1											
				SUBTOTAL																		402.25			29											

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.

DISCLAIMER
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ROUND PIPE POST AND FOOTING DATA TABLE

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

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

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

D-29

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

KEVIN M. OSTERMILLER NUMBER PE-2015008160 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 94
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

ROUTE 100
SHEET 2 OF 5

EFFECTIVE: 07-01-2022

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)						STRUCTURAL STEEL POSTS *						PIPE POSTS *					BACKING BARS				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE												FOOTINGS		REMARKS AND OTHER REQUIRED ITEMS
																						2 IN. POST						2.5 IN. POST						BREAK-AWAY ASSEMBLY			
																									ANCHORS						ANCHORS					
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO. 9031210	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	NO. EACH	2" X ?" BARS @ 2.55 LBS PER FT LGTH IN.	TOTAL LF	TOTAL LBS	ITEM NO. 9031250A	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	ITEM NO. 9031241	EMBD ITEM NO. 9031010	BOLT DOWN SIGN BASE PLATE ITEM NO. 9039902	
							LF	LF	LF		LBS	IN.	LF	LF		LBS	EACH	IN.	LF	LBS	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	EA	EA	EA	EA	CU YDS	EA	
92																																					
93	BUS	1214+49		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
94	BUS	1214+69		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
95	36"X36" 24"X12"	1215+48		RTE 100 LT																		14.75		14.75	1											
96	BUS	1221+31		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
97	36"X36" 24"X12"	1224+70		RTE 100 RT																		14.75		14.75	1											
98																																					
99	BUS	1227+10		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
100	BUS	1227+55		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
101	36"X36"	1227+40		RTE 100 RT																		13		13	1											
102																																					
103																																					
104	36"X36"	1229+11		RTE 100 LT																		13		13	1											
105	36"X36" 24"X12"	1232+11		RTE 100 LT																		14.75		14.75	1											
106	36"X36" 24"X12"	1237+34		RTE 100 RT																		14.75		14.75	1											
107	36"X36"	1240+34		RTE 100 RT																		13		13	1											
108																																					
109																																					
110	36"X36"	1241+44		RTE 100 LT																		13		13	1											
111	BUS	1241+55		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
112	BUS	1241+91		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
113	36"X36" 24"X12"	1243+84		RTE 100 LT																		14.75		14.75	1											
114	36"X36" 24"X12"	1247+71		RTE 100 RT																		14.75		14.75	1											
115	BUS	1250+26		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
116	BUS	1250+60		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
117	36"X36"	1250+71		RTE 100 RT																		13		13	1											
118																																					
119																																					
120	36"X36"	1251+81		RTE 100 LT																		13		13	1											
121	36"X36" 24"X12"	1254+81		RTE 100 LT																		14.75		14.75	1											
122	36"X36" 24"X12"	1258+04		RTE 100 RT																		14.75		14.75	1											
123	BUS	1259+59		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
124	BUS	1260+60		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
125	36"X36"	1261+30		RTE 100 RT																		13		13	1											
126																																					
127																																					
128	36"X36"	1262+37		RTE 100 LT																		13		13	1											
129	36"X36" 24"X12"	1265+37		RTE 100 LT																		14.75		14.75	1											
130	36"X36" 24"X12"	1266+11		RTE 100 RT																		14.75		14.75	1											
131	36"X36"	1269+11		RTE 100 RT																		13		13	1											
				SUBTOTAL																				407.5	30											

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.

DISCLAIMER
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ROUND PIPE POST AND FOOTING DATA TABLE

NOM. SIZE (IN.)	WEIGHT LBS/FT	WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	FOOTING DEPTH	CONCRETE C.Y.
2 1/2	5.79	0.48	4'-3 1/2"	12"	4'-6"	0.13
3	7.58	0.63	4'-3 1/2"	12"	4'-6"	0.13
4	10.79	0.90	5'-3 1/2"	18"	5'-6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

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

D-29

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 95
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

ROUTE 100
SHEET 3 OF 5

EFFECTIVE: 07-01-2022

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)						STRUCTURAL STEEL POSTS *						PIPE POSTS *					BACKING BARS				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE												FOOTINGS		REMARKS AND OTHER REQUIRED ITEMS
																						2 IN. POST						2.5 IN. POST						BREAK-AWAY ASSEMBLY			
																									ANCHORS						ANCHORS					
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO. 9031210	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	NO. EACH	2" X ?" BARS @ 2.55 LBS PER FT LGTH IN.	TOTAL LF	TOTAL LBS	ITEM NO. 9031250A	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	ITEM NO. 9031241	EMBD ITEM NO. 9031010	BOLT DOWN SIGN BASE PLATE ITEM NO. 9039902	
							LF	LF	LF		LBS	IN.	LF	LF		LBS	EACH	IN.	LF	LBS	LF	LF	LF	EA	EA	EA	EA	LF	LF	EA	EA	EA	EA	EA	CU YDS	EA	
132																																					
133																																					
134	36"X36"	1270+21		RTE 100 LT																		13		13	1											
135	36"X36" 24"X12"	1273+21		RTE 100 LT																		14.75		14.75	1											
136	BUS	1275+07		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
137	BUS	1278+46		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
138	36"X36" 24"X12"	1281+95		RTE 100 RT																		14.75		14.75	1											
139																																					
140	36"X36"	1284+95		RTE 100 RT																		13		13	1											
141																																					
142																																					
143	36"X36"	1286+06		RTE 100 LT																		13		13	1											
144	BUS	1286+38		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
145	BUS	1287+27		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
146	36"X36" 24"X12"	1286+73		RTE 100 RT																		14.75		14.75	1											
147	36"X36" 24"X12"	1289+21		RTE 100 LT																		14.75		14.75	1											
148	36"X36"	1290+00		RTE 100 RT																		13		13	1											
149																																					
150																																					
151	36"X36"	1291+50		RTE 100 LT																		13		13	1											
152	36"X36" 24"X12"	1291+67		RTE 100 RT																		14.75		14.75	1											
153	BUS	1293+87		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
154	36"X36" 24"X12"	1294+50		RTE 100 LT																		14.75		14.75	1											
155	36"X36"	1294+67		RTE 100 RT																		13		13	1											
156																																					
157																																					
158	36"X36"	1296+01		RTE 100 LT																		13		13	1											
159	BUS	1296+18		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
160	36"X36" 24"X12"	1299+01		RTE 100 LT																		14.75		14.75	1											
161	36"X36" 24"X12"	1298+49		RTE 100 RT																		14.75		14.75	1											
162	36"X36"	1301+49		RTE 100 RT																		13		13	1											
163																																					
164																																					
165	36"X36"	1302+49		RTE 100 LT																		13		13	1											
166	BUS	1303+20		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
167	BUS	1303+30		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
168	36"X36" 24"X12"	1305+49		RTE 100 LT																		14.75		14.75	1											
169	36"X36" 24"X30"	1306+67		RTE 100 RT																		16.25		16.25	1											
170	36"X36" 24"X12"	1309+11		RTE 100 RT																		14.75		14.75	1											
171	BUS	1310+90		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
				SUBTOTAL																				397.75	29											

* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.

DISCLAIMER

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ROUND PIPE POST AND FOOTING DATA TABLE

NOM.SIZE (IN.)	WEIGHT LBS/FT	WEIGHT LBS/IN	STUB LENGTH	FOOTING DIA.	FOOTING DEPTH	CONCRETE C.Y.
2 1/2	5.79	0.48	4'- 3 1/2"	12"	4'-6"	0.13
3	7.58	0.63	4'- 3 1/2"	12"	4'-6"	0.13
4	10.79	0.90	5'- 3 1/2"	18"	5'-6"	0.36

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

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

D-29

KEVIN M. OSTERMILLER NUMBER PE-2015008160 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025

ROUTE: 100 | STATE: MO

DISTRICT: SL | SHEET NO.: 96

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

ROUTE 100 SHEET 4 OF 5

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

EFFECTIVE: 07-01-2022

SIGNS (902 SIGNAL SIGNS TABULATED ON D-37A SHEET)						STRUCTURAL STEEL POSTS *						PIPE POSTS *					BACKING BARS				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE											FOOTINGS		REMARKS AND OTHER REQUIRED ITEMS
																						2 IN. POST						2.5 IN. POST					BREAK-AWAY ASSEMBLY			
																									ANCHORS						ANCHORS				
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	POST DES NO.	POST NO.1	POST NO.2	POST NO.3	LBS PER FT	TOTAL ITEM NO. 9031210	PIPE SIZE	POST NO.1	POST NO.2	LBS PER FT	TOTAL ITEM NO. 9031220	NO. EACH	2" X ?" BARS @ 2.55 LBS PER FT LGTH	TOTAL	TOTAL	ITEM NO. 9031250A	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031270A	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	POST NO.1	POST NO.2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	ITEM NO. 9031241	EMBD ITEM NO. 9031010	BOLT DOWN SIGN BASE PLATE ITEM NO. 9039902	
							LF	LF	LF		LBS	IN.	LF	LF		LBS	EACH	IN.	LF	LBS	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	EA	EA	EA	EA	CU YDS	EA	
172	36"X36"	1312+28		RTE 100 RT																		13		13	1											
175	36"X36"	1313+78		RTE 100 LT																		13		13	1											
176	BUS	1314+47		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
177	36"X36" 24"X12"	1316+83		RTE 100 LT																		14.75		14.75	1											
178	BUS	1319+91		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
179	BUS	1319+92		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
180	36"X36" 24"X12"	1327+59		RTE 100 RT																		14.75		14.75	1											
181	36"X36"	1328+06		RTE 100 RT																		13		13	1											
182	24"X30"	1328+14		RTE 100 RT																		13		13	1											
183	36"X36"	1328+22		RTE 100 RT																		13		13	1											
184	BUS	1329+20		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
185	36"X36"	1330+59		RTE 100 RT																		13		13	1											
188	BUS	1331+67		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
189	36"X36"	1331+94		RTE 100 LT																		13		13	1											
190	36"X36" 24"X12"	1332+05		RTE 100 RT																		14.75		14.75	1											
191	36"X36" 24"X12"	1334+94		RTE 100 LT																		14.75		14.75	1											
192	36"X36"	1335+05		RTE 100 RT																		13		13	1											
195	36"X36"	1336+15		RTE 100 LT																		13		13	1											
196	36"X36" 24"X12"	1337+19		RTE 100 RT																		14.75		14.75	1											
197	36"X36" 24"X12"	1339+15		RTE 100 LT																		14.75		14.75	1											
198	36"X36"	1340+19		RTE 100 RT																		13		13	1											
201	36"X36"	1341+25		RTE 100 LT																		13		13	1											
202	BUS	1342+35		RTE 100 RT																		13		13	1											POST FOR FUTURE BUS SIGN
203	BUS	1343+25		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
204	36"X36" 24"X12"	1345+90		RTE 100 RT																		14.75		14.75	1											
205	36"X36" 24"X12"	1344+09		RTE 100 LT																		14.75		14.75	1											
206	36"X36"	1346+84		RTE 100 RT																		13		13	1											
209	36"X36"	1348+27		RTE 100 LT																		13		13	1											
210	BUS	1349+06		RTE 100 LT																		13		13	1											POST FOR FUTURE BUS SIGN
211	36"X36" 24"X12"	1350+77		RTE 100 LT																		14.75		14.75	1											
SUBTOTAL																								405.75	30											
TOTAL																								2265.0	166											

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* BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.

ROUND PIPE POST AND FOOTING DATA TABLE

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

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

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

D-29

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

KEVIN M. OSTERMILLER NUMBER PE-2015008160 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 97
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

ROUTE 100
SHEET 5 OF 5

EFFECTIVE: 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	TYPE	SIGN DESCRIPTION, SIZES & NUMBER OF EACH
				R1-5L (36"X36") / R3-2 (36"X36") / R3-17 (24"X18") / R3-17B (24"X8") / R4-7 (24"X30") / W4-2R (36"X36") / W11-1 (36"X36") / W11-2 (36"X36") / W16-1 (24"X30") / W16-9P AHEAD (24"X12")
1			SH	
2			SH	
3	1011+86	RTE 100 RT	SH	
4	1013+44	RTE 100 LT	SH	
5	1015+56	RTE 100 RT	SH	1
6	1020+21	RTE 100 LT	SH	1 1
7	1022+10	RTE 100 LT	SH	1 1
8	1022+14	RTE 100 LT	SH	
9	1024+68	RTE 100 RT	SH	
10	1030+86	RTE 100 LT	SH	
11	1031+38	RTE 100 RT	SH	
12	1042+46	RTE 100 LT	SH	
13	1044+11	RTE 100 RT	SH	
14			SH	
15	1052+62	RTE 100 LT	SH	
16	1052+90	RTE 100 RT	SH	
17	1066+18	RTE 100 LT	SH	
18	1067+02	RTE 100 RT	SH	
19	1071+80	RTE 100 LT	SH	
20	1072+77	RTE 100 RT	SH	
21	1079+15	RTE 100 LT	SH	
22	1079+31	RTE 100 RT	SH	
23	1095+10	RTE 100 RT	SH	
24	1095+29	RTE 100 LT	SH	
28	1107+77	RTE 100 RT	SH	
26	1107+83	RTE 100 LT	SH	
27	1117+98	RTE 100 RT	SH	
28	1119+12	RTE 100 RT	SH	
29	1132+90	RTE 100 LT	SH	
30	1133+54	RTE 100 RT	SH	
31	1142+16	RTE 100 LT	SH	
32	1142+83	RTE 100 RT	SH	
33	1145+80	RTE 100 LT	SH	1 1
34	1148+11	RTE 100 RT	SH	1 1
35	1149+44	RTE 100 RT	SH	1 1
36	1150+26	RTE 100 LT	SH	1 1
37	1151+38	RTE 100 LT	SH	
38	1151+46	RTE 100 RT	SH	
39	1152+59	RTE 100 RT	SH	1 1
40	1153+51	RTE 100 LT	SH	1
41	1153+85	RTE 100 LT	SH	1 1
42	1155+88	RTE 100 LT	SH	1
43	1157+46	RTE 100 LT	SH	
44	1157+48	RTE 100 RT	SH	
45	1158+86	RTE 100 LT	SH	1
46	1159+00	RTE 100 LT	SH	1
47	1159+66	RTE 100 RT	SH	1 1
48	1163+28	RTE 100 RT	SH	
49	1165+83	RTE 100 LT	SH	
50	1166+15	RTE 100 RT	SH	1 1
51	1165+65	RTE 100 RT	SH	1 1
52	1168+51	RTE 100 LT	SH	1 1
53	1168+65	RTE 100 RT	SH	1
54			SH	
55			SH	
56	1169+53	RTE 100 LT	SH	1
57	1171+72	RTE 100 LT	SH	1 1

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQUARE FEET: SIZE	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF * ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF * ITEM NO. 9035071A
YIELD HERE TO PEDS R1-5L		2	(36"X36")	18.0			
NO LEFT TURN R3-2		0	(36"X36")	0.0			
BIKE LANE R3-17		2	(24"X18")	6.0			
ENDS R3-17B		2	(24"X8")	2.7			
KEEP RIGHT R4-7		4	(24"X30")	20.0			
LANE REDUCTION W4-2R		1	(36"X36")	9.0			
BICYCLE WARNING W11-1		9	(36"X36")	81.0			
PEDESTRIAN CROSSING W11-2		2	(36"X36")	18.0			
SHARE THE ROAD W16-1		9	(24"X30")	45.0			
AHEAD W16-9P		2	(24"X12")	4.0			
TOTAL				203.7			

* ORANGE, YELLOW & YELLOW/GREEN

DISCLAIMER

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/27/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 98
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

ROUTE 100

SHEET 1 OF 4

EFFECTIVE: 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	TYPE	SIGN DESCRIPTION, SIZES & NUMBER OF EACH																	
			SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH					
				R1-5L (36"X36")	R3-2 (36"X36")	R3-17 (24"X18")	R3-17B ENDS (24"X8")	R4-7 (24"X30")	W4-2R (36"X36")	W11-1 (36"X36")	W11-2 (36"X36")	W16-1 SHARE THE ROAD (24"X30")	W16-9P AHEAD (24"X12")								
58	1171+44	RTE 100 LT																			
59	1172+73	RTE 100 RT									1		1								
60	1173+78	RTE 100 RT								1		1									
61	1173+98	RTE 100 RT						1													
62	1174+48	RTE 100 RT								1		1									
63	1174+55	RTE 100 LT																			
64	1174+69	RTE 100 RT	1																		
65																					
66																					
67	1176+27	RTE 100 LT	1																		
68	1175+51	RTE 100 LT						1													
69	1175+71	RTE 100 RT									1		1								
70																					
71	1179+10	RTE 100 LT									1		1								
72	1178+62	RTE 100 RT						1													
73	1178+71	RTE 100 RT	1																		
74	1179+12	RTE 100 LT						1													
75																					
76																					
77																					
78	1179+92	RTE 100 LT	1																		
79	1182+92	RTE 100 LT									1		1								
80	1184+23	RTE 100 RT									1		1								
81																					
82	1184+48	RTE 100 LT								1		1									
83	1184+82	RTE 100 LT																			
84	1185+88	RTE 100 RT						1													
85	1185+96	RTE 100 RT																			
86	1186+26	RTE 100 RT	1																		
87																					
88																					
89	1186+95	RTE 100 LT	1																		
90	1189+95	RTE 100 LT								1		1									
91	1190+46	RTE 100 LT						1													
92																					
93	1214+49	RTE 100 LT																			
94	1214+69	RTE 100 RT																			
95	1215+48	RTE 100 LT								1		1									
96	1221+31	RTE 100 LT																			
97	1224+70	RTE 100 RT								1		1									
98																					
99	1227+10	RTE 100 RT																			
100	1227+55	RTE 100 LT																			
101	1227+40	RTE 100 RT	1																		
102																					
103																					
104	1229+11	RTE 100 LT	1																		
105	1232+11	RTE 100 LT								1		1									
106	1237+34	RTE 100 RT								1		1									
107	1240+34	RTE 100 RT	1																		
108																					
109																					
110	1241+44	RTE 100 LT	1																		
111	1241+55	RTE 100 RT																			
112	1241+91	RTE 100 LT																			
113	1243+84	RTE 100 LT								1		1									
114	1247+71	RTE 100 RT								1		1									

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQUARE FEET				
			SIZE	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF * ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF * ITEM NO. 9035071A
YIELD HERE TO PEDS R1-5L		10	(36"X36")	90.0			
NO LEFT TURN R3-2		0	(36"X36")	0.0			
BIKE LANE R3-17		0	(24"X18")	0.0			
ENDS R3-17B		0	(24"X8")	0.0			
KEEP RIGHT R4-7		6	(24"X30")	30.0			
LANE REDUCTION W4-2R		0	(36"X36")	0.0			
BICYCLE WARNING W11-1		3	(36"X36")	27.0			
PEDESTRIAN CROSSING W11-2		12	(36"X36")	108.0			
SHARE THE ROAD W16-1		3	(24"X30")	15.0			
AHEAD W16-9P		12	(24"X12")	24.0			
			TOTAL	294.0			

* ORANGE, YELLOW & YELLOW/GREEN

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/27/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 99
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TWM
ENGINEERING
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ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

ROUTE 100
SHEET 2 OF 4

EFFECTIVE: 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	TYPE	SIGN DESCRIPTION, SIZES & NUMBER OF EACH
			SH	R1-5L (36"X36")
			SH	R3-2 (36"X36")
			SH	R3-17 (24"X18")
			SH	R3-17B (24"X8")
			SH	R4-7 (24"X30")
			SH	W4-2R (36"X36")
			SH	W11-1 (36"X36")
			SH	W11-2 (36"X36")
			SH	W16-1 (24"X30")
			SH	W16-9P (24"X12")
115	1250+26	RTE 100 RT		
116	1250+60	RTE 100 LT		
117	1250+71	RTE 100 RT	1	
118				
119				
120	1251+81	RTE 100 LT	1	
121	1254+81	RTE 100 LT		1 1
122	1258+04	RTE 100 RT		1 1
123	1259+59	RTE 100 RT		
124	1260+60	RTE 100 LT		
125	1261+30	RTE 100 RT	1	
126				
127				
128	1262+37	RTE 100 LT	1	
129	1265+37	RTE 100 LT		1 1
130	1266+11	RTE 100 RT		1 1
131	1269+11	RTE 100 RT	1	
132				
133				
134	1270+21	RTE 100 LT	1	
135	1273+21	RTE 100 LT		1 1
136	1275+07	RTE 100 LT		
137	1278+46	RTE 100 RT		
138	1281+95	RTE 100 RT		1 1
139				
140	1284+95	RTE 100 RT	1	
141				
142				
143	1286+06	RTE 100 LT	1	
144	1286+38	RTE 100 RT		
145	1287+27	RTE 100 LT		
146	1286+73	RTE 100 RT		1 1
147	1289+21	RTE 100 LT		1 1
148	1290+00	RTE 100 RT	1	
149				
150				
151	1291+50	RTE 100 LT	1	
152	1291+67	RTE 100 RT		1 1
153	1293+87	RTE 100 RT		
154	1294+50	RTE 100 LT		1 1
155	1294+67	RTE 100 RT	1	
156				
157				
158	1296+01	RTE 100 LT	1	
159	1296+18	RTE 100 LT		
160	1299+01	RTE 100 LT		1 1
161	1298+49	RTE 100 RT		1 1
162	1301+49	RTE 100 RT	1	
163				
164				
165	1302+49	RTE 100 LT	1	
166	1303+20	RTE 100 RT		
167	1303+30	RTE 100 LT		
168	1305+49	RTE 100 LT		1 1
169	1306+67	RTE 100 RT		1 1
170	1309+11	RTE 100 RT		1 1
171	1310+90	RTE 100 RT		

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQUARE FEET: SIZE	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF * ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF * ITEM NO. 9035071A
YIELD HERE TO PEDS R1-5L		14	(36"X36")	126.0			
NO LEFT TURN R3-2		0	(36"X36")	0.0			
BIKE LANE R3-17		0	(24"X18")	0.0			
ENDS R3-17B		0	(24"X8")	0.0			
KEEP RIGHT R4-7		0	(24"X30")	0.0			
LANE REDUCTION W4-2R		0	(36"X36")	0.0			
BICYCLE WARNING W11-1		1	(36"X36")	9.0			
PEDESTRIAN CROSSING W11-2		14	(36"X36")	126.0			
SHARE THE ROAD W16-1		1	(24"X30")	5.0			
AHEAD W16-9P		14	(24"X12")	28.0			
TOTAL				294.0			

* ORANGE, YELLOW & YELLOW/GREEN

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/27/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 100
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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

MoDOT

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

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

ROUTE 100

SHEET 3 OF 4

EFFECTIVE: 10-01-2016

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	TYPE	SIGN DESCRIPTION, SIZES & NUMBER OF EACH
				R1-5L (36"X36") / R3-2 (36"X36") / R3-17 (24"X18") / R3-17B ENDS (24"X8") / R4-7 (24"X30") / W4-2R (36"X36") / W11-1 (36"X36") / W11-2 (36"X36") / W16-1 SHARE THE ROAD (24"X30") / W16-9P AHEAD (24"X12")
172	1312+28	RTE 100 RT	SH	1
173				
174				
175	1313+78	RTE 100 LT	SH	1
176	1314+47	RTE 100 LT		
177	1316+83	RTE 100 LT		1 1
178	1319+91	RTE 100 RT		
179	1319+92	RTE 100 LT		
180	1327+59	RTE 100 RT		1 1
181	1328+06	RTE 100 RT		1
182	1328+14	RTE 100 RT		1
183	1328+22	RTE 100 RT		1
184	1329+20	RTE 100 RT		
185	1330+59	RTE 100 RT	SH	1
186				
187				
188	1331+67	RTE 100 LT		
189	1331+94	RTE 100 LT	SH	1
190	1332+05	RTE 100 RT		1 1
191	1334+94	RTE 100 LT		1 1
192	1335+05	RTE 100 RT	SH	1
193				
194				
195	1336+15	RTE 100 LT	SH	1
196	1337+19	RTE 100 RT		1 1
197	1339+15	RTE 100 LT		1 1
198	1340+19	RTE 100 RT	SH	1
199				
200				
201	1341+25	RTE 100 LT	SH	1
202	1342+35	RTE 100 RT		
203	1343+25	RTE 100 LT		
204	1345+90	RTE 100 RT		1 1
205	1344+09	RTE 100 LT		1 1
206	1346+84	RTE 100 RT	SH	1
207				
208				
209	1348+27	RTE 100 LT	SH	1
210	1349+06	RTE 100 LT		
211	1350+77	RTE 100 LT		1 1

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQUARE FEET: SIZE	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF * ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF * ITEM NO. 9035071A
YIELD HERE TO PEDS R1-5L		10	(36"X36")	90.0			
NO LEFT TURN R3-2		2	(36"X36")	18.0			
BIKE LANE R3-17		0	(24"X18")	0.0			
ENDS R3-17B		0	(24"X8")	0.0			
KEEP RIGHT R4-7		1	(24"X30")	5.0			
LANE REDUCTION W4-2R		0	(36"X36")	0.0			
BICYCLE WARNING W11-1		0	(36"X36")	0.0			
PEDESTRIAN CROSSING W11-2		9	(36"X36")	81.0			
SHARE THE ROAD W16-1		0	(24"X30")	0.0			
AHEAD W16-9P		9	(24"X12")	18.0			
			TOTAL	212.0			

* ORANGE, YELLOW & YELLOW/GREEN

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/27/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 101
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DESCRIPTION | DATE

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

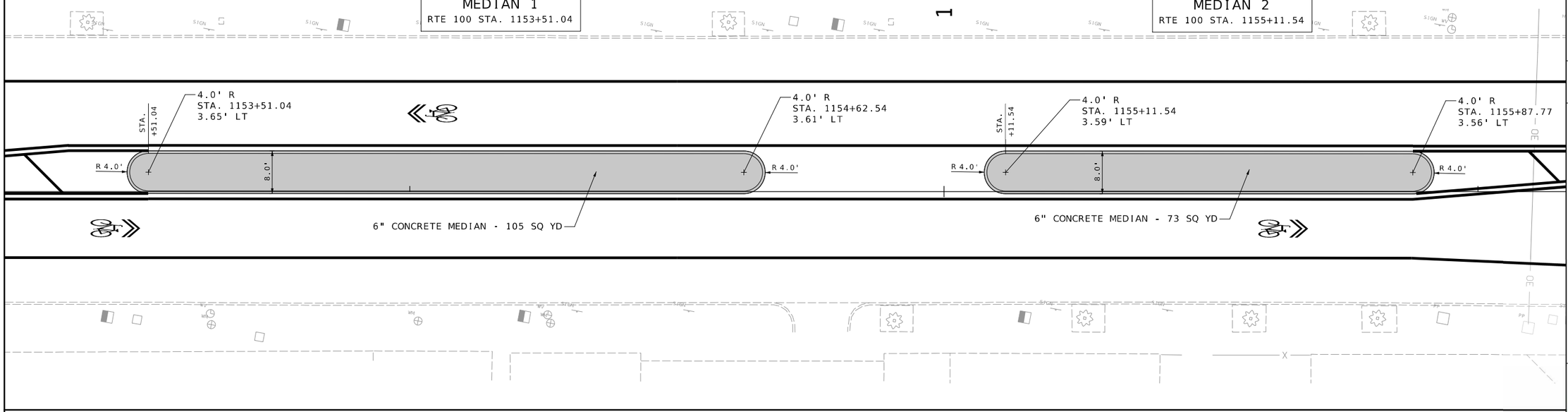
TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

ROUTE 100

SHEET 4 OF 4

MEDIAN 1
RTE 100 STA. 1153+51.04

MEDIAN 2
RTE 100 STA. 1155+11.54



NOTES:

1.ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/ SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE
0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO

DISTRICT	SHEET NO.
SL	102

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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)

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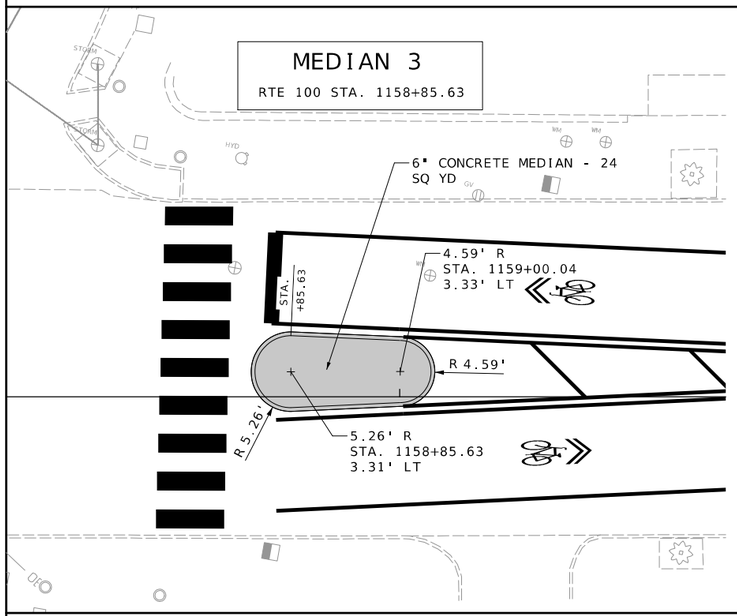
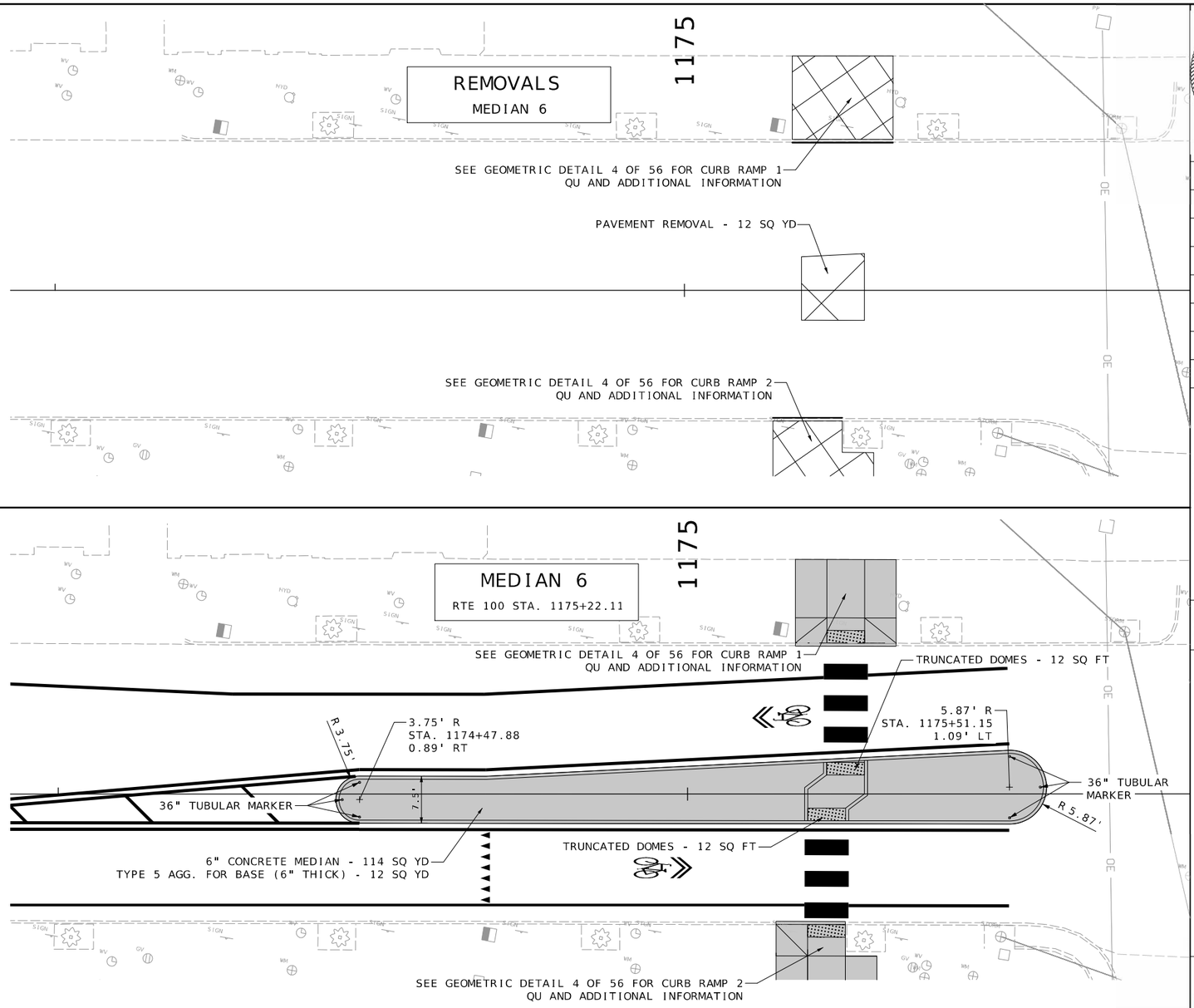
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

GEOMETRIC DETAILS
ROUTE 100
SHEET 1 OF 56





NOTES:

1.ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/ SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	103

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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)

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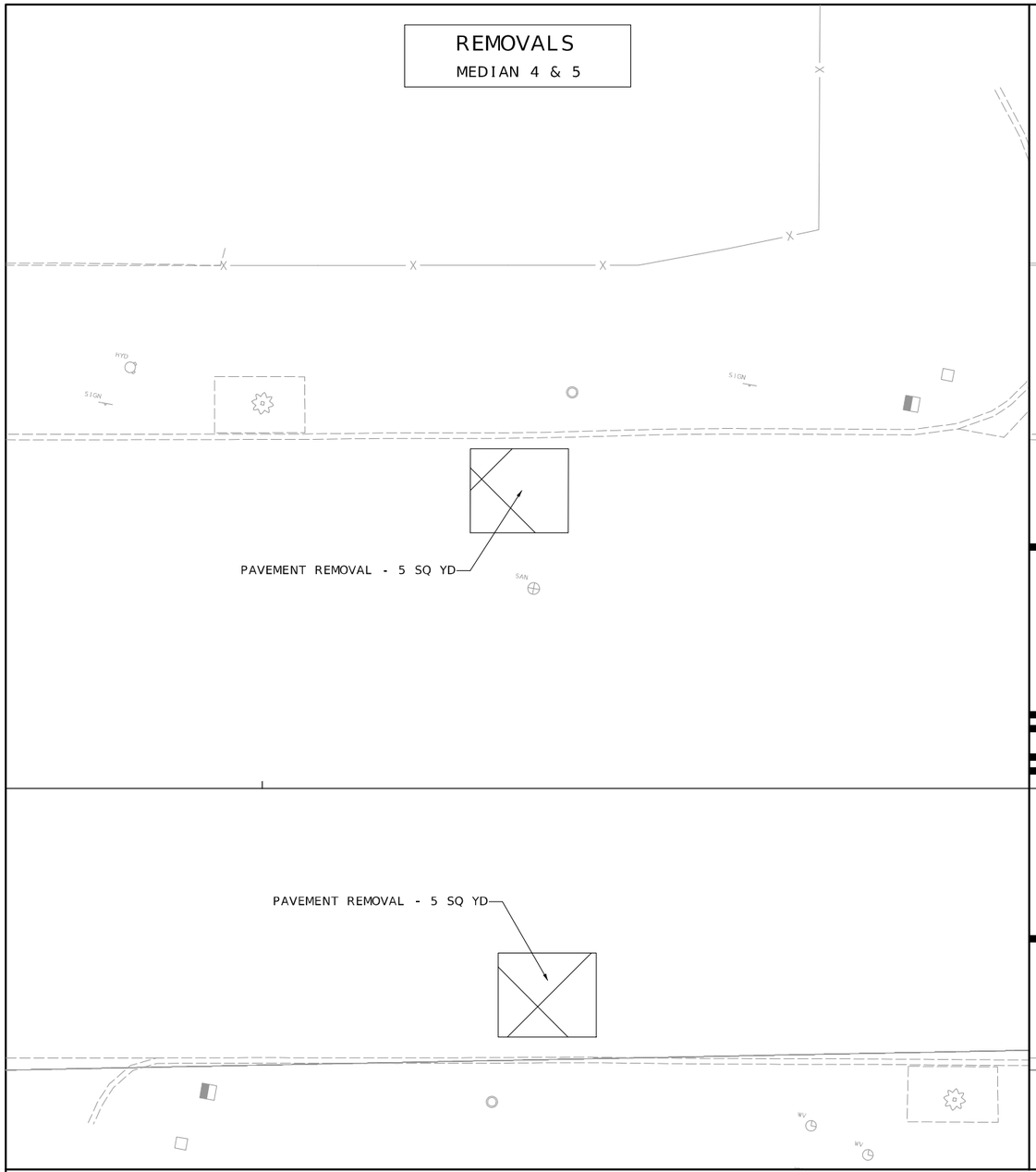
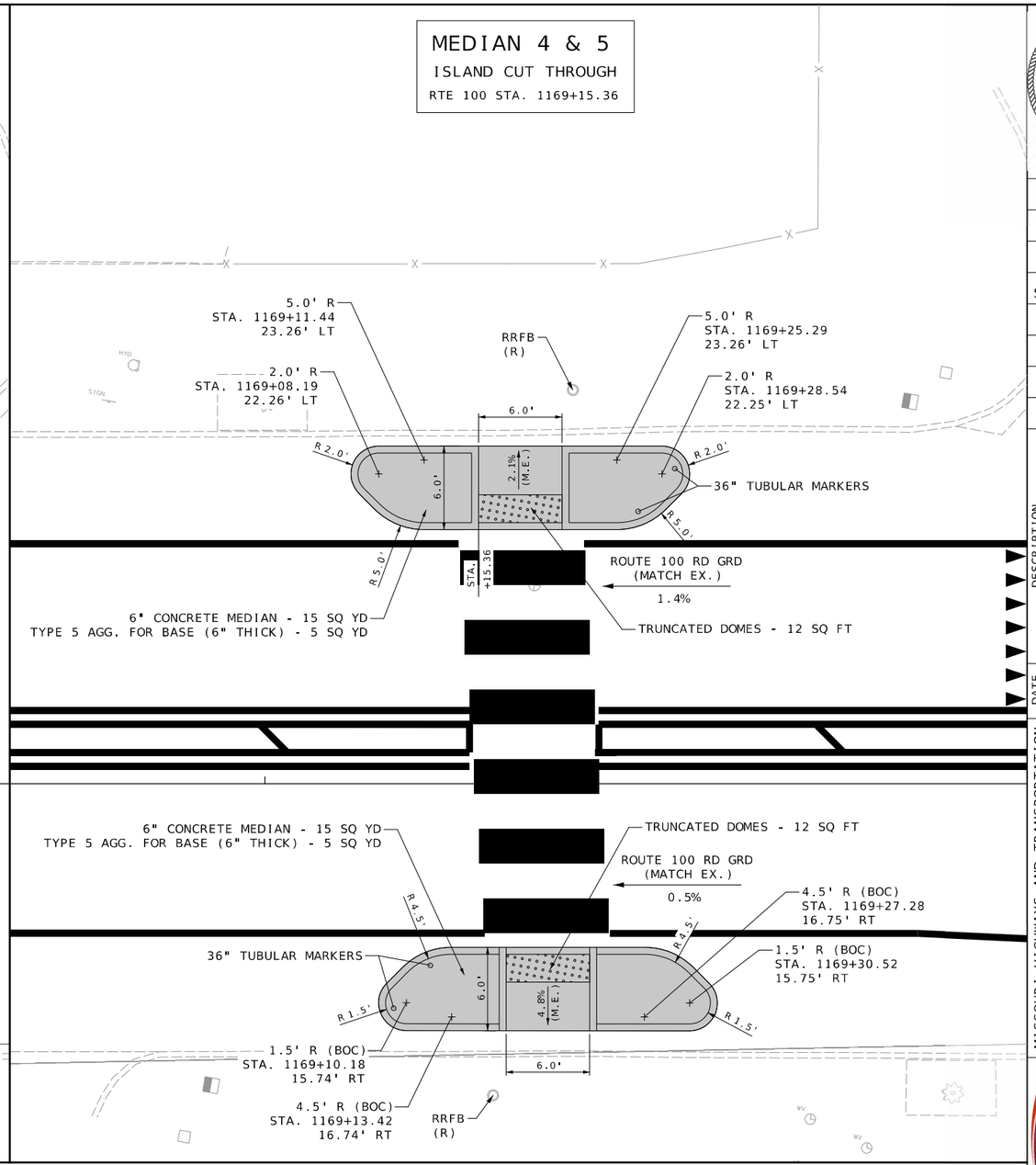
MISSOURI CERT. OF AUTHORITY: 001538

GEOMETRIC DETAILS
ROUTE 100
SHEET 2 OF 56

REMOVALS
MEDIAN 4 & 5



MEDIAN 4 & 5
ISLAND CUT THROUGH
RTE 100 STA. 1169+15.36



NOTES:

1. ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- RAMP DIRECTION

SCALE
0 5 10 15

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	104

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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

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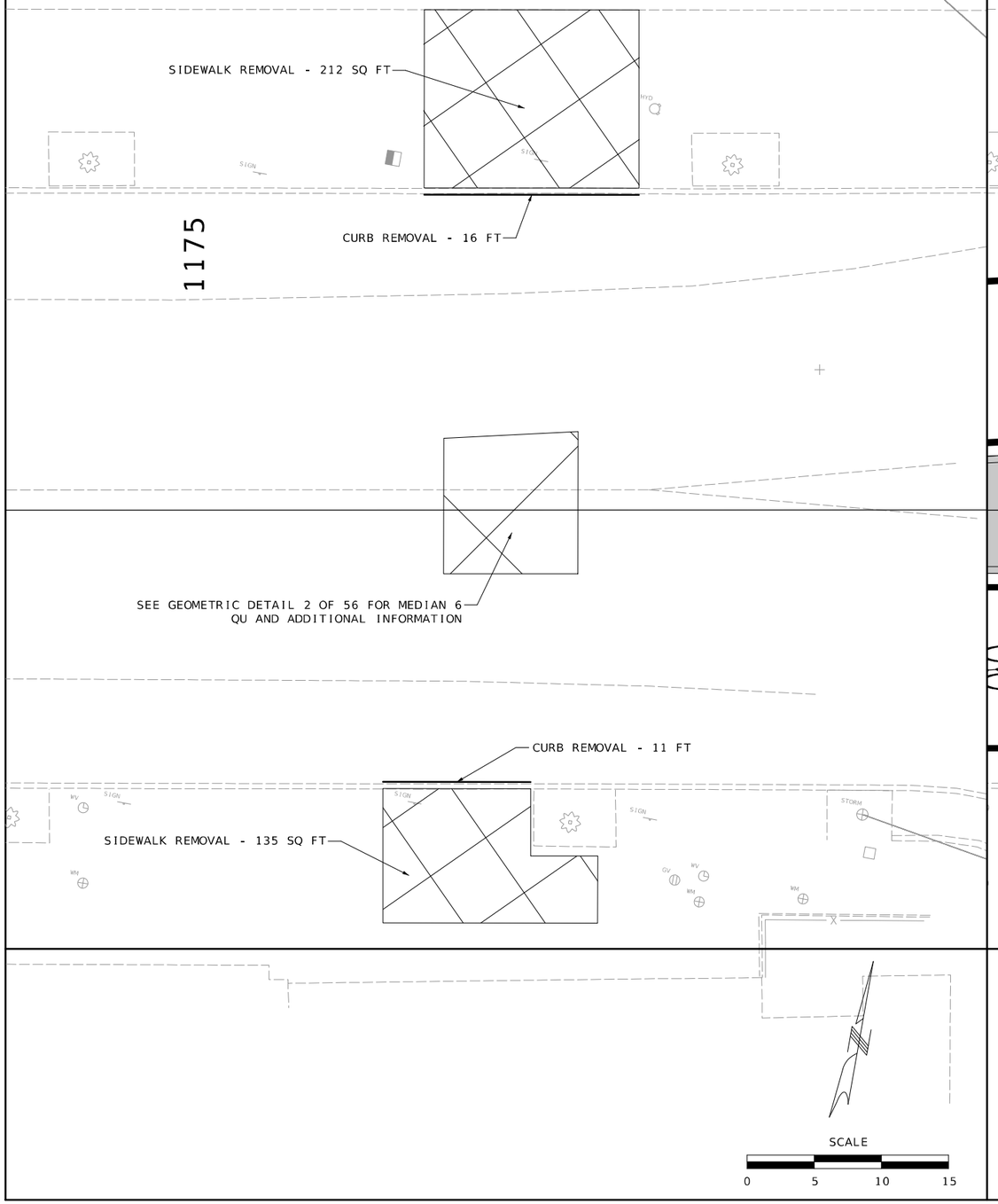
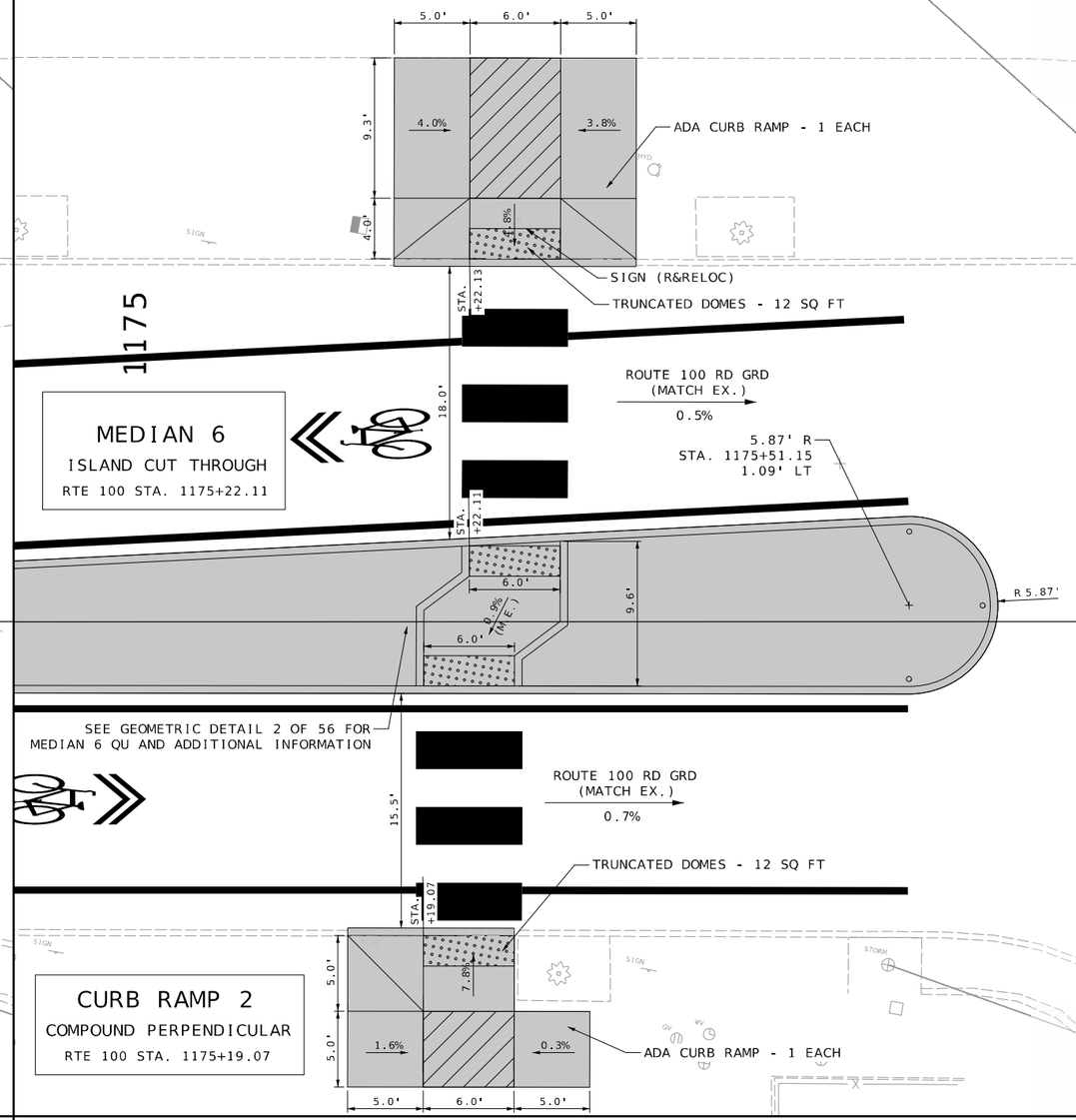
GEOMETRIC DETAILS
ROUTE 100
SHEET 3 OF 56

REMOVALS
MEDIAN 6
CURB RAMP 1 & 2



CURB RAMP 1
COMPOUND PERPENDICULAR
RTE 100 STA. 1175+22.13



MEDIAN 6
ISLAND CUT THROUGH
RTE 100 STA. 1175+22.11

CURB RAMP 2
COMPOUND PERPENDICULAR
RTE 100 STA. 1175+19.07

SCALE
0 5 10 15

NOTES:
1. ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- RAMP DIRECTION

SCALE
0 5 10 15

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 105
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS
ROUTE 100
SHEET 4 OF 56

REMOVALS
MEDIAN 7 & 8

PAVEMENT REMOVAL - 5 SQ YD

3.7' R
STA. 1178+61.74
1.30' RT

5.25' R
STA. 1179+11.74
0.10' LT

R 5.25'

R 3.7'

6" CONCRETE MEDIAN - 57 SQ YD

6" CONCRETE MEDIAN - 41 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 5 SQ YD

14.0'

ROUTE 100 RD GRD
(MATCH EX.)
1.3%

5.0' R
STA. 1179+30.54
24.21' RT

2.0' R
STA. 1179+33.78
23.22' RT

TRUNCATED DOMES - 12 SQ FT

STA. 1179+20.62

R 5.0'

36" TUBULAR MARKERS

R 2.0'

5.0'

3.1%
(M.E.)

6.0'

2.0' R
STA. 1178+73.61
23.03' RT

5.0' R
STA. 1178+76.85
24.04' RT

RRFB (R)

MEDIAN 7 & 8
ISLAND CUT THROUGH
RTE 100 STA. 1179+20.62

SCALE
0 5 10 15

LEGEND
- DETECTABLE WARNING SURFACE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- RAMP DIRECTION

NOTES:
1. ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

SCALE
0 5 10 15

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 106
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

TWM ENGINEERING GEOSPATIAL SERVICES
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GEOMETRIC DETAILS
ROUTE 100
SHEET 5 OF 56

REMOVALS
MEDIAN 11

SEE GEOMETRIC DETAIL 8 OF 56 FOR MEDIAN 12
QU AND ADDITIONAL INFORMATION

PAVEMENT REMOVAL - 83 SQ YD

SEE GEOMETRIC DETAIL 8 OF 56 FOR CURB RAMP 3
QU AND ADDITIONAL INFORMATION

MATCHLINE STA. 1188+50.00

NOTES:

1. ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE
0 10 20 30

REMOVALS
MEDIAN 11

1190

MEDIAN REMOVAL - 623 SQ FT

SIGN (R)

WM (ATG BY OTHERS)

MATCHLINE STA. 1188+50.00

KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI ★ PROFESSIONAL ENGINEER ★

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	107

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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)

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GEOMETRIC DETAILS
ROUTE 100
SHEET 6 OF 56

MEDIAN 11

RTE 100 STA. 1186+64.09

SEE GEOMETRIC DETAIL 8 OF 56 FOR MEDIAN 12 QU AND ADDITIONAL INFORMATION

TRUNCATED DOMES - 12 SQ FT

R 200.0'

20.1'

36" TUBULAR MARKER

R 2.0'

36" TUBULAR MARKER

2.0' R
STA. 1185+88.06
3.65' RT

200.0' R
STA. 1186+62.02
188.76' RT

23.9'

17.01'

TRUNCATED DOMES - 12 SQ FT

6" CONCRETE MEDIAN - 464 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 83 SQ YD

SEE GEOMETRIC DETAIL 8 OF 56 FOR CURB RAMP 3
QU AND ADDITIONAL INFORMATION

200.0' R
STA. 1187+43.90
194.12' LT

R 200.0'

R 200.0'

200.0' R
STA. 1188+44.47
193.03' RT

MATCHLINE STA. 1188+50.00

MEDIAN 11

RTE 100 STA. 1186+38.53

1190

MATCHLINE STA. 1188+50.00

SEE ABOVE FOR QU

FULL DEPTH PAVEMENT REPAIRS - 69.2 SQ YD

36" TUBULAR MARKER

SIGN (R)
WM (ATG BY OTHERS)

4"

R 2.0'

2.0' R
STA. 1190+43.20
9.20' LT

36" TUBULAR MARKER

NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	108

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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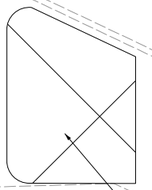
GEOMETRIC DETAILS

ROUTE 100

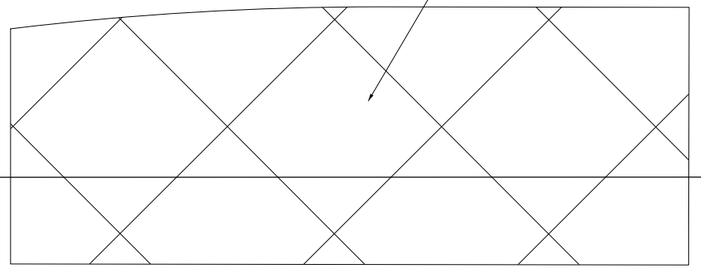
SHEET 7 OF 56

REMOVALS

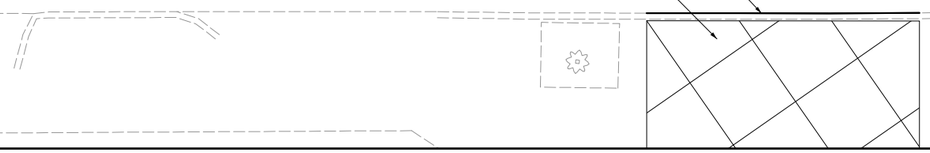
MEDIAN 11 & 12
CURB RAMP 3



PAVEMENT REMOVAL - 10 SQ YD



SEE GEOMETRIC DETAIL 6 OF 56 FOR MEDIAN 11
QU AND ADDITIONAL INFORMATION



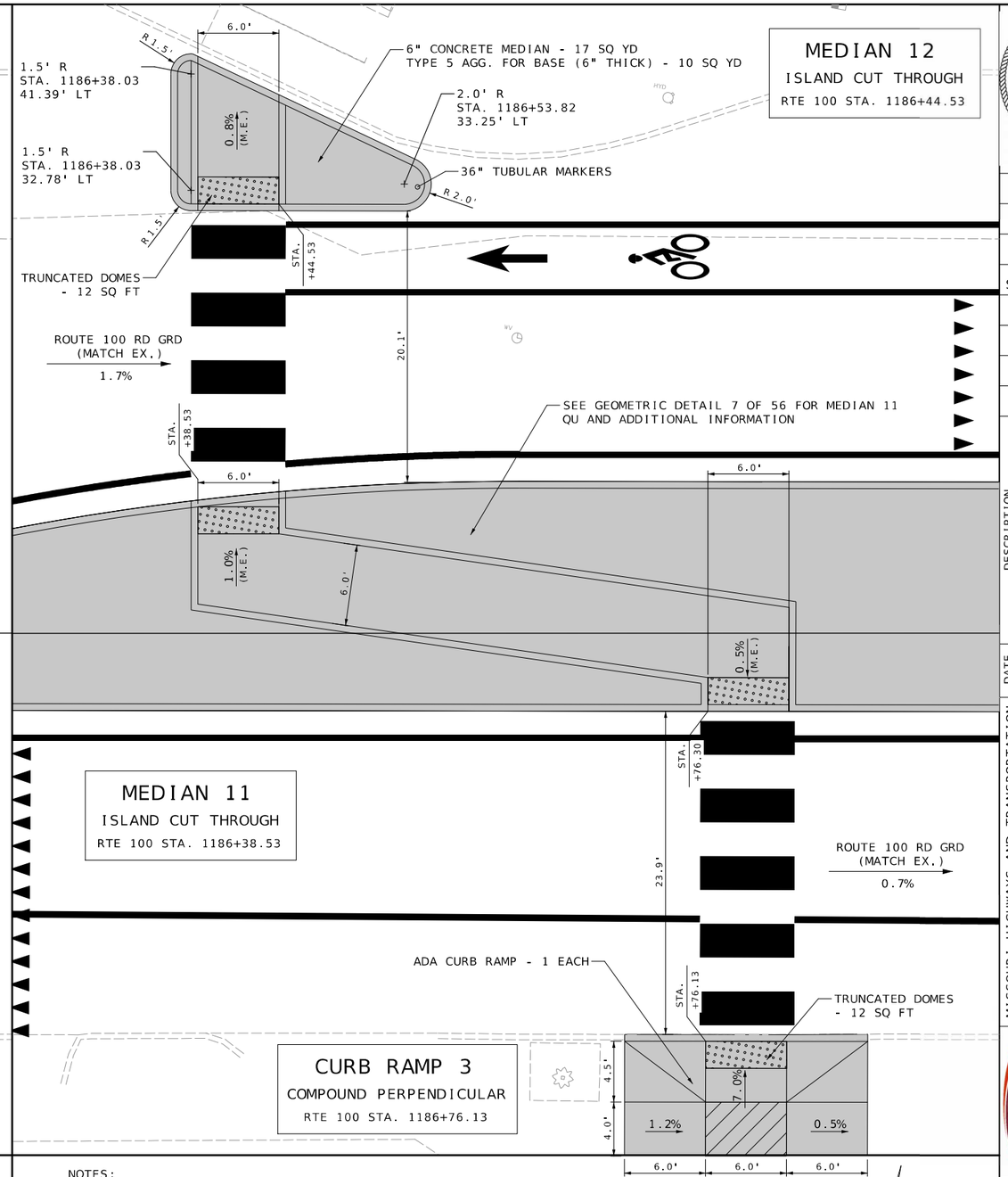
CURB REMOVAL - 18 FT

SIDEWALK REMOVAL - 153 SQ FT

SCALE
0 5 10 15

MEDIAN 12

ISLAND CUT THROUGH
RTE 100 STA. 1186+44.53



NOTES:
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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- RAMP DIRECTION

SCALE
0 5 10 15

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	109

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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
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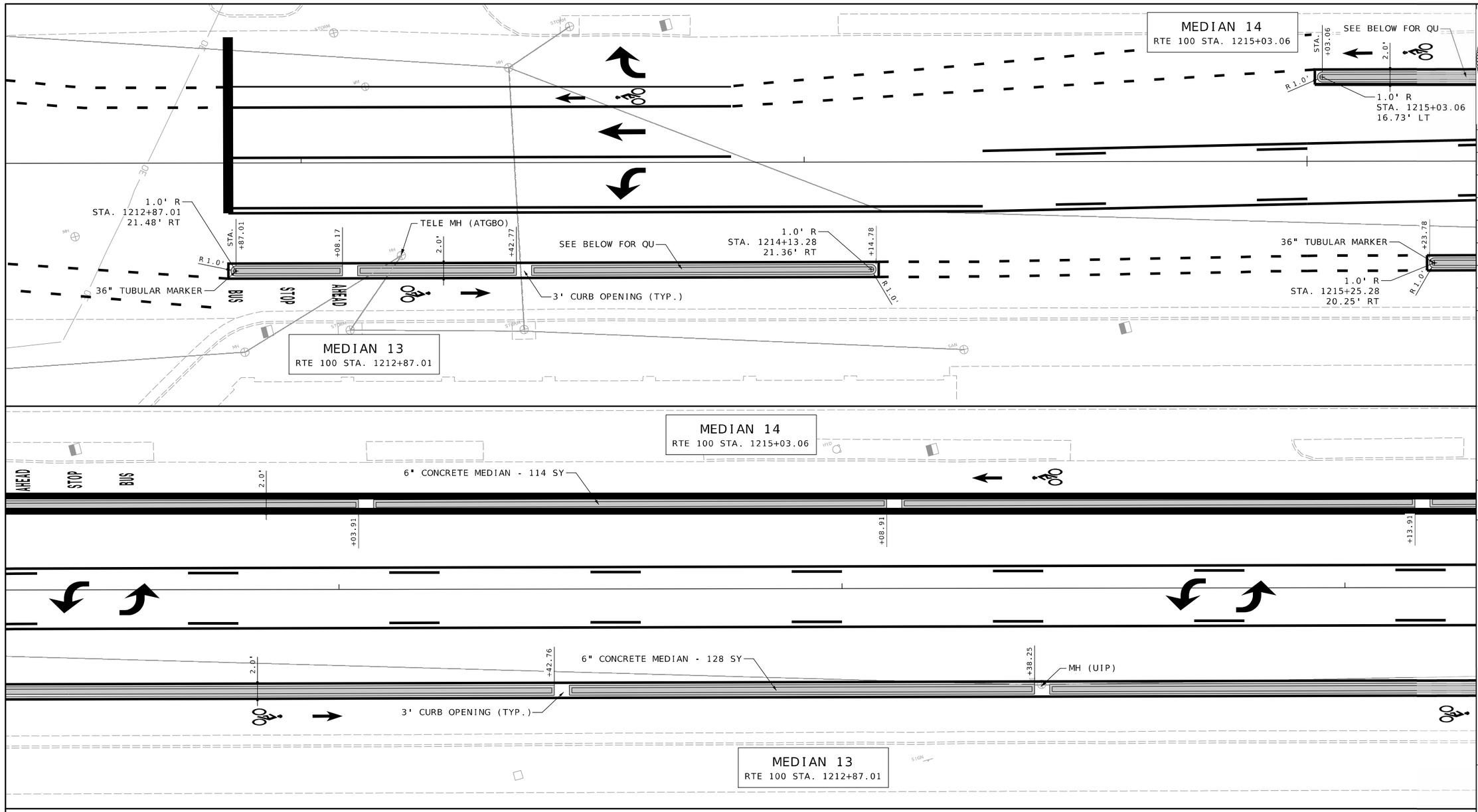
GEOMETRIC DETAILS
ROUTE 100
SHEET 8 OF 56



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2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	110

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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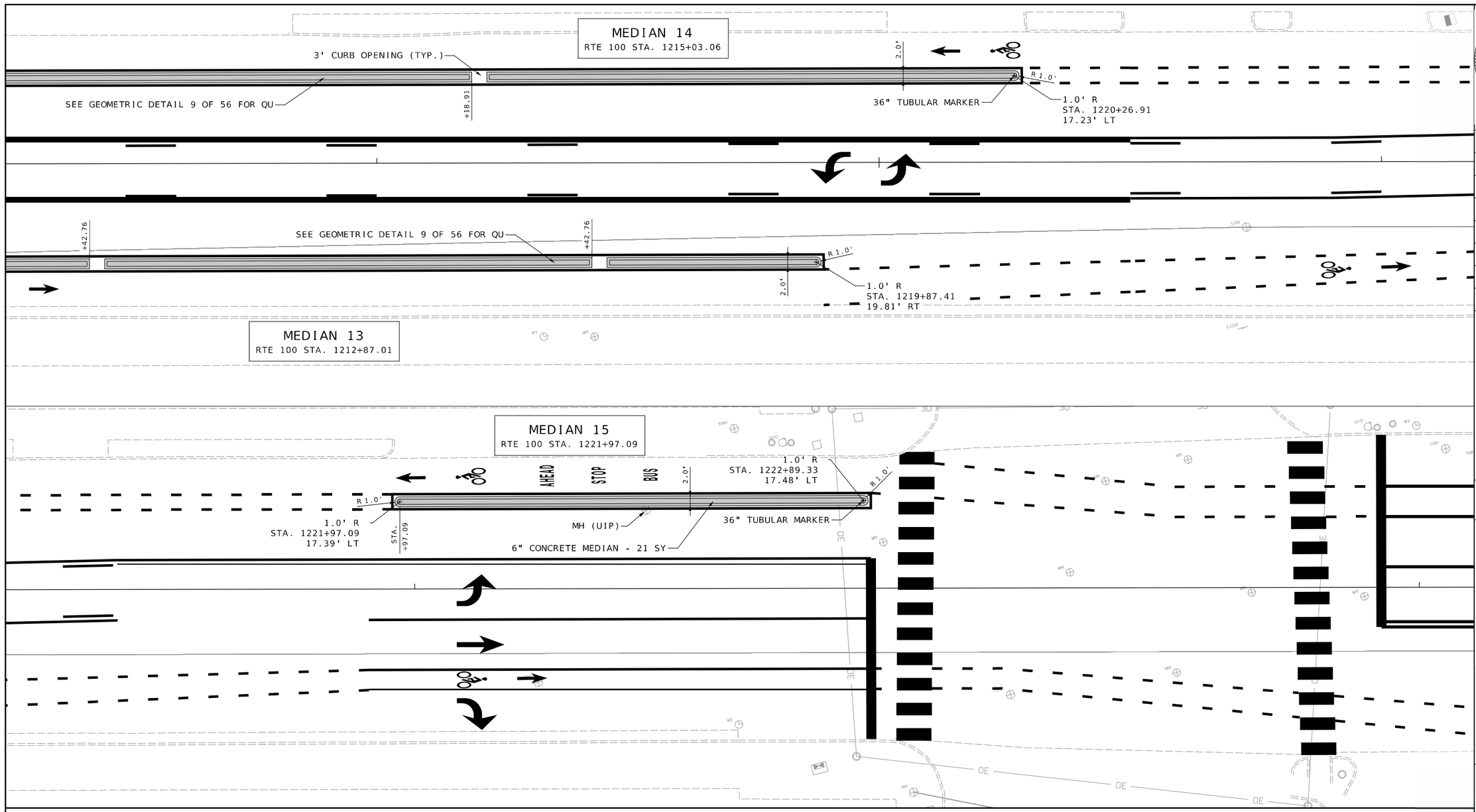
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS

ROUTE 100

SHEET 9 OF 56



NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO

DISTRICT	SHEET NO.
SL	111

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TWM
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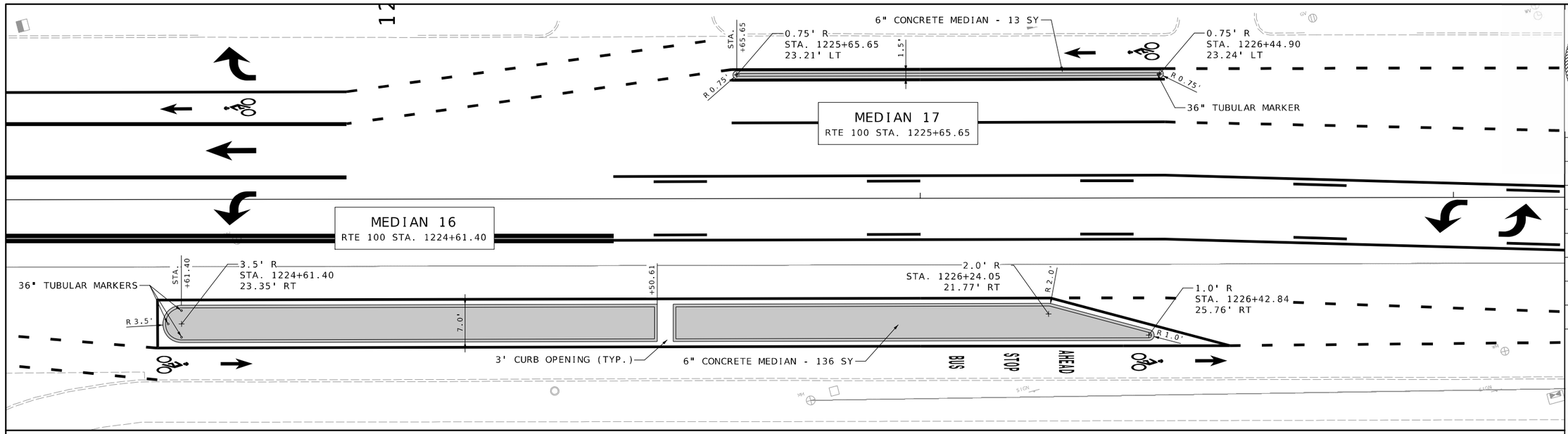
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS

ROUTE 100

SHEET 10 OF 56



NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	112

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION	DATE

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

TWM
ENGINEERING
GEOSPATIAL SERVICES
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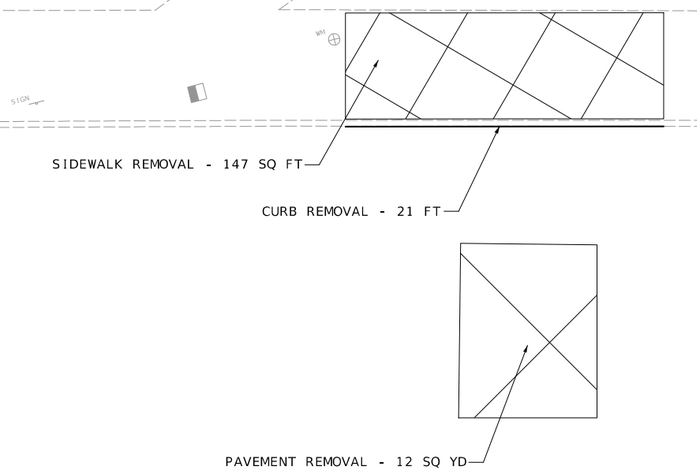
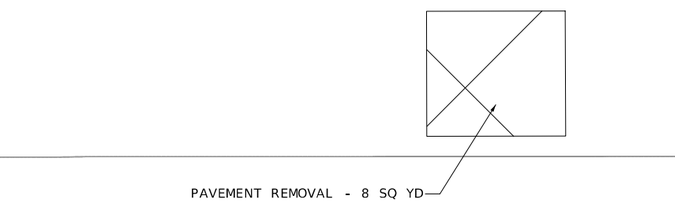
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

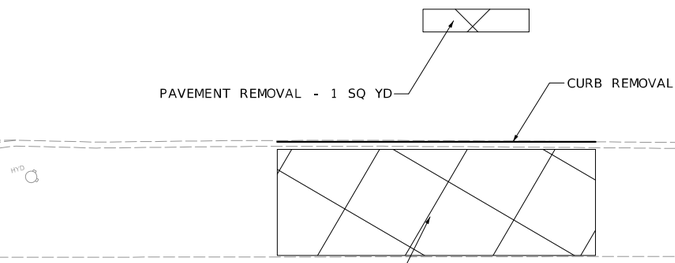
GEOMETRIC DETAILS
ROUTE 100
SHEET 11 OF 56

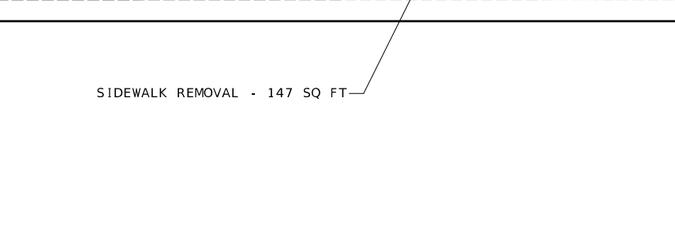
REMOVALS

MEDIAN 18, 19 & 20
CURB RAMP 4 & 5



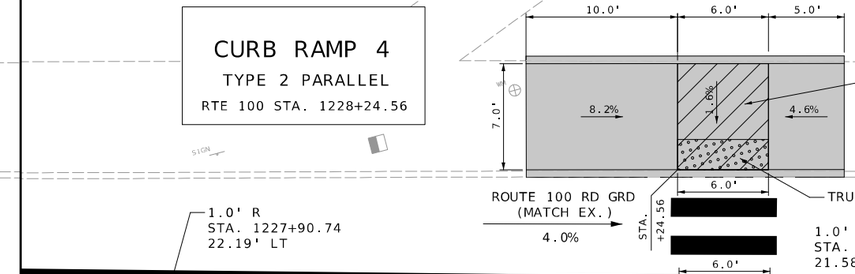






CURB RAMP 4

TYPE 2 PARALLEL
RTE 100 STA. 1228+24.56

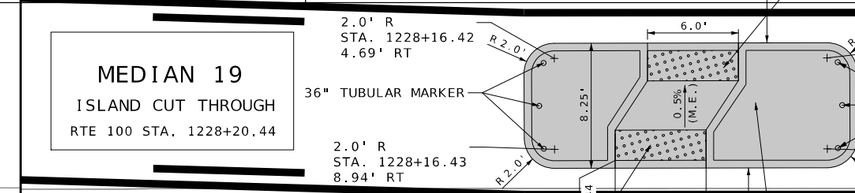


MEDIAN 18

ISLAND CUT THROUGH
RTE 100 STA. 1228+22.54

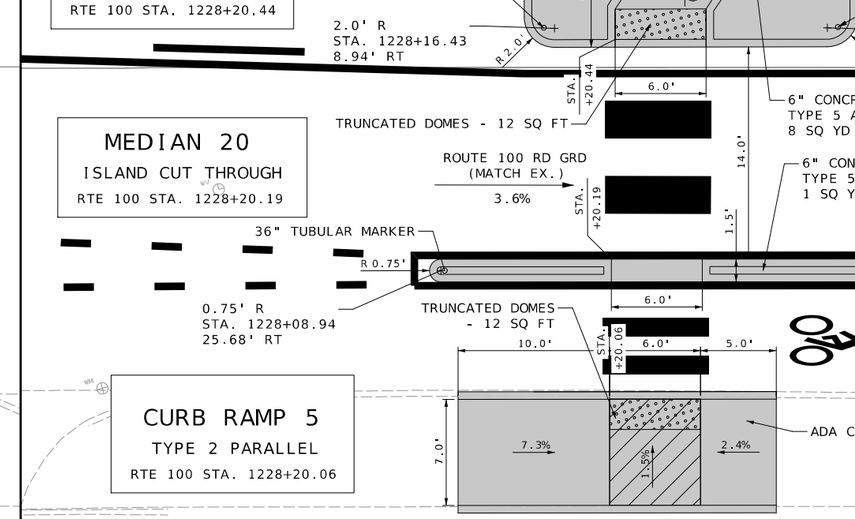
MEDIAN 19

ISLAND CUT THROUGH
RTE 100 STA. 1228+20.44



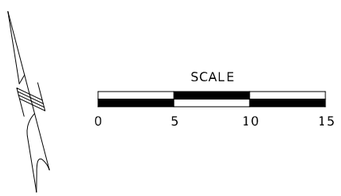
MEDIAN 20

ISLAND CUT THROUGH
RTE 100 STA. 1228+20.19



CURB RAMP 5

TYPE 2 PARALLEL
RTE 100 STA. 1228+20.06



SCALE
0 5 10 15

NOTES:

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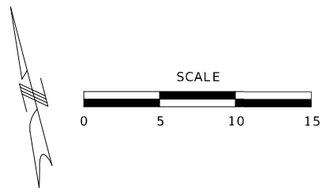
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- RAMP DIRECTION



SCALE
0 5 10 15

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	113

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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)

TWM
ENGINEERING
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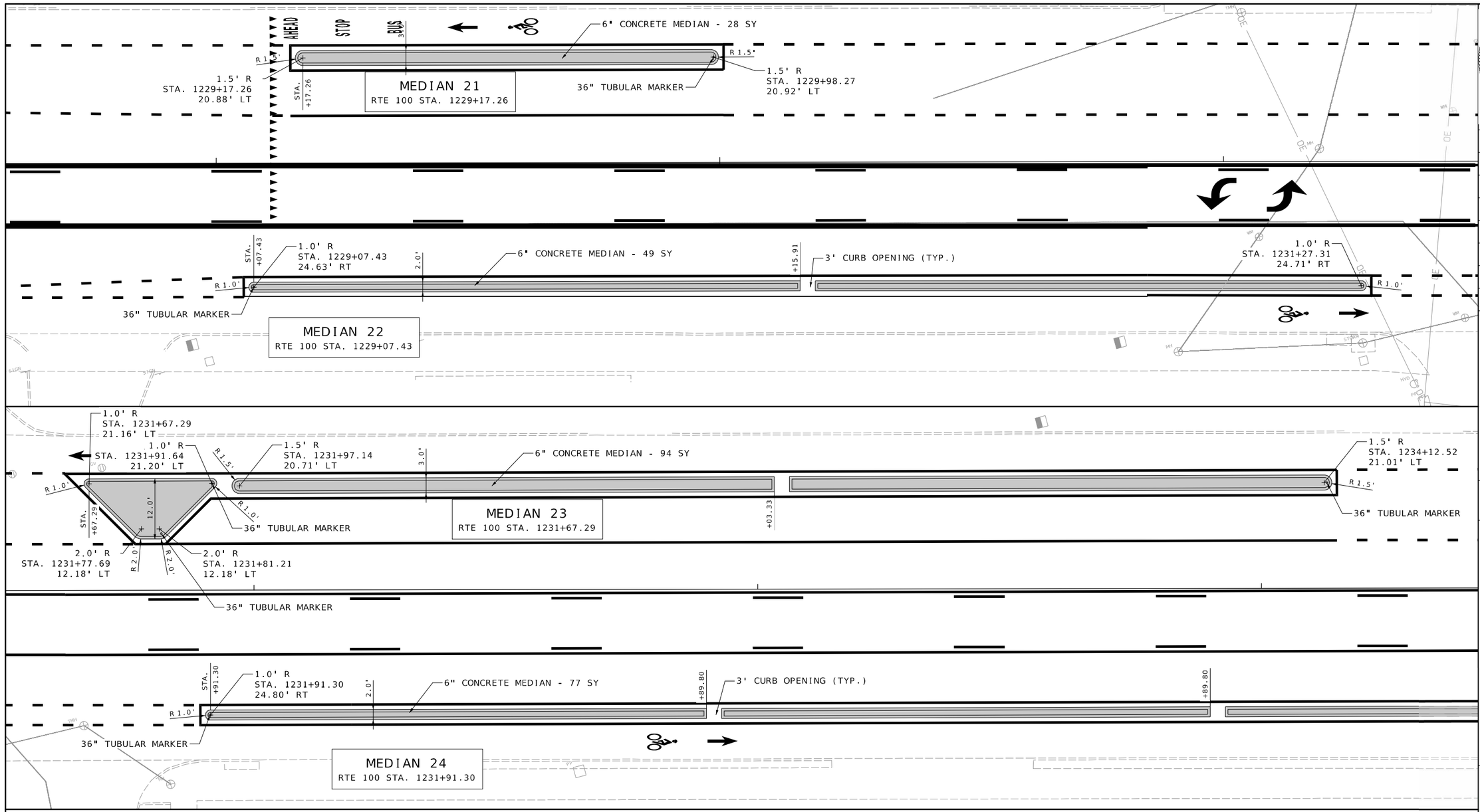
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS
ROUTE 100
SHEET 12 OF 56



NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	114

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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

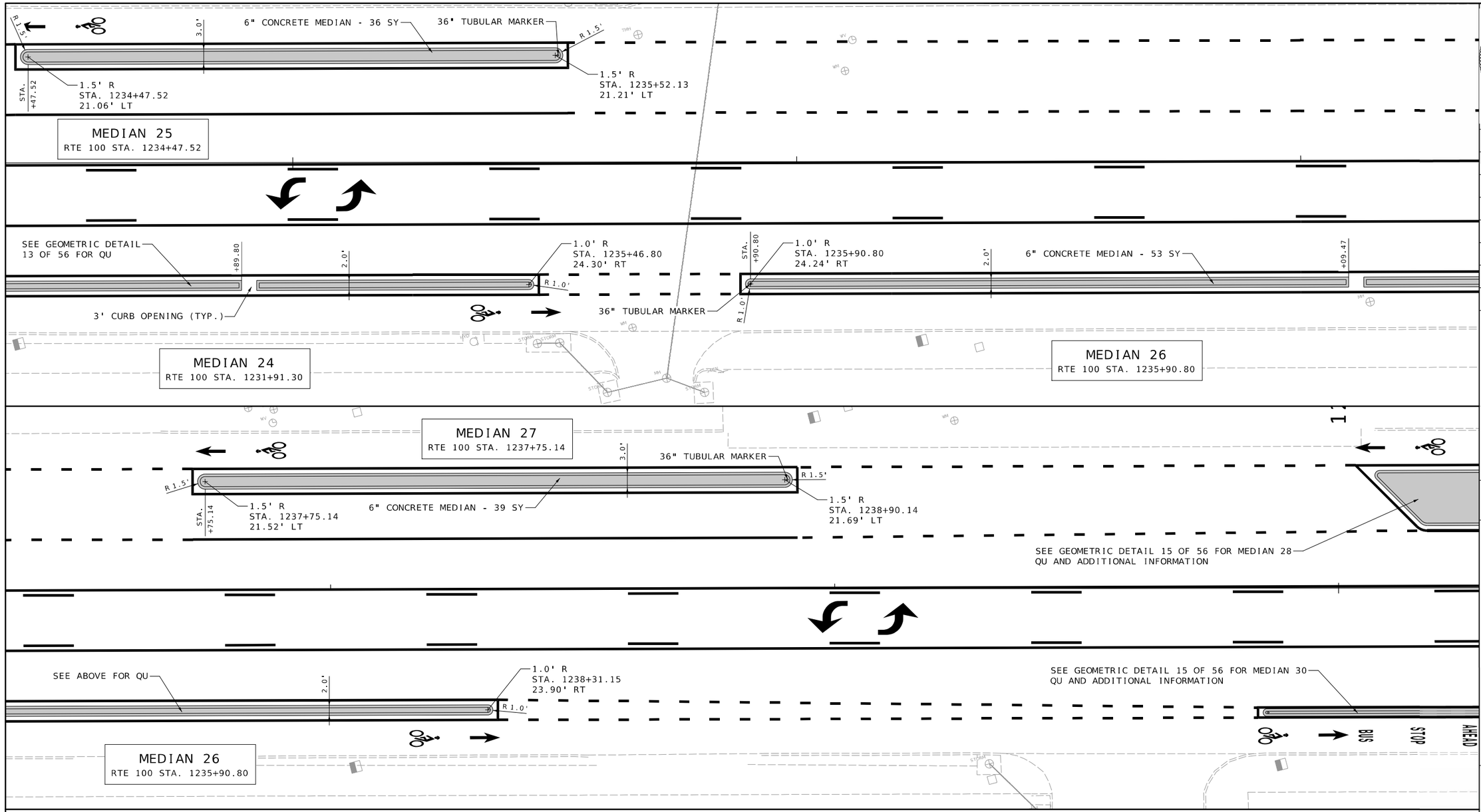
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS

ROUTE 100

SHEET 13 OF 56



NOTES:

1. ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/ SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	115

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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)

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www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS
ROUTE 100
SHEET 14 OF 56

REMOVALS
MEDIAN 28, 29, & 30

SCALE
0 10 20 30

NOTES:
1. ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/SIDEWALKS/ MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/ CONCRETE MEDIAN.
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND
CURB RAMP/SIDEWALK/ MEDIAN

1240

SEE GEOMETRIC DETAIL 16 OF 56 FOR CURB RAMP 6 QU AND ADDITIONAL INFORMATION

PAVEMENT REMOVAL - 11 SQ YD

SEE GEOMETRIC DETAIL 16 OF 56 FOR MEDIAN 29 QU AND ADDITIONAL INFORMATION

PAVEMENT REMOVAL - 1 SQ YD

SEE GEOMETRIC DETAIL 16 OF 56 FOR CURB RAMP 7 QU AND ADDITIONAL INFORMATION

SEE GEOMETRIC DETAIL 16 OF 56 FOR CURB RAMP 6 QU AND ADDITIONAL INFORMATION

1240

6" CONCRETE MEDIAN - 154 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 11 SQ YD

1.0' R
STA. 1240+08.22
22.35' LT

R 1.0'

2.0' R
STA. 1240+17.62
14.37' LT

R 2.0'

TRUNCATED DOMES - 12 SQ FT

11.0'

6.0'

TRUNCATED DOMES - 12 SQ FT

1.0' R
STA. 1241+41.49
23.46' LT

36" TUBULAR MARKER

R 1.0'

2.0' R
STA. 1241+32.28
15.66' LT

R 2.0'

36" TUBULAR MARKER

MEDIAN 28
RTE 100 STA. 1240+86.57

MEDIAN 29
RTE 100 STA. 1240+84.20

SEE GEOMETRIC DETAIL 16 OF 56 FOR MEDIAN 29 QU AND ADDITIONAL INFORMATION

0.75' R
STA. 1239+85.72
24.68' RT

R 0.75'

36" TUBULAR MARKER

6" CONCRETE MEDIAN - 18 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 1 SQ YD

MEDIAN 30
RTE 100 STA. 1240+83.97

BUS STOP AHEAD

1.5'

6.0'

R 0.75'

0.75' R
STA. 1240+94.22
24.53' RT

SEE GEOMETRIC DETAIL 16 OF 56 FOR CURB RAMP 7 QU AND ADDITIONAL INFORMATION

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO

DISTRICT	SHEET NO.
SL	116

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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)

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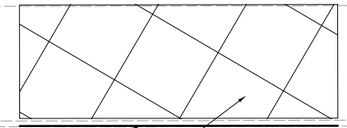
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

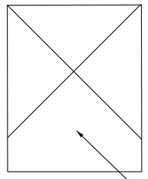
GEOMETRIC DETAILS
ROUTE 100
SHEET 15 OF 56

REMOVALS
MEDIAN 28, 29 & 30
CURB RAMP 6 & 7

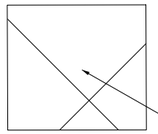


CURB REMOVAL - 21 FT

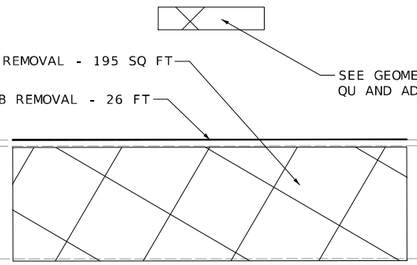
SIDEWALK REMOVAL - 158 SQ FT



SEE GEOMETRIC DETAIL 15 OF 56 FOR MEDIAN 28 QU AND ADDITIONAL INFORMATION



PAVEMENT REMOVAL - 8 SQ YD

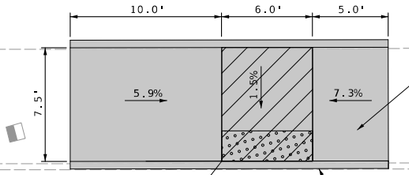


SIDEWALK REMOVAL - 195 SQ FT

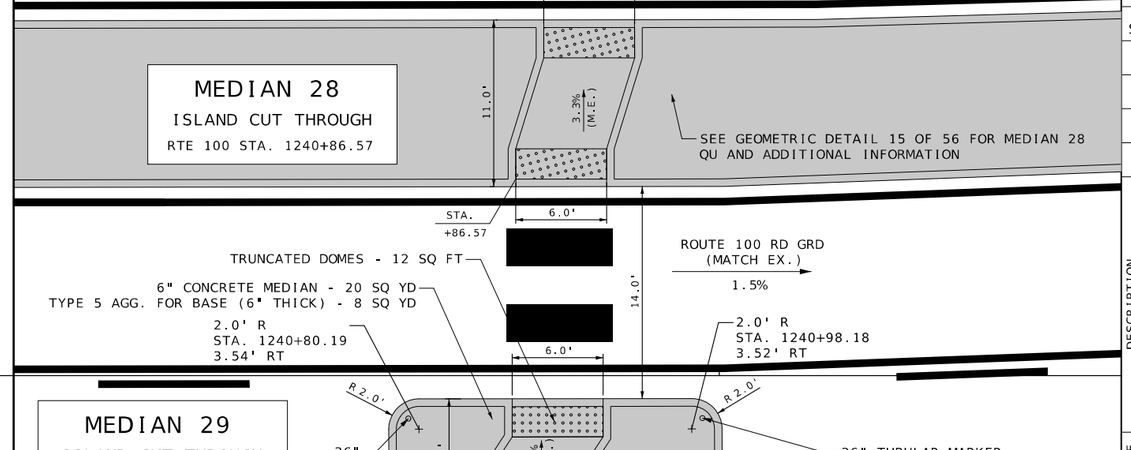
CURB REMOVAL - 26 FT

SEE GEOMETRIC DETAIL 15 OF 56 FOR MEDIAN 30 QU AND ADDITIONAL INFORMATION

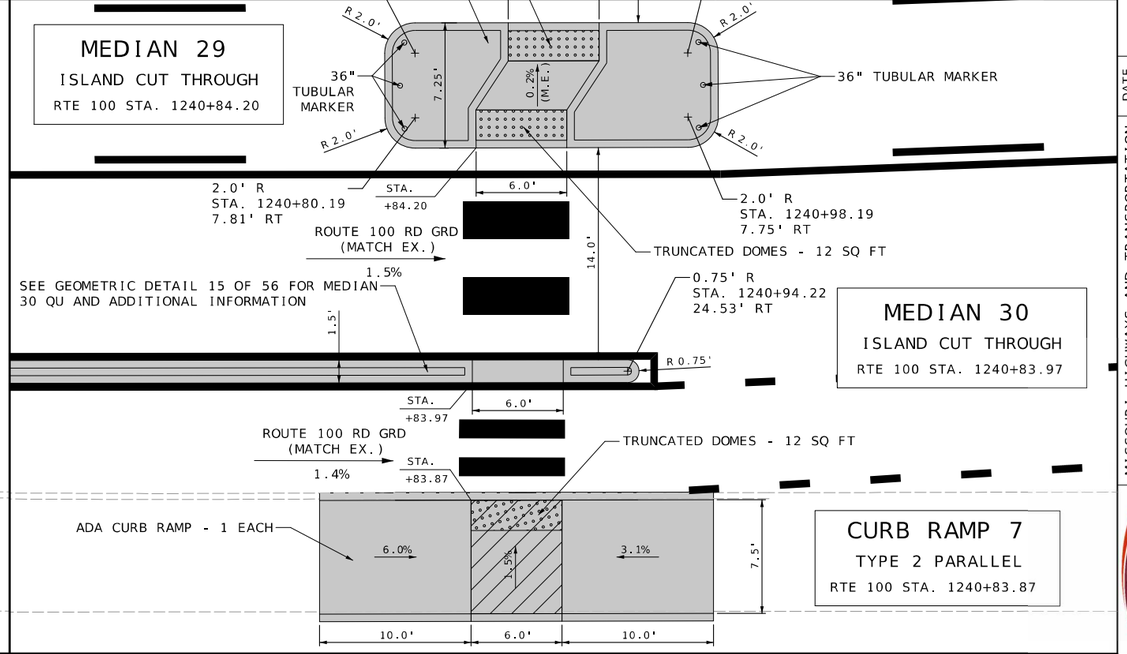
CURB RAMP 6
TYPE 2 PARALLEL
RTE 100 STA. 1240+88.28



MEDIAN 28
ISLAND CUT THROUGH
RTE 100 STA. 1240+86.57



MEDIAN 29
ISLAND CUT THROUGH
RTE 100 STA. 1240+84.20



MEDIAN 30
ISLAND CUT THROUGH
RTE 100 STA. 1240+83.97

CURB RAMP 7
TYPE 2 PARALLEL
RTE 100 STA. 1240+83.87

SCALE
0 5 10 15

NOTES:
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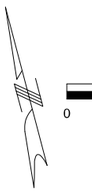
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- RAMP DIRECTION



SCALE
0 5 10 15

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 117
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

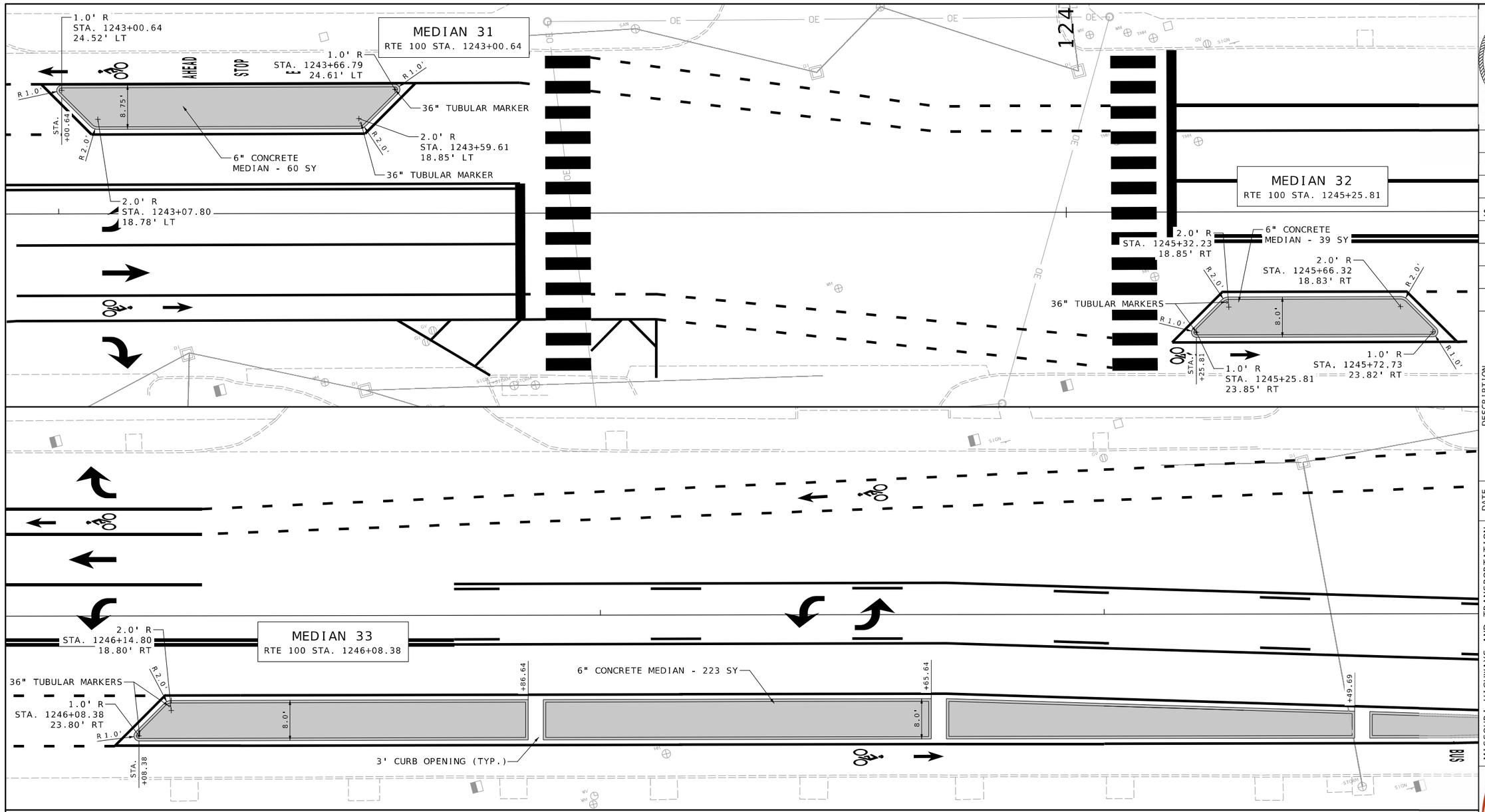
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

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

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS
ROUTE 100
SHEET 16 OF 56



NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	118

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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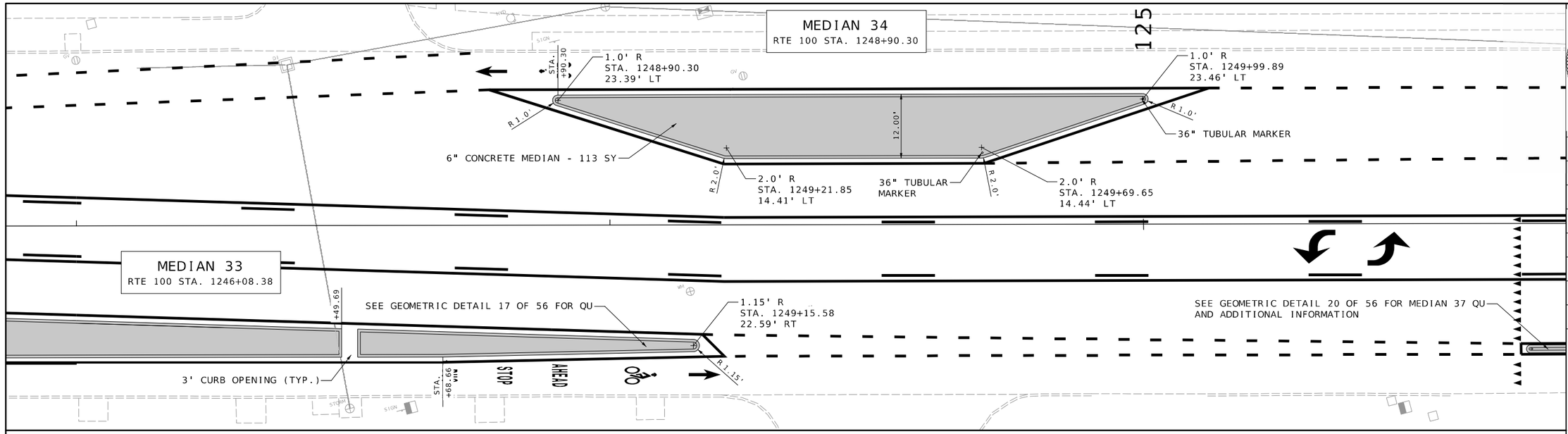
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

GEOMETRIC DETAILS

ROUTE 100

SHEET 17 OF 56



NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	119

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

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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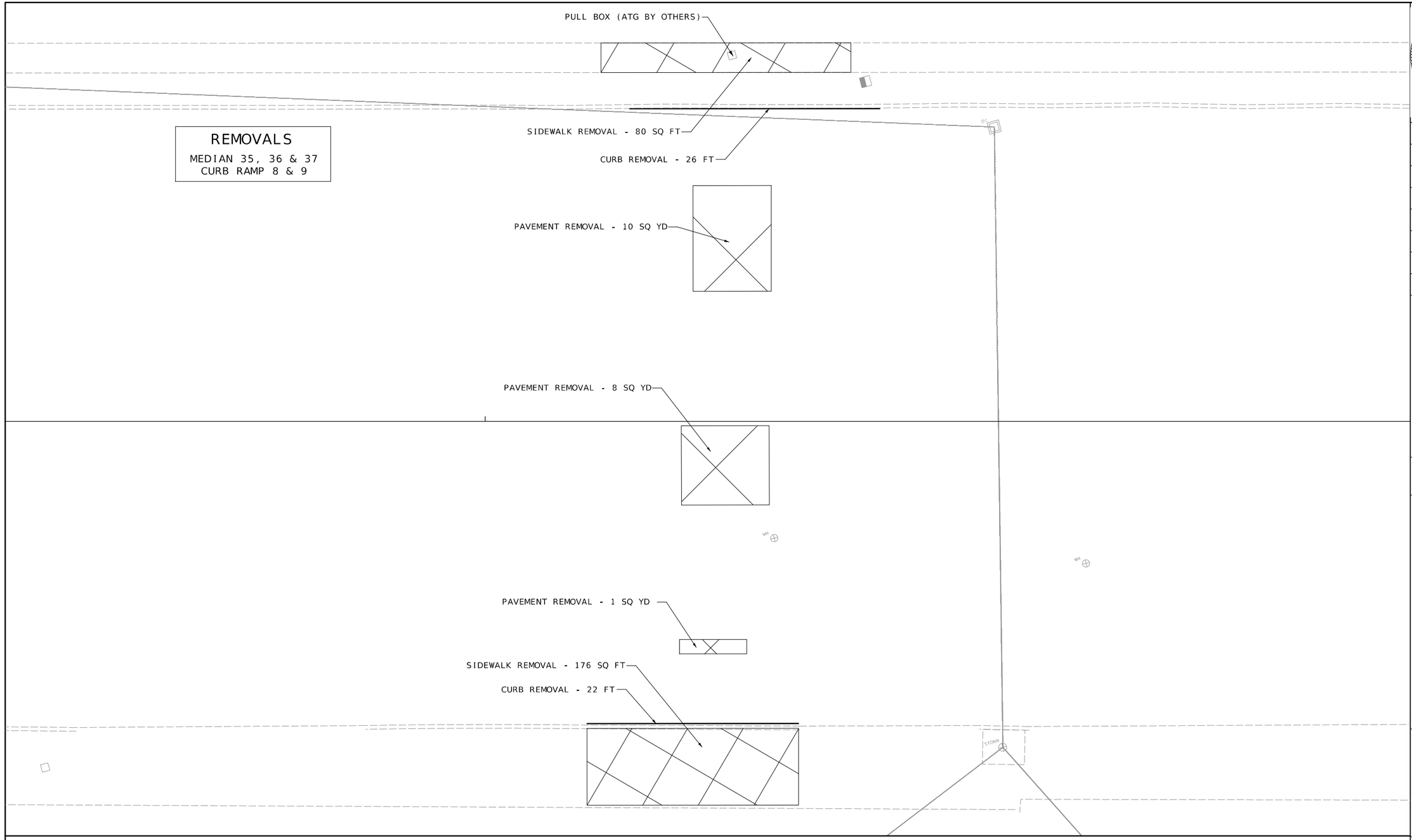
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS
ROUTE 100
SHEET 18 OF 56

REMOVALS

MEDIAN 35, 36 & 37
CURB RAMP 8 & 9



NOTES:

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2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

SCALE
0 5 10 15

GEOMETRIC DETAILS
ROUTE 100
SHEET 19 OF 56

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	120

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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)

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CURB RAMP 8
TYPE 2 PARALLEL
RTE 100 STA. 1251+22.05

PULL BOX (ATG BY OTHERS)

10.0' | 6.0' | 10.0'

7.2% | 1.5% | 5.5%

6.5'

ADA CURB RAMP - 1 EACH

TRUNCATED DOMES - 12 SQ FT

STA. +22.05

ROUTE 100 RD GRD (MATCH EX.)

0.9%

SEE GEOMETRIC DETAIL 21 OF 56 FOR MEDIAN 38 QU AND ADDITIONAL INFORMATION

1.0' R
STA. 1251+80.30
23.58' LT

1.0' R
STA. 1251+00.96
23.53' LT

R1.0'

6.0'

TRUNCATED DOMES - 12 SQ FT

3.8% (M.E.)

11.0'

6" CONCRETE MEDIAN - 89 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 10 SQ YD

36" TUBULAR MARKER

R2.0'

2.0' R
STA. 1251+10.37
15.53' LT

MEDIAN 35
ISLAND CUT THROUGH
RTE 100 STA. 1251+23.28

6" CONCRETE MEDIAN - 20 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 8 SQ YD

14.0'

STA. +23.28

TRUNCATED DOMES - 12 SQ FT

2.0' R
STA. 1251+16.92
2.46' RT

2.0' R
STA. 1251+34.92
2.45' RT

2.0' R
STA. 1251+70.88
15.57' LT

ROUTE 100 RD GRD (MATCH EX.)

0.9%

36" TUBULAR MARKER

6.0'

8.25'

0.2% (M.E.)

36" TUBULAR MARKER

MEDIAN 36
ISLAND CUT THROUGH
RTE 100 STA. 1251+20.94

2.0' R
STA. 1251+16.93
6.71' RT

2.0' R
STA. 1251+34.93
6.70' RT

STA. +20.94

STA. +20.72

6" CONCRETE MEDIAN - 10 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 1 SQ YD

ROUTE 100 RD GRD (MATCH EX.)

0.9%

TRUNCATED DOMES - 12 SQ FT

14.0'

1.5'

0.75' R
STA. 1251+30.99
23.45' RT

R 0.75'

MEDIAN 37
ISLAND CUT THROUGH
RTE 100 STA. 1251+20.72

0.75' R
STA. 1250+72.47
23.49' RT

36" TUBULAR MARKER

ROUTE 100 RD GRD (MATCH EX.)

0.9%

STA. +26.60

TRUNCATED DOMES - 12 SQ FT

ADA CURB RAMP - 1 EACH

5.4% | 1.6% | 4.7%

8.0'

10.0' | 6.0' | 6.0'

CURB RAMP 9
TYPE 2 PARALLEL
RTE 100 STA. 1251+26.60

SCALE
0 5 10 15

NOTES:
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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND
- DETECTABLE WARNING SURFACE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- SIDEWALK/MEDIAN RAMP, 8.33% MAX. SLOPE
- RAMP DIRECTION

GEOMETRIC DETAILS
ROUTE 100
SHEET 20 OF 56

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

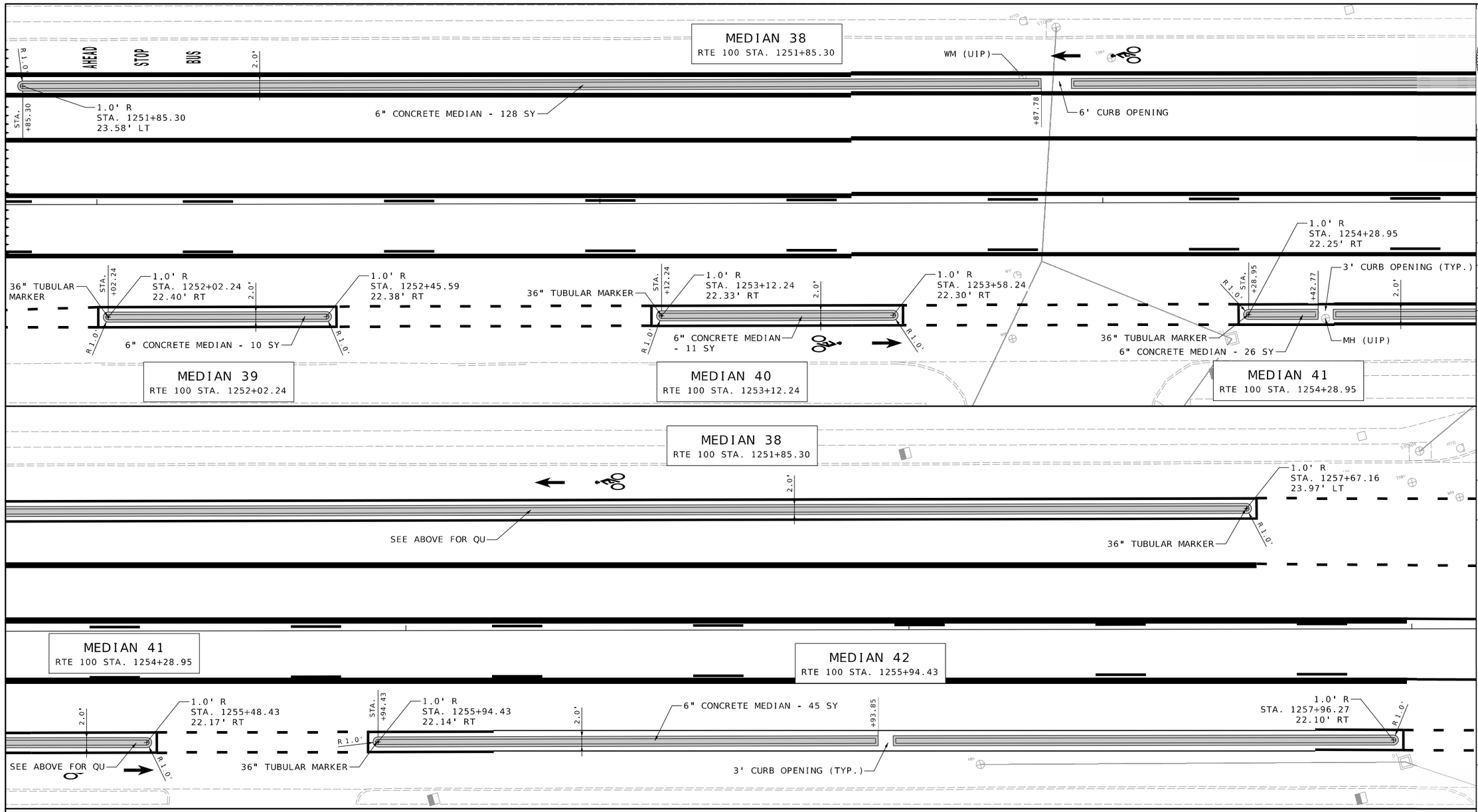
DATE PREPARED 3/26/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 121
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528



NOTES:

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2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO

DISTRICT	SHEET NO.
SL	122

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

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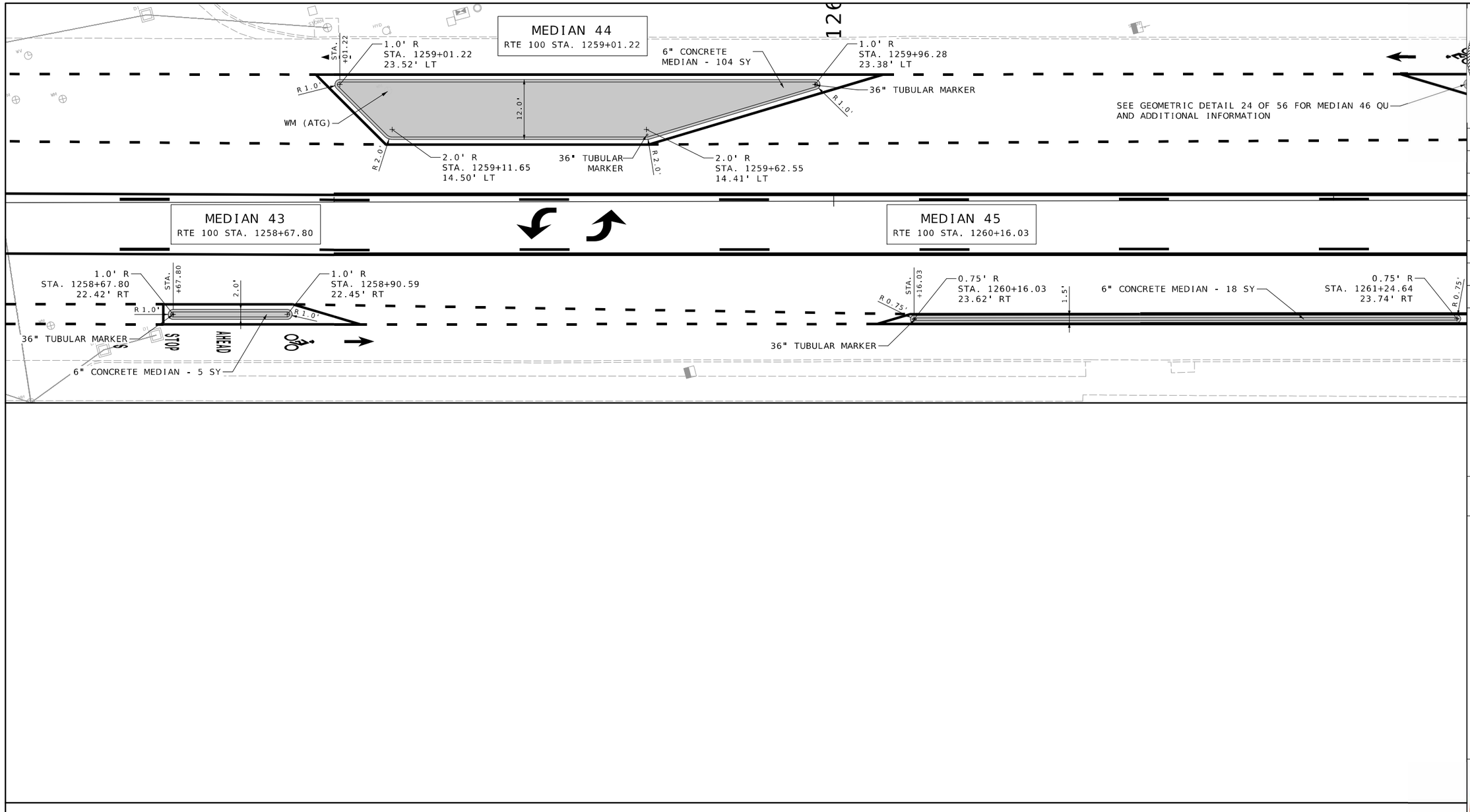
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS

ROUTE 100

SHEET 21 OF 56



NOTES:

1. ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/ SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	123

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION	DATE

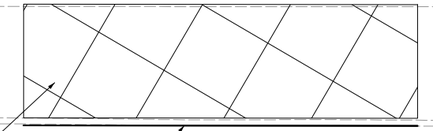
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS
ROUTE 100
SHEET 22 OF 56

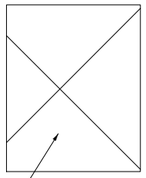
REMOVALS

MEDIAN 46, 47 & 48
CURB RAMP 10 & 11

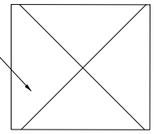


SIDEWALK REMOVAL - 195 SQ FT

CURB REMOVAL - 26 FT

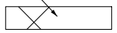


PAVEMENT REMOVAL - 11 SQ YD



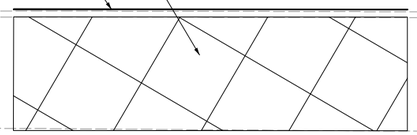
PAVEMENT REMOVAL - 8 SQ YD

PAVEMENT REMOVAL - 1 SQ YD



SIDEWALK REMOVAL - 195 SQ FT

CURB REMOVAL - 26 FT



NOTES:

1. ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

SCALE

0 5 10 15

GEOMETRIC DETAILS

ROUTE 100

SHEET 23 OF 56

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

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO

DISTRICT	SHEET NO.
SL	124

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

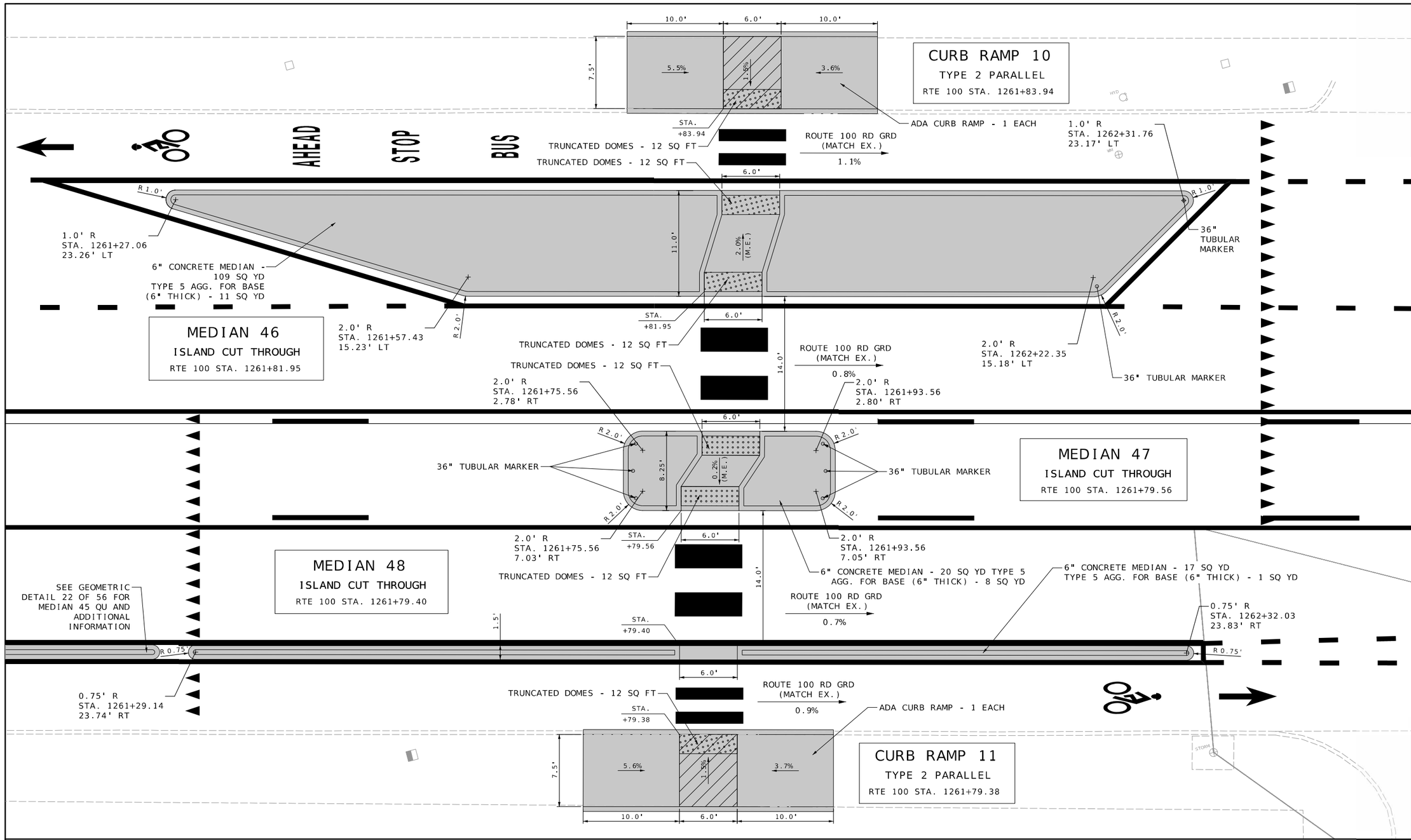
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538



STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	125

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

TWM
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GEOSPATIAL SERVICES
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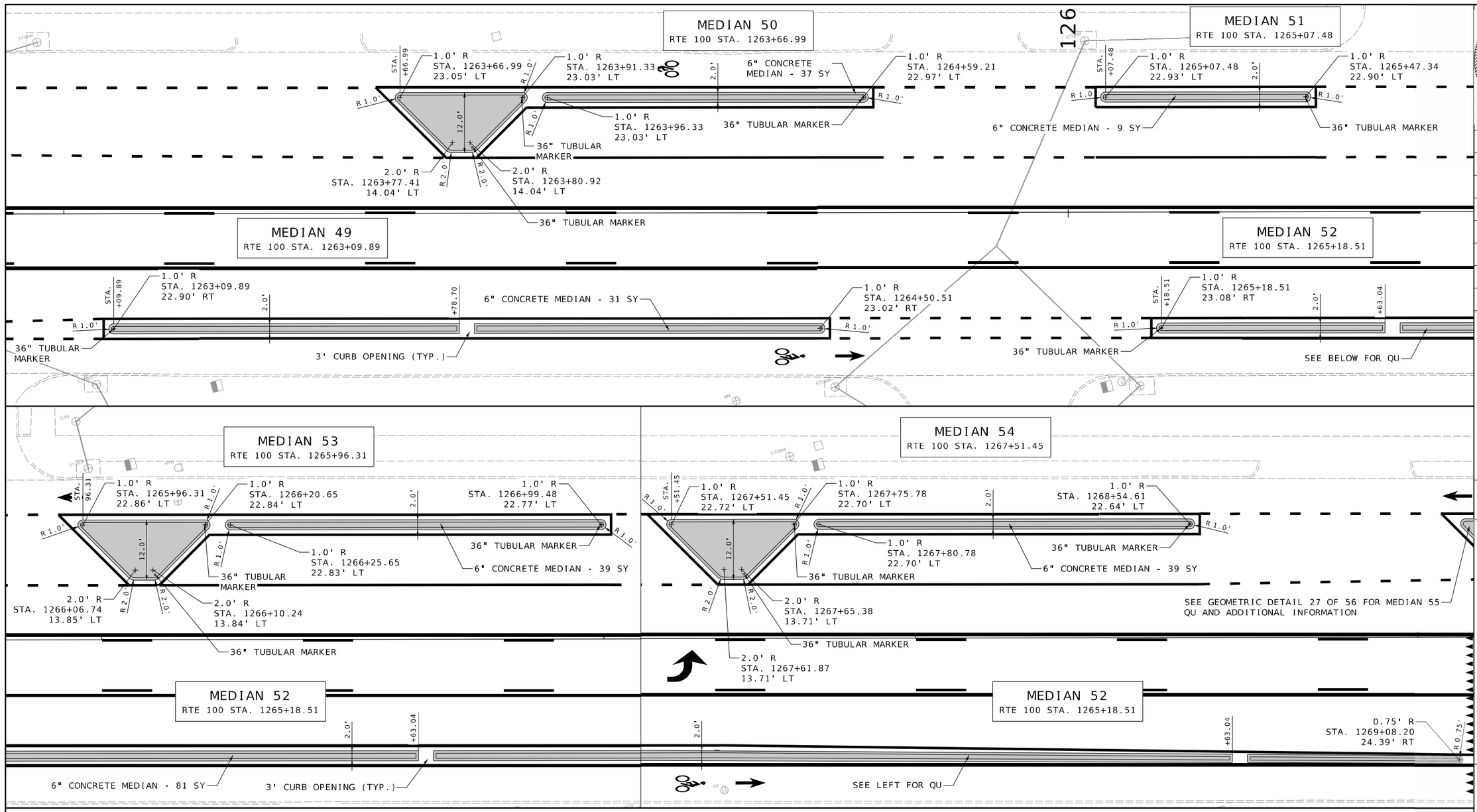
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS
ROUTE 100
SHEET 24 OF 56



NOTES:

1. ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/ SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	126

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

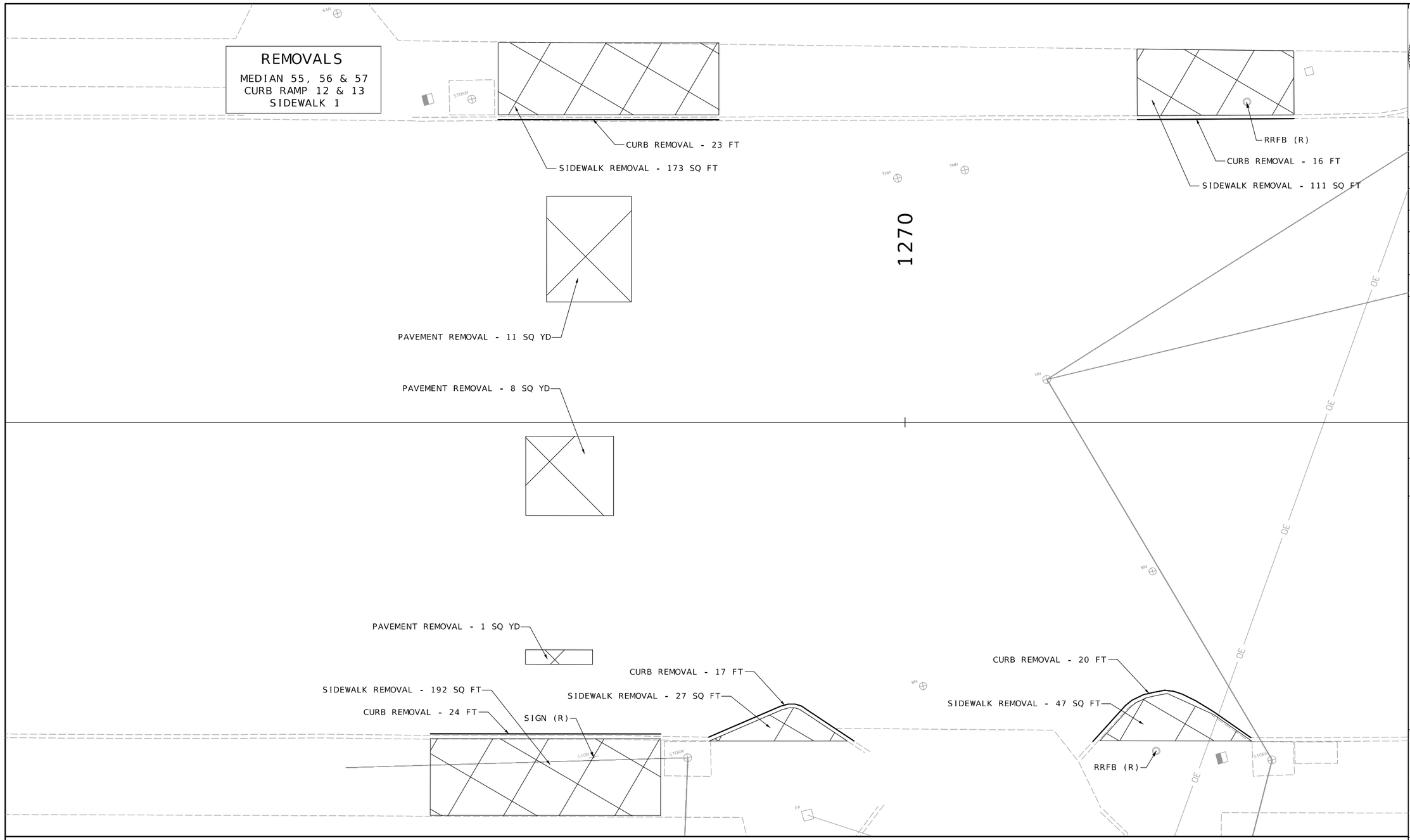
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

GEOMETRIC DETAILS
ROUTE 100
SHEET 25 OF 56

REMOVALS

MEDIAN 55, 56 & 57
CURB RAMP 12 & 13
SIDEWALK 1



NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

SCALE
0 5 10 15

GEOMETRIC DETAILS
ROUTE 100
SHEET 26 OF 56

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	127

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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
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CURB RAMP 12
TYPE 2 PARALLEL
RTE 100 STA. 1269+64.59

SIDEWALK 1
RTE 100 STA. 1270+24.19

MEDIAN 55
ISLAND CUT THROUGH
RTE 100 STA. 1269+63.14

MEDIAN 56
ISLAND CUT THROUGH
RTE 100 STA. 1269+60.97

MEDIAN 57
ISLAND CUT THROUGH
RTE 100 STA. 1269+60.95

CURB RAMP 13
TYPE 2 PARALLEL
RTE 100 STA. 1269+60.54

7.0' 6.0' 10.0' 7.5' 4.2% 1.6% 5.6%
ADA CURB RAMP - 1 EACH
STA. +64.59
ADA SIDEWALK - 1 EACH
RRFB (R)
6.0' 4.3' 6.0'
STA. +24.19
1.0' R STA. 1269+09.56 22.59' LT
ROUTE 100 RD GRD (MATCH EX.) 0.5%
TRUNCATED DOMES - 12 SQ FT
6" CONCRETE MEDIAN - 138 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 11 SQ YD
1270
R 1.0'
1.0' R STA. 1270+28.95 22.49' LT
36" TUBULAR MARKER
2.0' R STA. 1270+19.55 14.49' LT
R 2.0'
2.0' R STA. 1269+18.99 14.58' LT
11.0' 2.0% (M.E.)
STA. +63.14
6.0'
TRUNCATED DOMES - 12 SQ FT
ROUTE 100 RD GRD (MATCH EX.) 0.7%
14.0'
6" CONCRETE MEDIAN - 20 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 8 SQ YD
2.0' R STA. 1269+56.97 3.45' RT
2.0' R STA. 1269+74.97 3.47' RT
36" TUBULAR MARKER
0.2% (M.E.) 8.25'
2.0' R STA. 1269+56.97 7.70' RT
STA. +60.97
2.0' R STA. 1269+74.97 7.72' RT
SEE GEOMETRIC DETAIL 25 OF 56 FOR MEDIAN 52 QU AND ADDITIONAL INFORMATION
6" CONCRETE MEDIAN - 10 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 1 SQ YD
1.5'
ROUTE 100 RD GRD (MATCH EX.) 0.7%
STA. +60.95
0.75' R STA. 1269+73.97 24.47' RT
R 0.75'
0.75' R STA. 1269+12.70 24.41' RT
ROUTE 100 RD GRD (MATCH EX.) 1.1%
STA. +60.54
TRUNCATED DOMES - 12 SQ FT
FULL DEPTH PAVEMENT REPAIRS - 27.4 SQ YD
FULL DEPTH PAVEMENT REPAIRS - 48.9 SQ YD
CONC. CURB, TYPE S - 15 FT
ADA CURB RAMP - 1 EACH
6.1% 1.5% 5.0%
SIGN (R)
8.0'
10.0' 6.0' 8.0'
CONC. CURB, TYPE S - 16 FT
RRFB (R)

NOTES:
1. ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND
- DETECTABLE WARNING SURFACE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- RAMP DIRECTION

SCALE 0 5 10 15

STATE OF MISSOURI
KEVIN M. OSTERMILLER NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/26/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 128
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

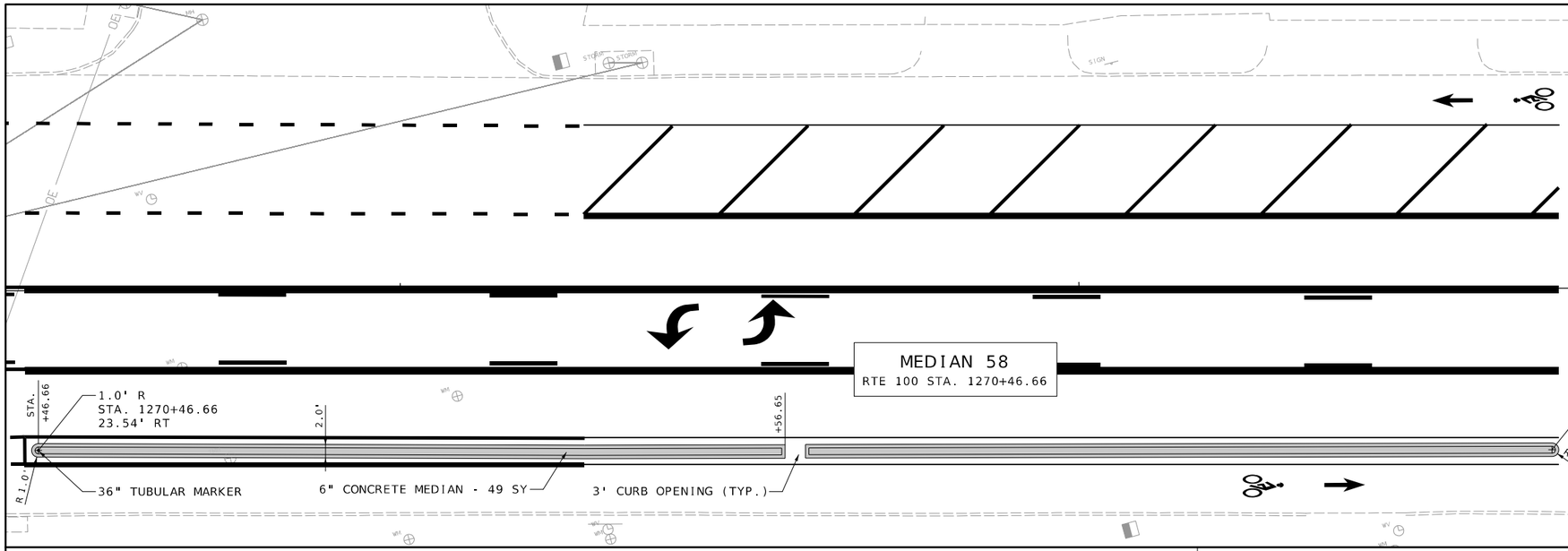
DESCRIPTION | DATE

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

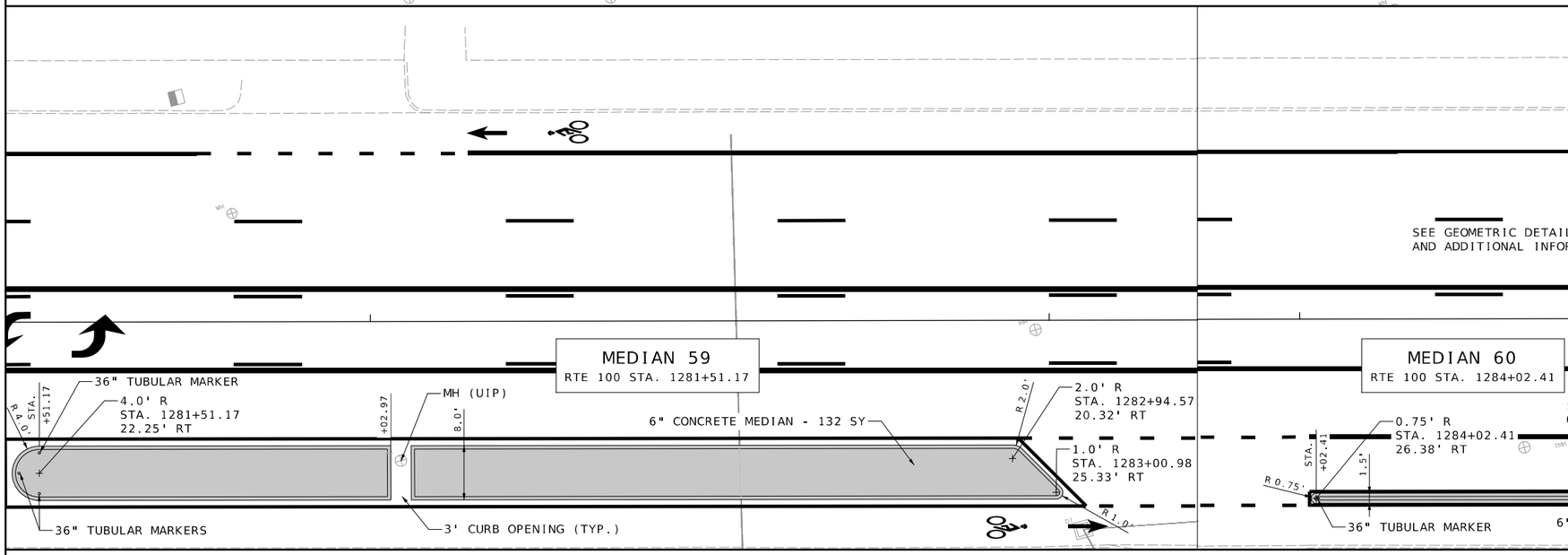
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)
MoDOT

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

GEOMETRIC DETAILS
ROUTE 100
SHEET 27 OF 56



1285



NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED 3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	129

COUNTY: ST. LOUIS CITY

JOB NO. JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION	DATE

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

TWM ENGINEERING GEOSPATIAL SERVICES
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www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS
ROUTE 100
SHEET 28 OF 56

REMOVALS
MEDIAN 61, 62, & 63

1285

SEE GEOMETRIC DETAIL 30 OF 56 FOR CURB RAMP 14
QU AND ADDITIONAL INFORMATION

PAVEMENT REMOVAL - 5 SQ YD

SEE GEOMETRIC DETAIL 30 OF 56 FOR MEDIAN 62
QU AND ADDITIONAL INFORMATION

PAVEMENT REMOVAL - 5 SQ YD

SIGN (R)

SEE GEOMETRIC DETAIL 30 OF 56 FOR CURB RAMP 15
QU AND ADDITIONAL INFORMATION

SEE GEOMETRIC DETAIL 30 OF 56 FOR CURB RAMP 14
QU AND ADDITIONAL INFORMATION

1285

1.0' R
STA. 1284+84.28
22.65' LT

R 1.0'

TRUNCATED DOMES - 12 SQ FT

6" CONCRETE MEDIAN -
99 SQ YD
TYPE 5 AGG. FOR BASE
(6" THICK) - 5 SQ YD

1.0' R
STA. 1286+36.52
22.49' LT

36" TUBULAR MARKER

R 1.0'

2.0' R
STA. 1284+88.77
19.65' LT

R 2.0'

TRUNCATED DOMES - 12 SQ FT

SEE GEOMETRIC DETAIL 30
OF 56 FOR MEDIAN 62 QU
AND ADDITIONAL
INFORMATION

R 2.0'

2.0' R
STA. 1286+26.55
19.50' LT

36" TUBULAR MARKER

MEDIAN 61
RTE 100 STA. 1285+49.80

MEDIAN 62
RTE 100 STA. 1285+45.53

6" CONCRETE MEDIAN -
53 SQ YD
TYPE 5 AGG. FOR BASE
(6" THICK) - 5 SQ YD

SEE GEOMETRIC DETAIL 28 OF
56 FOR MEDIAN 60 QU
AND ADDITIONAL INFORMATION

R 2.0'

36" TUBULAR MARKER

TRUNCATED DOMES - 12 SQ FT

R 2.0'

1.0' R
STA. 1285+83.03
25.46' RT

36" TUBULAR MARKER

R 1.0'

TRUNCATED DOMES - 12 SQ FT

R 1.0'

MEDIAN 63
RTE 100 STA. 1285+45.25

BUS STOP AHEAD

1.0' R
STA. 1284+98.11
25.36' RT

2.0' R
STA. 1285+02.45
22.37' RT

2,0' R
STA. 1285+69.48
22.44' RT

SIGN (R)

SEE GEOMETRIC DETAIL 30 OF 56 FOR CURB RAMP 15
QU AND ADDITIONAL INFORMATION

SCALE
0 10 20 30

NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/ MEDIAN

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	130

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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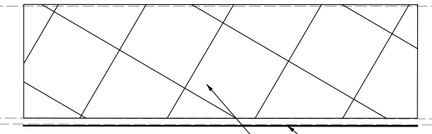
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS

ROUTE 100

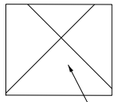
SHEET 29 OF 56



REMOVALS
MEDIAN 61, 62 & 63
CURB RAMP 14 & 15

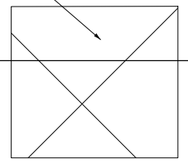
CURB REMOVAL - 26 FT

SIDEWALK REMOVAL - 195 SQ FT

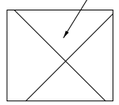


SEE GEOMETRIC DETAIL 29 OF 56 FOR MEDIAN 61 QU AND ADDITIONAL INFORMATION

PAVEMENT REMOVAL - 12 SQ YD



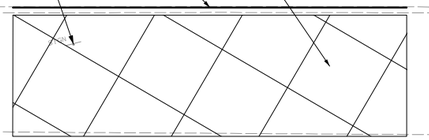
SEE GEOMETRIC DETAIL 29 OF 56 FOR MEDIAN 63 QU AND ADDITIONAL INFORMATION

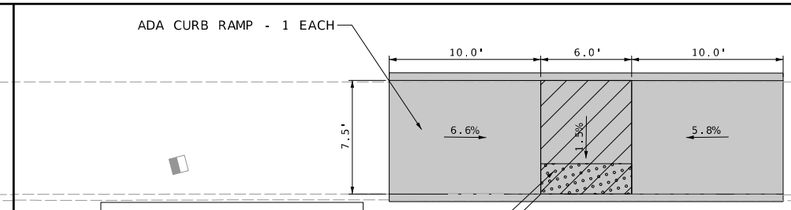


SIDEWALK REMOVAL - 208 SQ FT

CURB REMOVAL - 26 FT

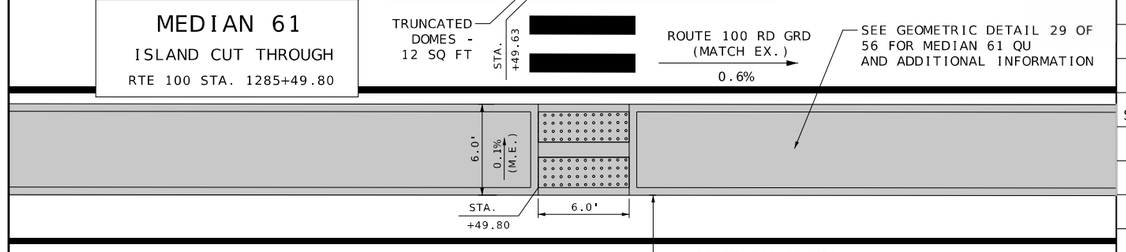
SIGN (R)

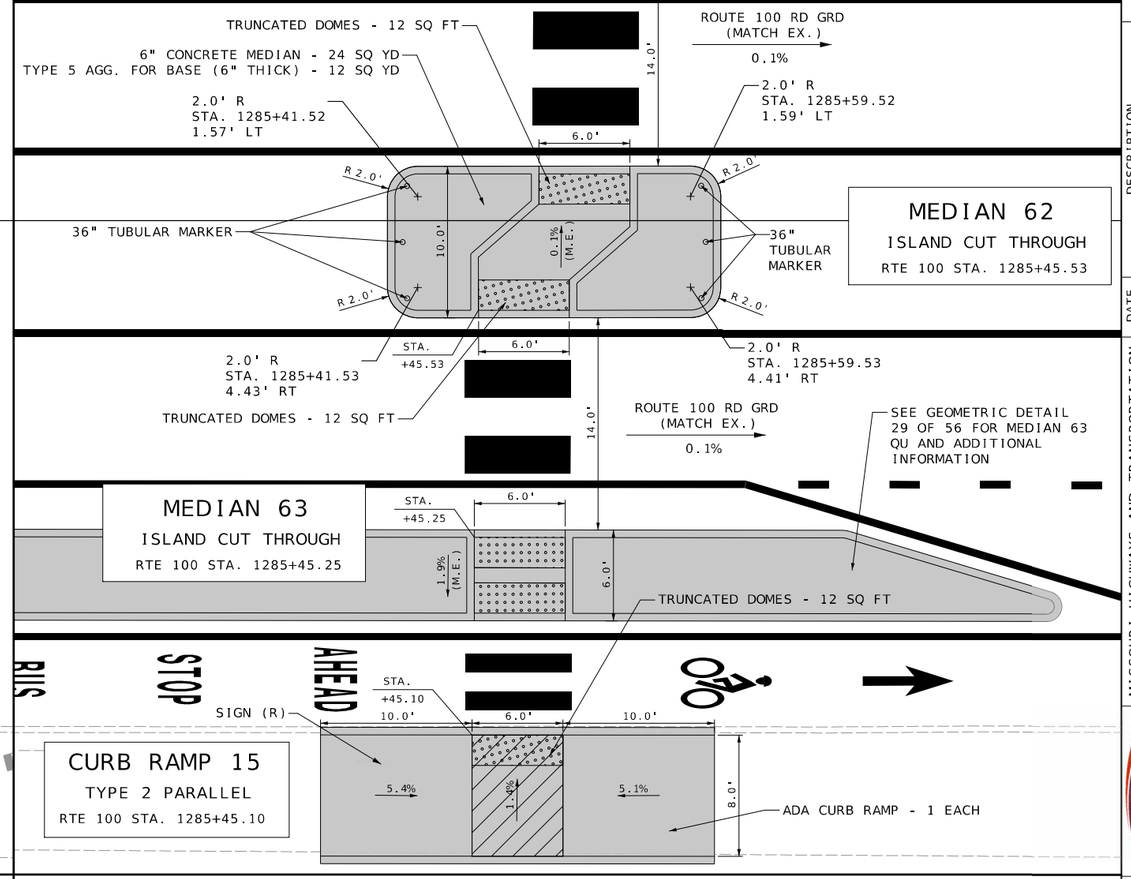




CURB RAMP 14
TYPE 2 PARALLEL
RTE 100 STA. 1285+49.63

MEDIAN 61
ISLAND CUT THROUGH
RTE 100 STA. 1285+49.80

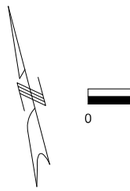




MEDIAN 62
ISLAND CUT THROUGH
RTE 100 STA. 1285+45.53

MEDIAN 63
ISLAND CUT THROUGH
RTE 100 STA. 1285+45.25

CURB RAMP 15
TYPE 2 PARALLEL
RTE 100 STA. 1285+45.10



SCALE
0 5 10 15

NOTES:
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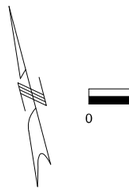
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- RAMP DIRECTION



SCALE
0 5 10 15

STATE OF MISSOURI
KEVIN M. OSTERMILLER NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	131

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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)

TWM ENGINEERING GEOSPATIAL SERVICES
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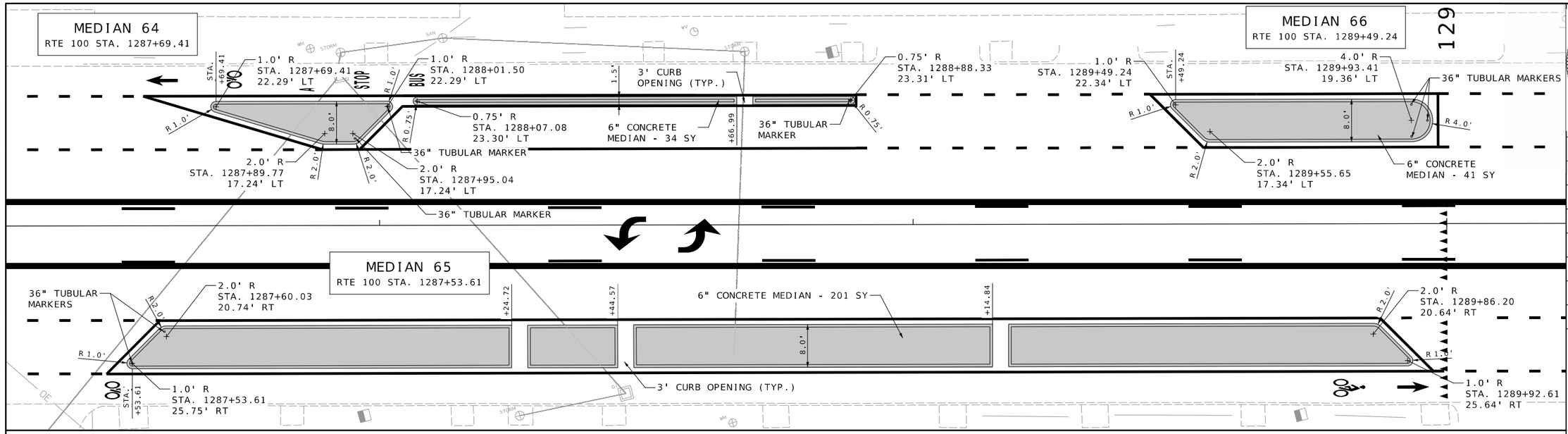
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

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

GEOMETRIC DETAILS
ROUTE 100
SHEET 30 OF 56



NOTES:

1. ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/ SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

129

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO

DISTRICT	SHEET NO.
SL	132

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

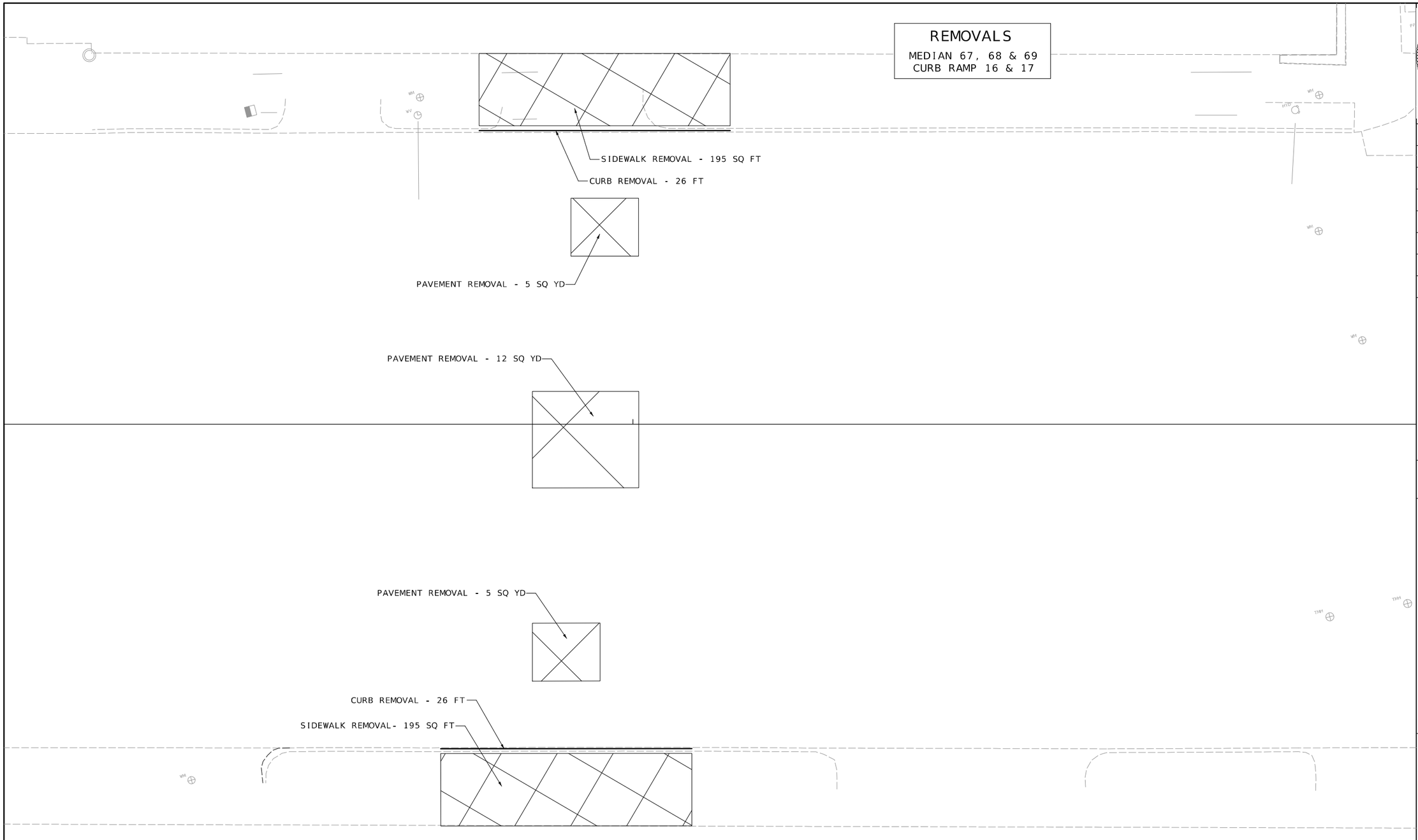
GEOMETRIC DETAILS

ROUTE 100

SHEET 31 OF 56

REMOVALS

MEDIAN 67, 68 & 69
CURB RAMP 16 & 17



NOTES:

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2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

SCALE
0 5 10 15

GEOMETRIC DETAILS
ROUTE 100
SHEET 32 OF 56

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED	
3/26/2025	
ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	133

COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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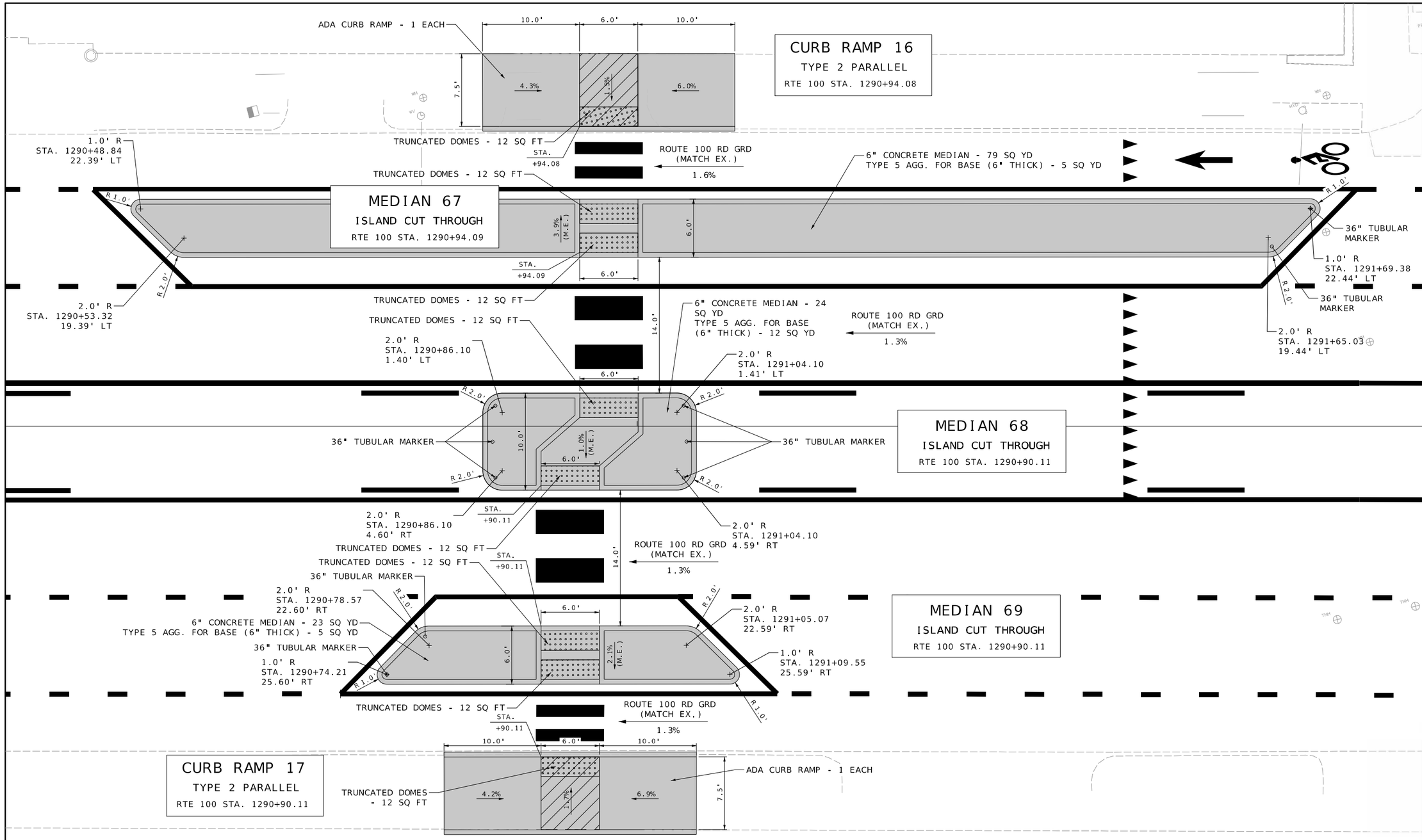
MISSOURI CERT. OF AUTHORITY: 001528



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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- RAMP DIRECTION

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	134

COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DESCRIPTION | DATE

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

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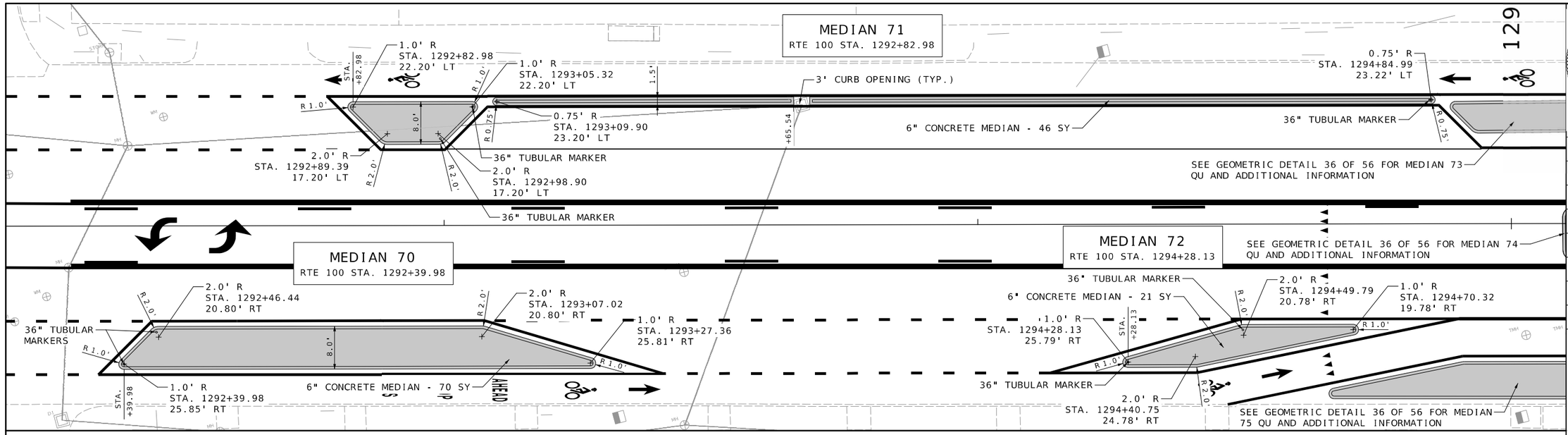
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS
ROUTE 100
SHEET 33 OF 56



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2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

129

KEVIN M. OSTERMILLER NUMBER PE-2015008160 STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	135

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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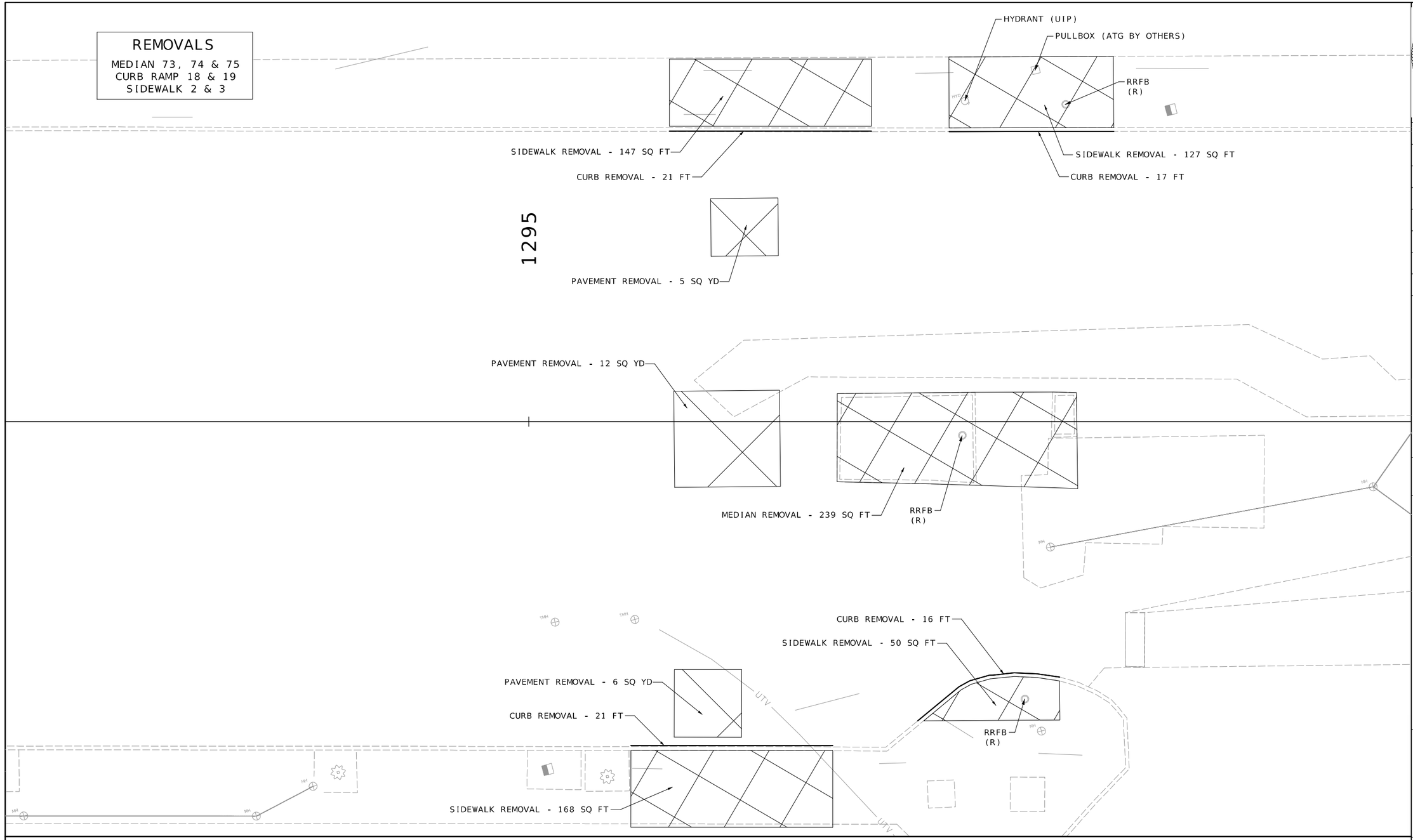
GEOMETRIC DETAILS
ROUTE 100
SHEET 34 OF 56

REMOVALS

MEDIAN 73, 74 & 75
CURB RAMP 18 & 19
SIDEWALK 2 & 3



NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

SCALE
0 5 10 15

GEOMETRIC DETAILS
ROUTE 100
SHEET 35 OF 56

STATE OF MISSOURI
PROFESSIONAL ENGINEER
KEVIN M. OSTERMILLER
NUMBER PE-2015008160

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 136
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

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MISSOURI CERT. OF AUTHORITY: 001538

CURB RAMP 18
TYPE 2 PARALLEL
RTE 100 STA. 1295+19.62

SIDEWALK 2
RTE 100 STA. 1295+49.71

MEDIAN 73
ISLAND CUT THROUGH
RTE 100 STA. 1295+19.44

MEDIAN 74
ISLAND CUT THROUGH
RTE 100 STA. 1295+15.67

MEDIAN 75
ISLAND CUT THROUGH
RTE 100 STA. 1295+15.64

SIDEWALK 3
RTE 100 STA. 1295+41.06

CURB RAMP 19
COMPOUND PERPENDICULAR
RTE 100 STA. 1295+15.61

SEE GEOMETRIC DETAIL 34 OF 56 FOR MEDIAN 71 QU AND ADDITIONAL INFORMATION

SEE GEOMETRIC DETAIL 34 OF 56 FOR MEDIAN 72 QU AND ADDITIONAL INFORMATION

ADA CURB RAMP - 1 EACH

HYDRANT (UIP)

PULLBOX (ATG BY OTHERS)

RRFB (R)

ADA SIDEWALK - 1 EACH

STA. +19.62

STA. +49.71

TRUNCATED DOMES - 12 SQ FT

TRUNCATED DOMES - 12 SQ FT
ROUTE 100 RD GRD (MATCH EX.)
3.6%

1.0' R
STA. 1294+89.56
21.94' LT

1.0' R
STA. 1295+57.44
22.56' LT

36" TUBULAR MARKER

6" CONCRETE MEDIAN - 42 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 5 SQ YD

2.0' R
STA. 1294+93.93
18.98' LT

2.0' R
STA. 1295+43.43
19.43' LT

STA. +19.44

ROUTE 100 RD GRD (MATCH EX.)
3.6%

TRUNCATED DOMES - 12 SQ FT

2.0' R
STA. 1295+11.60
1.14' LT

2.0' R
STA. 1295+29.59
1.31' LT

FULL DEPTH PAVEMENT REPAIRS - 26.6 SQ YD

36" TUBULAR MARKER

2.0' R
STA. 1295+11.65
4.86' RT

STA. +15.67

2.0' R
STA. 1295+29.65
4.69' RT

TRUNCATED DOMES - 12 SQ FT

ROUTE 100 RD GRD (MATCH EX.)
3.8%

6" CONCRETE MEDIAN - 24 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 12 SQ YD

2.0' R
STA. 1294+91.19
27.78' RT

STA. +15.64

TRUNCATED DOMES - 12 SQ FT

6" CONCRETE MEDIAN - 51 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 6 SQ YD

1.0' R
STA. 1295+42.56
26.78' RT

RRFB (R)

STA. +41.06

ADA SIDEWALK - 1 EACH

1.0' R
STA. 1294+66.76
31.73' RT

ADA CURB RAMP - 1 EACH

1.0' R
STA. 1295+36.39
31.87' RT

SCALE
0 5 10 15

NOTES:
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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- RAMP DIRECTION

STATE OF MISSOURI
KEVIN M. OSTERMILLER NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 137
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

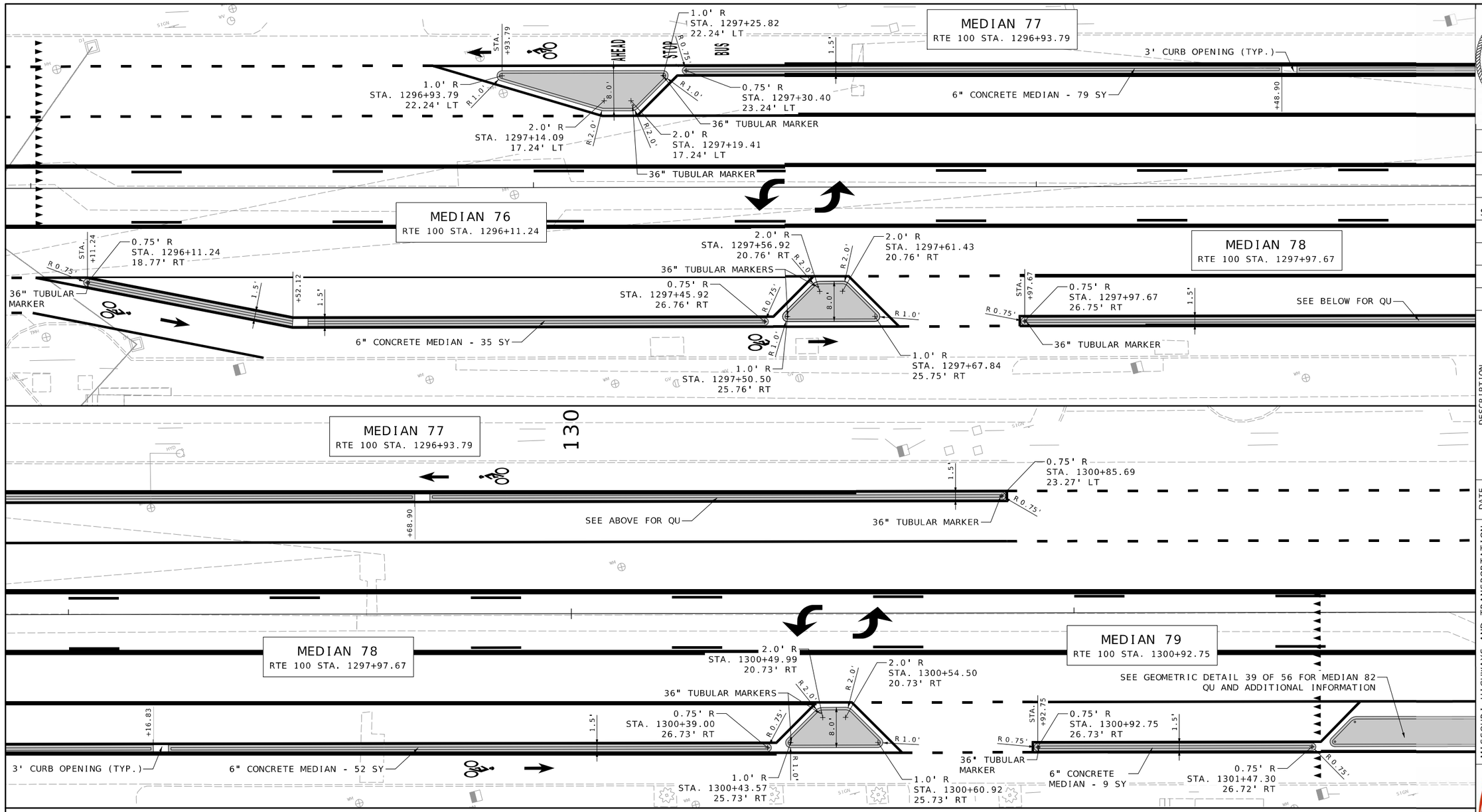
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION | DATE

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

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

GEOMETRIC DETAILS
ROUTE 100
SHEET 36 OF 56



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LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	138

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MoDOT

TWM
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(314) 241-6300
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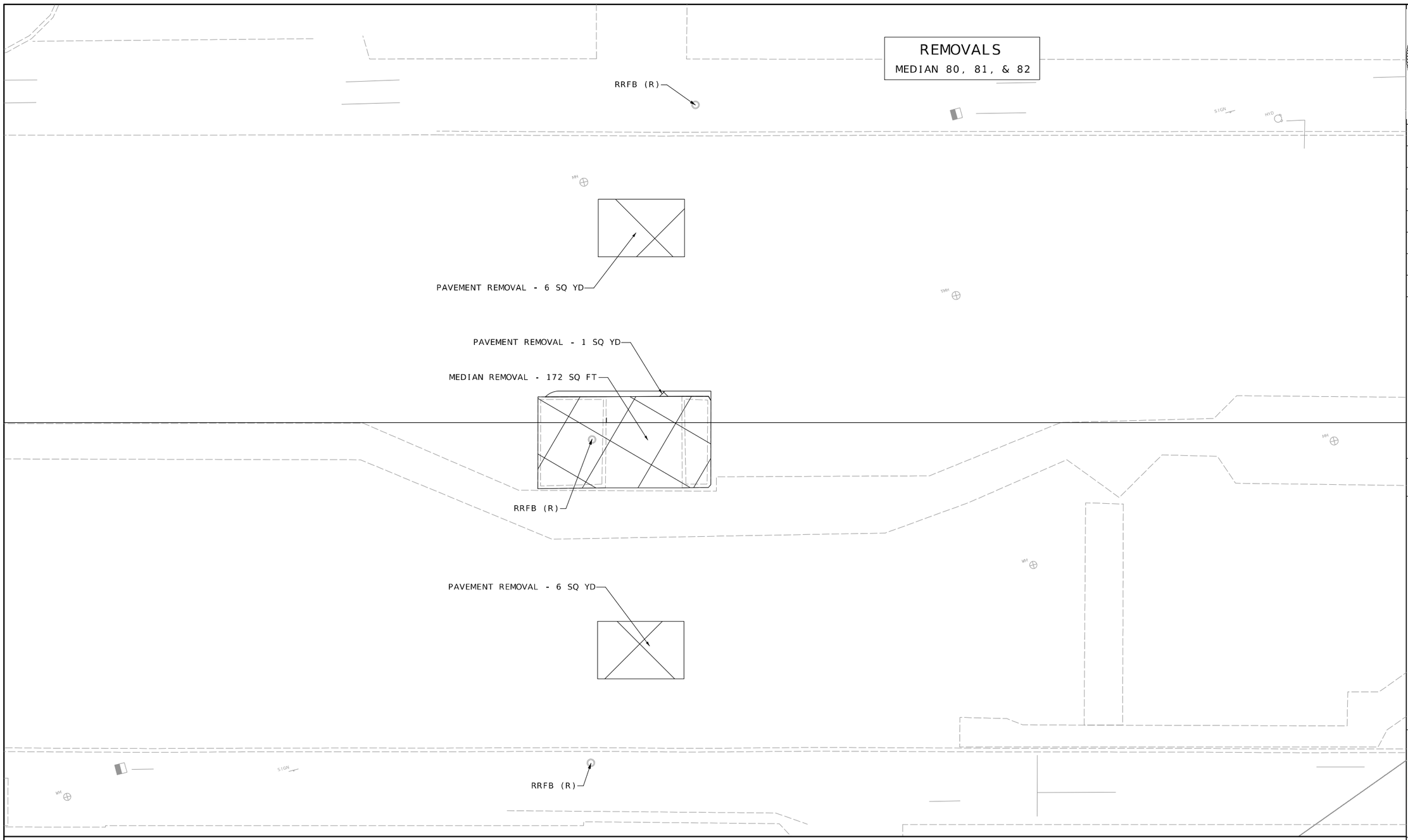
MISSOURI CERT. OF AUTHORITY: 001538

GEOMETRIC DETAILS

ROUTE 100

SHEET 37 OF 56

REMOVALS
MEDIAN 80, 81, & 82



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SCALE
0 5 10 15

GEOMETRIC DETAILS
ROUTE 100
SHEET 38 OF 56

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	139

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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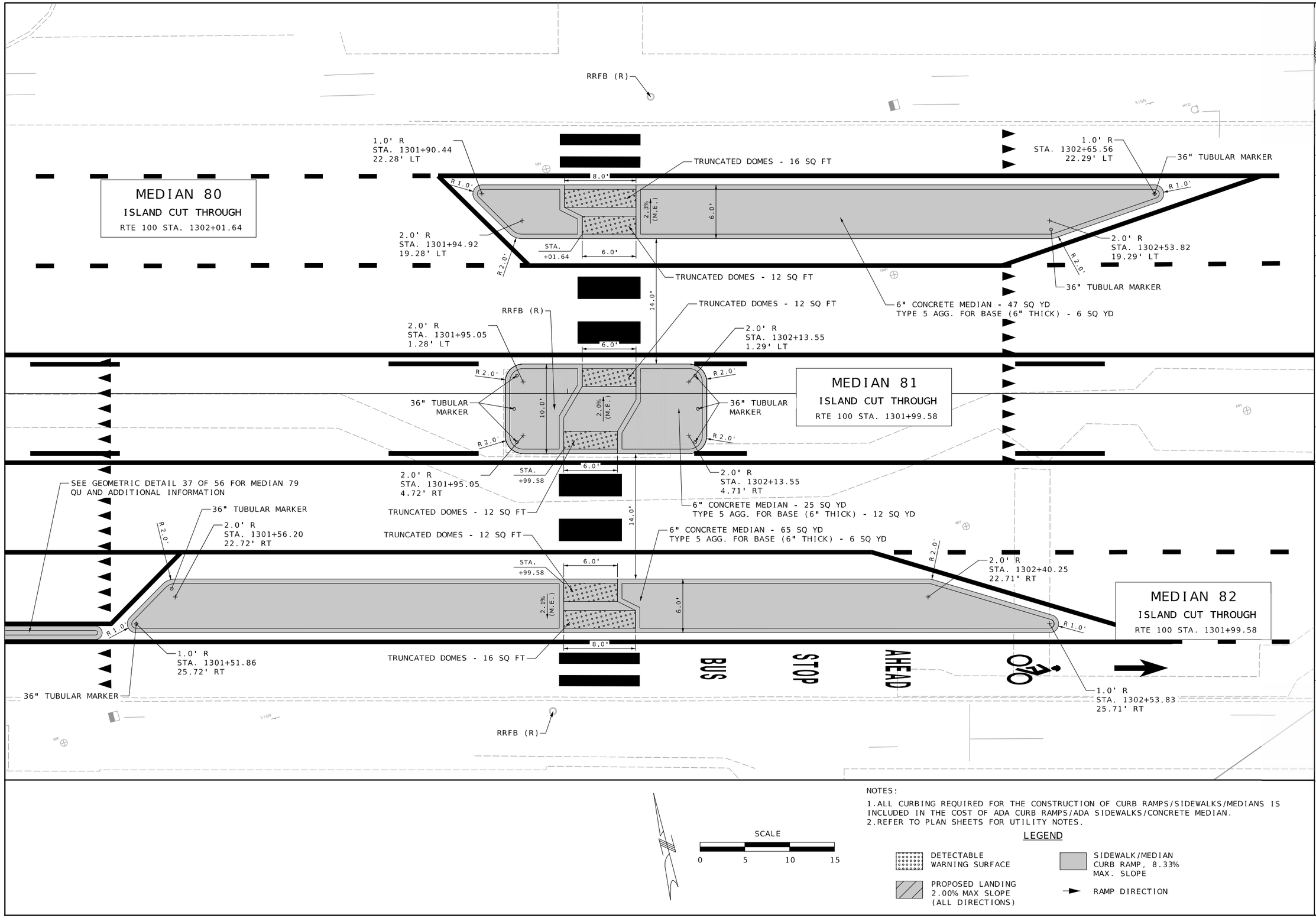

STATE OF MISSOURI
KEVIN M. OSTERMILLER NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	140

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION	DATE

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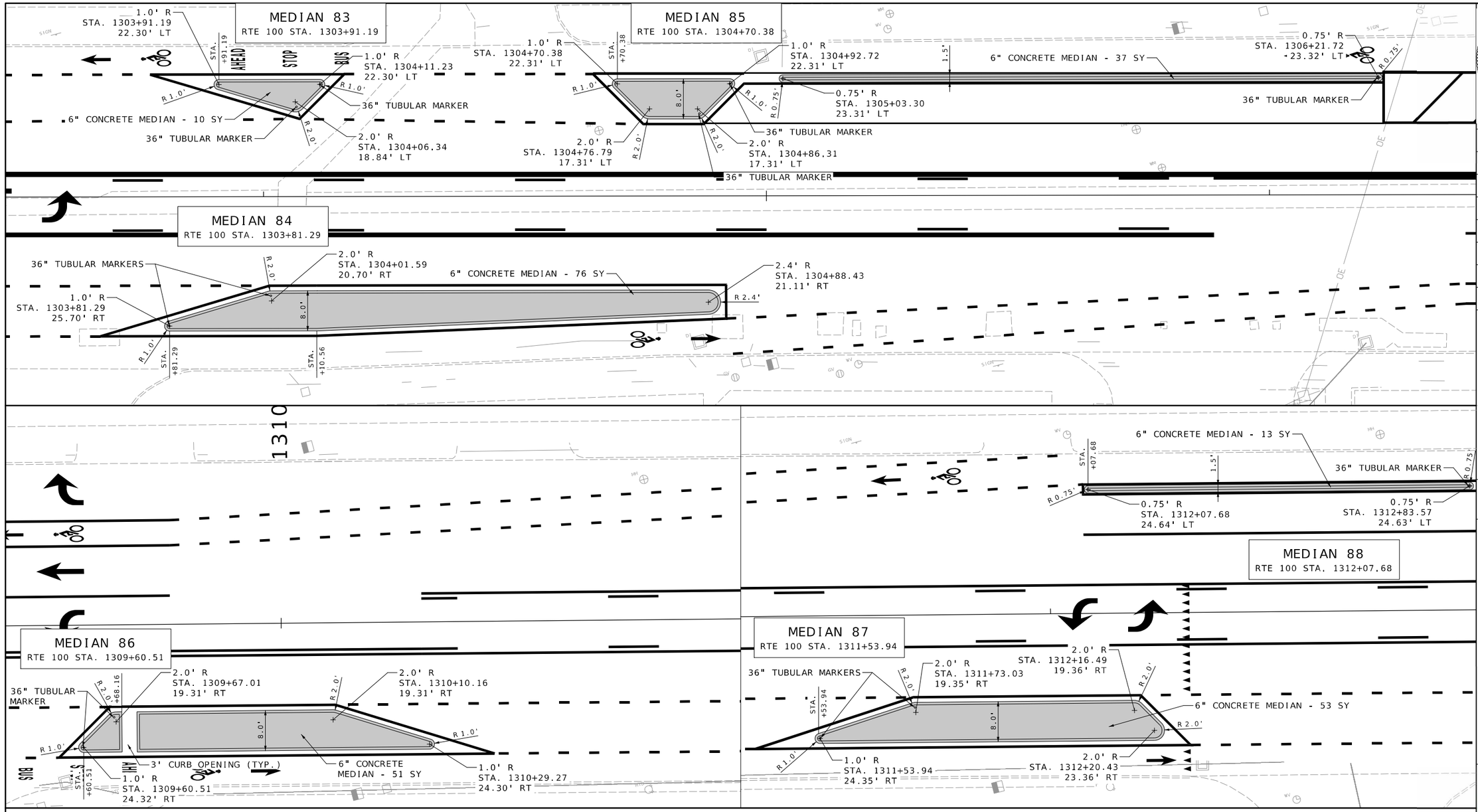
GEOMETRIC DETAILS
ROUTE 100
SHEET 39 OF 56



NOTES:

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2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO

DISTRICT	SHEET NO.
SL	141

COUNTY
ST. LOUIS CITY

JOB NO.
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DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

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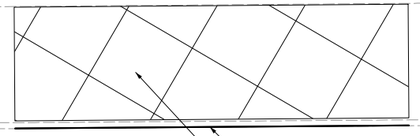
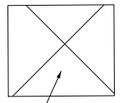
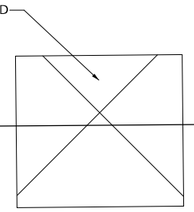
MISSOURI CERT. OF AUTHORITY: 001528

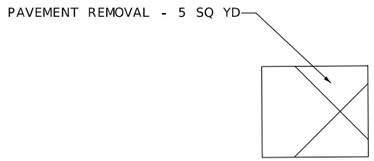
GEOMETRIC DETAILS
ROUTE 100
SHEET 40 OF 56

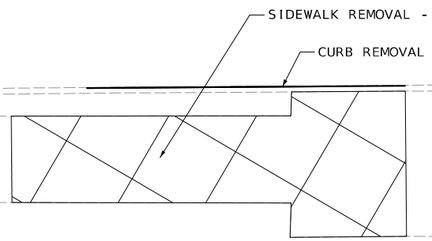
REMOVALS
MEDIAN 89, 90 & 91
CURB RAMP 20 & 21

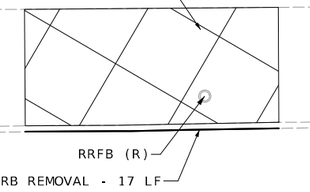




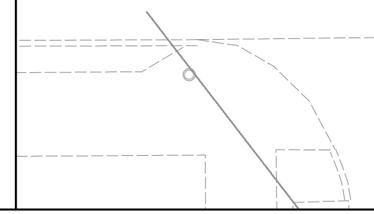








REMOVALS
SIDEWALK 4



NOTES:

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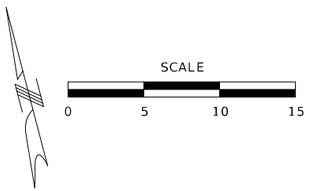

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 142
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

TWM
ENGINEERING
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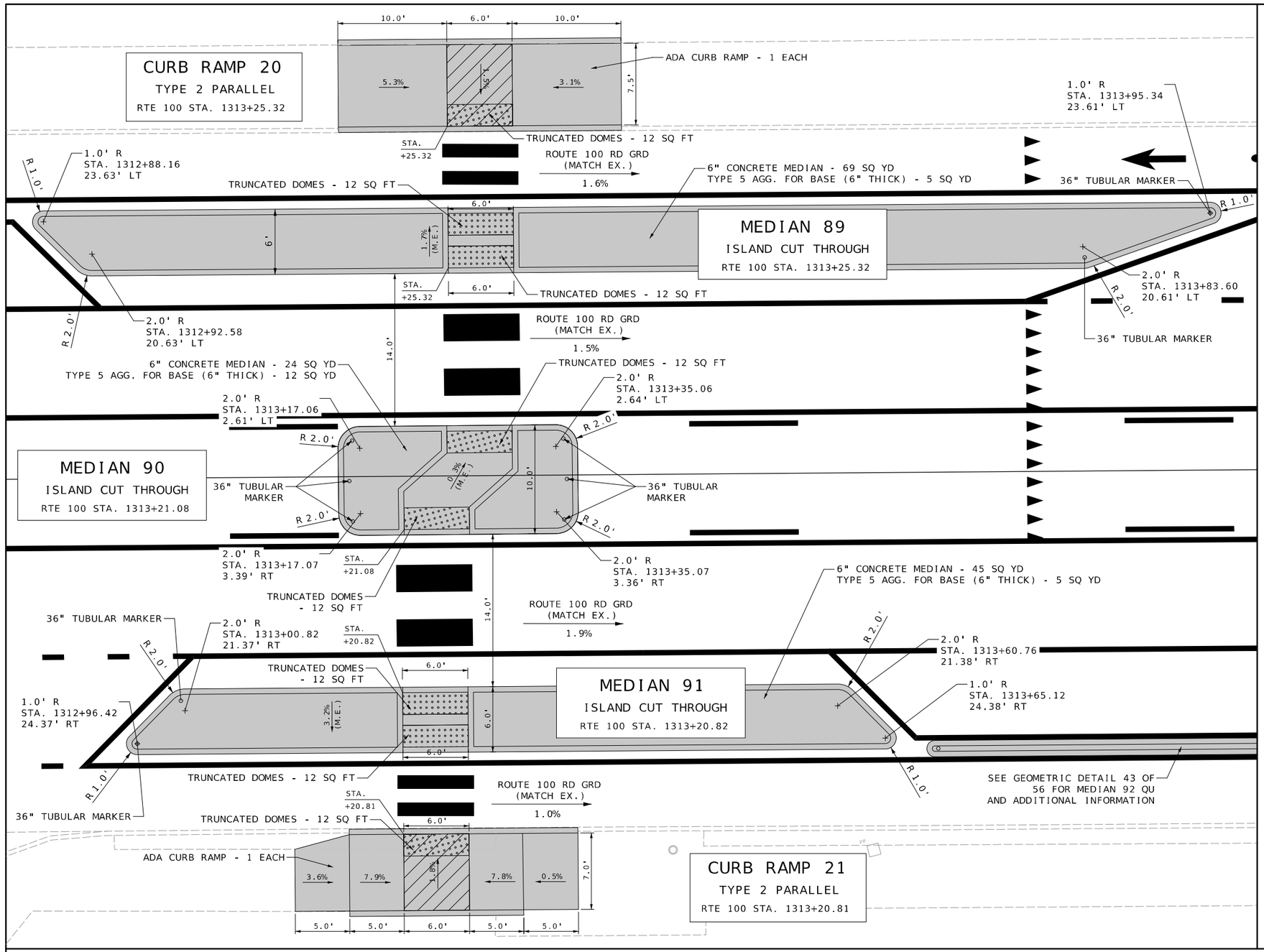
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS
ROUTE 100
SHEET 41 OF 56



SCALE
0 5 10 15

NOTES:
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2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- SIDEWALK/MEDIAN RAMP, 8.33% MAX. SLOPE
- RAMP DIRECTION

GEOMETRIC DETAILS
ROUTE 100
SHEET 42 OF 56

STATE OF MISSOURI
KEVIN M. OSTERMILLER NUMBER PE-2015008160
PROFESSIONAL ENGINEER

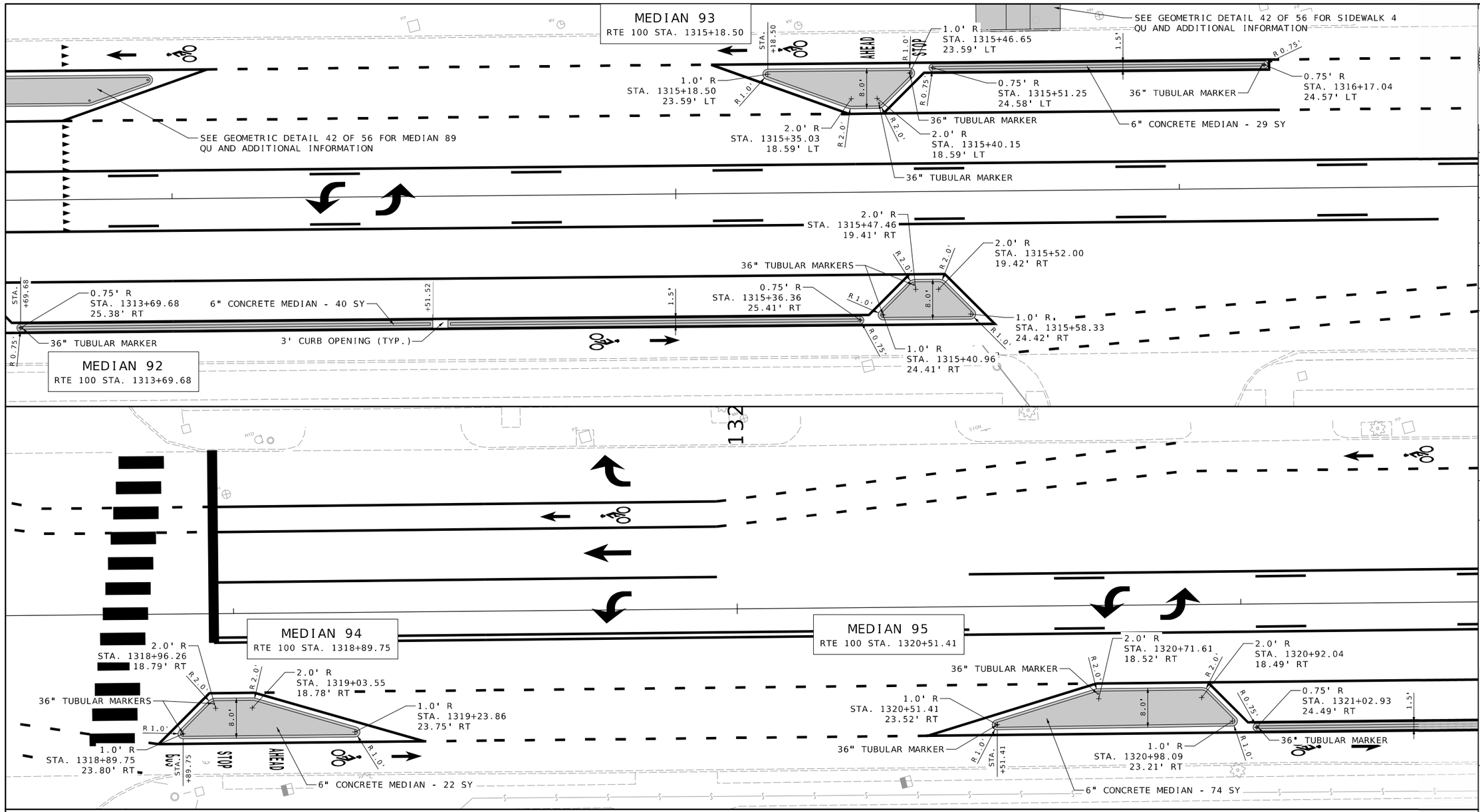
DATE PREPARED 3/26/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 143
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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)

ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528



NOTES:

1.ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/ SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

KEVIN M. OSTERMILLER NUMBER PE-2015008160
PROFESSIONAL ENGINEER
STATE OF MISSOURI

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

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	144

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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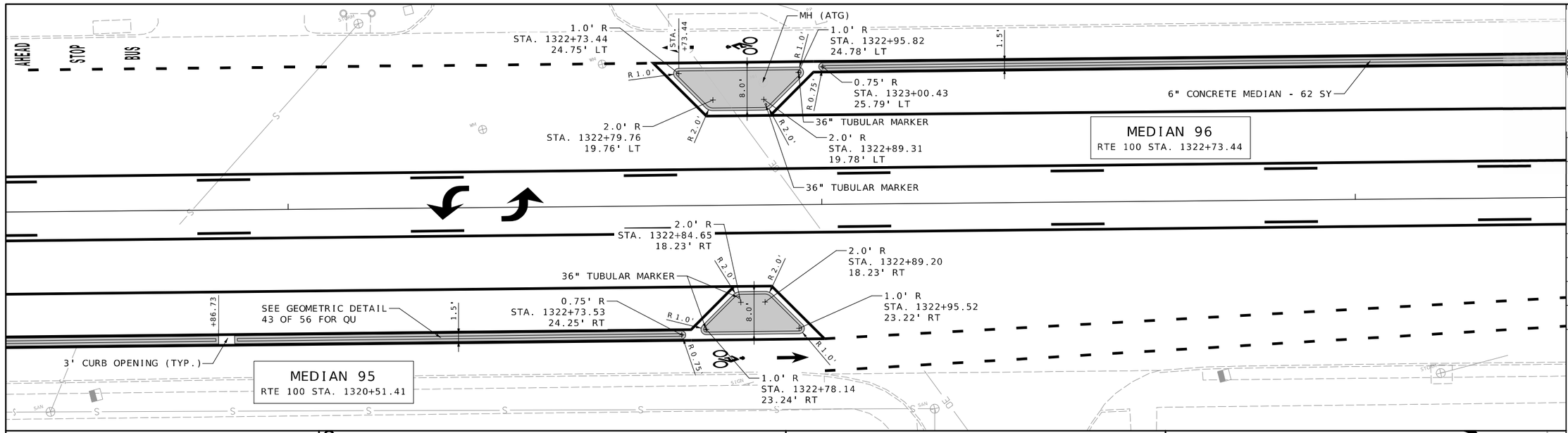
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

GEOMETRIC DETAILS
ROUTE 100
SHEET 43 OF 56



NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	145

COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

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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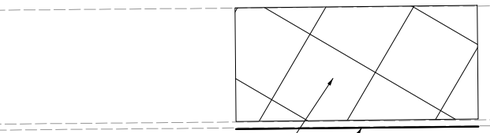
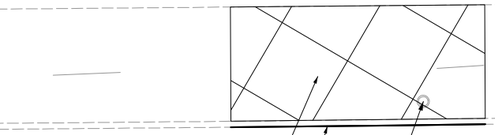
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

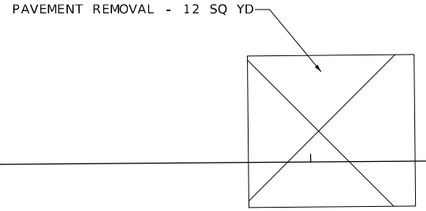
GEOMETRIC DETAILS
ROUTE 100
SHEET 44 OF 56

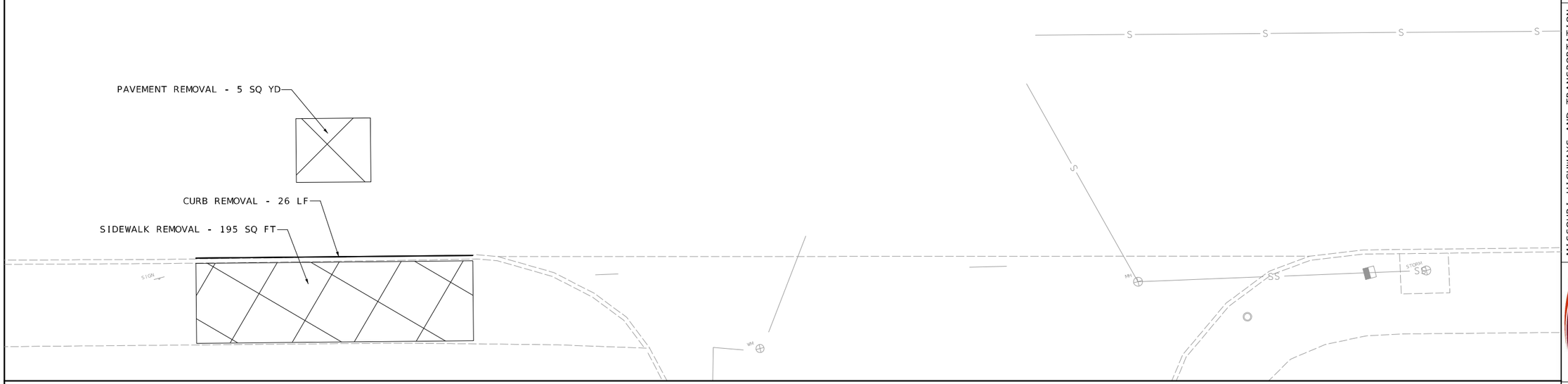
REMOVALS

MEDIAN 99, 100 & 101
CURB RAMP 22 & 23
SIDEWALK 5









NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

SCALE
0 5 10 15

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 146
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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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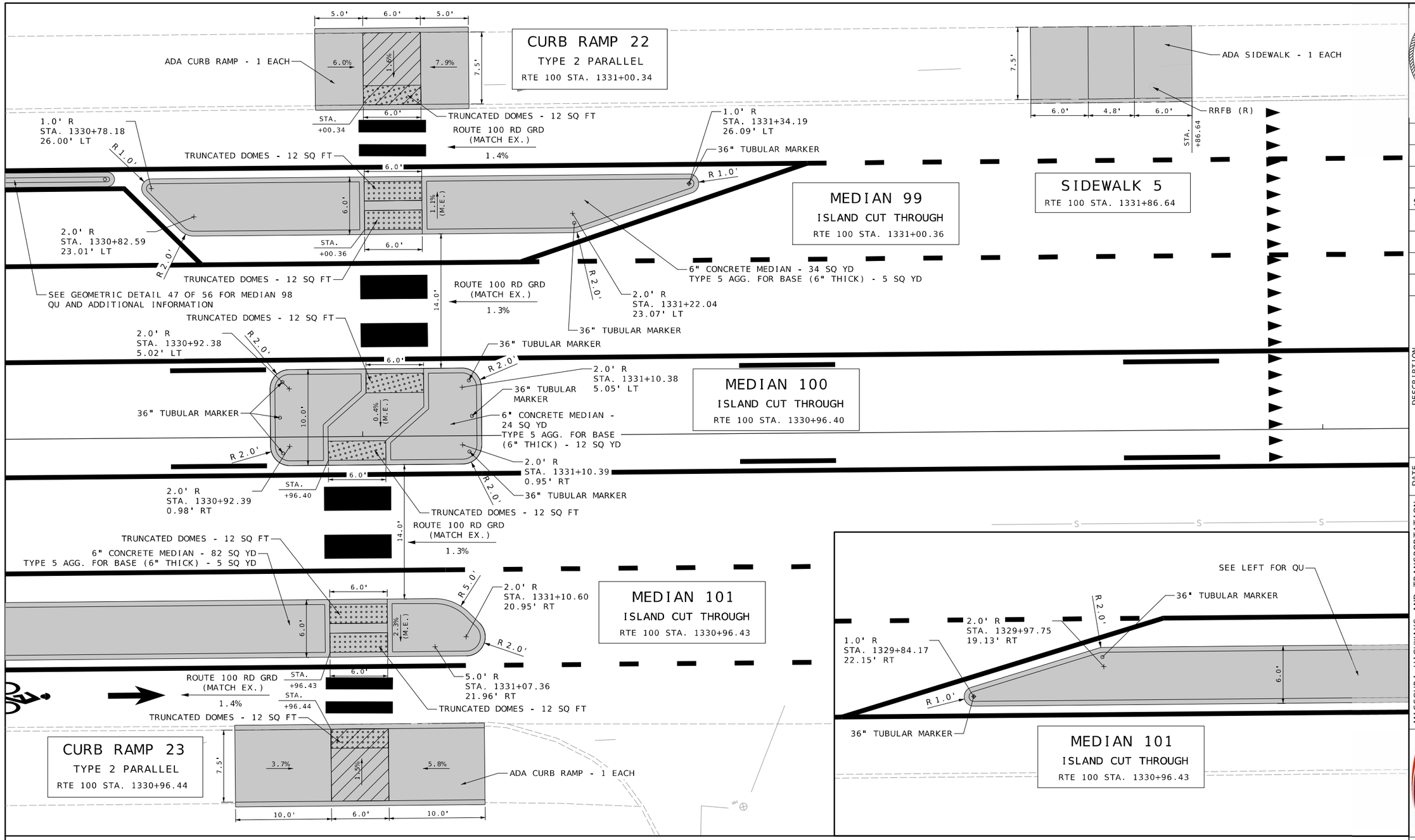
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS
ROUTE 100
SHEET 45 OF 56



NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- RAMP DIRECTION

SCALE 0 5 10 15

GEOMETRIC DETAILS
ROUTE 100
SHEET 46 OF 56

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/26/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 147
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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
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MoDOT

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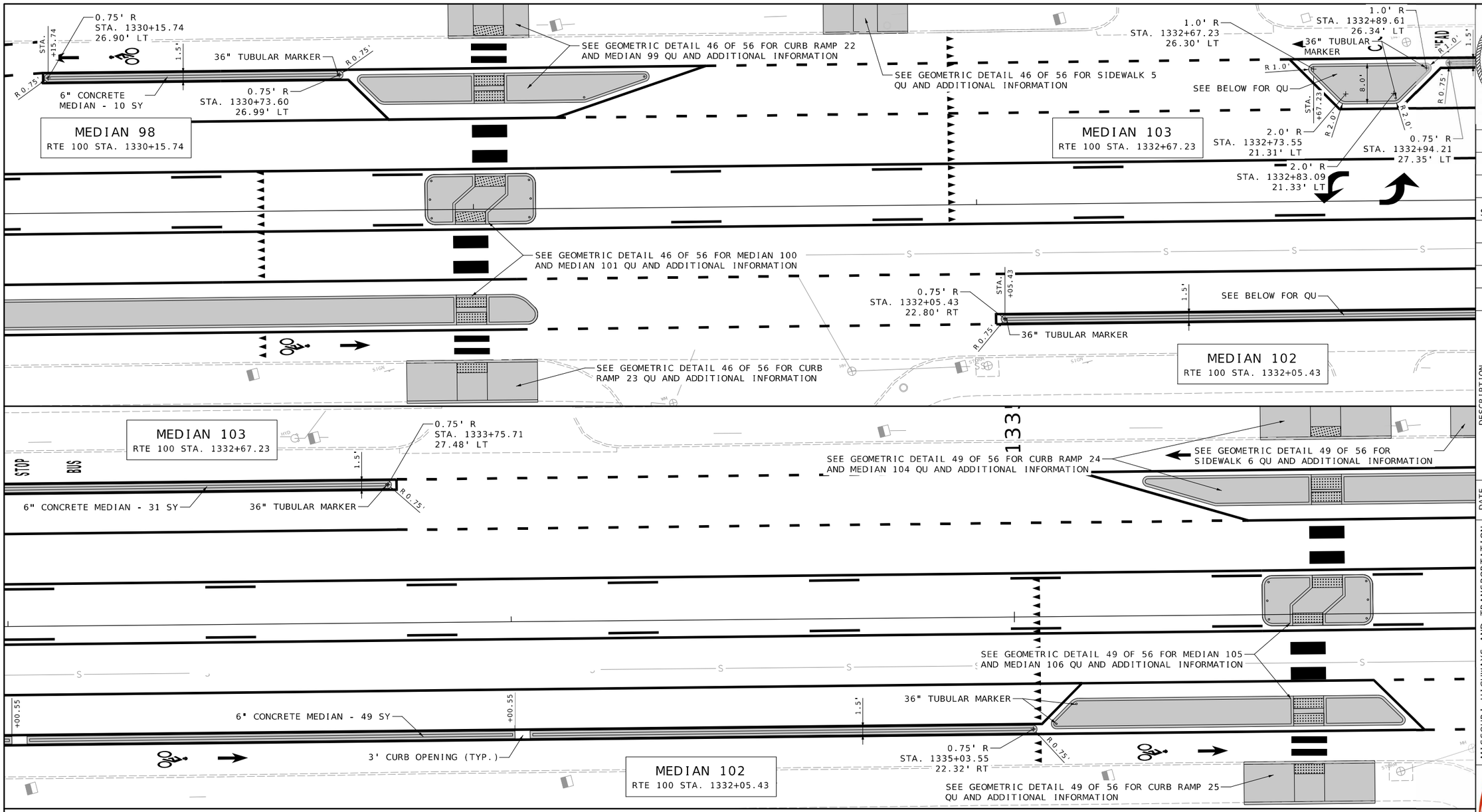

NOTES:

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2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	148

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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

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JEFFERSON CITY, MO 65102
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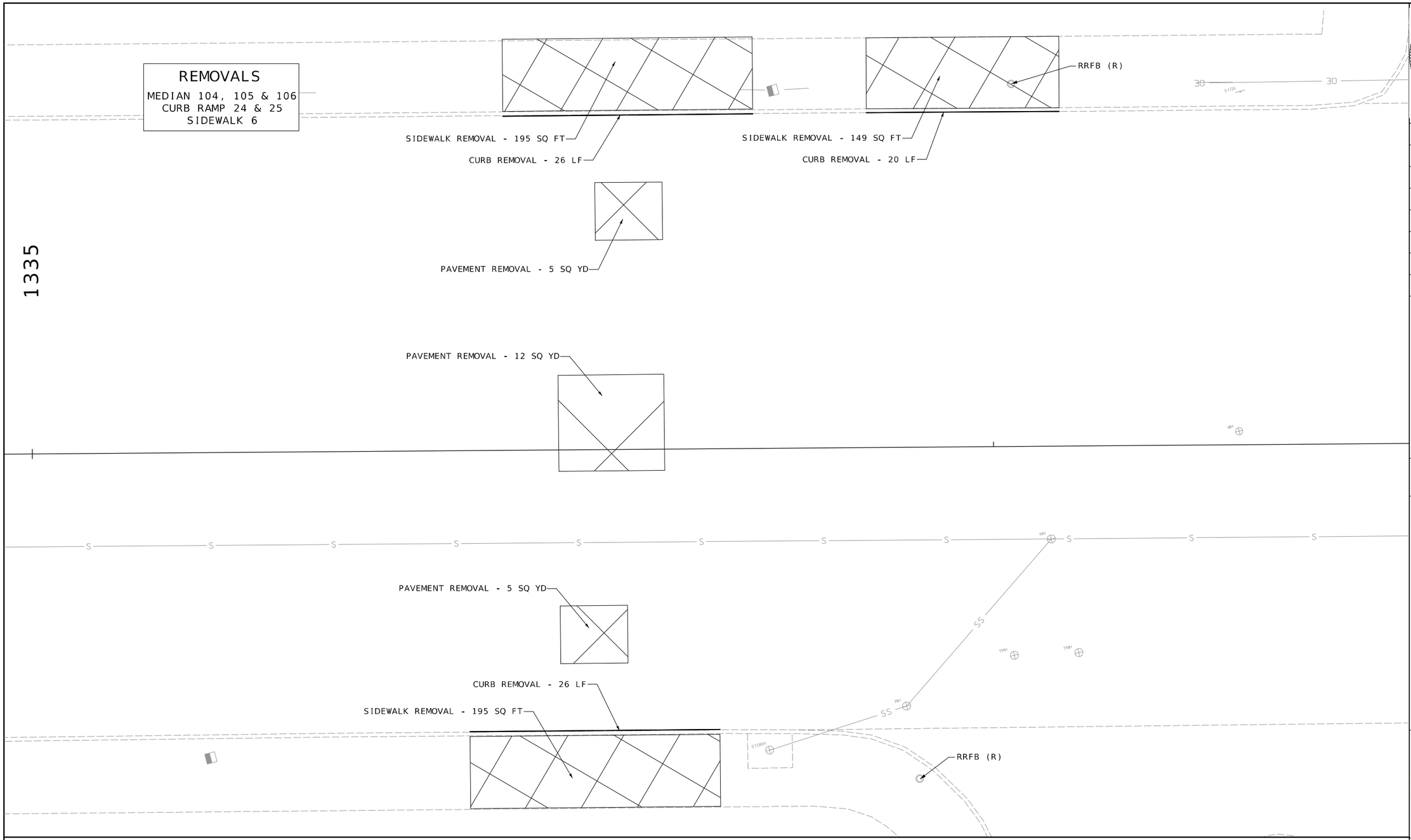
GEOMETRIC DETAILS
ROUTE 100
SHEET 47 OF 56

REMOVALS

MEDIAN 104, 105 & 106
CURB RAMP 24 & 25
SIDEWALK 6

1335



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2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

SCALE
0 5 10 15

GEOMETRIC DETAILS
ROUTE 100
SHEET 48 OF 56

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/26/2025
ROUTE 100 | STATE MO
DISTRICT SL | SHEET NO. 149
COUNTY ST. LOUIS CITY
JOB NO. JSL0073
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
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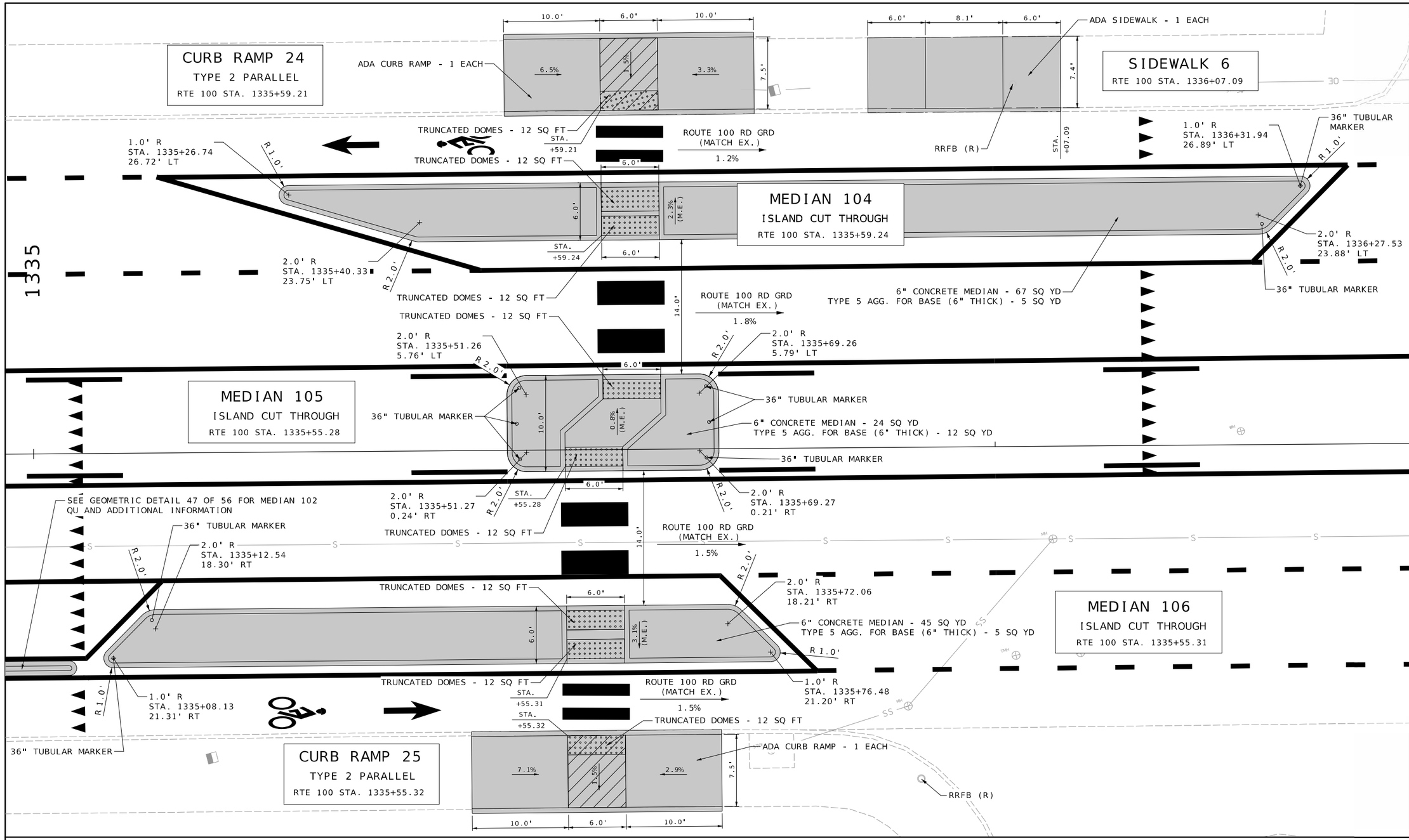

NOTES:

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2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- RAMP DIRECTION

KEVIN M. OSTERMILLER NUMBER PE-2015008160
STATE OF MISSOURI PROFESSIONAL ENGINEER

DATE PREPARED 3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	150

COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DESCRIPTION | DATE

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

TWM ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
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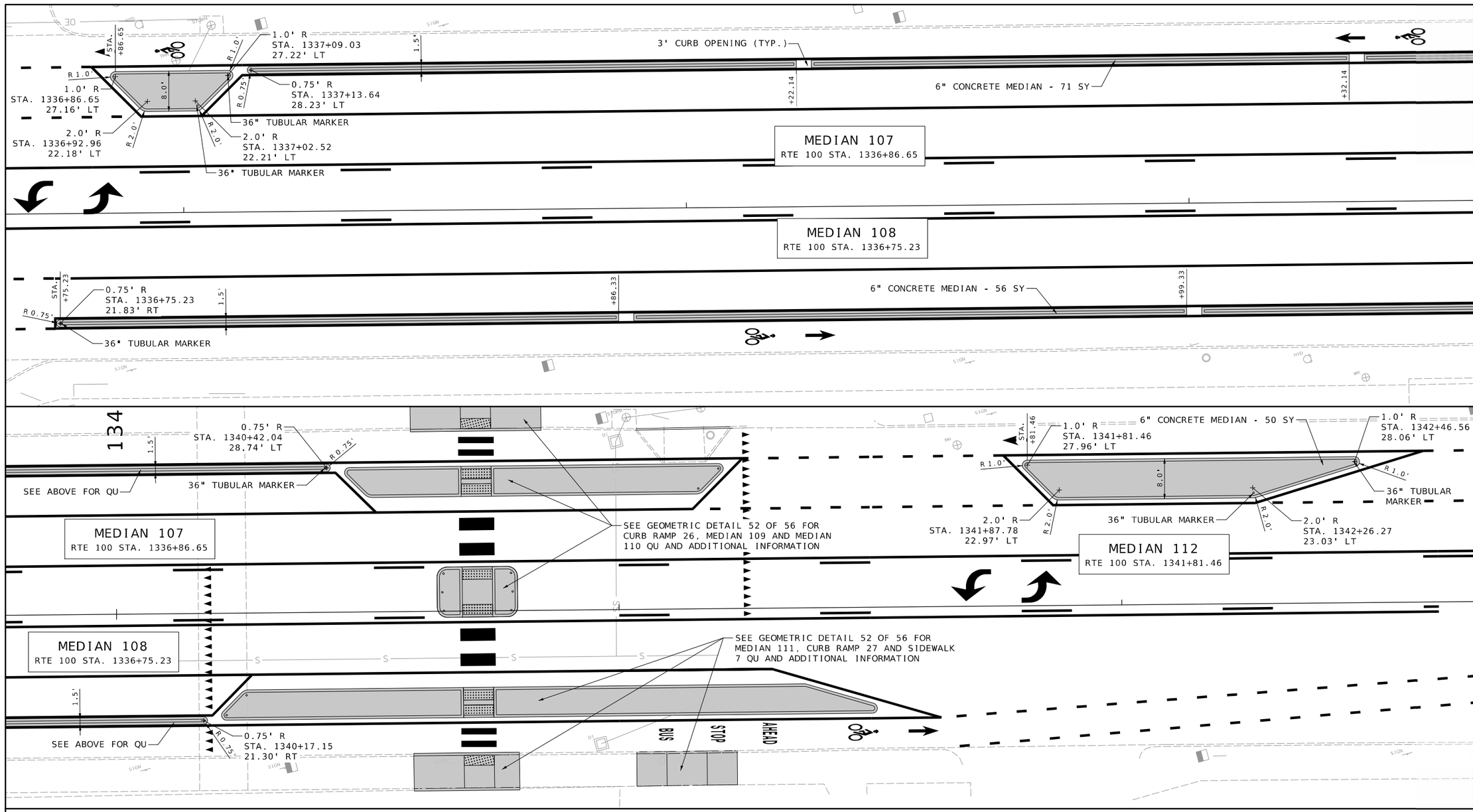
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS
ROUTE 100
SHEET 49 OF 56



NOTES:

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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

KEVIN M. OSTERMILLER
NUMBER PE-2015008160
STATE OF MISSOURI
PROFESSIONAL ENGINEER

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

DATE PREPARED: 3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	151

COUNTY: ST. LOUIS CITY

JOB NO.: JSL0073

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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(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

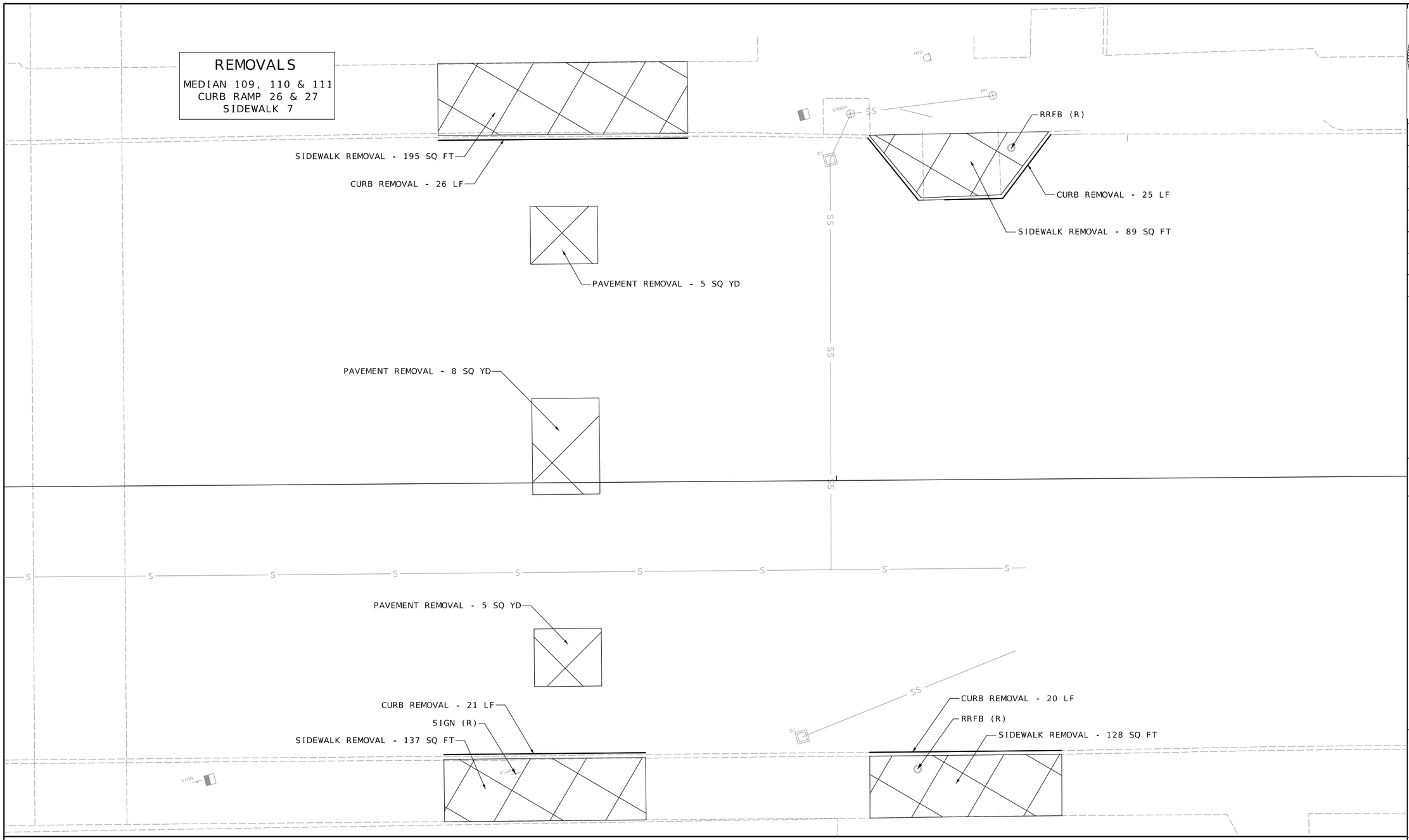
GEOMETRIC DETAILS

ROUTE 100

SHEET 50 OF 56

REMOVALS

MEDIAN 109, 110 & 111
CURB RAMP 26 & 27
SIDEWALK 7



NOTES:

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2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

SCALE
0 5 10 15

GEOMETRIC DETAILS
ROUTE 100
SHEET 51 OF 56

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

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100
STATE: MO
DISTRICT: SL
SHEET NO.: 152
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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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GEOSPATIAL SERVICES
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MISSOURI CERT. OF AUTHORITY: 001528

CURB RAMP 26
TYPE 2 PARALLEL
RTE 100 STA. 1340+68.78

10.0' | 6.0' | 10.0' — 5.3% — 2.5% — 2.2% — 7.5'

ADA CURB RAMP - 1 EACH

TRUNCATED DOMES - 12 SQ FT

STA. +68.78

ROUTE 100 RD GRD (MATCH EX.) 2.1%

FULL DEPTH PAVEMENT REPAIR - 10.1 SQ YD

RRFB (R)

CONC. CURB, TYPE S - 20 FT

1.0' R STA. 1341+19.97 27.86' LT

1.0' R STA. 1340+46.62 27.75' LT

R1.0'

TRUNCATED DOMES - 12 SQ FT

SEE GEOMETRIC DETAIL 50 OF 56 FOR MEDIAN 107 QU AND ADDITIONAL INFORMATION

2.0' R STA. 1340+51.04 24.76' LT

R2.0'

1.4% (M.E.)

6.0'

STA. +68.80

6.0'

36" TUBULAR MARKERS

R2.0'

2.0' R STA. 1341+15.56 24.86' LT

MEDIAN 109
ISLAND CUT THROUGH
RTE 100 STA. 1340+68.80

TRUNCATED DOMES - 12 SQ FT

ROUTE 100 RD GRD (MATCH EX.) 2.5%

14.0'

6" CONCRETE MEDIAN - 48 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 5 SQ YD

TRUNCATED DOMES - 12 SQ FT

2.0' R STA. 1340+65.82 6.78' LT

6.0'

R2.0'

2.0' R STA. 1340+77.82 6.80' LT

R2.0'

MEDIAN 110
ISLAND CUT THROUGH
RTE 100 STA. 1340+68.84

36" TUBULAR MARKER

6" CONCRETE MEDIAN - 17 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 8 SQ YD

10.0'

0.2% (M.E.)

36" TUBULAR MARKER

36" TUBULAR MARKER

R2.0'

STA. +68.84

2.0' R STA. 1340+65.83 0.78' LT

R2.0'

2.0' R STA. 1340+77.83 0.80' LT

TRUNCATED DOMES - 12 SQ FT

14.0'

ROUTE 100 RD GRD (MATCH EX.) 2.3%

6" CONCRETE MEDIAN - 82 SQ YD
TYPE 5 AGG. FOR BASE (6" THICK) - 5 SQ YD

2.0' R STA. 1341+36.59 17.11' RT

36" TUBULAR MARKER

2.0' R STA. 1340+26.10 17.28' RT

R2.0'

TRUNCATED DOMES - 12 SQ FT

6.0'

MEDIAN 111
ISLAND CUT THROUGH
RTE 100 STA. 1340+68.87

2.9% (M.E.)

6.0'

R2.0'

1.0' R STA. 1341+50.18 20.09' RT

R1.0'

R1.0'

36" TUBULAR MARKER

1.0' R STA. 1340+21.70 20.29' RT

STA. +68.87

TRUNCATED DOMES - 12 SQ FT

TRUNCATED DOMES - 12 SQ FT

ROUTE 100 RD GRD (MATCH EX.) 2.5%

STA. +03.24

BUS STOP AHEAD

RRFB (R)

STA. +68.88

SIGN (R)

ADA CURB RAMP - 1 EACH

6.6% — 4.2% — 5.7%

6.5'

ADA SIDEWALK - 1 EACH

6.5'

SIDEWALK 7
RTE 100 STA. 1341+03.24

SEE GEOMETRIC DETAIL 50 OF 56 FOR MEDIAN 108 QU AND ADDITIONAL INFORMATION

10.0' | 6.0' | 5.0'

6.0' | 8.0' | 6.0'

CURB RAMP 27
TYPE 2 PARALLEL
RTE 100 STA. 1340+68.88

SCALE
0 5 10 15

NOTES:
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2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- RAMP DIRECTION

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED 3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	153

COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DESCRIPTION | DATE

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

ENGINEERING GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
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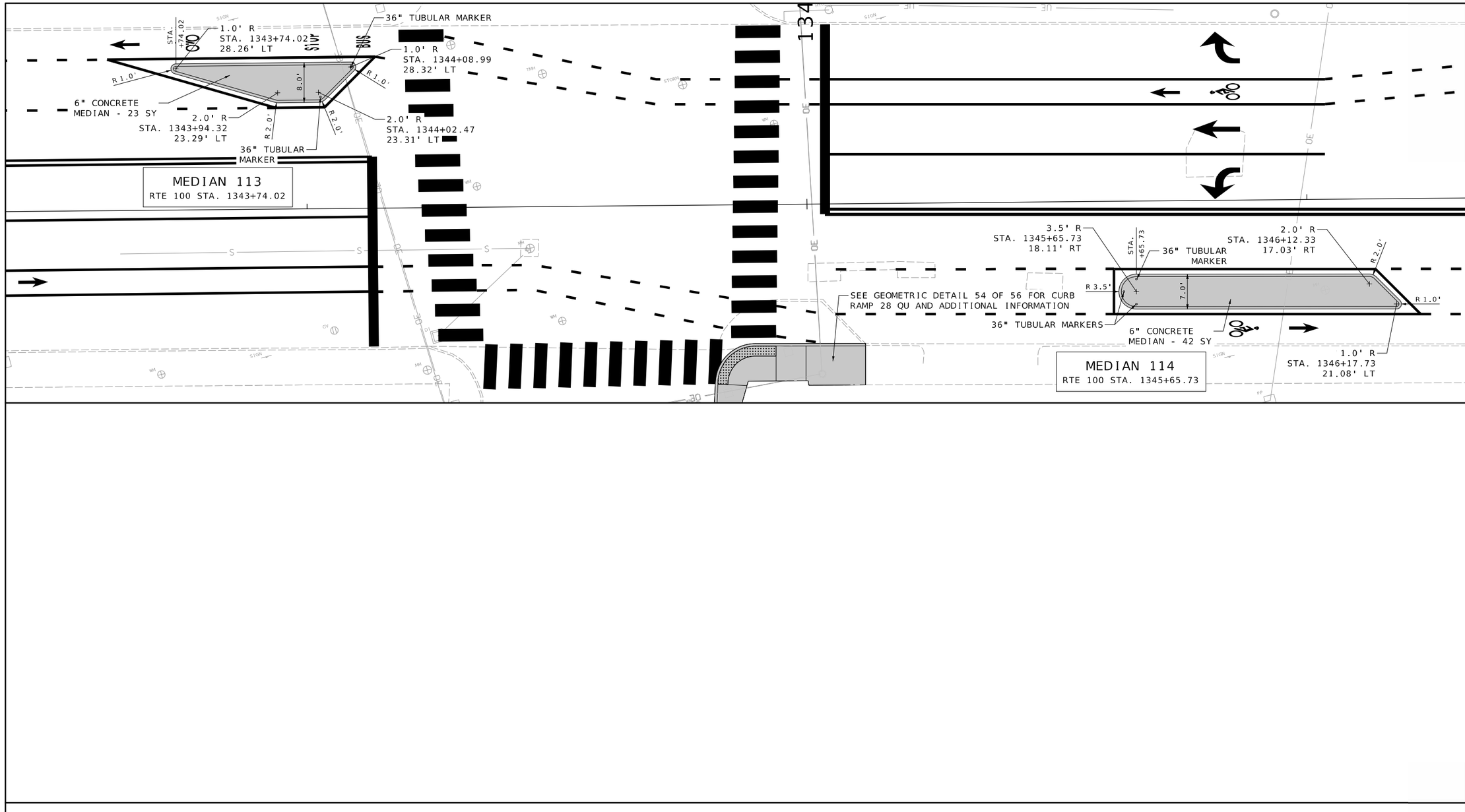
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS
ROUTE 100
SHEET 52 OF 56



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2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	154

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

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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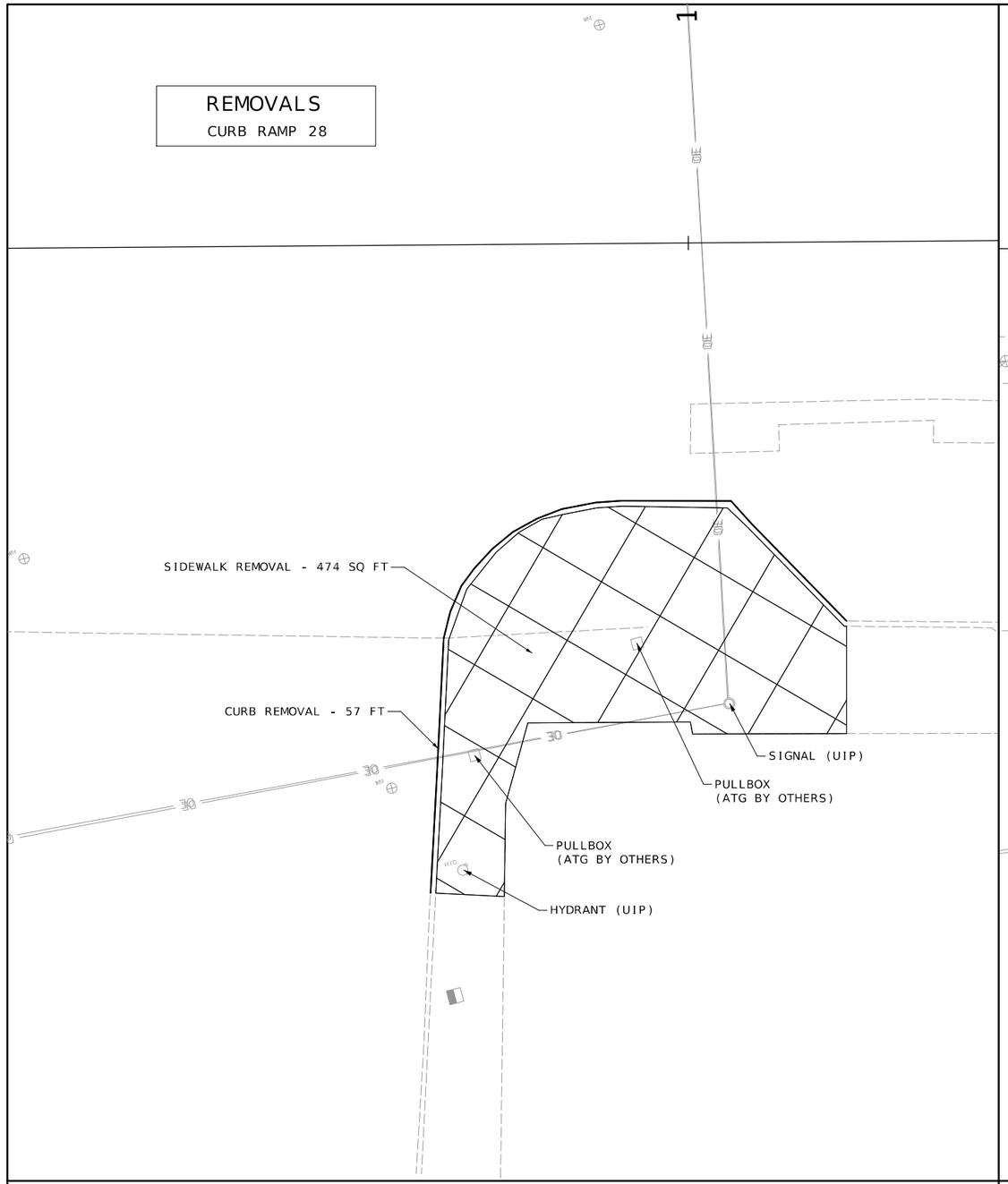
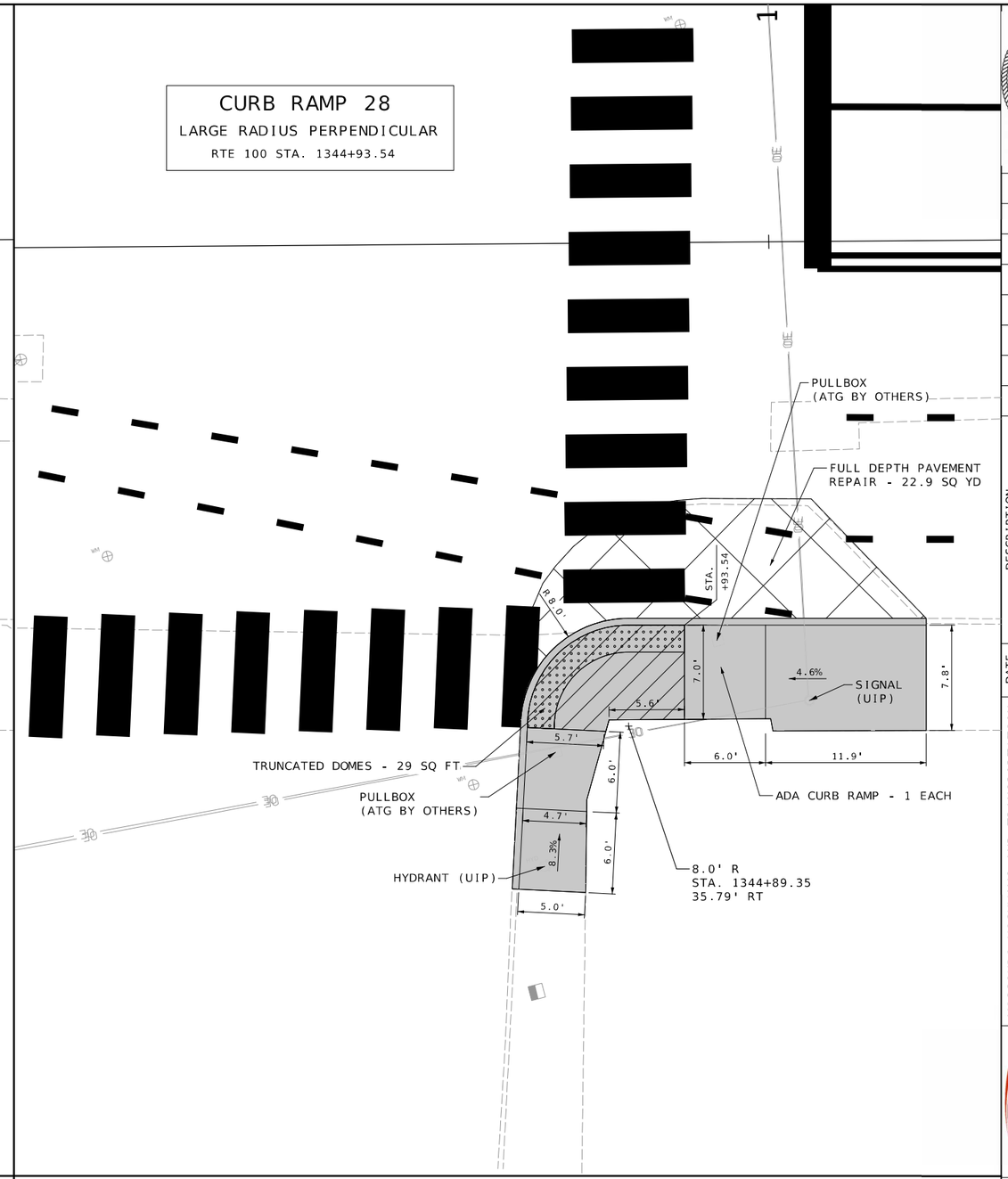
MISSOURI CERT. OF AUTHORITY: 001528

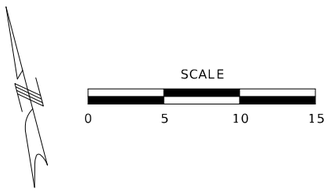
GEOMETRIC DETAILS
ROUTE 100
SHEET 53 OF 56

REMOVALS
CURB RAMP 28



CURB RAMP 28
LARGE RADIUS PERPENDICULAR
RTE 100 STA. 1344+93.54

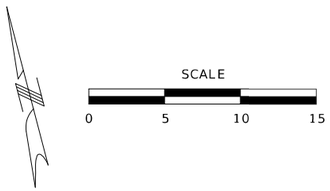




NOTES:
1. ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- RAMP DIRECTION



STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 155
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

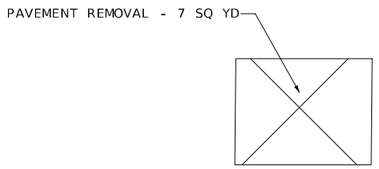
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

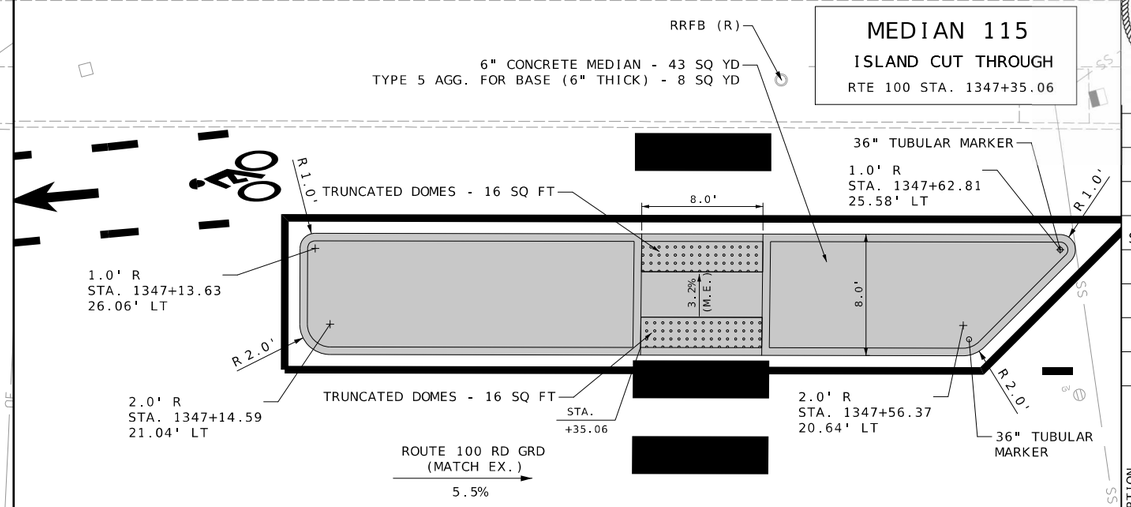
TWM
ENGINEERING
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001538

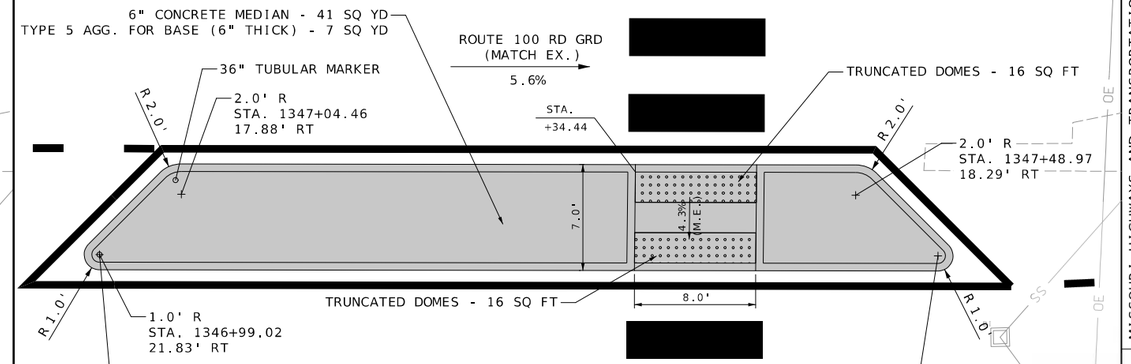
GEOMETRIC DETAILS
ROUTE 100
SHEET 54 OF 56

REMOVALS
MEDIAN 115 & 116

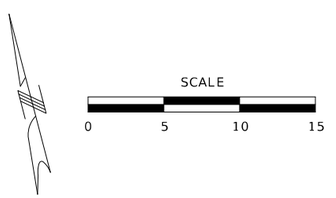


MEDIAN 115
ISLAND CUT THROUGH
RTE 100 STA. 1347+35.06





MEDIAN 116
ISLAND CUT THROUGH
RTE 100 STA. 1347+34.44



NOTES:
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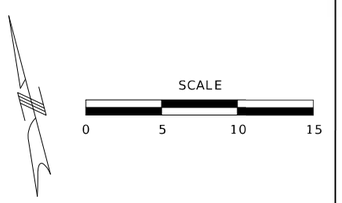
2. REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

- DETECTABLE WARNING SURFACE
- PROPOSED LANDING 2.00% MAX SLOPE (ALL DIRECTIONS)
- SIDEWALK/MEDIAN CURB RAMP, 8.33% MAX. SLOPE
- RAMP DIRECTION



STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	156

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

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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ST. LOUIS, MO 63127
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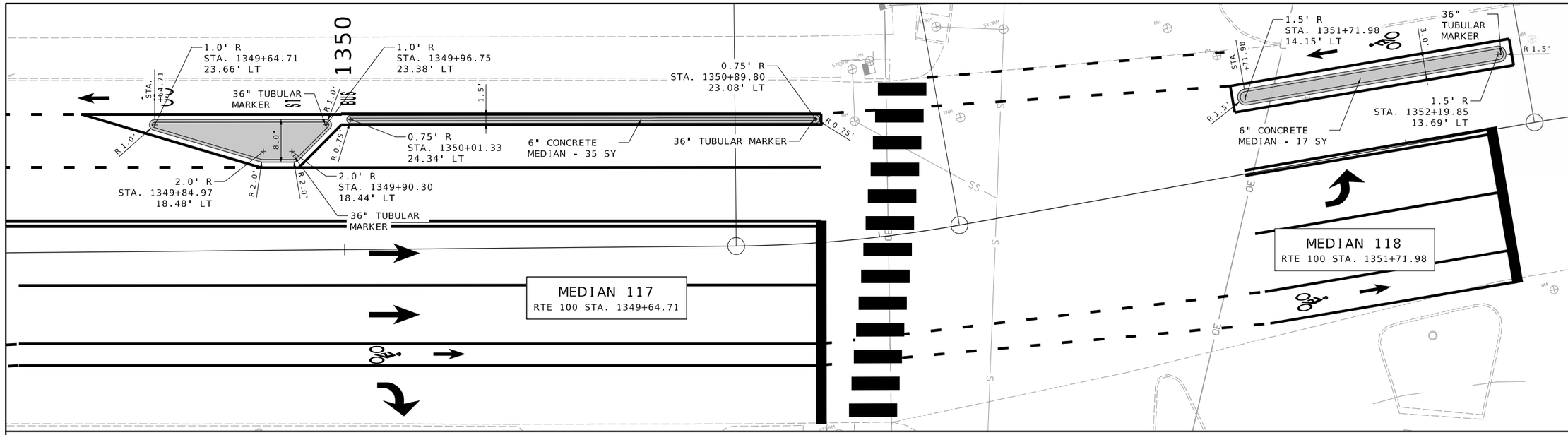
GEOMETRIC DETAILS
ROUTE 100
SHEET 55 OF 56



NOTES:

1.ALL CURBING REQUIRED FOR THE CONSTRUCTION OF CURB RAMPS/ SIDEWALKS/MEDIANS IS INCLUDED IN THE COST OF ADA CURB RAMPS/ADA SIDEWALKS/CONCRETE MEDIAN.
2.REFER TO PLAN SHEETS FOR UTILITY NOTES.

LEGEND

CURB RAMP/SIDEWALK/MEDIAN

SCALE

0 10 20 30

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

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

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	157

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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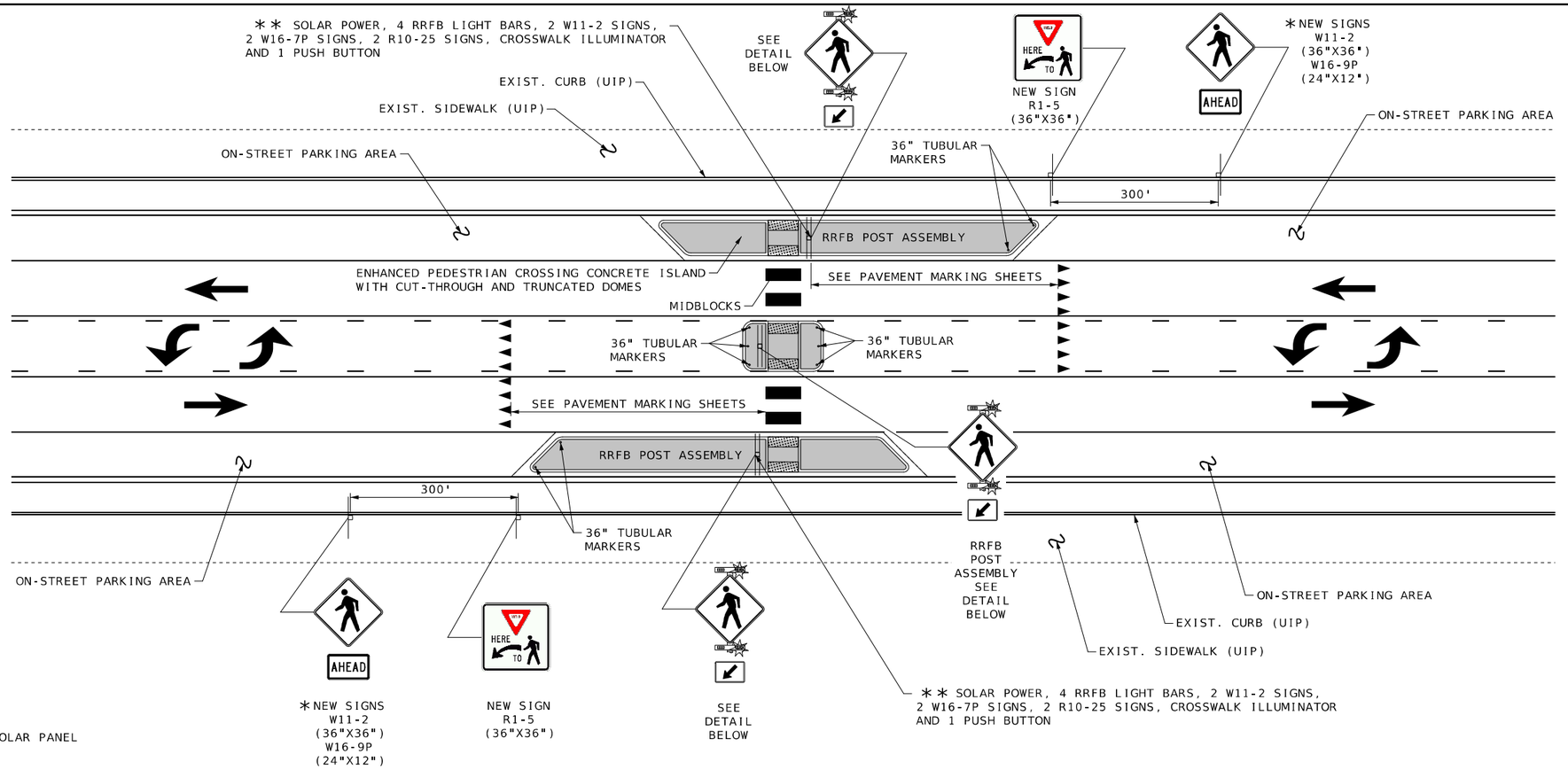
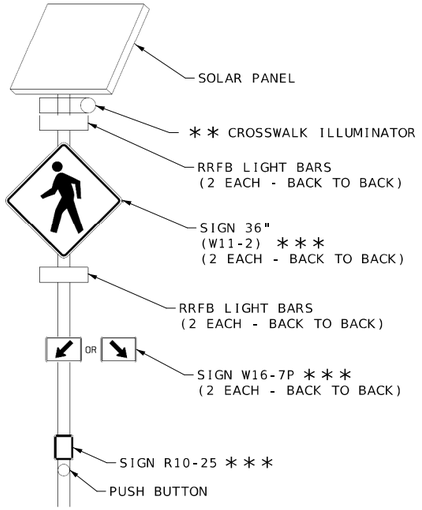
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

GEOMETRIC DETAILS

ROUTE 100

SHEET 56 OF 56





RECTANGULAR RAPID FLASHING BEACON (RRFB) WITH CROSSWALK ILLUMINATOR

USED WITH A TYPE C POST
BASE (STANDARD PLANS 902.30)

PROPOSED SIGNAGE FOR ENHANCED PEDESTRIAN CROSSINGS

NOTE:

ALL NEW RRFB INSTALLATIONS WILL NEED TO BE FIELD VERIFIED BY THE CONTRACTOR, CONSTRUCTION DESIGNEE AND TRAFFIC DESIGNEE, BEFORE INSTALLATION PER THE JSP.

* ACTUAL ADVANCED SIGN LOCATION WILL BE BASED ON FIELD CONDITIONS AND DETERMINED BY THE ENGINEER.

** ILLUMINATOR WILL BE INSTALLED ON ALL RRFB POSTS AND INCLUDED IN THE COST OF RRFB INSTALLATION.

*** INCLUDED IN THE COST OF EACH RECTANGULAR RAPID FLASHING BEACON ASSEMBLY - FRONT & REAR FACING (2 SIDED).

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

STATE OF MISSOURI
KEVIN M. OSTERMILLER NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 158
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
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)

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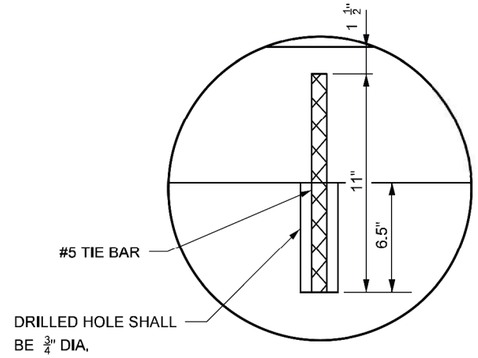
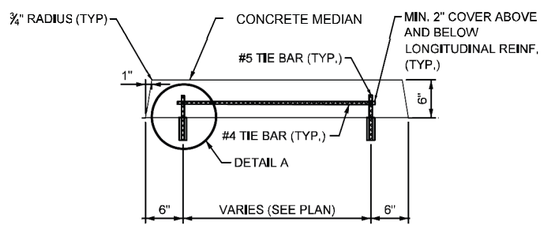
GEOSPATIAL SERVICES
3701 S. LINDBERGH BLVD, SUITE 100
ST. LOUIS, MO 63127
(314) 241-6300
www.twm-inc.com
MISSOURI CERT. OF AUTHORITY: 001528

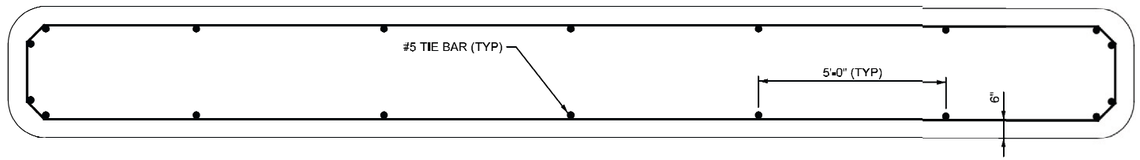
SPECIAL SHEET
ENHANCED PED. X-ING
SHEET 1 OF 1



DETAIL A

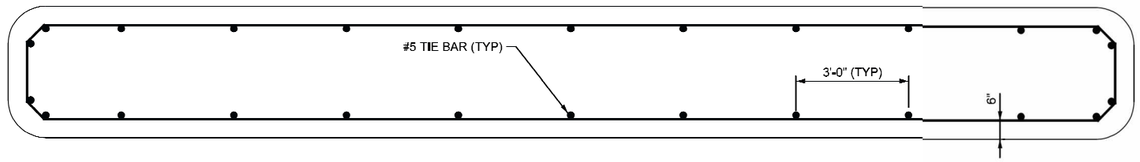


SECTION
CONCRETE MEDIANS



TIE BAR LOCATIONS FOR CONCRETE
MEDIANS GREATER THAN 75 SF

NOTE: SEE PLANS FOR LOCATIONS



TIE BAR LOCATIONS FOR CONCRETE
MEDIANS LESS THAN 75 SF

NOTE: SEE PLANS FOR LOCATIONS

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STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED
3/26/2025

ROUTE	STATE
100	MO
DISTRICT	SHEET NO.
SL	159

COUNTY
ST. LOUIS CITY

JOB NO.
JSL0073

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)

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ST. LOUIS, MO 63127
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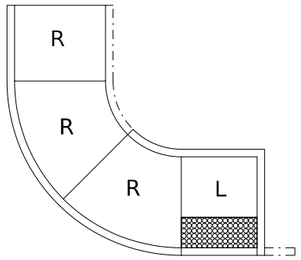
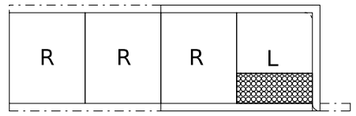
MISSOURI CERT. OF AUTHORITY: 001538

SPECIAL SHEET
CONCRETE MEDIAN
SHEET 1 OF 1

ADA CURB RAMP PAY LIMITS



TYPE 1 PARALLEL



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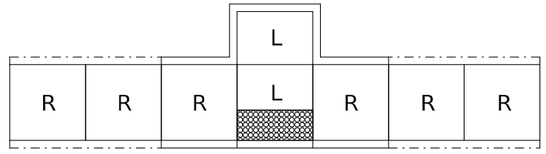

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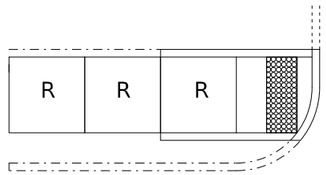
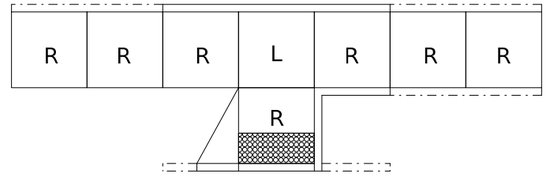
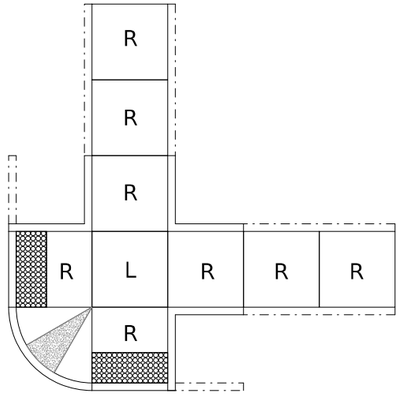


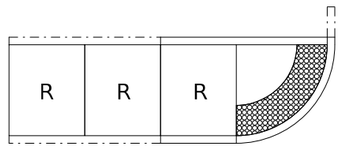
SMALL RADIUS PERPENDICULAR



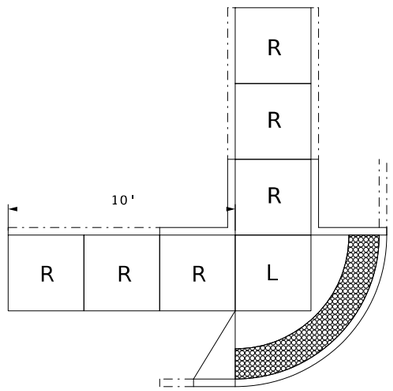
COMPOUND PERPENDICULAR



DUAL PERPENDICULAR
PAY AS 2 EACH



LARGE RADIUS PERPENDICULAR



BLENDED TRANSITION
PAY AS 2 EACH

Notes -
ENTIRE WALKWAY SHALL BE INCLUDED IN ADA CURB RAMP PAY, PER EACH, AS SHOWN.

L - LANDING OR CLEAR AREA FOR TURNING MOVEMENTS AND RESTS.
R - PAY AS RAMP

SEE JSP FOR OTHER INCIDENTALS INCLUDED IN CURB RAMP PAY.
SEE STANDARD PLANS 608 SERIES FOR DIMENTIONS, GRADES, AND OTHER REQUIREMENTS.
CONTRACTOR WILL HAVE OPTION TO CONSTRUCT RAMP WITH FLARE OR CURB FOR CERTAIN RAMPS ABOVE.

STATE OF MISSOURI
KEVIN M. OSTERMILLER
NUMBER PE-2015008160
PROFESSIONAL ENGINEER

DATE PREPARED: 3/26/2025
ROUTE: 100 | STATE: MO
DISTRICT: SL | SHEET NO.: 160
COUNTY: ST. LOUIS CITY
JOB NO.: JSL0073
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

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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MISSOURI CERT. OF AUTHORITY: 001538

SPECIAL SHEET
ADA CURB RAMP
SHEET 1 OF 1