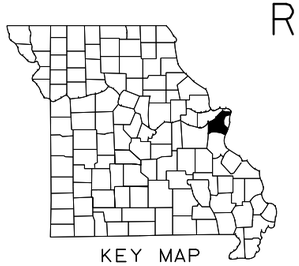
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY

ROUTE 115 PAVEMENT, SIGNAL, & ADA IMPROVEMENT PROJECT
(J6S3417)

ST. LOUIS COUNTY
TOWNSHIP 46 NORTH
RANGE 6 EAST, 5TH PRINCIPAL MERIDIAN
SECTIONS 22,23



KEY MAP
SHOWING LOCATION OF ST. LOUIS COUNTY

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

NOT TO SCALE

* SIGNALS INCLUDE MODIFICATION AT I-170 SB RAMPS AND FULL SIGNAL REPLACEMENT AT SPRINGDALE/I-170 NB RAMPS AND N. HANLEY RD.

STORMWATER MANAGEMENT FUTURE DISTURBANCE NOTICE:

PROJECT DISTURBANCE = 2.4 ACRES
PROJECT RUNOFF DISTURBANCE = +0.16 CFS

NOTES:

1. STORMWATER MANAGEMENT FOR WATER QUALITY FOR THIS PROJECT FALLS UNDER MoDOT JURISDICTION.

PREVAILING WAGE NOTE:

NOTICE TO CONTRACTOR: THIS PROJECT INCLUDES CONSTRUCTION OF GREEN INFRASTRUCTURE OR RELOCATION, ALTERATION, OR RECONSTRUCTION OF EXISTING MSD FACILITIES. IN ACCORDANCE WITH THE MSD GREEN INFRASTRUCTURE PROGRAM AND MSD RESOLUTION 3263, THE DISTRICT REQUIRES THE WAGE RATE TO BE AT LEAST EQUAL TO THE MISSOURI PREVAILING WAGE RATE AT THE TIME OF CONSTRUCTION START. AN AFFIDAVIT CERTIFYING THAT THE MISSOURI PREVAILING WAGE RATE AT THE TIME OF CONSTRUCTION START HAS BEEN PAID FOR ALL WORK RELATED TO GREEN INFRASTRUCTURE OR RELOCATION, ALTERATION, OR RECONSTRUCTION OF EXISTING MSD FACILITIES IS REQUIRED PRIOR TO MSD CONSTRUCTION APPROVAL OF THIS PROJECT.

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THEY SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS

MISSOURI ONE CALL: 1-800-DIG-RITE (1-800-344-7483)

CONTRACTOR'S INSURANCE (OFFSITE):
PRIOR TO OBTAINING A CONSTRUCTION PERMIT FROM THE METROPOLITAN ST. LOUIS SEWER DISTRICT, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE DISTRICT WITH A COPY OF AN EXECUTED CERTIFICATE OF INSURANCE INDICIATING THAT THE PERMITTEE HAS OBTAINED AND WILL CONTINUE TO CARRY COMMERCIAL GENERAL LIABILITY AND COMPREHENSIVE AUTO LIABILITY INSURANCE. THE REQUIREMENTS AND LIMITS SHALL BE AS STATED IN THE RULES AND REGULATIONS AND ENGINEERING DESIGN REQUIREMENTS FOR SANITARY AND STORMWATER DRAINAGE FACILITIES, FEBRUARY 2006, SECTION 10.090.

SUBMITTED: 2/28/2024

DESIGN DESIGNATION

A.A.D.T. - 2024 = 8,764
A.A.D.T. - 2044 = 9,683
D.H.V. = 2058
T = 15.38%
V = 35 M.P.H.
D = 50.82% / 49.18%

FUNCTIONAL CLASSIFICATION - PRINCIPAL ARTERIAL

NORMAL ACCESS RIGHT OF WAY IS TO BE ACQUIRED FOR THIS PROJECT.

THIS PROJECT FALLS UNDER MODOTS TS4 PERMIT. STORMWATER QUALITY IMPACTS HAVE BEEN REVIEWED BY THE MODOT ENVIRONMENTAL GROUP FOR COMPLIANCE WITH THE PERMIT.

PROJECT SPECIFIC INFO

ST LOUIS COUNTY BENCHMARK
9459 NAVD88(SLC2011A) ELEV = 543.41 FT US (OR) 165.633 METERNGVD29 ELEV = 543.78 FT US CUT "L" ON THE SOUTHWEST CORNER OF THE CONCRETE BASE FOR METAL TRAFFIC SIGNAL CONTROL BOX SITUATED NORTH AND WEST OF THE INTERSECTION OF NATURAL BRIDGE ROAD WITH I-170; APPROXIMATELY IN THE NORTHERLY PROLONGATION OF THE EXIT RAMP FROM SOUTHBOUND I-170 TO NATURAL BRIDGE ROAD, IN A GRASSY AREA NORTH OF WESTBOUND NATURAL BRIDGE ROAD, 40 FEET MORE OR LESS WEST (ASSUMED PARALLEL TO NATURAL BRIDGE ROAD) OF THE ELEVATED WESTERN EDGE OF THE I-170 OVERPASS.

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
WESTLAKE SANITARY FORCEMAIN	-FM-	FM
SANITARY SEWER	-S-	S
STORM SEWER	-SS-	SS
GAS	-G-	G
WATER	-W-	W
MANHOLE	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET	DI	
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
DECORATIVE LIGHT POLE		
H-FRAME POWER POLE		
POWER POLE	PP	
GUY WIRE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	-V-	
WOVEN WIRE	-X-	
GATE POST		
BENCHMARK	BM	
TEMPORARY CONSTRUCTION EASEMENT	TCE	
DO NOT DISTURB	(DND)	
REMOVE	(R)	
RELOCATE	(RELOC.)	
ADJUST TO GRADE	(ATG)	
USE IN PLACE	(UIP)	
TO BE ABANDONED	(TBA)	
CURB RAMP AND DOME	CR&D	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (15 SHEETS)	2
QUANTITIES (QU) (26 SHEETS)	3
JOINT REPAIR PLAN SHEETS	4-17
IMPROVEMENTS PROJECT PLAN SHEETS	18-32
RIGHT OF WAY SHEETS (RW)	33-47
REFERENCE POINTS (RP)	48
GEOMETRY & COORDINATE POINTS (CP)	49-54
SPECIAL SHEETS (SS)	55-66
TRAFFIC CONTROL SHEETS (TC)	67-88
EROSION CONTROL SHEETS (EC)	89-100
SIGNING (SN)	101-115
PAVEMENT MARKING (PM)	116-127
SIGNALS (SG)	128-150
LIGHTING & ITS SHEETS	151-166
CULVERT SECTIONS (CS)	167-171
CROSS SECTIONS (XS)	1-36
DRIVEWAY SECTIONS	37-54
STAIR SECTIONS	55-61

LENGTH OF PROJECT

ROUTE 115 - PAVEMENT JOINT REPAIR		
BEGINNING OF PROJECT	STA.	393+03.10
END OF PROJECT	STA.	457+24.07
APPARENT LENGTH		6,420.97 FEET
ROUTE 115 - IMPROVEMENTS		
BEGINNING OF PROJECT	STA.	2+95.95
END OF PROJECT	STA.	59+22.22
APPARENT LENGTH		5,626.27 FEET
BOLBECHER RD		
BEGINNING OF PROJECT	STA.	10+17.07
END OF PROJECT	STA.	21+08.35
APPARENT LENGTH		1,091.28 FEET
EQUATIONS AND EXCEPTIONS:		NONE
TOTAL CORRECTIONS		0 FEET
NET LENGTH OF PROJECT		13,138.52 FEET
STATE LENGTH		2.49 MILES
FOR INFORMATION ONLY		
ESTIMATED DISTURBED ACRES		2.4 ACRES

JENNIFER L. HUBER
NUMBER PE-2022000257
STATE OF MISSOURI
PROFESSIONAL ENGINEER

02/28/2024 11:01:55 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 2/28/2024
ROUTE: 115
STATE: MO
DISTRICT: SL
SHEET NO.: 1
COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

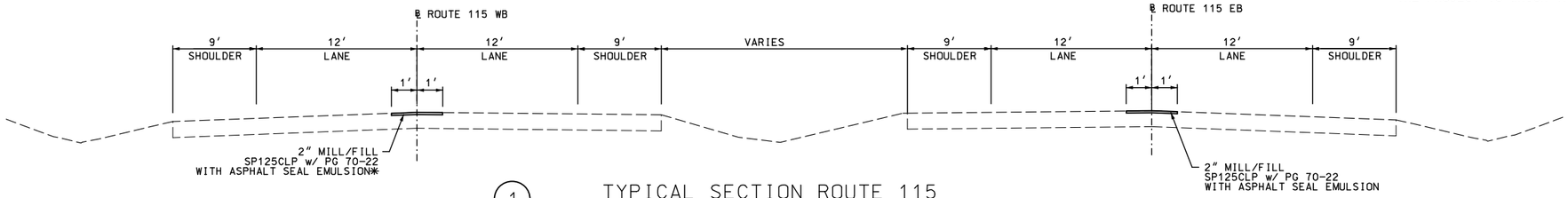
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

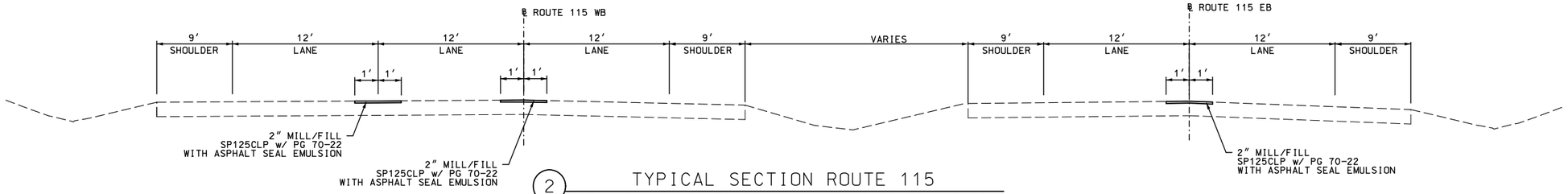
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING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



1 TYPICAL SECTION ROUTE 115

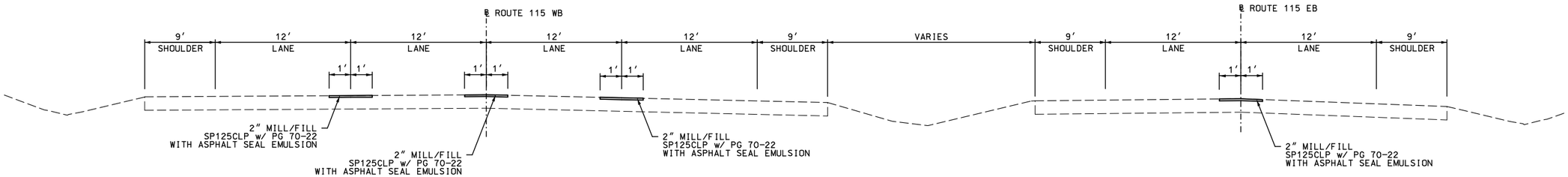
STA. 393+01.03 TO STA. 399+60.51 ROUTE 115 EB
STA. 408+18.42 TO STA. 412+60.58 ROUTE 115 EB
STA. 418+65.83 TO STA. 457+24.07 ROUTE 115 EB
STA. 1+00.00 TO STA. 2+95.95 ROUTE 115

* WB JOINT REPAIR BEGINS AT STA. 397+31.41 ROUTE 115 EB



2 TYPICAL SECTION ROUTE 115

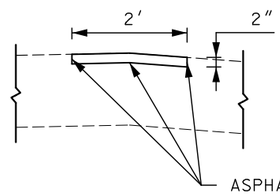
STA. 399+60.51 TO STA. 400+14.60 ROUTE 115 EB
STA. 412+60.58 TO STA. 412+83.69 ROUTE 115 EB
STA. 418+17.66 TO STA. 418+65.83 ROUTE 115 EB



3 TYPICAL SECTION ROUTE 115

STA. 400+14.60 TO STA. 400+34.72 ROUTE 115 EB
STA. 401+11.11 TO STA. 401+78.63 ROUTE 115 EB
STA. 416+84.69 TO STA. 418+17.66 ROUTE 115 EB

ASPHALT EMULSION DETAIL



APPLICATION RATES	
ASPHALTIC CONCRETE MIXTURE (SP125CLP MIX) PG70-22	1.970 TON / CY
ASPHALTIC CONCRETE MIXTURE (SP190C MIX) PG70-22	1.977 TON / CY
BITUMINOUS PAVEMENT MIXTURE (BP-1) PG64-22	1.987 TON / CY
TACK COAT - LOW OR NON-TRACKING	0.1 GAL / SY
ASPHALT SEAL EMULSION	0.2 GAL / SY

ROUTE 115

TYPICAL SECTIONS
1 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257
PROFESSIONAL ENGINEER — STATE OF MISSOURI
02/28/2024 11:02:02 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 2/28/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 2
COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

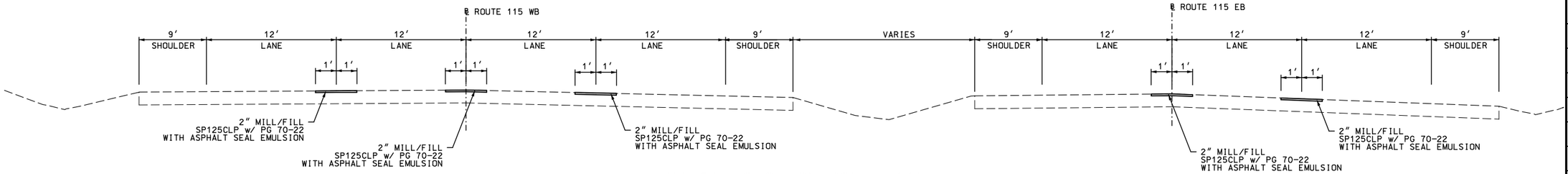
DESCRIPTION | DATE | REV.

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)

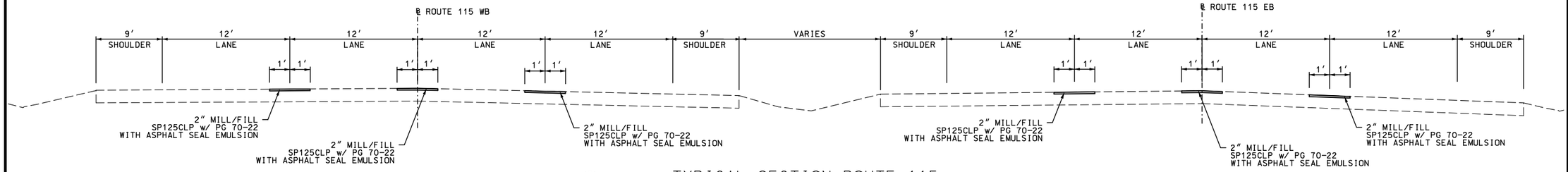
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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.



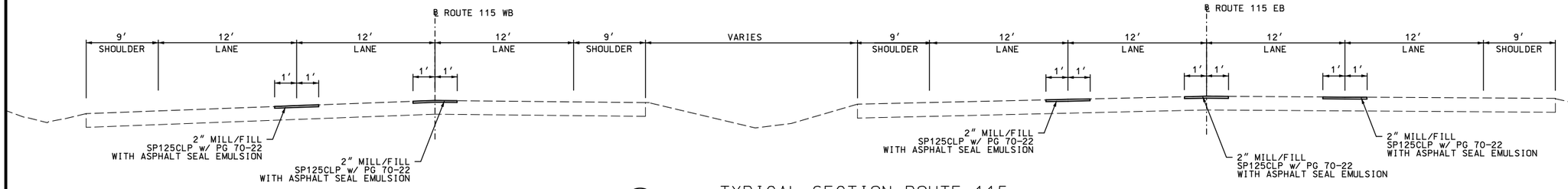
4 TYPICAL SECTION ROUTE 115

STA. 401+78.63 TO STA. 403+08.61 ROUTE 115 EB
STA. 416+47.23 TO STA. 416+84.69 ROUTE 115 EB



5 TYPICAL SECTION ROUTE 115

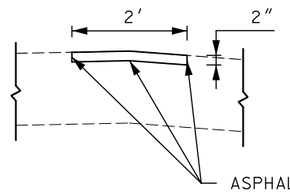
STA. 400+34.72 TO STA. 400+70.26 ROUTE 115 EB
STA. 403+08.61 TO STA. 403+58.49 ROUTE 115 EB
STA. 414+40.07 TO STA. 414+91.17 ROUTE 115 EB
STA. 415+23.37 TO STA. 416+47.23 ROUTE 115 EB



6 TYPICAL SECTION ROUTE 115

STA. 400+70.26 TO STA. 400+99.57 ROUTE 115 EB
STA. 403+58.49 TO STA. 404+19.35 ROUTE 115 EB
STA. 413+29.30 TO STA. 414+40.07 ROUTE 115 EB
STA. 414+91.17 TO STA. 415+23.37 ROUTE 115 EB

ASPHALT EMULSION DETAIL



JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI · PROFESSIONAL ENGINEER
02/28/2024 11:02:02 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 2/28/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 2
COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

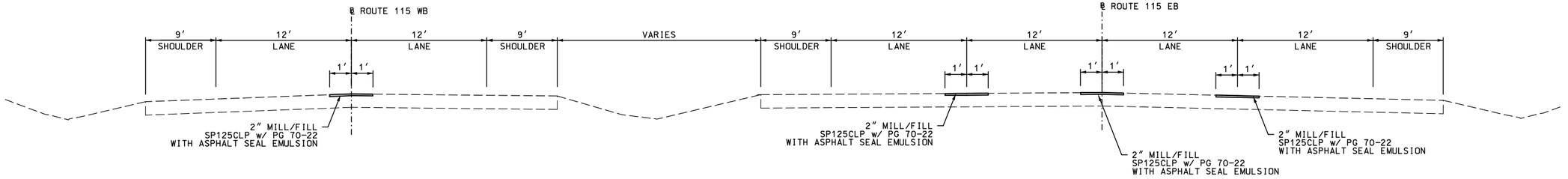
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

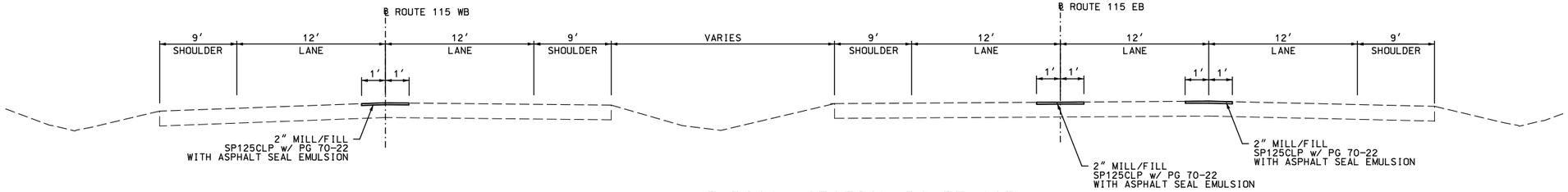
TYPICAL SECTIONS
2 OF 15

REV.



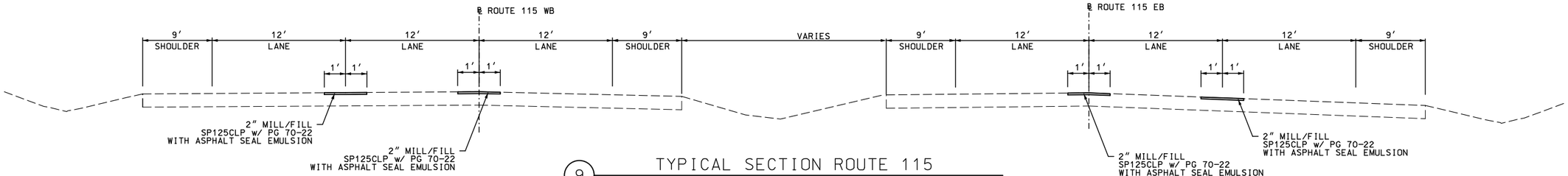
7 TYPICAL SECTION ROUTE 115

STA. 404+19.35 TO STA. 405+18.34 ROUTE 115 EB



8 TYPICAL SECTION ROUTE 115

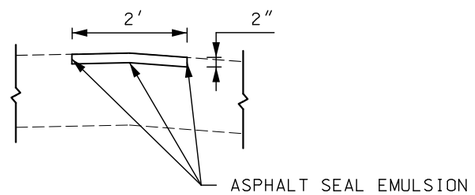
STA. 405+18.34 TO STA. 408+18.42 ROUTE 115 EB



9 TYPICAL SECTION ROUTE 115

STA. 400+99.57 TO STA. 401+11.11 ROUTE 115 EB
STA. 412+83.69 TO STA. 413+29.30 ROUTE 115 EB

ASPHALT EMULSION DETAIL



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.

ROUTE 115

TYPICAL SECTIONS
3 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

02/28/2024 11:02:02 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 2/28/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 2
COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

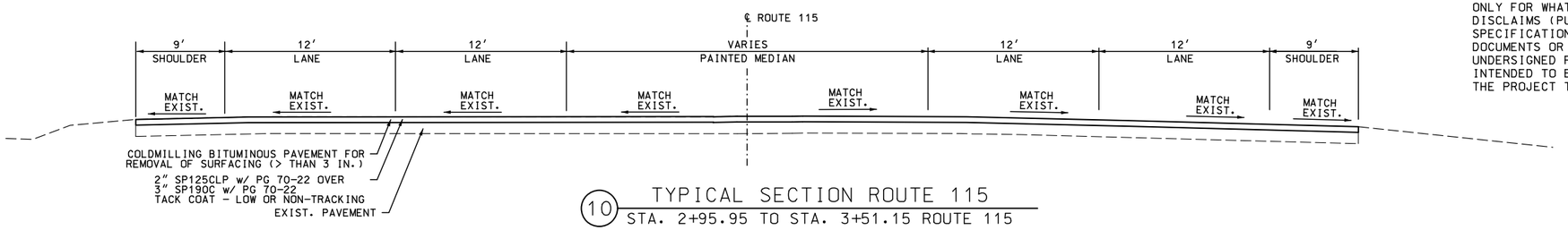
DESCRIPTION | DATE | REV.

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

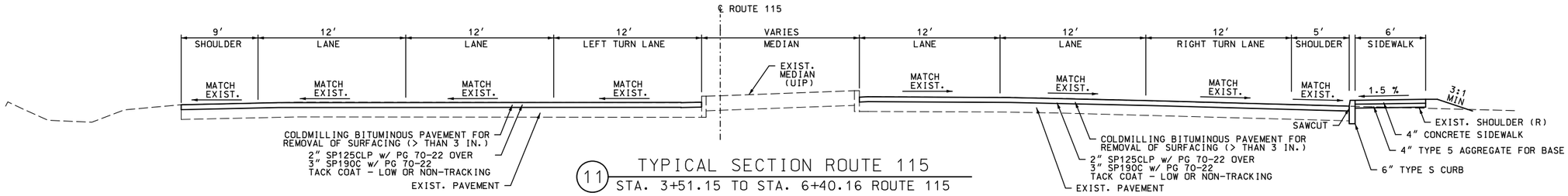
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

© Copyright CMT, Inc.
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

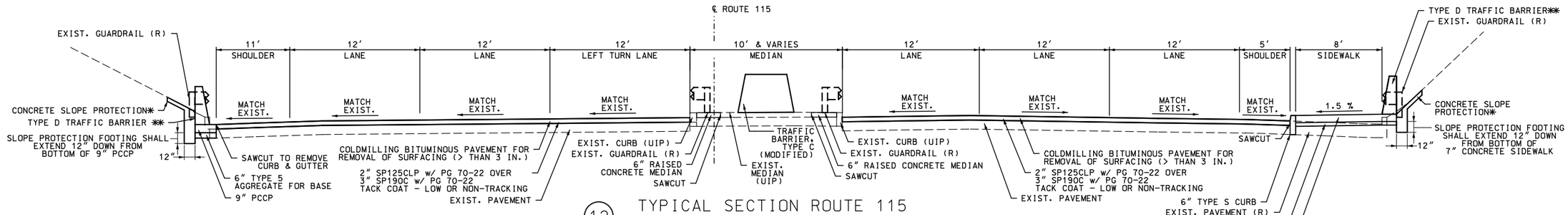
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING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



10 TYPICAL SECTION ROUTE 115
STA. 2+95.95 TO STA. 3+51.15 ROUTE 115



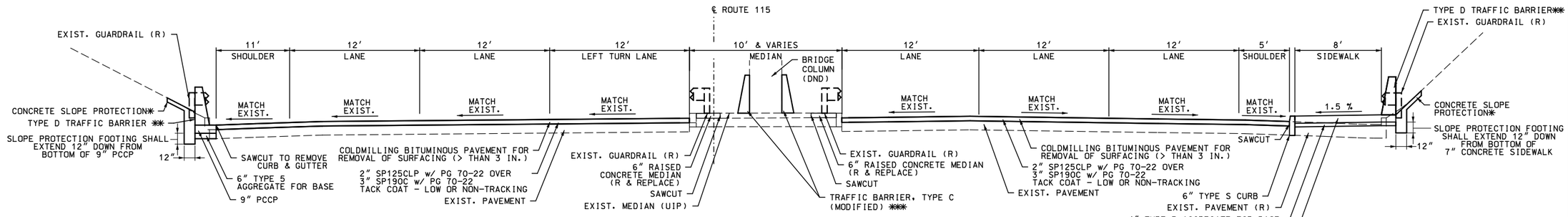
11 TYPICAL SECTION ROUTE 115
STA. 3+51.15 TO STA. 6+40.16 ROUTE 115



12 TYPICAL SECTION ROUTE 115
STA. 6+40.16 TO STA. 7+05.44 ROUTE 115
STA. 9+08.63 TO STA. 9+79.46 ROUTE 115

✳ CONCRETE SLOPE PROTECTION FROM STA. 6+41.01 TO STA. 8+60.65 LT
CONCRETE SLOPE PROTECTION FROM STA. 7+62.00 TO STA. 9+76.17 RT

✳✳ INCLUDE PERFORARTIONS AS DIRECTED BY THE ENGINEER IN THE TYPE D TRAFFIC BARRIER NEAR EXISTING BRIDGE DRAINAGE PIPE OUTLETS (COST IS INCLUDED IN TYPE D BARRIER)



13 TYPICAL SECTION ROUTE 115
STA. 7+05.44 TO STA. 9+08.63 ROUTE 115

✳ CONCRETE SLOPE PROTECTION FROM STA. 6+41.01 TO STA. 8+60.65 LT
CONCRETE SLOPE PROTECTION FROM STA. 7+62.00 TO STA. 9+76.17 RT

✳✳ INCLUDE PERFORARTIONS AS DIRECTED BY THE ENGINEER IN THE TYPE D TRAFFIC BARRIER NEAR EXISTING BRIDGE DRAINAGE PIPE OUTLETS (COST IS INCLUDED IN TYPE D BARRIER)

✳✳✳ TRAFFIC BARRIER, TYPE C (MODIFIED) SEE SPECIAL SHEET 10 FOR DETAILS.

STATE OF MISSOURI · JENNIFER L. HUBER · NUMBER PE-2022000257 · PROFESSIONAL ENGINEER
01/25/2024 11:00:36 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 1/25/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 2
COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

REV.	DESCRIPTION	DATE

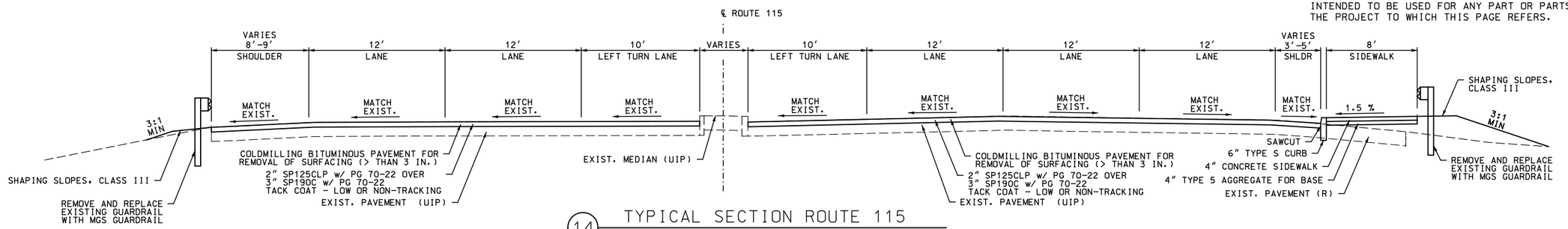
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

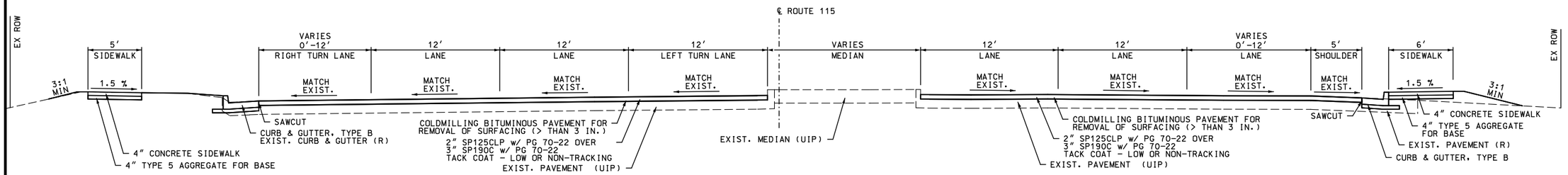
ROUTE 115

TYPICAL SECTIONS
4 OF 15

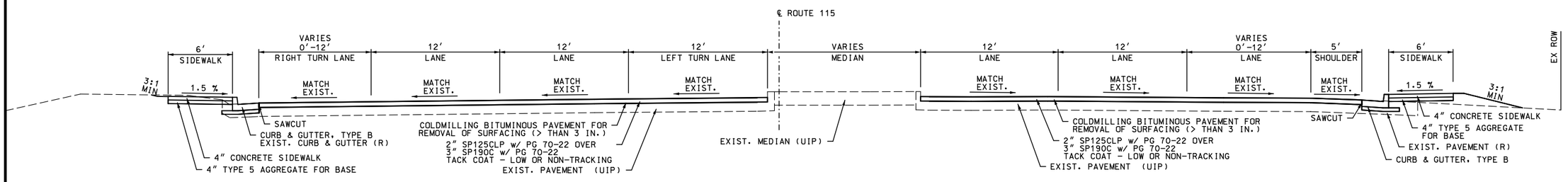
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING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



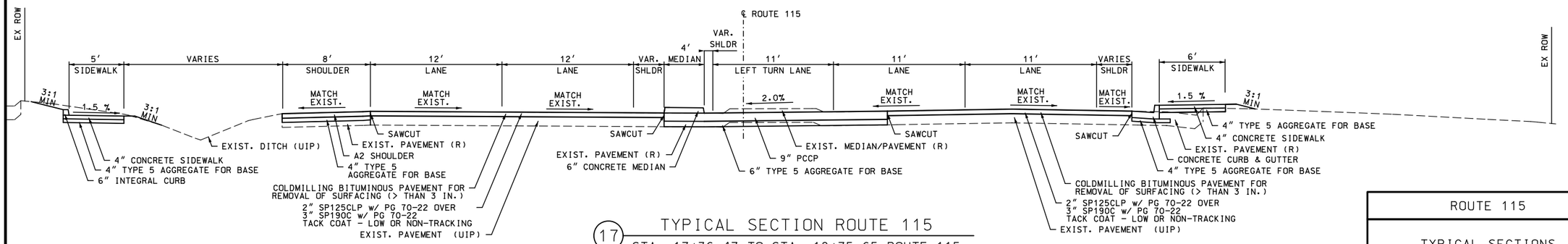
14 TYPICAL SECTION ROUTE 115
STA. 9+79.46 TO STA. 13+91.14 ROUTE 115



15 TYPICAL SECTION ROUTE 115
STA. 13+91.14 TO STA. 16+74.13 ROUTE 115



16 TYPICAL SECTION ROUTE 115
STA. 16+74.13 TO STA. 17+36.47 ROUTE 115



17 TYPICAL SECTION ROUTE 115
STA. 17+36.47 TO STA. 18+75.65 ROUTE 115

ROUTE 115

TYPICAL SECTIONS
5 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI PROFESSIONAL ENGINEER
03/06/2024 2:46:06 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	2

COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

DESCRIPTION	DATE

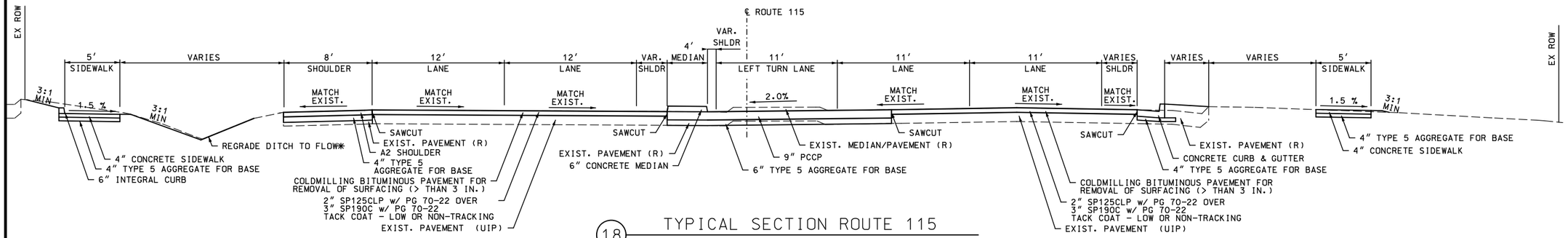
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

© Copyright CMT, Inc.

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

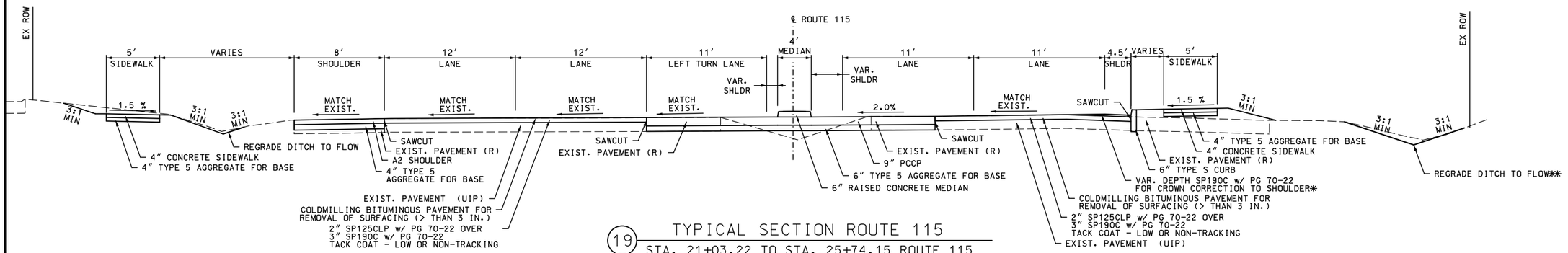
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING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



✳ DITCH REGRADING BEGINS STA. 19+95.17

(18) TYPICAL SECTION ROUTE 115

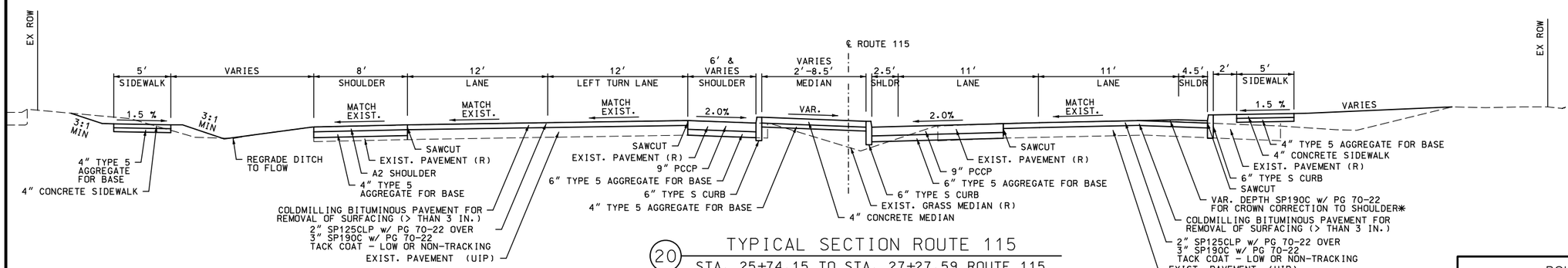
STA. 18+75.65 TO STA. 21+03.22 ROUTE 115
PAVEMENT WIDENING - CONCRETE OPTION
SEE TYPICAL SECTION 33 FOR ASPHALT OPTION



(19) TYPICAL SECTION ROUTE 115

STA. 21+03.22 TO STA. 25+74.15 ROUTE 115
PAVEMENT WIDENING - CONCRETE OPTION
SEE TYPICAL SECTION 34 FOR ASPHALT OPTION

✳ SEE CROWN CORRECTION DETAIL 1
✳✳ REGRADE DITCH TO FLOW FROM STA. 24+68.78 TO STA. 25+74.15 RT



(20) TYPICAL SECTION ROUTE 115

STA. 25+74.15 TO STA. 27+27.59 ROUTE 115
PAVEMENT WIDENING - CONCRETE OPTION
SEE TYPICAL SECTION 35 FOR ASPHALT OPTION

✳ SEE CROWN CORRECTION DETAIL 1

ROUTE 115

TYPICAL SECTIONS
6 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI PROFESSIONAL ENGINEER
03/06/2024 2:46:11 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	2

COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

DESCRIPTION	DATE

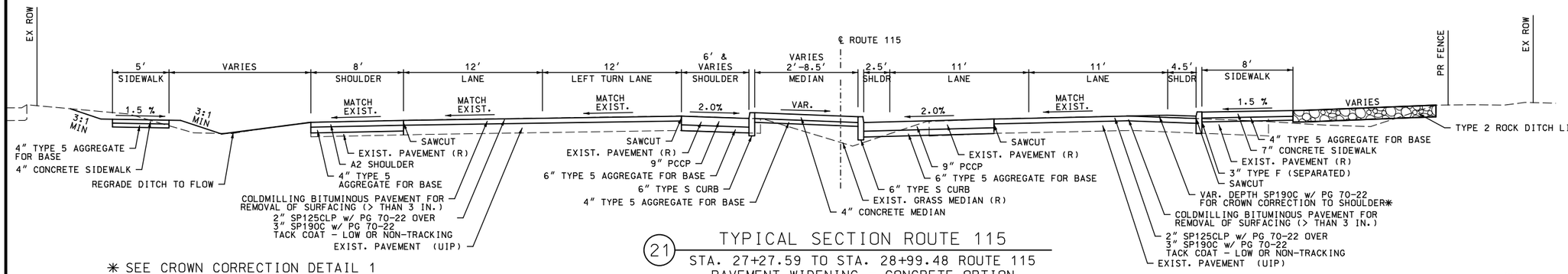
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

© Copyright CMT, Inc.

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

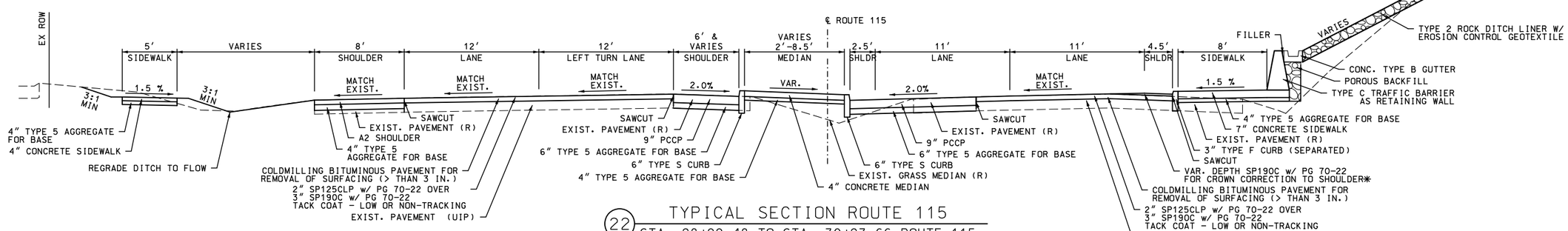
REV.

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.



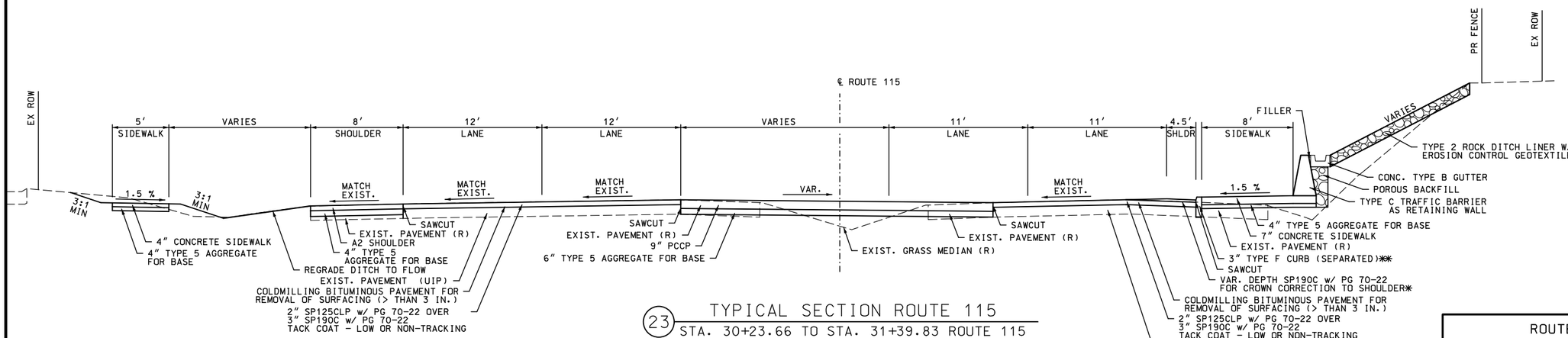
21 TYPICAL SECTION ROUTE 115
STA. 27+27.59 TO STA. 28+99.48 ROUTE 115
PAVEMENT WIDENING - CONCRETE OPTION
SEE TYPICAL SECTION 36 FOR ASPHALT OPTION

✳ SEE CROWN CORRECTION DETAIL 1



22 TYPICAL SECTION ROUTE 115
STA. 28+99.48 TO STA. 30+23.66 ROUTE 115
PAVEMENT WIDENING - CONCRETE OPTION
SEE TYPICAL SECTION 37 FOR ASPHALT OPTION

✳ SEE CROWN CORRECTION DETAIL 1



23 TYPICAL SECTION ROUTE 115
STA. 30+23.66 TO STA. 31+39.83 ROUTE 115
PAVEMENT WIDENING - CONCRETE OPTION
SEE TYPICAL SECTION 38 FOR ASPHALT OPTION

✳ SEE CROWN CORRECTION DETAIL 1
✳✳ TRANSITION TO TYPE 6″ TYPE S CURB FROM STA. 30+19.31 TO STA. 30+93.29

ROUTE 115

TYPICAL SECTIONS
7 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI PROFESSIONAL ENGINEER
03/06/2024 2:46:11 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 3/6/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 2
COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

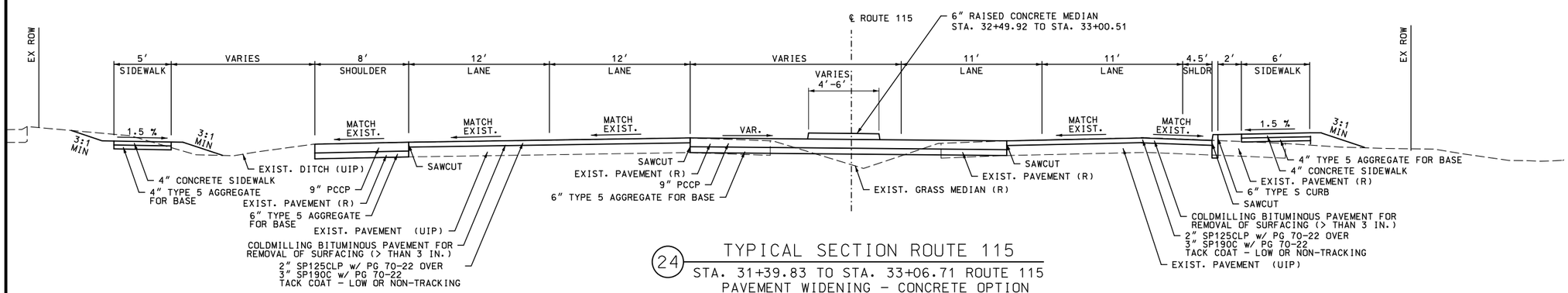
DESCRIPTION | DATE | NO. | REV.

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

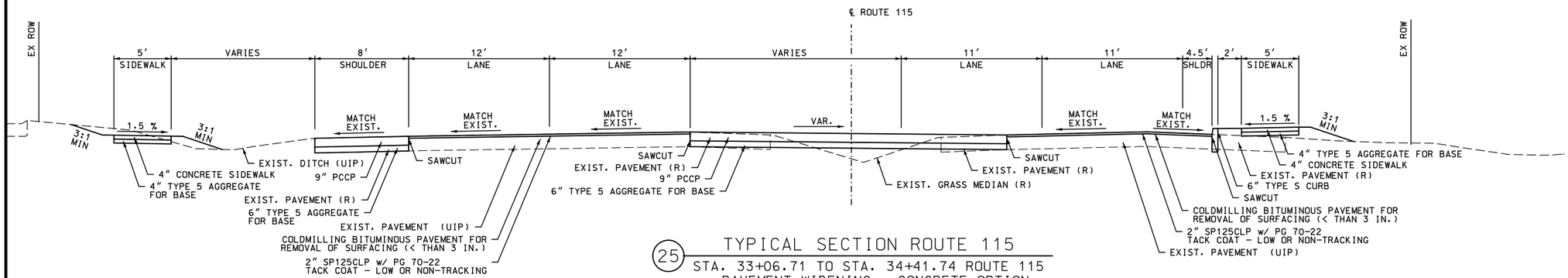
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

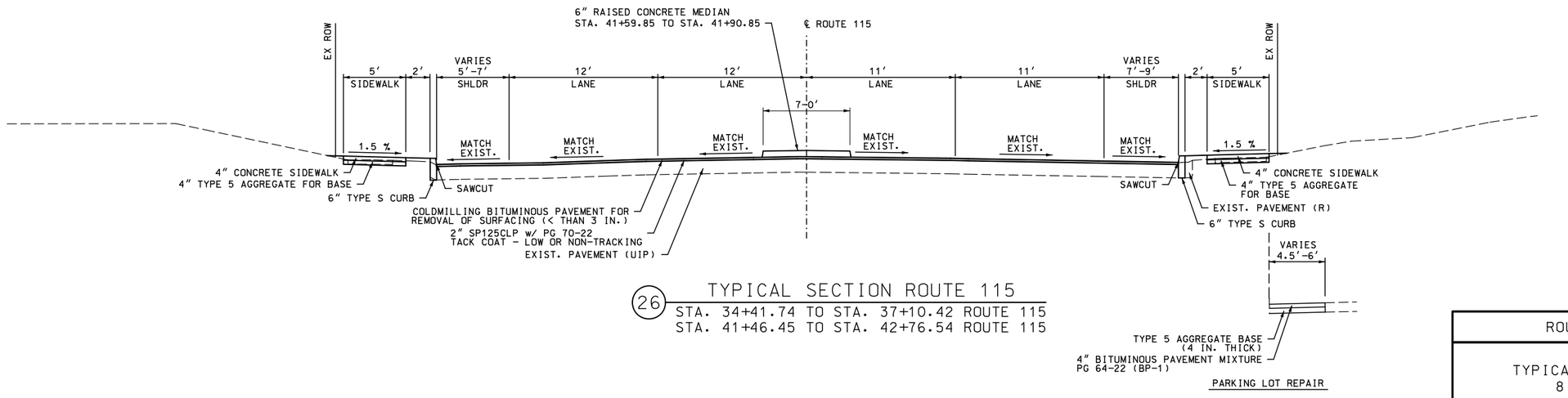
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING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



24 TYPICAL SECTION ROUTE 115
STA. 31+39.83 TO STA. 33+06.71 ROUTE 115
PAVEMENT WIDENING - CONCRETE OPTION
SEE TYPICAL SECTION 39 FOR ASPHALT OPTION



25 TYPICAL SECTION ROUTE 115
STA. 33+06.71 TO STA. 34+41.74 ROUTE 115
PAVEMENT WIDENING - CONCRETE OPTION
SEE TYPICAL SECTION 40 FOR ASPHALT OPTION



26 TYPICAL SECTION ROUTE 115
STA. 34+41.74 TO STA. 37+10.42 ROUTE 115
STA. 41+46.45 TO STA. 42+76.54 ROUTE 115

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI PROFESSIONAL ENGINEER
03/06/2024 2:46:11 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	2

COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

DESCRIPTION | DATE | REV.

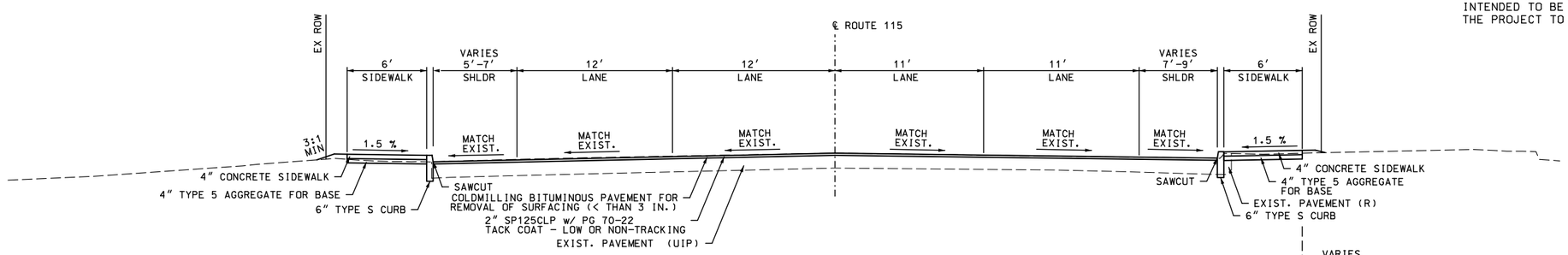
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

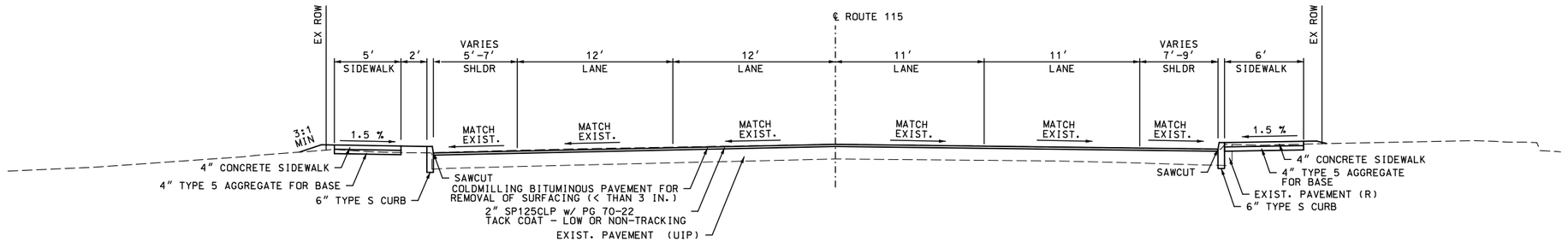
ROUTE 115

TYPICAL SECTIONS
8 OF 15

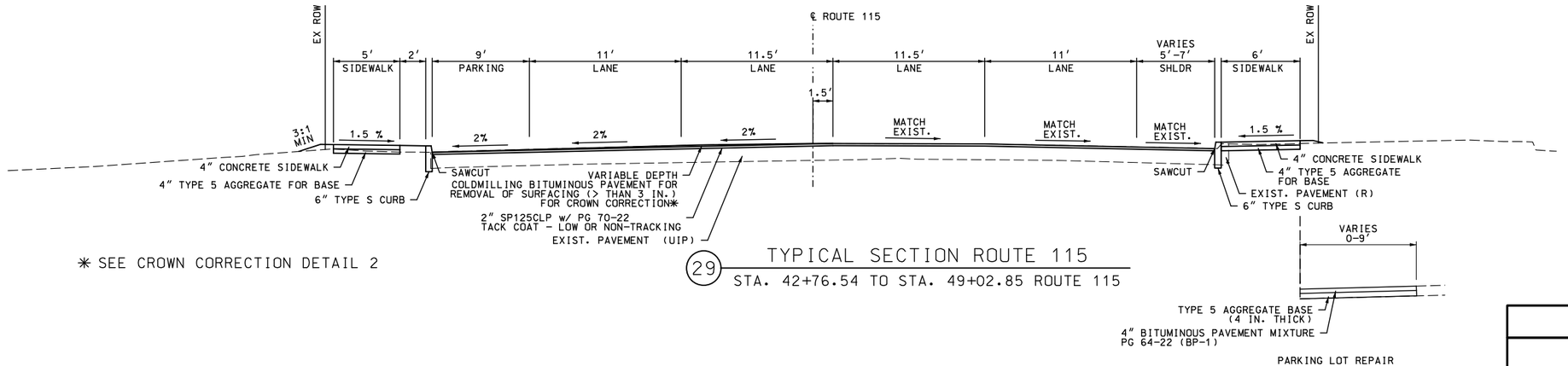
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING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



27 TYPICAL SECTION ROUTE 115
STA. 37+10.42 TO STA. 40+42.44 ROUTE 115



28 TYPICAL SECTION ROUTE 115
STA. 40+42.44 TO STA. 41+46.45 ROUTE 115
STA. 57+08.57 TO STA. 58+31.85 ROUTE 115



✳ SEE CROWN CORRECTION DETAIL 2

29 TYPICAL SECTION ROUTE 115
STA. 42+76.54 TO STA. 49+02.85 ROUTE 115

ROUTE 115

TYPICAL SECTIONS
9 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI PROFESSIONAL ENGINEER
01/25/2024 11:00:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
1/25/2024	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 2
COUNTY ST. LOUIS	
JOB NO. J6S3417	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

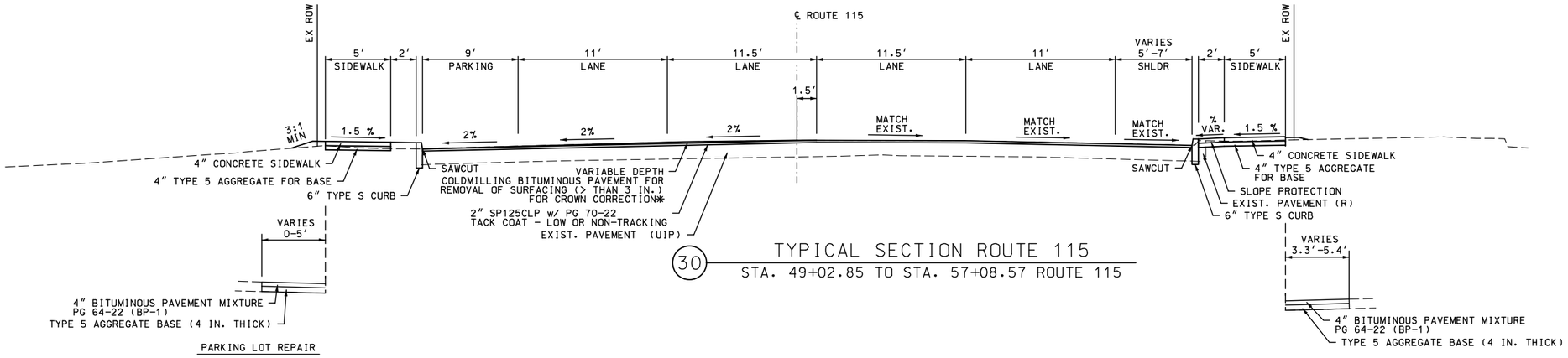
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

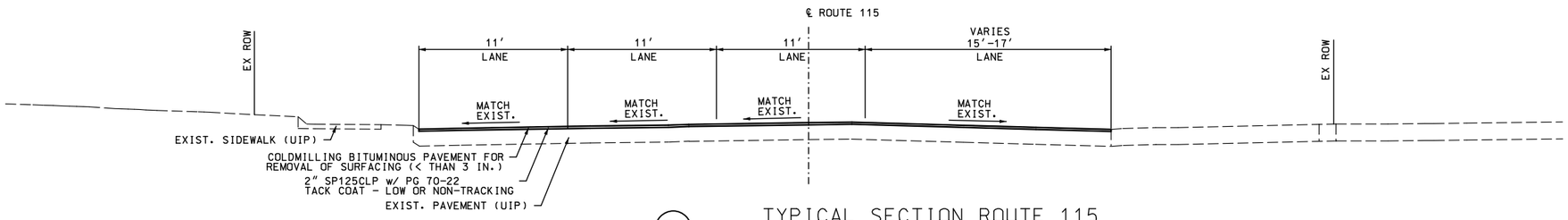
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

REV.

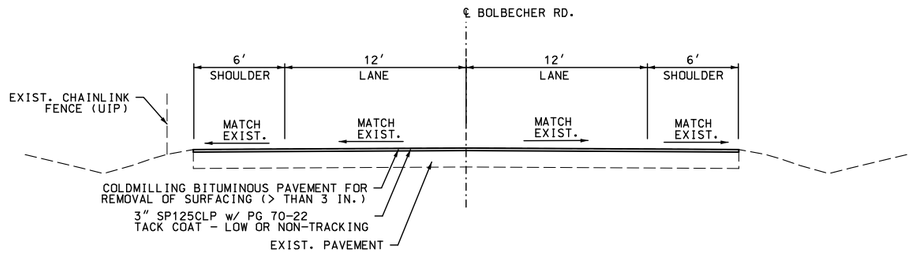
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING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



30 TYPICAL SECTION ROUTE 115
STA. 49+02.85 TO STA. 57+08.57 ROUTE 115



31 TYPICAL SECTION ROUTE 115
STA. 58+31.85 TO STA. 59+22.22 ROUTE 115



32 TYPICAL SECTION BOLBECHER RD.
STA. 10+17.07 TO STA. 21+08.35 BOLBECHER RD.

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI PROFESSIONAL ENGINEER
01/25/2024 11:00:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 2
COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

REV.	DESCRIPTION	DATE

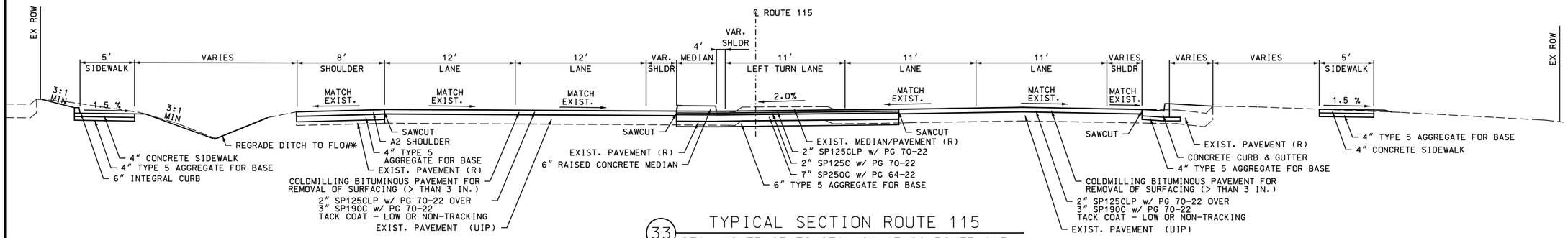
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

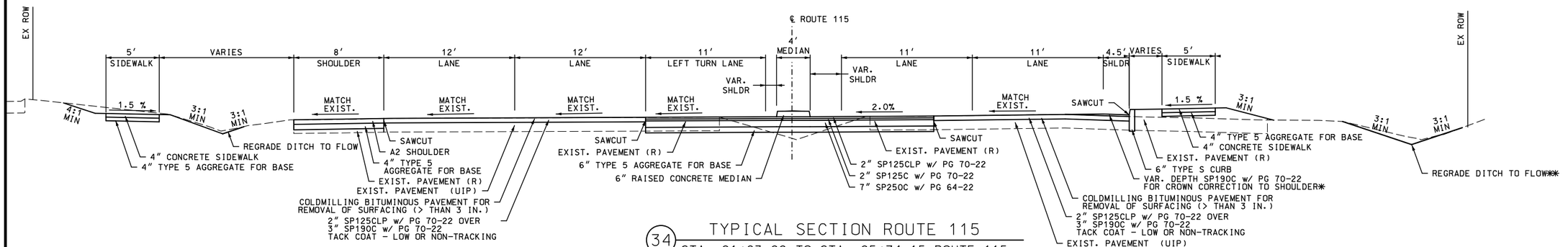
TYPICAL SECTIONS
10 OF 15

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.



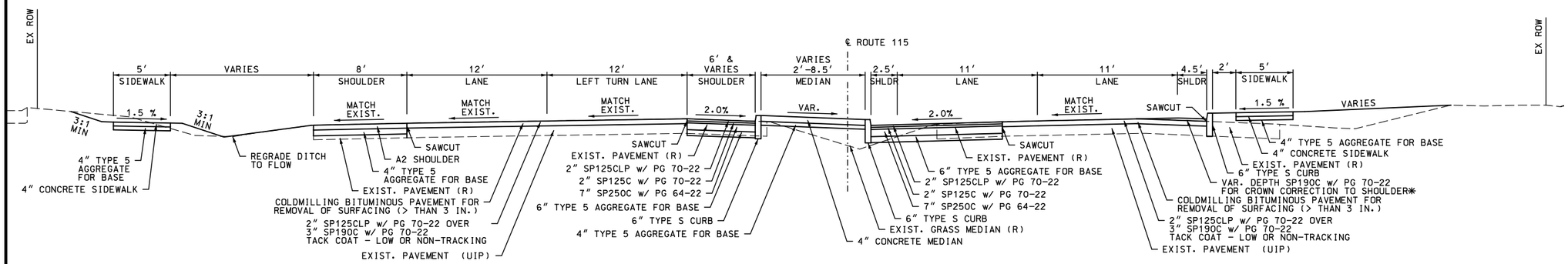
✳ DITCH REGRADING BEGINS STA. 19+95.17

33 TYPICAL SECTION ROUTE 115
STA. 18+75.65 TO STA. 21+03.22 ROUTE 115
PAVEMENT WIDENING - ASPHALT OPTION
SEE TYPICAL SECTION 18 FOR CONCRETE OPTION



34 TYPICAL SECTION ROUTE 115
STA. 21+03.22 TO STA. 25+74.15 ROUTE 115
PAVEMENT WIDENING - ASPHALT OPTION
SEE TYPICAL SECTION 19 FOR CONCRETE OPTION

✳ SEE CROWN CORRECTION DETAIL 1
✳✳ REGRADE DITCH TO FLOW FROM STA. 24+68.78 TO STA. 25+74.15 RT



35 TYPICAL SECTION ROUTE 115
STA. 25+74.15 TO STA. 27+27.59 ROUTE 115
PAVEMENT WIDENING - ASPHALT OPTION
SEE TYPICAL SECTION 20 FOR CONCRETE OPTION

✳ SEE CROWN CORRECTION DETAIL 1

ROUTE 115

TYPICAL SECTIONS
OPTIONAL PAVEMENT
11 OF 15

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
Jennifer Huber
03/06/2024 2:46:11 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

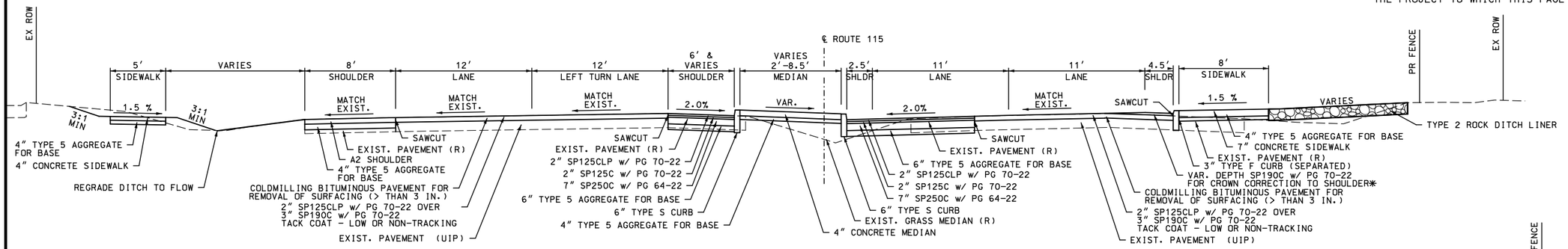
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

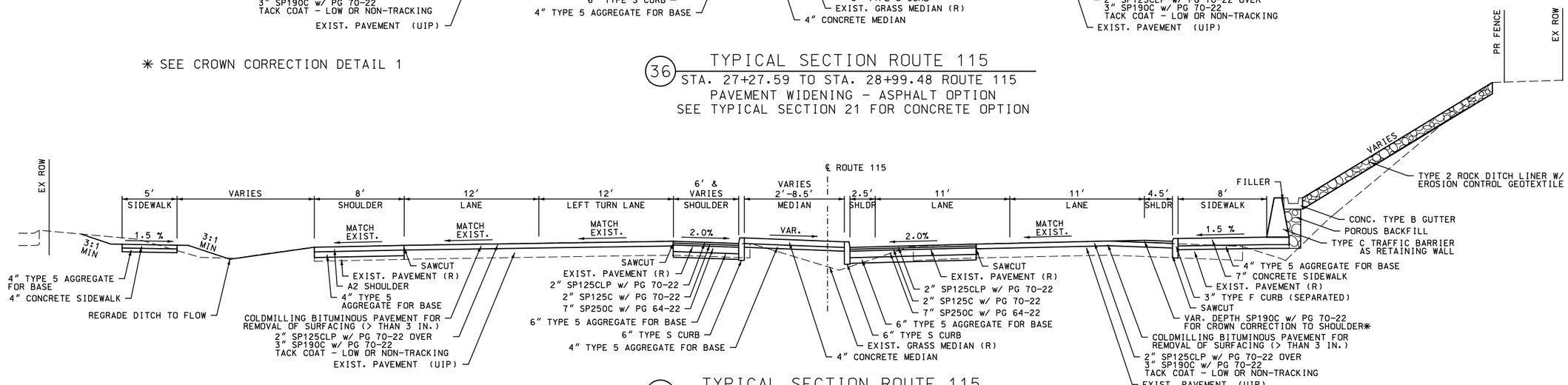
REV.

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.



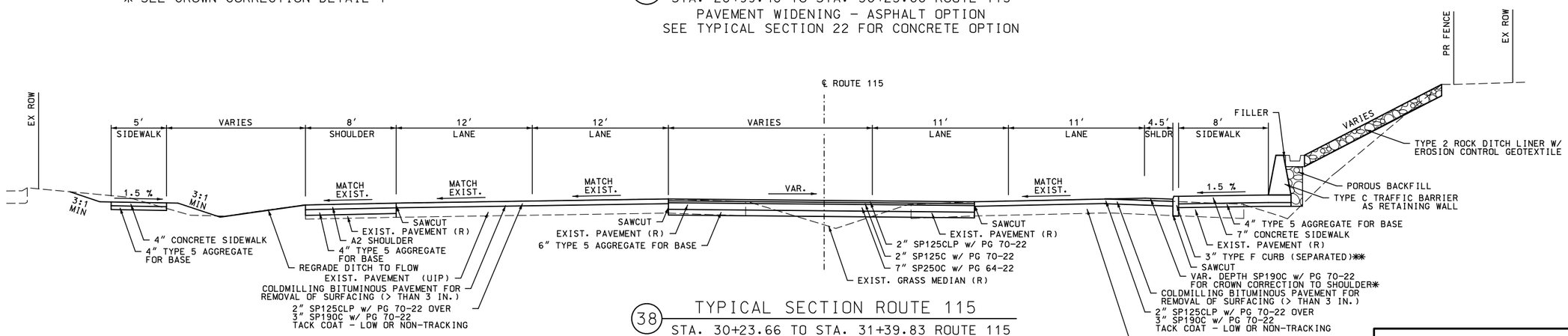
✳ SEE CROWN CORRECTION DETAIL 1

(36) TYPICAL SECTION ROUTE 115
STA. 27+27.59 TO STA. 28+99.48 ROUTE 115
PAVEMENT WIDENING - ASPHALT OPTION
SEE TYPICAL SECTION 21 FOR CONCRETE OPTION



✳ SEE CROWN CORRECTION DETAIL 1

(37) TYPICAL SECTION ROUTE 115
STA. 28+99.48 TO STA. 30+23.66 ROUTE 115
PAVEMENT WIDENING - ASPHALT OPTION
SEE TYPICAL SECTION 22 FOR CONCRETE OPTION



✳ SEE CROWN CORRECTION DETAIL 1
✳✳ TRANSITION TO TYPE 6" TYPE S CURB FROM STA. 30+19.31 TO STA. 30+93.29

(38) TYPICAL SECTION ROUTE 115
STA. 30+23.66 TO STA. 31+39.83 ROUTE 115
PAVEMENT WIDENING - ASPHALT OPTION
SEE TYPICAL SECTION 23 FOR CONCRETE OPTION

ROUTE 115

TYPICAL SECTIONS
OPTIONAL PAVEMENT
12 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI PROFESSIONAL ENGINEER
03/06/2024 2:46:11 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	2

COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

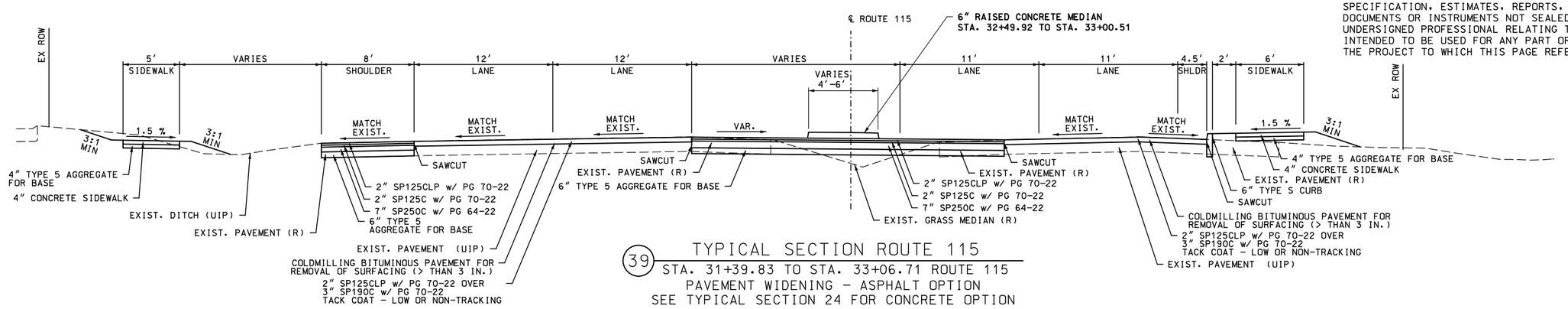
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

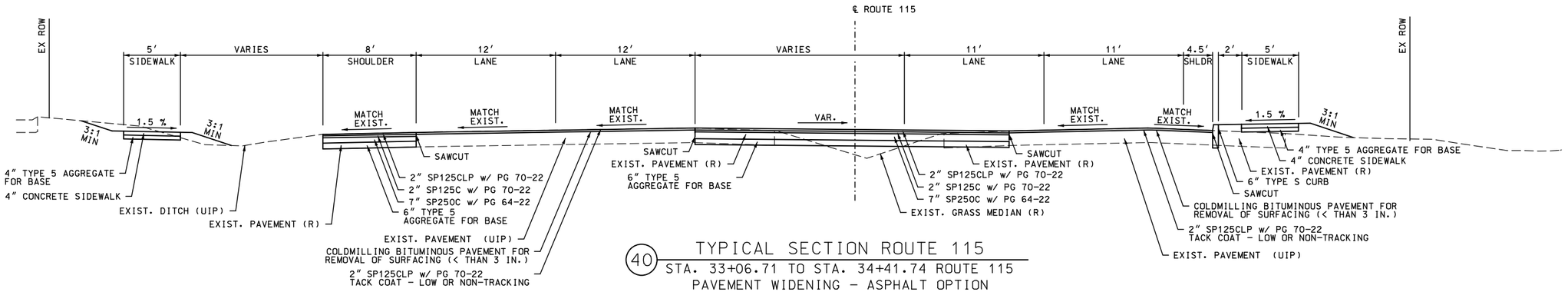
© Copyright CMT, Inc.

REV.

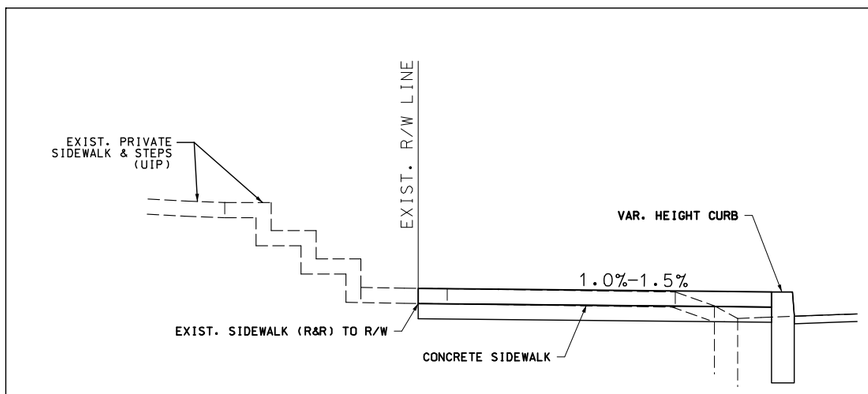
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING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



39 TYPICAL SECTION ROUTE 115
STA. 31+39.83 TO STA. 33+06.71 ROUTE 115
PAVEMENT WIDENING - ASPHALT OPTION
SEE TYPICAL SECTION 24 FOR CONCRETE OPTION

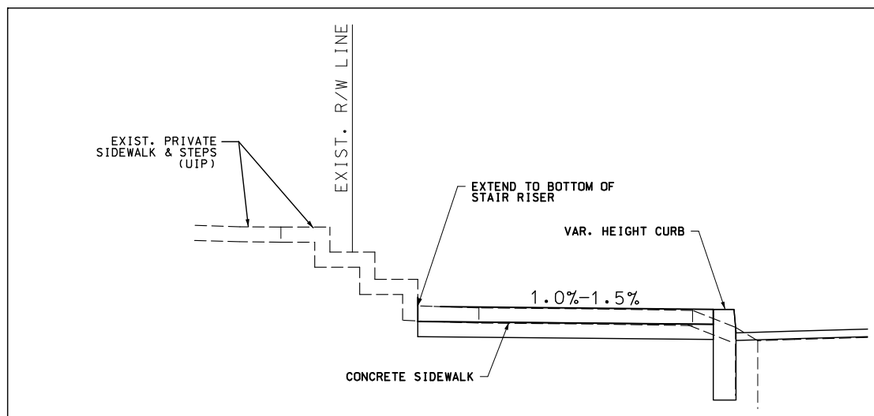


40 TYPICAL SECTION ROUTE 115
STA. 33+06.71 TO STA. 34+41.74 ROUTE 115
PAVEMENT WIDENING - ASPHALT OPTION
SEE TYPICAL SECTION 25 FOR CONCRETE OPTION



SIDEWALK AT PROPERTIES WITH STEPS
(EXIST. SIDEWALK OUTSIDE OF RIGHT-OF-WAY)

NOT TO SCALE



SIDEWALK AT PROPERTIES WITH STEPS
(EXIST. SIDEWALK WITHIN RIGHT-OF-WAY)

NOT TO SCALE

ROUTE 115

TYPICAL SECTIONS
OPTIONAL PAVEMENT
13 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257 PROFESSIONAL ENGINEER STATE OF MISSOURI
03/06/2024 2:46:11 PM
Jennifer Huber - Civil
MO PE-2022000257

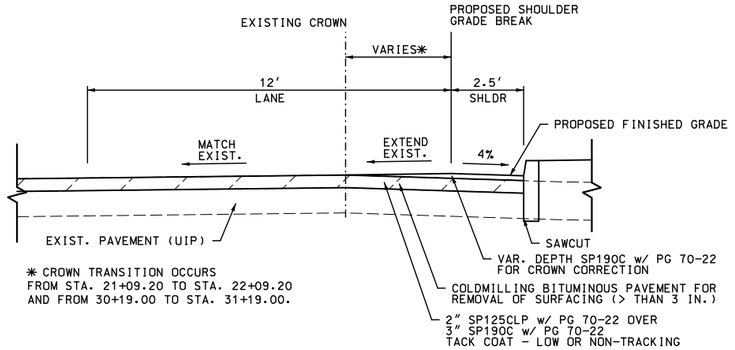
DATE PREPARED 3/6/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 2
COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE | REV.

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

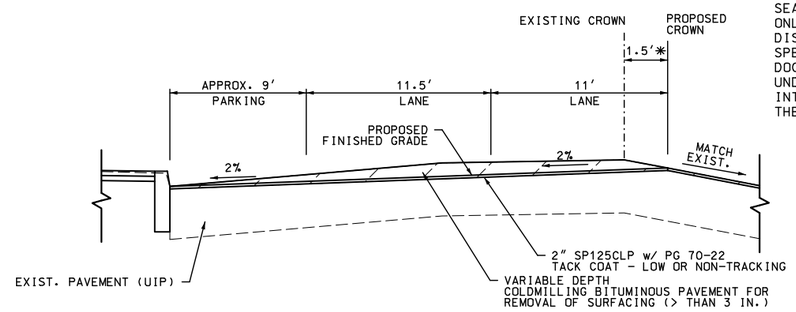
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631



CROWN CORRECTION DETAIL 1

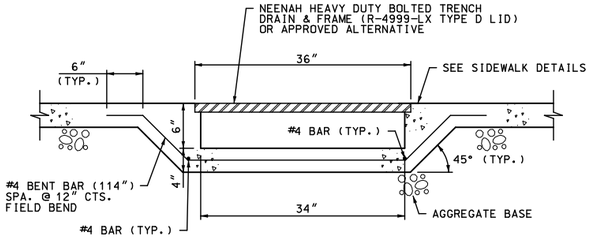
STA. 21+09.20 TO STA. 31+19.00



CROWN CORRECTION DETAIL 2

STA. 43+02.40 TO STA. 53+61.40

* CROWN TRANSITION OCCURS FROM STA. 43+02.40 TO STA. 43+32.40 AND FROM 53+31.40 TO STA. 53+61.40.

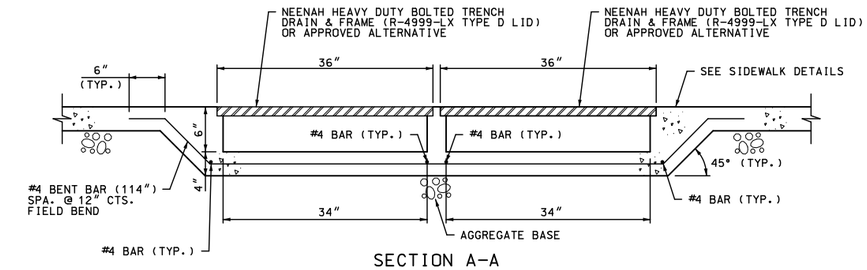


SECTION A–A

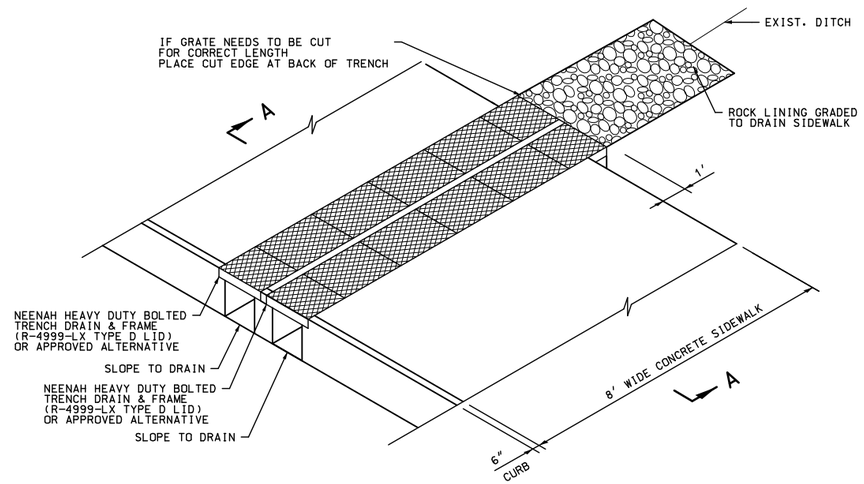
TYPICAL THRU CURB / SINGLE SIDEWALK TRENCH DRAIN SECTION

(MoDOT MAINTAINED)
STA. 31+00 RT
STA. 31+77 RT

NOT TO SCALE



SECTION A–A



TYPICAL THRU CURB / DOUBLE SIDEWALK TRENCH DRAIN SECTION

(MoDOT MAINTAINED)
STA. 10+85 RT

NOT TO SCALE

ROUTE 115

TYPICAL SECTIONS
14 OF 15

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 · JENNIFER L. HUBER · NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

01/25/2024 11:00:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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

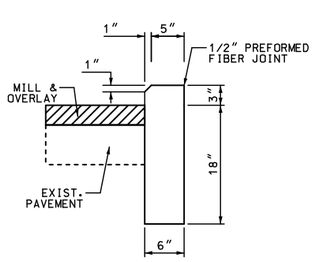
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

© Copyright CMT, Inc.

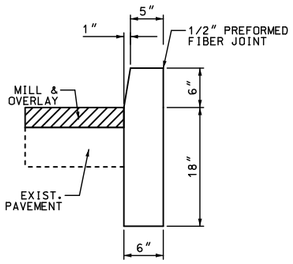
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

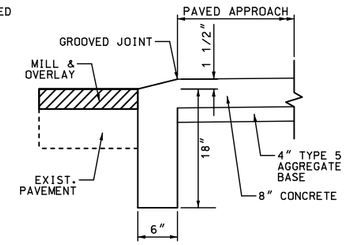
NOT TO SCALE



3" CONCRETE TYPE F SEPARATED CURB

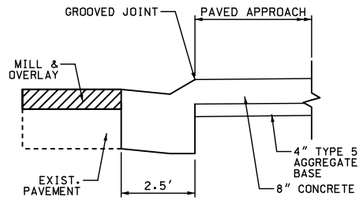


6" CONCRETE TYPE S SEPARATED CURB



CONCRETE DEPRESSED INTEGRAL CURB

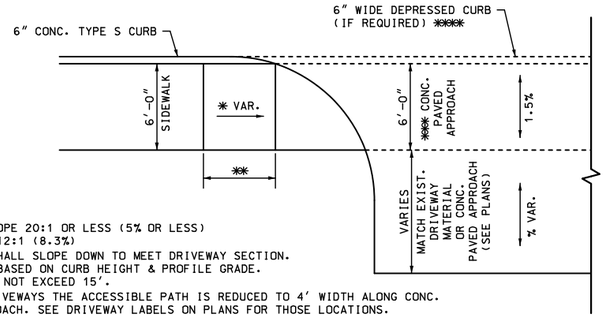
COST FOR CONCRETE DEPRESSED INTEGRAL CURB INCLUDED IN PAVED APPROACH PAY ITEM



CONCRETE DEPRESSED INTEGRAL CURB AND GUTTER TYPE B

LOCATED AT:
16-91.91 LT, 17+48.96 LT
17+36.47 RT, 19+51.42 RT

COST FOR CONCRETE DEPRESSED INTEGRAL CURB AND GUTTER TYPE B INCLUDED IN PAVED APPROACH PAY ITEM



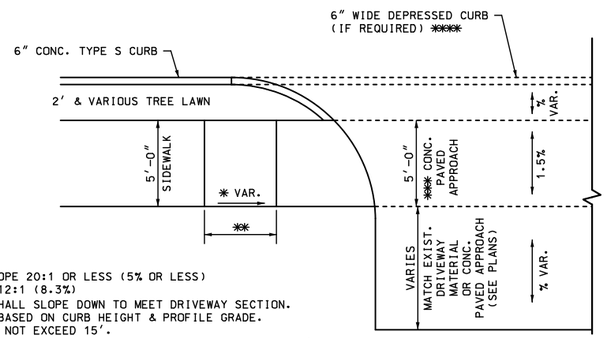
* OPTIMAL SLOPE 20:1 OR LESS (5% OR LESS)
MAX SLOPE 12:1 (8.3%)

** SIDEWALK SHALL SLOPE DOWN TO MEET DRIVEWAY SECTION. LENGTH IS BASED ON CURB HEIGHT & PROFILE GRADE. RAMP SHALL NOT EXCEED 15'.

*** AT SOME DRIVEWAYS THE ACCESSIBLE PATH IS REDUCED TO 4' WIDTH ALONG CONC. PAVED APPROACH. SEE DRIVEWAY LABELS ON PLANS FOR THOSE LOCATIONS.

**** DEPRESSED CURB FOR DRIVEWAYS SHALL BEGIN AT DRIVEWAY STATION 23+12.03 RT AND DRIVEWAY STATION 34+71.93 LT AND CONTINUE THE ENTIRE PROJECT LIMITS.

TYPICAL PLAN VIEW OF DRIVEWAY (BACK-OF-CURB SIDEWALK)



* OPTIMAL SLOPE 20:1 OR LESS (5% OR LESS)
MAX SLOPE 12:1 (8.3%)

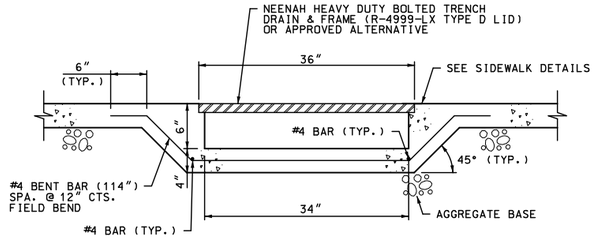
** SIDEWALK SHALL SLOPE DOWN TO MEET DRIVEWAY SECTION. LENGTH IS BASED ON CURB HEIGHT & PROFILE GRADE. RAMP SHALL NOT EXCEED 15'.

*** AT SOME DRIVEWAYS THE ACCESSIBLE PATH IS REDUCED TO 4' WIDTH ALONG CONC. PAVED APPROACH. SEE DRIVEWAY LABELS ON PLANS FOR THOSE LOCATIONS.

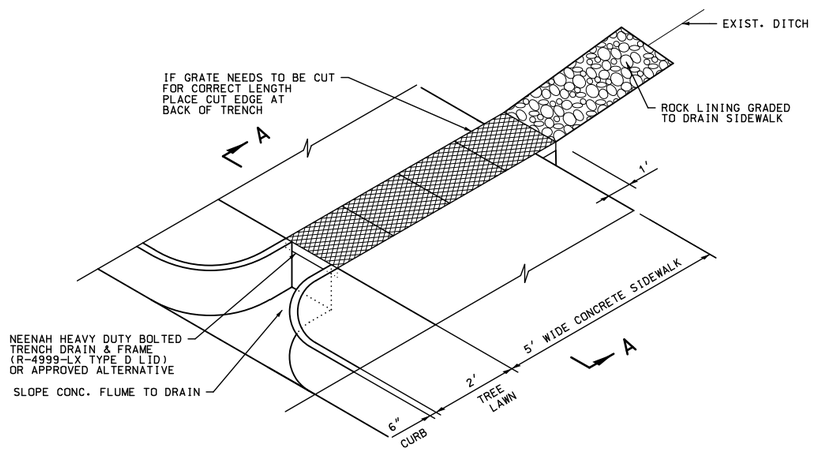
**** DEPRESSED CURB FOR DRIVEWAYS SHALL BEGIN AT DRIVEWAY STATION 23+12.03 RT AND DRIVEWAY STATION 34+71.93 LT AND CONTINUE THE ENTIRE PROJECT LIMITS.

TYPICAL PLAN VIEW OF DRIVEWAY (OFFSET SIDEWALK)

NOT TO SCALE



SECTION A-A



TYPICAL THRU CURB / SINGLE SIDEWALK TRENCH DRAIN SECTION (OFFSET)

STA. 24+01 RT

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 · JENNIFER L. HUBER · NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:00:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

ROUTE 115

TYPICAL SECTIONS
15 OF 15

REMOVAL OF IMPROVEMENTS (1 OF 7)

SHEET	ROADWAY	FROM STATION	TO STATION	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION
PN 2	ROUTE 115	02+95.43	07+50.00	LT	500					SAWCUT
PN 2	ROUTE 115	02+95.95	07+50.00	RT	589					SAWCUT
PN 2	ROUTE 115	03+90.25	05+57.56	RT	172	VARIES	763	85		PAVEMENT
PN 2	ROUTE 115	05+57.86	05+90.47	RT	32	VARIES	427	47		MEDIAN
PN 2	ROUTE 115	06+36.93	06+86.74	RT	50	3	1172	130		MEDIAN
PN 2	BOLBECHER RD.	10+16.69	11+50.00	RT	191					SAWCUT
PN 2	BOLBECHER RD.	10+16.69	11+50.00	LT	212					SAWCUT
PN 2-3	ROUTE 115	05+94.16	08+84.09	LT	290	VARIES				CURB AND GUTTER
PN 2-3	ROUTE 115	06+40.09	09+16.67	LT	277					GUARD RAIL
PN 2-3	ROUTE 115	06+71.20	08+97.75	RT	227					GUARD RAIL
PN 2-3	ROUTE 115	07+09.86	09+68.13	RT	258					GUARD RAIL
PN 2-3	ROUTE 115	07+11.32	09+59.47	C	248					GUARD RAIL
PN 2-4	ROUTE 115	06+38.48	09+79.46	C	326	3	1514	168		MEDIAN
PN 2-4	ROUTE 115	07+09.40	11+97.71	RT	488	VARIES	3112	346		PAVEMENT
PN 3	ROUTE 115	07+50.00	12+50.00	RT	500					SAWCUT
PN 3	ROUTE 115	07+50.00	12+50.00	LT	500					SAWCUT
PN 3	ROUTE 115	10+91.48	12+43.18	LT	152					GUARD RAIL
PN 3-4	ROUTE 115	11+34.47	12+61.35	RT	127					GUARD RAIL
PN 4	ROUTE 115	12+50.00	17+50.00	RT	556					SAWCUT
PN 4	ROUTE 115	12+50.00	17+50.00	LT	552					SAWCUT
PN 4	ROUTE 115	12+78.79	13+39.83	RT	61	VARIES	1472	164		MEDIAN
PN 4	ROUTE 115	13+91.20	15+87.21	LT	244					EXISITING CURB AND GUTTER
PN 4	ROUTE 115	13+94.09	14+15.69	LT	33	VARIES	163	18		SIDEWALK
PN 4	ROUTE 115	13+95.25	14+12.89	RT	24	VARIES	271	30		MEDIAN
PN 4	ROUTE 115	13+95.83	14+22.42	LT	27	VARIES	359	40		MEDIAN
PN 4	ROUTE 115	13+97.42	14+13.64	RT	17	VARIES	210	23		MEDIAN
PN 4	ROUTE 115	14+23.60	17+20.08	RT	296	5	1411	157		EXISITING PAVEMENT
PN 4	ROUTE 115	15+62.72	17+09.26	LT	57	3				CURB AND GUTTER
PN 4	ROUTE 115	15+87.22	16+52.83	LT	23	66	1050	117		DRIVEWAY
PN 4	ROUTE 115	16+01.85	16+38.43	LT	37					SAWCUT
PN 4-5	MALINE AVE.	10+74.92	10+84.17	RT & LT	35					SAWCUT
PN 4-5	ROUTE 115	17+09.26	17+72.94	LT	17	64	794	88		DRIVEWAY
PN 4-5	ROUTE 115	17+11.44	17+85.41	RT	27	74	1354	150		DRIVEWAY
PN 4-5	ROUTE 115	17+30.54	17+72.70	LT	43					SAWCUT
PN 5	SARGENT AVE.	10+70.65	10+79.13	RT & LT	28					SAWCUT
PN 5	ROUTE 115	17+50.00	22+50.00	RT	505					SAWCUT
PN 5	ROUTE 115	17+50.00	22+50.00	LT	496					SAWCUT
PN 5	ROUTE 115	17+75.59	19+25.81	RT	153	5	800	89		SIDEWALK
PN 5	ROUTE 115	17+85.39	19+03.42	RT	123	4				CURB AND GUTTER
PN 5	ROUTE 115	18+86.10	22+50.00	C	743					CENTER MEDIAN SAWCUT
PN 5	ROUTE 115	19+03.42	19+88.85	RT	19	85	1109	123		DRIVEWAY
PN 5	ROUTE 115	19+28.92	19+70.35	RT	41					SAWCUT
PN 5	ROUTE 115	19+89.15	20+94.55	RT	106	3				CURB AND GUTTER
PN 5	ROUTE 115	20+40.42	21+13.28	C	76					PIPE
PN 5	ROUTE 115	20+46.39	21+10.05	LT	64					SAWCUT
PN 5	ROUTE 115	20+46.71	21+12.38	LT	66					PIPE
PN 5	ROUTE 115	20+48.16	21+11.67	LT	21	64	1262	140		DRIVEWAY
PN 5	ROUTE 115	20+87.64	21+60.84	RT	30	73	1175	131		DRIVEWAY
PN 5	ROUTE 115	21+28.07		LT					1	LIGHTING SIGNAL EQUIPMENT
PN 5	ROUTE 115	18+86.21	20+47.13	C	161	9	1454	162		MEDIAN
PN 5-6	ROUTE 115	18+86.21	23+01.01	C	415	VARIES	6093	677		PAVEMENT
PN 5-8	ROUTE 115	19+03.42	33+68.36	RT	1465	VARIES	12239	1360		PAVEMENT
PN 6	ROUTE 115	22+50.00	27+50.00	RT	500					SAWCUT
PN 6	ROUTE 115	22+50.00	23+01.01	C	129					CENTER MEDIAN SAWCUT
PN 6	ROUTE 115	22+50.00	27+50.00	LT	500					SAWCUT
PN 6	ROUTE 115	22+82.75	23+40.46	RT	19	58	609	68		DRIVEWAY
PN 6	ROUTE 115	22+93.10	23+70.35	C	76					PIPE
PN 6	ROUTE 115	22+94.11	23+24.70	LT	31					SAWCUT
PN 6	ROUTE 115	22+94.11	23+30.66	LT	25	37	660	73		DRIVEWAY
PN 6	ROUTE 115	22+98.68	23+24.22	RT	26					SAWCUT
PN 6	ROUTE 115	23+22.06	25+42.93	C	494					CENTER MEDIAN SAWCUT
PN 6	ROUTE 115	23+22.06	25+42.93	C	221	26	3248	361		PAVEMENT
PN 6	ROUTE 115	23+24.21	23+89.36	C	65	VARIES	590	66		MEDIAN
PN 6	ROUTE 115	23+70.35		C					1	INLET
PN 6	ROUTE 115	25+37.00	25+83.85	LT	47					PIPE
PN 6	ROUTE 115	25+37.45	25+75.75	C	38					PIPE
PN 6	ROUTE 115	25+37.56	26+01.84	LT	24	64	909	101		DRIVEWAY
PN 6	ROUTE 115	25+37.70	25+77.46	LT	40					SAWCUT
PN 6	ROUTE 115	25+70.10	27+50.00	C	386					CENTER MEDIAN SAWCUT
PN 6	ROUTE 115	25+93.50	26+18.21	RT	18	25	401	45		DRIVEWAY
PN 6	ROUTE 115	25+95.17	26+20.18	RT	25					PIPE
PN 6	ROUTE 115	25+96.84	26+21.27	RT	24					SAWCUT
PN 6	ROUTE 115	26+48.98	26+74.01	RT	17	25	317	35		DRIVEWAY

REMOVAL OF IMPROVEMENTS CONT. (2 OF 7)

SHEET	ROADWAY	FROM STATION	TO STATION	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION
PN 6	ROUTE 115	26+51.82	26+76.34	RT	25					PIPE
PN 6	ROUTE 115	26+56.08	26+73.76	RT	18					SAWCUT
PN 6	ROUTE 115	27+13.34	27+38.13	RT	25					PIPE
PN 6	ROUTE 115	27+14.63	27+31.95	RT	10	17	124	14		DRIVEWAY
PN 6	ROUTE 115	27+20.76	27+29.87	RT	9					SAWCUT
PN 6-8	ROUTE 115	25+70.10	34+41.74	C	872	VARIES	10378	1153		PAVEMENT
PN 7	ROUTE 115	27+50.00	32+50.00	RT	500					SAWCUT
PN 7	ROUTE 115	27+50.00	32+50.00	C	1000					CENTER MEDIAN SAWCUT
PN 7	ROUTE 115	27+50.00	32+50.00	LT	501					SAWCUT
PN 7	ROUTE 115	27+87.52	28+24.31	RT	37					PIPE
PN 7	ROUTE 115	27+87.78		RT					1	TREE
PN 7	ROUTE 115	28+07.99	28+10.64	RT	14	3	40	4		STAIRS
PN 7	ROUTE 115	29+51.32	29+71.16	RT	20					PIPE
PN 7	ROUTE 115	28+20.82		RT					1	TREE
PN 7	ROUTE 115	29+55.60		RT					1	TREE
PN 7	ROUTE 115	30+03.08		RT					1	TREE
PN 7	ROUTE 115	29+56.26	29+60.27	RT	10	4	40	4		STAIRS
PN 7	ROUTE 115	29+65.40	30+65.40	RT	100					FENCE
PN 7	ROUTE 115	29+60.68	29+95.27	LT	22	35	533	59		DRIVEWAY
PN 7	ROUTE 115	29+69.95	29+89.81	LT	20					SAWCUT
PN 7	ROUTE 115	30+99.07		RT					1	GRATE INLET
PN 7	ROUTE 115	31+05.82	31+47.86	LT	22	42	650	72		DRIVEWAY
PN 7	ROUTE 115	31+09.54	31+74.10	RT	22	65	715	79		DRIVEWAY
PN 7	ROUTE 115	31+17.79	31+38.77	LT	21					SAWCUT
PN 7	ROUTE 115	31+26.59	31+37.18	RT	11					PIPE
PN 7	ROUTE 115	31+29.55	31+53.88	RT	24					SAWCUT
PN 7	ROUTE 115	31+41.41		RT					1	BASIN
PN 7	ROUTE 115	32+17.21	32+26.92	RT	10	18	70	8		SIDEWALK
PN 7	ROUTE 115	29+57.40	29+94.61	LT	37					PIPE
PN 8	LEEWARD AVE.	10+50.39	10+50.39	RT & LT	26					SAWCUT
PN 8	ROUTE 115	32+50.00	37+50.00	RT	500					SAWCUT
PN 8	ROUTE 115	32+50.00	34+41.74	C	394					CENTER MEDIAN SAWCUT
PN 8	ROUTE 115	32+50.00	37+50.00	LT	502					SAWCUT
PN 8	ROUTE 115	33+06.71	33+06.71	RT & LT	70					SAWCUT
PN 8	ROUTE 115	33+16.10	33+58.68	RT	13	43	412	46		DRIVEWAY
PN 8	ROUTE 115	33+26.59	33+54.45	RT	28					SAWCUT
PN 8	ROUTE 115	33+58.53	34+67.28	RT	106	4	318	35		SIDEWALK
PN 8	ROUTE 115	33+68.32	34+66.76	RT	99					CURB
PN 8	ROUTE 115	34+30.92	35+10.27	LT	24	79	1266	141		DRIVEWAY
PN 8	ROUTE 115	34+45.89	34+94.63	LT	49					SAWCUT
PN 8	ROUTE 115	34+66.78	34+96.83	RT	13	30	365	41		DRIVEWAY
PN 8	ROUTE 115	34+67.48	34+96.79	RT	34					SAWCUT
PN 8	ROUTE 115	34+96.82	35+44.82	RT	48					CURB
PN 8	ROUTE 115	35+08.76	35+94.83	LT	87					CURB
PN 8	ROUTE 115	35+53.01	36+10.48	RT	13	57	708	79		DRIVEWAY
PN 8	ROUTE 115	35+53.95	36+10.54	RT	62					SAWCUT
PN 8	ROUTE 115	35+94.80	36+61.92	LT	25	67	1081	120		DRIVEWAY
PN 8	ROUTE 115	36+07.16	36+48.39	LT	41					SAWCUT
PN 8	ROUTE 115	36+14.77	37+11.75	RT	13	97	1167	130		DRIVEWAY
PN 8	ROUTE 115	36+14.82	37+08.24	RT	96					SAWCUT
PN 8	ROUTE 115	36+49.12	37+22.85	LT	72	3	161	18		SIDEWALK
PN 8	ROUTE 115	36+60.79	37+15.27	LT	55					CURB
PN 8	ROUTE 115	36+85.64	37+17.51	LT	32					GUARD RAIL
PN 8	ROUTE 115	37+19.38		LT					1	BOULDER AND BOLLARD
PN 8-9	ROUTE 115	37+08.24	37+55.93	RT	47	3	150	17		SIDEWALK
PN 8-9	ROUTE 115	37+11.99	37+50.03	RT	38					CURB
PN 8-9	ROUTE 115	37+17.62	37+72.16	LT	8	55	380	42		DRIVEWAY
PN 8-9	ROUTE 115	37+21.64	37+65.88	LT	49					SAWCUT
PN 8-9	ROUTE 115	37+49.28	37+80.84	RT	12	32	246	27		DRIVEWAY
PN 9	LADA AVE.	10+50.05	11+01.25	LT	78					SAWCUT
PN 9	LADA AVE.	10+50.53	11+01.22	RT	75					SAWCUT
PN 9	ROUTE 115	37+50.00	42+00.00	RT	449					SAWCUT
PN 9	ROUTE 115	37+50.00	42+00.00	LT	451					SAWCUT
PN 9	ROUTE 115	37+56.68	37+73.07	RT	16					SAWCUT
PN 9	ROUTE 115	37+73.34	38+16.21	RT	42	3	125	14		SIDEWALK
PN 9	ROUTE 115	37+74.53	38+15.13	LT	41					CURB

ADDITIONAL QUANTITIES LOCATED IN SIGNING AND SIGNAL SHEETS.

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.

ROUTE 115

SUMMARY OF QUANTITIES SHEET 1 OF 26

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

REMOVAL OF IMPROVEMENTS CONT. (3 OF 7)

SHEET	ROADWAY	FROM STATION	TO STATION	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION
PN 9	ROUTE 115	37+80.84	38+15.48	RT	35					CURB
PN 9	ROUTE 115	38+14.12	38+27.39	RT	8	13	82	9		DRIVEWAY
PN 9	ROUTE 115	38+14.61	38+81.20	LT	8	67	450	50		DRIVEWAY
PN 9	ROUTE 115	38+16.33	38+25.71	RT	9					SAWCUT
PN 9	ROUTE 115	38+19.33	38+71.26	LT	52					SAWCUT
PN 9	ROUTE 115	38+25.78	38+98.52	RT	45	3	231	26		SIDEWALK
PN 9	ROUTE 115	38+25.78	38+96.85	RT	71					CURB
PN 9	ROUTE 115	38+79.89	38+83.94	LT	4					CURB
PN 9	ROUTE 115	38+81.20	39+24.35	LT	11	43	377	42		DRIVEWAY
PN 9	ROUTE 115	38+89.00	39+18.82	LT	30					SAWCUT
PN 9	ROUTE 115	38+97.03	39+42.89	RT	15	46	657	73		DRIVEWAY
PN 9	ROUTE 115	38+98.52	39+42.48	RT	60					SAWCUT
PN 9	ROUTE 115	39+20.34	40+20.64	LT	100	3	265	29		SIDEWALK
PN 9	ROUTE 115	39+23.84	40+13.30	LT	89					CURB
PN 9	ROUTE 115	39+42.21	40+11.19	RT	69	3	213	24		SIDEWALK
PN 9	ROUTE 115	39+42.25	40+09.86	RT	68					CURB
PN 9	ROUTE 115	40+08.00	40+51.04	RT	12	43	478	53		DRIVEWAY
PN 9	ROUTE 115	40+11.19	40+52.20	RT	45					SAWCUT
PN 9	ROUTE 115	40+13.26	40+66.30	LT	19	53	651	72		DRIVEWAY
PN 9	ROUTE 115	40+50.09	41+37.33	RT	86	4	352	39		SIDEWALK
PN 9	ROUTE 115	40+52.90	41+15.11	LT	69	4	318	35		SIDEWALK
PN 9	ROUTE 115	40+56.92	41+25.11	RT	68					CURB
PN 9	ROUTE 115	40+66.32	41+15.09	LT	49					CURB
PN 9	ROUTE 115	41+14.14	41+26.91	LT	8	13	102	11		DRIVEWAY
PN 9	ROUTE 115	41+15.18	41+26.88	LT	12					SAWCUT
PN 9	ROUTE 115	41+22.20	41+64.02	RT	7	42	191	21		DRIVEWAY
PN 9-10	ROUTE 115	41+26.85	42+02.45	LT	76					CURB
PN 9-10	ROUTE 115	41+26.91	42+05.25	LT	78	4	298	33		SIDEWALK AND CURB
PN 9	ROUTE 115	41+33.37		RT					1	POST
PN 9	ROUTE 115	41+37.33	41+57.60	RT	40					SAWCUT
PN 9	ROUTE 115	41+57.60	41+77.85	RT	33	4	74	8		SIDEWALK
PN 9	ROUTE 115	41+66.11	41+72.49	RT	6					CURB
PN 9-10	ROUTE 115	41+72.50	42+11.83	RT	9	39	258	29		DRIVEWAY
PN 9	ROUTE 115	41+77.34		RT					1	POST
PN 9-10	ROUTE 115	41+77.85	42+05.86	RT	29					SAWCUT
PN 9	ROUTE 115	41+84.53		RT					1	POST
PN 10	RAMONA AVE.	10+80.84	10+80.84	RT & LT	25					SAWCUT
PN 10	ROUTE 115	42+00.00	46+50.00	RT	448					SAWCUT
PN 10	ROUTE 115	42+00.00	46+50.00	LT	452					SAWCUT
PN 10	ROUTE 115	42+02.44	42+28.69	LT	7	26	138	15		DRIVEWAY
PN 10	ROUTE 115	42+05.26	42+24.01	LT	19					SAWCUT
PN 10	ROUTE 115	42+05.51	42+43.93	RT	57	4	256	28		SIDEWALK
PN 10	ROUTE 115	42+11.84	42+47.21	RT	61					CURB
PN 10	ROUTE 115	42+24.02	43+03.85	LT	80	4	320	36		SIDEWALK
PN 10	ROUTE 115	42+28.57	42+99.40	LT	71					CURB
PN 10	ROUTE 115	42+55.29	42+77.10	RT	22	VARIES	226	25		MEDIAN
PN 10	ROUTE 115	42+58.91	43+84.91	RT	144					CURB
PN 10	ROUTE 115	42+59.52	43+96.63	RT	150	4	534	59		SIDEWALK
PN 10	ROUTE 115	42+99.40	43+18.41	LT	8	19	103	11		DRIVEWAY
PN 10	ROUTE 115	43+03.98	43+14.11	LT	10					SAWCUT
PN 10	ROUTE 115	43+14.25	43+44.75	LT	31	4	114	13		SIDEWALK
PN 10	ROUTE 115	43+18.51	43+42.99	LT	25					CURB
PN 10	ROUTE 115	43+42.91	43+60.13	LT	8	17	92	10		DRIVEWAY
PN 10	ROUTE 115	43+44.74	43+53.96	LT	9					SAWCUT
PN 10	ROUTE 115	43+53.96	43+84.20	LT	30	4	75	8		SIDEWALK
PN 10	ROUTE 115	43+59.95	43+79.32	LT	20					CURB
PN 10	ROUTE 115	43+79.41	44+01.13	LT	8	22	94	10		DRIVEWAY
PN 10	ROUTE 115	43+84.34	43+93.40	LT	9					SAWCUT
PN 10	ROUTE 115	43+84.91	44+56.83	RT	16	72	813	90		DRIVEWAY
PN 10	ROUTE 115	43+93.40	44+23.45	LT	29	4	70	8		SIDEWALK
PN 10	ROUTE 115	43+97.26	44.48.18	RT	62					SAWCUT
PN 10	ROUTE 115	44+01.01	44+16.86	LT	16					CURB
PN 10	ROUTE 115	44+16.86	44+39.36	LT	10	23	128	14		DRIVEWAY
PN 10	ROUTE 115	44+23.91	44+33.51	LT	10					SAWCUT
PN 10	ROUTE 115	44+33.76	44+73.28	LT	39	4	90	10		SIDEWALK
PN 10	ROUTE 115	44+39.39	44+68.36	LT	29					CURB
PN 10	ROUTE 115	44+48.28	45+26.61	RT	76	4	163	18		SIDEWALK
PN 10	ROUTE 115	44+61.99	45+24.53	RT	62					CURB
PN 10	ROUTE 115	44+68.36	44+88.00	LT	10	20	115	13		DRIVEWAY
PN 10	ROUTE 115	44+73.58	44+82.12	LT	9					SAWCUT
PN 10	ROUTE 115	44+83.01	45+23.91	LT	41	4	89	10		SIDEWALK
PN 10	ROUTE 115	44+87.98	45+18.35	LT	31					CURB
PN 10	ROUTE 115	45+18.35	45+39.54	LT	8	21	110	12		DRIVEWAY

REMOVAL OF IMPROVEMENTS CONT. (4 OF 7)

SHEET	ROADWAY	FROM STATION	TO STATION	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION
PN 10	ROUTE 115	45+23.77	42+35.47	LT	12					SAWCUT
PN 10	ROUTE 115	45+24.53	45+76.02	RT	14	51	616	68		DRIVEWAY
PN 10	ROUTE 115	45+28.16	45+70.92	RT	48					SAWCUT
PN 10	ROUTE 115	45+35.40	45+62.25	LT	27	4	65	7		SIDEWALK
PN 10	ROUTE 115	45+38.84	45+57.83	LT	19					CURB
PN 10	ROUTE 115	45+57.83	45+77.06	LT	8	19	104	12		DRIVEWAY
PN 10	ROUTE 115	45+62.34	45+71.27	LT	9					SAWCUT
PN 10	ROUTE 115	45+71.58	46+02.45	LT	30	4	69	8		SIDEWALK
PN 10	ROUTE 115	45+74.26	45+98.39	RT	24					CURB
PN 10	ROUTE 115	45+74.40	45+99.28	RT	23	4	85	9		SIDEWALK
PN 10	ROUTE 115	45+77.06	45+97.57	LT	21					CURB
PN 10	ROUTE 115	45+95.98	46+35.01	RT	45					SAWCUT
PN 10	ROUTE 115	45+95.98	46+42.91	RT	14	47	514	57		DRIVEWAY
PN 10	ROUTE 115	45+97.54	46+17.39	LT	8	20	101	11		DRIVEWAY
PN 10	ROUTE 115	46+02.48	46+12.50	LT	10					SAWCUT
PN 10	ROUTE 115	46+12.71	46+42.67	LT	29	4	68	8		SIDEWALK
PN 10	ROUTE 115	46+17.39	46+39.12	LT	22					CURB
PN 10-11	ROUTE 115	46+37.48	46+57.75	RT	17	4	61	7		SIDEWALK
PN 10-11	ROUTE 115	46+39.14	46+56.35	LT	12	17	138	15		DRIVEWAY
PN 10-11	ROUTE 115	46+42.45	46+51.58	LT	9					SAWCUT
PN 11	MEDORA AVE.	10+54.35	10+54.35	RT & LT	17					SAWCUT
PN 11	MEDORA AVE.	10+69.65	10+69.65	RT & LT	21					SAWCUT
PN 11	ROUTE 115	46+50.00	51+50.00	RT	499					SAWCUT
PN 11	ROUTE 115	46+50.00	51+50.00	LT	501					SAWCUT
PN 11	ROUTE 115	46+52.57	47+22.62	LT	70	4	259	29		SIDEWALK
PN 11	ROUTE 115	46+56.52	47+19.29	LT	63					CURB
PN 11	ROUTE 115	47+00.54	48+52.63	RT	148	4	525	58		SIDEWALK
PN 11	ROUTE 115	47+13.87	47+96.59	RT	82					CURB
PN 11	ROUTE 115	47+19.28	47+42.23	LT	11	23	140	16		DRIVEWAY
PN 11	ROUTE 115	47+23.12	47+33.67	LT	11					SAWCUT
PN 11	ROUTE 115	47+34.76	47+66.33	LT	31	4	127	14		SIDEWALK
PN 11	ROUTE 115	47+42.23	47+60.72	LT	19					CURB
PN 11	ROUTE 115	47+60.64	47+82.90	LT	8	22	103	11		DRIVEWAY
PN 11	ROUTE 115	47+66.40	47+75.73	LT	9					SAWCUT
PN 11	ROUTE 115	47+75.87	48+16.55	LT	39	4	165	18		SIDEWALK
PN 11	ROUTE 115	47+81.89	48+11.29	LT	29					CURB
PN 11	ROUTE 115	48+11.33	48+33.57	LT	9	22	109	12		DRIVEWAY
PN 11	ROUTE 115	48+15.44	48+48.47	RT	33					CURB
PN 11	ROUTE 115	48+17.12	48+26.19	LT	9					SAWCUT
PN 11	ROUTE 115	48+26.96	48+67.56	LT	40	4	144	16		SIDEWALK
PN 11	ROUTE 115	48+33.59	48+62.41	LT	29					CURB
PN 11	ROUTE 115	48+48.39	48+68.83	RT	9	20	108	12		DRIVEWAY
PN 11	ROUTE 115	48+52.69	48+63.04	RT	10					SAWCUT
PN 11	ROUTE 115	48+62.41	48+82.95	LT	7	21	95	11		DRIVEWAY
PN 11	ROUTE 115	48+63.60	49+02.78	RT	39	4	166	18		SIDEWALK
PN 11	ROUTE 115	48+68.70	48+96.10	RT	27					CURB
PN 11	ROUTE 115	48+77.84	49+22.99	LT	60	4	240	27		SIDEWALK
PN 11	ROUTE 115	48+82.92	49+22.99	LT	60					CURB
PN 11	ROUTE 115	48+96.23	49+19.04	RT	9	23	115	13		DRIVEWAY
PN 11	ROUTE 115	49+02.98	49+13.37	RT	10					SAWCUT
PN 11	ROUTE 115	49+13.01	50+68.45	RT	155	4	477	53		SIDEWALK
PN 11	ROUTE 115	49+14.45	49+50.85	LT	24	36	471	52		DRIVEWAY
PN 11	ROUTE 115	49+17.54	49+47.23	RT	28					CURB
PN 11	ROUTE 115	49+39.94	49+87.34	LT	62	3	232	26		SIDEWALK
PN 11	ROUTE 115	49+39.94	49+81.28	LT	61					CURB
PN 11	ROUTE 115	49+51.28	50+11.68	LT	10	60	223	25		DRIVEWAY
PN 11	ROUTE 115	49+69.00	50+61.93	RT	93					CURB
PN 11	ROUTE 115	49+88.13	50+06.18	LT	18					SAWCUT
PN 11	ROUTE 115	50+07.04	50+48.00	LT	40	3	150	17		SIDEWALK
PN 11	ROUTE 115	50+11.79	50+45.16	LT	33					CURB
PN 11	ROUTE 115	50+45.08	50+64.97	LT	10	20	120	13		DRIVEWAY
PN 11	ROUTE 115	50+48.11	50+58.76	LT	11					SAWCUT
PN 11	ROUTE 115	50+59.23	51+01.13	LT	41	4	167	19		SIDEWALK
PN 11	ROUTE 115	50+61.93	51+10.97	RT	12	49	424	47		DRIVEWAY
PN 11	ROUTE 115	50+64.96	50+94.11	LT	29					CURB

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.

ROUTE 115

SUMMARY OF QUANTITIES SHEET 2 OF 26

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

© Copyright CMT, Inc.

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

REMOVAL OF IMPROVEMENTS CONT. (5 OF 7)

SHEET	ROADWAY	FROM STATION	TO STATION	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION
PN 11	ROUTE 115	50+70.31	51+01.90	RT	32					SAWCUT
PN 11	ROUTE 115	50+93.94	51+18.81	LT	23	25	234	26		DRIVEWAY
PN 11	ROUTE 115	51+01.74	51+10.01	LT	8					SAWCUT
PN 11	ROUTE 115	51+10.52	51+49.31	LT	38	4	153	17		SIDEWALK
PN 11	ROUTE 115	51+18.81	51+44.12	LT	25					CURB
PN 11-12	ROUTE 115	51+01.97	51+63.07	RT	60	4	296	33		SIDEWALK
PN 11-12	ROUTE 115	51+10.49	51+57.64	RT	47					CURB
PN 11-12	ROUTE 115	51+44.12	51+66.27	LT	18	22	199	22		DRIVEWAY
PN 12	ROUTE 115	51+50.00	55+50.00	RT	400					SAWCUT
PN 12	ROUTE 115	51+50.00	55+50.00	LT	400					SAWCUT
PN 12	ROUTE 115	51+50.23	51+59.10	LT	9					SAWCUT
PN 12	ROUTE 115	51+57.64	52+25.61	RT	13	68	663	74		DRIVEWAY
PN 12	ROUTE 115	51+61.06	52+54.62	LT	94	4	352	39		SIDEWALK
PN 12	ROUTE 115	51+63.17	52+13.10	RT	50					SAWCUT
PN 12	ROUTE 115	51+66.35	52+51.98	LT	86					CURB
PN 12	ROUTE 115	52+13.05	52+66.49	RT	51	4	211	23		SIDEWALK
PN 12	ROUTE 115	52+25.85	52+64.68	RT	39					CURB
PN 12	ROUTE 115	52+28.82	52+66.73	RT	38	5	187	21		PARKING LOT
PN 12	ROUTE 115	52+32.36	52+46.74	RT					3	PARKING BLOCKS
PN 12	ROUTE 115	52+51.98	52+77.06	LT	7	25	136	15		DRIVEWAY
PN 12	ROUTE 115	52+64.38	53+02.43	RT	13	38	391	43		DRIVEWAY
PN 12	ROUTE 115	52+66.41	52+95.24	RT	34					SAWCUT
PN 12	ROUTE 115	52+74.56	53+14.86	LT	40	4	184	20		SIDEWALK
PN 12	ROUTE 115	52+77.06	53+12.31	LT	35					CURB
PN 12	ROUTE 115	53+12.29	53+36.90	LT	7	25	136	15		DRIVEWAY
PN 12	ROUTE 115	53+31.19	53+68.26	RT	8	37	244	27		DRIVEWAY
PN 12	ROUTE 115	53+34.72	54+10.59	LT	16	4	61	7		SIDEWALK
PN 12	ROUTE 115	53+34.94	53+64.76	RT	31					SAWCUT
PN 12	ROUTE 115	53+37.05	53+47.97	LT	11					CURB
PN 12	ROUTE 115	53+47.95	53+88.47	LT	12	41	423	47		DRIVEWAY
PN 12	ROUTE 115	53+48.29		LT					1	BOLLARD
PN 12	ROUTE 115	53+50.07	53+86.62	LT	47					SAWCUT
PN 12	ROUTE 115	53+50.64		LT					1	BOLLARD
PN 12	ROUTE 115	53+64.85	54+66.10	RT	101	4	409	45		SIDEWALK
PN 12	ROUTE 115	53+68.12	54+62.05	RT	93					CURB
PN 12	ROUTE 115	53+86.45	54+10.46	LT	24	5	120	13		PARKING LOT
PN 12	ROUTE 115	53+86.64	54+10.56	LT	24	4	101	11		SIDEWALK
PN 12	ROUTE 115	53+87.81		LT					1	BOLLARD FOUNDATION
PN 12	ROUTE 115	53+87.86		LT					1	BOLLARD FOUNDATION
PN 12	ROUTE 115	53+88.12	54+09.14	LT	21					CURB
PN 12	ROUTE 115	54+08.91	54+55.31	LT	12	46	492	55		DRIVEWAY
PN 12	ROUTE 115	54+10.49	54+50.73	LT	50					SAWCUT
PN 12	ROUTE 115	54+50.73	54+93.78	LT	42	5	212	24		PARKING LOT
PN 12	ROUTE 115	54+50.74	54+93.93	LT	41	4	171	19		SIDEWALK
PN 12	ROUTE 115	54+55.30	54+83.57	LT	28					CURB
PN 12	ROUTE 115	54+62.05	54+96.49	RT	8	34	218	24		DRIVEWAY
PN 12	ROUTE 115	54+66.09	54+91.86	RT	26					SAWCUT
PN 12	ROUTE 115	54+83.57	55+40.20	LT	12	57	517	57		DRIVEWAY
PN 12	ROUTE 115	54+92.22	55+46.08	RT	55	4	212	24		SIDEWALK
PN 12	ROUTE 115	54+92.25	55+35.24	LT	50					SAWCUT
PN 12	ROUTE 115	54+96.34	55+45.07	RT	49					CURB
PN 12-13	ROUTE 115	55+33.62	55+57.12	LT	23	4	88	10		SIDEWALK
PN 12-13	ROUTE 115	55+39.90	55+51.24	LT	12					CURB
PN 12-13	ROUTE 115	55+44.55	55+74.21	RT	12	30	325	36		DRIVEWAY
PN 12-13	ROUTE 115	55+44.61	55+72.98	RT	28					SAWCUT
PN 12-13	ROUTE 115	55+33.79	55+57.48	LT	22	5	111	12		PARKING LOT
PN 13	HANLEY RD	11+09.34	11+11.77	RT & LT	60					SAWCUT
PN 13	HANLEY RD	13+62.27	13+64.00	RT & LT	60					SAWCUT
PN 13	ROUTE 115	55+50.00	59+22.22	RT	402					SAWCUT
PN 13	ROUTE 115	55+50.00	59+22.22	LT	403					SAWCUT
PN 13	ROUTE 115	55+51.09	55+90.08	LT	12	39	398	44		DRIVEWAY
PN 13	ROUTE 115	55+56.06	55+87.64	LT	40					SAWCUT
PN 13	ROUTE 115	55+71.50	56+22.25	RT	51	4	204	23		SIDEWALK
PN 13	ROUTE 115	55+74.21	56+19.34	RT	46					CURB
PN 13	ROUTE 115	55+87.03	55+96.72	LT	6	5	36	4		PARKING LOT
PN 13	ROUTE 115	55+88.42	56+24.71	LT	74	5	342	38		SIDEWALK
PN 13	ROUTE 115	55+90.04	56+24.72	LT	78					CURB
PN 13	ROUTE 115	55+92.98		LT					1	SIGN FOUNDATION
PN 13	ROUTE 115	55+95.07		LT					1	SIGN FOUNDATION
PN 13	ROUTE 115	56+08.54		LT					1	TREE/SHRUB
PN 13	ROUTE 115	56+11.00	56+21.87	RT	11	4	40	4		PARKING LOT
PN 13	ROUTE 115	56+13.20		LT					1	TREE/SHRUB
PN 13	ROUTE 115	56+19.08	56+33.49	RT	10	14	103	11		DRIVEWAY

REMOVAL OF IMPROVEMENTS CONT. (6 OF 7)

SHEET	ROADWAY	FROM STATION	TO STATION	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION
PN 13	ROUTE 115	56+21.87	56+31.60	RT	17					SAWCUT
PN 13	ROUTE 115	56+30.97	57+06.77	RT	90	VARIES	453	50		SIDEWALK
PN 13	ROUTE 115	56+31.70	56+82.81	RT	53	4	196	22		PARKING LOT
PN 13	ROUTE 115	56+33.04	57+06.25	RT	88					CURB
PN 13	ROUTE 115	56+35.08	56+53.65	LT	18	VARIES	200	22		MEDIAN
PN 13	ROUTE 115	57+11.54	57+85.71	LT	80	VARIES	689	77		SIDEWALK
PN 13	ROUTE 115	57+11.54	57+80.41	LT	80					CURB
PN 13	ROUTE 115	57+62.70	57+86.08	RT	24	VARIES	241	27		MEDIAN
PN 13	ROUTE 115	57+83.01	58+22.19	RT	95	5	425	47		SIDEWALK
PN 13	ROUTE 115	57+83.01	58+22.12	RT	95					CURB
PN 14	BOLBECHER RD.	11+50.00	16+50.00	RT	485					SAWCUT
PN 14	BOLBECHER RD.	11+50.00	16+50.00	LT	516					SAWCUT
PN 15	BOLBECHER RD.	16+50.00	21+08.35	RT	480					SAWCUT
PN 15	BOLBECHER RD.	16+50.00	21+08.35	LT	475					SAWCUT
SN 1	ROUTE 115	03+42.44		RT					1	SIGN
SN 1	ROUTE 115	03+91.16		RT					1	SIGN
SN 1	ROUTE 115	06+91.76		RT					1	SIGN
SN 1	ROUTE 115	07+01.51		RT					1	SIGN
SN 2	ROUTE 115	11+96.97		RT					1	SIGN
SN 3	ROUTE 115	14+45.80		RT					1	SIGN
SN 3	ROUTE 115	15+79.75		RT					1	SIGN
SN 3	ROUTE 115	16+52.26		LT					1	SIGN
SN 3	ROUTE 115	16+72.52		LT					1	SIGN
SN 4	ROUTE 115	18+36.83		RT					1	SIGN
SN 4	ROUTE 115	18+39.11		RT					1	SIGN
SN 4	ROUTE 115	19+63.32		RT					1	SIGN
SN 4	ROUTE 115	21+13.35		C					1	SIGN
SN 4	ROUTE 115	21+16.24		C					1	SIGN
SN 4	ROUTE 115	21+69.04		C					1	SIGN
SN 5	ROUTE 115	23+28.32		RT					1	SIGN
SN 5	ROUTE 115	23+34.29		C					1	SIGN
SN 5	ROUTE 115	23+64.11		C					1	SIGN
SN 5	ROUTE 115	23+91.87		C					1	SIGN
SN 5	ROUTE 115	24+08.77		RT					1	SIGN
SN 5	ROUTE 115	25+12.94		C					1	SIGN
SN 5	ROUTE 115	25+37.43		C					1	SIGN
SN 5	ROUTE 115	26+04.66		C					1	SIGN
SN 5	ROUTE 115	26+42.81		C					1	SIGN
SN 6	ROUTE 115	30+15.82		C					1	SIGN
SN 6	ROUTE 115	31+76.05		C					1	SIGN
SN 6	ROUTE 115	32+06.51		C					1	SIGN
SN 7	ROUTE 115	33+67.65		C					1	SIGN
SN 7	ROUTE 115	33+99.20		C					1	SIGN
SN 7	ROUTE 115	34+30.04		C					1	SIGN
SN 8	ROUTE 115	39+73.85		RT					1	SIGN
SN 8	ROUTE 115	41+09.16		RT					1	SIGN
SN 8	ROUTE 115	41+82.90		LT					1	SIGN
SN 9	ROUTE 115	42+73.35		LT					1	SIGN
SN 9	ROUTE 115	44+84.92		RT					1	SIGN
SN 10	ROUTE 115	48+55.51		LT					1	SIGN
SN 10	ROUTE 115	49+15.77		LT					1	SIGN
SN 10	ROUTE 115	50+52.11		RT					1	SIGN
SN 10	ROUTE 115	50+71.23		LT					1	SIGN
SN 10	ROUTE 115	51+46.68		RT					1	SIGN
SN 11	ROUTE 115	53+03.65		RT					1	SIGN
SN 11	ROUTE 115	53+18.47		RT					1	SIGN
SN 11	ROUTE 115	55+07.76		RT					1	SIGN
SG 7	ROUTE 115	12+65.25		LT					1	ITS PULL BOX
SG 7	ROUTE 115	12+75.23		LT					1	SIGNAL PULL BOX
SG 7	ROUTE 115	12+82.44		LT					1	SIGNAL CONTROLLER
SG 7	ROUTE 115	12+87.94		LT					1	POWER SUPPLY

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.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
3 OF 26

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

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

REMOVAL OF IMPROVEMENTS CONT. (7 OF 7)

SHEET	ROADWAY	FROM STATION	TO STATION	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SF)	AREA (SY)	EACH	DESCRIPTION
SG 7	ROUTE 115	13+22.05		RT					1	SIGNAL PULL BOX
SG 7	ROUTE 115	13+26.80		LT					1	SIGNAL POLE W/ 2 MAST ARMS
SG 7	ROUTE 115	13+33.81		LT					1	SIGNAL PULL BOX
SG 7	ROUTE 115	13+35.19		RT					1	SIGNAL POLE W/ 1 MAST ARM
SG 7	ROUTE 115	13+39.77		LT					1	SIGNAL PULL BOX
SG 7	ROUTE 115	13+99.48		LT					1	SIGNAL POLE W/ 1 MAST ARM
SG 7	ROUTE 115	14+01.65		LT					1	SIGNAL PULL BOX
SG 7	ROUTE 115	14+08.22		RT					1	SIGNAL POLE W/ 2 MAST ARMS
SG 13	ROUTE 115	56+43.53		LT					1	SIGNAL PULL BOX
SG 13	ROUTE 115	56+44.11		LT					1	SIGNAL PULL BOX
SG 13	ROUTE 115	56+48.21		LT					1	SIGNAL POLE W/ 1 MAST ARM
SG 13	ROUTE 115	56+99.69		RT					1	SIGNAL POLE W/ 1 MAST ARM
SG 13	ROUTE 115	57+00.12		RT					1	SIGNAL PULL BOX (DOUBLE)
SG 13	ROUTE 115	57+02.65		RT					1	SIGNAL CONTROLLER
SG 13	ROUTE 115	57+04.75		RT					1	ITS PULL BOX
SG 13	ROUTE 115	57+11.49		RT					1	POWER SUPPLY (ON POLE)
SG 13	ROUTE 115	57+28.00		LT					1	SIGNAL POLE W/ 1 MAST ARM
SG 13	ROUTE 115	57+67.46		LT					1	TOP MOUNT SIGNAL POST
SG 13	ROUTE 115	57+70.80		RT					1	SIGNAL POLE W/ 1 MAST ARM
SG 13	ROUTE 115	57+71.80		RT					1	SIGNAL PULL BOX
SG 13	ROUTE 115	57+72.30		LT					1	SIGNAL PULL BOX
LT 2	ROUTE 115	12+29.78		RT					1	45' MODOT LIGHT
LT 3	ROUTE 115	13+07.66		LT					1	30' MODOT LIGHT
LT 3	ROUTE 115	14+22.74		RT					1	45' MODOT LIGHT
LT 3	ROUTE 115	14+60.83		LT					1	30' MODOT LIGHT
LT 3-LT12	ROUTE 115	12+65.25	57+04.75	LT/RT	5050					FIBER OPTIC CABLE
PN 5-PN 8	ROUTE 115	17+70.23	34+30.80	LT	1660	VARIES	18046	2005		SHOULDER
PN 5	ROUTE 115	17+70.23	20+48.17	LT	278					SAWCUT
PN 5-PN 6	ROUTE 115	21+11.67	22+91.79	LT	180					SAWCUT
PN 6	ROUTE 115	23+33.78	25+33.81	LT	200					SAWCUT
PN 6-PN 7	ROUTE 115	25+96.82	29+60.63	LT	364					SAWCUT
PN 7	ROUTE 115	29+95.03	31+05.55	LT	111					SAWCUT
PN 7-PN 8	ROUTE 115	31+47.58	34+30.80	LT	283					SAWCUT
TOTAL										**1 LUMP SUM**

NOTE: QUANTIFIED SAWCUTS MAY NOT BE AN EXACT TOAL OF SAWCUTS REQUIRED. ALL REQURED SAWCUTS, REGARDLESS IF LISTED ABOVE, SHALL BE INCLUDED IN THE LUMP SUM COST FOR REMOVAL OF IMPROVEMENTS.

LINEAR GRADING

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	LINEAR GRADING CLASS 2 - MODIFIED (STA)	REMARKS
2	4+02.02	5+40.36	ROUTE 115	RT	1.4	
2	5+59.14	5+89.41	ROUTE 115	RT	0.4	ALONG MEDIAN
2	6+37.28	6+86.68	ROUTE 115	RT	0.5	ALONG MEDIAN
2-3	7+09.70	12+18.91	ROUTE 115	RT	5.1	
3	12+80.92	13+39.86	ROUTE 115	RT	0.6	ALONG MEDIAN
3	13+95.33	14+12.38	ROUTE 115	RT	0.3	ALONG MEDIAN
3	10+84.03	11+57.16	SPRINGDALE	RT	0.6	
3	13+95.63	14+22.82	ROUTE 115	LT	0.3	ALONG MEDIAN
3	13+96.86	14+13.64	ROUTE 115	C	0.2	ALONG MEDIAN
3-13	14+33.69	55+99.11	ROUTE 115	LT	32.8	
3-13	14+43.46	56+53.16	ROUTE 115	RT	33.7	
13	56+30.65	56+53.97	ROUTE 115	LT	0.2	ALONG MEDIAN
10	10+72.94	11+18.22	RAMONA	RT	0.4	
13	57+61.02	57+89.63	ROUTE 115	RT	0.3	ALONG MEDIAN
13	11+10.28	11+98.97	N HANLEY	LT	0.7	
13	11+10.28	11+98.97	N HANLEY	RT	0.2	
13	12+63.62	13+63.32	N HANLEY	LT	0.4	
13	12+63.62	13+63.32	N HANLEY	RT	0.7	
TOTAL					**78.8**	

NOTE: LINEAR GRADING ALONG CURB RAMPS IS INCLUDED IN THE COST OF CURB RAMPS PER JSP.
NOTE: PAVEMENT EDGE TREATMENT IS INCLUDED IN THE COST OF LINEAR GRADING CLASS 2 - MODIFIED.

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.

MOBILIZATION

TOTAL = 1 LUMP SUM

ADDITIONAL MOBILIZATION FOR SEEDING

TOTAL = 6 EA

CONTRACTOR FURNISHED SURVEYING AND STAKING

TOTAL = 1 LUMP SUM

CLEARING AND GRUBBING

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	CLEARING AND GRUBBING (ACRE)	REMARKS
7-8	24+69.10	28+07.32	ROUTE 115	RT	0.02	
7	28+11.33	31+07.69	ROUTE 115	RT	0.15	
15	55+93.54	56+15.42	ROUTE 115	LT	0.01	
					0.18	SUBTOTAL
TOTAL					**1.0**	

NOTES:
1. CLEARING AND GRUBBING INCLUDES ALL TREE AND SHRUB REMOVALS SHOWN ON THE PLANS.

EARTHWORK

ROADWAY	CUT	FILL	CLASS A EXCAVATION (CUYD)	COMPACTING EMBANKMENT (CUYD)	REMARKS
PAVEMENT WIDENING	209	14	209	14	
DITCH REGRADING	330	7	330	7	
TYPE C BARRIER (RET WALL)	41	264	41	264	
					208 CUYD EXCESS EMBANKMENT
		TOTAL	**580**	**285**	

NOTE: 15% SHRINK ASSUMED DURING COMPACTION

JENNIFER L. HUBER
NUMBER PE-2022000257
STATE OF MISSOURI
PROFESSIONAL ENGINEER
03/06/2024 9:25:08 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 3/6/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

REV.	DESCRIPTION	DATE

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
4 OF 26

ADJUST TO GRADE (1 OF 2)

PLAN SHEET	STATION	ROADWAY	LOCATION	ADJUST TO GRADE WATER VALVE (EA)	ADJUST TO GRADE WATER METER (EA)	ADJUSTING MANHOLE (EA)	ADJUST TO GRADE GAS UTILITY (BY OTHERS) (EA)	ADJUST TO GRADE TELEPHONE UTILITY (BY OTHERS) (EA)	ADJUSTING BASIN OR INLET (EA)	REMARKS
2	04+91.11	ROUTE 115	RT			1				
2	05+04.18	ROUTE 115	LT						1	
2	06+59.92	ROUTE 115	LT						1	
2	07+18.55	ROUTE 115	RT				1			
3	08+13.88	ROUTE 115	LT						1	
3	08+27.32	ROUTE 115	RT						1	
3	08+27.63	ROUTE 115	C						1	
3	09+40.72	ROUTE 115	LT						1	
3	09+91.45	ROUTE 115	RT						1	
4	13+14.42	ROUTE 115	RT						1	
4	14+01.23	ROUTE 115	LT			1				
4	14+18.15	ROUTE 115	C						1	
4	17+19.94	ROUTE 115	RT	1						
5	17+58.41	ROUTE 115	RT				1			
5	18+02.08	ROUTE 115	C						1	
5	18+86.56	ROUTE 115	RT						1	
5	19+54.50	ROUTE 115	LT					1		
5	19+61.49	ROUTE 115	RT					1		
5	21+12.81	ROUTE 115	RT	1						
6	24+06.27	ROUTE 115	RT			1				
6	26+64.18	ROUTE 115	RT			1				
6	27+42.63	ROUTE 115	RT	1						
7	30+04.12	ROUTE 115	RT			1				
7	31+70.05	ROUTE 115	C	1						
8	33+29.62	ROUTE 115	RT						1	
8	33+50.81	ROUTE 115	RT						1	
8	33+51.88	ROUTE 115	RT			1				
8	35+40.74	ROUTE 115	LT						1	
8	35+41.64	ROUTE 115	RT						1	
8	35+43.47	ROUTE 115	RT			1				
8	35+99.16	ROUTE 115	RT	1						
8	36+08.45	ROUTE 115	RT			1				
8	36+59.20	ROUTE 115	RT			1				
8	36+59.33	ROUTE 115	RT				1			
9	38+32.53	ROUTE 115	RT						1	
9	38+33.20	ROUTE 115	RT			1				
9	39+68.41	ROUTE 115	RT			1				
9	39+73.26	ROUTE 115	RT	1						
9	40+51.04	ROUTE 115	RT				1			
9	40+57.98	ROUTE 115	RT				1			
9	41+01.24	ROUTE 115	LT	1						
9	41+04.86	ROUTE 115	LT				1			
9	41+04.98	ROUTE 115	LT			1				
10	42+99.26	ROUTE 115	RT			1				
10	43+02.34	ROUTE 115	LT			1				
10	43+58.63	ROUTE 115	RT						1	
10	43+58.95	ROUTE 115	LT						1	
10	43+59.00	ROUTE 115	LT			1				
10	43+67.66	ROUTE 115	RT	1						
10	43+77.04	ROUTE 115	LT				1			
10	43+78.50	ROUTE 115	RT				1			
10	44+00.60	ROUTE 115	LT		1					
10	44+35.16	ROUTE 115	LT		1					
10	45+02.00	ROUTE 115	LT			1				
10	45+85.55	ROUTE 115	RT		1					
10	46+00.72	ROUTE 115	LT				1			
11	46+69.06	ROUTE 115	RT			1				
11	46+69.76	ROUTE 115	LT			1				
11	47+02.69	ROUTE 115	LT	1						
11	47+14.48	ROUTE 115	RT						1	
11	47+17.70	ROUTE 115	LT			1				
11	47+17.55	ROUTE 115	LT						1	
11	47+59.74	ROUTE 115	LT	1						
11	47+60.78	ROUTE 115	LT	1						
11	47+99.57	ROUTE 115	LT	1						
11	48+45.34	ROUTE 115	LT	1						
11	48+82.61	ROUTE 115	RT			1				
11	48+83.45	ROUTE 115	LT			1				
11	49+25.50	ROUTE 115	LT						1	
11	49+35.02	ROUTE 115	LT			1				
SUBTOTAL				**13**	**3**	**22**	**9**	**2**	**21**	

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
5 OF 26

ADJUST TO GRADE CONT. (2 OF 2)

PLAN SHEET	STATION	ROADWAY	LOCATION	ADJUST TO GRADE WATER VALVE (EA)	ADJUST TO GRADE WATER METER (EA)	ADJUSTING MANHOLE (EA)	ADJUST TO GRADE GAS UTILITY (BY OTHERS) (EA)	ADJUST TO GRADE TELEPHONE UTILITY (BY OTHERS) (EA)	ADJUSTING BASIN OR INLET (EA)	REMARKS
11	49+36.81	ROUTE 115	LT						1	
11	49+51.75	ROUTE 115	LT						1	
11	49+51.96	ROUTE 115	LT			1				
11	50+03.48	ROUTE 115	LT	1						
11	50+17.24	ROUTE 115	RT				1			
11	50+98.79	ROUTE 115	RT			1				
11	50+51.83	ROUTE 115	LT		1					
12	51+97.93	ROUTE 115	LT			1				
12	52+40.28	ROUTE 115	LT			1				
12	52+40.35	ROUTE 115	LT						1	
12	52+40.59	ROUTE 115	RT						1	
12	52+46.92	ROUTE 115	LT				1			
12	52+50.21	ROUTE 115	LT					1		
12	52+60.11	ROUTE 115	RT	1						
12	52+82.01	ROUTE 115	LT				1			
12	54+02.93	ROUTE 115	RT				1			
12	55+18.81	ROUTE 115	LT				1			
12	55+44.12	ROUTE 115	RT		1					
13	55+99.43	ROUTE 115	RT				1			
13	56+70.00	ROUTE 115	RT	1						
13	56+70.01	ROUTE 115	RT		1					
13	56+79.11	ROUTE 115	LT				1			
13	56+80.61	ROUTE 115	LT				1			
13	56+83.26	ROUTE 115	RT				1			
13	57+01.79	ROUTE 115	LT	1						
13	57+19.95	ROUTE 115	LT					1		
13	57+29.66	ROUTE 115	LT				1			
13	57+71.75	ROUTE 115	LT				1			
13	57+78.39	ROUTE 115	RT	1						
13	57+80.90	ROUTE 115	RT	1						
				20	20					VARIOUS LOCATIONS
TABLE 1 SUBTOTAL				13	3	22	9	2	21	
TOTAL				**39**	**26**	**26**	**20**	**4**	**25**	

PAVEMENT MARKINGS - PAVEMENT JOINT REPAIR

PAVEMENT JOINT REPAIRPLAN SHEET	STATION PPAVEMENT JOINT REPAIR		ROADWAY PLAN SHEET	LOCATION	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	6 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	12 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. YELLOW (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 6 IN WHITE (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT (EA)	PAVEMENT MARKING REMOVAL (SYMBOLS) (EA)	PAVEMENT MARKING REMOVAL (LF)	REMARKS
1-2	393+01.03	400+76.00	EB ROUTE 115	LT/RT/C		1000	785				24			2	2	4		TO NATURAL BRIDGE INTERSECTION
2-3	389+11.96	392+70.30	WB ROUTE 115	LT/RT/C		645	367	191										TO NATURAL BRIDGE INTERSECTION,
3-6	400+76.00	416+27.66	EB ROUTE 115	LT/RT/C		2275	1438			123	50		11	6		14		NATURAL BRIDGE TO BROWN ROAD
2-6	392+70.30	407+73.47	WB ROUTE 115	LT/RT/C		2467	1431			95	54		5	6		11		NATURAL BRIDGE TO BROWN ROAD
2-3	-	-	EB ROUTE 115	LT/RT/C	351	1033			126		19	7					237	NATURAL BRIDGE SIDE ROAD, INCLUDING TURN THROUGH ISLAND
6	-	-	BROWN RD	LT/RT/C	445	1095				148	91	10		2	2	4		INTERSECTIONS AT ROUTE 115 AND BROWN RD
6-14	416+27.66	457+24.07	EB ROUTE 115	LT/RT/C		4861	3851											
6-14	407+73.47	449+45.78	WB ROUTE 115	LT/RT/C		5337	3938		49	126			6	6		12		
14	1+00.00	2+96.36	ROUTE 115	LT/RT		490	392											REMAINDER OF EB 115 AND WB 115
7	-	-	MARSHALL AVE	LT/RT/C	390						42							
8	-	-	MCKIBBON	LT/RT/C	520						45							
13	-	-	KOENIG DR	LT/RT/C	136						45							
																	237	SUBTOTAL - SEE TEMPORARY PAVEMENT MARKINGS SCHEDULE FOR TOTAL
					1843	19204			175		371	17	22	22	4			SUBTOTAL - SEE PAVEMENT MARKINGS SCHEDULE FOR TOTAL
TOTAL					**-**	**-**	**12202**	**191**	**-**	**492**	**-**	**-**	**-**	**-**	**-**	**45**	**-**	

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

03/06/2024 9:25:08 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

REV.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
6 OF 26

MILLING/OVERLAY, SHOULDER, AND OPTIONAL PAVEMENT

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS) (SQYD)	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (GREATER THAN 3 IN. THICK) (SQYD)	ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP125CLP MIX) (TONS)	ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP190C MIX) (TONS)	TACK COAT - LOW OR NON-TRACKING (GAL)	OPTIONAL PAVEMENT (SQYD)	TYPE 5 AGGREGATE BASE (6 IN. THICK) (SQYD)	TYPE A2 SHOULDER (SQYD)	TYPE 5 AGGREGATE BASE (4 IN. THICK) (SQYD)	REMARKS
2	2+95.43	7+50.00	ROUTE 115	LT & RT		4328	473.7	713.0	433					
2-3	6+40.16	9+16.48	ROUTE 115	LT						111.8	112			
3	7+50.00	12+50.00	ROUTE 115	LT & RT		4976	544.6	819.8	498					
4	12+50.00	17+50.00	ROUTE 115	LT & RT		5698	623.6	938.7	570					
4	13+65.74	13+69.97	ROUTE 115	RT						5.1	5			SPRINGDALE INTERSECTION NB MEDIAN STRIP
4	14+06.79	14+13.65	ROUTE 115	C						23.4	23			SPRINGDALE INTERSECTION WB MEDIAN STRIP
5	17+50.00	22+50.00	ROUTE 115	LT & RT		3028	331.4	498.9	303					
5-6	18+86.36	23+01.01	ROUTE 115	C						1138.1	1138			
6	22+50.00	27+50.00	ROUTE 115	LT & RT		2440	267.0	402.0	244					
6	23+22.06	25+42.93	ROUTE 115	C						646.4	646			
6-8	25+70.10	34+41.74	ROUTE 115	C						1386.5	1387			
7	27+50.00	32+50.00	ROUTE 115	LT & RT		2406	263.3	396.4	241					
8	32+50.00	33+06.71	ROUTE 115	LT & RT		295	32.3	48.6	30					
8	33+06.71	37+50.00	ROUTE 115	LT & RT	2714		297.0		271					
9	37+50.00	42+00.00	ROUTE 115	LT & RT	2961		324.1		296					
9	10+50.30	11+01.24	LADA	LT & RT	144		15.8		14					LADA AVE.
10	42+00.00	46+50.00	ROUTE 115	LT & RT	2994		327.7		299					
11	46+50.00	51+50.00	ROUTE 115	LT & RT	3322		363.6		332					
12	51+50.00	55+50.00	ROUTE 115	LT & RT	2657		290.8		266					
13	55+50.00	59+22.35	ROUTE 115	LT & RT	2330		255.0		233					
2	10+16.69	11+50.00	BOLBECHER	LT & RT	599		98.3		60					BOLBECHER RD
14	10+12.85	16+50.00	BOLBECHER	LT & RT	2057		337.7		206					BOLBECHER RD
15	16+50.00	21+10.24	BOLBECHER	LT & RT	1885		309.5		189					BOLBECHER RD
5	17+70.23	20+48.17	ROUTE 115	LT								259	259	
5-6	21+11.67	22+91.79	ROUTE 115	LT								178	178	
6	23+33.78	25+33.81	ROUTE 115	LT								211	211	
6-7	25+96.82	29+60.63	ROUTE 115	LT								442	442	
7	29+95.03	31+05.55	ROUTE 115	LT								157	157	
7-8	31+47.58	34+30.80	ROUTE 115	LT						335.5	336			
													1248	SUBTOTAL - SEE SIDEWALK, CURB RAMP, AND SLOPE PROTECTION SCHEDULE
					3605		394.6							PAVEMENT JOINT REPAIR SUBTOTAL
		TOTAL			**25268**	**23171**	**5550.0**	**3817.4**	**4483**	**3646.8**	**3647**	**1248**	**-**	

NOTE: EXISTING CONCRETE UTILITY TRENCHES SHALL BE MILLED AND ARE INCLUDED IN COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING.

PAVEMENT JOINT REPAIR

PAVEMENT JOINT REPAIR PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS) (SQYD)	ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP125CLP MIX) (TONS)	ASPHALT SEAL EMULSION (GAL)	REMARKS
1-14	393+01.03	457+24.07	EB ROUTE 115	C	1413	154.6	282.6	
14	1+00.00	2+96.14	ROUTE 115	RT	43	4.7	8.6	
14	1+00.00	2+96.14	ROUTE 115	LT	44	4.8	8.8	
2-14	389+11.89	449+45.78	WB ROUTE 115	C	1341	146.8	268.2	
3	400+35.80	401+11.05	EB ROUTE 115	LT	17	1.9	3.4	
3	400+34.67	400+99.55	EB ROUTE 115	RT	14	1.5	2.8	
3-4	401+78.63	408+18.40	EB ROUTE 115	LT	143	15.7	28.6	
3-4	403+08.61	405+18.33	EB ROUTE 115	RT	46	5.0	9.2	
5-6	412+83.81	416+47.30	EB ROUTE 115	LT	81	8.9	16.2	
5-6	413+29.30	416+84.78	EB ROUTE 115	RT	79	8.6	15.8	
2-3	391+44.50	395+52.27	WB ROUTE 115	LT	90	9.9	18.0	
3	392+02.69	392+58.51	WB ROUTE 115	RT	12	1.3	2.4	
3	393+04.36	396+14.70	WB ROUTE 115	RT	69	7.6	13.8	
5-6	404+66.73	410+75.79	WB ROUTE 115	RT	135	14.8	27.0	
6	406+49.82	407+02.18	WB ROUTE 115	LT	12	1.3	2.4	
6	407+33.49	410+30.00	WB ROUTE 115	LT	66	7.2	13.2	
					3605	394.6		SUBTOTAL - SEE MILLING/OVERLAY AND PAVEMENT QUANTITIES
TOTAL					**–**	**--**	**721**	

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.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
7 OF 26

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

03/06/2024 9:25:08 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
ENGINEERING CORPORATION - 000631
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
© Copyright CMT, Inc.

CONCRETE CURB (1 OF 2)

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	CONCRETE CURB LOW PROFILE TYPE F (LF)	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A (LF)	CONCRETE GUTTER TYPE B (LF)	CURB AND GUTTER TYPE B (LF)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	REMARKS
2	3+81.16	3+80.76	ROUTE 115	RT	6						ENGLER
2	4+01.94	5+42.08	ROUTE 115	RT	142						
2-3	7+07.3	12+18.9	ROUTE 115	RT	504						
4	13+94.07	15+87.19	ROUTE 115	LT					192	85	
4	13+91.35	14+13.99	ROUTE 115	RT					84	37	SPRINGDALE
4	14+23.6	17+11.18	ROUTE 115	RT					290	129	
4	16+52.87	17+09.22	ROUTE 115	LT					56	25	
5	17+85.39	19+03.4	ROUTE 115	RT					122	54	
5	17+89.85	20+05.02	ROUTE 115	LT			234				
5	19+96.74	20+87.46	ROUTE 115	RT					114	51	
5	20+87.46	21+21.45	ROUTE 115	RT					32	14	SARGENT
5-6	21+61.56	22+79.33	ROUTE 115	RT	118						
6	23+44.38	25+81.84	ROUTE 115	RT	229						
6-7	25+94.1	30+22.94	ROUTE 115	C	868						MEDIAN
6	26+33.09	26+41.38	ROUTE 115	RT	8						
6	26+87.3	27+05.73	ROUTE 115	RT	18						
6-7	27+55.42	30+19.18	ROUTE 115	RT		263					
7	30+19.18	30+97.55	ROUTE 115	RT	74						
7	28+99.51	30+55.26	ROUTE 115	RT				156			BEHIND RETAINING WALL
7-8	31+83.45	32+71.05	ROUTE 115	RT	83						
8	32+78.05	32+93.59	ROUTE 115	RT	18						
8	33+68.43	34+64.27	ROUTE 115	RT	96						
8	34+99.27	35+51.34	ROUTE 115	RT	52						
8	35+08.58	35+96.47	ROUTE 115	LT	89						
8	36+10.47	36+14.77	ROUTE 115	RT	4						
8	36+61.92	37+12.34	ROUTE 115	LT	50						
8	37+13.04	37+38.7	ROUTE 115	RT	26						
9	37+83.83	38+04.62	ROUTE 115	LT	21						
9	37+88.24	38+04.83	ROUTE 115	RT	17						
9	38+37.11	38+87.19	ROUTE 115	RT	50						
9	39+24.37	39+98.01	ROUTE 115	LT	73						
9	39+53.16	39+99.19	ROUTE 115	RT	46						
9	40+60.8	41+22.15	ROUTE 115	RT	61						
9	40+60.88	40+82.67	ROUTE 115	RT			17				
9	40+72.2	41+12.44	ROUTE 115	LT	41						
9	40+86.89	41+04.54	ROUTE 115	RT			18				
9	41+07.04	41+21.9	ROUTE 115	RT			7				
9	41+29.64	41+71.68	ROUTE 115	LT	42						
9	41+65.18	41+71.99	ROUTE 115	RT	7						
9	41+78.51	41+85.55	ROUTE 115	RT	7						
9-10	41+78.71	42+02.45	ROUTE 115	LT	24						
10	42+11.27	42+26.5	ROUTE 115	RT	16						
10	42+27.27	43+00.19	ROUTE 115	LT	73						
10	43+17.18	43+42.28	ROUTE 115	LT	25						
10	43+26.59	43+85.63	ROUTE 115	RT	59						
10	43+59.53	43+80.99	ROUTE 115	LT	22						
10	43+99.15	44+18.2	ROUTE 115	LT	19						
10	44+37.75	44+69.77	ROUTE 115	LT	32						
10	44+44.63	44+62.68	ROUTE 115	LT			14				
10	44+55.66	45+23.98	ROUTE 115	RT	68						
10	44+87.87	45+19.96	ROUTE 115	LT	32						
10	45+38.26	45+57.09	ROUTE 115	LT	19						
10	45+74.27	45+97.81	ROUTE 115	RT	23						
10	45+76.14	45+99.13	ROUTE 115	LT	23						
10	46+17.03	46+38.06	ROUTE 115	LT	21						
10	46+23.75	46+27.65	ROUTE 115	LT			4				
11	46+56.55	47+19.66	ROUTE 115	LT	63						
11	47+13.87	48+48.23	ROUTE 115	RT	134						
11	47+41.19	47+62.35	ROUTE 115	LT	21						
11	47+46.52	47+55.41	ROUTE 115	LT			5				
11	47+81.89	48+12.27	ROUTE 115	LT	31						
11	47+93.46	48+16.66	ROUTE 115	LT			12				
11	48+30.96	48+61.2	ROUTE 115	LT	30						
11	48+82.92	49+12.83	ROUTE 115	LT	30						
11	48+68.72	48+97.68	ROUTE 115	RT	29						
11	49+24.35	50+56.16	ROUTE 115	RT	132						
										395	SUBTOTAL - SEE SIDEWALK, CURB RAMP, AND SLOPE PROTECTION SCHEDULE
SUBTOTAL					**3677**	**263**	**311**	**156**	**890**	**-**	

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
8 OF 26

CONCRETE CURB CONT. (2 OF 2)

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	CONCRETE CURB LOW PROFILE TYPE F (LF)	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A (LF)	CONCRETE GUTTER TYPE B (LF)	CURB AND GUTTER TYPE B (LF)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	REMARKS
11	49+50.24	49+82.54	ROUTE 115	LT	32						
11	49+59.92	49+76.08	ROUTE 115	LT			12				
11	50+11.79	50+45.15	ROUTE 115	LT	33						
11	50+18.44	50+37.66	ROUTE 115	LT			16				
11	50+63.88	50+96.33	ROUTE 115	LT	32						
11	50+70.4	50+89.7	ROUTE 115	LT			16				
11-12	51+08.63	51+59.93	ROUTE 115	RT	51						
11	51+15.21	51+46.35	ROUTE 115	LT	31						
12	51+65.06	52+52.26	ROUTE 115	LT	87						
12	52+16.18	52+63.23	ROUTE 115	RT	47						
12	52+77.51	53+11.22	ROUTE 115	LT	34						
12	53+02.28	53+31.19	ROUTE 115	RT	29						
12	53+36.64	53+47.24	ROUTE 115	LT	11						
12	53+68.27	54+62.06	ROUTE 115	RT	94						
12	53+89.41	54+07.8	ROUTE 115	LT	18						
12	54+53.91	54+83.6	ROUTE 115	LT	30						
12	54+96.79	55+42.12	ROUTE 115	RT	45						
12	55+41.56	55+49.74	ROUTE 115	LT	8						
13	55+75.84	56+16.91	ROUTE 115	RT	41						
13	56+46.24	56+53.05	ROUTE 115	RT	8						
13	57+42.05	57+60.25	ROUTE 115	LT	19						
13	56+00.43	56+14.95	ROUTE 115	LT	18						
13	56+24.56	56+25.49	ROUTE 115	LT	9						N. HANLEY
13	56+66.05	56+74.99	ROUTE 115	LT	14						N. HANLEY
13	56+82.35	56+91.07	ROUTE 115	RT	10						N. HANLEY
13	57+06.75	57+29.81	ROUTE 115	RT	64						N. HANLEY
13	57+12.05	57+14.35	ROUTE 115	LT	4						N. HANLEY
13	57+18.93	57+42.05	ROUTE 115	LT	29						N. HANLEY
13	57+33.35	57+50.92	ROUTE 115	LT			22				
13	57+67.22	57+85.63	ROUTE 115	LT	22						
13	57+85.66	57+56.76	ROUTE 115	RT	37						
13	58+04.2	58+09.66	ROUTE 115	RT	7						
13	58+10.63	58+21.12	ROUTE 115	RT	9						ALONG PARKING LOT
13	58+10.65	58+21.12	ROUTE 115	RT			6				
										395	SUBTOTAL - SEE SIDEWALK, CURB RAMP, AND SLOPE PROTECTION SCHEDULE
TABLE 1 SUBTOTAL					**3677**	**263**	**311**	**156**	**890**	**-**	
TOTAL					**4551**	**263**	**383**	**156**	**890**	**-**	

STAIRS AND FENCE

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	CLASS B CONCRETE (MISC.) (CUYD)	REINFORCING STEEL (LBS)	CONCRETE SIDEWALK, 4 IN. (SQYD)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	BLACK HAND-RAILING FOR STEPS WITH BALUSTERS (LF)	CHAIN-LINK FENCE (60 IN.) (LF)	BLACK ORNAMENTAL FENCE (42 IN.) (LF)	REMARKS
7	28+07.47	28+11.07	ROUTE 115	RT	1.87	90		7				PARCEL 52, 1 STAIR STEP
7	28+07.46	28+11.11	ROUTE 115	RT			1.2	1				FIRST LANDING
7	28+07.46	28+11.20	ROUTE 115	RT	0.66	30		3				PARCEL 52, 6 STAIR STEPS
7	28+07.53	28+11.36	ROUTE 115	RT			4.6	5				SECOND LANDING
7	28+07.68	28+11.48	ROUTE 115	RT	1.09	50		4				PARCEL 52, 8 STAIR STEPS
7	28+06.44	28+11.52	ROUTE 115	RT			2.6	3				TOP WALKWAY
7	28+07.47	28+11.48	ROUTE 115	RT					93			COLOR SHALL BE BLACK ON BOTH SIDES OF STAIRS
6-7	27+44.75	28+07.45	ROUTE 115	RT							63	
7	28+11.12	29+15.06	ROUTE 115	RT							128	
7	29+15.06	30+37.71	ROUTE 115	RT						122		
							8.4	22.4				SUBTOTAL - SEE SIDEWALK, CURB RAMP, AND SLOPE PROTECTION SCHEDULE
TOTAL					**3.6**	**170**	**--**	**--**	**93**	**122**	**191**	

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
9 OF 26

SIDEWALK, CURB RAMP, AND SLOPE PROTECTION (1 OF 2)

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	CONCRETE SIDEWALK, 4 IN. (SQYD)	CONCRETE SIDEWALK, 7 IN. (SQYD)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	ADA CURB RAMP (EACH)	TRUNCATED DOMES (SQFT)	SLOPE PROTECTION (SQYD)	REMARKS
2	10+64.93	10+87.75	ENGLER	RT				1	15		T1 PARALLEL CURB RAMP
2	3+81.24	5+57.56	ROUTE 115	RT	93.6		94	2	30		COMPOUND PERP. CURB RAMP, T1PARALLELCURB RAMP
2	5+68.73	5+87.96	ROUTE 115	RT		11.4	11		25		WITHIN ISLAND
2-3	6+41.03	8+59.84	ROUTE 115	LT						21	CONCRETE SLOPE PROTECTION BEHIND BARRIER
3	7+63.30	9+76.15	ROUTE 115	RT						37	CONCRETE SLOPE PROTECTION BEHIND BARRIER
2	6+37.85	6+78.59	ROUTE 115	RT		25.8	26		25		WITHIN ISLAND
2	6+92.74	12+59.24	ROUTE 115	RT	207.0	277.5	485	2	73		T1PARALLEL CURB RAMPS
4	12+84.40	13+39.85	ROUTE 115	RT		34.8	35		29		WITHIN ISLAND
4	13+95.28	14+08.57	ROUTE 115	RT		12.7	13		36		WITHIN ISLAND
4	11+36.37	11+56.66	SPRINGDALE	RT	31.4	2.9	34	1			T1PARALLEL CURB RAMP
4	10+39.44	10+55.46	SPRINGDALE	RT		10.3	10		24		WITHIN ISLAND
4	14+10.39	16+01.39	ROUTE 115	LT	88.8		89	2	13		T2 PARALLEL CURB RAMP, T1-A SMALL RADIUS PERP CURB RAMP
4	14+26.15	17+26.87	ROUTE 115	RT	172.1		172	2	47		T1PARALLEL CURB RAMP, T1-B LARGE RADIUS PERP CURB RAMP
4	16+37.04	17+27.91	ROUTE 115	LT	46.4		46	2			T1-A SMALL RADIUS CURB RAMP, T1PARALLEL CURB RAMP
5	17+67.14	20+50.70	ROUTE 115	LT	153.7		154	2			T1-A SMALL RADIUS PERP CURB RAMP, T1-C PERP CURB RAMP
5	17+76.91	19+28.64	ROUTE 115	RT	83.2		83	2	24		T1PARALLEL CURB RAMPS
5	19+70.53	21+11.05	ROUTE 115	RT	61.2		61	2	10		T1-A SMALL RADIUS PERP CURB RAMPS
5	21+44.47	22+94.29	ROUTE 115	RT	65.6		66	2	10		T1-A SMALL RADIUS PERP CURB RAMP, T1-B LARGE RADIUS PERP RAMP
5	21+10.27	22+97.28	ROUTE 115	LT	92.6		93	2			T1-C PERP CURB RAMPS
5-6	23+23.41	25+42.27	ROUTE 115	LT	108.8		109	2			T1-C PERP CURB RAMP, T1-A SMALL RADIUS PERP CURB RAMP
6	23+29.40	25+94.24	ROUTE 115	RT	127.1		127	2			T1-B LARGE RADIUS PERP CURB RAMPS
6	25+76.96	29+69.01	ROUTE 115	LT	206.9		207	2			T1-C PERP CURB RAMPS
6	26+20.70	26+53.79	ROUTE 115	RT	1.6		2	2			T1-B LARGE RADIUS PERP CURB RAMPS
6	26+74.87	27+18.13	ROUTE 115	RT	7.3		7	2			T1-B LARGE RADIUS PERP CURB RAMPS
6-7	27+33.69	31+22.41	ROUTE 115	RT	29.2	300.4	330	2			T1-B LARGE RADIUS PERP CURB RAMPS
7	29+90.40	31+17.02	ROUTE 115	LT	59.2		59	2			T1-C PERP CURB RAMPS
7	31+39.58	34+47.83	ROUTE 115	LT	172.9		173	3	10		T1-C PERP CURB RAMPS, T1-A SMALL RADIUS CURB RAMP
7	31+59.74	33+21.27	ROUTE 115	RT	65.0		65	3	38		T1-C PERP CURB RAMP, T1-B LARGE RADIUS CURB RAMPS
7	32+71.73	32+77.72	ROUTE 115	RT		4.0	4		24		WITHIN PED ISLAND
8	33+55.31	34+67.34	ROUTE 115	RT	46.8		47	2	10		T1-C PERP CURB RAMPS
8	34+93.19	36+07.55	ROUTE 115	LT	52.4		52	2			T1-BA SMALL RADIUS CURB RAMPS
8	34+96.79	35+53.86	ROUTE 115	RT	20.1		20	2			T1-C PERP CURB RAMPS
8	36+10.51	36+14.80	ROUTE 115	RT				1			T1-C PERP CURB RAMP
8	36+48.40	37+20.67	ROUTE 115	LT	26.1		26	2			T1-A SMALL RADIUS CURB RAMP, T1-B LARGE RADIUS CURB RAMP
8	37+08.24	37+54.90	ROUTE 115	RT	11.4		11	2			T1-C PERP CURB RAMP, T1-B LARGE RADIUS CURB RAMP
8	37+09.43	37+36.04	ROUTE 115	RT			5			5	CONCRETE SLOPE PROTECTION BETWEEN CURB AND SIDEWALK
9	37+73.62	37+16.21	ROUTE 115	RT	11.1		11	2			T1-B LARGE RADIUS PERP CURB RAMP, T1-A SMALL RADIUS CURB RAMP
9	37+69.90	38+18.83	ROUTE 115	LT	13.5		14	2			T1-A SMALL RADIUS PERP CURB RAMPS
9	38+25.81	38+98.52	ROUTE 115	RT	33.3		33	2			T1-A SMALL RADIUS PERP CURB RAMPS
9	38+72.36	38+89.10	ROUTE 115	LT				2			T1-B LARGE RADIUS PERP CURB RAMPS
9	39+19.39	40+22.50	ROUTE 115	LT	45.7		46	2	28		T1-C PERP CURB RAMP, T1-B LARGE RADIUS CURB RAMP
9	39+42.21	40+10.97	ROUTE 115	RT	31.5		32	2			T1-A PERP SMALL RADIUS CURB RAMPS
9	40+49.64	41+37.33	ROUTE 115	RT	37.2		37	2			T1-A PERP SMALL RADIUS CURB RAMPS
9	10+54.05	10+37.06	LADA	LT				1			T1-B LARGE RADIUS CURB RAMP
9	40+57.70	41+15.00	ROUTE 115	LT	13.1		13	2	18		BLENDED TRANSITION CURB RAMP, T1C PERP CURB RAMP
9	41+27.02	42+05.05	ROUTE 115	LT	21.5		22	3	12		T1-C PERP CURB RAMPS
9	41+57.46	41+93.18	ROUTE 115	RT				3	13		T1-C PERP CURB RAMPS
9	41+72.38	41+78.38	ROUTE 115	LT		4.7	5		24		WITHIN PED ISLAND
10	42+05.51	42+44.87	ROUTE 115	RT	6.4		6	2	15		T1-C PERP CURB RAMP, T2 PARALLEL CURB RAMP
10	42+24.53	43+03.84	ROUTE 115	LT	34.7		35	2			T1-C PERP CURB RAMPS
10	10+71.69	11+18.24	RAMONA	RT	25.5		26				
10	42+62.37	42+77.36	ROUTE 115	RT		7.9	8		30		WITHIN ISLAND
10	43+14.18	43+44.27	ROUTE 115	LT	7.7		8	2			T1-C PERP CURB RAMPS
10	43+54.21	43+84.20	ROUTE 115	LT	7.1		7	2			T1-C PERP CURB RAMPS
10	43+09.31	43+96.81	ROUTE 115	RT	29.1		29	2	17		T1-B LARGE RADIUS PERP CURB RAMP, T1-C PERP CURB RAMP
10	43+93.40	44+23.45	ROUTE 115	LT	6.2		6	2			T1-C PERP CURB RAMPS
10	44+33.76	44+73.28	ROUTE 115	LT	10.9		11	2			T1-C PERP CURB RAMPS
10	44+83.01	45+23.91	ROUTE 115	LT	8.6		9	2			T1-C PERP CURB RAMPS
10	44+47.94	45+26.51	ROUTE 115	RT	30.5		31	2			T1-C PERP CURB RAMPS
10	45+35.40	45+62.25	ROUTE 115	LT	4.0		4	2			T1-C PERP CURB RAMPS
10	45+71.52	46+02.45	ROUTE 115	LT	5.7		6	2			T1-C PERP CURB RAMPS
TABLE 1 SUBTOTAL					**2413.7**	**692.4**	**3111**	**98**	**600**	**64**	

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.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
10 OF 26

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

REV.

SIDEWALK, CURB RAMP, AND SLOPE PROTECTION CONT. (2 OF 2)

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	CONCRETE SIDEWALK, 4 IN. (SQYD)	CONCRETE SIDEWALK, 7 IN. (SQYD)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	ADA CURB RAMP (EACH)	TRUNCATED DOMES (SQFT)	SLOPE PROTECTION (SQYD)	REMARKS
10	45+71.00	46+00.89	ROUTE 115	RT	5.0		5	2			T1-C PERP CURB RAMPS
10-11	46+37.77	46+57.37	ROUTE 115	RT				2	25		T1-B LARGE RADIUS PERP CURB RAMPS
10	46+12.69	46+42.81	ROUTE 115	LT	5.0		5	2			T1-C PERP CURB RAMPS
11	46+52.57	47+22.85	ROUTE 115	LT	27.6		28	2			T1-C PERP CURB RAMPS
11	47+00.33	48+52.29	ROUTE 115	RT	70.0		70	2	17		T1-B LARGE RADIUS PERP CURB RAMP, T1-C PERP CURB RAMP
11	47+34.76	47+66.33	ROUTE 115	LT	6.1		6	2			T1-C PERP CURB RAMPS
11	47+75.87	48+16.66	ROUTE 115	LT	11.1		11	2			T1-C PERP CURB RAMPS
11	48+26.58	48+67.66	ROUTE 115	LT	10.9		11	2			T1-C PERP CURB RAMPS
11	48+77.48	49+22.49	ROUTE 115	LT	10.8		11	3	14		BLENDED TRANSITION CURB RAMP, T1C PERP CURB RAMP
11	48+65.90	49+00.61	ROUTE 115	RT			7			7	CONCRETE SLOPE PROTECTION BETWEEN CURB AND SIDEWALK
11	49+40.21	49+87.37	ROUTE 115	LT	10.1		10	3	18		BLENDED TRANSITION CURB RAMP, T1C PERP CURB RAMP
11	48+63.58	49+02.78	ROUTE 115	RT	10.8		11	2			T1-C PERP CURB RAMPS
11	49+13.61	50+69.20	ROUTE 115	RT	90.7		91	2			T1-A SMALL RADIUS PERP CURB RAMPS
11	50+07.04	50+48.05	ROUTE 115	LT	12.3		12	2			T1-C PERP CURB RAMPS
11	50+59.16	51+01.13	ROUTE 115	LT	11.5		12	2			T1-C PERP CURB RAMPS
11	51+06.00	51+61.62	ROUTE 115	RT			10			10	CONCRETE SLOPE PROTECTION BETWEEN CURB AND SIDEWALK
11	51+10.52	51+49.93	ROUTE 115	LT	10.2		10	2			T1-C PERP CURB RAMPS
11	51+01.50	51+63.09	ROUTE 115	RT	21.9		22	3			T1-A SMALL RADIUS PERP CURB RAMPS
12	51+60.47	52+54.83	ROUTE 115	LT	41.9		42	2			T1-C PERP CURB RAMPS
12	52+13.05	52+66.41	ROUTE 115	RT	18.7		19	2			T1-A SMALL RADIUS PERP CURB RAMPS
12	52+14.46	52+64.73	ROUTE 115	RT			9			9	CONCRETE SLOPE PROTECTION BETWEEN CURB AND SIDEWALK
12	52+74.69	53+14.33	ROUTE 115	LT	13.2		13	2			T1-C PERP CURB RAMPS
12	52+97.33	53+34.80	ROUTE 115	RT	9.4		9	2			T1-A SMALL RADIUS PERP CURB RAMPS
12	53+00.15	53+33.11	ROUTE 115	RT			5			5	CONCRETE SLOPE PROTECTION BETWEEN CURB AND SIDEWALK
12	53+34.11	53+50.24	ROUTE 115	LT				2			T1-C PERP CURB RAMPS
12	53+64.76	54+66.07	ROUTE 115	RT	47.0		47	2			T1-A SMALL RADIUS PERP CURB RAMPS
12	53+66.56	54+64.06	ROUTE 115	RT			20			20	CONCRETE SLOPE PROTECTION BETWEEN CURB AND SIDEWALK
12	53+86.67	54+10.52	ROUTE 115	LT	2.2		2	2			T1-C PERP CURB RAMPS
12	54+50.73	54+92.25	ROUTE 115	LT	11.1		11	2			T1-C PERP CURB RAMPS
12	54+93.77	54+93.77	ROUTE 115	RT	17.3		17	2			T1-A SMALL RADIUS PERP CURB RAMPS
12	54+95.30	55+43.57	ROUTE 115	RT			9			9	CONCRETE SLOPE PROTECTION BETWEEN CURB AND SIDEWALK
12	55+35.24	55+56.06	ROUTE 115	LT				2			T1-C PERP CURB RAMPS
13	55+73.16	56+21.77	ROUTE 115	RT	17.2		17	2			T1-A SMALL RADIUS PERP CURB RAMPS
13	55+74.48	56+18.73	ROUTE 115	RT			8			8	CONCRETE SLOPE PROTECTION BETWEEN CURB AND SIDEWALK
13	55+87.64	56+18.94	ROUTE 115	LT	16.3		16	3	10		T1-A SMALL RADIUS PER CURB RAMP, T2 PARALLEL CURB RAMP, T1PARALLEL CURB RAMP
13	56+31.60	57+06.34	ROUTE 115	RT	35.1		35	3	21		T1-A SMALL RADIUS PER CURB RAMP, T2 PARALLEL CURB RAMPS
13	56+38.44	56+53.97	ROUTE 115	LT		9.9	10		31		WITHIN ISLAND
13	13+20.95	13+52.40	HANLEY	RT	23.6		24	1			T1-C PERP CURB RAMP
13	12+91.68	13+70.38	HANLEY	RT	41.8		42	1			T1-C PERP CURB RAMP
13	11+09.11	11+38.14	HANLEY	LT	9.2		9	1			T1-A SMALL RADIUS CURB RAMP
13	57+11.23	57+85.63	ROUTE 115	LT	13.8		14	4	24		COMPOUND PERP CURB RAMPS, T1-A SMALL RADIUS CURB RAMP, T1-C PERP CURB RAMP
13	57+61.19	57+82.09	ROUTE 115	RT		14.2	14		30		WITHIN ISLAND
13	57+87.19	58+22.12	ROUTE 115	RT	4.3		4	2	10		T2 PARALLEL CURB RAMP, T1-C PERP CURB RAMP
							395				CONCRETE CURB SUBTOTAL
							634				MEDIAN AND TRUCK APRONS SUBTOTAL
							4483				ENTRANCES AND DRIVEWAYS SUBTOTAL
							281				PARKING LOT REPAIR SUBTOTAL
					8.4		22				STAIR SUBTOTAL
							1248				MILLING/OVERLAY, SHOULDER, AND OPTIONAL PAVEMENT SUBTOTAL
TABLE 1 SUBTOTAL					**2413.7**	**692.4**	**3111**	**98**	**600**	**64**	
TOTAL					**3058.2**	**716.5**	**10902**	**170**	**800**	**132**	

MGS GUARDRAIL

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	MGS GUARDRAIL (LF)	MGS END ANCHOR (EA)	TYPE A CRASHWORTHY END TERMINAL (MASH) (EA)	MODIFIED SHAPING SLOPES, CLASS III (100F)	REMARKS
3	10+82.66	12+43.19	ROUTE 115	LT	99	1	1	1	
3-4	11+28.37	12+70.14	ROUTE 115	RT	83	1	1	1	
TOTAL					**182**	**2**	**2**	**2**	

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.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
11 OF 26

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

03/06/2024 9:25:08 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

REV.

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)

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

MEDIAN AND TRUCK APRONS

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	CONCRETE MEDIAN (SQYD)	6 IN. CONCRETE MEDIAN STRIP (SQYD)	TRUCK APRON (SQYD)	REMARKS
2	5+58.41	5+90.44	ROUTE 115	RT			34.4		SW QUADRANT SB I-170 RAMP INTERSECTION
2	6+37.28	6+87.40	ROUTE 115	RT			104.9		SE QUADRANT SB I-170 RAMP INTERSECTION
2	6+71.20	7+20.44	ROUTE 115	RT			13.4		AT GUARDRAIL REMOVAL
2	7+11.34	7+20.43	ROUTE 115	C			2.7		AT GUARDRAIL REMOVAL
2-3	7+20.44	8+22.42	ROUTE 115	RT	23	22.9			AT GUARDRAIL REMOVAL
2-3	7+20.43	8+22.73	ROUTE 115	C	23	23.3			AT GUARDRAIL REMOVAL
3	8+32.22	8+32.21	ROUTE 115	RT	14	13.7			AT GUARDRAIL REMOVAL
3	8+32.53	8+32.51	ROUTE 115	C	13	13.0			AT GUARDRAIL REMOVAL
3	8+32.21	9+05.32	ROUTE 115	RT			1.1		AT GUARDRAIL REMOVAL
3	8+32.51	9+79.46	ROUTE 115	C			18.2		AT GUARDRAIL REMOVAL
4	12+80.59	13+39.97	ROUTE 115	RT			127.9		SW QUADRANT SPRINGDALE INTERSECTION
4	13+24.85	13+36.63	ROUTE 115	C			12.9		SPRINGDALE INTERSECTION EB CENTER MEDIAN NOSE
4	13+36.65	13+41.98	ROUTE 115	LT			4.5		NW QUADRANT SPRINGDALE INTERSECTION
4	13+65.74	13+69.97	ROUTE 115	RT			2.1		SPRINGDALE INTERSECTION NB MEDIAN STRIP
4	13+95.25	14+12.38	ROUTE 115	RT			16.8		SE QUADRANT SPRINGDALE INTERSECTION
4	13+95.51	14+22.71	ROUTE 115	LT			29.2		NE QUADRANT SPRINGDALE INTERSECTION
4	14+06.79	14+13.65	ROUTE 115	C			8.4		SPRINGDALE INTERSECTION WB MEDIAN STRIP
4	11+29.72	11+57.16	SPRINGDALE	LT				9.4	
4	15+87.19	16+01.97	ROUTE 115	LT	10			10.1	
4	16+37.54	16+52.79	ROUTE 115	LT	10			10.3	
4	17+19.39	17+30.86	ROUTE 115	LT	4			4.3	
5	18+86.36	20+45.20	ROUTE 115	C			106.5		
5-6	21+67.50	25+18.81	ROUTE 115	C			150.7		
6-7	25+94.60	30+22.44	ROUTE 115	C	536	536.1			SEE CURB SCHEDULE FOR CURB QUANTITY
7-8	32+49.93	32+71.73	ROUTE 115	C			12.7		
8	32+77.72	33+00.50	ROUTE 115	C			14.2		
9	41+59.85	41+72.37	ROUTE 115	C			9.1		
9	41+78.36	41+90.85	ROUTE 115	C			9.1		
10	42+62.30	42+77.36	ROUTE 115	RT			6.3		RAMONA AVE.
13	56+35.32	56+53.97	ROUTE 115	LT			12.0		NW QUADRANT HANLEY INTERSECTION
13	57+60.67	57+89.64	ROUTE 115	RT			33.8		SE QUADRANT HANLEY INTERSECTION
					634				SUBTOTAL - SEE SIDEWALK, CURB RAMP, AND SLOPE PROTECTION SCHEDULE
TOTAL					--	609.0	730.9	34.1	

FULL DEPTH PAVEMENT REPAIR

PLAN SHEET	ROADWAY	FURNISHING AND PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIR (SQYD)	SUBGRADE COMPACTION (6 IN. DEPTH) (PAVEMENT REPAIR) (SQYD)	TYPE 1 OR 5 AGGREGATE FOR BASE (4 IN. THICK) (PAVEMENT REPAIR) (SQYD)	FULL DEPTH PAVEMENT REPAIR SAW CUT (FOR PERIMETER AND INTERNAL SAW CUTS) (LF)	DOWEL BAR (DRILLING, FURNISHING AND INSTALLATION) FOR FULL DEPTH PAVEMENT REPAIR (EA)	DOWEL BAR (FURNISHING AND INSTALLATION WITH BASKETS) FOR FULL DEPTH PAVEMENT REPAIR (EA)	TIE BAR (DRILLING, FURNISHING AND INSTALLATION) FOR FULL DEPTH PAVEMENT REPAIR (TYPE L JOINTS) (EA)	REMARKS
13	NORTH HANLEY	500.0	125	125	1914	440	30	56	ASSUMED 30% OF NORTH HANLEY INTERSECTION TO BE DIRECTED BY THE ENGINEER
TOTAL		500.0	125	125	1914	440	30	56	

TRAFFIC BARRIER

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	CONCRETE TRAFFIC BARRIER, TYPE D (LF)	CONCRETE TRAFFIC BARRIER, TYPE C (MODIFIED) (LF)	CONCRETE TRAFFIC BARRIER, TYPE C (RETAINING WALL) (LF)	REMARKS
2-3	6+40.18	9+16.40	ROUTE 115	LT	276			PERFORATIONS NEAR EXISTING BRIDGE DRAINAGE PIPE OUTLETS
2-3	6+77.43	9+36.63	ROUTE 115	C		259		
2-3	7+08.35	9+77.01	ROUTE 115	RT	271			PERFORATIONS NEAR EXISTING BRIDGE DRAINAGE PIPE OUTLETS
7	28+99.49	30+55.27	ROUTE 115	RT			156	
TOTAL					547	259	156	

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
JENNIFER L. HUBER NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

REV.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
12 OF 26

ENTRANCES AND DRIVEWAYS (1 OF 2)

PLAN SHEET	ENTRANCE STATION	ROADWAY	LOCATION	PAVED APPROACH, 8 IN. (SQYD)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	REMARKS
4	16+19.91	ROUTE 115	LT	106.3	106	
4-5	17+36.47	ROUTE 115	RT	147.5	148	MALINE AVE.
4-5	17+48.96	ROUTE 115	LT	90.7	91	
5	19+51.42	ROUTE 115	RT	221.3	221	
5	20+83.75	ROUTE 115	LT	140.9	141	
5	21+03.22	ROUTE 115	RT	146.6	147	SARGENT AVE.
6	23+12.03	ROUTE 115	RT	110.0	110	
6	23+16.75	ROUTE 115	LT	119.8	120	
6	25+74.15	ROUTE 115	LT	165.1	165	
6	26+07.61	ROUTE 115	RT	84.1	84	
6	26+63.24	ROUTE 115	RT	63.6	64	
6	27+27.70	ROUTE 115	RT	35.0	35	
7	29+76.79	ROUTE 115	LT	102.4	102	
7	31+23.73	ROUTE 115	LT	113.7	114	
7	31+39.83	ROUTE 115	RT	103.4	103	
8	33+39.66	ROUTE 115	RT	76.9	77	LEEWARD AVE.
8	34+71.93	ROUTE 115	LT	280.6	281	
8	34+81.58	ROUTE 115	RT	41.6	42	
8	35+81.84	ROUTE 115	RT	86.4	86	
8	36+30.34	ROUTE 115	LT	117.6	118	
8	36+61.76	ROUTE 115	RT	142.7	143	
8-9	37+45.91	ROUTE 115	LT	47.9	48	
9	37+60.53	ROUTE 115	RT	29.7	30	
9	38+20.85	ROUTE 115	RT	9.5	10	
9	38+51.93	ROUTE 115	LT	51.8	52	
9	39+05.70	ROUTE 115	LT	41.1	41	
9	39+18.08	ROUTE 115	RT	76.3	76	
9	40+22.84	ROUTE 115	RT	54.4	54	
9	40+40.89	ROUTE 115	LT	78.9	79	LADA AVE.
9	41+21.43	ROUTE 115	LT	12.3	12	
9	41+42.47	ROUTE 115	RT	21.1	21	
9	41.94.50	ROUTE 115	RT	16.3	16	
10	42+15.11	ROUTE 115	LT	17.5	18	
10	42+76.54	ROUTE 115	RT	251.2	251	RAMONA AVE.
10	43+08.28	ROUTE 115	LT	11.5	12	
10	43+52.77	ROUTE 115	LT	10.5	11	
10	43+92.16	ROUTE 115	LT	10.1	10	
10	44+22.44	ROUTE 115	RT	94.0	94	
10	44+26.30	ROUTE 115	LT	13.8	14	
10	44+77.48	ROUTE 115	LT	13.4	13	
10	45+27.76	ROUTE 115	LT	12.0	12	
10	45+45.61	ROUTE 115	RT	67.2	67	
10	45+66.79	ROUTE 115	LT	11.7	12	
10	46+07.01	ROUTE 115	LT	11.0	11	
10	46+26.86	ROUTE 115	RT	56.2	56	
10-11	46+48.42	ROUTE 115	LT	15.6	16	
11	46+79.64	ROUTE 115	RT	144.3	144	MEDORA AVE.
11	47+28.51	ROUTE 115	LT	16.0	16	
11	47+71.17	ROUTE 115	LT	11.2	11	
11	48+21.66	ROUTE 115	LT	12.1	12	
11	48+59.34	ROUTE 115	RT	13.7	14	
11	48+73.01	ROUTE 115	LT	11.0	11	
11	49+07.68	ROUTE 115	RT	13.0	13	
11	49+31.25	ROUTE 115	LT	54.9	55	MEDORA AVE.
11	49+97.33	ROUTE 115	LT	25.1	25	
11	50+57.02	ROUTE 115	LT	13.6	14	
11	50+87.46	ROUTE 115	RT	45.4	45	
11	51+05.09	ROUTE 115	LT	27.2	27	
11-12	51+54.99	ROUTE 115	LT	24.8	25	
12	51+88.57	ROUTE 115	RT	70.9	71	
12	52+65.88	ROUTE 115	LT	17.9	18	
12	52+85.16	ROUTE 115	RT	44.7	45	
12	53+23.69	ROUTE 115	LT	18.0	18	
12	53+50.40	ROUTE 115	RT	28.1	28	
12	53+68.85	ROUTE 115	LT	52.5	53	
SUBTOTAL				**4175.6**	**4176**	

ENTRANCES AND DRIVEWAYS CONT. (2 OF 2)

PLAN SHEET	ENTRANCE STATION	ROADWAY	LOCATION	PAVED APPROACH, 8 IN. (SQYD)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	REMARKS
12	54+30.81	ROUTE 115	LT	58.2	58	
12	54+78.21	ROUTE 115	RT	24.8	25	
12	55+13.48	ROUTE 115	LT	63.8	64	
12	55+58.87	ROUTE 115	RT	40.3	40	
12	55+68.93	ROUTE 115	LT	46.2	46	
12	56+26.72	ROUTE 115	RT	14.2	14	
12	11+58.48	N HANLEY	LT	59.7	60	
					4483	SUBTOTAL - SEE SIDEWALK, CURB RAMP, AND SLOPE PROTECTION SCHEDULE
TABLE 1 SUBTOTAL				**4175.6**	**--**	
TOTAL				**4482.8**	**--**	

PARKING LOT REPAIR

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	TYPE 5 AGGREGATE BASE (4 IN. THICK) (SQYD)	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) (TONS)	REMARKS
8	34+96.77	35+54.03	ROUTE 115	RT	33	7.2	
8	37+07.58	37+14.66	ROUTE 115	RT	4	0.8	
9	38+82.87	38+98.57	ROUTE 115	RT	16	3.4	
9	39+42.21	40+12.14	ROUTE 115	RT	55	12.2	
10	43+80.11	44+02.35	ROUTE 115	RT	11	2.4	
10	44+42.44	45+09.75	ROUTE 115	RT	62	13.8	
10	45+70.95	46+01.59	ROUTE 115	RT	20	4.4	
12	52+28.82	52+66.73	ROUTE 115	RT	21	4.6	
12	53+86.56	54+10.49	ROUTE 115	LT	13	2.9	
12	54+50.70	54+93.78	ROUTE 115	LT	24	5.2	
12-13	55+33.79	55+57.48	ROUTE 115	LT	12	2.7	
13	55+87.03	55+96.72	ROUTE 115	LT	4	0.9	
13	56+10.90	56+21.87	ROUTE 115	RT	4	0.9	
13	56+31.60	56+36.45	ROUTE 115	RT	2	0.4	
					281		SUBTOTAL - SEE SIDEWALK, CURB RAMP, AND SLOPE PROTECTION SCHEDULE
TOTAL					**-**	**61.8**	

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

03/06/2024 9:25:08 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
13 OF 26

PAVEMENT MARKINGS (1 of 4)

PAVEMENT MARKING SHEET	BASELINE	FROM STATION	TO STATION	LOCATION	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LANE REDUCTION ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24" YELLOW (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, WORD (ONLY) (EA)	REMARKS
1	ROUTE 115	2+96	3+53	LT/RT	125												
1	ROUTE 115	2+96	7+50	LT		454											
1	ROUTE 115	2+96	5+54	LT		65											
1	ROUTE 115	2+96	4+30	RT		68											
1	ROUTE 115	2+96	3+46	RT		66											
1	ROUTE 115	3+80	5+83	RT		217											
1	ROUTE 115	4+05	5+00	LT		95											
1	ROUTE 115	4+07	5+97	LT/RT	397												
1	ROUTE 115	4+08		LT					1								
1	ROUTE 115	4+30	5+79	RT		150											
1	ROUTE 115	4+30	5+84	RT		154											
1	ROUTE 115	4+38		RT					1								
1	ROUTE 115	4+92		LT					1								
1	ROUTE 115	5+05		RT					1								
1	ROUTE 115	5+22	5+94	RT		123											
1	ROUTE 115	5+52	5+69	RT									6				
1	ROUTE 115	5+85	5+95	RT										9			
1	ROUTE 115	5+54	6+27	LT/RT		31											
1	ROUTE 115	5+80		RT				24									
1	ROUTE 115	5+86	6+38	RT									12				
1	ROUTE 115	6+16	6+38	RT				24									
1	ROUTE 115	6+34	7+21	RT		245											AROUND ISLAND
1	ROUTE 115	6+38	7+50	LT/RT	230												
1	ROUTE 115	6+38	7+50	RT		28											
1	ROUTE 115	6+45		LT				36									
1	ROUTE 115	6+46	7+50	LT		104											
1	ROUTE 115	6+46	7+50	LT		104											
1	ROUTE 115	6+66	7+50	RT		107											
1	ROUTE 115	6+74	6+98	RT									6				
1	ROUTE 116	7+21	7+50	RT			10										12" DWT
1	ROUTE 115	7+20		LT					1								
2	ROUTE 115	7+50	12+50	LT	500												
2	ROUTE 115	7+50	12+50	RT	502												
2	ROUTE 115	7+50	12+50	LT		500											
2	ROUTE 115	7+50	10+53	LT		303											
2	ROUTE 115	7+50	10+53	LT		303											
2	ROUTE 115	7+50	10+39	RT		73											
2	ROUTE 115	7+50	10+39	RT			97										12" DWT
2	ROUTE 115	7+50	12+50	RT		500											
2	ROUTE 115	8+45		LT					1								
2	ROUTE 115	9+70		LT					1								
2	ROUTE 115	10+38	12+50	RT		212											
2	ROUTE 115	10+38	12+50	RT		212											
2	ROUTE 115	10+38	12+50	RT		212											
2	ROUTE 115	10+45		LT					1								
2	ROUTE 115	10+47		RT					2								
2	ROUTE 115	10+53	12+50	LT		49											
2	ROUTE 115	11+26		RT					2								
2	ROUTE 115	12+35	12+50	RT		15											
2	ROUTE 115	12+43		RT					1								
2	ROUTE 115	12+51		RT					1								
3	ROUTE 115	12+50	13+37	LT/RT	180												
3	ROUTE 115	12+50	13+24	LT		102											
3	ROUTE 115	12+50	13+40	LT		23											
3	ROUTE 115	12+50	13+26	RT		76											
3	ROUTE 115	12+50	13+26	RT		76											
3	ROUTE 115	12+50	13+40	RT		90											
3	ROUTE 115	12+50	13+24	RT		111											
3	ROUTE 115	12+50	13+42	RT		227											
3	ROUTE 115	12+50	12+90	RT									8				
3	ROUTE 115	12+85	13+44	LT		250											
SUBTOTAL					**1934**	**5345**	**107**	**84**	**14**	**0**	**0**	**0**	**32**	**9**	**0**	**0**	

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO

DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
14 OF 26

PAVEMENT MARKINGS CONT. (2 of 4)

PAVEMENT MARKING SHEET	BASELINE	FROM STATION	TO STATION	LOCATION	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LANE REDUCTION ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE YIELD LINE TRIANGLES (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24" YELLOW (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, WORD (ONLY) (EA)	REMARKS
3	ROUTE 115	12+99	13+11	LT										8			
3	ROUTE 115	13+21	13+34	RT										8			
3	ROUTE 115	13+26		RT				34									
3	ROUTE 115	13+40	13+96	RT									12				
3	ROUTE 115	13+44	13+68	LT				24									
3	ROUTE 115	13+56		LT		57											
3	ROUTE 115	13+68		LT	114												
3	ROUTE 115	13+70	13+94	RT				24									
3	ROUTE 115	13+92	17+50	LT		383											
3	ROUTE 115	13+93	14+48	LT		102											TWO SIDES OF THE ISLAND
3	ROUTE 115	13+93	17+12	LT		318											
3	ROUTE 115	13+94	14+44	RT		199											AROUND THE ISLAND (SOUTHEAST CORNER)
3	ROUTE 115	14+04		LT/RT									17				
3	ROUTE 115	14+05	14+28	RT									6				
3	ROUTE 115	14+05	14+21	LT									5				
3	ROUTE 115	14+05	17+10	RT		331											
3 OF12	ROUTE 115	14+10	17+16	LT	307												
3	ROUTE 115	14+10	17+50	RT		85											
3	ROUTE 115	14+12	17+16	RT	304												
3	ROUTE 115	14+12		LT				36									
3	ROUTE 115	14+12	17+12	LT		299											
3	ROUTE 115	14+12	17+12	LT		299											
3	ROUTE 115	14+44	17+12	RT		90											6" DWT
3	ROUTE 115	14+87		LT					2								
3	ROUTE 115	15+08		RT							1						LANE DROP ARROW
3	ROUTE 115	16+12		LT					2								
3	ROUTE 115	16+18	17+18	RT		100											
3	ROUTE 115	16+46		RT							1						LANE DROP ARROW
3	ROUTE 115	16+26		RT					1								
3	ROUTE 115	17+03		LT					2								
3	ROUTE 115	17+18		RT					1								
4	ROUTE 115	17+50	22+50	RT		126											
4	ROUTE 115	17+50	22+50	LT		496											
4	ROUTE 115	17+76		LT					1								
4	ROUTE 115	17+76	22+50	LT		118											
4	ROUTE 115	17+76	19+07	LT		130											
4	ROUTE 115	17+76	20+45	LT	269												
4	ROUTE 115	17+76	20+45	LT/RT	272												
4	ROUTE 115	17+85	22+50	RT		458											
4	ROUTE 115	18+98		LT					1								
4	ROUTE 115	19+59	20+45	RT		86											
4	ROUTE 115	19+70		RT					1								
4	ROUTE 115	20+45		RT					1								
4	ROUTE 115	21+68	22+50	LT		108											
4	ROUTE 115	21+68	22+50	LT	108												
4	ROUTE 115	21+68	22+50	RT	82												
4	ROUTE 115	21+68		LT					1								
5	ROUTE 115	22+50	27+50	LT		500											
5	ROUTE 115	22+50	27+50	LT		125											
5	ROUTE 115	22+50	27+50	RT		125											
5	ROUTE 115	22+50	27+50	RT		500											
5	ROUTE 115	22+50	22+76	LT		26											
5	ROUTE 115	22+50	25+19	LT	269												
5	ROUTE 115	22+50	25+19	LT/RT	269												
5	ROUTE 115	22+68		LT					1								
5	ROUTE 115	23+88	25+19	RT		131											
5	ROUTE 115	23+98		LT/RT					1								
5	ROUTE 115	25+19		LT/RT					1								
5	ROUTE 115	25+94	27+50	LT	156												
5	ROUTE 115	25+94	27+50	RT	156												
SUBTOTAL					**2306**	**5192**	**0**	**118**	**16**	**0**	**2**	**0**	**40**	**16**	**0**	**0**	

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
15 OF 26

PAVEMENT MARKINGS CONT. (3 of 4)

PAVEMENT MARKING SHEET	BASELINE	FROM STATION	TO STATION	LOCATION	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LANE REDUCTION ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24" YELLOW (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, WORD (ONLY) (EA)	REMARKS
6	ROUTE 115	27+50	32+50	LT		500											
6	ROUTE 115	27+50	32+50	LT		125											
6	ROUTE 115	27+50	32+50	RT		500											
6	ROUTE 115	27+50	32+50	RT		125											
6	ROUTE 115	27+50	31+07	LT	356												
6	ROUTE 115	27+50	31+07	LT/RT	358												
6	ROUTE 115	30+21	30+56	LT	72												
6	ROUTE 115	30+64		LT					1								
6	ROUTE 115	30+56	31+07	RT		50											
6	ROUTE 115	31+73	32+05	LT		33											
6	ROUTE 115	31+73	32+50	RT	154												
6	ROUTE 115	31+97		LT/RT					1								
6	ROUTE 115	32+05	32+50	LT/RT	90												
6	ROUTE 115	32+18	32+49	LT/RT											21		HASH BARS
6	ROUTE 115	32+45		RT										14			
7	ROUTE 115	32+50	37+50	LT		500											
7	ROUTE 115	32+50	33+07	RT		57											
7	ROUTE 115	32+50	37+50	LT		125											
7	ROUTE 115	32+50	37+50	RT		125											
7	ROUTE 115	32+50	33+04	LT/RT	220												
7	ROUTE 115	32+71	32+77	LT /RT									15				
7	ROUTE 115	33+03		LT										14			
7	ROUTE 115	33+55	33+90	LT		35											
7	ROUTE 115	33+55	37+50	LT /RT	792												
7	ROUTE 115	33+68	37+50	RT		383											
7	ROUTE 115	33+81		LT/RT					1								
7	ROUTE 115	34+03	36+09	LT/RT	412												
7	ROUTE 115	34+23	35+80	LT/RT											25		HASH BARS
8	ROUTE 115	37+50	40+08	LT		258											
8	ROUTE 115	37+50	42+00	LT		113											
8	ROUTE 115	37+50	41+72	LT/RT	844												
8	ROUTE 115	37+50	42+00	RT		113											
8	ROUTE 115	37+50	42+00	RT		450											
8	ROUTE 115	39+43	41+72	LT/RT	468												
8	ROUTE 115	39+79	41+35	LT/RT											33		HASH BARS
8	ROUTE 115	40+73	42+00	LT		128											
8	ROUTE 115	41+23		RT										13			
8	ROUTE 115	41+72	41+78	LT /RT									12				
8	ROUTE 115	41+78	42+00	LT/RT	88												
8	ROUTE 115	41+98		LT										13			
9	ROUTE 115	42+00	46+50	LT		452											
9	ROUTE 115	42+00	46+50	LT		114											
9	ROUTE 115	42+00	46+50	LT/RT	900												
9	ROUTE 115	42+00	43+18	LT/RT	238												
9	ROUTE 115	42+00	46+50	RT		114											
9	ROUTE 115	42+00	46+50	RT		357											
9	ROUTE 115	42+07	42+68	LT/RT											20		HASH BARS
10	ROUTE 115	46+50	51+50	LT		463											
10	ROUTE 115	46+50	51+50	LT		126											
10	ROUTE 115	46+50	51+50	RT	998												
10	ROUTE 115	46+50	51+50	RT		125											
10	ROUTE 115	46+50	51+50	RT		435											
11	ROUTE 115	51+50	55+50	LT		401											
11	ROUTE 115	51+50	55+50	LT		101											
11	ROUTE 115	51+50	55+50	LT/RT	800												
11	ROUTE 115	51+50	53+49	RT		55											
11	ROUTE 115	51+50	55+50	RT		400											
11	ROUTE 115	53+45	55+46	LT/RT	401												
11	ROUTE 115	53+49	55+50	RT		50											
11	ROUTE 115	54+17		RT												1	
11	ROUTE 115	54+47		RT						1							
11	ROUTE 115	54+47		RT					1								
SUBTOTAL					**7191**	**6813**	**0**	**0**	**4**	**1**	**0**	**0**	**27**	**54**	**99**	**1**	

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

REV.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
16 OF 26

PAVEMENT MARKINGS CONT. (4 of 4)

PAVEMENT MARKING SHEET	BASELINE	FROM STATION	TO STATION	LOCATION	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LANE REDUCTION ARROW (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBINATION STR/LT/RT (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 12 IN WHITE, YIELD LINE TRIANGLES (EA)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24" YELLOW (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING, WORD (ONLY) (EA)	REMARKS
11	ROUTE 115	55+42		RT												1	
12	ROUTE 115	55+50	56+20	LT		121											
12	ROUTE 115	55+50	56+48	LT		25											
12	ROUTE 115	55+50	56+45	LT	192												
12	ROUTE 115	55+50	56+45	RT		198											
12	ROUTE 115	55+50	57+26	RT		225											
12	ROUTE 115	55+72		LT/RT					1								
12	ROUTE 115	55+72		RT						1							
12	ROUTE 115	55+72		RT					1								
12	ROUTE 115	56+16	56+29	LT										8			
12	ROUTE 115	56+23	56+41	LT									5				
12	ROUTE 115	56+28	56+57	LT		50											
12	ROUTE 115	56+29	56+53	LT		83											AROUND THE ISLAND
12	ROUTE 115	56+38	56+67	LT		51											
12	ROUTE 115	56+44	56+68	LT/RT									14				
12	ROUTE 115	56+45	56+75	LT	104												
12	ROUTE 115	56+46		LT/RT				36									STOP BAT AT RT.115
12	ROUTE 115	56+48	56+78	LT				36									STOP BAR AT HANLEY
12	ROUTE 115	56+57	57+13	LT									12				
12	ROUTE 115	56+57	56+87	LT		14											
12	ROUTE 115	56+66	57+77	LT		156											
12	ROUTE 115	57+02	57+61	RT									13				
12	ROUTE 115	57+21	57+36	RT		11											
12	ROUTE 115	57+32	57+50	RT	84												
12	ROUTE 115	57+35	57+45	RT				11									
12	ROUTE 115	57+40	57+60	RT		57											
12	ROUTE 115	57+45	57+62	RT				24									
12	ROUTE 115	57+51	57+72	RT		57											
12	ROUTE 115	57+56	57+99	RT		130											AROUND THE ISLAND
12	ROUTE 115	57+60	57+73	LT/RT									11				
12	ROUTE 115	57+76		LT/RT				34									
12	ROUTE 15	57+77	59+22	LT		435											
12	ROUTE 115	57+77	59+22	RT	290												
12	ROUTE 115	57+78	57+92	RT									5				
12	ROUTE 115	57+83	59+22	RT		182											
12	ROUTE 115	57+98	58+08	RT										8			
12	ROUTE 115	58+47		LT								1					
12	ROUTE 115	58+51		LT/RT					1								
12	ROUTE 115	59+09		LT								1					
12	ROUTE 115	59+14		LT/RT					1								
					1843	19204		371	22	22		4		17	175		PAVEMENT MARKINGS- PAVEMENT JOINT REPAIR SUBTOTAL
TABLE 1 SUBTOTAL					1934	5345	107	84	14	0	0	0	32	9	0	0	
TABLE 2 SUBTOTAL					2306	5192	0	118	16	0	2	0	40	16	0	0	
TABLE 3 SUBTOTAL					7191	6813	0	0	4	1	0	0	27	54	99	1	
TOTAL					13944	38349	107	714	60	24	2	6	159	112	274	2	

TEMPORARY PAVEMENT MARKINGS

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS (LF)	4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS (LF)	TEMPORARY REMOVABLE MARKING TAPE 4", WHITE (LF)	TEMPORARY REMOVABLE MARKING TAPE 4", YELLOW (LF)	PAVEMENT MARKING REMOVAL (LF)	REMARKS
4-8	17+16.34	36+29.83	ROUTE 115	RT	2785	2792			4784	
9-10	39+11.50	43+28.52	ROUTE 115	LT/RT/C	1075	1588			1851	
							3725	5455	570	LONG TERM LANE CLOSURES
									237	SUBTOTAL FROM PAVEMENT MARKING - PAVEMENT JOINT REPAIR SCHEDULE
TOTAL					3860	4380	3725	5455	7442	

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

03/07/2024 1:47:13 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
3/7/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

REV.

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

SUMMARY OF QUANTITIES SHEET
17 OF 26

DRAINAGE PIPES

PLAN SHEET	CULVERT SECTION SHEET	FROM STRUCT.	TO STRUCT.	12 IN. PIPE GROUP A (LF)	15 IN. PIPE GROUP A (LF)	18 IN. PIPE GROUP A (LF)	15 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	18 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	24 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION (EA)	CLASS 3 EXCAVATION (CUYD)	GRANULAR BACKFILL (CUYD)	REMARKS
6-7	2	CI 18	CI 6	337						225	143	
6	3	CI 6	CI 5	253						211	111	
5+6	3	CI 5	CI 4	216						149	84	
5	3	CI 4	MH 14	129						87	53	
5	3	CI 3	MH 14			4				1	0	
7	4	FES 32	CI 29		320		1			124	40	
6-7	4	CI 29	MH 24			171		1		100	25	
6	4	MH 24	FES 23							6	2	
7	5	FES 34	FES 33		50		2			13	0	
6	5	FES 22	FES 21		61		2			17	0	
6	5	FES 20	FES 19		53		2			15	1	
5	5	FES 18	FES 17		75		2			19	0	
5	-	FES 15							1			
5	:-	FES 16							1			
										967	459	SUBTOTAL. SEE STRUCTURES FOR TOTAL
TOTAL				**935**	**559**	**175**	**9**	**1**	**2**	**---**	**---**	

*GRANULAR BACKFILL SHOWN FOR INFORMATION PURPOSES ONLY. NO DIRECT PAY

DRAINAGE STRUCTURES

STRUCT. ID.	SHEET NO.	CULVERT SECTION SHEET	STATION	ROADWAY	LOCATION	STD.	TYPE	ACTUAL DEPTH	SINGLE STREET INLET (FT)	REPLACE CURB INLET TOP (EA)	PRECAST CONCRETE MANHOLE - 48 IN. (FT)	CONVERT INLET TO MANHOLE (EA)	MANHOLE FRAME AND COVER, TYPE 1-B (EA)	MANHOLE FRAME AND COVER, TYPE 2 (EA)	CLASS 3 EXCAVATION (CUYD)	GRANULAR BACKFILL (CUYD)	PIPE OPENINGS (NUMBER - SIZE)	REMARKS
CI 3	5	3	20+40.08	ROUTE 115	7.9' LT	731.10S	48" MSD CI	5.3	5						11	3	1-12"	
MH 14	5	3	20+40.46	ROUTE 115	0.9' RT	731.00U	4' MH					1	1				2-12"	
CI 4	5	3	21+72.70	ROUTE 115	1.0' RT	731.10S	48" MSD CI	5.0	3						11	1	2-12"	
CI 5	6	2	23+90.27	ROUTE 115	10.1' LT	731.10S	48" MSD CI	5.0	5						11	4	2-12"	
MH 24	6	4	25+75.96	ROUTE 115	34.7' RT	731.00U	4' MH	4.0			5			1	6	3	2-18"	
CI 6	6	2	26+44.77	ROUTE 115	9.7' LT	731.10S	48" MSD CI	5.0	5						11	3	2-12"	
CI 29	7	4	27+65.04	ROUTE 115	33.8' RT	731.10S	48" MSD CI	4.1	4						8	3	1-15", 1-18"	
CI 18	7	2	29+86.62	ROUTE 115	0.8' LT	731.10S	48" MSD CI	5.1	3						11	2	1-12"	
MH 10	7	-	31+64.26	ROUTE 115	C	731.00U	4' MH					1	1				2-15"	
-	3	-	8+27.32	ROUTE 115	RT	731.10S	DOUBLE			1								
															967	459		SUBTOTAL FROM PIPES
TOTAL									**25**	**1**	**5**	**2**	**2**	**1**	**1036**	**478**		

*GRANULAR BACKFILL SHOWN FOR INFORMATION PURPOSES ONLY. NO DIRECT PAY

ROCK LINING AND DITCH LINER

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	ROCK LINING (CUYD)	FURNISHING TYPE 2 ROCK DITCH LINER (CUYD)	PLACING TYPE 2 ROCK DITCH LINER (CUYD)	PERMANENT EROSION CONTROL GEOTEXTILE (SQYD)	REMARKS
3	10+81.19	10+90.19	ROUTE 115	RT	6				
3	11+92.53	12+73.21	ROUTE 115	RT		44	44	132	
5	19+16.33	19+44.06	ROUTE 115	LT		1	1		
5	19+89.92	19+96.04	ROUTE 115	LT		1	1		
6	24+06.64	24+11.14	ROUTE 115	RT	3				
6-7	27+30.37	28+07.32	ROUTE 115	RT		66	66	197	
7	28+11.33	31+07.69	ROUTE 115	RT		235	235	705	
7	31+83.64	31+87.90	ROUTE 115	RT	2				
TOTAL					**10**	**346**	**346**	**1035**	

NOTE: ROCK LINING AND TYPE 2 ROCK DITCH LINER TO BE PLACED AT 1' THICK

TRENCH DRAIN

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	SIDEWALK TRENCH DRAIN (EA)	DOUBLE SIDEWALK TRENCH DRAIN (EA)	REMARKS
3	10+80.90	10+89.90	ROUTE 115	RT		1	
6	23+98.65	24+03.17	ROUTE 115	RT	1		
7	30+98.30	31+02.55	ROUTE 115	RT	1		
7	31+75.21	31+79.46	ROUTE 115	RT	1		
TOTAL					**3**	**1**	

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 · JENNIFER L. HUBER · NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

02/28/2024 11:02:02 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 2/28/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
18 OF 26

TEMPORARY EROSION CONTROL (1 OF 2)

EROSION CONTROL SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	SILT FENCE (LF)	ROCK DITCH CHECK (LF)	ALTERNATE DITCH CHECK (LF)	CURB INLET CHECK (EACH)	SEDIMENT REMOVAL (CUYD)	REMARKS
1	3+90.10	5+57.56	ROUTE 115	RT	189				1.9	
1	5+04.26		ROUTE 115	LT				1	1.0	
1	6+59.90		ROUTE 115	LT				1	1.0	
1	6+92.71	7+37.73	ROUTE 115	RT	54				0.5	
2	8+14.82		ROUTE 115	LT				1	1.0	
2	8+26.25		ROUTE 115	RT				1	1.0	
2	8+26.37		ROUTE 115	LT				1	1.0	
2	9+40.72		ROUTE 115	LT				1	1.0	
2-3	9+76.15	12+73.29	ROUTE 115	RT	318				3.2	
2	9+91.13		ROUTE 115	RT				1	1.0	
2-3	10+71.11	12+47.24	ROUTE 115	LT	181				1.8	
2	10+85.15		ROUTE 115	RT				1	1.0	
3	13+13.96		ROUTE 115	LT				1	1.0	
3	13+98.11		ROUTE 115	LT				1	1.0	
3	14+07.52	15+97.22	ROUTE 115	LT	262				2.6	
3	14+18.15		ROUTE 115	LT				1	1.0	
4	14+26.15	17+37.11	ROUTE 115	LT	320				3.2	
4	16+43.16	17+24.06	ROUTE 115	LT	83				0.8	
4	17+67.19	19+89.38	ROUTE 115	LT	217				2.2	
4	17+74.61	19+28.87	ROUTE 115	RT	174				1.7	
4	17+81.59		ROUTE 115	LT		10			0.1	
4	18+02.08		ROUTE 115	RT				1	1.0	
4	18+86.56		ROUTE 115	RT				1	1.0	
4	19+70.01	21+18.38	ROUTE 115	RT	155				1.5	
4	19+98.71		ROUTE 115	LT			12		0.1	
4	20+19.73		ROUTE 115	LT			12		0.1	
4	20+36.92		ROUTE 115	LT				1	1.0	
4	20+38.20		ROUTE 115	LT			12		0.1	
4	20+97.56		ROUTE 115	RT				1	1.0	DOUBLE CURB INLET
4	21+22.63		ROUTE 115	LT		10			0.1	
4	21+37.49		ROUTE 115	LT			12		0.1	
4	21+48.65	22+98.68	ROUTE 115	RT	171				1.7	
4	21+54.28		ROUTE 115	RT				1	1.0	
4	21+55.88		ROUTE 115	LT			12		0.1	
4	21+66.98		ROUTE 115	RT		12			0.1	
4	21+72.70		ROUTE 115	RT				1	1.0	
4	21+76.88		ROUTE 115	LT			12		0.1	
4	21+97.88		ROUTE 115	LT			12		0.1	
4	22+18.88		ROUTE 115	LT			12		0.1	
4	22+39.88		ROUTE 115	LT			12		0.1	
5	22+60.88		ROUTE 115	LT			12		0.1	
5	22+79.78		ROUTE 115	LT			12		0.1	
5	23+26.30	24+69.11	ROUTE 115	RT	157				1.6	
5	23+39.41		ROUTE 115	RT		12			0.1	
5	23+40.44		ROUTE 115	LT		10			0.1	
5	23+55.86		ROUTE 115	LT			12		0.1	
5	23+76.86		ROUTE 115	LT			12		0.1	
5	23+90.27		ROUTE 115	LT				1	1.0	
5	23+97.86		ROUTE 115	LT			12		0.1	
5	24+13.63		ROUTE 115	RT				1	1.0	
5	24+18.86		ROUTE 115	LT			12		0.1	
5	24+39.86		ROUTE 115	LT			12		0.1	
5	24+60.85		ROUTE 115	LT			12		0.1	
5	24+63.16		ROUTE 115	RT			12		0.1	
5	24+81.85		ROUTE 115	LT			12		0.1	
5	24+84.15		ROUTE 115	RT			12		0.1	
5	25+02.85		ROUTE 115	LT			12		0.1	
5	25+05.15		ROUTE 115	RT			12		0.1	
5	25+23.85		ROUTE 115	LT			12		0.1	
5	25+26.15		ROUTE 115	RT			12		0.1	
5	25+47.00		ROUTE 115	RT			12		0.1	
5-6	25+77.96	29+70.77	ROUTE 115	LT	395				4.0	
5	25+93.62		ROUTE 115	LT		12			0.1	
5	26+13.56		ROUTE 115	LT			12		0.1	
5	26+34.53		ROUTE 115	LT			12		0.1	
5	26+44.77		ROUTE 115	LT				1	1.0	
5	26+55.48		ROUTE 115	LT			10		0.1	
5	26+76.48		ROUTE 115	LT			10		0.1	
5	26+97.48		ROUTE 115	LT			10		0.1	
5	27+18.47		ROUTE 115	LT			10		0.1	
SUBTOTAL					**2675**	**66**	**364**	**20**	**51**	

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
19 OF 26

TEMPORARY EROSION CONTROL CONT. (2 OF 2)

EROSION CONTROL SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	SILT FENCE (LF)	ROCK DITCH CHECK (LF)	ALTERNATE DITCH CHECK (LF)	CURB INLET CHECK (EACH)	SEDIMENT REMOVAL (CUYD)	REMARKS
5	27+39.59		ROUTE 115	LT			10		0.1	
6	27+60.47		ROUTE 115	LT			10		0.1	
6	27+65.33		ROUTE 115	RT				1	1.0	
6	27+81.47		ROUTE 115	LT			10		0.1	
6	28+02.46		ROUTE 115	LT			10		0.1	
6	28+03.08	28+06.44	ROUTE 115	RT	33				0.3	
6	28+09.52	28+15.15	ROUTE 115	RT	35				0.3	
6	28+23.37		ROUTE 115	LT			10		0.1	
6	28+44.25		ROUTE 115	LT			10		0.1	
6	28+65.13		ROUTE 115	LT			10		0.1	
6	28+86.01		ROUTE 115	LT			10		0.1	
6	29+06.90		ROUTE 115	LT			10		0.1	
6	29+27.78		ROUTE 115	LT			10		0.1	
6	29+48.67		ROUTE 115	LT			10		0.1	
6	29+84.84		ROUTE 115	LT				1	1.0	
6	29+89.81	30+13.17	ROUTE 115	LT	24				0.2	
6	30+05.99		ROUTE 115	LT		8			0.1	
6	30+26.96		ROUTE 115	LT			8		0.1	
6	30+47.96		ROUTE 115	LT			8		0.1	
6	30+68.36		ROUTE 115	LT			10		0.1	
6	30+78.53		ROUTE 115	RT		12			0.1	
6	30+89.86		ROUTE 115	LT			8		0.1	
6	30+91.71		ROUTE 115	RT				1	1.0	
6	31+39.03	31+78.40	ROUTE 115	LT	40				0.4	
6	31+43.33	32+12.00	ROUTE 115	LT	87				0.9	
6-7	31+53.88	33+26.92	ROUTE 115	RT	204				2.0	
6	31+56.91		ROUTE 115	LT		10			0.1	
6	31+70.13		ROUTE 115	RT		12			0.1	
6	31+81.83		ROUTE 115	RT				1	1.0	
6-7	31+85.98		ROUTE 115	RT				1	1.0	
7	32+20.24	32+71.95	ROUTE 115	LT	66				0.7	
7	32+77.49	34+30.85	ROUTE 115	LT	175				1.7	
7	33+21.28		ROUTE 115	LT		12			0.1	
7	33+28.90		ROUTE 115	RT				1	1.0	
7	33+50.78		ROUTE 115	RT				1	1.0	
7	34+40.23	34+67.48	ROUTE 115	RT	28				0.3	
7	34+94.63	36+07.65	ROUTE 115	LT	119				1.2	
7	35+40.75		ROUTE 115	LT				1	1.0	
7	35+41.64		ROUTE 115	RT				1	1.0	
7	36+48.39	36+85.48	ROUTE 115	LT	42				0.4	
8	38+32.50		ROUTE 115	RT				1	1.0	
8	41+57.44	41+93.85	ROUTE 115	RT	40				0.4	
9	42+05.85	42+33.73	ROUTE 115	RT	42				0.4	
9	42+58.31		ROUTE 115	RT				1	1.0	
9	42+61.50	43+80.11	ROUTE 115	RT	138				1.4	
9	43+58.95		ROUTE 115	LT				1	1.0	
9	43+58.63		ROUTE 115	RT				1	1.0	
10	47+14.48		ROUTE 115	RT				1	1.0	
10	47+17.55		ROUTE 115	LT				1	1.0	
10	49+25.50		ROUTE 115	LT				1	1.0	
10	49+36.76		ROUTE 115	LT				1	1.0	
10	49+51.70		ROUTE 115	LT				1	1.0	
10	51+01.90	51+21.34	ROUTE 115	RT	20				0.2	
10-11	51+26.21	51+58.04	ROUTE 115	RT	33				0.3	
11	52+40.22		ROUTE 115	LT				1	1.0	
TABLE 1 SUBTOTAL					**2675**	**66**	**364**	**20**	**51**	
TABLE 2 SUBTOTAL					**1125**	**54**	**144**	**19**	**32**	
TOTALS					**3800**	**120**	**508**	**39**	**83**	

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
20 OF 26

SEEDING AND SODDING (1 OF 2)

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	MULCHING (ACRE)	SEEDING - COOL SEASON MIXTURES (ACRE)	TURF TYPE TALL FESCUE SODDING (SQYD)	REMARKS
2	3+32.15	3+47.57	ROUTE 115	RT	0.003	0.003		
2	3+81.16	5+57.56	ROUTE 115	RT	0.02	0.02		
2-3	6+92.12	7+63.24	ROUTE 115	RT	0.003	0.003		
3	9+76.15	11+98.13	ROUTE 115	RT	0.04	0.04		
3	10+71.11	12+47.32	ROUTE 115	LT	0.03	0.03		
4	13+94.31	15+97.70	ROUTE 115	LT			273	
4	14+32.33	17+37.11	ROUTE 115	RT			215	
4	16+42.76	17+24.05	ROUTE 115	LT			54	
5	17+66.82	20+51.80	ROUTE 115	LT			280	
5	17+74.61	19+28.78	ROUTE 115	RT			114	
5	19+70.53	21+18.49	ROUTE 115	RT			252	
5-6	21+09.65	22+97.34	ROUTE 115	LT			394	
5-6	21+44.47	22+98.68	ROUTE 115	RT			177	
6	23+23.41	25+43.17	ROUTE 115	LT			435	
6	23+24.72	25+96.85	ROUTE 115	RT			527	
6	26+17.77	26+55.86	ROUTE 115	RT			90	
6	26+72.90	27+20.26	ROUTE 115	RT			104	
6-7	25+76.96	29+69.95	ROUTE 115	LT			711	
7	29+89.79	31+17.79	ROUTE 115	LT			195	
7	30+97.52	31+29.53	ROUTE 115	RT			19	
7-8	31+38.98	34+47.83	ROUTE 115	LT			201	
7-8	31+53.81	33+26.61	ROUTE 115	RT			96	
8	33+53.98	34+67.53	ROUTE 115	RT			51	
8	34+93.19	36+07.63	ROUTE 115	LT			157	
8	34+97.31	35+53.36	ROUTE 115	RT			13	
8	36+10.48	36+14.77	ROUTE 115	RT			1	
8	36+48.39	37+22.85	ROUTE 115	LT			87	
8-9	37+09.44	37+56.68	ROUTE 115	RT			16	
9	37+73.02	38+16.33	ROUTE 115	RT			7	
9	38+25.71	38+83.00	ROUTE 115	RT			9	
9	37+69.90	38+18.83	ROUTE 115	LT			9	
9	38+71.53	38+89.25	ROUTE 115	LT			5	
9	39+18.75	40+27.36	ROUTE 115	LT			35	
9	40+50.58	41+37.06	ROUTE 115	RT			13	
9	41+57.30	41+93.85	ROUTE 115	RT			19	
9	40+65.07	41+14.51	ROUTE 115	LT			10	
9-10	41+26.88	42+05.25	ROUTE 115	LT			31	
10	42+05.51	42+46.69	ROUTE 115	RT			62	
10	42+59.58	43+91.06	ROUTE 115	RT			97	
10	42+24.00	43+03.99	ROUTE 115	LT			33	
10	43+14.11	43+44.74	ROUTE 115	LT			12	
10	43+53.96	43+84.34	ROUTE 115	LT			13	
10	43+93.40	44+23.88	ROUTE 115	LT			11	
10	44+33.52	44+73.60	ROUTE 115	LT			15	
10	44+82.12	45+22.52	ROUTE 115	LT			13	
10	45+35.44	45+62.34	ROUTE 115	LT			9	
10	45+73.29	46+01.33	ROUTE 115	LT			6	
10	46+14.28	45+40.63	ROUTE 115	LT			6	
10	44+51.94	45+28.17	ROUTE 115	RT			25	
10	45+72.01	45+99.74	ROUTE 115	RT			6	
10-11	46+35.01	46+61.37	ROUTE 115	RT			11	
11	46+52.43	47+22.91	ROUTE 115	LT			22	
11	47+34.53	47+66.41	ROUTE 115	LT			9	
11	47+75.73	48+16.83	ROUTE 115	LT			16	
11	48+26.15	48+67.65	ROUTE 115	LT			16	
11	48+77.44	49+19.33	ROUTE 115	LT			17	
11	49+45.00	49+88.13	ROUTE 115	LT			13	
SUBTOTAL					**0.1**	**0.1**	**5013**	

LANDSCAPE RESTORATION

SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	LANDSCAPE RESTORATION (SQYD)	REMARKS
4	14+04.91	14+11.40	ROUTE 115	LT	8	
4	17+00.49	17+20.79	ROUTE 115	LT	3	
12	52+13.11	52+28.82	ROUTE 115	RT	9	
13	56+05.15	56+17.77	ROUTE 115	LT	8	
TOTAL					**28**	

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. J6S3417
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)

© Copyright CMT, Inc.
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
21 OF 26

SEEDING AND SODDING CONT. (2 OF 2)

PLAN SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	MULCHING (ACRE)	SEEDING - COOL SEASON MIXTURES (ACRE)	TURF TYPE TALL FESCUE SODDING (SQYD)	REMARKS
11	50+06.18	50+48.11	ROUTE 115	LT			13	
11	50+58.76	51+01.24	ROUTE 115	LT			18	
11	51+10.51	51+49.72	ROUTE 115	LT			19	
11	46+75.84	48+52.69	ROUTE 115	RT			128	
11	48+63.04	49+02.98	ROUTE 115	RT			9	
11	49+13.37	50+70.32	ROUTE 115	RT			34	
11-12	51+01.97	51+58.04	ROUTE 115	RT			22	
12	51+59.61	53+50.08	ROUTE 115	LT			82	
12	53+87.17	54+10.02	ROUTE 115	LT			5	
12	54+51.26	54+90.01	ROUTE 115	LT			10	
12	52+13.05	52+28.83	ROUTE 115	RT			9	
12	54+93.77	55+44.74	ROUTE 115	RT			22	
12-13	55+37.27	55+53.97	ROUTE 115	LT			4	
13	55+73.13	56+06.90	ROUTE 115	RT			8	
13	55+93.54	56+18.93	ROUTE 115	LT			26	
13	56+71.10	56+91.88	ROUTE 115	LT			6	
13	57+11.23	57+85.13	ROUTE 115	LT			44	
13	56+82.81	57+27.32	ROUTE 115	RT			32	
13	57+89.25	58+21.12	ROUTE 115	RT			26	
TABLE 1 SUBTOTAL					**0.1**	**0.1**	**5013**	
TOTALS					**0.1**	**0.1**	**5528**	

REMOVE AND RELOCATE EXISTING GROUND MOUNT SIGN

SIGNING SHEET	SIGN NO.	STATION	ROADWAY	LOCATION	REMOVE & RELOCATE GROUND MOUNT SIGN (EA)	REMOVE & RELOCATE GROUND MOUNT SIGN (BY OTHERS) (EA)	REMARKS
1	1	3+43	ROUTE 115	64.6' RT	1		STREET NAME
3	22	16+73	ROUTE 115	54.6' LT		1	METRO STOP
4	24	18+39	ROUTE 115	53.1' RT		1	METRO STOP
8	49	41+52	ROUTE 115	31.2' LT		1	METRO STOP
9	55	42+22	ROUTE 115	31.3' RT		1	METRO STOP
10	61	50+55	ROUTE 115	37.7' RT		1	METRO STOP
11	63	52+91	ROUTE 115	30.1' LT		1	METRO STOP
TOTAL					**1**	**6**	

RECTANGULAR RAPID FLASHING BEACON (RRFB)

SIGNING SHEET	SIGN NO.	STATION	ROADWAY	RECTANGULAR RAPID FLASHING BEACON (RRFB) (EA)	REMARKS
7	40 AND 41	32+70	ROUTE 115	1	
7	42 AND 43	32+79	ROUTE 115	1	
8	50 AND 51	41+71	ROUTE 115	1	
8	52 AND 53	41+80	ROUTE 115	1	
TOTAL				**4**	

18 IN. YELLOW ISLAND TUBULAR MARKER

TOTAL = 63 EACH

18 IN. WHITE ISLAND TUBULAR MARKER

TOTAL = 26 EACH

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE	REV.

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
22 OF 26

ITS CONDUIT & CABLE

CONDUIT (WITH #10 LOCATOR WIRE)					CABLE (ALL CABLE SHALL CONFORM TO IMSA 20-1 STANDARDS)				
			TRENCHED						
FROM	TO	CENTER TO CENTER DISTANCE	2" (LF)	REMARKS	FROM	TO	CENTER TO CENTER DISTANCE	FIBER, 24 STRAND SM (LF)	REMARKS
SPRINGDALE SIGNAL CONTROLLER	PULL BOX I1	7	10		SPRINGDALE SIGNAL CONTROLLER	N. HANLEY SIGNAL CONTROLLER	4560	4806	
HANLEY SIGNAL CONTROLLER	PULL BOX I2	15	18						
					SUB TOTAL			4806	
TOTAL			28		5% FOR SNAKING			240.3	
					TOTAL			5050	

ITS PULL BOXES

	LOCATION					DRAIN TYPE			
ITS PULL BOX NUMBER	ROADWAY	STATION	OFFSET	ADJUST TO GRADE MODOT PULL BOX (EA)	ITS PULL BOX WITH CONCRETE PAD, PREFORMED CLASS 5 (EA)	I	II		
							A	B	C
EXISTING	RTE 115	6+44.51	61.56' RT	1					
I1	RTE 115	12+65.56	58.84' LT		1	1			
EXISTING	RTE 115	14+47.29	60.46' LT	1					
EXISTING	RTE 115	16+57.73	54.83' LT	1					
EXISTING	RTE 115	36+89.27	30.92' LT	1					
EXISTING	RTE 115	52+50.20	34.49' LT	1					
EXISTING	RTE 115	52+46.46	36.33' RT	1					
EXISTING	RTE 115	53+94.59	36+96' RT	1					
I2	RTE 115	57+04.70	73.72' RT		1	1			
TOTAL				7	2				

NOTE: SEE SIGNAL SHEETS FOR SIGNAL PULL BOX ADJUSTMENTS

ITS NETWORKING EQUIPMENT

LOCATION	WALL-MOUNTED INTERCONNECT CENTER (EA)	SM F.O. PIGTAIL (EA)	SM F.O. JUMPER (EA)	SM F.O. FUSION SPLICE (EA)	RELOCATE EXISTING COMMUNICATIONS EQUIPMENT (EA)	INSTALL MODOT FURNISHED IP-ADDRESSABLE POWER STRIP (EA)	CCTV CAMERA ASSEMBLY (EA)	INSTALL CCTV CAMERA ASSEMBLY (EA)	REMOVE IN-PAVEMENT WIRELESS DETECTION SYSTEM PER INTERSECTION (EA)	REMARKS
SPRINGDALE AVE INTERSECTION	1	4	4	8	1	1			1	
N. HANLEY RD INTERSECTION	1	4	4	8	1	1	1	1	1	
TOTAL	2	8	8	16	2	2	1	1	2	

NOTE: SEE SIGNAL SHEETS FOR CCTV CAMERA CABLE QUANTITY

ITS ASSET MANAGEMENT TOOL

TOTAL	1 LUMP SUM

RELOCATION OF ST. LOUIS COUNTY'S TRAFFIC SIGNAL INTERCEONNECT

TOTAL	1 LUMP SUM

POT HOLING FOR UTILITY FACILITIES

TOTAL	45 EACH

TRAFFIC SIGNAL MAINTENANCE AND PROGRAMMING

TOTAL	1 LUMP SUM

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.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
23 OF 26

STATE OF MISSOURI · JENNIFER L. HUBER NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

02/28/2024 11:02:02 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 2/28/2024
ROUTE: 115
STATE: MO
DISTRICT: SL
SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

REV.	DESCRIPTION	DATE

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

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

LIGHTING POLES AND PULL BOXES

SHEET	FROM STATION	ROADWAY	LOCATION	30 FT. TOP MOUNT LIGHT POLE (EA)	45 FT. TOP MOUNT LIGHT POLE (EA)	170W TOP MOUNTED LED-B LUMINAIRE (EA)	170W TOP MOUNTED LED-B LUMINAIRE, TYPE IV DISTRIBUTION (EA)	LUMINAIRE, LED WALL PACK (UNDERPASS) (EA)	POLE FOUNDATION (30 FT. OR 9.0 M MOUNTING HEIGHT) (EA)	POLE FOUNDATION (45 FT. OR 13.2 M MOUNTING HEIGHT) (EA)	PULL BOX, PREFORMED CLASS 1 (EA)	PULL BOX, PREFORMED CLASS 3 (EA)	REMARKS
LT1	6+81.10	RTE 115	LT					1					UNDERPASS LIGHT A106
LT1	7+12.13	RTE 115	LT					1					UNDERPASS LIGHT A105
LT1	7+40.18	RTE 115	LT					1					UNDERPASS LIGHT A104
LT2	7+76.80	RTE 115	LT					1					UNDERPASS LIGHT A103
LT2	8+12.59	RTE 115	LT					1					UNDERPASS LIGHT A102
LT2	8+47.93	RTE 115	LT					1					UNDERPASS LIGHT A101
LT2	8+60.52	RTE 115	LT								1		PULL BOX A4
LT2	7+69.23	RTE 115	RT					1					UNDERPASS LIGHT A112
LT2	8+00.18	RTE 115	RT					1					UNDERPASS LIGHT A111
LT2	8+28.23	RTE 115	RT					1					UNDERPASS LIGHT A110
LT2	8+64.86	RTE 115	RT					1					UNDERPASS LIGHT A109
LT2	9+00.57	RTE 115	RT					1					UNDERPASS LIGHT A108
LT2	9+35.98	RTE 115	RT					1					UNDERPASS LIGHT A107
LT2	9+79.91	RTE 115	RT								1		PULL BOX A3
LT2	12+35.37	RTE 115	RT		1	1				1			LIGHT POLE A202
LT2	12+41.04	RTE 115	RT								1		PULL BOX A2
LT3	12+86.83	RTE 115	LT									1	PULL BOX A1
LT3	13+05.85	RTE 115	LT	1		1			1				LIGHT POLE A201
LT3	14+22.89	RTE 115	RT		1	1				1			LIGHT POLE A203
LT3	14+31.70	RTE 115	RT								1		PULL BOX A5
LT3	16+82.47	RTE 115	RT		1		1			1			LIGHT POLE A204
LT4	18+12.55	RTE 115	RT		1		1			1			LIGHT POLE A205
LT4	20+75.48	RTE 115	RT		1		1			1			LIGHT POLE A206
LT5	25+61.84	RTE 115	RT		1		1			1			LIGHT POLE A207
LT6	29+06.51	RTE 115	RT								1		PULL BOX A6
LT6	30+79.84	RTE 115	RT		1		1			1			LIGHT POLE A208
LT6	32+00.92	RTE 115	RT		1		1			1			LIGHT POLE A209
LT7	33+88.49	RTE 115	RT		1		1			1			LIGHT POLE A210
LT7	35+27.19	RTE 115	RT								1		PULL BOX A7
LT7	37+29.12	RTE 115	RT								1		PULL BOX A8
LT8	38+75.00	RTE 115	RT								1		PULL BOX A9
LT8	40+75.38	RTE 115	RT								1		PULL BOX A10
LT8	41+23.86	RTE 115	RT		1		1			1			LIGHT POLE A211
LT9	42+25.35	RTE 115	RT		1		1			1			LIGHT POLE A212
LT12	56+04.60	RTE 115	LT								1		PULL BOX B4
LT12	56+17.50	RTE 115	LT		1	1				1			LIGHT POLE B102
LT12	56+48.28	RTE 115	RT								1		PULL BOX B3
LT12	57+17.89	RTE 115	RT									1	PULL BOX B1
LT12	57+91.33	RTE 115	RT		1	1				1			LIGHT POLE B101
LT12	57+93.28	RTE 115	RT								1		PULL BOX B2
			TOTALS	**1**	**13**	**5**	**9**	**12**	**1**	**13**	**12**	**2**	

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.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
24 OF 26

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

LIGHTING CABLE AND CONDUIT

SHEET	FROM	TO	ROADWAY	LOCATION	CONDUIT, 3 IN. RIGID, IN TRENCH (LF)	CONDUIT, 4 IN. RIGID, IN TRENCH (LF)	CONDUIT, 4 IN. RIGID, PUSHED (LF)	CONDUIT, 2 IN. RIGID, EXTERNAL ON STRUCTURE (LF)	TRENCHING TYPE I (LF)	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET (LF)	CABLE-CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE NEUTRAL, 8 AWG (LF)	REMARKS
LT3	CONTROLLER A	PULL BOX A1	RTE 115	LT		13					42	CARRIES TWO RUNS OF CABLE
LT3-LT2	PULL BOX A1	PULL BOX A4	RTE 115	LT	77				353		437	
LT2	PULL BOX A4	WALL PACK A101	RTE 115	LT				25			31	
LT2	WALL PACK A101	WALL PACK A102	RTE 115	LT				35			39	
LT2	WALL PACK A102	WALL PACK A103	RTE 115	LT				36			40	
LT2-LT1	WALL PACK A103	WALL PACK A104	RTE 115	LT				67			71	
LT1	WALL PACK A104	WALL PACK A105	RTE 115	LT				28			32	
LT1	WALL PACK A105	WALL PACK A106	RTE 115	LT				33			37	
LT3-LT2	PULL BOX A1	PULL BOX A2	RTE 115	LT/RT			145				306	CARRIES TWO RUNS OF CABLE CONDUIT
LT2	PULL BOX A2	PULL BOX A3	RTE 115	RT					258		264	
LT2	PULL BOX A3	WALL PACK 107	RTE 115	RT				56			61	
LT2	WALL PACK 107	WALL PACK 108	RTE 115	RT				36			40	
LT2	WALL PACK 108	WALL PACK 109	RTE 115	RT				36			40	
LT2	WALL PACK 109	WALL PACK 110	RTE 115	RT				66			70	
LT2	WALL PACK 110	WALL PACK 111	RTE 115	RT				28			32	
LT2	WALL PACK 111	WALL PACK 112	RTE 115	RT				33			37	
LT3	PULL BOX A1	LIGHT A201	RTE 115	RT					35	60	42	
LT2	PULL BOX A2	LIGHT A202	RTE 115	RT					6	90	9	
LT2-LT3	PULL BOX A2	PULL BOX A5	RTE 115	RT			188				196	
LT3	PULL BOX A5	LIGHT A203	RTE 115	RT					18	90	21	
LT3	PULL BOX A5	LIGHT A204	RTE 115	RT					253	90	260	
LT3-LT4	LIGHT A204	LIGHT A205	RTE 115	RT	54				78	90	140	
LT4	LIGHT A205	LIGHT A206	RTE 115	RT	104				162	90	274	
LT4-LT5	LIGHT A206	LIGHT A207	RTE 115	RT	102				384	90	494	
LT5-LT6	LIGHT A207	PULL BOX A6	RTE 115	RT	88				253		349	
LT6	PULL BOX A6	LIGHT A208	RTE 115	RT	174					90	176	
LT6	LIGHT A208	LIGHT A209	RTE 115	RT	39				81	90	130	
LT6-LT7	LIGHT A209	LIGHT A210	RTE 115	RT	112				73	90	195	
LT7	LIGHT A210	PULL BOX A7	RTE 115	RT	140						144	
LT7	PULL BOX A7	PULL BOX A8	RTE 115	RT	200						206	
LT7-LT8	PULL BOX A8	PULL BOX A9	RTE 115	RT	143						149	
LT8	PULL BOX A9	PULL BOX A10	RTE 115	RT	197						203	
LT8	PULL BOX A10	LIGHT A211	RTE 115	RT	52					90	56	
LT8-LT9	LIGHT A211	LIGHT A212	RTE 115	RT	107					90	109	
LT12	CONTROLLER B	PULL BOX B1	RTE 115	RT		7					15	
LT12	PULL BOX B1	PULL BOX B2	RTE 115	RT			74				80	
LT12	PULL BOX B2	LIGHT B101	RTE 115	RT					5	90	13	
LT12	PULL BOX B1	PULL BOX B3	RTE 115	RT	106						112	
LT12	PULL BOX B3	PULL BOX B4	RTE 115	LT/RT			92				98	
LT12	PULL BOX B4	LIGHT B102	RTE 115	LT					36	90	45	
				SUBTOTAL	**1695**	**20**	**499**	**479**	**1995**	**1230**	**5095**	
				5% FOR SNAKING	**-**	**-**	**-**	**-**	**-**	**62**	**255**	
				TOTALS	**1695**	**20**	**499**	**479**	**1995**	**1290**	**5350**	

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.

ROUTE 115

SUMMARY OF QUANTITIES SHEET
25 OF 26

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:12:37 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

EFFECTIVE: 01-16-2024

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
W01-1L	48X48	16.00						TURN (SYMBOL LEFT ARROW)
W01-1R	48X48	16.00						TURN (SYMBOL RIGHT ARROW)
W01-2L	48X48	16.00						CURVE (SYMBOL LEFT ARROW)
W01-2R	48X48	16.00						CURVE (SYMBOL RIGHT ARROW)
W01-3L	48X48	16.00	4	64.00				REVERSE TURN (SYMBOL LEFT ARROW)
W01-3R	48X48	16.00	4	64.00				REVERSE TURN (SYMBOL RIGHT ARROW)
W01-4L	48X48	16.00	4	64.00				REVERSE CURVE (SYMBOL LEFT ARROW)
W01-4R	48X48	16.00	4	64.00				REVERSE CURVE (SYMBOL RIGHT ARROW)
W01-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
W01-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
W01-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)
W01-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)
W01-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
W01-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
W01-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
W01-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
W01-8	18X24	3.00						CHEVRON (SYMBOL)
W01-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
W03-1	48X48	16.00						STOP AHEAD (SYMBOL)
W03-2	48X48	16.00	4	64.00				YIELD AHEAD (SYMBOL)
W03-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
W03-4	48X48	16.00	4	64.00				BE PREPARED TO STOP
W03-5	48X48	16.00						SPEED LIMIT AHEAD
W04-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
W04-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
W04-1aL	48X48	16.00	4	64.00				MERGE (ARROW SYMBOL)
W04-1aR	48X48	16.00	4	64.00				MERGE (ARROW SYMBOL)
W05-1	48X48	16.00	8	128.00				ROAD/BRIDGE/RAMP NARROWS
W05-3	48X48	16.00						ONE LANE BRIDGE
W05-5	48X48	16.00						NARROW LANES
W06-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
W06-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
W06-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
W07-3a	30X24	5.00	4	20.00				NEXT XX MILES (PLAQUE)
W08-1	48X48	16.00	4	64.00				BUMP
W08-2	48X48	16.00						DIP
W08-3	48X48	16.00						PAVEMENT ENDS
W08-4	48X48	16.00						SOFT SHOULDER
W08-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
W08-6	48X48	16.00	4	64.00				TRUCK CROSSING
W08-6c	48X48	16.00	4	64.00				TRUCK ENTRANCE
W08-7	36X36	9.00						LOOSE GRAVEL
W08-7a	36X36	9.00						FRESH OIL/LOOSE GRAVEL
W08-9	48X48	16.00						LOW SHOULDER
W08-11	48X48	16.00	8	128.00				UNEVEN LANES
W08-12	48X48	16.00						NO CENTER LINE
W08-15	48X48	16.00						GROOVED PAVEMENT
W08-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
W08-17	48X48	16.00	8	128.00				SHOULDER DROP-OFF (SYMBOL)
W08-17P	30X24	5.00	8	40.00				SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
W012-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
W012-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
W012-2X	24X18	3.00						LOW CLEARANCE (PLAQUE)
W012-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
W012-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
W012-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
W013-1	30X30	6.25	8	50.00				ADVISORY SPEED (PLAQUE)
W016-2	30X24	5.00						XXX FEET (PLAQUE)
W016-3	30X24	5.00						X MILE (PLAQUE)
W020-1	48X48	16.00	8	128.00				ROAD/BRIDGE/RAMP WORK AHEAD
W020-2	48X48	16.00						DETOUR AHEAD
W020-3	48X48	16.00						ROAD CLOSED AHEAD
W020-4	48X48	16.00	8	128.00				ONE LANE ROAD AHEAD
W020-5	48X48	16.00	8	128.00				RIGHT/CENTER/LEFT LANE CLOSED AHEAD
W020-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
W020-6a	48X48	16.00	8	128.00				RIGHT/CENTER/LEFT LANE CLOSED
W020-7a	48X48	16.00	8	128.00				FLAGGER (SYMBOL)
W021-2	36X36	9.00						FRESH OIL
W021-5	48X48	16.00	8	128.00				SHOULDER WORK AHEAD
W022-1	48X48	16.00						BLASTING ZONE AHEAD
W022-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
W022-3	42X36	10.50						END BLASTING ZONE
G022-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NUM.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
G020-1	60X24	10.00	2	20.00				ROAD WORK NEXT XX MILES
G020-2	48X24	8.00	2	16.00				END ROAD WORK
G020-4	36X18	4.50						PILOT CAR FOLLOW ME
G020-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
G020-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
G020-5aP	36X24	6.00	28	168.00				WORK ZONE (PLAQUE)
M04-8a	24X18	3.00						END DETOUR
M04-9L	48X36	12.00						DETOUR (LEFT ARROW)
M04-9R	48X36	12.00						DETOUR (RIGHT ARROW)
M04-9P	48X12	4.00						STREET NAME (PLAQUE)
M04-10L	48X18	6.00						DETOUR (ARROW LEFT)
M04-10R	48X18	6.00						DETOUR (ARROW RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93	4	27.72				YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	10	120.00				SPEED LIMIT *
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	8	50.00				LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25	8	50.00				RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R4-7a	36X48	12.00	4	48.00				KEEP RIGHT (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	15	30.00				SIDEWALK CLOSED
R9-11L	24X18	3.00	8	24.00				SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00	8	24.00				SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)
R11-2	48X30	10.00	6	60.00				ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00	2	24.00				POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-7	48X24	8.00	2	16.00				RATE OUR WORK ZONE
CONST-7	72X36	18.00						RATE OUR WORK ZONE
CONST-8	48X36	12.00	2	16.00				WORK ZONE NO PHONE ZONE
W11-2	48X48	16.00	20	320.00				PEDESTRIAN
W16-7P	30X18	3.75	10	37.50				DOWNWARD DIAGONAL ARROW
W16-9P	30X18	3.75	10	37.50				AHEAD
W021-5a	48X48	16.00	4	64.00				RIGHT SHOULDER CLOSED AHEAD
R9-10	24X18	3.00	8	24.00				SIDEWALK CLOSED, USE OTHER SIDE
R9-8	24X18	3.00	8	24.00				SIDEWALK CLOSED, (ARROW)
G022-1	21X15	2.19	4	8.76				SIDEWALK CLOSED, (ARROW)

616-10.05 CONSTRUCTION SIGNS	TOTAL
	3175.5

616-10.10 RELOCATED SIGNS	TOTAL
	0

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)
6123000A	+++	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
6161008	2	ADVANCED WARNING RAIL SYSTEM (SEE NOTE 7)
6161009	4	FLAG ASSEMBLY
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	500	CHANNELIZER (TRIM LINE)
6161030	50	TYPE III MOVEABLE BARRICADE
6161033	32	DIRECTION INDICATOR BARRICADE
6161040	4	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 W/O 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

NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL ITEMS ARE INCLUDED IN PAY ITEM 616-99-01, LUMP SUM TEMPORARY TRAFFIC CONTROL, UNLESS NOTED OTHERWISE IN THE PLANS. THE QUANTITIES SHOWN ARE AN ESTIMATE ONLY AND ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS.
2. TEMPORARY TRAFFIC CONTROL SHOULD FOLLOW MODOT/MUTCD STANDARDS.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING SIGNS OR DEVICES.
4. NO DIRECT PAYMENT WILL BE MADE TO COVER/UNCOVER EXISTING SIGNS OR TCP SIGNS.
5. CMS LOCATIONS TO BE DETERMINED BY THE ENGINEER.
6. SIGN AND DEVICE LOCATIONS WILL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.
7. AWS IS ONLY TO BE USED ON THE FIRST WORK AHEAD SIGN IN EACH DIRECTION.
8. CONST-3X IS TO BE USED ABOVE ALL R2-1 AND R4-1 DURING CONSTRUCTION.

** NOT INCLUDED IN LUMP SUM FOR TEMPORARY TRAFFIC CONTROL

+++ INDICATES TMAs WILL BE REQUIRED FOR MOBILE OPERATIONS BUT AT NO DIRECT PAY. THE CONTRACTOR MAY USE OPTIONAL TMAs AT STATIONARY LOCATIONS OF HIS OR HER OWN CHOOSING BUT NO PAYMENT SHALL BE MADE FOR THESE TMAs.

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.

ROUTE 115

SUMMARY OF QUANTITIES SHEET 26 OF 26

JENNIFER L. HUBER NUMBER PE-2022000257
PROFESSIONAL ENGINEER — STATE OF MISSOURI
02/28/2024 11:02:02 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 2/28/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	3

COUNTY ST. LOUIS

JOB NO. J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE | REV.

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

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

WESTBOUND I-70 ON-RAMP

EASTBOUND I-70

395

POT STA 393+01.03

2'WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

6" SY

℄ EASTBOUND ROUTE 115

6" IW

S 56° 04' 32" E

STA. 393+01.03
EASTBOUND RTE 115
BEGIN MILL AND FILL
BEGIN PAVEMENT MARKING

6" SW

MATCHLINE 396+50.00
EASTBOUND ROUTE 115

NATURAL BRIDGE ROAD

BLDG

BLDG

BLDG

SCALE

0 20 40 60

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.

LEGEND

2' WIDE MILL/FILL

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
STRAIGHT ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
1 OF 14

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:30:42 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	4

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT

© Copyright CMT, Inc.

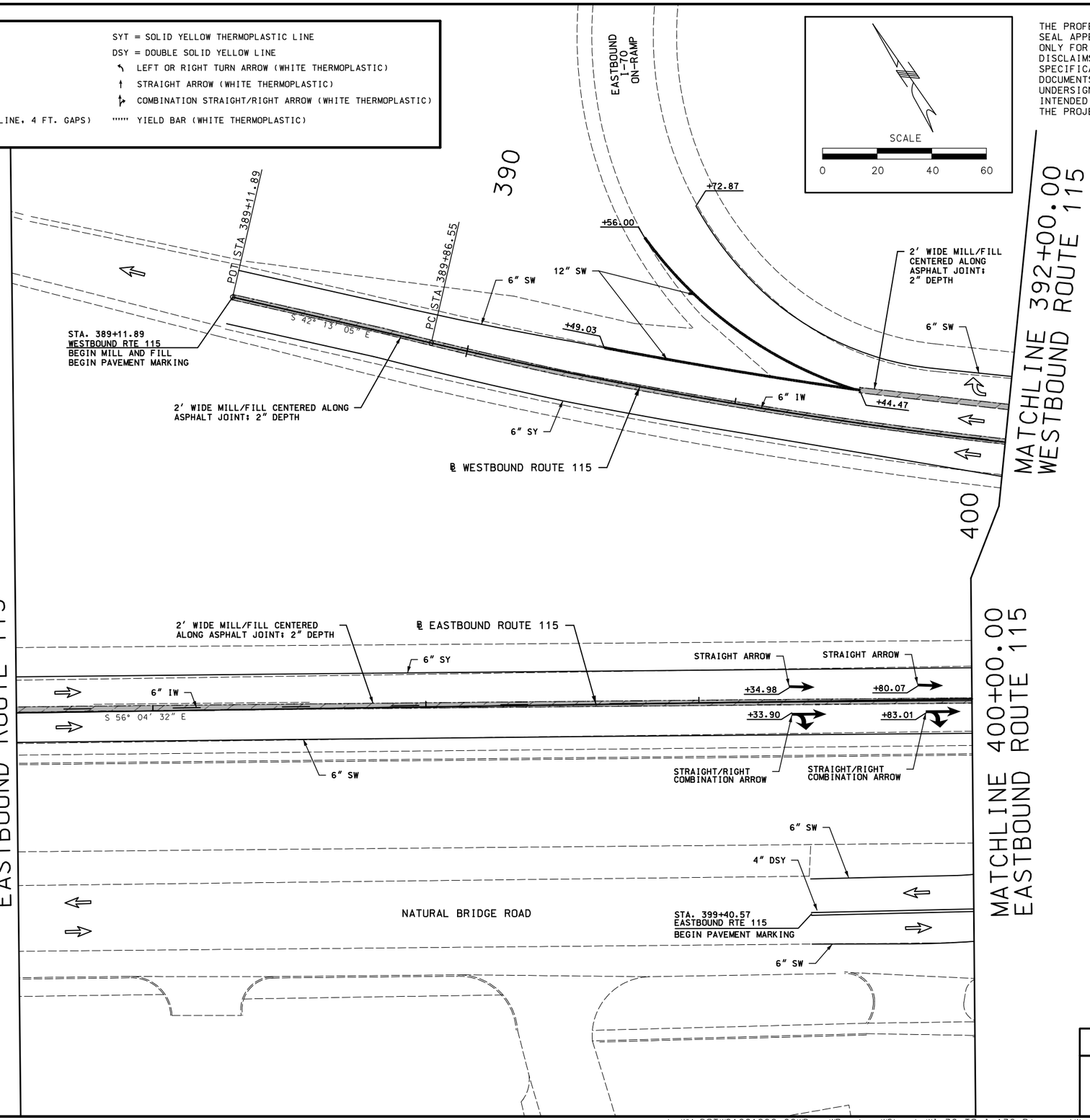
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
STRAIGHT ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)

LEGEND

2' WIDE MILL/FILL



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
JENNIFER L. HUBER
NUMBER PE-2022000257
REGISTERED PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:30:47 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	5

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
2 OF 14

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
STRAIGHT ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)

LEGEND

2' WIDE MILL/FILL

SCALE
0 20 40 60

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.

MATCHLINE 392+00.00 WESTBOUND ROUTE 115

MATCHLINE 396+50.00 WESTBOUND ROUTE 115

MATCHLINE 400+00.00 EASTBOUND ROUTE 115

MATCHLINE 404+50.00 EASTBOUND ROUTE 115

395

℄ WESTBOUND ROUTE 115

℄ EASTBOUND ROUTE 115

PT STA 392+45.29

PC STA 400+93.48

24" SWT STOP BAR
RIGHT TURN ARROW
2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH
STRAIGHT ARROWS
LEFT TURN ARROW
6" SW
6" IW
6" SY
24" SY (TYP.)
4" SY
12" YIELD TRIANGLES
2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH
NATURAL BRIDGE ROAD
BLDG

+58.51
+96.75
+68.97
+34.75
+52.29
+00.09
+72.14
+36.97
+37.21
+71.79
+00.58
+04.36
+71.20
+35.05
+14.69
+32.30
+02.70
+98.83
+78.62
+09.23
+31.28
+11.04
+08.60
+33.31
+99.57
+32.69
+97.50
+70.39

S 49° 59' 39" E

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
3 OF 14

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

JENNIFER L. HUBER NUMBER PE-2022000257
REGISTERED PROFESSIONAL ENGINEER — STATE OF MISSOURI

01/25/2024 11:30:47 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 1/25/2024
ROUTE: 115
STATE: MO
DISTRICT: SL
SHEET NO.: 6
COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
STRAIGHT ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)

LEGEND

2' WIDE MILL/FILL

SCALE
0 20 40 60

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.

MATCHLINE 396+50.00 WESTBOUND ROUTE 115

MATCHLINE 396+50.00 WESTBOUND ROUTE 115

MATCHLINE 401+50.00 WESTBOUND ROUTE 115

MATCHLINE 404+50.00 EASTBOUND ROUTE 115

MATCHLINE 404+50.00 EASTBOUND ROUTE 115

MATCHLINE 409+50.00 EASTBOUND ROUTE 115

6

400

405

6" SW

6" IW

℄ WESTBOUND ROUTE 115

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

S 49° 59' 39" E

6" SY

+14.69

+32.30

+95.44

+31.28

+09.28

LEFT TURN ARROW

+02.61

LEFT TURN ARROW

+25.72

+09.31

LEFT TURN ARROW

+25.23

6" SW

+24.75

6" IW

PT STA 407+75.58

+18.42

℄ EASTBOUND ROUTE 115

+18.27

6" SW

+59.42

S 43° 33' 29" E

+23.69

6" SW

PICAJUNE AVENUE

FAIRFIELD AVENUE

BLDG

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
4 OF 14

23MSD-00345, BASEMAPS 13-14K, 13-14J
PAVEMENT JOINT REPAIR
PLAN SHEET
3 OF 14

L:*MoDOT*21001220-00*Draw*Roadway*Sheets*I-70 TO I-170 Plan set*xx_PN_04_J6S3417_Rte115_i20.dgn

JENNIFER L. HUBER
NUMBER PE-2022000257
STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER

01/25/2024 11:30:47 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	7

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

LEGEND

2' WIDE MILL/FILL

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
STRAIGHT ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)

SCALE
0 20 40 60

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.

MATCHLINE 401+50.00 WESTBOUND ROUTE 115

MATCHLINE 406+50.00 WESTBOUND ROUTE 115

MATCHLINE 409+50.00 EASTBOUND ROUTE 115

MATCHLINE 414+50.00 EASTBOUND ROUTE 115

405

410

BLDG

℄ WESTBOUND ROUTE 115

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

6" SW

6" IW

6" SY

+66.73

S 43° 59' 19" E

℄ EASTBOUND ROUTE 115

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

+83.80

S 43° 33' 29" E

LEFT TURN ARROW
6" SW
+39.74
STRAIGHT ARROWS
6" SW
+40.07
6" SW
RIGHT TURN ARROW
+41.62

+29.31

BILOXI AVENUE

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
5 OF 14

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:30:47 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	8

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

MATCHLINE 406+50.00
WESTBOUND ROUTE 115

MATCHLINE 411+50.00
WESTBOUND ROUTE 115

MATCHLINE 414+50.00
EASTBOUND ROUTE 115

MATCHLINE 419+50.00
EASTBOUND ROUTE 115

MCDONNELL BOULEVARD

BROWN ROAD

410

415

BLDG

℄ WESTBOUND ROUTE 115

℄ EASTBOUND ROUTE 115

S 43° 33' 29" E

6" IW
4" DSY
24" SWT STOP BAR
6" SW
6" SWT
12" YIELD TRIANGLES
6" SY
2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH
2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH
RIGHT TURN ARROW
STRAIGHT ARROWS
LEFT TURN ARROW
STRAIGHT/LEFT COMBINATION ARROW
STRAIGHT ARROW
STRAIGHT/LEFT COMBINATION ARROW
24" SWT STOP BARS
LEFT TURN ARROW
RIGHT TURN ARROW
YIELD BAR

+06.73
+37.72
+84.61
+87.27
+40.32
+87.39
+40.18
+84.37
+20.28
+53.53
+29.99
+56.84
+56.72
+54.43
+75.79
+33.49
+02.18
+08.87
+06.55
+06.33
+09.78
+52.12
+49.08
+49.43
+52.22
+47.31
+84.79
+79.94

SCALE
0 20 40 60

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.

LEGEND
2' WIDE MILL/FILL

STRIPING KEY
SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE
↖ LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
↑ STRAIGHT ARROW (WHITE THERMOPLASTIC)
↱ COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
"""""" YIELD BAR (WHITE THERMOPLASTIC)

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
6 OF 14

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI REGISTERED PROFESSIONAL ENGINEER
01/25/2024 11:30:47 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	9

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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.

MATCHLINE 411+50.00 WESTBOUND ROUTE 115

MATCHLINE 416+50.00 WESTBOUND ROUTE 115

MATCHLINE 419+50.00 EASTBOUND ROUTE 115

MATCHLINE 424+50.00 EASTBOUND ROUTE 115

415

420

BLDG

℄ WESTBOUND ROUTE 115

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

6" SW

6" IW

6" SY

S 43° 59' 39" E

+39.35

+82.37

24" SWT STOP BAR

4" DSY

SCALE
0 20 40 60

℄ EASTBOUND ROUTE 115

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

S 43° 33' 29" E

+00.06

+89.11

+53.30

+10.52

MARSHALL AVENUE

LEGEND

2' WIDE MILL/FILL

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE
↰ LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
↑ STRAIGHT ARROW (WHITE THERMOPLASTIC)
↱ COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
"""""" YIELD BAR (WHITE THERMOPLASTIC)

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
7 OF 14

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:30:47 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
1/25/2024	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	10
COUNTY	
ST. LOUIS	
JOB NO.	
J6S3417	
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)

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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.

MATCHLINE 416+50.00 WESTBOUND ROUTE 115

MATCHLINE 421+50.00 WESTBOUND ROUTE 115

6" SW

6" IW

6" SY

S 49° 39' 39" E

℄ WESTBOUND ROUTE 115

+83.05

+59.28

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

24" SWT STOP BAR

4" DSY

MCKIBBON

BLDG

BLDG

BLDG

425

SCALE
0 20 40 60

LEGEND

2' WIDE MILL/FILL

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE
↰ LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
↑ STRAIGHT ARROW (WHITE THERMOPLASTIC)
↱ COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
''''' YIELD BAR (WHITE THERMOPLASTIC)

MATCHLINE 424+50.00 EASTBOUND ROUTE 115

MATCHLINE 429+50.00 EASTBOUND ROUTE 115

PC STA 426+00.72

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

℄ EASTBOUND ROUTE 115

24" SWT STOP BAR

6" SY

6" IW

6" SW

S 43° 33' 29" E

+02.73

+37.44

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
8 OF 14

STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
JENNIFER L. HUBER
NUMBER PE-2022000257

Jennifer Huber

01/25/2024 11:30:47 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	11

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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.

MATCHLINE 421+50.00
WESTBOUND ROUTE 115

MCKIBBON

LE BOURGET DRIVE

425

MATCHLINE 426+50.00
WESTBOUND ROUTE 115

6" SW

+82.37

+35.79

PC STA 424+33.33

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

S 49° 59' 39" E

6" IW

6" SY

℄ WESTBOUND ROUTE 115

LEGEND

2' WIDE MILL/FILL

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE
↰ LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
↑ STRAIGHT ARROW (WHITE THERMOPLASTIC)
↱ COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
"""""" YIELD BAR (WHITE THERMOPLASTIC)

SCALE
0 20 40 60

430

MATCHLINE 429+50.00
EASTBOUND ROUTE 115

MATCHLINE 434+50.00
EASTBOUND ROUTE 115

6" SY

℄ EASTBOUND ROUTE 115

+77.84

+06.44

6" IW

6" SW

PT STA 433+83.54

S 51° 11' 52" E

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

MCKIBBON

BLDG

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
9 OF 14

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:30:47 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	12

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

MATCHLINE 426+50.00
WESTBOUND ROUTE 115

MATCHLINE 431+50.00
WESTBOUND ROUTE 115

MATCHLINE 434+50.00
EASTBOUND ROUTE 115

MATCHLINE 439+50.00
EASTBOUND ROUTE 115

430

435

℄ WESTBOUND ROUTE 115

PT STA 427+16.15

+13.86

6" SW

6" IW

6" SY

S 55° 01' 32" E

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

℄ EASTBOUND ROUTE 115

S 51° 11' 52" E

LEGEND

2' WIDE MILL/FILL

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE
↰ LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
↑ STRAIGHT ARROW (WHITE THERMOPLASTIC)
↱ COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
"""""" YIELD BAR (WHITE THERMOPLASTIC)

SCALE
0 20 40 60

BLDG

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:30:47 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	13

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
10 OF 14

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.

MATCHLINE 431+50.00 WESTBOUND ROUTE 115

LA GUARDIA DRIVE

BLDG

435

℄ WESTBOUND ROUTE 115

PC STA 432+68.86

+07.71

S 55° 01' 32" E

6" SW

6" IW

6" SY

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

MATCHLINE 436+50.00 WESTBOUND ROUTE 115

LEGEND

2' WIDE MILL/FILL

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
STRAIGHT ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
"""""" YIELD BAR (WHITE THERMOPLASTIC)

SCALE
0 20 40 60

MATCHLINE 439+50.00 EASTBOUND ROUTE 115

440

℄ EASTBOUND ROUTE 115

6" SY

6" IW

6" SW

S 51° 11' 52" E

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

MATCHLINE 444+50.00 EASTBOUND ROUTE 115

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
11 OF 14

JENNIFER L. HUBER
NUMBER PE-2022000257
STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER

01/25/2024 11:30:47 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	14

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

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.

MATCHLINE 436+50.00
WESTBOUND ROUTE 115

440

MATCHLINE 441+50.00
WESTBOUND ROUTE 115

℄ WESTBOUND ROUTE 115

PT STA 437+99.26

6" SW

6" IW

6" SY

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

S 34° 32' 12" E

LEGEND

2' WIDE MILL/FILL

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE
↰ LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
↑ STRAIGHT ARROW (WHITE THERMOPLASTIC)
↱ COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
"""""" YIELD BAR (WHITE THERMOPLASTIC)

SCALE
0 20 40 60

445

BLDG

MATCHLINE 444+50.00
EASTBOUND ROUTE 115

MATCHLINE 449+50.00
EASTBOUND ROUTE 115

℄ EASTBOUND ROUTE 115

6" SY

6" IW

6" SW

S 51° 11' 52" E

+08.50

+69.76

2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

HAROLD DRIVE

SHED

SHED

SHED

BLDG

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
12 OF 14

JENNIFER L. HUBER
NUMBER PE-2022000257
STATE OF MISSOURI
PROFESSIONAL ENGINEER

01/25/2024 11:30:47 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	15

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
ENGINEERING CORPORATION - 000631
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500

© Copyright CMT, Inc.

LEGEND

2' WIDE MILL/FILL

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IY = INTERMITTENT YELLOW LINE
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
STRAIGHT ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)

SCALE
0 20 40 60

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.

MATCHLINE 441+50.00
WESTBOUND ROUTE 115

MATCHLINE 446+50.00
WESTBOUND ROUTE 115

MATCHLINE 449+50.00
EASTBOUND ROUTE 115

MATCHLINE 454+00.00
EASTBOUND ROUTE 115

KOENIG DRIVE

BLDG

445

450

SHED

6" SW
6" IW
6" SY
+87.85
S 34° 32' 12" E
+80.71
PC STA 444+29.70
℄ WESTBOUND ROUTE 115
+75.90
+47.26
24" SWT STOP BAR
2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH
4" DSY
24" SWT STOP BAR
℄ EASTBOUND ROUTE 115
+66.97
+85.66
S 51° 11' 52" E
2' WIDE MILL/FILL CENTERED ALONG ASPHALT JOINT; 2" DEPTH

JENNIFER L. HUBER
NUMBER PE-2022000257
STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER

Jennifer Huber
01/25/2024 11:30:47 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	16

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

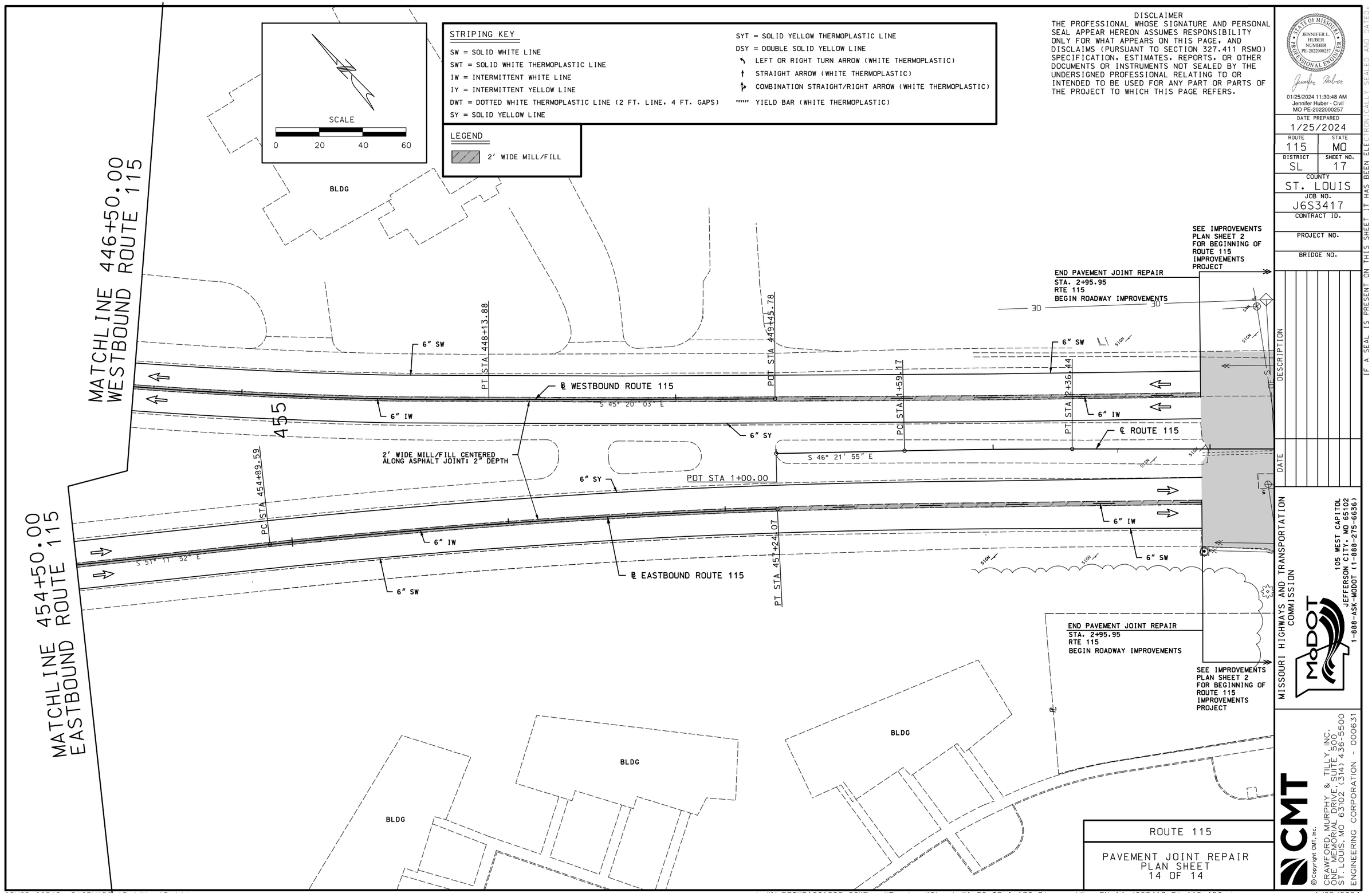
CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
13 OF 14



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 · JENNIFER L. HUBER · NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:30:48 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	17

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

PAVEMENT JOINT REPAIR
PLAN SHEET
14 OF 14

GENERAL NOTES

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

2. THE BASIS OF BEARING IS U.S. STATE PLANE NAD83 ZONE 2401 (MISSOURI EAST). VERTICAL DATUM IS NAVD88.

3. ALL STATION CALLOUTS ARE FROM ROUTE 115 ℄ UNLESS OTHERWISE NOTED.

4. SEE SIGNING SHEETS FOR SIGNING-RELATED REMOVALS.

5. SEE SIGNAL SHEETS FOR SIGNAL-RELATED REMOVALS.

6. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY AND RECORDS THE COMMISSION DOES NOT WARRANT THE LOCATIONS OF THESE FACILITIES AS PRECISE. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND PRECISE LOCATION OF ALL FACILITIES AND TO AVOID DAMAGE. SEE THE THE JOB SPECIAL PROVISIONS FOR A LIST OF UTILITY COMPANIES ON OR WITHIN THE VICINITY OF THE PROJECT LIMITS.

7. SEE RIGHT OF WAY IMPACTS TABLE FOR PROJECT ACQUISITIONS.

8. SEE GEOMETRIC SHEETS FOR INTERSECTION STATION TIES, CURVE DATA, ANGLES AND COORDINATE POINT INFORMATION.

9. CONTRACTOR SHALL REFERENCE AND FOLLOW THE MODOT ADA CHECKLIST WHEN LAYING OUT AND CONSTRUCTING CURB RAMPS, LANDINGS, SIDEWALK, PAVED APPROACH SIDEWALK CONNECTIONS, PEDESTRIAN SIGNALS, AND ANY OTHER PEDESTRIAN ITEMS ON THIS PROJECT.

10. THERE SHALL BE A MINIMUM OF 4' OF HORIZONTAL SIDEWALK CLEAR SPACE AROUND FEATURES SUCH AS EXISTING POWER POLES, EXISTING LIGHT POLES, EXISTING MAST ARMS, NEW SIGNAL MAST ARMS, NEW SIGNAL 8' TALL POSTS, AND ANY OTHER FEATURES THAT PROTRUDE ABOVE THE GROUND.

11. RADII AT DRIVEWAY/STREET ENTRANCES SHALL MATCH EXISTING, UNLESS THERE ARE RADIUS IMPROVEMENTS AS SHOWN ON THE PLANS.

12. SAWCUTS ARE REQUIRED ALONG THE FACE OF EXISTING CURBS, ISLAND CUT OUTS, ISLAND REMOVALS, PAVEMENT REMOVAL, AND VARIOUS OTHER REMOVALS ALONG THE PROJECT. ALL SAWCUT LINES ARE NOT CALLED OUT ON THE PLANS.

13. SAWCUTS ARE REQUIRED AT THE FRONT AND BACK OF PAVED APPROACHES. SAWCUT LINES ARE NOT CALLED OUT ON THE PLANS.

14. ALL DRIVEWAY AND STREET ALIGNMENTS ARE AT 90° TO ROUTE 115 ℄ UNLESS SHOWN OTHERWISE ON THE PLAN SHEETS.

15. NOT ALL EXISTING FEATURES/ITEMS HAVE PLAN CALLOUTS AS (UIP) OR (DND). THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER ON DIRECTION OF SUCH ITEMS.

16. END MILL/OVERLAY LIMITS SHOWN ON THE SIDESTREETS MAY BE FIELD ADJUSTED BY THE ENGINEER TO INCREASE OR DECREASE THE LIMITS OF THE ASPHALT WORK.

17. CENTERLINE SHOWN IS A CONSTRUCTION CENTERLINE SPECIFIC TO THIS PROJECT AND NOT THE ORIGINAL LEGACY CENTERLINE.

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
JENNIFER L. HUBER VUNIBER PE-2022000257
PROFESSIONAL ENGINEER
01/25/2024 11:36:08 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 1/25/2024

ROUTE	STATE
115	MO

DISTRICT	SHEET NO.
SL	18

COUNTY: ST. LOUIS

JOB NO.: J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
1 OF 15

SCALE
0 20 40 60

PLAN LEGEND

- MILL & OVERLAY
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR
- PAVEMENT REMOVAL

NOTE: CENTERLINE SHOWN IS A CONSTRUCTION CENTERLINE SPECIFIC TO THIS PROJECT & NOT THE ORIGINAL LEGACY CENTERLINE.

CURVE EX_115_3	
PI	1+97.81
PC	1+59.17
PT	2+36.44
Δ	1° 12′ 49.1″ (RT)
D	1° 34′ 13.8″
L	77.28′
T	38.64′
R	3,648.25′

* PERFORATIONS IN THE TRAFFIC BARRIER NEAR EXISTING BRIDGE DRAINAGE PIPE OUTLETS ARE REQUIRED AS DIRECTED BY THE ENGINEER

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.

SEE PAVEMENT JOINT REPAIR PLAN SHEETS
PT STA 2+36.44
STA. 3+51.15 RTE 115 = STA 10+00.00 ENGLER
℄ RTE 115
BEGIN PROJECT STA. 2+95.95
STA. 2+95.95 BEGIN MILL/OVERLAY MATCH EXIST.
5 IN. MILL/OVERLAY
MSD #13J4-028D (ATG) MSD MAINTAINED
STA. 6+24.94 RTE 115 = STA 10+00.00 SB RAMP 170
CONTROL POINT #2
EXIST. MEDIAN (UIP)
(ABANDONED)
MSD 13J4-046S (UIP) MSD MAINTAINED
SEE PAVEMENT JOINT REPAIR PLAN SHEETS
EXIST. R/W
TYPE 3 PARALLEL CR&D
SIDEWALK
STA. 10+82.63 (ENGLER) OFF. 24.9′ RT
13K340735
8401 ENGLER PARK CT UNIT 4
FISCHER AND FRITCHTEL INC N/F
FISCHER AND FRICHTEL INC BEVANS HAZEL
DB 02669, PG 0412
NO ACQUISITION
ENGLER PARK
PB. 53 PG. 40
EXIST. SIDEWALK (UIP)
℄ ENGLER AVE
S 35° 48′ 06″ W
10
6 IN. TYPE S CURB
6′ SIDEWALK EXIST. PAVEMENT (R)
TYPE 1 PARALLEL CR&D
STA. 10+86.79 (ENGLER) OFF. 26.1′ LT
MSD 13J4-049S (ATG) MSD MAINTAINED TYPE 3 PARALLEL CR&D
MISSOURI STATE HIGHWAY COMMISSION
SECTION LINE
EXIST. CURB (R)
EXIST. GUARDRAIL (R)
CONCRETE SLOPE PROTECTION
*TYPE D TRAFFIC BARRIER
SAWCUT
EXIST. GUTTER (R)
EXIST. CURB (UIP)
TRAFFIC BARRIER, TYPE C (MODIFIED)
6 IN. CONCRETE MEDIAN STRIP
EXIST. GUARDRAIL (R)
EXIST. MEDIAN IN CONFLICT (R)
28′ BARRIER HEIGHT TRANSITION
S 45° 08′ 14″ E
6 IN. CONCRETE MEDIAN STRIP
BRIDGE COLUMN (DND) (TYP)
6 IN. RAISED CONCRETE MEDIAN
EXIST. GUARDRAIL (R)
EXIST MEDIAN IN CONFLICT (R)
6 IN. CONCRETE MEDIAN STRIP
EXIST. CURB (UIP) SAWCUT
6 IN. TYPE S CURB
8′ SIDEWALK
EXIST. PAVEMENT (R)
28′ BARRIER HEIGHT TRANSITION
TYPE 3 PARALLEL CR&D
*TYPE D TRAFFIC BARRIER
EXIST. GUARDRAIL (R)
S 29° 47′ 32″ W
℄ SB I-170 RAMPS
MATCHLINE 7+50.00 ROUTE 115

CURVE EX_BOLBECHER1	
PI	11+91.20
PC	10+73.66
PT	12+70.43
Δ	78° 50′ 19.9″ (RT)
D	40° 04′ 01.1″
L	196.77′
T	117.54′
R	143.00′

PC STA 10+73.66
℄ BOLBECHER RD
STA. 11+84.77 ENGLER = STA 10+00.00 BOLBECHER
S 50° 03′ 19″ E
2 IN. MILL/OVERLAY
STA. 10+17.07 BOLBECHER BEGIN MILL/OVERLAY MATCH EXIST.
MATCHLINE 11+50.00 BOLBECHER RD (SEE IMPROVEMENTS PROJECT PLAN SHEET 14)

ROUTE 115

IMPROVEMENTS PROJECT PLAN SHEET 2 OF 15

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
01/25/2024 11:36:23 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 19
COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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

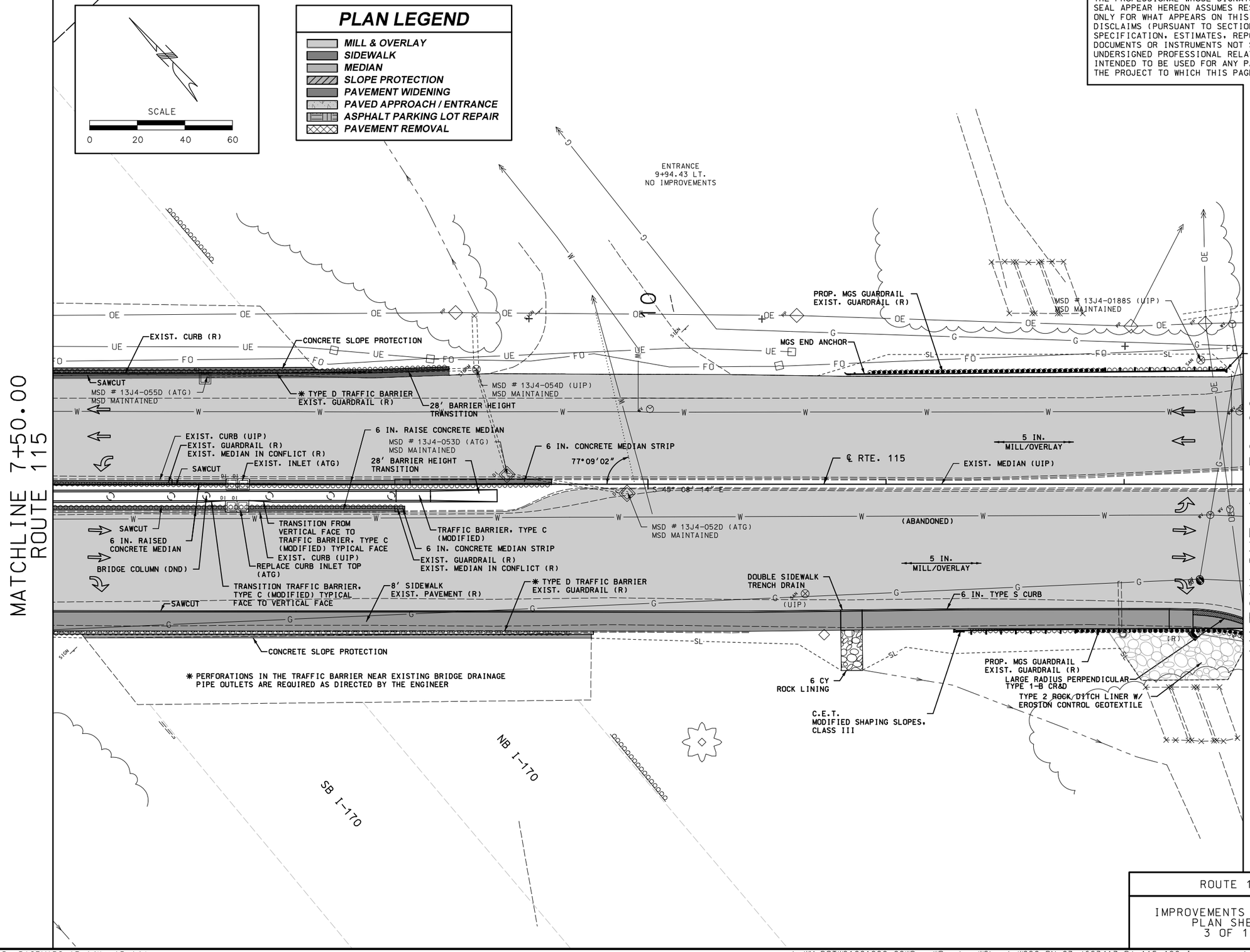
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

PLAN LEGEND

- MILL & OVERLAY
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR
- PAVEMENT REMOVAL

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.



ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
3 OF 15

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

02/28/2024 11:02:02 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
2/28/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	20

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

SCALE
0 20 40 60

PLAN LEGEND

- MILL & OVERLAY
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR
- PAVEMENT REMOVAL

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.

MATCHLINE 12+50.00 ROUTE 115

℄ SPRINGDALE AVE

EXIST. R/W

EXIST. ENTRANCE (UIP)

REBUILD TRUCK APRON

5' SIDEWALK

MSD #13J4-076D(ATG) MSD MAINTAINED

6' SIDEWALK

TYPE 3 PARALLEL CR&D

MSD #13J4-073D (UIP) MSD MAINTAINED

EXIST. ISLAND (UIP)

MSD #13J4-0107S (UIP) MSD MAINTAINED

6 IN. CONCRETE MEDIAN STRIP

STA. 14+42.65 OFF. 67.4' LT

STA. 14+80.15 OFF. 67.4' LT

STA. 15+11.03 OFF. 57.9' LT

EXIST. 24 IN. PIPE (UIP)

STA. 15+32.84 OFF. 64.4' LT

CURB & GUTTER, TYPE B
EXIST. CURB & GUTTER (R)

SAWCUT
REBUILD TRUCK APRON

5' SIDEWALK

REBUILD TRUCK APRON

6' SIDEWALK

STA. 13+67.38 RTE 115 = STA 10+00.00 SPRINGDALE

STA. 13+91.62 RTE 115 = STA 10+00.00 NB RAMP 170

MSD #13J4-079D (ATG) MSD MAINTAINED

℄ RTE 115

EXIST. MEDIAN (UIP)

6 IN. CONCRETE MEDIAN STRIP
EXIST. MEDIAN (R)

MSD #13J4-078D (ATG) MSD MAINTAINED

6 IN. CONCRETE MEDIAN STRIP

CONTROL POINT #3

6 IN. RAISED CONCRETE MEDIAN

EXIST. R/W

℄ NB I-170 RAMPS

POT STA 11+00.00

MGS END ANCHOR

LARGE RADIUS PERPENDICULAR TYPE 1-B CR&D

TYPE 2 ROCK DITCH LINER W/ EROSION CONTROL GEOTEXTILE

CURB & GUTTER, TYPE B

EXIST. PAVEMENT (R)

SAWCUT

CR&D

6' SIDEWALK

TYPE 1 PARALLEL CR&D

LARGE RADIUS PERPENDICULAR TYPE 1-B CR&D

EXIST. LIGHT (R)

5 IN. MILL/OVERLAY

5 IN. MILL/OVERLAY

(ABANDONED)

LOT A
QUIKTRIP CONSOLIDATION
PLAT #601
PB. 364 PG. 272

① 13J111732
9099 NATURAL BRIDGE ROAD
N/F
QUIK TRIP CORPORATION
DB 22220, PG 0084
0 SF NEW R/W
50 SF PERM ESM'T
155 SF TEMP ESM'T

ENTRANCE
16+19.91 LT.
65.7' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = -2.3% / -1.5% (5' ADA PATH) / -8.9% AT ℄
EXIST. GRADE = -2.4% / -6.6% / -9.0%

13J121971
9005 NATURAL BRIDGE ROAD
N/F
MOBAMA LLC
DB 20525, PG 2161
NO ACQUISITIONS

ENTRANCE
17+48.96 LT.
62.3' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +3.3% / +1.5% (5' ADA PATH) / +5.5% AT ℄
EXIST. GRADE = +7.4% / +4.2% / +2.9%

METRO STOP #9170 WITH BENCH

STA. 16+74.15 OFF. 62.6' LT

STA. 16+90.14 OFF. 57.5' LT

MATCHLINE 17+50.00 ROUTE 115

13J110504
9060 NATURAL BRIDGE ROAD
N/F
UNION ELECTRIC COMPANY
NO DB OR PAGE LISTED
NO ACQUISITIONS

13J111714
9056 NATURAL BRIDGE ROAD
N/F
MEDVE GROUP INC.
DB 20217, PG 2469
NO ACQUISITIONS

MALINE AVE
17+36.47 RT.
75.9' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = -1.5% (6' ADA PATH) / -7.0% AT ℄
EXIST. GRADE = -4.4% / -5.8%

STA. 17+36.47 RTE 115 = STA 10+00.00 MALINE

DRWY @ STA. 16+19.91 LT.

DRWY @ STA. 17+48.96 LT.

ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
4 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
01/25/2024 11:36:24 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
1/25/2024	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 21
COUNTY ST. LOUIS	
JOB NO. J6S3417	
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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

SCALE
0 20 40 60

PLAN LEGEND

- MILL & OVERLAY
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- A2 SHOULDER
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR
- PAVEMENT REMOVAL

CURVE EX_115_6	
PI	18+24.54
PC	17+73.45
PT	18+75.55
Δ	5° 51′ 00.0″ (LT)
D	5° 43′ 46.5″
L	102.10′
T	51.10′

CURVE W_MALINE1	
PI	10+84.16
PC	10+56.09
PT	11+11.85
Δ	16° 05′ 42.3″ (LT)
D	28° 51′ 56.9″
L	55.76′
T	28.06′
R	198.49′

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

PART OF SECTION 22, T46N, R6E

ENTRANCE
20+83.75 RT.
63.5′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = -0.1% / -0.1% (5′ ADA PATH) / -0.1% AT ℄
EXIST. GRADE = -0.1%

13J121971
9005 NATURAL BRIDGE ROAD
N/F
MOBAMA LLC
DB 20525, PG 2161
NO ACQUISITIONS

13J121917
8905 NATURAL BRIDGE ROAD
N/F
EAST HORIZON LLC
DB 15760, PG 1865
NO ACQUISITIONS

MATCHLINE 17+50.00
ROUTE 115

MATCHLINE 22+50.00
ROUTE 115

EXIST. 24 IN. PIPE (UIP)
STA. 17+71.77
OFF. 60.8′ LT
EXIST. CURB (UIP)
STA. 17+99.30
OFF. 66.8′ LT
6 IN. INTEGRAL CURB, TYPE A
EXIST. R/W
TYPE 2 ROCK DITCH LINER
STA. 19+94.45
OFF. 64.1′ LT
5′SIDEWALK
STA. 20+28.63
OFF. 68.9′ LT
EXIST. CURB (UIP)
STA. 21+49.09
OFF. 68.3′ LT
STA. 21+65.78
OFF. 65.9′ LT
STA. 21+82.48
OFF. 68.2′ LT
5′SIDEWALK
EXIST. R/W
24 IN. FES
FES 16
FES 15
FES 14
FES 17
FES 18
15 IN. FES
EXIST. DITCH (UIP)
REGRADE DITCH TO FLOW
TYPE 2 ROCK DITCH LINER
STA. 19+94.15
5 IN.
MILL/OVERLAY
15 IN. PIPE
EXIST. PIPE (R)
SAWCUT
A2 SHOULDER
EXIST. 24 IN.
PIPE (UIP)
PC STA 17+73.45
PT STA 18+75.55
MSD #13J4-164D (UIP)
MSD MAINTAINED
STA. 19+61.23
OFF. 10.02 LT
6 IN. CONCRETE MEDIAN STRIP
EXIST. MEDIAN (R)
STA. 18+86.40
OFF. 2.08 LT
PROP. CURB INLET
EXIST. 12 IN. PIPE (UIP)
STA. 21+03.22 RTE 115 =
STA 10+00.00 SARGENT
CI 3
85°25′38″
12 IN. PIPE
EXIST. 12
IN. PIPE (R)
MH 14
CI 4
PROP. CURB INLET
PAVEMENT
WIDENING
6 IN. CONCRETE MEDIAN STRIP
EXIST. GRASS MEDIAN (R)
℄ RTE. 115
MSD #13J4-080D (UIP)
MSD MAINTAINED
EXIST. CONCRETE
MEDIAN (UIP)
CONVERT INLET
TO MANHOLE
CURB & GUTTER, TYPE B
5 IN.
MILL/OVERLAY
CURB & GUTTER, TYPE B
6′ SIDEWALK
EXIST. PAVEMENT (R)
PC STA 10+56.09
STA. 18+76.31
OFF. 48.2′ RT
MSD #13J4-068D (UIP)
MSD MAINTAINED
LARGE RADIUS PERPENDICULAR
TYPE 1-B CR&D
METRO STOP #9217
WITH BENCH
STA. 19+09.70
OFF. 57.6′ RT
5′ SIDEWALK
PT STA 11+11.85
EXIST. R/W
CONTROL POINT #4
MSD #13J4-175D (UIP)
MSD MAINTAINED
PERPENDICULAR TYPE 1-C CR&D
MSD #14J-224S (UIP)
MSD MAINTAINED
STA. 22+15.61
OFF. 38.3′ RT
6 IN.
TYPE S CURB
5′ SIDEWALK
EXIST. PAVEMENT (R)
PERPENDICULAR TYPE 1-C CR&D
EXIST. DITCH (UIP)
EXIST. R/W
SEE NEXT SHEET
FOR PROPERTY INFO
℄ MALINE AVE
S 13° 17′ 03″ W
S 12° 47′ 59″ W
℄ SARGENT AVE
POT STA 11+72.12
DRWY ℄ STA. 19+51.42 RT
DRWY ℄ STA. 19+42.81 RT

ENTRANCE
19+51.42 RT.
93.4′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = -6.5% / -1.5% (5′ ADA PATH) AT ℄
EXIST. GRADE = -4.6% / -6.0%

14J431994
9038 NATURAL BRIDGE ROAD
N/F
ALLIANCE PETROLEUM LLC
DB 22394, PG 1112
NO ACQUISITIONS

ADJUSTED LOT A

CONSOLIDATION PLAT
OF VILLAGE OF BEL-RIDGE
LOTS A, B, C, D, AND E
PB. 354 PG. 152

SARGENT AVE
21+03.22 RT.
74.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% / 1.5% (5′ ADA PATH) / +2.1% AT ℄
EXIST. GRADE = -0.7% / +2.5% / +3.2%

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

03/06/2024 9:25:08 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	22

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
5 OF 15

SCALE
0 20 40 60

PLAN LEGEND

- MILL & OVERLAY
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- A2 SHOULDER
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR
- PAVEMENT REMOVAL

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

SEE PREVIOUS SHEET FOR PROPERTY INFO

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
Jennifer Huber
03/06/2024 9:25:08 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	23

COUNTY ST. LOUIS
JOB NO. J6S3417
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

MATCHLINE 22+50.00 ROUTE 115

MATCHLINE 27+50.00 ROUTE 115

ENTRANCE
23+16.75 LT.
42.0' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +8.8% / +1.5% (5' ADA PATH) / +8.2% AT ℄
EXIST. GRADE = +4.9% / -1.9% / +11.5% / +7.2% / +10.7% / -0.08%

ENTRANCE
25+74.15 LT.
63.0' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = -2.1% / -1.5% (5' ADA PATH) / -1.0% AT ℄
EXIST. GRADE = -1.5% / -1.2% / -5.0%

REGRADE DITCH TO FLOW
5' SIDEWALK
STA. 22+75.47 OFF. 68.0' LT
STA. 22+92.16 OFF. 65.5' LT
EXIST. R/W
15 IN. FES FES 19
15 IN. FES FES 20
15 IN. FES FES 21
15 IN. FES FES 22
STA. 25+10.71 OFF. 64.7' LT
STA. 25+34.23 OFF. 66.2' LT
SAWCUT
A2 SHOULDER
6 IN. CONCRETE MEDIAN EXIST. GRASS MEDIAN (R)
STA. 22+77.91 OFF. 0.75 LT
15 IN. PIPE
STA. 23+87.80 OFF. 12.11
PROP. CURB INLET CI 5
12 IN. PIPE
6 IN. CONCRETE MEDIAN STRIP EXIST. GRASS MEDIAN (R)
℄ RTE. 115
94°59'29"
76°38'01"
87°19'22"
15 IN. PIPE EXIST. 12 IN. PIPE (R)
5 IN. MILL/OVERLAY
PROP. CURB INLET CI 6
6 IN. TYPE S CURB
PAVEMENT WIDENING
4 IN. RAISED CONCRETE MEDIAN EXIST. GRASS MEDIAN (R)
EXIST. 12 IN. PIPE (R)
PAVEMENT WIDENING EXIST. 12 IN. PIPE (R)
SIDEWALK TRENCH DRAIN
5' SIDEWALK EXIST. PAVEMENT (R)
MH 24
3" TYPE F CURB (SEPARATED)
8' SIDEWALK
RELOC. MAILBOX TO BACK OF SIDEWALK
EXIST. 18 IN. PIPE (R)
MSD #14J1-064S (ATG)
MSD MAINTAINED
STA. 23+68.78
3 CY ROCK LINING
EXIST. DITCH (UIP)
EXIST. 15 IN. PIPE (UIP)
18 IN. PIPE
FES 23
18 IN. FES
EXIST. 18 IN. PIPE AND 2 FES (R)
CONTROL POINT #5
MSD #14J1-050S (ATG)
STA. 27+44.75 OFF. 59.2' LT
TYPE 2 ROCK DITCH LINER W/ EROSION CONTROL GEOTEXTILE
42" BLACK ORNAMENTAL FENCE

ENTRANCE
23+12.03 RT.
65.0' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (5' ADA PATH) / +3.2% AT ℄
EXIST. GRADE = -1.7% / +1.4% / +6.3% / -14.3% / +7.9%
14J441498
8980 NATURAL BRIDGE ROAD
N/F
KB ST. LOUIS DIALYSIS PORTFOLIO DST
DB 22266, PG 1968
NO ACQUISITIONS

CONSOLIDATION PLAT OF VILLAGE OF BEL-RIDGE LOTS A, B, C, D, AND E
PB. 354 PG. 152
NO ACQUISITIONS
ADJUSTED LOT B

14J441502
8972 NATURAL BRIDGE ROAD
N/F
8900 NATURAL BRIDGE LLC
DB 16860, PG 0003
NO ACQUISITIONS
ADJUSTED LOT C

PART OF SECTION 22-T46N-R6E
NW 1/4 FRACTIONAL SECTION 22-T46N-R6E

ENTRANCE
26+07.61 RT.
51.2' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (5' ADA PATH) / +6.3% AT ℄
EXIST. GRADE = -2.0% / +10.2% / +1.9% / +31.5% / +7.6%
14J440916
8958 NATURAL BRIDGE ROAD
N/F
MEMPHIS PASSIVE LLC
DB 24450, PG 0510
NO ACQUISITIONS
LOT 15
LOT 14
RAMONA HEIGHTS
PB. 4 PG. 15

ENTRANCE
26+63.24 RT.
45.9' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +0.5% / +0.5% (5' ADA PATH) / +0.5% AT ℄
EXIST. GRADE = -2.3% / -4.7% / +3.4% / +6.4%
14J440882
8954 NATURAL BRIDGE ROAD
N/F
MEMPHIS PASSIVE LLC
DB 24450, PG 0510
NO ACQUISITIONS

ENTRANCE
27+27.70 RT.
39.7' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (5' ADA PATH) / +8.8% AT ℄
EXIST. GRADE = +1.6% / +0.4% / +14.8%
14J440851
8950 NATURAL BRIDGE ROAD
N/F
MEMPHIS PASSIVE LLC
DB 24450, PG 0510
NO ACQUISITIONS

ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
6 OF 15

SCALE
0 20 40 60

PLAN LEGEND

- MILL & OVERLAY
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- A2 SHOULDER
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR
- PAVEMENT REMOVAL

CURVE EX_115_9	
PI	28+82.65
PC	28+06.71
PT	29+58.58
Δ	0° 54′ 57.5″ (RT)
D	0° 36′ 11.2″
L	151.87′
T	75.94′
R	9,500.00′

SEE PLAN SHEET 5 FOR PROPERTY INFO

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
Jennifer Huber
03/06/2024 9:25:08 AM
Jennifer Huber - Civil
MO PE-2022000257

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

DESCRIPTION	DATE

DATE PREPARED: 3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	24

COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
7 OF 15

MATCHLINE 27+50.00 ROUTE 115

MATCHLINE 32+50.00 ROUTE 115

14J441124
8869 NATURAL BRIDGE ROAD
N/F
HOUSING AUTHORITY OF ST. LOUIS COUNTY
DB 07862, PG 0543
NO ACQUISITIONS

14J441135
8865 NATURAL BRIDGE ROAD
N/F
HOUSING AUTHORITY OF ST. LOUIS COUNTY
DB 07862, PG 0543
NO ACQUISITIONS

ENTRANCE
29+76.79 LT.
34.5′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.5% / +0.5% (5′ ADA PATH) / −7.5% AT ℄
EXIST. GRADE = −0.9% / −1.6% / −2.0%

ENTRANCE
31+23.73 LT.
42.0′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.5% / +0.5% (5′ ADA PATH) / −1.0% AT ℄
EXIST. GRADE = −0.1% / −0.9%

ENTRANCE
31+39.83 RT.
65.9′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% (6′ ADA PATH) / +4.8% AT ℄
EXIST. GRADE = −2.2% / +3.7% / +2.8% / +9.0% / +12.9%
ADJUSTED LOT D

STA. 32+26.82
OFF. 57.9′ RT

STA. 32+49.92
OFF. 0.5′ LT

15 IN. FES
FES 34
FES 33
FES 32
5′ SIDEWALK
EXIST. R/W
REGRADE DITCH TO FLOW
SAWCUT
A2 SHOULDER
6 IN. TYPE S CURB
4 IN. RAISED CONCRETE MEDIAN
EXIST. GRASS MEDIAN (R)
℄ RTE. 115
12 IN. PIPE
15 IN. PIPE
EXIST. 12 IN. PIPE (R)
CONTROL POINT #6
5 IN. MILL/OVERLAY
PAVEMENT WIDENING
SAWCUT FULL DEPTH SHOULDER
CONVERT EXIST. INLET TO MANHOLE
MSD # 14J1-204D (ATG) MSD MAINTAINED
MH 10
METRO STOP #9168
87°26′27″
85°57′05″
S 50° 53′ 48″ E
S 49° 58′ 51″ E
PC STA 28+06.71
PT STA 29+58.58
DRWY ℄ STA. 29+76.79 LT.
DRWY ℄ STA. 31+23.73 LT.
DRWY ℄ STA. 31+39.83 RT.
CI 18
PROP. CURB INLET
CI 29
18 IN. PIPE
3″ TYPE F CURB (SEPARATED) EXIST. CURB (R)
8′ SIDEWALK EXIST. PAVEMENT (R)
STA. 28+99.48
OFF. 39.7′ RT
6 IN. TYPE S CURB
STA. 30+19.18
OFF. 30.2′ RT
6′ SIDEWALK
STA. 30+69.25
OFF. 36.5′ RT
SIDEWALK TRENCH DRAIN
EXIST. GRASS MEDIAN (R)
MSD # 14J1-049S (ATG) MSD MAINTAINED
SIDEWALK TRENCH DRAIN
6′ SIDEWALK EXIST. PAVEMENT (R)
6 IN. TYPE S CURB
2 CY ROCK LINING
METRO STOP #9218 WITH SHELTER
EXIST. DITCH (UIP)
EXIST. R/W
EXIST. DITCH (R)
STA. 28+83.20
OFF. 37.8′ RT
TRAFFIC BARRIER, TYPE C (RETAINING WALL)
CONC. GUTTER, TYPE B
RELOC. MAILBOX TO BACK OF SIDEWALK
EXIST. 12 IN. PIPE (R)
(R&RELOC. BY OTHERS)
STA. 30+55.24
OFF. 38.5′ RT
15 IN. FES
EXIST. DITCH (UIP)
EXIST. 12 IN. PIPE (UIP)
CURB INLET (UIP)
EXIST. 12 IN. PIPE (R)
GROUT OPENING OF REMAINING CURB INLET
RETAINING WALL (DND)
REMOVE AND FILL-IN BASIN AT BEL-RIDGE CITY HALL
42″ BLACK ORNAMENTAL FENCE
EXIST. STAIRS (R&R)
BLACK HAND-RAILING FOR STEPS WITH BALUSTERS
3.3′ SIDEWALK EXIST. PAVEMENT (R&R)
STA. 28+07.28
OFF. 93.6′ RT
CONCRETE STAIRS, 14
CONCRETE STAIRS, 6
CONCRETE STAIRS, 8
STA. 28+69.87
OFF. 64.3′ RT
STA. 28+91.04
OFF. 71.2′ RT
STA. 28+11.52
OFF. 93.6′ RT
T.C.E.
FENCE TYPE CHANGES
STA. 29+14.85
OFF. 71.3′ RT
DETERIORATED STAIRS (R)
TYPE 2 ROCK DITCH LINER W/ EROSION CONTROL GEOTEXTILE
60″ CHAIN-LINK FENCE
EXIST. FENCE (R)

52
14J440833
8944 NATURAL BRIDGE ROAD
N/F
REDEEMER REALTY PLUS
DB 24331, PG 0130
0 SF NEW R/W
0 SF PERM ESM'T
704 SF TEMP ESM'T
LOT 11

14J440794
8940 NATURAL BRIDGE ROAD
N/F
REDEEMER REALTY PLUS
DB 24331, PG 0130
NO ACQUISITIONS
LOT 10

14J440772
8932 NATURAL BRIDGE ROAD
N/F
DAVID TREJO & BEATRIZ CONTRERAS, H/W
DB 22939, PG 0135
NO ACQUISITIONS
LOT 9

14J440750
8928 NATURAL BRIDGE ROAD
N/F
DAVID TREJO & BEATRIZ CONTRERAS, H/W
DB 22939, PG 0135
NO ACQUISITIONS
LOT 8

14J441511
8918 NATURAL BRIDGE ROAD
N/F
VILLAGE OF BEL-RIDGE
DB 17315, PG 4065
NO ACQUISITIONS
LOT 7

14J440631
8908 NATURAL BRIDGE ROAD
N/F
EASTERN MO CELLULAR TOWER HOLD
DB 16324, PG 1806
NO ACQUISITIONS

CONSOLIDATION PLAT
OF VILLAGE OF BEL-RIDGE
LOTS A, B, C, D, AND E
PB. 354 PG. 152

NE 1/4 FRACTIONAL SECTION 22, T46N, R6E

23MSD-00345, BASEMAPS 13-14K, 13-14J

L:\MoDOT\21001220-00\Draw\Roadway\Sheets\024_PN_07_J6S3417_Rte115_i20_Improvement Plans.dgn

3/6/2024

SCALE
0 20 40 60

PLAN LEGEND

- MILL & OVERLAY
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- A2 SHOULDER
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR
- PAVEMENT REMOVAL

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

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.

CURVE EX_115_12	
PI	33+13.95
PC	33+01.26
PT	33+26.63
Δ	1° 27′ 14.2″ (RT)
D	5° 43′ 46.5″
L	25.38′
T	12.69′
R	1,000.00′

CURVE EX_115_15	
PI	36+03.84
PC	35+35.15
PT	36+72.53
Δ	1° 22′ 12.0″ (LT)
D	0° 59′ 50.0″
L	137.38′
T	68.69′
R	5,745.56′

SEE PREVIOUS SHEET FOR PROPERTY INFO

14J530521
8835 NATURAL BRIDGE ROAD
N/F
NEILSON INC.
DB 21410, PG 3070
NO ACQUISITIONS

(2) SEE NEXT SHEET

ENTRANCE
34+71.93 LT.
77.7′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = -2.0% / -1.5% (5′ ADA PATH) / -3.5% AT ℄
EXIST. GRADE = -1.9% / -1.1%

ENTRANCE
37+45.11 LT.
61.5′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.6% (6′ ADA PATH) / +0.6% AT ℄
EXIST. GRADE = +2.1% / +2.7% / +1.1%

ENTRANCE
36+30.34 LT.
65.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.5% / +0.5% (5′ ADA PATH) / -8.8% AT ℄
EXIST. GRADE = -3.9% / -1.4% / -3.2%

MATCHLINE 32+50.00 ROUTE 115

MATCHLINE 37+50.00 ROUTE 115

5 IN. MILL/OVERLAY
STA. 33+00.32 OFF. 66.2′ LT
5′ SIDEWALK
STA. 32+78.54 OFF. 65.2′ LT
STA. 32+72.12 OFF. 65.5′ LT
PERPENDICULAR TYPE 1-C CR&D
STA. 33+06.71
2 IN. MILL/OVERLAY
STA. 33+49.94 OFF. 65.7′ LT
STA. 34+19.47 OFF. 55.5′ LT
CONTROL POINT #7
STA. 35+01.70 OFF. 56.2′ LT
EX. SIGN (DND)
STA. 35+40.54 OFF. 43.1′ LT
5′ SIDEWALK
STA. 37+14.22 OFF. 33.5′ LT
STA. 37+00.20 OFF. 41.3′ LT
5′ SIDEWALK
EXIST. BOULDER AND BOLLARD (R)
EXIST. R/W
EXIST. DITCH (UIP)
RRFB 2′ BASE
PC STA 33+01.26
PT STA 33+26.63
STA. 33+39.66 RTE 115 = STA 10+00.00 LEEWARD
SAWCUT
FULL DEPTH SHOULDER
PAVEMENT WIDENING
EXIST. GRASS MEDIAN (R)
STA. 34+41.65 OFF. 5.5′ LT
PC STA 35+35.15
℄ RTE. 115
S 48° 31′ 37″ E
6 IN. TYPE S CURB
EXIST. CURB (R)
PT STA 36+72.53
EXIST. GUARDRAIL (R)
6 IN. TYPE S CURB
EXIST. CURB (R)
S 50° 22′ 34″ E
6 IN. CONCRETE MEDIAN STRIP
6 IN. TYPE S CURB
STA. 33+00.51 OFF. 0.2′ LT
LARGE RADIUS PERPENDICULAR TYPE 1-B CR&D
MSD 314J1-048S (ATG) MSD MAINTAINED
SAWCUT
5′ SIDEWALK
6 IN. TYPE S CURB
EXIST. CURB (R)
STA. 35+25.17 OFF. 33.8′ RT
MSD 14J1-047S (ATG) MSD MAINTAINED
STA. 37+38.67 OFF. 37.7′ RT
STA. 37+19.43 OFF. 34.0′ RT
DRWY ℄ STA. 34+81.58 RT.
DRWY ℄ STA. 34+81.33 LT.
DRWY ℄ STA. 35+81.84 RT.
DRWY ℄ STA. 36+81.76 RT.
DRWY ℄ STA. 36+30.34 LT.
DRWY ℄ STA. 37+45.11 LT.
EXIST. DITCH (UIP)
5′ SIDEWALK EXIST. PAVEMENT (R)
STA. 32+83.03 OFF. 41.2′ RT
STA. 32+96.89 OFF. 38.3′ RT
STA. 32+66.04 OFF. 41.1′ RT
RRFB 2′ BASE
COMPOUND PERPENDICULAR CR&D
MSD #14J1-200D (ATG)
SMALL RADIUS PERPENDICULAR TYPE 1-A CR&D
MSD 314J1-199D (ATG)
EXIST. FLAG POLE & LANDSCAPING (DND)
T.C.E.
STA. 35+15.95 OFF. 39.5′ RT
PARKING LOT REPAIR
EXIST. BUSHES (DND)
STA. 37.29.78 OFF. 37.6′ RT
S 39° 02′ 45″ W
℄ LEEWARD AVE
POT STA 11+28.44
LEEWARD AVE
33+39.66 RT.
61.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% (6′ ADA PATH) / +9.5% / +12.8% AT ℄
EXIST. GRADE = +3.4% / +11.2% / +13.4%
ENTRANCE
34+81.58 RT.
35.0′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% / +1.5% (5′ ADA PATH) / +4.7% AT ℄
EXIST. GRADE = +2.9% / +8.9%
ENTRANCE
35+81.84 RT.
59.5′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +9.5% / +1.5% (5′ ADA PATH) / +12.9% AT ℄
EXIST. GRADE = +6.7% / +4.5% / +15.8%
ENTRANCE
36+61.76 RT.
98.8′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +9.5% / +1.5% (5′ ADA PATH) / +9.3% AT ℄
EXIST. GRADE = +6.8% / +11.5% / +4.3% / +12.2% / +9.0%

(31) 14J441531
8842 NATURAL BRIDGE ROAD
N/F
AMVETS POST 55 INC
DB 17398, PG 0421
0 SF NEW R/W
0 SF PERM ESM'T
1115 SF TEMP ESM'T

(32) 14J441542
8832 NATURAL BRIDGE ROAD
N/F
F & S INVESTMENTS LLC
DB 17614, PG 0616
0 SF NEW R/W
0 SF PERM ESM'T
402 SF TEMP ESM'T

(33) 14J440343
8828 NATURAL BRIDGE ROAD
N/F
F & S INVESTMENTS LLC
DB 13462, PG 1780
0 SF NEW R/W
0 SF PERM ESM'T
596 SF TEMP ESM'T

(34) 14J530246
8826 NATURAL BRIDGE ROAD
N/F
LILY OF THE VALLET CORPORATION
DB 17857, PG 3452
0 SF NEW R/W
0 SF PERM ESM'T
290 SF TEMP ESM'T

14J440604
8904 NATURAL BRIDGE ROAD
N/F
EASTERN MO CELLULAR TOWER HOLD
DB 16324, PG 1806
NO ACQUISITIONS

RAMONA HEIGHTS
PB. 4 PG. 15
LOT 1
LOT 2
LOT 18
LOT 19
LOT 20
LOT 21
LOT 22
LOT 23
LOT 24

ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
8 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI PROFESSIONAL ENGINEER
Jennifer Huber
03/06/2024 9:25:08 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	25

COUNTY ST. LOUIS
JOB NO. J6S3417
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

PLAN LEGEND

- MILL & OVERLAY
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR
- PAVEMENT REMOVAL

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.

CURVE EX_115_18	
PI	44+71.91
PC	40+27.57
PT	49+15.01
Δ	7° 23′ 45.0″ (RT)
D	0° 50′ 00.2″
L	887.44′
T	444.34′
R	6,875.00′

MATCHLINE 37+50.00 ROUTE 115

MATCHLINE 42+00.00 ROUTE 115

LADA AVE
40+40.89 LT.
64.8′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.5% (6′ ADA PATH) / -4.9% AT ℄
EXIST. GRADE = -3.9% / -2.2%

℄ LADA AVE

POT STA 11+44.85

ENTRANCE
38+51.93 LT.
66.4′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% (6′ ADA PATH) / +1.3% AT ℄
EXIST. GRADE = +0.5% / +5.1% / +1.3%

(2) VOID
14J530598
8807 NATURAL BRIDGE ROAD
N/F
LYNNCO INC.
DB 8241, PG 1903
NO ACQUISITIONS

(3) 14J531391
8801 NATURAL BRIDGE ROAD
N/F
LINDBERG, JOHNSON & COFFEE ENTERPRISES LTD
DB 14807, PG 1696
0 SF NEW R/W
236 SF PERM ESM'T
432 SF TEMP ESM'T

ENTRANCE
39+05.70 LT.
40.4′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +2.0% / +1.5% (5′ ADA PATH) / +4.6% AT ℄
EXIST. GRADE = +2.1% / +5.6%

(4) VOID
14J531401
8765 NATURAL BRIDGE ROAD
N/F
TOPE INC
DB 17132, PG 3813
NO ACQUISITIONS

ENTRANCE
41+21.43 LT.
17.3′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.0% / +1.0% (5′ ADA PATH) / +1.2% AT ℄
EXIST. GRADE = +0.5% / +1.3% / +4.1% / 7.0%

(5) 14J530103
8761 NATURAL BRIDGE ROAD
N/F
TOPE PROPERTIES INC
DB 19641, PG 1294
0 SF NEW R/W
78 SF PERM ESM'T
263 SF TEMP ESM'T

LOT 3 BLOCK 2 LOT 2 LOT 1 LOT 13 LOT 12 LOT 11

EXIST. R/W EXIST. R/W EXIST. R/W

STA. 38+86.65 OFF. 37.7′ LT
STA. 38+83.06 OFF. 35.3′ LT
STA. 37+94.47 OFF. 34.4′ LT
STA. 38+07+04 OFF. 33.7′ LT
STA. 39+25.38 OFF. 40.9′ LT
STA. 39+34.49 OFF. 35.8′ LT

LARGE RAIUS PERPENDICULAR TYPE 1-B CR&D

P.E. T.C.E. EXIST. R/W

6′ SIDEWALK
6 IN. TYPE S CURB
EXIST. CURB (R)

EXIST. WALL (DND)
BLENDED TRANSITION CR&D
4 IN. TYPE S CURB
EXIST. CURB (R)
EXIST. STAIRS (DND)
EXIST. WALL (DND)

METRO STOP #9166
POLE (UIP)
P.E.
RRFB
2′
BASE

COMPOUND PERPENDICULAR CR&D
T.C.E.
EXIST R/W

5′ SIDEWALK
MSD #14J1-045S (ATG)
MSD MAINTAINED

6 IN. CONCRETE MEDIAN STRIP

STA. 41+59.86 OFF. 0.2′ LT
STA. 41+90.85 OFF. 0.1′ LT

℄ RTE. 115
S 50° 22′ 34″ E
N 39° 04′ 47″ E

DRWY ℄ STA. 37+60.53 RT.
DRWY ℄ STA. 39+05.70 LT.
DRWY ℄ STA. 39+18.08 RT.
DRWY ℄ STA. 40+22.84 RT.
DRWY ℄ STA. 41+21.43 LT.
DRWY ℄ STA. 41+42.47 RT.
DRWY ℄ STA. 41+94.50 RT.

85° 24′ 04″
77° 35′ 11″
82° 33′ 41″

PC STA 40+27.57

2 IN. MILL/OVERLAY

STA. 40+40.89 RTE 115 = STA 10+00.00 LADA

6′ SIDEWALK
EXIST. SIDEWALK (R)

MSD #14J1-046S (ATG)
MSD MAINTAINED

CONTROL POINT#8 (RELOC.)

STA. 39+47.71 OFF. 38.9′ RT
STA. 39+63.90 OFF. 36.5′ RT

EXIST. POSTS AND LIGHT (DND)
PARKING LOT REPAIR
EXIST. WALL (DND)
EXIST. SIGN (DND)
PARKING LOT REPAIR
EXIST. LANDSCAPING AND WALLS (DND)
EXIST. STAIRS (DND)

STA. 41+23.43 OFF. 35.4′ RT
STA. 41+66.56 OFF. 40.2′ RT
STA. 41+78.50 OFF. 40.2′ RT
STA. 41+88.67 OFF. 38.2′ RT

P.E. (R) T.C.E. P.E. P.E. T.C.E.
POST (R)
METRO STOP #9219
COMPOUND PERPENDICULAR CR&D
POST (R)

(37) 14J531544
8804 NATURAL BRIDGE ROAD
N/F
ALBERTA PROPERTIES 8804 LLC
DB 17188, PG 3092
0 SF NEW R/W
0 SF PERM ESM'T
1753 SF TEMP ESM'T

(38) VOID
14J511359
8800 NATURAL BRIDGE ROAD
N/F
DEBRES ERNEST
DB 16877, PG 660
NO ACQUISITIONS

(39) 14J511294
8800 NATURAL BRIDGE ROAD
UNIT R
N/F
COOPERWOOD VENIETRICE
DB 16475, PG 2096
0 SF NEW R/W
360 SF PERM ESM'T
306 SF TEMP ESM'T

ENTRANCE
38+20.85 RT.
15.4′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% (4′ ADA PATH) / +11.5% AT ℄
EXIST. GRADE = +0.1% / -7.6% / +2.0% / +21.7%

ENTRANCE
39+18.08 RT.
49.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% / +1.5% (6′ ADA PATH) / +7.7% AT ℄
EXIST. GRADE = +13.5% / +2.0% / +4.0%

ENTRANCE
40+22.84 RT.
43.2′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% (6′ ADA PATH) / +5.7% AT ℄
EXIST. GRADE = +10.1% / +1.6% / +2.8% / +2.2%

ENTRANCE
41+42.47 RT.
35.4′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.8 % / +0.8% (6′ ADA PATH) AT ℄
EXIST. GRADE = +2.3% / +2.3% / -0.1%

ENTRANCE
41+94.50 RT.
25.6′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.5% / +0.5% (5′ ADA PATH) / -7.9%. AT ℄
EXIST. GRADE = -1.2% / +2.6% / -10.6%

ENTRANCE
37+60.53 RT.
34.5′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% (4′ ADA PATH) / +9.5% / +17.4% AT ℄
EXIST. GRADE = +16.3% / -14.8% / +2.0% / +18.6% / +13.5%

(35) 14J530213
8824 NATURAL BRIDGE ROAD
N/F
8824 ANNEX LLC
DB 17432, PG 2406
0 SF NEW R/W
0 SF PERM ESM'T
290 SF TEMP ESM'T

(36) VOID
14J531511
8822 NATURAL BRIDGE ROAD
N/F
TOPE INC
DB 16310, PG 0023
NO ACQUISITIONS

LOT 25 LOT 26 LOT 27 LOT 28 BLOCK 4 LOT 2 LOT 1

POT STA 12+60.41

℄ RAMONA AVE

N 89° 33′ 41″ W

ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
9 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI PROFESSIONAL ENGINEER
01/25/2024 11:36:24 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	26

COUNTY ST. LOUIS
JOB NO. J6S3417
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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

SCALE
0 20 40 60

CURVE EX_115_18	
PI	44+71.91
PC	40+27.57
PT	49+15.01
Δ	7° 23′ 45.0″ (RT)
D	0° 50′ 00.2″
L	887.44′
T	444.34′
R	6,875.00′

(5) SEE PREVIOUS SHEET

MATCHLINE 42+00.00
ROUTE 115

(7) VOID 14J530026 8751 NATURAL BRIDGE ROAD N/F TOPE PROPERTIES LLC DB 19641, PG 1297 NO ACQUISITIONS

14J511304 8745 NATURAL BRIDGE ROAD N/F NORTH HANLEY LLC DB 20275, PG 0854 NO ACQUISITIONS

SHIRLEY TERRACE PB. 22, PG. 4

LOT 10 | LOT 9 | LOT 8 | LOT 7 | LOT 6 | LOT 5 | LOT 4 | LOT 3 | LOT 2

(6) VOID 14J530060 8755 NATURAL BRIDGE ROAD N/F TOPE PROPERTIES DB 17229, PG 0634 NO ACQUISITIONS

14J511371 8747 NATURAL BRIDGE ROAD N/F TOPE PROPERTIES LLC DB 11488, PG 1841 NO ACQUISITIONS

14J511283 8743 NATURAL BRIDGE ROAD N/F BIRCH PROPERTY LLC DB 24102, PG 4871 NO ACQUISITIONS

(9) 14J511250 8741 NATURAL BRIDGE ROAD N/F ASHFORD BYOTHA L DB 9467, PG 0622 0 SF NEW R/W 0 SF PERM ESM'T 31 SF TEMP ESM'T

(10) 14J511238 8737 NATURAL BRIDGE ROAD N/F FXC, L.L.C. DB 11950, PG 2348 0 SF NEW R/W 0 SF PERM ESM'T 40 SF TEMP ESM'T

(11) 14J511216 8733 NATURAL BRIDGE ROAD N/F PERNIK LEONID & IRINA P/M DB 24020, PG 1869 0 SF NEW R/W 0 SF PERM ESM'T 122 SF TEMP ESM'T

(12) 14J511184 8729 NATURAL BRIDGE ROAD N/F HARVEY HELEN DB 12360, PG 1595 0 SF NEW R/W 0 SF PERM ESM'T 116 SF TEMP ESM'T

(13) VOID 14J511085 8725 NATURAL BRIDGE ROAD N/F NGUYEN NAM ET AL DB 19328, PG 0713 NO ACQUISITION

(14) SEE NEXT SHEET

ENTRANCE
42+15.11 LT.
24.9′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +3.4% / +1.5% (5′ ADA PATH) AT ℄
EXIST. GRADE = −0.6% / +2.0% / +13.7% / +7.4% / +2.2%

DRIVEWAY
43+08.28 LT.
17.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +8.5% / +1.5% (5′ ADA PATH) / +1.0% AT ℄
EXIST. GRADE = +3.6% / +6.2% / +9.4% / +1.8%

DRIVEWAY
43+52.77 LT.
17.3′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +3.0% / +1.5% (5′ ADA PATH) / +4.5% AT ℄
EXIST. GRADE = +1.2% / +4.8% / +3.4%

DRIVEWAY
43+92.16 LT.
18.2′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +6.0% / +1.5% (4′ ADA PATH) / +4.4% AT ℄
EXIST. GRADE = +4.9% / +3.7% / +7.8%

DRIVEWAY
44+26.30 LT.
19.6′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +5.5% / +1.5% (4′ ADA PATH) / +6.2% AT ℄
EXIST. GRADE = +7.8% / +4.9% / +3.3%

DRIVEWAY
44+77.48 LT.
18.2′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +9.0% / +1.5% (5′ ADA PATH) / +8.9% AT ℄
EXIST. GRADE = +8.7% / +1.4% / +13.5% / +3.1%

DRIVEWAY
45+27.76 LT.
18.4′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +8.5% / +1.5% (4′ ADA PATH) / +9.0% AT ℄
EXIST. GRADE = +13.0% / +2.6% / +13.5%

DRIVEWAY
45+66.79 LT.
19.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +9.1% / +1.5% (4′ ADA PATH) / +9.5% AT ℄
EXIST. GRADE = +7.6% / +14.5% / +1.1% / +14.7% / +12.0%

DRIVEWAY
46+07.01 LT.
18.0′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +9.5% / +1.5% (4′ ADA PATH) / +6.9% AT ℄
EXIST. GRADE = +6.8% / +9.9% / +5.6% / +2.7% / +20.3% / +17.1%

DRIVEWAY
46+48.42 LT.
18.6′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +9.5% / +1.5% (4′ ADA PATH) / +9.5% / +15.5% AT ℄
EXIST. GRADE = +6.3% / +5.2% / +22.4% / 12.0%

MSD #14J1-146S (ATG) MSD MAINTAINED
MSD #14J1-220D (ATG) MSD MAINTAINED
MSD #14J1-219D (ATG) MSD MAINTAINED
MSD #14J1-145S (ATG) MSD MAINTAINED
MSD #14J1-153S (ATG) MSD MAINTAINED
MSD #14J1-221D (ATG) MSD MAINTAINED
MSD #14J1-223D (UIP)
MSD #14J1-224D (UIP)

TIE INTO EXIST. STAIRS
VAR. HEIGHT CURB, TYPE A
VAR. HEIGHT CURB, TYPE S
EXIST. STAIRS (DND)
EXIST. WALLS (DND)
EXIST. WALL (DND)
EXIST. R/W
T.C.E.

5′ SIDEWALK EXIST. SIDEWALK (R)
6′ SIDEWALK EXIST. SIDEWALK (R)
VAR. HEIGHT CURB, TYPE S (TYP.) EXIST. CURB (R)
6 IN. TYPE S CURB EXIST. CURB (R)
2 IN. MILL/OVERLAY
6 IN. CONCRETE MEDIAN
SMALL RADIUS PERPENDICULAR TYPE 1-A CR&D
PARKING LOT REPAIR

84°59′00″ | 85°30′51″ | 86°40′49″ | 87°25′46″ | 83°55′01″ | 78°55′20″

STA. 42+76.54 RTE 115 = STA 10+00.00 RAMONA
℄ RTE. 115
PC STA 10+20.54
PT STA 10+75.86
CONTROL POINT #9
STA. 43+28.20 OFF. 37.4′ RT
STA. 43+22.76 OFF. 38.6′ RT

℄ RAMONA AVE
℄ MEDORA AVE
EQUATION: STA 11+44.39 BK = STA 11+40.03 AH

(39) SEE PREVIOUS SHEET

(40) 14J511667 8744 NATURAL BRIDGE ROAD N/F BR HOLDINGS LLC DB 18088, PG 1233 0 SF NEW R/W 0 SF PERM ESM'T 1959 SF TEMP ESM'T

(41) 14J511678 8730 NATURAL BRIDGE ROAD N/F STEVEN R THOMPSON PROPERTIES DB 22059, PG 103 0 SF NEW R/W 0 SF PERM ESM'T 1286 SF TEMP ESM'T

RAMONA HEIGHTS PB. 4 PG. 15
LOT 1 | LOT 2 | LOT 3 | BLOCK 3
PARTITION OF SAMUEL CLER ESTATES RAMONA HEIGHTS PB. 4 PG. 15 SEC. 22-T46N-R6E
NE 1/4 FRACTIONAL SECTION 22, T46N, R6E
SE 1/4 FRACTIONAL SECTION 22, T46N, R6E

RAMONA AVE
42+76.54 RT.
99.6′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = −1.5% (5′ ADA PATH) / −6.6% AT ℄
EXIST. GRADE = −4.7% / −7.9% / −5.4%

ENTRANCE
44+22.44 RT.
69.7′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% / +1.5% (5′ ADA PATH) / +1.5% AT ℄
EXIST. GRADE = +0.5% / +2.4% / +1.3% / +3.9% / +2.5%

ENTRANCE
45+45.61 RT.
50.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +5.0% / +1.5% (5′ ADA PATH) / +7.2% AT ℄
EXIST. GRADE = +7.7% / −4.3% / +3.7%

ENTRANCE
46+26.86 RT.
46.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +4.6% / +1.5% (5′ ADA PATH) / +2.5% AT ℄
EXIST. GRADE = +6.0% / −1.9%

CURVE RAMONA1	
PI	10+50.00
PC	10+20.54
PT	10+75.86
Δ	48° 44′ 24.0″ (RT)
D	88° 06′ 06.3″
L	55.32′
T	29.46′
R	65.03′

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

PLAN LEGEND
- MILL & OVERLAY
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR
- PAVEMENT REMOVAL

MATCHLINE 46+50.00
ROUTE 115

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 · JENNIFER L. HUBER · NUMBER PE-2022000257 · PROFESSIONAL ENGINEER
01/25/2024 11:36:24 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	27

COUNTY ST. LOUIS
JOB NO. J6S3417
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 1500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
10 OF 15

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.

MATCHLINE 46+50.00 ROUTE 115

MATCHLINE 51+50.00 ROUTE 115

SHIRLEY TERRACE PB. 22, PG. 4

ROSEMONT ON THE SUBURBAN PB. 6 PG. 51

NE 1/4 FRACTIONAL SECTION 22, T46N, R6E

SE 1/4 FRACTIONAL SECTION 22, T46N, R6E

LOT 1 | LOT 2 | LOT 3 | LOT 4 | LOT 5 | LOT 6 | LOT 7

(14) 14J511690 / 14J511689 — 8717 NATURAL BRIDGE ROAD / 8721 NATURAL BRIDGE ROAD — N/F L A ENTERPRISES LLC DB 17269, PG 1054 — 0 SF NEW R/W, 0 SF PERM ESM'T, 397 SF TEMP ESM'T

(16) 14J511018 — 8715 NATURAL BRIDGE ROAD — N/F WILLIAMS EDWARD & CAROLYN T/E DB 23328, PG 2381 — 0 SF NEW R/W, 0 SF PERM ESM'T, 184 SF TEMP ESM'T

(17) 14J510985 — 8711 NATURAL BRIDGE ROAD — N/F JACKSON JAMELL RENIA H/W DB 14428, PG 2112 — 0 SF NEW R/W, 0 SF PERM ESM'T, 150 SF TEMP ESM'T

(18) 14J510921 — 8705 NATURAL BRIDGE ROAD — N/F MACKIE PETER DB 21841, PG 0812 — 0 SF NEW R/W, 0 SF PERM ESM'T, 150 SF TEMP ESM'T

(19) 14J510875 — 8701 NATURAL BRIDGE ROAD — N/F DUKES DEMETRIUS ETAL DB 22748, PG 1650 — 0 SF NEW R/W, 54 SF PERM ESM'T, 174 SF TEMP ESM'T

(20) 14J510853 — 8659 NATURAL BRIDGE ROAD — N/F WILLIAMS THOMAS G MAUREEN A H/W DB 9154, PG 1833 — 0 SF NEW R/W, 50 SF PERM ESM'T, 223 SF TEMP ESM'T

(21) 14J510811 — 8657 NATURAL BRIDGE ROAD — N/F WILLIAMS THOMAS G MAUREEN A H/W DB 9154, PG 1812 — 0 SF NEW R/W, 50 SF PERM ESM'T, 221 SF TEMP ESM'T

(22) 14J510787 — 8653 NATURAL BRIDGE ROAD — N/F CHAD & CHRIS HOLDINGS LLC DB 24114, PG 3771 — 0 SF NEW R/W, 50 SF PERM ESM'T, 220 SF TEMP ESM'T

(24) SEE NEXT SHEET

DRIVEWAY 47+71.17 LT.
19.6' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +6.0% / +1.5% (5' ADA PATH) / +4.4% AT ℄
EXIST. GRADE = +10.2% / +2.0% / +8.0%

DRIVEWAY 47+28.51 LT.
21.6' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +6.0% / +1.5% (5' ADA PATH) / +6.3% AT ℄
EXIST. GRADE = +8.8% / +20.2% / +2.2% / +5.0%

DRIVEWAY 48+21.66 LT.
18.8' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +8.0% / +1.5% (5' ADA PATH) / + 8.5% AT ℄
EXIST. GRADE = +6.0% / +0.2% / +24.5% / +15.4%

DRIVEWAY 48+73.01 LT.
21.8' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +8.0% / +1.5% (5' ADA PATH) / 3:1 AT ℄
EXIST. GRADE = +8.4% / +3.8% / +36.1% / +16.7%

MEDORA AVE 49+31.25 LT.
38.6' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (5' ADA PATH) / +6.4% AT ℄
EXIST. GRADE = +1.1% / +9.0% / +7.0% / +3.3%

DRIVEWAY 49+97.33 LT.
29.2' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +9.5% / +1.5% (4' ADA PATH) / +9.5% AT ℄
EXIST. GRADE = +2.2% / +22.1% / +17.7%

DRIVEWAY 50+57.02 LT.
18.5' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +9.5% / +1.5% (4' ADA PATH) / +9.5% AT ℄
EXIST. GRADE = +7.6% / +3.5% / +22.2% / +17.8%

ENTRANCE 51+05.09 LT.
18.9' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +9.5% / +1.5% (4' ADA PATH) / +10.5% / +20.4% AT ℄
EXIST. GRADE = +9.1% / +2.2% / +25.8% / +16.2% / +11.9%

℄ MEDORA AVE

POT STA 10+83.63

PT STA 10+72.65

PT STA 49+15.01

PC STA 10+24.39 (RELOC.)

STA. 46+79.64 RTE 115 = STA 10+00.00 MEDORA

STA. 49+31.25 RTE 115 = STA 10+00.00 MEDORA

℄ RTE. 115

2 IN. MILL/OVERLAY

MSD #14J1-212D (ATG) MSD MAINTAINED
MSD #14J1-214D (ATG) MSD MAINTAINED
MSD #14J1-216D (ATG) MSD MAINTAINED
MSD #14J1-217D (ATG) MSD MAINTAINED
MSD #14J1-141S (ATG) MSD MAINTAINED
MSD #14J1-142S (ATG) MSD MAINTAINED
MSD #14J1-139S (ATG) MSD MAINTAINED
MSD #14J1-211D(ATG) MSD MAINTAINED
MSD #14J1-143S (ATG) MSD MAINTAINED
MSD #14J1-144S (ATG) MSD MAINTAINED
MSD #14J1-218D (ATG)

SMALL RADIUS PERPENDICULAR TYPE 1-A CR&D

VAR. HEIGHT CURB, TYPE A

VAR. HEIGHT CURB, TYPE S (TYP.) EXIST. CURB (R)

6 IN. CURB, TYPE S EXIST. CURB (R)

5' SIDEWALK EXIST. SIDEWALK (R)

6' SIDEWALK EXIST. SIDEWALK (R)

5' SIDEWALK WITH SLOPE PROTECTION EXIST. SIDEWALK (R)

EXIST. WALL (DND)

EXIST. STAIRS (DND)

EXIST. FENCE (DND)

TIE INTO EXIST. STAIRS

TIE INTO EXIST. WALLS (DND)

BUSHES (DND)

METRO STOP #9220

STA. 49+08.52 OFF. 37.4' LT

STA. 50+25.84 OFF. 36.8' LT

STA. 50+79.74 OFF. 31.7' LT

84°50'12"

88°01'39"

88°06'50"

88°45'09"

S 42° 58' 49" E

MEDORA AVE 46+79.64 RT.
70.8' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (4' ADA PATH) / +7.5% AT ℄
EXIST. GRADE = -2.0% / +10.3% / +7.6% / +12.8% / +5.0%

DRIVEWAY 48+59.34 RT.
20.4' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +5.0% / +1.5% (4' ADA PATH) / +6.1% AT ℄
EXIST. GRADE = +0.4% / +12.3% / +2.7% / +12.6%

DRIVEWAY 49+07.68 RT.
19.8' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +9.5% / +1.5% (4' ADA PATH) / +9.5% AT ℄
EXIST. GRADE = +0.2% / +10.8% / +4.8% / +16.9%

ENTRANCE 50+87.47 RT.
49.0' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% (6' ADA PATH) / +7.4% AT ℄
EXIST. GRADE = +13.4% / +3.8% / +5.7% / +11.0% / +0.0%

(42) 14J511577 — 8718 NATURAL BRIDGE ROAD — N/F EVELD INVESTMENTS DB 15556, PG 502 — 0 SF NEW R/W, 0 SF PERM ESM'T, 1156 SF TEMP ESM'T

(43) 14J510721 — 8704 NATURAL BRIDGE ROAD — N/F GILLARD I TIMOTHY P ANNE H/W DB 8592, PG 611 — 0 SF NEW R/W, 0 SF PERM ESM'T, 398 SF TEMP ESM'T

(44) 14J510701 — 8700 NATURAL BRIDGE ROAD — N/F GAMMA THETA ALUMNI ASSOCIATION OF SIGMA TAU GAMMA DB 15558, PG 1862 — 0 SF NEW R/W, 0 SF PERM ESM'T, 399 SF TEMP ESM'T

(45) 14J511436 — 8660 NATURAL BRIDGE ROAD — N/F GAMMA THETA OF SIGMA TAU GAMMA ET AL DB 6808, PG 0012 — 0 SF NEW R/W, 0 SF PERM ESM'T, 780 SF TEMP ESM'T

(46) 14J511513 — 8654 NATURAL BRIDGE ROAD — N/F HZ PROPS LLC DB 21296, PG 396 — 0 SF NEW R/W, 0 SF PERM ESM'T, 1183 SF TEMP ESM'T

RAMONA HEIGHTS PB. 4 PG. 15

LOT 10 | LOT 11 | LOT 12 | LOT 13 | LOT 14 | LOT 15 | LOT 16 | LOT 17 | LOT 18

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

CURVE EX_115_18	
PI	44+71.91
PC	40+27.57
PT	49+15.01
Δ	7° 23' 45.0" (RT)
D	0° 50' 00.2"
L	887.44'
T	444.34'
R	6,875.00'

CURVE MEDORA_W1	
PI	10+49.28
PC	10+24.39
PT	10+72.65
Δ	34° 33' 43.2" (RT)
D	71° 37' 11.0"
L	48.26'
T	24.89'
R	80.00'

SCALE
0 20 40 60

PLAN LEGEND

- MILL & OVERLAY
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR
- PAVEMENT REMOVAL

ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
11 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
Jennifer Huber
01/25/2024 11:36:24 AM
Jennifer Huber - Civil
MO PE-2022000257

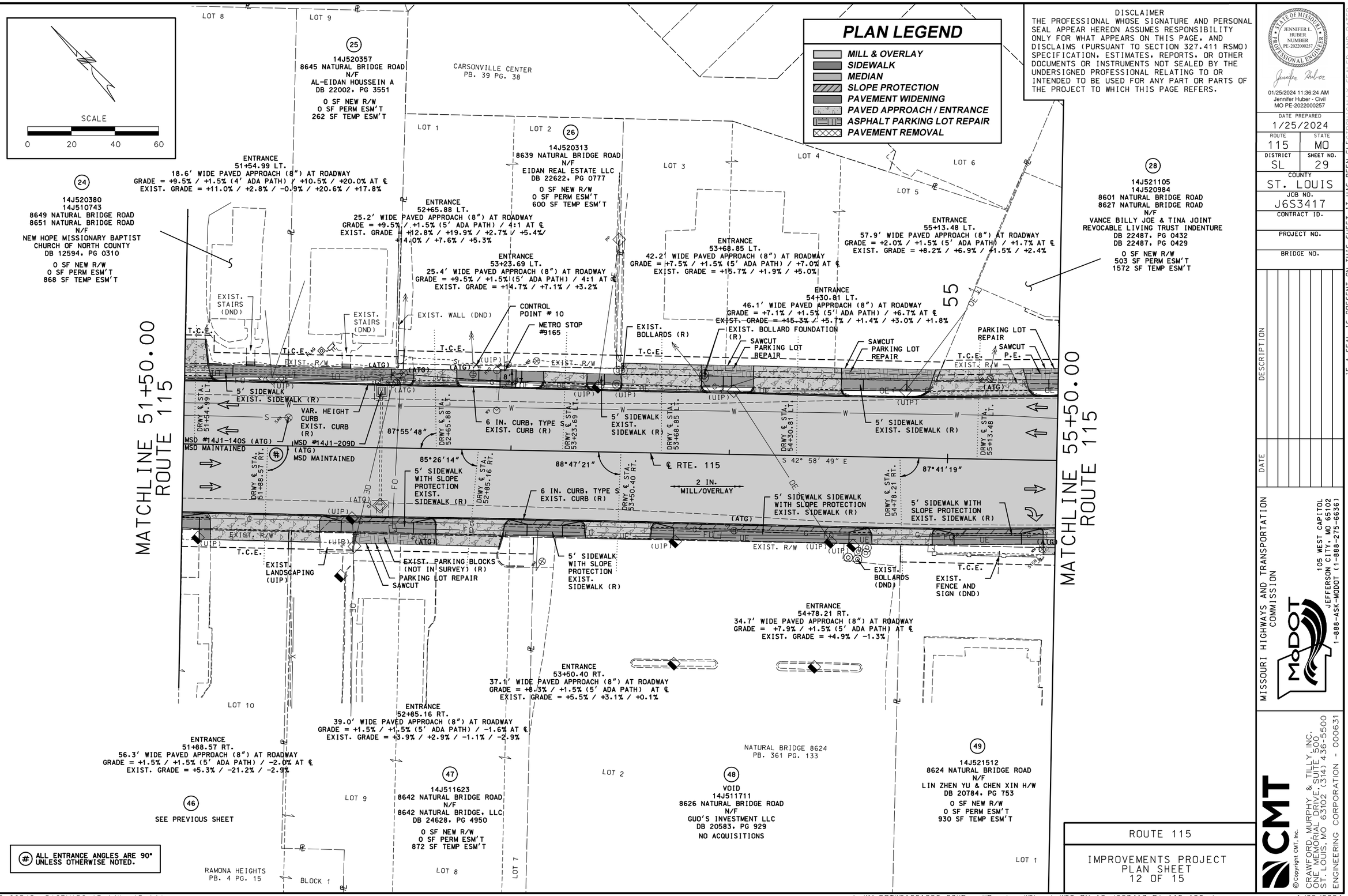
DATE PREPARED: 1/25/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 28
COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE | DESCRIPTION

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

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

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631



JENNIFER L. HUBER NUMBER PE-2022000257 STATE OF MISSOURI PROFESSIONAL ENGINEER

01/25/2024 11:36:24 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	29

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
12 OF 15

SCALE
0 20 40 60

PLAN LEGEND

- MILL & OVERLAY
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR
- PAVEMENT REMOVAL

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 · JENNIFER L. HUBER · NUMBER PE-2022000257 · PROFESSIONAL ENGINEER
01/25/2024 11:36:24 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 30
COUNTY ST. LOUIS
JOB NO. J6S3417
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)

© Copyright CMT, Inc.
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

MATCHLINE 55+50.00
ROUTE 115

ENTRANCE
55+68.93 LT.
41.4' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (5' ADA PATH) / -6.2% AT ℄
EXIST. GRADE = +6.8% / -7.3% / -12.2%

ENTRANCE
11+58.47 LT. (N HANLEY)
55.6' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (5' ADA PATH) / 3.6% AT ℄
EXIST. GRADE = +10.8% / -4.0% / -1.6%

S 3° 25' 12" W
PC STA 10+41.49
EXIST. R/W
FULL DEPTH PAVEMENT REPAIR ALONG HANLEY ROAD AS DIRECTED BY THE ENGINEER
6' SIDEWALK
EXIST. SIDEWALK (R)
P.E.
T.C.E.
(28) SEE/PREVIOUS SHEET
TYPE 1 PARALLEL CR&D
6' SIDEWALK
EXIST. SIDEWALK (R)
DRWY & STA. 11+48.11 LT. (N HANLEY)
COMPOUND PERPENDICULAR CR&D
CONTROL POINT #11
SAWCUT
EXIST. SIGN FOUNDATIONS (R)
PARKING LOT REPAIR
6 IN. CONCRETE MEDIAN
PT STA 12+28.56
2 IN. MILL/OVERLAY
DRWY & STA. 55+68.93 LT.
85°35'38"
DRWY & STA. 55+38.87 RT.
DRWY & STA. 56+26.72 RT.
℄ RTE. 115
S 42° 58' 49" E
STA. 57+08.57 RTE 115
STA. 12+38.28 N HANLEY
S 24° 08' 01" W
TYPE 1 PARALLEL CR&D
6 IN. CONCRETE MEDIAN
5' SIDEWALK WITH SLOPE PROTECTION
EXIST. SIDEWALK (R)
SAWCUT
EXIST. FENCE (DND)
PARKING LOT REPAIR
(49) SEE PREVIOUS SHEET
(50) 14J521491
3531 NORTH HANLEY ROAD
N/F
CITCHEN INVESTMENTS LLC
DB 17143, PG 1804
0 SF NEW R/W
63 SF PERM ESM'T
0 SF TEMP ESM'T
TYPE 1 PARALLEL CR&D
PC STA 13+00.59
PT STA 13+55.65
FULL DEPTH PAVEMENT REPAIR ALONG HANLEY ROAD AS DIRECTED BY THE ENGINEER
6' SIDEWALK
EXIST. SIDEWALK (R)
S 29° 40' 09" W
℄ N HANLEY RD
POT STA 14+07.76
(51) VOID
14J241078
8536 NATURAL BRIDGE ROAD
N/F
LANS INC
DB 12522, PG 1765
NO ACQUISITIONS
TYPE 1 PARALLEL CR&D
6' SIDEWALK
EXIST. SIDEWALK (R)
(29) 14J521194
3708 NORTH HANLEY ROAD
N/F
BRG NLD HANLEY LLC, A TEXAS LIMITED LIABILITY COMPANY
DB 17662, PG 3838
0 SF NEW R/W
540 SF PERM ESM'T
269 SF TEMP ESM'T
U.S.S. 2508
SEC 23
60
EXIST. R/W
END PROJECT STA. 59+22.22
END MILL/OVERLAY MATCH EXIST.

CURVE HANLEY1	
PI	11+36.06
PC	10+41.49
PT	12+28.56
Δ	20° 42' 55.8" (RT)
D	11° 04' 25.9"
L	187.07'
T	94.57'
R	517.40'

CURVE HANLEY2	
PI	13+28.14
PC	13+00.59
PT	13+55.65
Δ	5° 32' 02.2" (RT)
D	10° 03' 06.8"
L	55.05'
T	27.55'
R	570.00'

ENTRANCE
55+58.87 RT.
33.7' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (5' ADA PATH) / +3.4% AT ℄
EXIST. GRADE = +10.5% / +6.5% / -19.3% / +3.0% / -4.0%

ENTRANCE
56+26.72 RT.
18.5' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (5' ADA PATH) / +6.8% AT ℄
EXIST. GRADE = +2.1% / +18.7% / +10.6% / +3.3% / -3.9%

NATURAL BRIDGE 8624
PB. 361 PG. 133
LOT 1
LOT P
LOT H
LOT G
LOT F
LOT E
LOT D
COUNTRY CLUB ADDITION NO. 2
OF NORMANDY PARK
PB. 15 PG. 48
BLOCK 17
WEST LINE OF SECTION 23, T46N, R6E
EAST LINE OF SECTION 22, T46N, R6E

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
13 OF 15

SCALE
0 20 40 60

PLAN LEGEND

- MILL & OVERLAY
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR
- PAVEMENT REMOVAL

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.

POT STA 12+00.00

℄ SB I-170 EXIT RAMP

SB I-170 EXIT RAMP

15

SB I-170 ENTRANCE RAMP

PT STA 12+70.43

℄ BOLBECHER RD

S 29° 03′ 32″ W

2 IN.
MILL/OVERLAY

MATCHLINE 16+50.00
BOLBECHER RD

MATCHLINE
11+50.00
BOLBECHER RD
(SEE IMPROVEMENTS
PROJECT
PLAN SHEET 2)

CURVE EX_BOLBECHER1	
PI	11+91.20
PC	10+73.66
PT	12+70.43
Δ	78° 50′ 19.9″ (RT)
D	40° 04′ 01.1″
L	196.77′
T	117.54′
R	143.00′

ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
14 OF 15

JENNIFER L. HUBER
NUMBER
PE-2022000257
STATE OF MISSOURI
PROFESSIONAL ENGINEER

01/25/2024 11:36:25 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	31

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

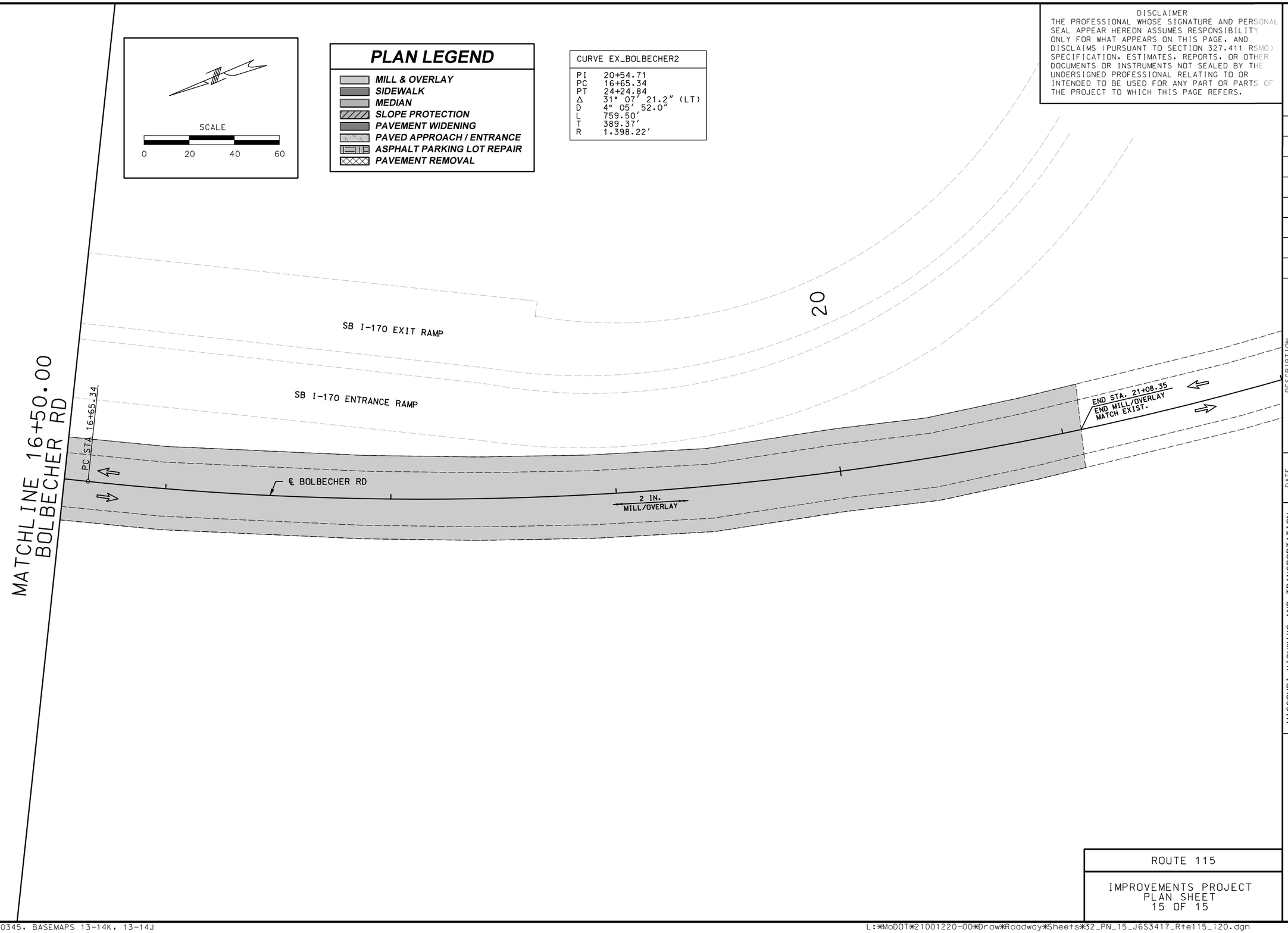
SCALE
0 20 40 60

PLAN LEGEND

- MILL & OVERLAY
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR
- PAVEMENT REMOVAL

CURVE EX_BOLBECHER2	
PI	20+54.71
PC	16+65.34
PT	24+24.84
Δ	31° 07′ 21.2″ (LT)
D	4° 05′ 52.0″
L	759.50′
T	389.37′
R	1,398.22′

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.



ROUTE 115

IMPROVEMENTS PROJECT
PLAN SHEET
15 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

01/25/2024 11:36:25 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	32

COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

RIGHT-OF-WAY LEGEND

- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SHADING LEGEND

- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

NOTE: CENTERLINE SHOWN IS A CONSTRUCTION CENTERLINE SPECIFIC TO THIS PROJECT & NOT THE ORIGINAL LEGACY CENTERLINE.

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.

CURVE EX_115_3	
PI	1+97.81
PC	1+59.17
PT	2+36.44
Δ	1° 12′ 49.1″ (RT)
D	1° 34′ 13.8″
L	77.28′
T	38.64′
R	3,648.25′

CURVE EX_BOLBECHER1	
PI	11+91.20
PC	10+73.66
PT	12+70.43
Δ	78° 50′ 19.9″ (RT)
D	40° 04′ 01.1″
L	196.77′
T	117.54′
R	143.00′

PT STA 2+36.44

STA. 3+51.15 RTE 115 = STA 10+00.00 ENGLER

℄ RTE 115

BEGIN PROJECT STA. 2+95.95

STA. 6+24.54 RTE 115 = STA 10+00.00 SB RAMP 170

S 45° 08′ 14″ E

MATCHLINE 7+50.00 ROUTE 115

EXIST. R/W

13K340735
8401 ENGLER PARK CT UNIT 4
FISCHER AND FRITCHTEL INC
N/F
FISCHER AND FRICHTEL INC BEVANS HAZEL
DB 02669, PG 0412
NO ACQUISITION

ENGLER PARK
PB. 53 PG. 40

EXIST. R/W

EXIST. R/W

EXIST. R/W

10

S 35° 48′ 06″ W

MISSOURI STATE HIGHWAY COMMISSION

S 29° 47′ 32″ W

℄ SB I-170 RAMPS

PC STA 10+73.66

℄ BOLBECHER RD

S 50° 03′ 19″ E

STA. 11+84.77 ENGLER = STA 10+00.00 BOLBECHER

℄ ENGLER AVE

EXIST. R/W

MATCHLINE 11+50.00 BOLBECHER RD (SEE SHEET 14)

ROUTE 115

RIGHT OF WAY SHEET 1 OF 15

23MSD-00345, BASEMAPS 13-14K, 13-14J

L:\MoDOT\21001220-00\Draw\Roadway\Sheets\33_RW_01_J6S3417_Rte115_i20.dgn

1/25/2024 11:41:53 AM

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:44:13 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	33

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

©Copyright CMT, Inc.

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE

0 20 40 60

RIGHT-OF-WAY LEGEND

- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SHADING LEGEND

- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

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.

MATCHLINE 7+50.00
ROUTE 115

MATCHLINE 12+50.00
ROUTE 115

77°09'02"

S 45° 08' 14" E

℄ RTE. 115

NB I-170

SB I-170

ROUTE 115

RIGHT OF WAY SHEET
2 OF 15

JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
STATE OF MISSOURI

01/25/2024 11:44:27 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	34

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

RIGHT-OF-WAY LEGEND
- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SHADING LEGEND
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
01/25/2024 11:44:27 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	35

COUNTY
ST. LOUIS
JOB NO.
J6S3417
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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

MATCHLINE 12+50.00
ROUTE 115

POT STA 12+00.00
℄ SPRINGDALE AVE

1 STA 14+16.40 74.98' LT
2 STA 14+16.39 84.97' LT
3 STA 14+16.38 95.17' LT
4 L = 28.64' S 0° 19' 59" E
5 L = 14.17' S 0° 19' 59" E
6 STA 14+26.44 74.99' LT
7 STA 14+36.70 74.99' LT
8 L = 10.20' N 44° 46' 43" E
9 L = 9.99' N 44° 46' 43" E
10 L = 10.04' S 45° 9' 47" E
11 L = 10.25' S 45° 9' 47" E

N 45° 26' 48" E

LOT A
QUIKTRIP CONSOLIDATION
PLAT #601
PB. 364 PG. 272

(1)
13J111732
9099 NATURAL BRIDGE ROAD
N/F
QUIK TRIP CORPORATION
DB 22220, PG 0084
0 SF NEW R/W
50 SF PERM ESM'T
155 SF TEMP ESM'T

ENTRANCE
16+19.91 LT.
65.7' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = -2.3% / -1.5% (5' ADA PATH) / -8.9% AT ℄
EXIST. GRADE = -2.4% / -6.6% / -9.0%

13J121971
9005 NATURAL BRIDGE ROAD
N/F
MOBAMA LLC
DB 20525, PG 2161
NO ACQUISITIONS

ENTRANCE
17+48.96 LT.
62.3' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +3.3% / +1.5% (5' ADA PATH) / +5.5% AT ℄
EXIST. GRADE = +7.4% / +4.2% / +2.9%

MATCHLINE 17+50.00
ROUTE 115

EXIST. R/W
EXIST. R/W
EXIST. R/W

STA. 13+67.38 RTE 115 =
STA 10+00.00 SPRINGDALE

STA. 13+91.62 RTE 115 =
STA 10+00.00 NB RAMP 170

℄ RTE 115

DRWY ℄ STA. 16+19.91 LT.

STA. 17+36.47 RTE 115 =
STA 10+00.00 MALINE

DRWY ℄ STA. 17+48.96 LT

S 45° 08' 14" E
S 29° 22' 45" W
S 43° 56' 14" W

℄ NB I-170 RAMPS

POT STA 11+00.00

MALINE AVE
17+36.47 RT.
75.9' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = -1.5% (6' ADA PATH) / -7.0% AT ℄
EXIST. GRADE = -4.0% / -2.8% / -5.7%

13J111714
9056 NATURAL BRIDGE ROAD
N/F
MEDVE GROUP INC.
DB 20217, PG 2469
NO ACQUISITIONS

13J110504
9060 NATURAL BRIDGE ROAD
N/F
UNION ELECTRIC COMPANY
NO DB OR PAGE LISTED
NO ACQUISITIONS

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

ROUTE 115

RIGHT OF WAY SHEET
3 OF 15

SCALE
0 20 40 60

RIGHT-OF-WAY LEGEND

- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SHADING LEGEND

- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- A2 SHOULDER
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

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.

CURVE EX_115_6	
PI	18+24.54
PC	17+73.45
PT	18+75.55
Δ	5° 51′ 00.0″ (LT)
D	5° 43′ 46.5″
L	102.10′
T	51.10′
R	1,000.00′

13J121971
9005 NATURAL BRIDGE ROAD
N/F
MOBAMA LLC
DB 20525, PG 2161
NO ACQUISITIONS

ENTRANCE
20+83.75 LT.
63.5′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = −0.1% / −0.1% (5′ ADA PATH) / −0.1% AT ℄
EXIST. GRADE = −0.1%

PART OF SECTION 22, T46N, R6E

13J121917
8905 NATURAL BRIDGE ROAD
N/F
EAST HORIZON LLC
DB 15760, PG 1865
NO ACQUISITIONS

MATCHLINE 17+50.00
ROUTE 115

MATCHLINE 22+50.00
ROUTE 115

EXIST. R/W

PC STA 17+73.45

PT STA 18+75.55

℄ RTE. 115

DRWY ℄ STA. 20+83.75 LT.

STA. 21+03.22 RTE 115 =
STA 10+00.00 SARGENT

85°25′38″

S 50° 53′ 48″ E

DRWY ℄ STA. 19+51.42 RT.

PC STA 10+56.09

PT STA 11+11.85

EXIST. R/W

ENTRANCE
19+51.42 RT.
93.4′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = −6.5% / −1.5% (5′ ADA PATH) AT ℄
EXIST. GRADE = −4.6% / −6.0%

℄ MALINE AVE

S 13° 17′ 03″ W

CURVE W_MALINE1	
PI	10+84.16
PC	10+56.09
PT	11+11.85
Δ	16° 05′ 42.3″ (LT)
D	28° 51′ 56.9″
L	55.76′
T	28.06′
R	198.49′

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

14J431994
9038 NATURAL BRIDGE ROAD
N/F
ALLIANCE PETROLEUM LLC
DB 22394, PG 1112
NO ACQUISITIONS

ADJUSTED LOT A

CONSOLIDATION PLAT
OF VILLAGE OF BEL-RIDGE
LOTS A, B, C, D, AND E
PB. 354 PG. 152

SARGENT AVE
21+03.22 RT.
74.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% / +1.5% (5′ ADA PATH) / +2.1% AT ℄
EXIST. GRADE = −0.7% / +2.5% / +3.2%

S 12° 47′ 59″ W

℄ SARGENT AVE

POT STA 11+72.12

SEE NEXT SHEET
FOR PROPERTY INFO

EXIST. R/W

ROUTE 115

RIGHT OF WAY SHEET
4 OF 15

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER
PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

03/06/2024 9:25:09 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	36

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

RIGHT-OF-WAY LEGEND

- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SEE PREVIOUS SHEET FOR PROPERTY INFO

SHADING LEGEND

- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- A2 SHOULDER
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

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 · JENNIFER L. HUBER · NUMBER PE-2022000257 · PROFESSIONAL ENGINEER
Jennifer Huber
03/06/2024 9:25:09 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 3/6/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	37

COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

MATCHLINE 22+50.00 ROUTE 115

ENTRANCE
23+16.75 LT.
42.0' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +8.8% / +1.5% (5' ADA PATH) / +8.2% AT ℄
EXIST. GRADE = +4.9% / -1.9% / +11.5% / +7.2% / +10.7% / -0.08%

ENTRANCE
25+74.15 LT.
63.0' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = -2.1% / -1.5% (5' ADA PATH) / -1.0% AT ℄
EXIST. GRADE = -1.5% / -1.2% / -5.0%

EXIST. R/W · EXIST. R/W · EXIST. R/W

DRWY ℄ STA. 23+16.75 LT.
DRWY ℄ STA. 25+74.15 LT.
℄ RTE. 115
94°59'29"
76°38'01"
S 50° 53' 48" E
87°19'22"
DRWY ℄ STA. 23+12.03 RT.
DRWY ℄ STA. 26+07.61 RT.
DRWY ℄ STA. 26+63.24 RT.
DRWY ℄ STA. 27+27.70 RT.

EXIST. R/W · EXIST. R/W · EXIST. R/W

ENTRANCE
23+12.03 RT.
65.0' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (5' ADA PATH) / +3.2% AT ℄
EXIST. GRADE = -1.7% / +1.4% / +6.3% / -14.3% / +7.9%

14J441498
8980 NATURAL BRIDGE ROAD
N/F
KB ST. LOUIS DIALYSIS PORTFOLIO DST
DB 22266, PG 1968
NO ACQUISITIONS

ADJUSTED LOT B

CONSOLIDATION PLAT OF VILLAGE OF BEL-RIDGE LOTS A, B, C, D, AND E
PB. 354 PG. 152
NO ACQUISITIONS

PART OF SECTION 22, T46N, R6E
NW 1/4 FRACTIONAL
SECTION 22, T46N, R6E

14J441502
8972 NATURAL BRIDGE ROAD
N/F
8900 NATURAL BRIDGE LLC
DB 16860, PG 0003
NO ACQUISITIONS

ADJUSTED LOT C

ENTRANCE
26+07.61 RT.
51.2' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (5' ADA PATH) / +6.3% AT ℄
EXIST. GRADE = -2.0% / +10.2% / +1.9% / +31.5% / +7.6%

14J440916
8958 NATURAL BRIDGE ROAD
N/F
MEMPHIS PASSIVE LLC
DB 24450, PG 0510
NO ACQUISITIONS

LOT 15

LOT 14

RAMONA HEIGHTS
PB. 4 PG. 15

ENTRANCE
26+63.24 RT.
45.9' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +0.5% / +0.5% (5' ADA PATH) / +0.5% AT ℄
EXIST. GRADE = -2.3% / -4.7% / +3.4% / +6.4%

14J440882
8954 NATURAL BRIDGE ROAD
N/F
MEMPHIS PASSIVE LLC
DB 24450, PG 0510
NO ACQUISITIONS

ENTRANCE
27+27.70 RT.
39.7' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (5' ADA PATH) / +8.8% AT ℄
EXIST. GRADE = +1.6% / +0.4% / +14.8%

14J440851
8950 NATURAL BRIDGE ROAD
N/F
MEMPHIS PASSIVE LLC
DB 24450, PG 0510
NO ACQUISITIONS

MATCHLINE 27+50.00 ROUTE 115

ROUTE 115

RIGHT OF WAY SHEET
5 OF 15

SCALE
0 20 40 60

RIGHT-OF-WAY LEGEND

- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SHADING LEGEND

- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- A2 SHOULDER
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

CURVE EX_115_9	
PI	28+82.65
PC	28+06.71
PT	29+58.58
Δ	0° 54′ 57.5″ (RT)
D	0° 36′ 11.2″
L	151.87′
T	75.94′
R	9,500.00′

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
03/06/2024 9:25:09 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 3/6/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 38
COUNTY ST. LOUIS
JOB NO. J6S3417
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SEE PLAN SHEET 5 FOR PROPERTY INFO

MATCHLINE 27+50.00 ROUTE 115

MATCHLINE 32+50.00 ROUTE 115

℄ RTE. 115

PC STA 28+06.71

PT STA 29+58.58

DRWY ℄ STA. 29+76.79 LT.

DRWY ℄ STA. 31+23.73 LT.

DRWY ℄ STA. 31+39.83 RT.

85°57′05″

S 49° 58′ 51″ E

EXIST. R/W

14J441124
8869 NATURAL BRIDGE ROAD
N/F
HOUSING AUTHORITY OF ST. LOUIS COUNTY
DB 07862, PG 0543
NO ACQUISITIONS

14J441135
8865 NATURAL BRIDGE ROAD
N/F
HOUSING AUTHORITY OF ST. LOUIS COUNTY
DB 07862, PG 0543
NO ACQUISITIONS

ENTRANCE
29+76.79 LT.
34.5′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.5% / +0.5% (5′ ADA PATH) / −7.5% AT ℄
EXIST. GRADE = −0.9% / −1.6% / −2.0%

ENTRANCE
31+23.73 LT.
42.0′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.5% / +0.5% (5′ ADA PATH) / −1.0% AT ℄
EXIST. GRADE = −0.1% / −0.9%

ENTRANCE
31+39.83 RT.
65.9′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% (6′ ADA PATH) / +4.8% AT ℄
EXIST. GRADE = −2.2% / +3.7% / +2.8% / +9.0% / +12.9%

STA 27+64.25
73.50′ RT
L = 32.79′
S 50° 57′ 36″ E

STA 27+97.04
73.46′ RT
L = 24.23′
S 50° 57′ 36″ E

L = 29.06′
S 39° 2′ 24″ W

STA 27+97.07
102.52′ RT

T.C.E.

STA 28+39.50
73.36′ RT
L = 17.98′
S 50° 57′ 36″ E

STA 28+21.39
73.42′ RT

L = 29.06′
N 39° 2′ 24″ E

STA 28+21.47
102.49′ RT

L = 24.23′
S 50° 57′ 36″ E

52
14J440833
8944 NATURAL BRIDGE ROAD
N/F
REDEEMER REALTY PLUS
DB 24331, PG 0130
0 SF NEW R/W
0 SF PERM ESM′T
704 SF TEMP ESM′T
LOT 11

14J440794
8940 NATURAL BRIDGE ROAD
N/F
REDEEMER REALTY PLUS
DB 24331, PG 0130
NO ACQUISITIONS
LOT 10

14J440750
8928 NATURAL BRIDGE ROAD
N/F
DAVID TREJO & BEATRIZ CONTRERAS, H/W
DB 22939, PG 0135
NO ACQUISITIONS
LOT 9

14J440772
8932 NATURAL BRIDGE ROAD
N/F
DAVID TREJO & BEATRIZ CONTRERAS, H/W
DB 22939, PG 0135
NO ACQUISITIONS
LOT 8

14J441511
8918 NATURAL BRIDGE ROAD
N/F
VILLAGE OF BEL-RIDGE
DB 17315, PG 4065
NO ACQUISITIONS
LOT 7

ADJUSTED LOT D

CONSOLIDATION PLAT
OF VILLAGE OF BEL-RIDGE
LOTS A, B, C, D, AND E
PB. 354 PG. 152

NE 1/4 FRACTIONAL SECTION 22, T46N, R6E

14J440631
8908 NATURAL BRIDGE ROAD
N/F
EASTERN MO CELLULAR TOWER HOLD
DB 16324, PG 1806
NO ACQUISITIONS

ROUTE 115

RIGHT OF WAY SHEET
6 OF 15

SCALE
0 20 40 60

RIGHT-OF-WAY LEGEND
- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SHADING LEGEND
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- A2 SHOULDER
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

CURVE EX_115_12	
PI	33+13.95
PC	33+01.26
PT	33+26.63
Δ	1° 27′ 14.2″ (RT)
D	5° 43′ 46.5″
L	25.38′
T	12.69′
R	1,000.00′

SEE PREVIOUS SHEET FOR PROPERTY INFO

CURVE EX_115_15	
PI	36+03.84
PC	35+35.15
PT	36+72.53
Δ	1° 22′ 12.0″ (LT)
D	0° 59′ 50.0″
L	137.38′
T	68.69′
R	5,745.56′

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

(2) SEE NEXT SHEET

MATCHLINE 32+50.00 ROUTE 115

MATCHLINE 37+50.00 ROUTE 115

14J530521
8835 NATURAL BRIDGE ROAD
N/F
NEILSON INC.
DB 21410, PG 3070
NO ACQUISITIONS

ENTRANCE
34+71.93 LT.
77.7′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = -2.0% / -1.5% (5′ ADA PATH) / -3.5% AT ℄
EXIST. GRADE = -1.9% / -1.1%

ENTRANCE
37+45.11 LT.
61.5′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.6% (6′ ADA PATH) / +0.6% AT ℄
EXIST. GRADE = +2.1% / +2.7% / +1.1%

ENTRANCE
36+30.34 LT.
65.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.5% / +0.5% (5′ ADA PATH) / -8.8% AT ℄
EXIST. GRADE = -3.9% / -1.4% / -3.2%

EXIST. R/W
PC STA 33+01.26
PT STA 33+26.63
STA. 33+39.66 RTE 115 = STA 10+00.00 LEEWARD
PC STA 35+35.15
℄ RTE. 115
DRWY ℄ STA. 34+71.93 LT.
DRWY ℄ STA. 36+30.34 LT.
PT STA 36+72.53
DRWY ℄ STA. 37+45.11 LT.
S 48° 31′ 37″ E
S 50° 22′ 34″ E
STA 33+66.94 44.08′ RT
L = 2.33′ N 39° 2′ 45″ E
L = 99.26′ S 50° 57′ 15″ E
STA 34+66.11 39.87′ RT
DRWY ℄ STA. 34+81.58 RT.
L = 93.34′ N 48° 15′ 38″ W
L = 57.56′ N 48° 15′ 38″ W
STA. 35+59.28 40.36′ RT
DRWY ℄ STA. 35+81.84 RT.
STA. 36+16.43 41.15′ RT
L = 26.58′ N 48° 15′ 38″ W
STA 36+42.82 41.71′ RT
DRWY ℄ STA. 36+61.76 RT.
L = 50.00′ S 50° 50′ 37″ E
STA. 37+15.70 40.79′ RT
S 39° 02′ 45″ W
L = 192.71′ N 48° 15′ 38″ W
STA. 33+67.04 46.40′ RT
T.C.E.
L = 7.00′ N 39° 2′ 45″ E
STA. 35+59.55 47.35′ RT
L = 57.56′ N 48° 15′ 38″ W
L = 7.00′ N 39° 2′ 45″ E
L = 73.45′ S 50° 50′ 37″ E
STA 36+16.63 48.15′ RT
L = 100.00′ S 50° 50′ 37″ E
L = 5.80′ N 39° 2′ 45″ E
STA. 37+15.76 46.58′ RT
L = 50.00′ S 50° 50′ 37″ E
LOT 20
LOT 19
LOT 18
LOT 24
LOT 22
LOT 23
LOT 21

LEEWARD AVE
33+39.66 RT.
61.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% (6′ ADA PATH) / +9.5% / +12.8% AT ℄
EXIST. GRADE = +3.4% / +11.2% / +13.4%

℄ LEEWARD AVE
POT STA 11+28.44

14J440604
8904 NATURAL BRIDGE ROAD
N/F
EASTERN MO CELLULAR TOWER HOLD
DB 16324, PG 1806
NO ACQUISITIONS

RAMONA HEIGHTS
PB. 4 PG. 15
LOT 2
LOT 1

ENTRANCE
34+81.58 RT.
35.0′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% / +1.5% (5′ ADA PATH) / +8.0% AT ℄
EXIST. GRADE = +2.9% / +8.7%

(31) 14J441531
8842 NATURAL BRIDGE ROAD
N/F
AMVETS POST 55 INC
DB 17398, PG 4211
0 SF NEW R/W
0 SF PERM ESM'T
1115 SF TEMP ESM'T

ENTRANCE
35+81.84 RT.
59.5′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +9.5% / +1.5% (5′ ADA PATH) / +12.9% AT ℄
EXIST. GRADE = +6.7% / +4.5% / +15.8%

(32) 14J441542
8832 NATURAL BRIDGE ROAD
N/F
F & S INVESTMENTS LLC
DB 17614, PG 0616
0 SF NEW R/W
0 SF PERM ESM'T
402 SF TEMP ESM'T

ENTRANCE
36+61.76 RT.
98.8′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +9.5% / +1.5% (5′ ADA PATH) / +9.3% AT ℄
EXIST. GRADE = +6.8% / +11.5% / +4.3% / +12.2% / +9.0%

(33) 14J440343
8828 NATURAL BRIDGE ROAD
N/F
F & S INVESTMENTS LLC
DB 13462, PG 1780
0 SF NEW R/W
0 SF PERM ESM'T
596 SF TEMP ESM'T

(34) 14J530246
8826 NATURAL BRIDGE ROAD
N/F
LILY OF THE VALLEY CORPORATION
DB 17857, PG 3452
0 SF NEW R/W
0 SF PERM ESM'T
290 SF TEMP ESM'T

ROUTE 115

RIGHT OF WAY SHEET
7 OF 15

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 · JENNIFER L. HUBER · NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

Jennifer Huber

03/06/2024 9:25:09 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 3/6/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 39
COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

SCALE
0 20 40 60

RIGHT-OF-WAY LEGEND
- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SHADING LEGEND
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

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.

CURVE EX_115_18	
PI	44+71.91
PC	40+27.57
PT	49+15.01
Δ	7° 23′ 45.0″ (RT)
D	0° 50′ 00.2″
L	887.44′
T	444.34′
R	6,875.00′

MATCHLINE 37+50.00 ROUTE 115

MATCHLINE 42+00.00 ROUTE 115

LADA AVE
40+40.89 LT.
64.8′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.5% (6′ ADA PATH) / −4.9% AT ℄
EXIST. GRADE = −3.9% / −2.2%

℄ LADA AVE

POT STA 11+44.85

℄ RTE. 115

PC STA 40+27.57

STA. 40+40.89 RTE 115 = STA 10+00.00 LADA

POT STA 12+60.41

℄ RAMONA AVE

N 89° 33′ 41″ W

LOT 1 LOT 2 LOT 3 LOT 11 LOT 12 LOT 13 LOT 25 LOT 26 LOT 27 LOT 28 BLOCK 2 BLOCK 4

RAMONA HEIGHTS PB. 4 PG. 15

EXIST. R/W

ENTRANCE
38+51.93 LT.
66.4′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% (6′ ADA PATH) / +1.3% AT ℄
EXIST. GRADE = +0.5% / +5.1% / +1.3%

(2) VOID
14J530598
8807 NATURAL BRIDGE ROAD
N/F
LYNNCO INC.
DB 8241, PG 1903
NO ACQUISITIONS

(3) 14J531391
8801 NATURAL BRIDGE ROAD
N/F
LINDBERG, JOHNSON & COFFEE ENTERPRISES LTD
DB 14807, PG 1696
0 SF NEW R/W
236 SF PERM ESM'T
432 SF TEMP ESM'T

ENTRANCE
39+05.70 LT.
40.4′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +2.0% / +1.5% (5′ ADA PATH) / +4.6% AT ℄
EXIST. GRADE = +2.1% / +5.6%

(4) VOID
14J531401
8765 NATURAL BRIDGE ROAD
N/F
TOPE INC
DB 17132, PG 3813
NO ACQUISITIONS

ENTRANCE
41+21.43 LT.
17.3′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.0% / +1.0% (5′ ADA PATH) / +1.2% AT ℄
EXIST. GRADE = +0.5% / +1.3% / +4.1% / 7.0%

(5) 14J530103
8761 NATURAL BRIDGE ROAD
N/F
TOPE PROPERTIES INC
DB 19641, PG 1294
0 SF NEW R/W
78 SF PERM ESM'T
263 SF TEMP ESM'T

(34) SEE PREVIOUS SHEET

ENTRANCE
37+60.53 RT.
34.5′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% (4′ ADA PATH) / +9.5% / +17.4% AT ℄
EXIST. GRADE = +16.3% / −14.8% / +2.0% / +18.6% / +13.5%

(35) 14J530213
8824 NATURAL BRIDGE ROAD
N/F
8824 ANNEX LLC
DB 17432, PG 2406
0 SF NEW R/W
0 SF PERM ESM'T
290 SF TEMP ESM'T

ENTRANCE
38+20.85 RT.
15.4′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% (4′ ADA PATH) / +11.5% AT ℄
EXIST. GRADE = +0.1% / −7.6% / +2.0% / +21.7%

(36) VOID
14J531511
8822 NATURAL BRIDGE ROAD
N/F
TOPE INC
DB 16310, PG 0023
NO ACQUISITIONS

ENTRANCE
39+18.08 RT.
49.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% / +1.5% (6′ ADA PATH) / +7.7% AT ℄
EXIST. GRADE = +13.5% / +2.0% / +4.0%

(37) 14J531544
8804 NATURAL BRIDGE ROAD
N/F
ALBERTA PROPERTIES 8804 LLC
DB 17188, PG 3092
0 SF NEW R/W
0 SF PERM ESM'T
1753 SF TEMP ESM'T

ENTRANCE
40+22.84 RT.
43.2′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% (6′ ADA PATH) / +5.7% AT ℄
EXIST. GRADE = +10.1% / +1.6% / +2.8% / +2.2%

(38) VOID
14J511359
8800 NATURAL BRIDGE ROAD
N/F
DEBRES ERNEST
DB 16877, PG 660
NO ACQUISITIONS

ENTRANCE
41+42.47 RT.
35.4′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.8 % / +0.8% (6′ ADA PATH) AT ℄
EXIST. GRADE = +2.3% / +2.3% / −0.1%

(39) 14J511294
8800 NATURAL BRIDGE ROAD
UNIT R
N/F
COOPERWOOD VENIETRICE
DB 16475, PG 2096
0 SF NEW R/W
360 SF PERM ESM'T
306 SF TEMP ESM'T

ENTRANCE
41+94.50 RT.
25.6′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +0.5% / +0.5% (5′ ADA PATH) / −7.9%. AT ℄
EXIST. GRADE = −1.2% / +2.6% / −10.6%

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

1	STA. 41+65.73 42.46′ LT	7	STA 41+92.46 39.72′ LT	12	STA 41+57.41 43.95′ RT	18	STA 37+65.70 40.38′ RT
2	L = 4.10′ N 39° 4′ 47″ E	8	STA 41+57.43 38.35′ RT	13	STA 41+87.56 42.51′ RT	19	L = 5.80′ N 39° 2′ 45″ E
3	STA 41+65.61 46.56′ LT	9	L = 4.10′ S 40° 56′ 37″ W	14	L = 3.55′ S 40° 56′ 37″ W	20	STA 37+65.76 46.18′ RT
4	L = 48.88′ S 49° 22′ 36″ E	10	STA 41+57.42 42.45′ RT	15	STA 41+87.56 38.96′ RT	21	STA 38+15.70 39.97′ RT
5	STA 41+92.44 42.64′ LT	11	L = 1.50′ N 40° 56′ 37″ E	19	L = 22.81′ S 48° 57′ 39″ E	22	L = 5.80′ N 39° 2′ 45″ E
6	L = 2.91′ N 40° 30′ 16″ E			17	L = 55.56′ S 49° 3′ 23″ E		

ROUTE 115

RIGHT OF WAY SHEET
8 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
01/25/2024 11:44:28 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 1/25/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 40
COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

SCALE
0 20 40 60

CURVE EX_115_18	
PI	44+71.91
PC	40+27.57
PT	49+15.01
Δ	7° 23′ 45.0″ (RT)
D	0° 50′ 00.2″
L	887.44′
T	444.34′
R	6,875.00′

RIGHT-OF-WAY LEGEND

- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

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 · JENNIFER L. HUBER · NUMBER PE-2022000257 · PROFESSIONAL ENGINEER
01/25/2024 11:44:28 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
1/25/2024	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 41
COUNTY ST. LOUIS	
JOB NO. J6S3417	
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

MATCHLINE 42+00.00
ROUTE 115

MATCHLINE 46+50.00
ROUTE 115

14J511304
8745 NATURAL BRIDGE ROAD
N/F
NORTH HANLEY LLC
DB 20275, PG 0854
NO ACQUISITIONS

SHIRLEY TERRACE
PB. 22, PG. 4

LOT 10 — (6) VOID 14J530060, 8755 NATURAL BRIDGE ROAD, N/F, TOPE PROPERTIES, DB 17229, PG 0634, NO ACQUISITIONS

LOT 9 — (7) VOID 14J530026, 8751 NATURAL BRIDGE ROAD, N/F, TOPE PROPERTIES LLC, DB 19641, PG 1297, NO ACQUISITIONS

LOT 8 — 14J511371, 8747 NATURAL BRIDGE ROAD, N/F, TOPE PROPERTIES LLC, DB 17488, PG 1841, NO ACQUISITIONS

LOT 7 — 14J511283, 8743 NATURAL BRIDGE ROAD, N/F, BIRCH PROPERTY LLC, DB 24702, PG 4871, NO ACQUISITIONS

LOT 6 — (9) 14J511250, 8741 NATURAL BRIDGE ROAD, N/F, ASHFORD BYOTHA L, DB 9467, PG 0622, 0 SF NEW R/W, 0 SF PERM ESM'T, 31 SF TEMP ESM'T

LOT 5 — (10) 14J511238, 8737 NATURAL BRIDGE ROAD, N/F, FXC, L.L.C., DB 11950, PG 2348, 0 SF NEW R/W, 0 SF PERM ESM'T, 40 SF TEMP ESM'T

LOT 4 — (11) 14J511216, 8733 NATURAL BRIDGE ROAD, N/F, PERNIK LEONID & IRINA IVM, DB 24020, PG 1869, 0 SF NEW R/W, 0 SF PERM ESM'T, 122 SF TEMP ESM'T

LOT 3 — (12) 14J511184, 8729 NATURAL BRIDGE ROAD, N/F, HARVEY HELEN, DB 12360, PG 1595, 0 SF NEW R/W, 0 SF PERM ESM'T, 116 SF TEMP ESM'T

LOT 2 — (13) VOID 14J511085, 8725 NATURAL BRIDGE ROAD, N/F, NGUYEN NAM ET AL, DB 19328, PG 0713, NO ACQUISITIONS

(5) SEE PREVIOUS SHEET

(14) SEE NEXT SHEET

ENTRANCE
42+15.11 LT.
24.9′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +3.4% / +1.5% (5′ ADA PATH) AT ℄
EXIST. GRADE = −0.6% / +2.0% / +13.7% / +7.4% / +2.2%

DRIVEWAY
43+08.28 LT.
17.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +8.5% / +1.5% (5′ ADA PATH) / +1.0% AT ℄
EXIST. GRADE = +3.6% / +6.2% / +9.4% / +1.8%

DRIVEWAY
43+52.77 LT.
17.3′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +3.0% / +1.5% (5′ ADA PATH) / +4.5% AT ℄
EXIST. GRADE = +1.2% / +4.8% / +3.4%

DRIVEWAY
43+92.16 LT.
18.2′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +6.0% / +1.5% (4′ ADA PATH) / +4.4% AT ℄
EXIST. GRADE = +4.9% / +3.7% / +7.8%

DRIVEWAY
44+26.30 LT.
19.6′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +5.5% / +1.5% (4′ ADA PATH) / +6.2% AT ℄
EXIST. GRADE = +7.8% / +4.9% / +3.3%

DRIVEWAY
44+77.48 LT.
18.2′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +9.0% / +1.5% (5′ ADA PATH) / +8.9% AT ℄
EXIST. GRADE = +8.7% / +1.4% / +13.5% / +3.1%

DRIVEWAY
45+27.76 LT.
18.4′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +8.5% / +1.5% (4′ ADA PATH) / +9.0% AT ℄
EXIST. GRADE = +13.0% / +2.6% / +13.5%

DRIVEWAY
45+66.79 LT.
19.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +9.1% / +1.5% (4′ ADA PATH) / +9.5% AT ℄
EXIST. GRADE = +7.6% / +14.5% / +1.1% / +14.7% / +11.1%

DRIVEWAY
46+07.01 LT.
18.0′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +9.5% / +1.5% (4′ ADA PATH) / +6.9% AT ℄
EXIST. GRADE = +6.8% / +9.9% / +5.6% / +2.7% / +20.3% / +17.1%

DRIVEWAY
46+48.42 LT.
18.6′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +9.5% / +1.5% (4′ ADA PATH) / +9.5% / +15.5% AT ℄
EXIST. GRADE = +6.3% / +5.2% / +22.4% / +12.0%

STA. 45+49.50
38.00′ LT

T.C.E. EXIST. R/W SL

STA 42+06.63
34.47′ RT
L = 5.91′
R = 29.69′
PC STA 10+20.54
STA 42+10.50
38.95′ RT
10

STA. 42+76.54 RTE 115 = STA 10+00.00 RAMONA
℄ RTE. 115
L = 194.69′
R = 6837.55′

84°59′00″ 85°30′51″ 86°40′49″ 87°25′46″ 83°55′01″ 78°55′20″

STA 45+23.51
38.00′ RT
L = 13.14′
N 84° 11′ 1″ E

L = 123.83′
R = 6837.55

P.E.
T.C.E.
L = 5.75′
R = 29.69′
STA 42+13.33
43.96′ RT

(39) SEE PREVIOUS SHEET

℄ RAMONA AVE
N 89° 33′ 41″ W
PT STA 10+75.86

STA 43+27.74
38.00′ RT
L = 15.05′
S 89° 33′ 41″ E
STA 43+16.42
48.00′ RT
L = 197.12′
R = 6827.55′

STA 45+14.93
48.00′ RT
L = 133.38′
R = 6827.55′

STA. 46+48.02
38.00′ RT
L = 10.07′
S 37° 54′ 2″ W
STA. 46+49.24
48.00′ RT

(40) 14J511667
8744 NATURAL BRIDGE ROAD
N/F
BR HOLDINGS LLC
DB 18088, PG 1233
0 SF NEW R/W
0 SF PERM ESM'T
1959 SF TEMP ESM'T

RAMONA AVE
42+76.54 RT.
99.6′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = −1.5% (5′ ADA PATH) / −6.6% AT ℄
EXIST. GRADE = −4.7% / −7.9% / −5.4%

RAMONA HEIGHTS
PB. 4 PG. 15
BLOCK 3
LOT 3
LOT 2

ENTRANCE
44+22.44 RT.
69.7′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +1.5% / +1.5% (5′ ADA PATH) / +1.5% AT ℄
EXIST. GRADE = +0.5% / +2.4% / +1.3% / +3.9% / +2.5%

RAMONA HEIGHTS
PB. 4 PG. 15

(41) 14J511678
8730 NATURAL BRIDGE ROAD
N/F
STEVEN R THOMPSON PROPERTIES
DB 22059, PG 103
0 SF NEW R/W
0 SF PERM ESM'T
1286 SF TEMP ESM'T

LOT 1

NE 1/4 FRACTIONAL SECTION 22, T46N, R6E
SE 1/4 FRACTIONAL SECTION 22, T46N, R6E
PARTITION OF SAMUEL CLER ESTATES
RAMONA HEIGHTS
PB. 4 PG. 15
SEC. 22-T46N-R6E

EQUATION:
℄ 11+44.39 BK =
℄ 11+40.03 AH

S 79° 37′ 12″ W
℄ MEDORA AVE

ENTRANCE
45+45.61 RT.
50.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +5.0% / +1.5% (5′ ADA PATH) / +7.2% AT ℄
EXIST. GRADE = +7.7% / −4.3% / +3.7%

ENTRANCE
46+26.86 RT.
46.1′ WIDE PAVED APPROACH (8″) AT ROADWAY
GRADE = +4.6% / +1.5% (5′ ADA PATH) / +2.5% AT ℄
EXIST. GRADE = +6.0% / −1.9%

(1) STA. 42+14.16, 46.86′ LT	(7) L = 10.00′, S 45° 12′ 13″ E	(13) L = 3.12′, N 43° 0′ 29″ E	(19) STA. 45+22.54, 41.47′ LT	(25) STA. 45+62.30, 40.97′ LT
(2) L = 7.00′, N 39° 4′ 47″ E	(8) STA. 44+72.86, 42.65′ LT	(14) STA. 44+85.45, 39.23′ LT	(20) L = 40.00′, S 45° 22′ 5″ E	(26) L = 40.00′, S 45° 38′ 13″ E
(3) STA. 42+14.42, 39.86′ LT	(9) L = 3.12′, S 44° 47′ 47″ W	(15) L = 10.00′, S 45° 12′ 13″ E	(21) L = 27.17′, S 45° 12′ 13″ E	(27) L = 40.00′, R = 6913.55
(4) STA. 44+62.84, 39.80′ LT	(10) STA. 44+72.78, 39.54′ LT	(16) L = 12.74′, S 45° 12′ 13″ E	(22) L = 12.83′, R = 6913.55	(28) STA. 46+02.05, 38.00′ LT
(5) L = 3.12′, S 44° 47′ 47″ W	(11) L = 12.65′, S 45° 12′ 13″ E	(17) STA. 45+22.49, 38.44′ LT	(23) STA. 45+62.26, 38.00′ LT	(29) L = 2.89′, N 44° 47′ 47″ E
(6) STA. 44+62.93, 42.92′ LT	(12) STA. 44+85.42, 42.34′ LT	(18) L = 3.03′, S 44° 47′ 47″ W	(24) L = 2.97′, S 44° 47′ 47″ W	(30) STA. 46+02.07, 40.89′ LT
				(31) STA. 46+43.06, 45.00′ LT
				(32) L = 7.00′, N 44° 58′ 20″ W
				(33) STA. 46+43.04, 38.00′ LT

SHADING LEGEND

- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

CURVE RAMONA1	
PI	10+50.00
PC	10+20.54
PT	10+75.86
Δ	48° 44′ 24.0″ (RT)
D	88° 06′ 06.3″
L	55.32′
T	29.46′
R	65.03′

ROUTE 115

RIGHT OF WAY SHEET
9 OF 15

SCALE
0 20 40 60

NE 1/4 FRACTIONAL SECTION 22, T46N, R6E

SE 1/4 FRACTIONAL SECTION 22, T46N, R6E

SHIRLEY TERRACE PB. 22, PG. 4

ROSEMONT ON THE SUBURBAN PB. 6 PG. 51

LOT 1 LOT 2 LOT 3 LOT 4 LOT 5 LOT 6 LOT 7

CURVE EX_115_18	
PI	44+71.91
PC	40+27.57
PT	49+15.01
Δ	7° 23′ 45.0″ (RT)
D	0° 50′ 00.2″
L	887.44′
T	444.34′
R	6,875.00′

(14) 14J511690 8717 NATURAL BRIDGE ROAD N/F L A ENTERPRISES LLC DB 17269, PG 1054 0 SF NEW R/W 0 SF PERM ESM'T 397 SF TEMP ESM'T

14J511689 8721 NATURAL BRIDGE ROAD N/F

(16) 14J511018 8715 NATURAL BRIDGE ROAD N/F WILLIAMS EDWARD & CAROLYN T/E DB 23328, PG 2381 0 SF NEW R/W 0 SF PERM ESM'T 184 SF TEMP ESM'T

(17) 14J510985 8711 NATURAL BRIDGE ROAD N/F JACKSON JAMELL RENIA H/W DB 14428, PG 2112 0 SF NEW R/W 0 SF PERM ESM'T 150 SF TEMP ESM'T

(18) 14J510921 8705 NATURAL BRIDGE ROAD N/F MACKIE PETER DB 21641, PG 0812 0 SF NEW R/W 0 SF PERM ESM'T 150 SF TEMP ESM'T

(19) 14J510876 8701 NATURAL BRIDGE ROAD N/F DUKES DEMETRIUS ETAL DB 22748, PG 1650 0 SF NEW R/W 0 SF PERM ESM'T 174 SF TEMP ESM'T

(20) 14J510853 8659 NATURAL BRIDGE ROAD N/F WILLIAMS THOMAS G MAUREEN A H/W DB 9154, PG 1833 50 SF NEW R/W 0 SF PERM ESM'T 223 SF TEMP ESM'T

(21) 14J510811 8657 NATURAL BRIDGE ROAD N/F WILLIAMS THOMAS G MAUREEN A H/W DB 9154, PG 1812 0 SF NEW R/W 50 SF PERM ESM'T 221 SF TEMP ESM'T

(22) 14J510787 8653 NATURAL BRIDGE ROAD N/F CHAD & CHRIS HOLDINGS LLC DB 24114, PG 3771 0 SF NEW R/W 50 SF PERM ESM'T 220 SF TEMP ESM'T

(24) SEE NEXT SHEET

DRIVEWAY 47+71.17 LT. 19.6′ WIDE PAVED APPROACH (8″) AT ROADWAY GRADE = +6.0% / +1.5% (5′ ADA PATH) / +4.4% AT ℄ EXIST. GRADE = +10.2% / +2.0% / +8.0%

DRIVEWAY 48+21.66 LT. 18.8′ WIDE PAVED APPROACH (8″) AT ROADWAY GRADE = +8.0% / +1.5% (5′ ADA PATH) / + 8.5% AT ℄ EXIST. GRADE = +6.0% / +0.2% / +24.5% / +15.4%

DRIVEWAY 47+28.51 LT. 21.6′ WIDE PAVED APPROACH (8″) AT ROADWAY GRADE = +6.0% / +1.5% (5′ ADA PATH) / +6.3% AT ℄ EXIST. GRADE = +8.8% / +20.2% / +2.2% / +3.0%

DRIVEWAY 48+73.01 LT. 21.8′ WIDE PAVED APPROACH (8″) AT ROADWAY GRADE = +8.0% / +1.5% (5′ ADA PATH) / 3:1 AT ℄ EXIST. GRADE = +8.4% / +3.8% / +36.1% / +16.7%

MEDORA AVE 49+31.25 LT. 38.6′ WIDE PAVED APPROACH (8″) AT ROADWAY GRADE = +1.5% / +1.5% (5′ ADA PATH) / +6.4% AT ℄ EXIST. GRADE = +1.1% / +9.0% / +7.0% / +3.3%

DRIVEWAY 49+97.33 LT. 29.2′ WIDE PAVED APPROACH (8″) AT ROADWAY GRADE = +9.5% / +1.5% (4′ ADA PATH) / +9.5% AT ℄ EXIST. GRADE = +2.2% / +22.1% / +17.7%

DRIVEWAY 50+57.02 LT. 18.5′ WIDE PAVED APPROACH (8″) AT ROADWAY GRADE = +9.5% / +1.5% (4′ ADA PATH) / +9.5% AT ℄ EXIST. GRADE = +7.6% / +3.5% / +22.2% / +17.8%

ENTRANCE 51+05.09 LT. 18.9′ WIDE PAVED APPROACH (8″) AT ROADWAY GRADE = +9.5% / +1.5% (4′ ADA PATH) / +10.5% / +20.4% AT ℄ EXIST. GRADE = +9.1% / +2.2% / +25.8% / +16.2% / +11.9%

POT STA 10+83.63

PT STA 10+72.65

PC STA 10+24.39

PT STA 49+15.01

℄ MEDORA AVE

℄ RTE. 115

STA. 46+79.64 RTE 115 = STA 10+00.00 MEDORA

STA. 49+31.25 RTE 115 = STA 10+00.00 MEDORA

MATCHLINE 46+50.00 ROUTE 115

MATCHLINE 51+50.00 ROUTE 115

CURVE MEDORA_W1	
PI	10+49.28
PC	10+24.39
PT	10+72.65
Δ	34° 33′ 43.2″ (RT)
D	71° 37′ 11.0″
L	48.26′
T	24.89′
R	80.00′

(42) 14J511571 8718 NATURAL BRIDGE ROAD N/F EVELD INVESTMENTS DB 15956, PG 502 0 SF NEW R/W 0 SF PERM ESM'T 1156 SF TEMP ESM'T

(43) 14J510721 8704 NATURAL BRIDGE ROAD N/F GILLARDI TIMOTHY P ANNE H/W DB 8592, PG 611 0 SF NEW R/W 0 SF PERM ESM'T 398 SF TEMP ESM'T

(44) 14J510701 8700 NATURAL BRIDGE ROAD N/F GAMMA THETA ALUMNI ASSOCIATION OF SIGMA TAU GAMMA DB 15558, PG 1862 0 SF NEW R/W 0 SF PERM ESM'T 399 SF TEMP ESM'T

(45) 14J511436 8660 NATURAL BRIDGE ROAD N/F GAMMA THETA OF SIGMA TAU GAMMA ET AL DB 6808, PG 0012 0 SF NEW R/W 19 SF PERM ESM'T 780 SF TEMP ESM'T

(46) 14J511513 8654 NATURAL BRIDGE ROAD N/F HZ PROPS LLC DB 21296, PG 396 0 SF NEW R/W 0 SF PERM ESM'T 1183 SF TEMP ESM'T

RAMONA HEIGHTS PB. 4 PG. 15

(1)	L = 12.96′ R = 6920.55′	(10)	L = 5.51′ N 47° 18′ 4″ E	(18)	STA. 49+97.30 38.59′ LT	(25)	STA. 50+47.30 37.39′ LT	(32)	L = 50.00′ S 42° 46′ 14″ E	(39)	STA. 50+97.38 54.19′ LT	(43)	STA. 51+16.32 42.31′ LT	(47)	L = 5.20′ N 47° 18′ 4″ E	(51)	L = 40.34′ S 42° 45′ 23″ E	(54)	STA. 50+40.62 40.58′ RT	(57)	L = 2.00′ S 47° 14′ 19″ W
(2)	STA. 46+55.94 45.00′ LT	(11)	L = 12.46′ N 47° 18′ 4″ E	(19)	STA. 49+97.30 37.59′ LT	(26)	L = 1.00′ S 47° 18′ 4″ W	(33)	STA. 50+97.30 37.19′ LT	(40)	L = 18.99′ N 42° 45′ 23″ W	(44)	L = 50.00′ N 42° 45′ 23″ W	(48)	STA. 51+47.32 42.20′ LT	(52)	STA. 50+40.64 38.58′ RT	(55)	L = 9.67′ N 42° 45′ 23″ W	(58)	STA. 50+50.30 38.62′ RT
(3)	L = 2.66′ N 44° 34′ 41″ E	(12)	L = 4.47′ N 47° 18′ 4″ E	(20)	L = 1.00′ S 47° 18′ 4″ W	(27)	STA. 50+47.30 38.39′ LT	(31)	L = 1.00′ N 47° 18′ 4″ E	(41)	STA. 51+16.37 54.12′ LT	(45)	L = 31.00′ N 42° 46′ 14″ W	(49)	L = 7.80′ S 47° 18′ 4″ W	(53)	L = 2.00′ S 47° 27′ 11″ W	(56)	STA. 50+50.29 40.62′ RT	(59)	L = 9.66′ S 42° 45′ 23″ E
(4)	STA. 46+55.95 42.34′ LT	(13)	L = 1.00′ N 47° 18′ 4″ E	(21)	STA. 49+97.32 43.02′ LT	(28)	L = 4.39′ S 47° 18′ 4″ W	(35)	STA. 50+97.30 38.19′ LT	(42)	L = 11.81′ N 47° 13′ 46″ E	(46)	STA. 51+47.30 37.00′ LT	(50)	STA. 51+47.36 50.00′ LT						
(5)	L = 44.29′ R = 6913.55′	(14)	STA. 49+47.30 37.78′ LT	(22)	L = 50.00′ S 42° 42′ 46″ E	(29)	STA. 50+47.32 42.78′ LT	(36)	L = 4.41′ S 47° 18′ 4″ W												
(6)	L = 31.31′ R = 6916.55′	(15)	L = 50.00′ S 42° 45′ 23″ E	(23)	L = 50.00′ S 42° 45′ 23″ E	(30)	L = 50.00′ S 42° 45′ 23″ E	(37)	STA. 50+97.32 42.60′ LT												
(7)	STA. 46+87.07 42.34′ LT	(16)	L = 50.00′ S 42° 45′ 23″ E	(24)	L = 50.00′ S 42° 45′ 23″ E	(31)	L = 50.00′ N 42° 45′ 23″ W	(38)	L = 11.59′ N 47° 18′ 4″ E												
(8)	L = 4.34′ S 44° 58′ 20″ E	(17)	L = 4.43′ N 47° 18′ 4″ E																		
(9)	STA. 46+87.08 38.00′ LT																				

SHADING LEGEND

- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

RIGHT-OF-WAY LEGEND

- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

ROUTE 115

RIGHT OF WAY SHEET 10 OF 15

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 JENNIFER L. HUBER NUMBER PE-2022000257 PROFESSIONAL ENGINEER

01/25/2024 11:44:28 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	42

COUNTY ST. LOUIS
JOB NO. J6S3417
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

MoDOT

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

CMT

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

SCALE
0 20 40 60

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
01/25/2024 11:44:28 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	43

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

MATCHLINE 51+50.00
ROUTE 115

MATCHLINE 55+50.00
ROUTE 115

LOT 8 LOT 9 LOT 1 LOT 2 LOT 3 LOT 4 LOT 5 LOT 6 LOT 10 LOT 9 LOT 8 LOT 7

EXIST. R/W

CARSONVILLE CENTER
PB. 39 PG. 38

(24)
14J520380
14J510743
8649 NATURAL BRIDGE ROAD
8651 NATURAL BRIDGE ROAD
N/F
NEW HOPE MISSIONARY BAPTIST CHURCH OF NORTH COUNTY
DB 12594, PG 0310
0 SF NEW R/W
0 SF PERM ESM'T
868 SF TEMP ESM'T

(25)
14J520357
8645 NATURAL BRIDGE ROAD
N/F
AL-EIDAN HOUSSEIN A
DB 22002, PG 3551
0 SF NEW R/W
0 SF PERM ESM'T
262 SF TEMP ESM'T

(26)
14J520313
8639 NATURAL BRIDGE ROAD
N/F
EIDAN REAL ESTATE LLC
DB 22622, PG 0777
0 SF NEW R/W
0 SF PERM ESM'T
600 SF TEMP ESM'T

(28)
14J521105
14J520984
8601 NATURAL BRIDGE ROAD
8627 NATURAL BRIDGE ROAD
N/F
VANCE BILLY JOE & TINA JOINT REVOCABLE LIVING TRUST INDENTURE
DB 22487, PG 0432
DB 22487, PG 0429
0 SF NEW R/W
503 SF TEMP ESM'T
1572 SF TEMP ESM'T

ENTRANCE
51+54.99 LT.
18.6' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +9.5% / +1.5% (4' ADA PATH) / +10.5% / +20.0% AT ℄
EXIST. GRADE = +11.0% / +2.8% / -0.9% / +20.6% / +17.8%

ENTRANCE
52+65.88 LT.
25.2' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +9.5% / +1.5% (5' ADA PATH) AT ℄
EXIST. GRADE = +12.8% / +19.9% / +2.7% / +5.4% / +14.0% / +7.6% / +5.3%

ENTRANCE
53+23.69 LT.
25.4' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +9.5% / +1.5% (5' ADA PATH) AT ℄
EXIST. GRADE = +14.7% / +7.1% / +3.2%

ENTRANCE
53+68.85 LT.
42.2' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +7.5% / +1.5% (5' ADA PATH) / +7.0% AT ℄
EXIST. GRADE = +15.7% / +1.9% / +5.0%

ENTRANCE
54+30.81 LT.
46.1' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +7.1% / +1.5% (5' ADA PATH) / +6.7% AT ℄
EXIST. GRADE = +15.3% / +5.7% / +1.4% / +3.0% / +1.8%

ENTRANCE
55+13.48 LT.
57.9' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +2.0% / +1.5% (5' ADA PATH) / +1.7% AT ℄
EXIST. GRADE = +8.2% / +6.9% / +1.5% / +2.4%

L = 15.88'
S 42° 45' 23" E
STA. 51+63.24
49.94' LT
L = 7.80'
S 47° 13' 46" W
STA. 51+63.22
42.14' LT
STA. 51+97.29
36.80' LT
T.C.E.
L = 5.21'
N 47° 18' 4" E
L = 50.00'
S 42° 45' 23" E
L = 34.11'
S 42° 46' 14" E
STA. 51+97.32
42.01' LT
L = 50.20'
S 42° 46' 14" E
STA. 52+47.56
44.61' LT
STA. 52+47.53
41.83' LT
STA. 52+47.48
36.61' LT
L = 50.19'
S 42° 45' 23" E
L = 2.78'
N 47° 36' 48" E
L = 3.22'
N 47° 36' 48" E
STA. 52+47.50
38.61' LT
L = 2.00'
N 47° 36' 48" E
T.C.E.
L = 100.00'
S 42° 51' 49" E
L = 100.0'
S 42° 51' 49" E
STA. 53+47.57
44.40' LT
L = 6.00'
N 47° 36' 48" E
STA. 53+47.50
38.40' LT
T.C.E.
L = 150.00'
S 42° 51' 49" E
L = 147.66'
S 42° 51' 49" E
STA. 54+97.56
44.10' LT
STA. 54+95.16
38.10' LT
L = 3.07'
S 68° 49' 29" W
STA. 54+97.89
44.91' LT
L = 0.87'
S 68° 49' 29" W
L = 6.46'
S 68° 49' 29" W
L = 103.86'
N 44° 34' 6" W
T.C.E.
P.T.E.
STA. 54+94.02
35.25' LT
L = 104.13'
S 44°59'43"E
L = 102.37'
N 42° 45' 12" W
L = 117.21'
S 42° 54' 3" E
(UIP)
T.C.E.
L = 117.22'
S 42° 50' 22" E
L = 7.87'
N 47° 14' 37" E

DRWY ℄ STA. 51+54.99 LT.
DRWY ℄ STA. 51+88.57 RT.
DRWY ℄ STA. 52+65.88 LT.
DRWY ℄ STA. 52+85.16 RT.
DRWY ℄ STA. 53+23.69 LT.
DRWY ℄ STA. 53+50.40 RT.
DRWY ℄ STA. 53+68.85 LT.
DRWY ℄ STA. 54+30.81 LT.
DRWY ℄ STA. 54+78.21 RT.
DRWY ℄ STA. 55+13.48 LT.

87°55'48"
85°26'14"
88°47'21"
87°41'19"
S 42° 58' 49" E
℄ RTE. 115

L = 148.75'
S 42° 45' 23" E
STA. 51+99.05
39.20' RT
L = 98.75'
S 42° 50' 22" E
STA. 51+99.02
47.06' RT
L = 7.86'
N 47° 14' 15" E
L = 112.11'
S 42° 45' 23" E
L = 112.12'
S 42° 50' 22" E
STA. 53+11.16
39.64' RT
STA. 53+11.14
47.34' RT
L = 7.69'
N 47° 11' 9" E
STA. 54+79.25
39.88' RT
STA. 54+79.22
47.75' RT
T.C.E.
L = 117.22'
S 42° 50' 22" E
L = 7.87'
N 47° 14' 37" E

ENTRANCE
51+88.57 RT.
56.3' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (5' ADA PATH) / -2.0% AT ℄
EXIST. GRADE = +5.3% / -21.2% / -2.9%

ENTRANCE
52+85.16 RT.
39.0' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / +1.5% (5' ADA PATH) / -1.6% AT ℄
EXIST. GRADE = +3.9% / +2.9% / -1.1% / -2.9%

ENTRANCE
53+50.40 RT.
37.1' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +8.3% / +1.5% (5' ADA PATH) AT ℄
EXIST. GRADE = +5.5% / +3.1% / +0.1%

ENTRANCE
54+78.21 RT.
34.7' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +7.9% / +1.5% (5' ADA PATH) AT ℄
EXIST. GRADE = +4.9% / -1.3%

(46)
SEE PREVIOUS SHEET

(47)
14J511623
8642 NATURAL BRIDGE ROAD
N/F
8642 NATURAL BRIDGE, LLC
DB 24628, PG 4950
0 SF NEW R/W
0 SF PERM ESM'T
872 SF TEMP ESM'T

(48)
VOID
14J511711
8626 NATURAL BRIDGE ROAD
N/F
GUO'S INVESTMENT LLC
DB 20583, PG 929
NO ACQUISITION

NATURAL BRIDGE 8624
PB. 361 PG. 133

(49)
14J521512
8624 NATURAL BRIDGE ROAD
N/F
LIN ZHEN YU & CHEN XIN H/W
DB 20784, PG 753
0 SF NEW R/W
0 SF PERM ESM'T
930 SF TEMP ESM'T

(#) ALL ENTRANCE ANGLES ARE 90° UNLESS OTHERWISE NOTED.

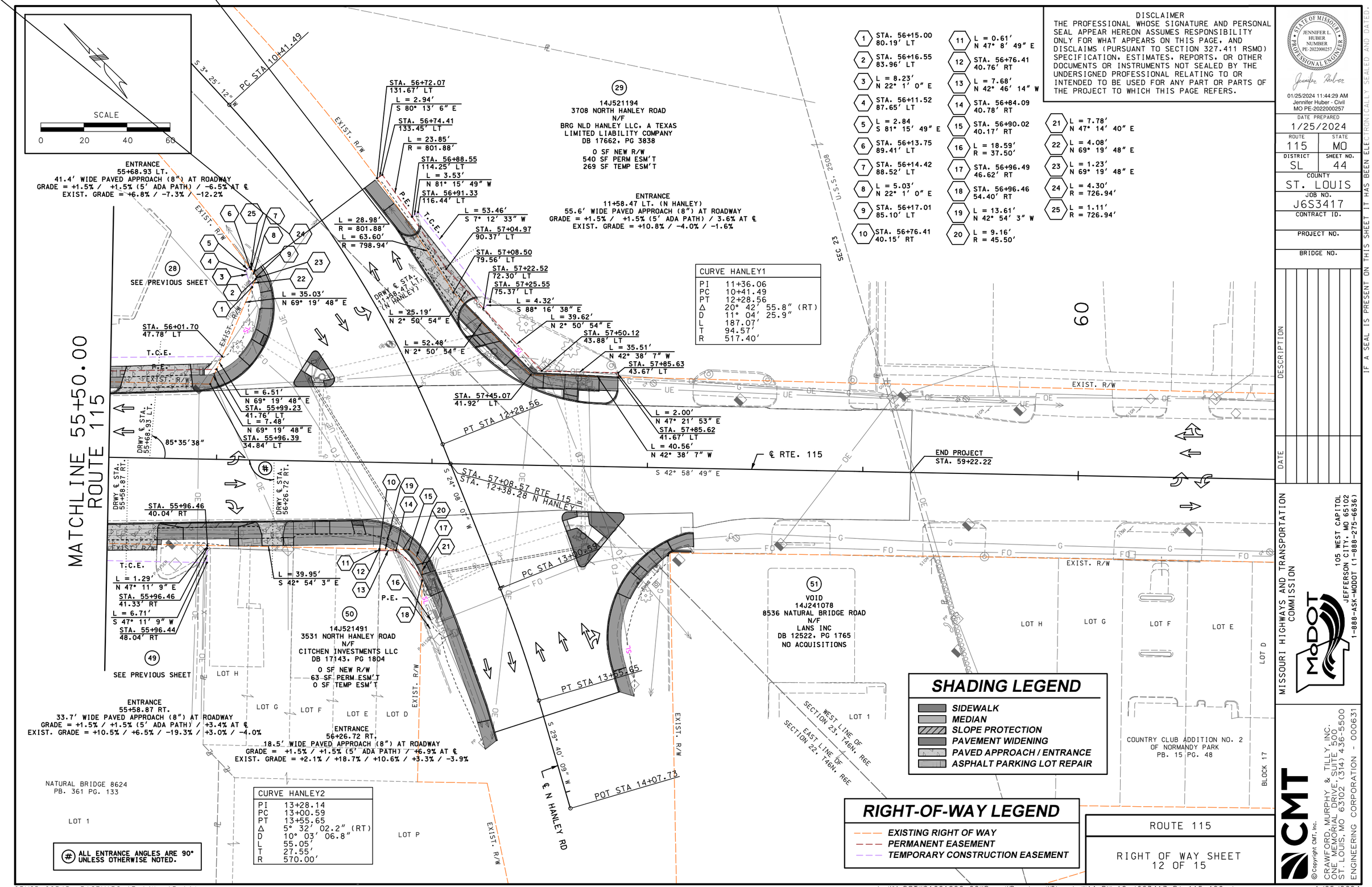
RAMONA HEIGHTS
PB. 4 PG. 15
BLOCK 1

RIGHT-OF-WAY LEGEND
- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SHADING LEGEND
- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

ROUTE 115

RIGHT OF WAY SHEET
11 OF 15



CURVE HANLEY1	
PI	11+36.06
PC	10+41.49
PT	12+28.56
Δ	20° 42' 55.8" (RT)
D	11° 04' 25.9"
L	187.07'
T	94.57'
R	517.40'

CURVE HANLEY2	
PI	13+28.14
PC	13+00.59
PT	13+55.65
Δ	5° 32' 02.2" (RT)
D	10° 03' 06.8"
L	55.05'
T	27.55'
R	570.00'

SHADING LEGEND

- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

RIGHT-OF-WAY LEGEND

- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:44:29 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	44

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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

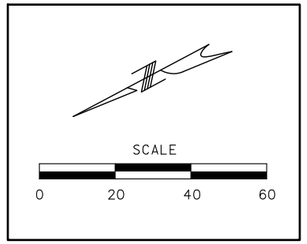
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

ROUTE 115

RIGHT OF WAY SHEET
12 OF 15



RIGHT-OF-WAY LEGEND

- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SHADING LEGEND

- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

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.

POT STA 12+00.00

℄ SB I-170 RAMPS

15

PT STA 12+70.43

℄ BOLBECHER RD

S 29° 03′ 32″ W

MATCHLINE 16+50.00
BOLBECHER RD

MATCHLINE
11+50.00
BOLBECHER RD
(SEE ROW SHEET 2)

CURVE EX_BOLBECHER1	
PI	11+91.20
PC	10+73.66
PT	12+70.43
Δ	78° 50′ 19.9″ (RT)
D	40° 04′ 01.1″
L	196.77′
T	117.54′
R	143.00′

ROUTE 115

RIGHT OF WAY SHEET
13 OF 15

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:44:29 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	45

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

©Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

RIGHT-OF-WAY LEGEND

- EXISTING RIGHT OF WAY
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SHADING LEGEND

- SIDEWALK
- MEDIAN
- SLOPE PROTECTION
- PAVEMENT WIDENING
- PAVED APPROACH / ENTRANCE
- ASPHALT PARKING LOT REPAIR

CURVE EX_BOLBECHER2	
PI	20+54.71
PC	16+65.34
PT	24+24.84
Δ	31° 07′ 21.2″ (LT)
D	4° 05′ 52.0″
L	759.50′
T	389.37′
R	1,398.22′

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.

SB I-170 RAMPS

20

MATCHLINE 16+50.00
BOLBECHER RD

℄ STA 16+65.34

℄ BOLBECHER RD

ROUTE 115

RIGHT OF WAY SHEET
14 OF 15

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:44:29 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	46

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115, MODOT JOB NO. J6S3417 RIGHT-OF-WAY LEVEL SUMMARY OF PROPERTY ACQUISITIONS

PARCEL NO.	LOCATOR	ADDRESS	OWNER	PROPERTY TYPE	DEEDBKPG	R/W (SF)	PERM. ESM'T	TCE (SF)	COMMENTS
1	13J111732	9099 NATURAL BRIDGE RD	QUIK TRIP CORPORATION	COMMERCIAL	22220-0084		50	155	
VOID -2	14J530598	8807 NATURAL BRIDGE RD	LYNNCO INC A MISSOURI CORPORATION	COMMERCIAL	08241-1903				
3	14J531391	8801 NATURAL BRIDGE RD	LINDBERG JOHNSON & COFFEE ENTERPRICES LLC	COMMERCIAL	14807-1696		236	432	
VOID - 4	14J531401	8765 NATURAL BRIDGE RD	TOPE INC	COMMERCIAL	17132-3813				
5	14J530103	8761 NATURAL BRIDGE RD	TOPE PROPERTIES LLC	COMMERCIAL	19641-1294		78	263	
VOID - 6	14J530060	8755 NATURAL BRIDGE RD	TOPE PROPERTIES LLC	RESIDENTIAL	17229-0634				
VOID - 7	14J530026	8751 NATURAL BRIDGE RD	TOPE PROPERTIES LLC	RESIDENTIAL	19641-1297				
9	14J511250	8741 NATURAL BRIDGE RD	ASHFORD BYOTHA L	RESIDENTIAL	09467-0622			31	
10	14J511238	8737 NATURAL BRIDGE RD	FXC LLC	RESIDENTIAL	11950-2348			40	
11	14J511216	8733 NATURAL BRIDGE RD	PERNIK LEONID & IRINA H/W	RESIDENTIAL	24020-1869			122	
12	14J511184	8729 NATURAL BRIDGE RD	HARVEY HELEN	RESIDENTIAL	12360-1595			116	
VOID - 13	14J511085	8725 NATURAL BRIDGE RD	NGUYEN NAM ETAL	RESIDENTIAL	19328-0713				
14	14J511690	8721 NATURAL BRIDGE RD	LA ENTERPRISE LLC	RESIDENTIAL	17269-1054			397	
	14J511689	8717 NATURAL BRIDGE RD							
15									COMBINED WITH PARCEL 14
16	14J511018	8715 NATURAL BRIDGE RD	WILLIAMS EDWARD & CAROLYN T/E	RESIDENTIAL	23328-2381			184	
17	14J510985	8711 NATURAL BRIDGE RD	JACKSON JAMELL RENIA H/W	RESIDENTIAL	14428-2112			150	
18	14J510921	8705 NATURAL BRIDGE RD	MACKIE PETER	RESIDENTIAL	21641-812			150	
19	14J510875	8701 NATURAL BRIDGE RD	DUKES DEMETRIUS ETAL	RESIDENTIAL	22748-1650		54	174	
20	14J510853	8659 NATURAL BRIDGE RD	WILLIAMS THOMAS G & MAUREEN A H/W	RESIDENTIAL	09154-1833		50	223	
21	14J510811	8657 NATURAL BRIDGE RD	WILLIAMS THOMAS G & MAUREEN A H/W	RESIDENTIAL	09154-1812		50	221	
22	14J510787	8653 NATURAL BRIDGE RD	CHAD & CHRIS HOLDINGS LLC	RESIDENTIAL	24114-3771		50	220	
23									COMBINED WITH PARCEL 24
24	14J510743	8651 NATURAL BRIDGE RD	NEW HOPE MISSIONARY BAPTIST CHURCH	COMMERCIAL	12594-0310			868	
	14J520380	8649 NATURAL BRIDGE RD							
25	14J520357	8645 NATURAL BRIDGE RD	AL-EIDAN HOUSSEIN A	RESIDENTIAL	22002-3551			262	
26	14J520313	8639 NATURAL BRIDGE RD	EIDAN REAL ESTATE LLC	COMMERCIAL	22622-777			600	
27									COMBINED WITH PARCEL 28
28	14J520984	8627 NATURAL BRIDGE RD	VANCE BILLY JOE & TINA JOINT REVOCABLE	COMMERCIAL	22487-429		503	1572	
	14J521105	8601 NATURAL BRIDGE RD			22487-432				
29	14J521194	3708 N HANLEY RD	BRG NLD HANLEY LLC, A TEXAS LIMITED LIABILITY COMPANY	COMMERCIAL	17662-3838		540	269	
31	14J441531	8842 NATURAL BRIDGE RD	AMVETS POST 55 INC	COMMERCIAL	17398-0421			1115	
32	14J441542	8832 NATURAL BRIDGE RD	F&S INVESTMENTS LLC	COMMERCIAL	17614-0616			402	
33	14J440343	8828 NATURAL BRIDGE RD	F&S INVESTMENTS LLC	COMMERCIAL	13462-1780			596	
34	14J530246	8826 NATURAL BRIDGE RD	LILY OF THE VALLET CORPORATION	COMMERCIAL	17857-3452			290	
35	14J530213	8824 NATURAL BRIDGE RD	8824 ANNEX LLC	COMMERCIAL	17432-2406			290	
VOID - 36	14J531511	8822 NATURAL BRIDGE RD	TOPE INC	COMMERCIAL	16310-0023				
37	14J531544	8804 NATURAL BRIDGE RD	ALBERTA PROPERTIES 8804 LLC	COMMERCIAL	17188-3092			1753	
VOID - 38	14J511359	8800 NATURAL BRIDGE RD	DEBRES ERNEST	RESIDENTIAL	16877-660				
39	14J511294	8800 NATURAL BRIDGE RD	COOPERWOOD VENIETRICE	RESIDENTIAL	16475-2096		360	306	
40	14J511667	8744 NATURAL BRIDGE RD	BR HOLDINGS LLC	COMMERCIAL	18088-1233			1959	
41	14J511678	8730 NATURAL BRIDGE RD	STEVEN R THOMPSON PROPERTIES	COMMERCIAL	22059-0103			1286	
42	14J511577	8718 NATURAL BRIDGE RD	EVELD INVESTMENTS	COMMERCIAL	15956-0502			1156	
43	14J510721	8704 NATURAL BRIDGE RD	GILLARDI TIMOTHY P ANNE H/W	RESIDENTIAL	08592-0611			398	
44	14J510701	8700 NATURAL BRIDGE RD	GAMMA THETA ALUMNI ASSOCIATION OF SIGMA TAU GAMMA	RESIDENTIAL	15558-1862			399	
45	14J511436	8660 NATURAL BRIDGE RD	GAMMA THETA OF SIGMA TAU GAMMA ET AL	RESIDENTIAL	06808-0012		19	780	
46	14J511513	8654 NATURAL BRIDGE RD	HZ PROPS LLC	COMMERCIAL	21296-0396			1183	
47	14J511623	8642 NATURAL BRIDGE RD	8642 NATURAL BRIDGE LLC	COMMERCIAL	24628-4950			872	
VOID - 48	14J511711	8626 NATURAL BRIDGE RD	GUO'S INVESTMENT LLC	COMMERCIAL	20583-0929				
49	14J521512	8624 NATURAL BRIDGE RD	ZIN ZHEN YU & CHEN XIN H/W	COMMERCIAL	20784-0753			930	
50	14J521491	3531 NORTH HANLEY RD	CITCHEN INVESTMENTS LLC	COMMERCIAL	17143-1804		63	0	
VOID - 51	14J241078	8536 NATURAL BRIDGE RD	LANS INC	COMMERCIAL	12522-1765				
52	14J4408333	8944 NATURAL BRIDGE RD	REDEEMER REALITY PLUS	COMMERCIAL	24331-0130			704	
					TOTALS	**0**	**2053**	**20868**	

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
JENNIFER L. HUBER NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:44:49 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	47

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

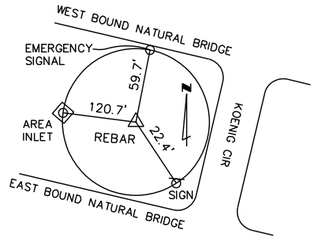
© Copyright CMT, Inc.
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

RIGHT OF WAY SHEET
15 OF 15

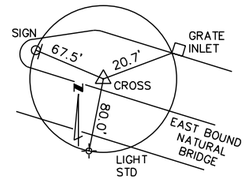
DISCLAIMER

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.



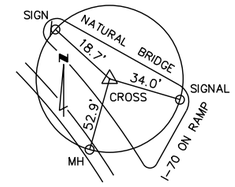
REFERENCE TIE

CONTROL POINT #1
APPROX. 545 FEET NORTH OF STA. 1+00.00
(BEFORE SHEET LIMITS)
N 1051959.896
E 867274.252
ELEV 578.28
REBAR WITH CAP IN GRASS; INTERSECTION OF KOENIG CIR AND EASTBOUND ROUTE 115, ON THE WEST SIDE OF KOENIG CIR.



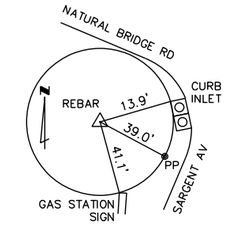
REFERENCE TIE

CONTROL POINT #2
STA. 4+84.47
OFF. 7.86' RT
N 1051314.170
E 867942.575
ELEV 543.05
CROSS ON CONCRETE ISLAND; APPROX 140 FEET SOUTHEAST OF THE INTERSECTION OF ENGLER AVENUE AND ROUTE 115, ON THE CENTER ISLAND OF ROUTE 115.



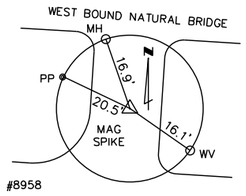
REFERENCE TIE

CONTROL POINT #3
STA. 13+02.39
OFF. 53.93 RT
N 1050704.547
E 868489.803
ELEV 546.82
CROSS ON CONCRETE ISLAND; INTERSECTION OF ON RAMP I-70 NORTHBOUND AND ROUTE 115, SOUTH SIDE OF ROUTE 115.



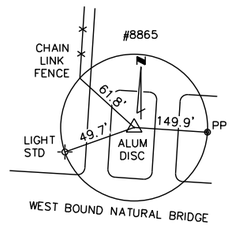
REFERENCE TIE

CONTROL POINT #4
STA. 20+79.92
OFF. 50.74' RT
N 1050173.972
E 869064.276
ELEV 574.58
REBAR WITH CAP IN GRASS; APPROX 40 FEET NORTHWEST OF THE INTERSECTION OF SARGENT AVENUE AND ROUTE 115, SOUTH SIDE OF ROUTE 115.



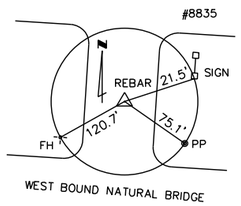
REFERENCE TIE

CONTROL POINT #5
STA. 26+72.42
OFF. 53.72' RT
N 1049797.977
E 869522.166
ELEV 594.10
MAG SPIKE IN ASPHALT; APPROX 550 FEET SOUTHEAST OF THE INTERSECTION OF SARGENT AVENUE AND ROUTE 115, SOUTH SIDE OF ROUTE 115.



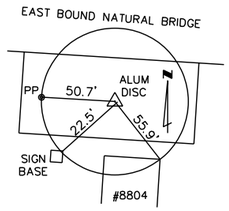
REFERENCE TIE

CONTROL POINT #6
STA. 29+97.62
OFF. 57.07' LT
N 1049676.846
E 869843.891
ELEV 604.09
ALIMINUM DISC IN GRASS; APPROX 330 FEET NORTHWEST OF THE INTERSECTION OF LEEWARD AVENUE AND ROUTE 115, NORTH SIDE OF ROUTE 115.



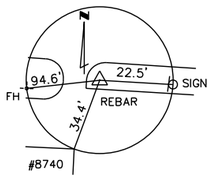
REFERENCE TIE

CONTROL POINT #7
STA. 35+01.40
OFF. 57.25' LT
N 1049348.464
E 870227.883
ELEV 610.85
REBAR WITH CAP IN GRASS; APPROX 160 FEET SOUTHEAST OF INTERSECTION OF LEEWARD AVENUE AND ROUTE 115, NORTH SIDE OF ROUTE 115.



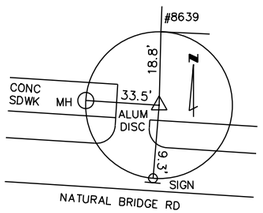
REFERENCE TIE

CONTROL POINT #8
STA. 39+96.11
OFF. 32.75' RT
N 1048961.907
E 870547.591
ELEV 624.53
ALIMINUM DISC IN GRASS; APPROX 40 FEET NORTHWEST OF THE INTERSECTION LADA AVENUE AND ROUTE 115, SOUTH SIDE OF ROUTE 115.



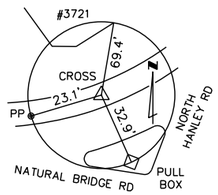
REFERENCE TIE

CONTROL POINT #9
STA. 44+62.64
OFF. 31.95' RT
N 1048655.895
E 870896.917
ELEV 624.61
REBAR WITH CAP IN GRASS; APPROX 170 FEET SOUTHEAST OF THE INTERSECTION OF RAMONA AVENUE AND ROUTE 115, SOUTH SIDE OF ROUTE 115.



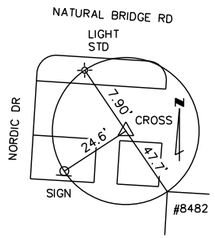
REFERENCE TIE

CONTROL POINT #10
STA. 52+83.47
OFF. 38.77' LT
N 1048115.483
E 871517.314
ELEV 650.79
ALIMINUM DISC IN BROKEN ASPHALT; APPROX 400 FEET NORTHWEST OF THE INTERSECTION OF NORTH HANLEY ROAD AND ROUTE 115, NORTH SIDE OF ROUTE 115.



REFERENCE TIE

CONTROL POINT #11
STA. 56+11.24
OFF. 45.55' LT
N 1047880.267
E 871745.914
ELEV 654.18
CROSS ON CONCRETE ISLAND; NORTHWEST CORNER OF THE INTERSECTION OF NORTH HANLEY ROAD AND ROUTE 115, NORTH SIDE OF ROUTE 115.



REFERENCE TIE

CONTROL POINT #12
STA. 63+03.20
(PAST SHEET LIMITS)
OFF. 30.83' RT
N 1047322.020
E 872161.797
ELEV 650.92
CROSS ON CONCRETE SIDEWALK; APPROX 45 FEET SOUTHEAST OF THE INTERSECTION NORDIC DRIVE AND ROUTE 115, SOUTH SIDE OF ROUTE 115.

ROUTE 115

REFERENCE POINTS
1 OF 1

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE 2022000257
PROFESSIONAL ENGINEER

01/25/2024 11:47:50 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	48

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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

MoDOT

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

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

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.

ROUTE 115 GEOMETRIC & COORDINATE POINTS

LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
WB RTE 115	0.00	1055661.28	863266.76	POT STA 389+11.89	1
WB RTE 115	0.00	1055605.99	863316.92	PC STA 389+86.55	2
WB RTE 115	4.40' RT	1055510.03	863403.99	PI STA 391+16.12	3
WB RTE 115	1906.50' LT	1056887.07	864728.86	CENTER OF CURVE STA 392+45.29	4
WB RTE 115	0.00	1055426.73	863503.24	PT STA 392+45.29	5
EB RTE 115	0.00	1055776.05	862825.28	POT STA 393+01.03	6
EB RTE 115	0.00	1055333.78	863482.84	PC STA 400+93.48	7
EB RTE 115	18.37' LT	1055146.16	863761.78	PI STA 404+35.94	8
EB RTE 115	3066.28' RT	1052789.46	861771.55	CENTER OF CURVE STA 400+93.48	9
EB RTE 115	0.00	1054893.54	864002.00	PT STA 407+75.58	10
WB RTE 115	0.00	1053377.25	865945.21	PC STA 424+33.33	11
EB RTE 115	0.00	1053570.91	865259.68	PC STA 426+00.72	12
EB RTE 115	13.38' RT	1053308.05	865509.64	PI STA 429+92.67	13
EB RTE 115	6047.79	1057768.78	869613.46	CENTER OF CURVE STA 425+58.77	14

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

PROJECT COORDINATE INFORMATION	
COORDINATE SYSTEM	STATEPLANE MO EAST FIPS 2401
HORIZONTAL DATUM	NAD 83 (2011) EPOCH 2010
VERTICAL DATUM	NAVD 88: GNSS DERIVED
GEOID MODEL	GEOID12B
ELEVATIONS DETERMINED BY	DIFFERENTIAL LEVELING
PROJECT PROJECTION FACTOR	1.0000878

REFERENCE CONTROL INFORMATION	
COORDINATE SYSTEM	STATEPLANE MO EAST FIPS 2401
CONTROL STATION	MODOT VRS
DESIGNATION	SEILER TREECOURT CORS ARP
CORS_ID	MOBF
PID	DN6075
LATITUDE	38°45' 51.51915" (N)
LONGITUDE	90°14' 47.69248" (W)
NORTHING (M)	325298.422
EASTING (M)	272023.946
ZONE	MISSOURI EAST 2401
PROJECT AVERAGE GRID FACTOR	0.99991221

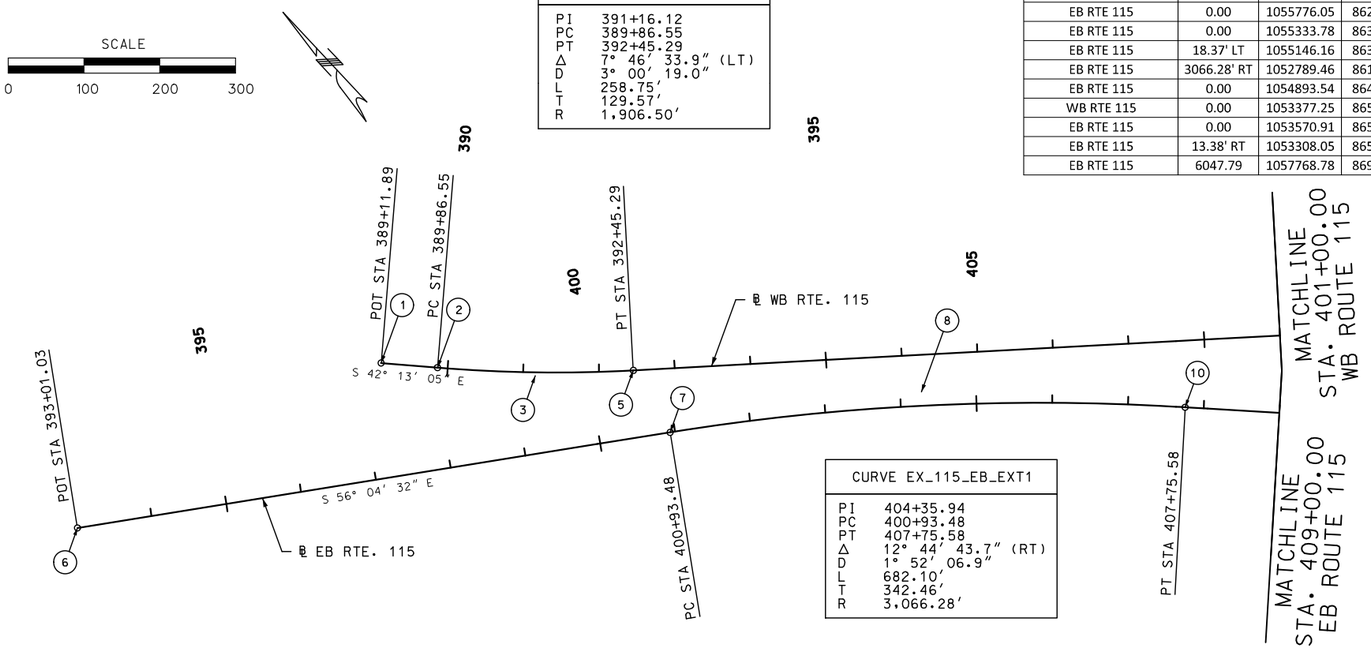
EXAMPLE OF PROJECT COORDINATE TO S.P.C.

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

EXAMPLE: CONTROL POINT #1
N 1051959.896 X 0.99991221 = N 1051867.544
E 867274.252 X 0.99991221 = E 867198.114

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

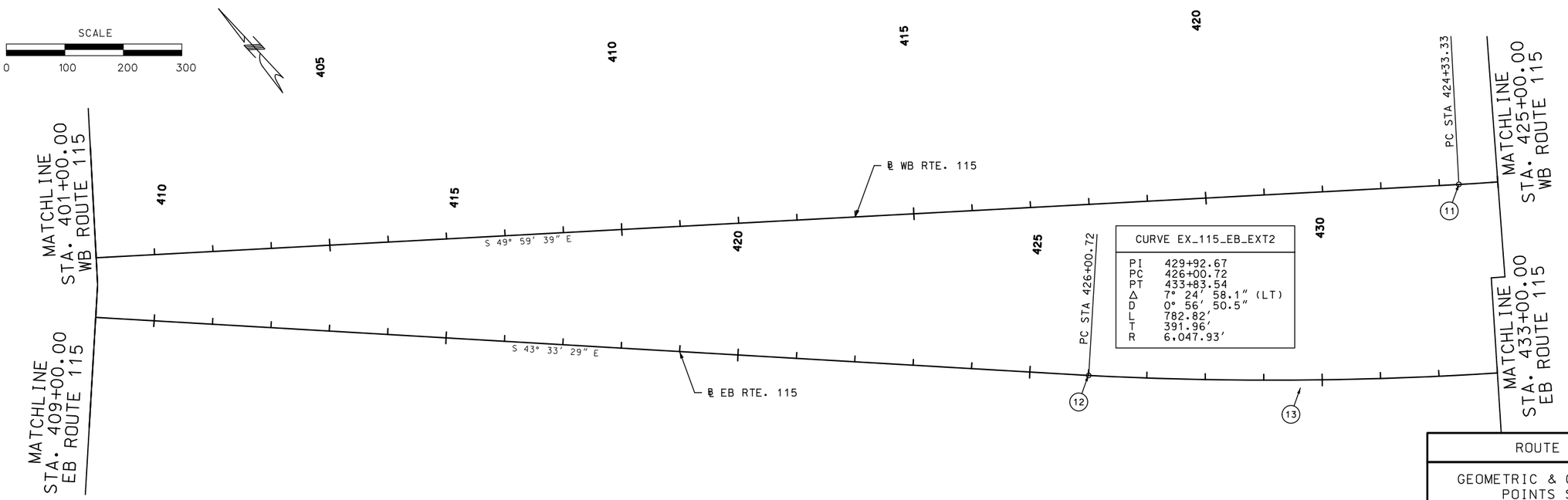


CURVE EX_115_WB_EXT1	
PI	391+16.12
PC	389+86.55
PT	392+45.29
Δ	7° 46' 33.9" (LT)
D	3° 00' 19.0"
L	258.75'
T	129.57'
R	1,906.50'

CURVE EX_115_EB_EXT1	
PI	404+35.94
PC	400+93.48
PT	407+75.58
Δ	12° 44' 43.7" (RT)
D	1° 52' 06.9"
L	682.10'
T	342.46'
R	3,066.28'

NOTES:

1. THE PROJECTION FACTOR IS USED AS A MULTIPLIER FROM STATE PLANE DISTANCES TO GROUND DISTANCES. THE FACTOR WAS APPLIED FROM COORDINATE 0, 0.
2. CENTERLINE SHOWN IS A CONSTRUCTION CENTERLINE SPECIFIC TO THIS PROJECT & NOT THE ORIGINAL LEGACY CENTERLINE UNLESS OTHERWISE NOTED.



CURVE EX_115_EB_EXT2	
PI	429+92.67
PC	426+00.72
PT	433+83.54
Δ	7° 24' 58.1" (LT)
D	0° 56' 50.5"
L	782.82'
T	391.96'
R	6,047.93'

ROUTE 115

GEOMETRIC & COORDINATE POINTS SHEET
SHEET 1 OF 6

JENNIFER L. HUBER NUMBER PE-2022000257 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
01/25/2024 11:53:48 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 1/25/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 49
COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

DESCRIPTION | DATE | REV.

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

SCALE

0 100 200 300

NOTES:

1. THE PROJECTION FACTOR IS USED AS A MULTIPLIER FROM STATE PLANE DISTANCES TO GROUND DISTANCES. THE FACTOR WAS APPLIED FROM COORDINATE 0, 0.

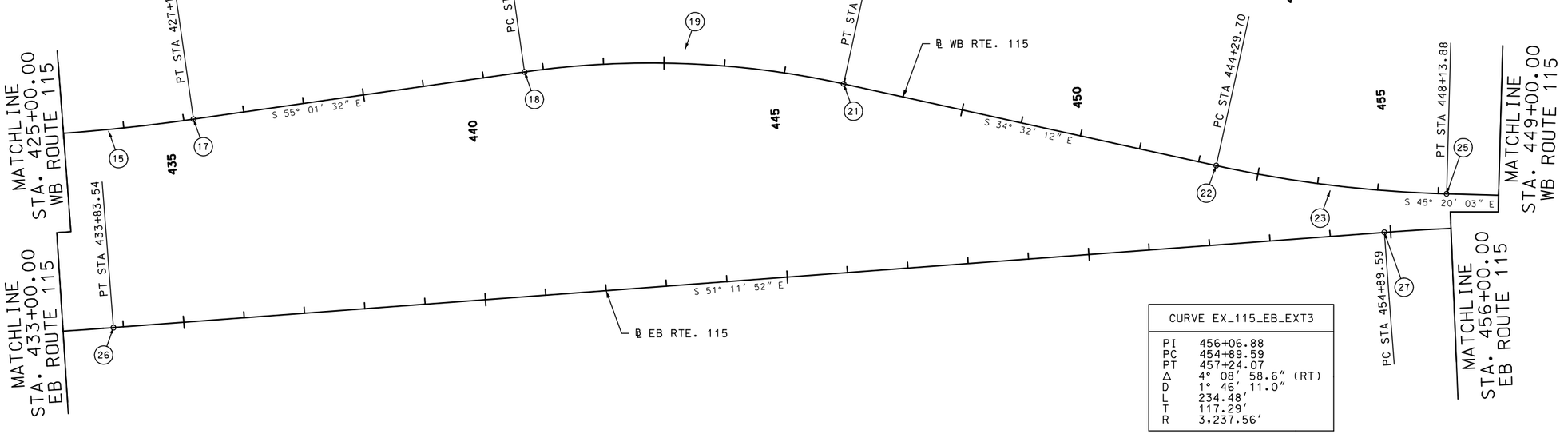
2. CENTERLINE SHOWN IS A CONSTRUCTION CENTERLINE SPECIFIC TO THIS PROJECT & NOT THE ORIGINAL LEGACY CENTERLINE UNLESS OTHERWISE NOTED.

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.

CURVE EX_115_WB_EXT2	
PI	425+74.83
PC	424+33.33
PT	427+16.15
Δ	5° 01′ 52.7″ (LT)
D	1° 46′ 44.5″
L	282.81′
T	141.50′
R	3,220.64′

CURVE EX_115_WB_EXT3	
PI	435+36.92
PC	432+68.86
PT	437+99.26
Δ	20° 29′ 19.8″ (RT)
D	3° 51′ 46.5″
L	530.40′
T	268.06′
R	1,483.23′

CURVE EX_115_WB_EXT4	
PI	446+22.36
PC	444+29.70
PT	448+13.88
Δ	10° 47′ 51.0″ (LT)
D	2° 48′ 38.0″
L	384.18′
T	192.66′
R	2,038.60′



CURVE EX_115_EB_EXT3	
PI	456+06.88
PC	454+89.59
PT	457+24.07
Δ	4° 08′ 58.6″ (RT)
D	1° 46′ 11.0″
L	234.48′
T	117.29′
R	3,237.56′

ROUTE 115 GEOMETRIC & COORDINATE POINTS

LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
WB RTE 115	3.11' RT	1053286.28	866053.59	PI STA 425+74.83	15
WB RTE 115	3220.64' LT	1055844.19	868015.65	CENTER OF CURVE STA 424+33.33	16
WB RTE 115	0.00	1053205.18	866169.54	PT STA 427+16.15	17
WB RTE 115	0.00	1052888.35	866622.44	PC STA 432+68.86	18
WB RTE 115	24.03' LT	1052734.70	866842.09	PI STA 435+36.92	19
WB RTE 115	1483.23' RT	1051672.98	865772.23	CENTER OF CURVE STA 437+99.26	20
WB RTE 115	0.00	1052513.88	866994.06	PT STA 437+99.26	21
WB RTE 115	0.00	1051994.54	867351.48	PC STA 444+29.70	22
WB RTE 115	9.08' RT	1051835.84	867460.70	PI STA 446+22.36	23
WB RTE 115	2038.60' LT	1053150.29	869030.80	CENTER OF CURVE STA 444+29.70	24
WB RTE 115	0.00	1051700.40	867597.73	PT STA 448+13.88	25
EB RTE 115	0.00	1053044.06	865837.94	PT STA 433+83.54	26
EB RTE 115	0.00	1051724.33	867479.22	PC STA 454+89.59	27

ROUTE 115

GEOMETRIC & COORDINATE POINTS SHEET
SHEET 2 OF 6

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:53:57 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	50

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE

0 100 200 300

CURVE EX_115_3	
PI	1+97.81
PC	1+59.17
PT	2+36.44
Δ	1° 12′ 49.1″ (RT)
D	1° 34′ 13.8″
L	77.28′
T	38.64′
R	3,648.25′

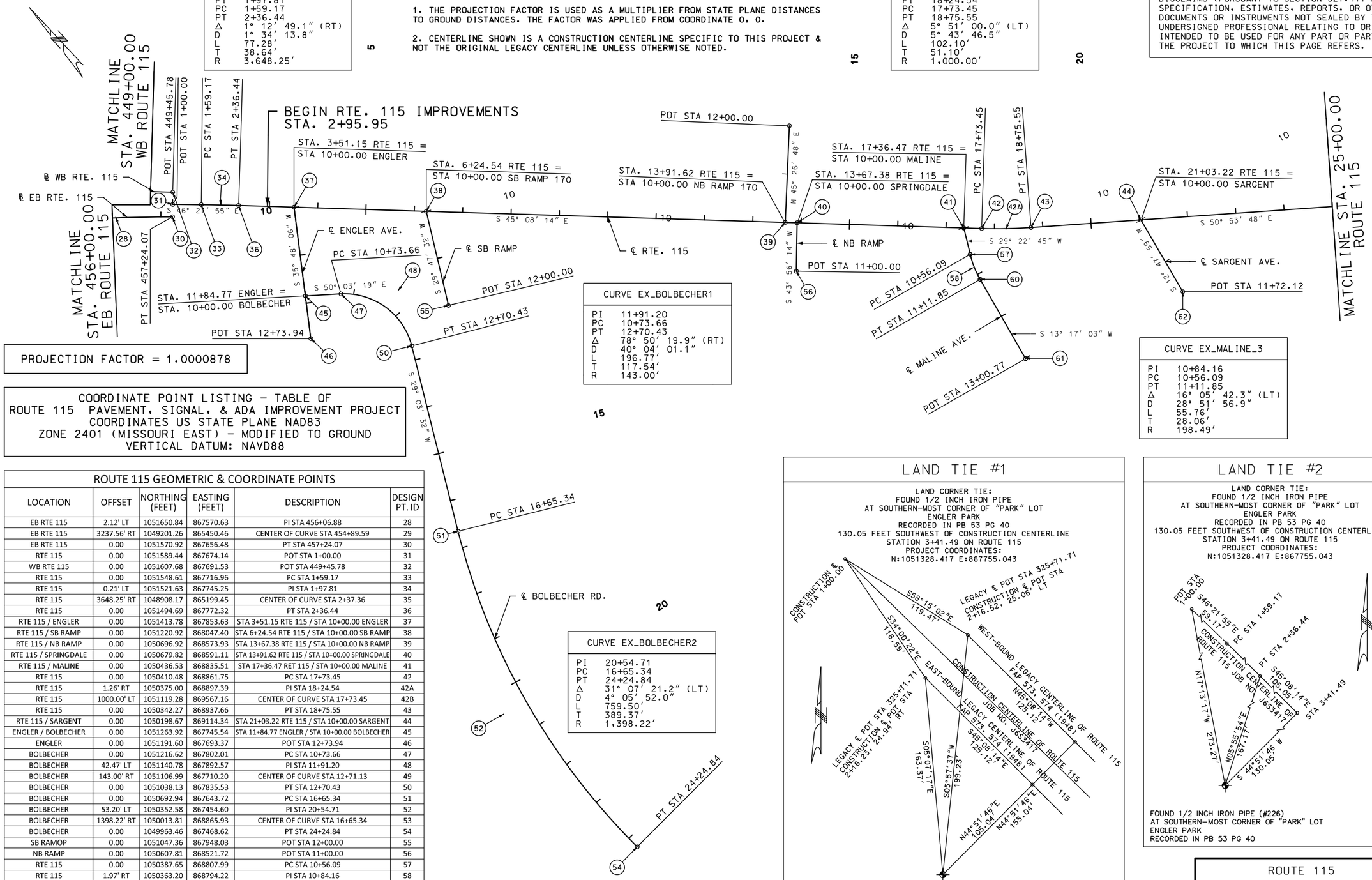
NOTES:

1. THE PROJECTION FACTOR IS USED AS A MULTIPLIER FROM STATE PLANE DISTANCES TO GROUND DISTANCES. THE FACTOR WAS APPLIED FROM COORDINATE 0, 0.

2. CENTERLINE SHOWN IS A CONSTRUCTION CENTERLINE SPECIFIC TO THIS PROJECT & NOT THE ORIGINAL LEGACY CENTERLINE UNLESS OTHERWISE NOTED.

CURVE EX_115_6	
PI	18+24.54
PC	17+73.45
PT	18+75.55
Δ	5° 51′ 00.0″ (LT)
D	5° 43′ 46.5″
L	102.10′
T	51.10′
R	1,000.00′

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.



CURVE EX_BOLBECHER1	
PI	11+91.20
PC	10+73.66
PT	12+70.43
Δ	78° 50′ 19.9″ (RT)
D	40° 04′ 01.1″
L	196.77′
T	117.54′
R	143.00′

CURVE EX_MALINE_3	
PI	10+84.16
PC	10+56.09
PT	11+11.85
Δ	16° 05′ 42.3″ (LT)
D	28° 51′ 56.9″
L	55.76′
T	28.06′
R	198.49′

CURVE EX_BOLBECHER2	
PI	20+54.71
PC	16+65.34
PT	24+24.84
Δ	31° 07′ 21.2″ (LT)
D	4° 05′ 52.0″
L	759.50′
T	389.37′
R	1,398.22′

PROJECTION FACTOR = 1.0000878

COORDINATE POINT LISTING – TABLE OF
ROUTE 115 PAVEMENT, SIGNAL, & ADA IMPROVEMENT PROJECT
COORDINATES US STATE PLANE NAD83
ZONE 2401 (MISSOURI EAST) – MODIFIED TO GROUND
VERTICAL DATUM: NAVD88

ROUTE 115 GEOMETRIC & COORDINATE POINTS

LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
EB RTE 115	2.12' LT	1051650.84	867570.63	PI STA 456+06.88	28
EB RTE 115	3237.56' RT	1049201.26	865450.46	CENTER OF CURVE STA 454+89.59	29
EB RTE 115	0.00	1051570.92	867656.48	PT STA 457+24.07	30
RTE 115	0.00	1051589.44	867674.14	POT STA 1+00.00	31
WB RTE 115	0.00	1051607.68	867691.53	POT STA 449+45.78	32
RTE 115	0.00	1051548.61	867716.96	PC STA 1+59.17	33
RTE 115	0.21' LT	1051521.63	867745.25	PI STA 1+97.81	34
RTE 115	3648.25' RT	1048908.17	865199.45	CENTER OF CURVE STA 2+37.36	35
RTE 115	0.00	1051494.69	867772.32	PT STA 2+36.44	36
RTE 115 / ENGLER	0.00	1051413.78	867853.63	STA 3+51.15 RTE 115 / STA 10+00.00 ENGLER	37
RTE 115 / SB RAMP	0.00	1051220.92	868047.40	STA 6+24.54 RTE 115 / STA 10+00.00 SB RAMP	38
RTE 115 / NB RAMP	0.00	1050696.92	868573.93	STA 13+67.38 RTE 115 / STA 10+00.00 NB RAMP	39
RTE 115 / SPRINGDALE	0.00	1050679.82	868591.11	STA 13+91.62 RTE 115 / STA 10+00.00 SPRINGDALE	40
RTE 115 / MALINE	0.00	1050436.53	868835.51	STA 17+36.47 RET 115 / STA 10+00.00 MALINE	41
RTE 115	0.00	1050410.48	868861.75	PC STA 17+73.45	42
RTE 115	1.26' RT	1050375.00	868897.39	PI STA 18+24.54	42A
RTE 115	1000.00' LT	1051119.28	869567.16	CENTER OF CURVE STA 17+73.45	42B
RTE 115	0.00	1050342.27	868937.66	PT STA 18+75.55	43
RTE 115 / SARGENT	0.00	1050198.67	869114.34	STA 21+03.22 RTE 115 / STA 10+00.00 SARGENT	44
ENGLER / BOLBECHER	0.00	1051263.92	867745.54	STA 11+84.77 ENGLER / STA 10+00.00 BOLBECHER	45
ENGLER	0.00	1051191.60	867693.37	POT STA 12+73.94	46
BOLBECHER	0.00	1051216.62	867802.01	PC STA 10+73.66	47
BOLBECHER	42.47' LT	1051140.78	867892.57	PI STA 11+91.20	48
BOLBECHER	143.00' RT	1051106.99	867710.20	CENTER OF CURVE STA 12+71.13	49
BOLBECHER	0.00	1051038.13	867835.53	PT STA 12+70.43	50
BOLBECHER	0.00	1050692.94	867643.72	PC STA 16+65.34	51
BOLBECHER	53.20' LT	1050352.58	867454.60	PI STA 20+54.71	52
BOLBECHER	1398.22' RT	1050013.81	868865.93	CENTER OF CURVE STA 16+65.34	53
BOLBECHER	0.00	1049963.46	867468.62	PT STA 24+24.84	54
SB RAMOP	0.00	1051047.36	867948.03	POT STA 12+00.00	55
NB RAMP	0.00	1050607.81	868521.72	POT STA 11+00.00	56
RTE 115	0.00	1050387.65	868807.99	PC STA 10+56.09	57
RTE 115	1.97' RT	1050363.20	868794.22	PI STA 10+84.16	58
RTE 115	198.49' LT	1050290.28	868980.95	CENTER OF CURVE STA 10+56.09	59
RTE 115	0.00	1050335.88	868787.77	PT STA 11+11.85	60
RTE 115	0.00	1050152.77	868744.54	POT STA 13+00.77	61
SARGENT	0.00	1050030.90	869076.22	POT STA 11+72.12	62

LAND TIE #1

LAND CORNER TIE:
FOUND 1/2 INCH IRON PIPE
AT SOUTHERN-MOST CORNER OF "PARK" LOT
ENGLER PARK
RECORDED IN PB 53 PG 40
130.05 FEET SOUTHWEST OF CONSTRUCTION CENTERLINE
STATION 3+41.49 ON ROUTE 115
PROJECT COORDINATES:
N:1051328.417 E:867755.043

FOUND 1/2 INCH IRON PIPE (#226)
AT SOUTHERN-MOST CORNER OF "PARK" LOT
ENGLER PARK
RECORDED IN PB 53 PG 40

LAND TIE #2

LAND CORNER TIE:
FOUND 1/2 INCH IRON PIPE
AT SOUTHERN-MOST CORNER OF "PARK" LOT
ENGLER PARK
RECORDED IN PB 53 PG 40
130.05 FEET SOUTHWEST OF CONSTRUCTION CENTERLINE
STATION 3+41.49 ON ROUTE 115
PROJECT COORDINATES:
N:1051328.417 E:867755.043

FOUND 1/2 INCH IRON PIPE (#226)
AT SOUTHERN-MOST CORNER OF "PARK" LOT
ENGLER PARK
RECORDED IN PB 53 PG 40

ROUTE 115

GEOMETRIC & COORDINATE POINTS SHEET
SHEET 3 OF 6

01/25/2024 11:53:57 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	51

COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE | REV.

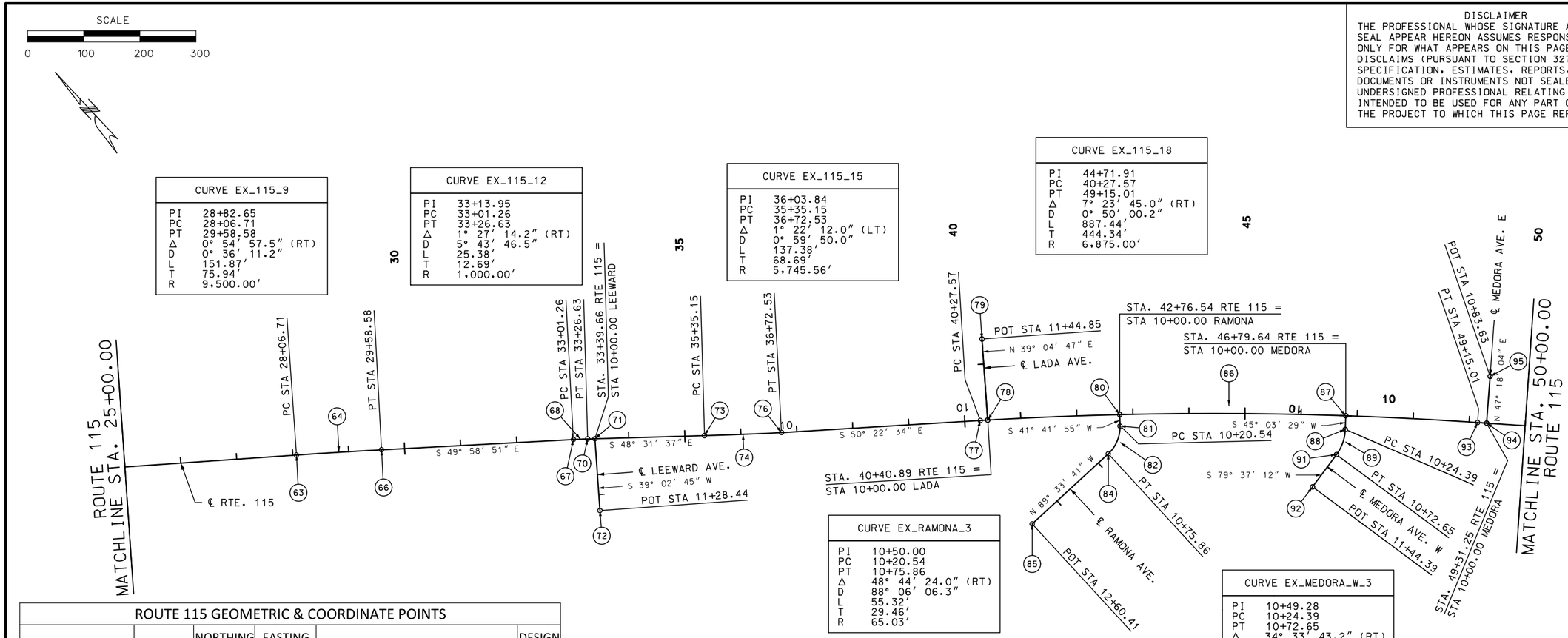
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.



CURVE EX_115_9	
PI	28+82.65
PC	28+06.71
PT	29+58.58
Δ	0° 54′ 57.5″ (RT)
D	0° 36′ 11.2″
L	151.87′
T	75.94′
R	9,500.00′

CURVE EX_115_12	
PI	33+13.95
PC	33+01.26
PT	33+26.63
Δ	1° 27′ 14.2″ (RT)
D	5° 43′ 46.5″
L	25.38′
T	12.69′
R	1,000.00′

CURVE EX_115_15	
PI	36+03.84
PC	35+35.15
PT	36+72.53
Δ	1° 22′ 12.0″ (LT)
D	0° 59′ 50.0″
L	137.38′
T	68.69′
R	5,745.56′

CURVE EX_115_18	
PI	44+71.91
PC	40+27.57
PT	49+15.01
Δ	7° 23′ 45.0″ (RT)
D	0° 50′ 00.2″
L	887.44′
T	444.34′
R	6,875.00′

CURVE EX_RAMONA_3	
PI	10+50.00
PC	10+20.54
PT	10+75.86
Δ	48° 44′ 24.0″ (RT)
D	88° 06′ 06.3″
L	55.32′
T	29.46′
R	65.03′

CURVE EX_MEDORA_W_3	
PI	10+49.28
PC	10+24.39
PT	10+72.65
Δ	34° 33′ 43.2″ (RT)
D	71° 37′ 11.0″
L	48.26′
T	24.89′
R	80.00′

ROUTE 115 GEOMETRIC & COORDINATE POINTS

LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
RTE 115	0.00	1049754.97	869660.25	PC STA 28+06.71	63
RTE 115	0.30' LT	1049707.07	869719.18	PI STA 28+82.65	64
RTE 115	9500.00' RT	1042382.87	863668.42	CENTER OF CURVE STA 29+58.58	65
RTE 115	0.00	1049658.24	869777.34	PT STA 29+58.58	66
RTE 115	0.00	1049437.89	870039.77	PC STA 33+01.26	67
RTE 115	0.08' LT	1049429.73	870049.49	PI STA 33+13.95	68
RTE 115	1000.00' RT	1048672.06	869396.72	CENTER OF CURVE STA 33+01.26	69
RTE 115	0.00	1049421.32	870058.99	PT STA 33+26.63	70
RTE 115 / LEEWARD	0.00	1049412.70	870068.75	STA 33+39.66 RTE 115 / STA 10+00.00 LEEWARD	71
LEEWARD	0.00	1049412.70	870068.75	POT STA 11+28.44	72
RTE 115	0.00	1049283.23	870215.23	PC STA 35+35.15	73
RTE 115	0.41' RT	1049237.74	870266.70	PI STA 36+03.84	74
RTE 115	5745.36' LT	1053588.18	874020.33	CENTER OF CURVE STA 37+20.60	75
RTE 115	0.00	1049193.49	870319.24	PT STA 36+72.53	76
RTE 115	0.00	1048967.06	870592.71	PC STA 40+27.57	77
RTE 115 / LADA	0.00	1048958.56	870602.96	STA 40+40.89 RTE 115 / STA 10+00.00 LADA	78
LADA	0.00	1049071.00	870694.27	POT STA 11+44.85	79
RTE 115 / RAMONA	0.00	1048804.84	870781.56	STA 42+76.54 RTE 115 / STA 10+00.00 RAMONA	80
RAMONA	0.00	1048789.51	870767.90	PC STA 10+20.54	81
RAMONA	6.36' LT	1048767.51	870748.30	PI STA10+50.00	82
RAMONA	60.04' LT	1048832.77	870719.34	CENTER OF CURVE STA 10+20.54	83
RAMONA	0.00	1048767.74	870718.84	PT STA 10+75.86	84
RAMONA	0.00	1048769.15	870534.31	POT STA 12+60.41	85
RTE 115	14.34' LT	1048683.69	870934.96	PI STA 44+71.91	86
RTE 115 / MEDORA W	0.00	1048528.03	871074.51	STA 46+79.64 RTE 115 / STA 10+00.00 MEDORA W	87
MEDORA W	0.00	1048510.80	871057.24	PC STA 10+24.39	88
MEDORA W	4.67' LT	1048493.74	871042.43	PI STA 10+49.28	89
MEDORA W	80.00' RT	1048567.43	871000.73	CENTER OF CURVE STA 10+24.39	90
MEDORA W	0.00	1048488.74	871015.15	PT STA 10+72.65	91
MEDORA W	0.00	1048475.81	870944.57	POT STA 11+44.39	92
RTE 115	0.00	1048358.62	871237.89	PT STA 49+15.01	93
RTE 115 / MEDORA E	0.00	1048346.73	871248.96	STA 49+31.25 RTE 115 / STA 10+00.00 MEDORA E	94
MEDORA E	0.00	1048403.45	871310.42	POT STA 10+83.63	95

NOTES:

1. THE PROJECTION FACTOR IS USED AS A MULTIPLIER FROM STATE PLANE DISTANCES TO GROUND DISTANCES. THE FACTOR WAS APPLIED FROM COORDINATE 0, 0.
2. CENTERLINE SHOWN IS A CONSTRUCTION CENTERLINE SPECIFIC TO THIS PROJECT & NOT THE ORIGINAL LEGACY CENTERLINE UNLESS OTHERWISE NOTED.

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:53:57 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	52

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT

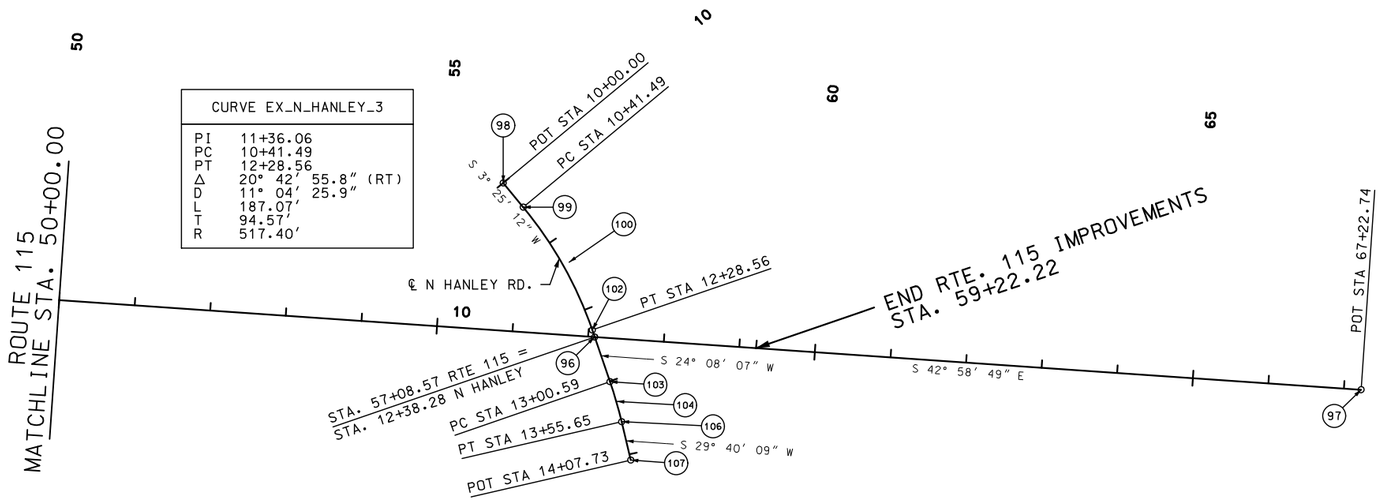
© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

ROUTE 115

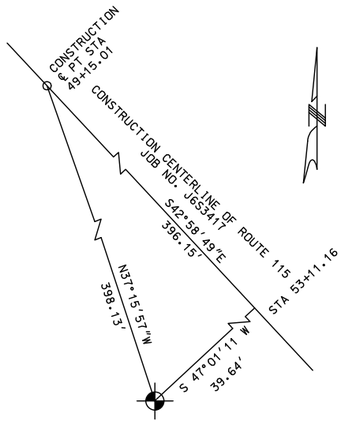
GEOMETRIC & COORDINATE POINTS SHEET
SHEET 4 OF 6



CURVE EX_N_HANLEY_6	
PI	13+28.14
PC	13+00.59
PT	13+55.65
Δ	5° 32' 02.2" (RT)
D	10° 03' 06.8"
L	55.05'
T	27.55'
R	570.00'

LAND TIE #3

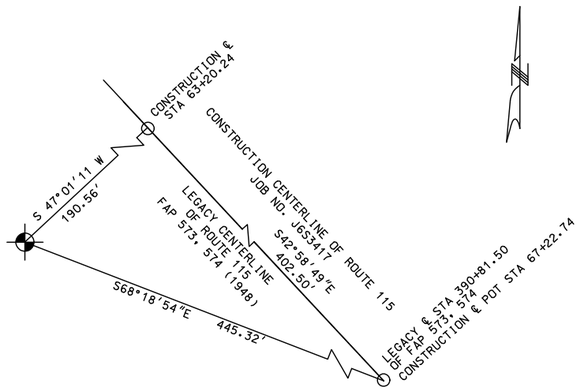
LAND CORNER TIE:
FOUND COTTON PICKER SPINDLE NOTED AS SET
AT NORTHERN-MOST CORNER OF LOT 2 IN
PLAT OF NATURAL BRIDGE 8624
RECORDED IN PB 361 PG 133
39.64 FEET SOUTHWEST OF BASELINE STATION 53+11.16
PROJECT COORDINATES
N:1048041.772 E:871478.957



FOUND COTTON PICKER SPINDLE (#116)
NORTHERN-MOST CORNER
LOT 2 IN NATURAL BRIDGE 8624
PB 361 PG 133

LAND TIE #4

FOUND 5/8 INCH REBAR W/CAP "MERIDIAN 2010021844"
AT NORTHERN-MOST CORNER OF LOT 27 IN
COUNTRY CLUB ADDITION NO. 2
RECORDED IN PB 18 PG 48-49
190.56 FEET SOUTHWEST OF BASELINE STATION 63+20.24
OF PROPOSED CENTERLINE PER JOB NO. J6S3417
PROJECT COORDINATES
N:1047200.655 E:872056.490



FOUND 5/8 INCH REBAR W/CAP "MERIDIAN 2010021844" (#105)
NORTHERN-MOST CORNER
LOT 27 IN COUNTRY CLUB ADDITION NO. 2
PB 18 PG 48-49

ROUTE 115 GEOMETRIC & COORDINATE POINTS

LOCATION	OFFSET	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
RTE 115 / N HANLEY	0.00	1047778.06	871778.89	STA 57+08.57 RTE 115 / STA 12+38.28 N HANLEY	96
RTE 115	0.00	1047036.11	872470.30	POT STA 67+22.74	97
N HANLEY	0.00	1048009.05	871829.65	POT STA 10+00.00	98
N HANLEY	0.00	1047967.63	871827.18	PC STA 10+41.49	99
N HANLEY	8.57' LT	1047873.24	871821.54	PI STA 11+36.06	100
N HANLEY	517.40' RT	1047998.50	871310.70	CENTER OF CURVE STA 12+28.56	101
N HANLEY	0.00	1047786.94	871782.87	PT STA 12+28.56	102
N HANLEY	0.00	1047721.20	871753.41	PC STA 13+00.59	103
N HANLEY	0.67' LT	1047696.06	871742.15	PI STA 13+28.14	104
N HANLEY	570.00' RT	1047954.27	871233.24	CENTER OF CURVE STA 13+00.59	105
N HANLEY	0.00	1047672.12	871728.51	PT STA 13+55.65	106
N HANLEY	0.00	1047626.86	871702.73	POT STA 14+07.73	107

NOTES:

1. THE PROJECTION FACTOR IS USED AS A MULTIPLIER FROM STATE PLANE DISTANCES TO GROUND DISTANCES. THE FACTOR WAS APPLIED FROM COORDINATE O. O.
2. CENTERLINE SHOWN IS A CONSTRUCTION CENTERLINE SPECIFIC TO THIS PROJECT & NOT THE ORIGINAL LEGACY CENTERLINE UNLESS OTHERWISE NOTED.

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.

SCALE
0 100 200 300

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
01/25/2024 11:53:57 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	53

COUNTY
ST. LOUIS
JOB NO.
J6S3417
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)

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

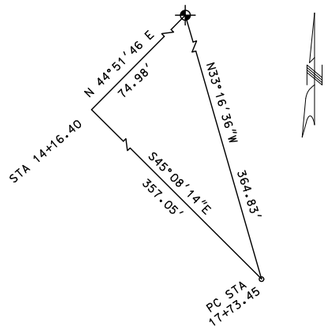
REV.

ROUTE 115

GEOMETRIC & COORDINATE POINTS SHEET
SHEET 5 OF 6

LAND TIE #5

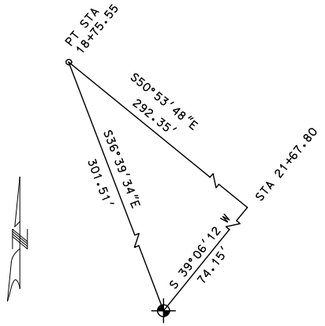
LAND CORNER TIE:
FOUND 1/2 INCH REBAR W/CAP "HAILS281D"
AT WESTERN–MOST CORNER OF LOT A
QUIKTRIP CONSOLIDATION PLAT #601
RECORDED IN PB 364 PG 272
74.98 FEET NORTHEAST OF BASELINE STATION 14+16.40
PROJECT COORDINATES
N:1050715.487 E:868661.569



FOUND 1/2 INCH REBAR W/CAP "HAILS281D" (#202)
AT WESTERN–MOST CORNER OF LOT A
QUIKTRIP CONSOLIDATION PLAT #601
RECORDED IN PB 364 PG 272

LAND TIE #6

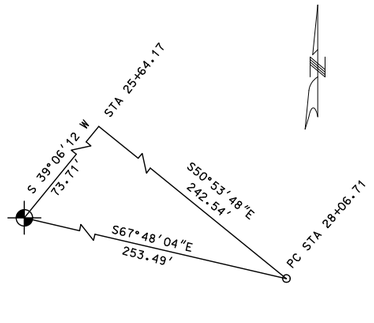
LAND CORNER TIE:
FOUND ALUMINUM DISC STAMPED "MODOT RW LC 222 D"
AT NORTHERN–MOST CORNER OF ADJUSTED LOT B
CONSOLIDATION PLAT OF VILLAGE OF BEL–RIDGE
RECORDED IN PB 354 PG 152
74.15 FEET SOUTHWEST OF BASELINE STATION 21+67.80
PROJECT COORDINATES
N:1050100.397 E:869117.684



FOUND ALUMINUM DISC STAMPED "MODOT RW LC 222 D" (#188)
AT NORTHERN–MOST CORNER OF ADJUSTED LOT B
CONSOLIDATION PLAT OF VILLAGE OF BEL–RIDGE
RECORDED IN PB 354 PG 152

LAND TIE #7

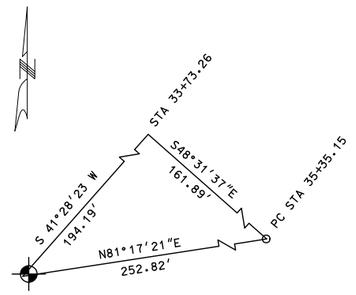
LAND CORNER TIE:
FOUND 1#2 INCH IRON PIPE
AT NORTHEASTERN–MOST CORNER OF ADJUSTED LOT C
CONSOLIDATION PLAT OF VILLAGE OF BEL–RIDGE
RECORDED IN PB 354 PG 152
73.71 FEET SOUTHWEST OF BASELINE STATION 25+64.17
PROJECT COORDINATES
N:1049850.744 E:869425.551



FOUND ½ INCH IRON PIPE (#181)
AT NORTHEASTERN–MOST CORNER OF ADJUSTED LOT C
CONSOLIDATION PLAT OF VILLAGE OF BEL–RIDGE
RECORDED IN PB 354 PG 152

LAND TIE #8

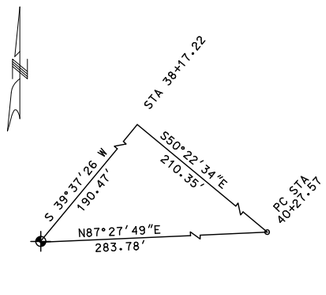
LAND CORNER TIE:
FOUND 1 INCH IRON ROD
AT WEST–MOST CORNER OF LOT 18
BLOCK 4 OF RAMONA HEIGHTS
RECORDED IN PB 4 PG 15
194.19 FEET SOUTHWEST OF BASELINE STATION 33+73.26
PROJECT COORDINATES
N:1049244.942 E:869965.326



FOUND 1 INCH IRON ROD (#185)
AT WEST–MOST CORNER OF LOT 18
BLOCK 4 OF RAMONA HEIGHTS
RECORDED IN PB 4 PG 15

LAND TIE #9

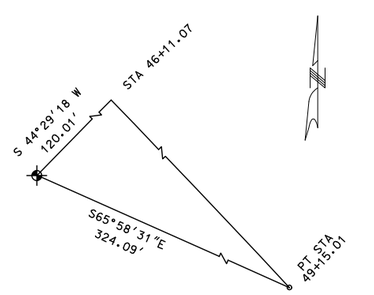
LAND CORNER TIE:
FOUND 5/8 INCH REBAR W/CAP "GLSINC LS2649" (#174)
AT WEST–MOST CORNER OF LOT 26
BLOCK 4 OF RAMONA HEIGHTS
RECORDED IN PB 4 PG 15
190.47 FEET SOUTHWEST OF BASELINE STATION 38+17.22
PROJECT COORDINATES
N:1048954.501 E:870309.212



FOUND 5/8 INCH REBAR W/CAP "GLSINC LS2649" (#174)
AT WEST–MOST CORNER OF LOT 26 IN BLOCK 4
OF RAMONA HEIGHTS
RECORDED IN PB 4 PG 15

LAND TIE #10

LAND CORNER TIE:
FOUND 1 INCH IRON ROD
AT SOUTH–MOST CORNER OF PART OF LOT 1
OF PARTITION OF SAMUEL CLER ESTATES
ACCORDING TO GWD DB 22059 PG 103
120.01 FEET SOUTHWEST OF BASELINE STATION 46+11.07
PROJECT COORDINATES
N:1048490.565 E:870941.870



FOUND 1 INCH IRON ROD (#169)
AT SOUTH–MOST CORNER OF PART OF LOT 1
OF PARTITION OF SAMUEL CLER ESTATES
ACCORDING TO GWD DB 22059 PG 103

PROJECTION FACTOR = 1.0000878

NOTE:

THE PROJECTION FACTOR IS USED AS A MULTIPLIER FROM STATE PLANE DISTANCES TO GROUND DISTANCES. THE FACTOR WAS APPLIED FROM COORDINATE 0, 0.

CENTERLINE SHOWN IS A CONSTRUCTION CENTERLINE SPECIFIC TO THIS PROJECT & NOT THE ORIGINAL LEGACY CENTERLINE UNLESS OTHERWISE NOTED.

COORDINATE POINT LISTING – TABLE OF
ROUTE 115 PAVEMENT, SIGNAL, & ADA IMPROVEMENT PROJECT
COORDINATES US STATE PLANE NAD83
ZONE 2401 (MISSOURI EAST) – MODIFIED TO GROUND
VERTICAL DATUM: NAVD88

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 11:53:57 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	54

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

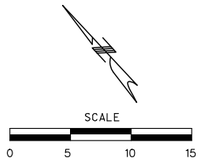
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

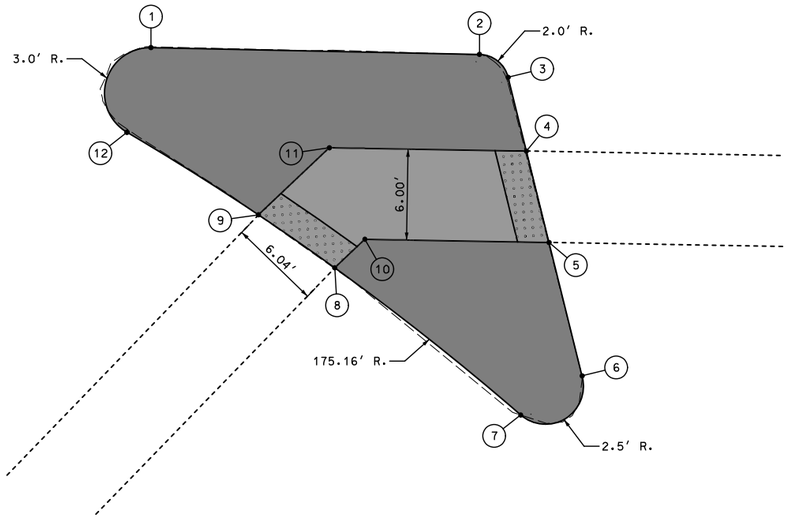
© Copyright CMT, Inc.

REV.

ROUTE 115

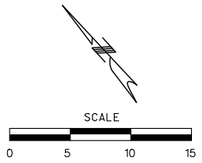
GEOMETRIC & COORDINATE
POINTS SHEET
SHEET 6 OF 6

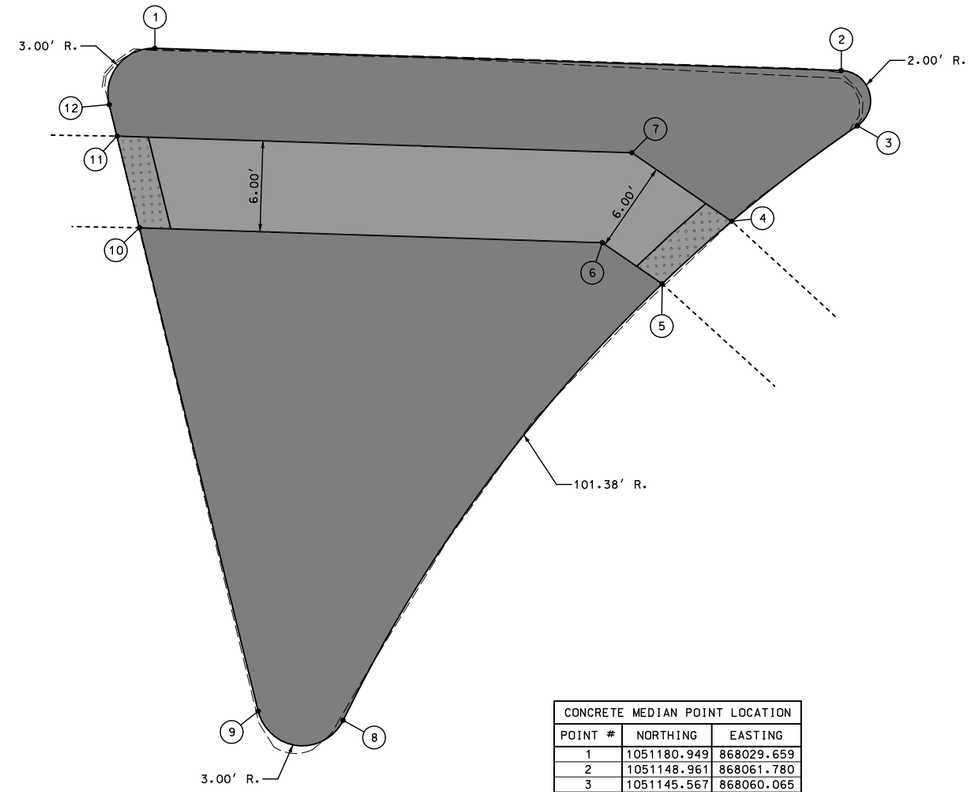




CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1051236.144	867973.308
2	1051221.027	867988.857
3	1051218.618	867989.210
4	1051214.239	867986.766
5	1051208.819	867983.742
6	1051200.814	867979.275
7	1051201.768	867974.606
8	1051217.246	867972.261
9	1051223.239	867970.968
10	1051217.263	867975.000
11	1051223.278	867977.410
12	1051233.140	867968.341

RTE 115 AT SB I-170 RAMPS
S.W. QUADRANT





CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1051180.949	868029.659
2	1051148.961	868061.780
3	1051145.567	868060.065
4	1051146.615	868049.704
5	1051146.732	868043.533
6	1051151.414	868042.497
7	1051154.425	868047.976
8	1051140.049	868008.481
9	1051144.316	868004.792
10	1051172.984	868020.837
11	1051178.422	868023.880
12	1051180.288	868024.925

RTE 115 AT SB I-170 RAMPS
S.E. QUADRANT

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI · PROFESSIONAL ENGINEER
Jennifer Huber
01/25/2024 12:01:34 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	55

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

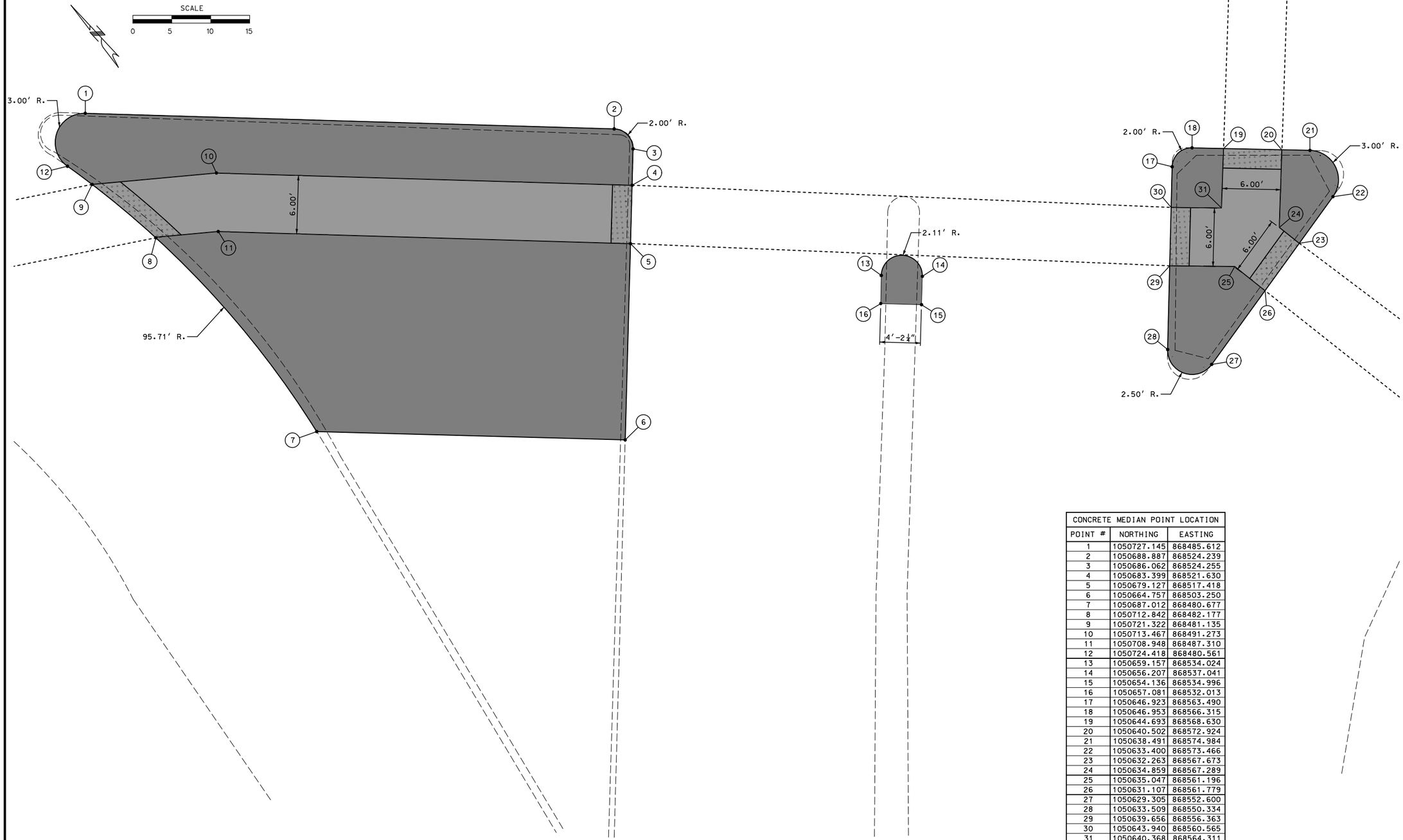
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ISLAND DETAILS

ROUTE 115

SPECIAL SHEET
1 OF 12

REV.



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1050727.145	868485.612
2	1050688.887	868524.239
3	1050686.062	868524.255
4	1050683.399	868521.630
5	1050679.127	868517.418
6	1050664.757	868503.250
7	1050687.012	868480.677
8	1050712.842	868482.177
9	1050721.322	868481.135
10	1050713.467	868491.273
11	1050708.948	868487.310
12	1050724.418	868480.561
13	1050659.157	868534.024
14	1050656.207	868537.041
15	1050654.136	868534.996
16	1050657.081	868532.013
17	1050646.923	868563.490
18	1050646.953	868566.315
19	1050644.693	868568.630
20	1050640.502	868572.924
21	1050638.491	868574.984
22	1050633.400	868573.466
23	1050632.263	868567.673
24	1050634.859	868567.289
25	1050635.047	868561.196
26	1050631.107	868561.779
27	1050629.305	868552.600
28	1050633.509	868550.334
29	1050639.656	868556.363
30	1050643.940	868560.565
31	1050640.368	868564.311

RTE 115 AT NB I-170 RAMPS

ISLAND DETAILS

ROUTE 115

SPECIAL SHEET
2 OF 12

JENNIFER L. HUBER NUMBER PE-2022000257 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

01/25/2024 12:01:44 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	56

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

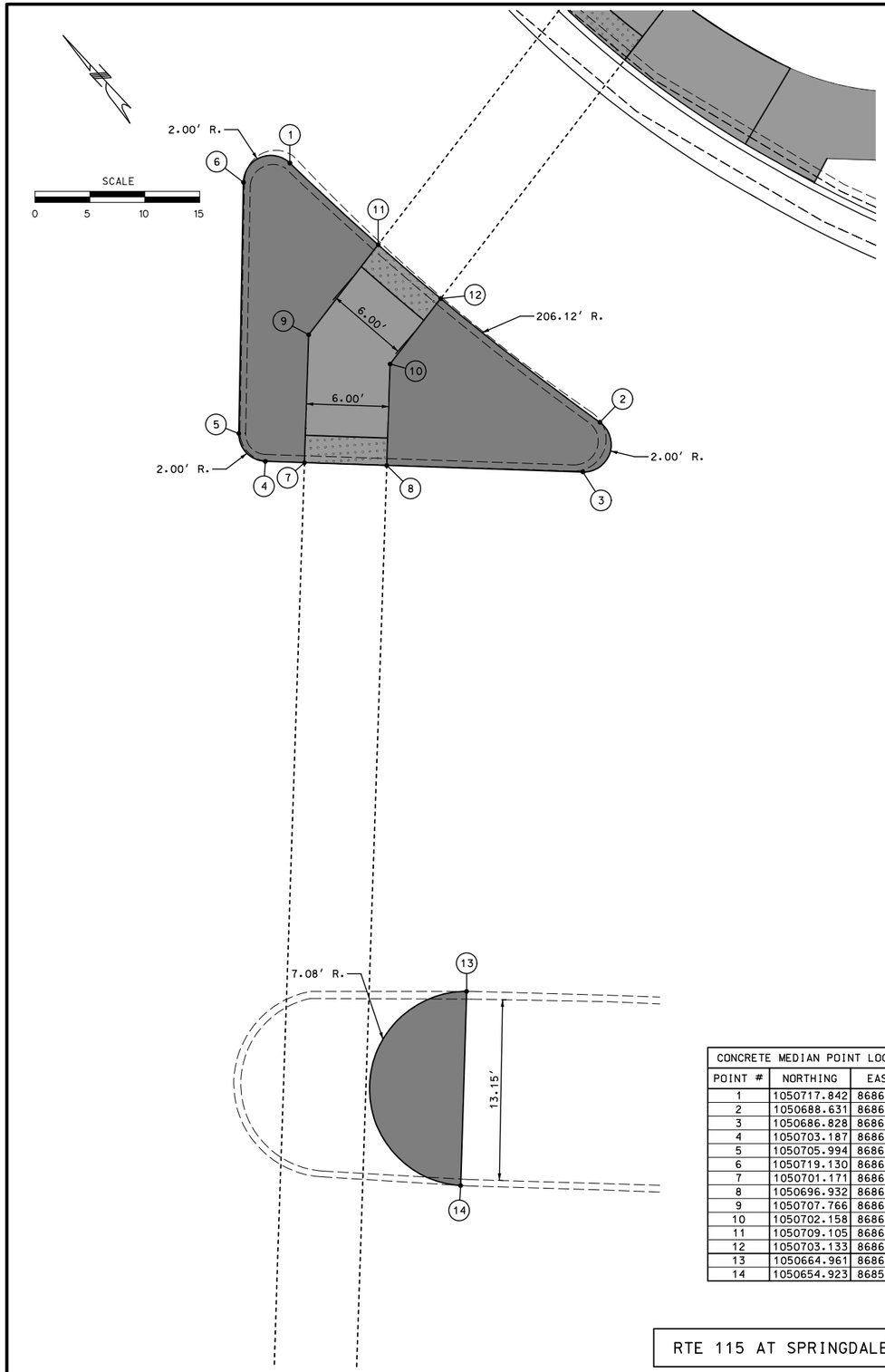
REV.	DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

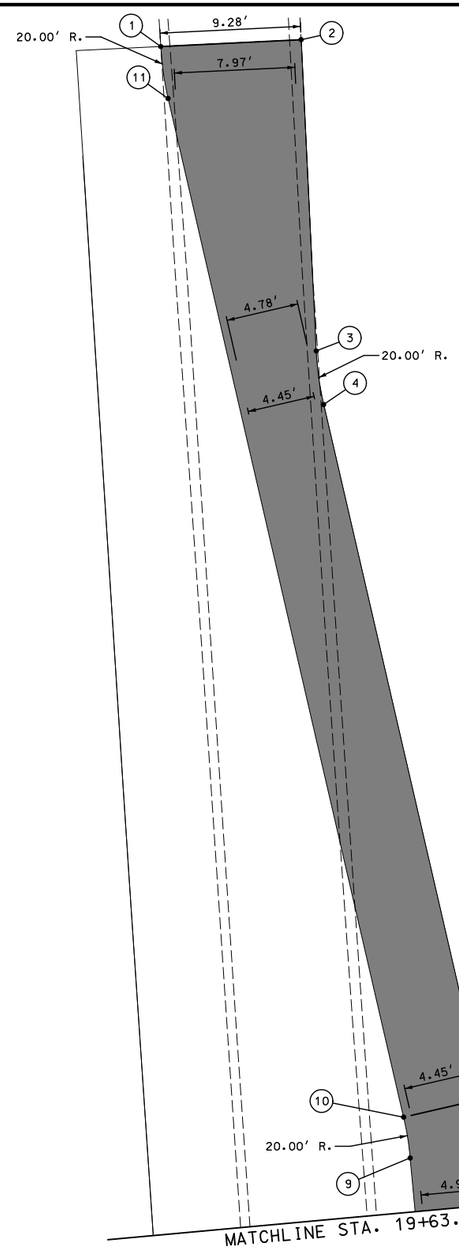
© Copyright CMT, Inc.

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631



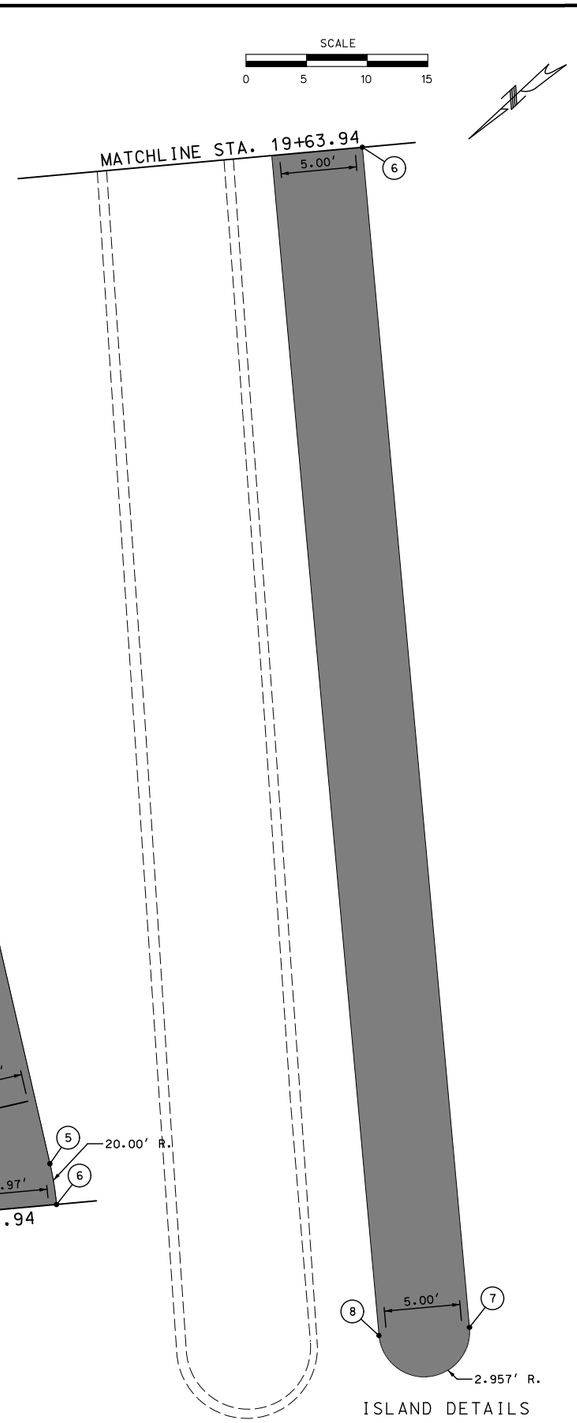
CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1050717.842	868639.137
2	1050688.631	868642.765
3	1050686.828	868639.390
4	1050703.187	868623.003
5	1050705.994	868622.980
6	1050719.130	868635.703
7	1050701.171	868625.023
8	1050696.932	868629.269
9	1050707.766	868631.608
10	1050702.158	868634.488
11	1050709.105	868641.102
12	1050703.133	868640.434
13	1050664.961	868607.383
14	1050654.923	868597.409

RTE 115 AT SPRINGDALE ROAD



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1050329.959	868941.397
2	1050337.040	868947.395
3	1050323.752	868963.083
4	1050321.695	868966.006
5	1050296.008	869010.474
6	1050294.484	869012.740
7	1050246.507	869074.498
8	1050241.774	869070.821
9	1050291.936	869006.250
10	1050293.460	869003.984
11	1050327.972	868944.238

RTE 115 CENTERLINE
STA. 18+75 TO STA. 20+50



ISLAND DETAILS

ROUTE 115

SPECIAL SHEET
3 OF 12

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:01:44 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	57

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

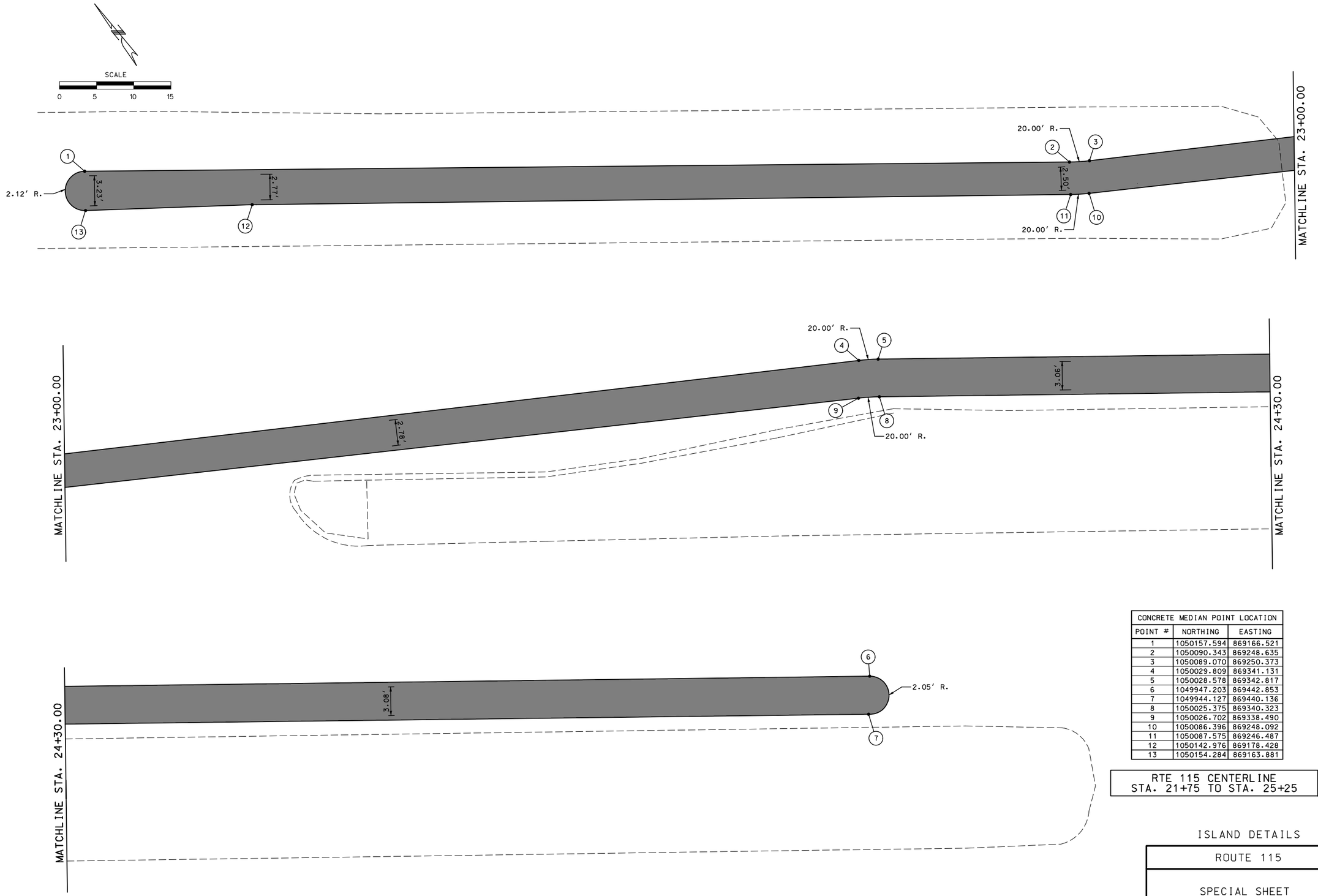
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

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

© Copyright CMT, Inc.
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1050157.594	869166.521
2	1050090.343	869248.635
3	1050089.070	869250.373
4	1050029.809	869341.131
5	1050028.578	869342.817
6	1049947.203	869442.853
7	1049944.127	869440.136
8	1050025.375	869340.323
9	1050026.702	869338.490
10	1050086.396	869248.092
11	1050087.575	869246.487
12	1050142.976	869178.428
13	1050154.284	869163.881

RTE 115 CENTERLINE
STA. 21+75 TO STA. 25+25

ISLAND DETAILS

ROUTE 115

SPECIAL SHEET
4 OF 12

JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
STATE OF MISSOURI

01/25/2024 12:01:44 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	58

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

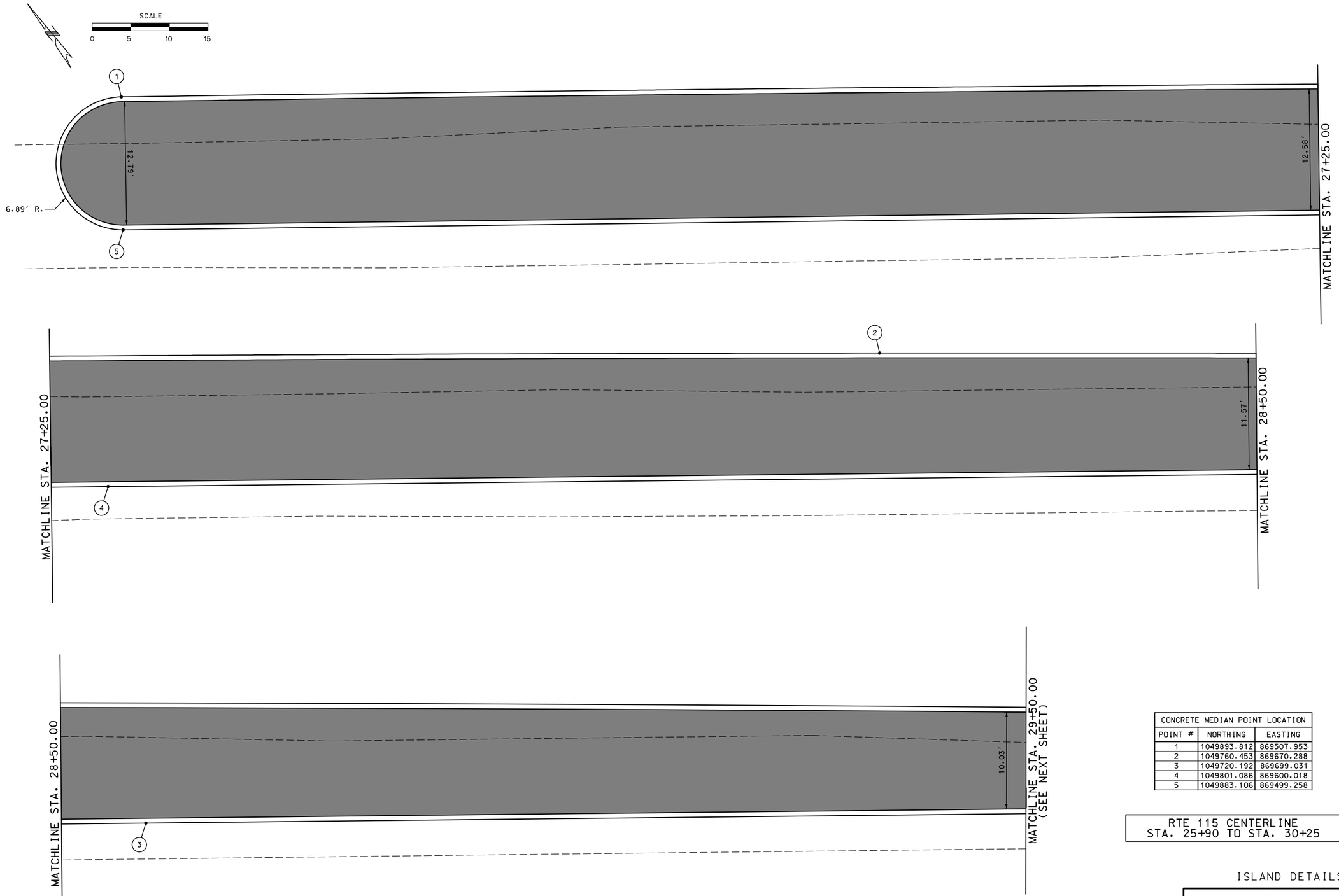
REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1049893.812	869507.953
2	1049760.453	869670.288
3	1049720.192	869699.031
4	1049801.086	869600.018
5	1049883.106	869499.258

RTE 115 CENTERLINE
STA. 25+90 TO STA. 30+25

ISLAND DETAILS

ROUTE 115

SPECIAL SHEET
5 OF 12

JENNIFER L. HUBER
NUMBER PE-2022000257
STATE OF MISSOURI
PROFESSIONAL ENGINEER

01/25/2024 12:01:44 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	59

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

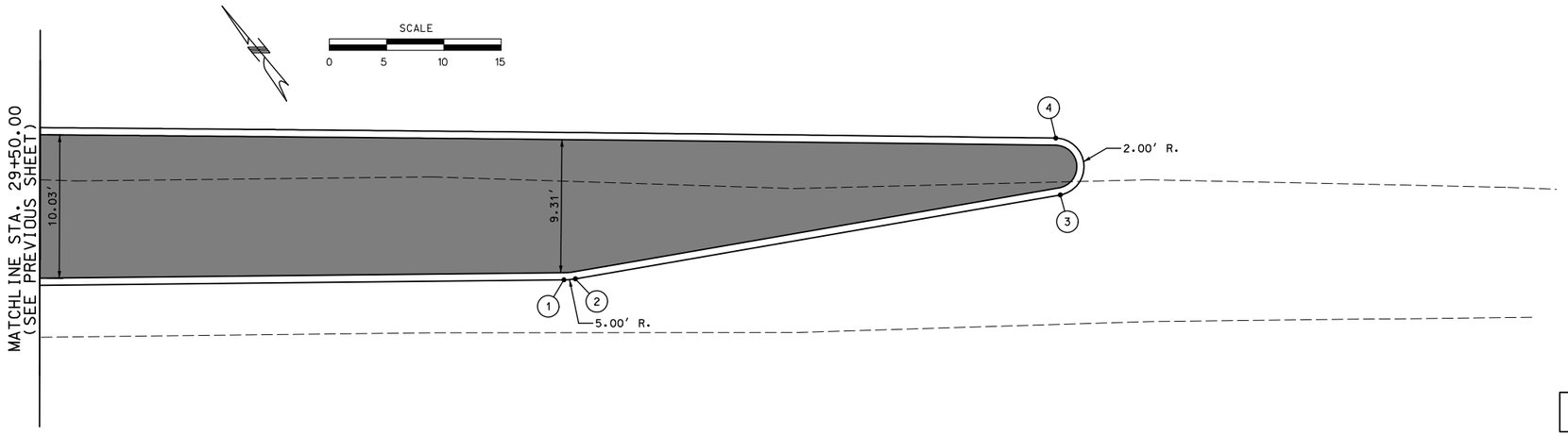
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

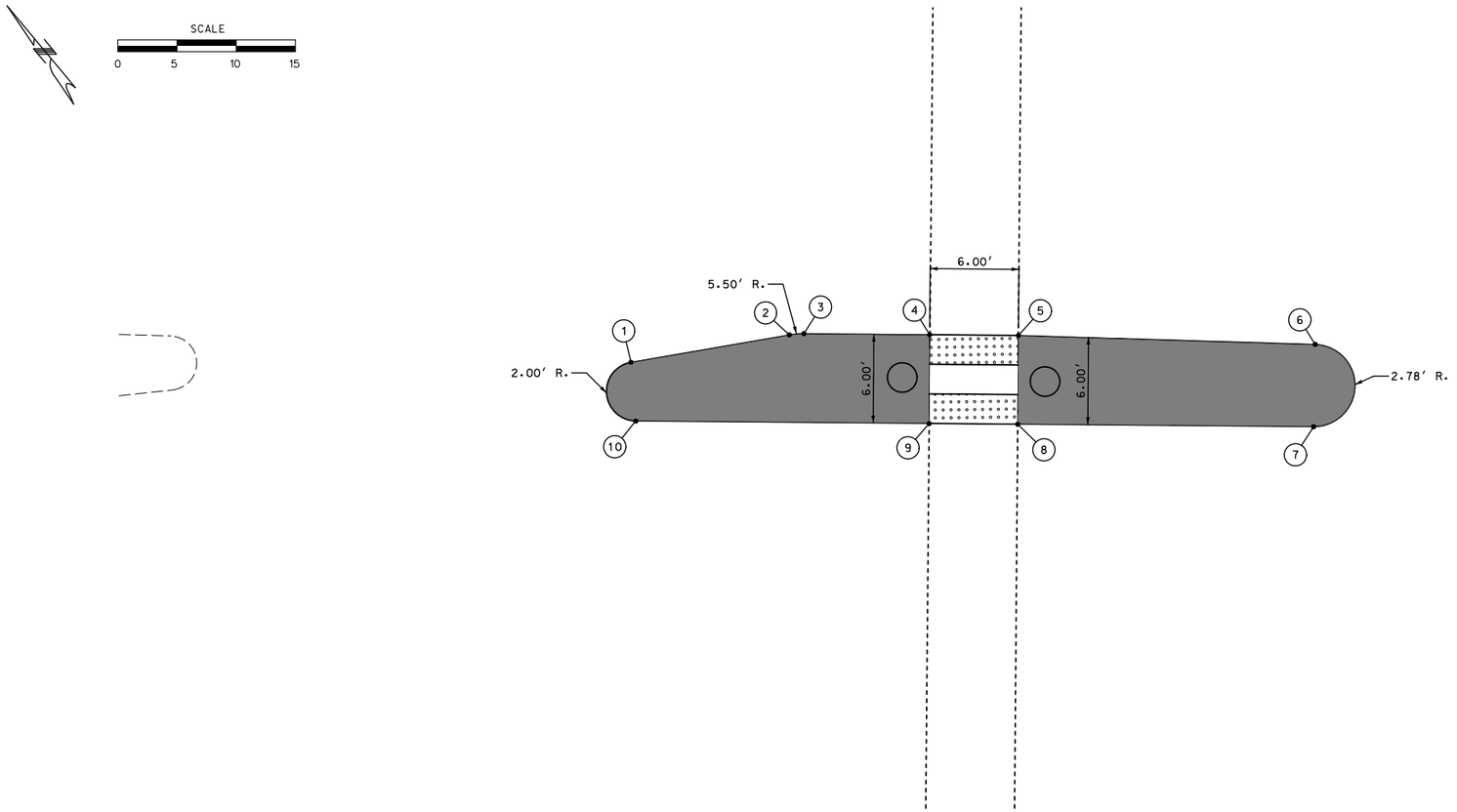
© Copyright CMT, Inc.

REV.



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1049639.299	869798.044
2	1049638.842	869798.705
3	1049621.632	869828.480
4	1049624.883	869830.782

RTE 115 CENTERLINE
STA. 25+90 TO STA. 30+25



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1049471.128	870002.795
2	1049465.695	870012.196
3	1049465.126	870013.004
4	1049459.621	870019.485
5	1049455.738	870024.058
6	1049442.422	870039.068
7	1049438.219	870035.418
8	1049451.165	870020.173
9	1049455.038	870015.613
10	1049467.872	870000.500

RTE 115 CENTERLINE
STA. 32+50 TO STA. 33+00

ISLAND DETAILS

ROUTE 115

SPECIAL SHEET
6 OF 12

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI
PROFESSIONAL ENGINEER

01/25/2024 12:01:44 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	60

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION	DATE

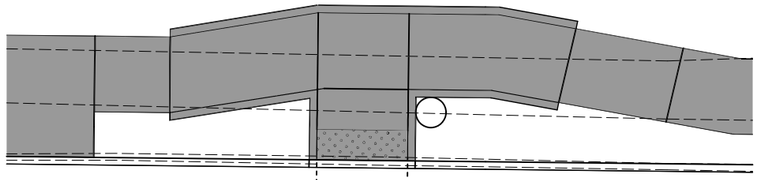
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

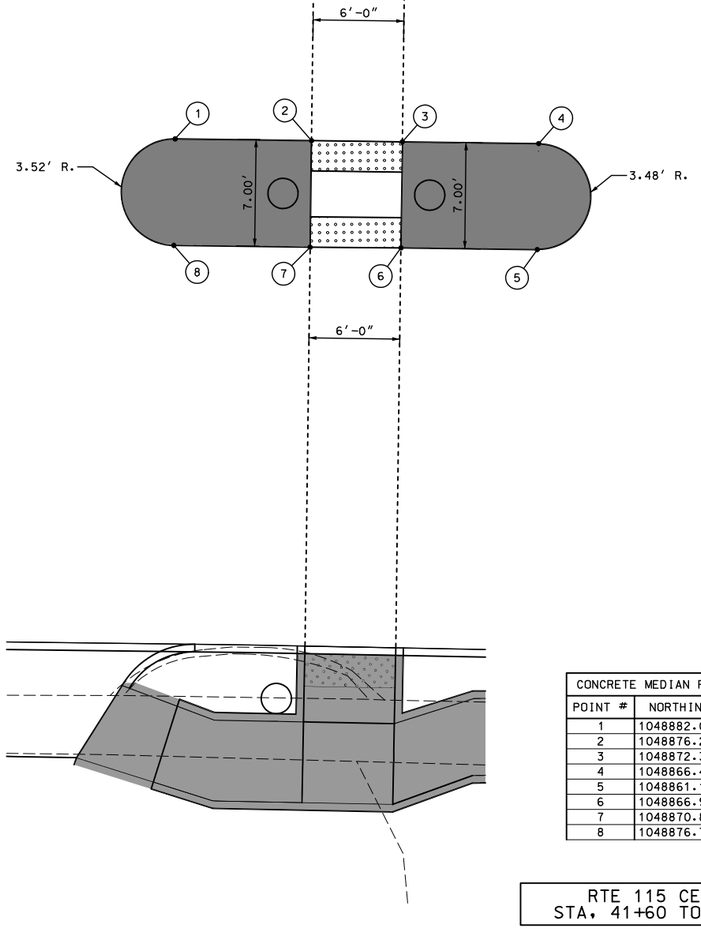
CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE

0 5 10 15



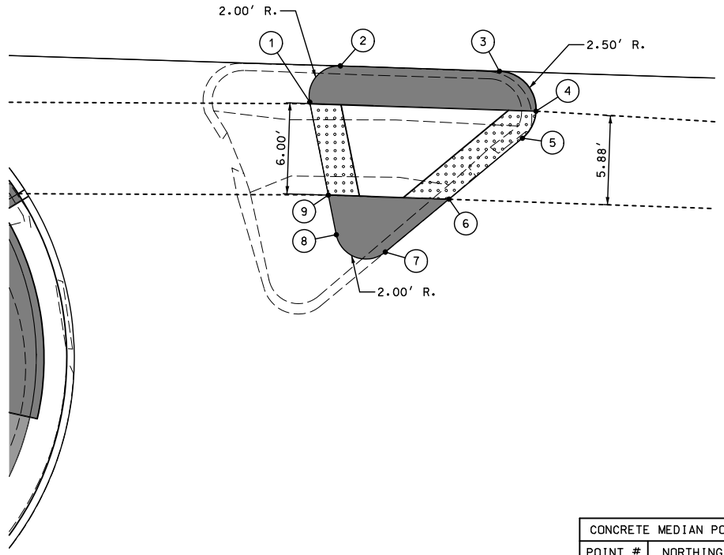


CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1048882.062	870698.699
2	1048876.205	870705.533
3	1048872.303	870710.087
4	1048866.448	870716.921
5	1048861.132	870712.367
6	1048866.988	870705.532
7	1048870.867	870700.958
8	1048876.723	870694.124

RTE 115 CENTERLINE
STA. 41+60 TO STA. 41+90

SCALE

0 5 10 15



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1048790.088	870749.491
2	1048790.625	870752.581
3	1048783.629	870760.412
4	1048780.058	870760.573
5	1048779.265	870758.741
6	1048779.280	870752.449
7	1048779.293	870746.982
8	1048782.248	870745.229
9	1048784.590	870746.503

RTE 115 AT RAMONA AVENUE

ISLAND DETAILS

ROUTE 115

SPECIAL SHEET
7 OF 12

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 12:01:45 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	61

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

REV.	DESCRIPTION	DATE

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

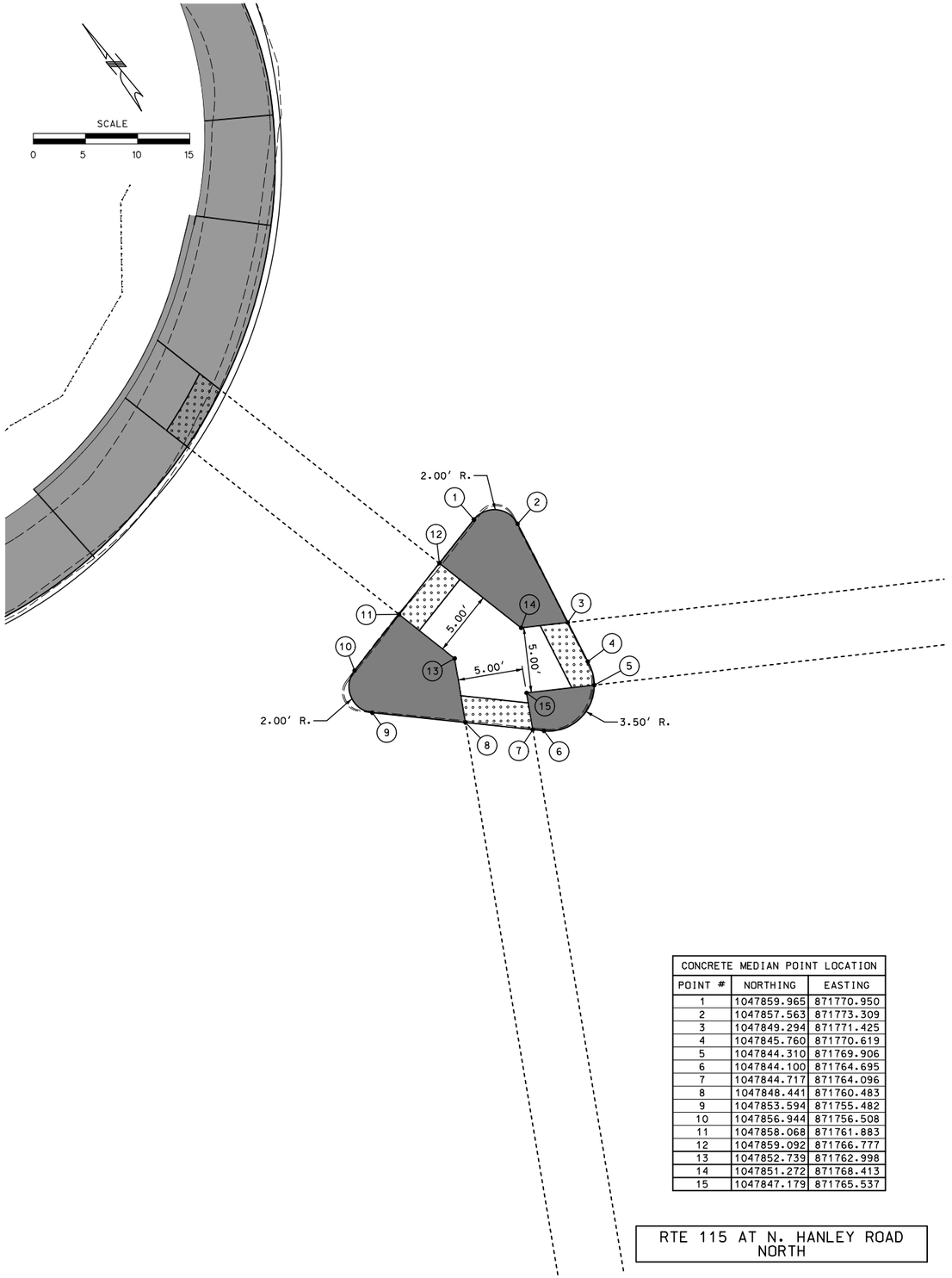
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT

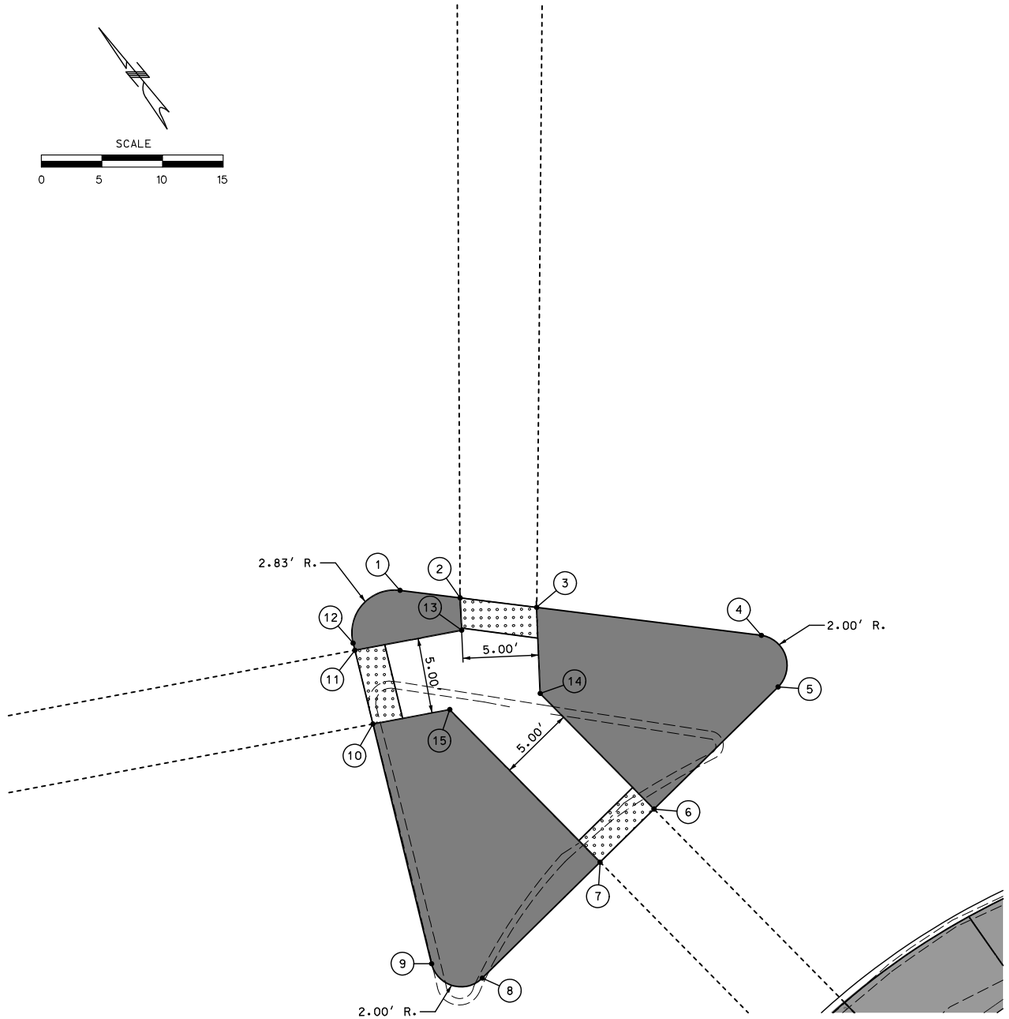
© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1047859.965	871770.950
2	1047857.563	871773.309
3	1047849.294	871771.425
4	1047845.760	871770.619
5	1047844.310	871769.906
6	1047844.100	871764.695
7	1047844.717	871764.096
8	1047848.441	871760.483
9	1047853.594	871755.482
10	1047856.944	871756.508
11	1047858.068	871761.883
12	1047859.092	871766.777
13	1047852.739	871762.998
14	1047851.272	871768.413
15	1047847.179	871765.537

RTE 115 AT N. HANLEY ROAD NORTH



CONCRETE MEDIAN POINT LOCATION		
POINT #	NORTHING	EASTING
1	1047723.261	871800.893
2	1047720.342	871803.620
3	1047716.622	871807.094
4	1047705.698	871817.297
5	1047702.379	871815.963
6	1047701.438	871804.508
7	1047701.029	871799.525
8	1047700.137	871788.660
9	1047703.009	871786.701
10	1047717.636	871793.862
11	1047722.134	871796.064
12	1047722.574	871796.280
13	1047718.636	871802.328
14	1047712.108	871803.632
15	1047715.121	871798.368

RTE 115 AT N. HANLEY ROAD SOUTH

ISLAND DETAILS

ROUTE 115

SPECIAL SHEET
8 OF 12

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

02/28/2024 11:02:02 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
2/28/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	62

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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

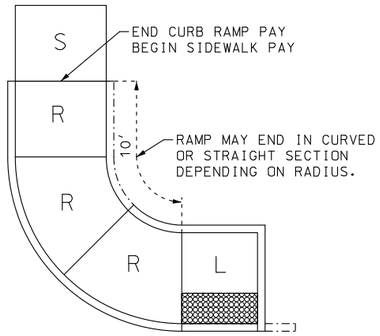
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

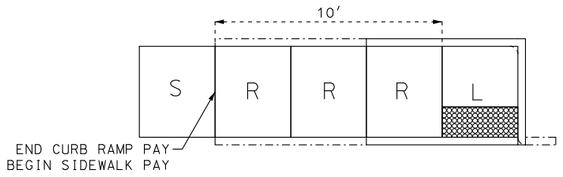
REV.

PEDESTRIAN CURB RAMP PAY LIMITS

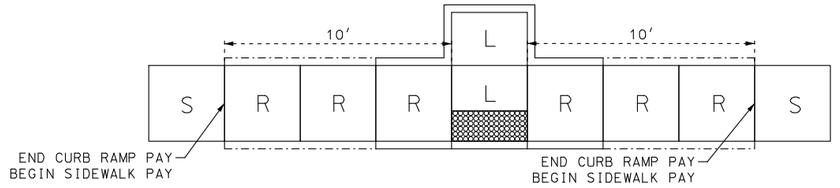


TYPE 1 PARALLEL

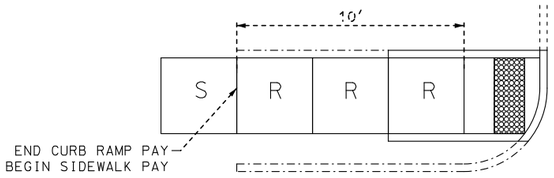
THE LENTH OF THIS RAMP SHALL BE MEASURED
ON THE INSIDE/SHORT SIDE OF THE CURVE



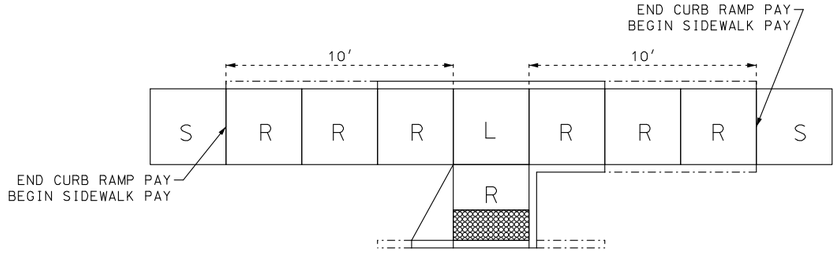
TYPE 2 PARALLEL



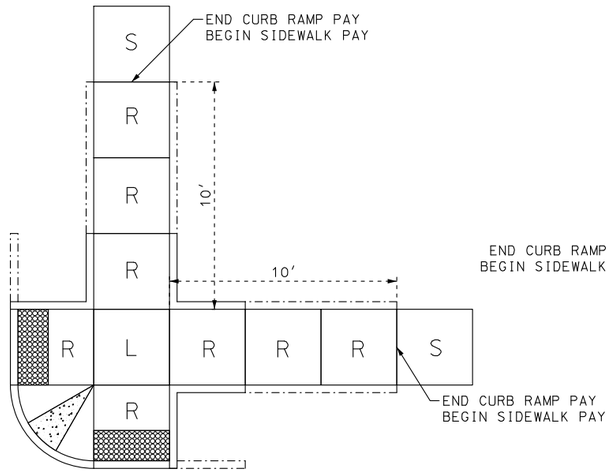
TYPE 3 PARALLEL



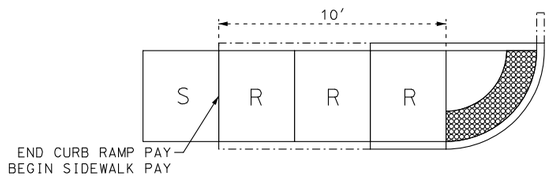
SMALL RADIUS PERPENDICULAR



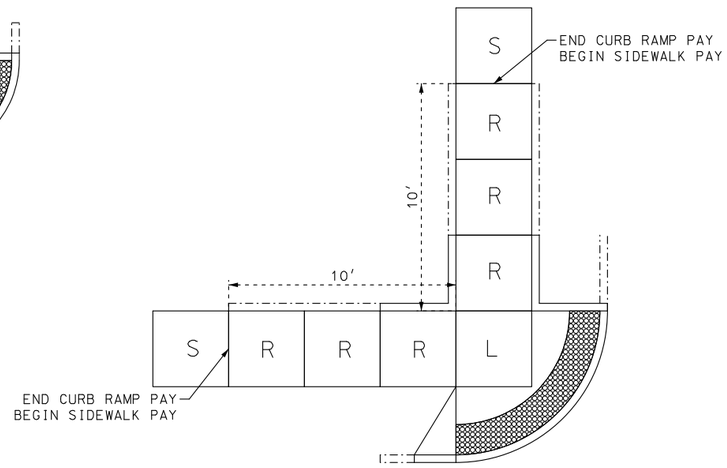
COMPOUND PERPENDICULAR



DUAL PERPENDICULAR
PAY AS 2 EACH



LARGE RADIUS PERPENDICULAR



BLENDED TRANSITION
PAY AS 2 EACH

Notes –
10 FEET OF WALKWAY SHALL BE INCLUDED IN CURB RAMP PAY, PER EACH, AS SHOWN.

L – LANDING OR CLEAR AREA FOR TURNING MOVEMENTS AND RESTS.
R – PAY AS RAMP
S – PAY AS SIDEWALK.

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.

CURB RAMP PAY LIMITS

ROUTE 115

SPECIAL SHEET
9 OF 12

JENNIFER L. HUBER
NUMBER
PE-2022000257
STATE OF MISSOURI
PROFESSIONAL ENGINEER

01/25/2024 12:01:45 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	63

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

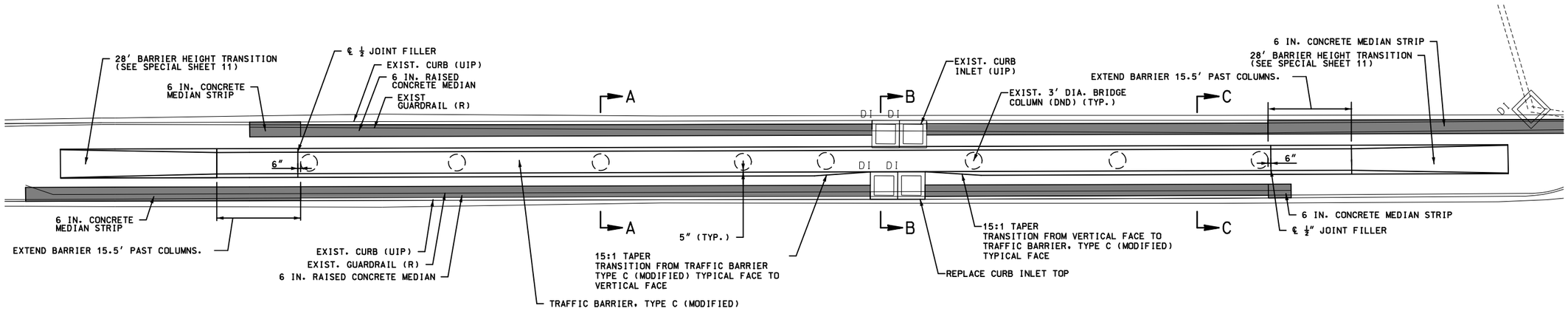
REV.	DESCRIPTION	DATE

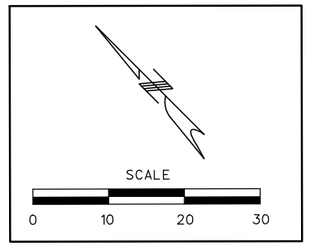
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.



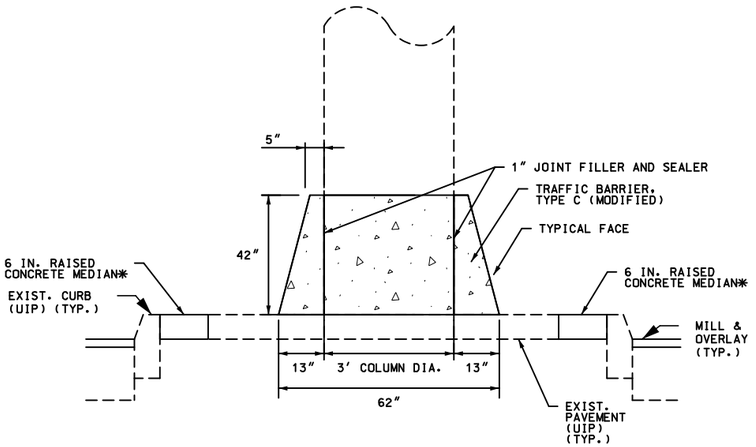


NOTES:

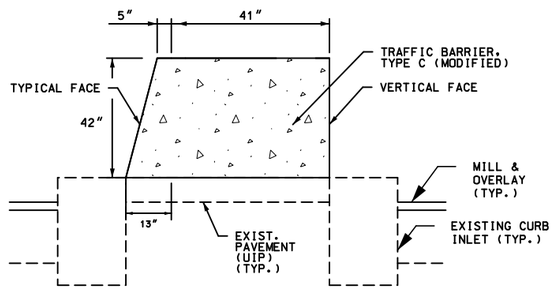
1. PERMANENT CONCRETE TRAFFIC BARRIER TYPE C (MODIFIED) AND HEIGHT TRANSITIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 617 OF THE MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND IN ACCORDANCE WITH MISSOURI STANDARD PLAN 617.10M EXCEPT AS MODIFIED BY THIS DRAWING.

2. PERMANENT CONCRETE TRAFFIC BARRIER, TYPE C (MODIFIED) AND HEIGHT TRANSITIONS TO BE PAID FOR AS CONCRETE TRAFFIC BARRIER, TYPE C (MODIFIED).

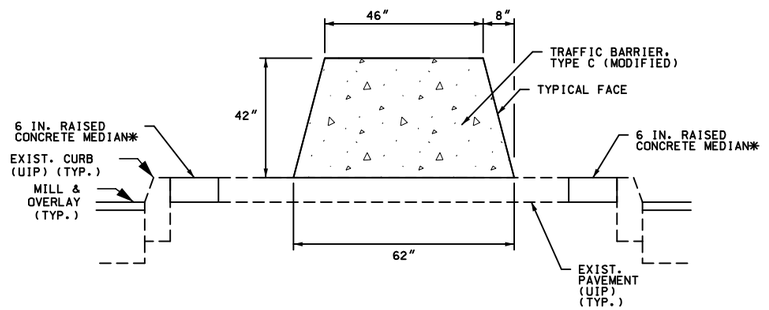
PART PLAN ROUTE 115
MEDIAN BARRIER UNDER I-170 OVERPASS



SECTION A-A
AT BRIDGE COLUMN



SECTION B-B
AT CURB INLETS



SECTION C-C
BETWEEN BRIDGE COLUMNS

GENERAL DETAIL NOTES:

1. DETAILS NOT TO SCALE. USE DIMENSIONS.

2. EXISTING GUARDRAIL NOT SHOWN FOR CLARITY AS IS TO BE REMOVED.

3. ALL JOINT FILLER SHALL BE IN ACCORDANCE WITH SEC. 1057 FOR PREFORMED SPONGE RUBBER EXPANSION.

TRAFFIC BARRIER, TYPE C (MODIFIED)

ROUTE 115

SPECIAL SHEET 10 OF 12

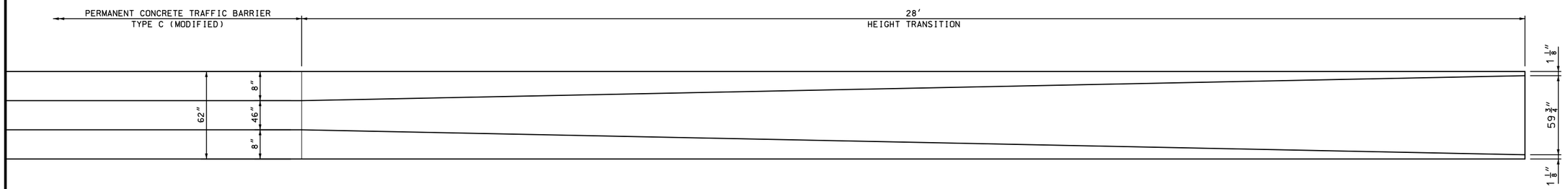
JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI PROFESSIONAL ENGINEER
01/25/2024 1:28:40 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 64
COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

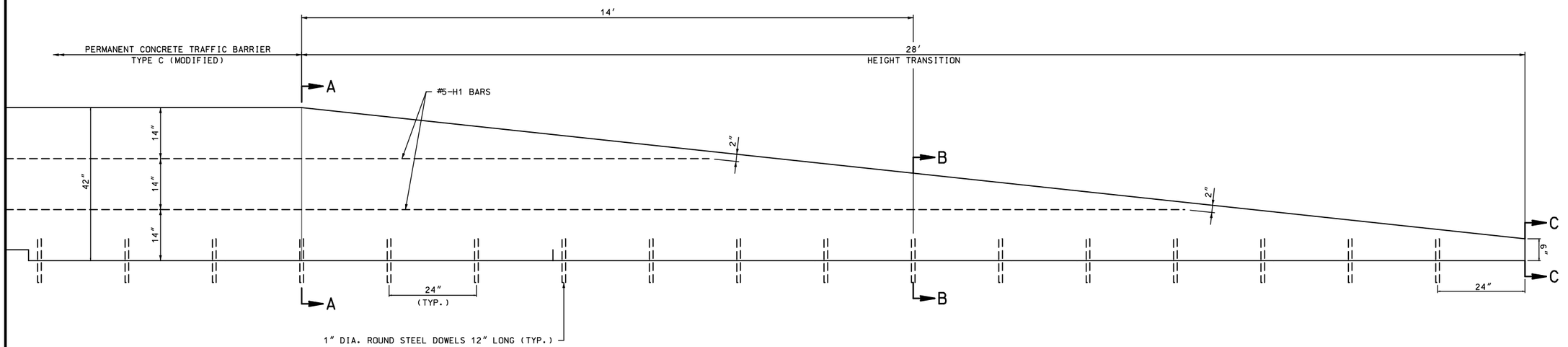
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

REV.



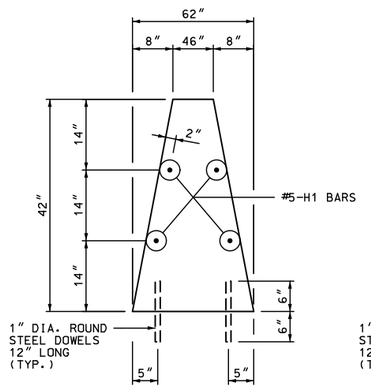
PERMANENT CONCRETE TRAFFIC BARRIER TYPE C (MODIFIED) HEIGHT TRANSITION – PLAN

DRAWING NOT TO SCALE. USE DIMENSIONS.

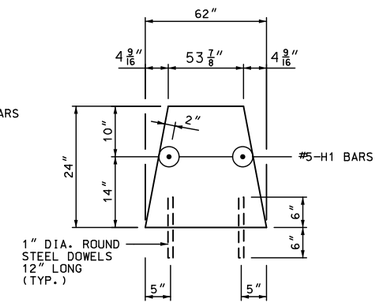


PERMANENT CONCRETE TRAFFIC BARRIER TYPE C (MODIFIED) HEIGHT TRANSITION – ELEVATION

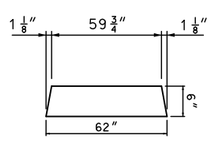
DRAWING NOT TO SCALE. USE DIMENSIONS.



SECTION A–A



SECTION B–B



SECTION C–C

NOTES:

1. PERMANENT CONCRETE TRAFFIC BARRIER TYPE C (MODIFIED) AND HEIGHT TRANSITIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 617 OF THE MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND IN ACCORDANCE WITH MISSOURI STANDARD PLAN 617.10M EXCEPT AS MODIFIED BY THIS DRAWING.

2. PERMANENT CONCRETE TRAFFIC BARRIER, TYPE C (MODIFIED) AND HEIGHT TRANSITIONS TO BE PAID FOR AS CONCRETE TRAFFIC BARRIER, TYPE C (MODIFIED).

BARRIER HEIGHT TRANSITION

ROUTE 115

SPECIAL SHEET
11 OF 12

JENNIFER L. HUBER NUMBER PE-2022000257
PROFESSIONAL ENGINEER
STATE OF MISSOURI

01/25/2024 12:01:45 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	65

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

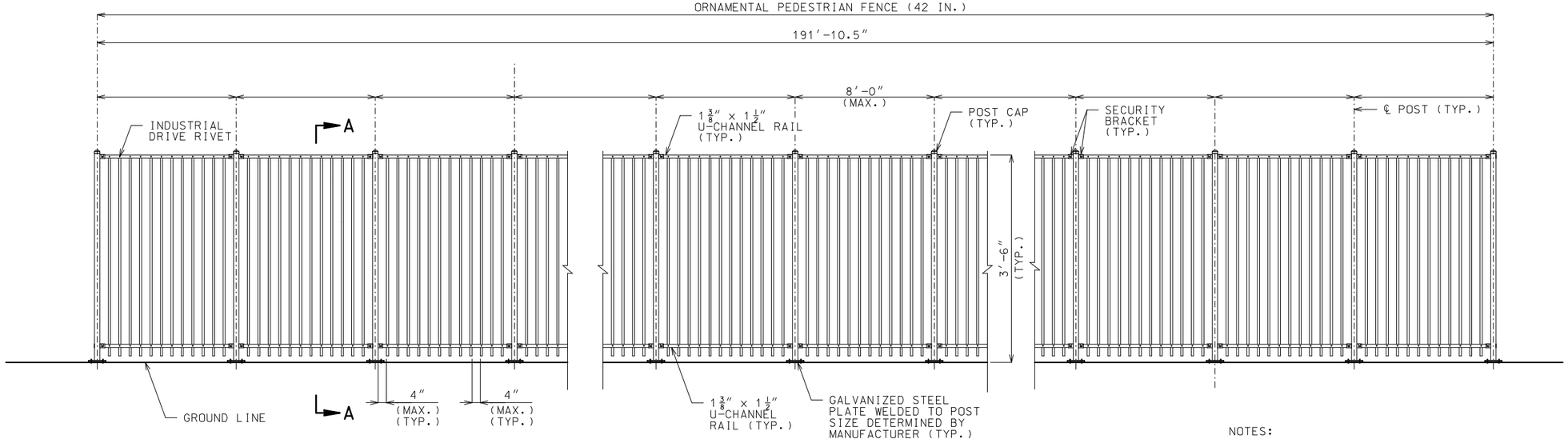
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

© Copyright CMT, Inc.

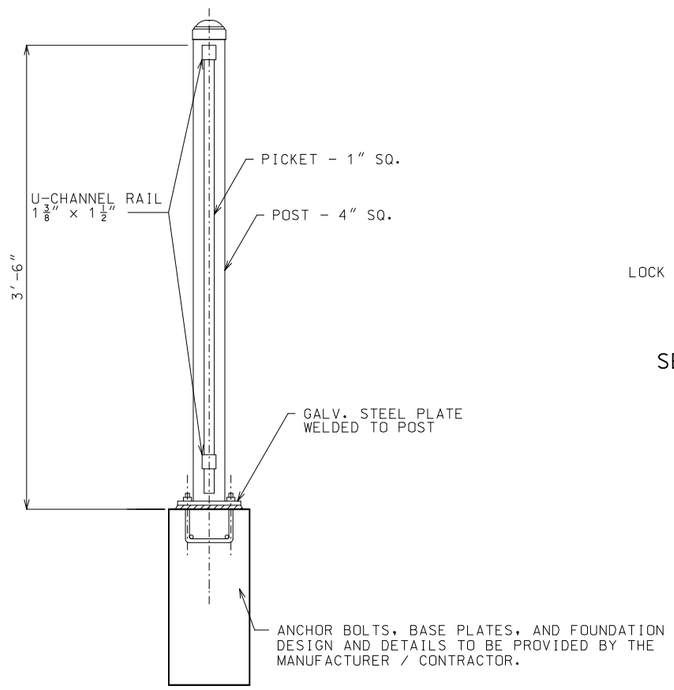
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

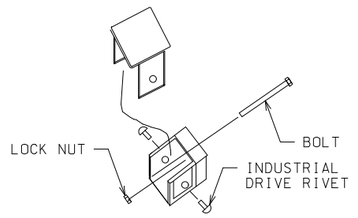


ELEVATION OF FENCE

NOTE: ALL FENCE PANELS SHALL BE PLACED LEVEL AND POSITIONED SUCH THAT THE VERTICAL CLEARANCE BETWEEN THE TOP OF THE PROPOSED GROUND AND BOTTOM OF FENCE PANEL IS 2 INCHES.



SECTION A-A



SECURITY BRACKET DETAIL

NOTES:

THE DESIGN LIVE LOAD FOR PEDESTRIAN RAILINGS SHALL BE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS EXCEPT THAT A UNIFORM LOAD OF 50 LB/FT AND A CONCENTRATED LOAD OF 200 LB NEED NOT BE APPLIED SIMULTANEOUSLY. THE POSTS OF PEDESTRIAN FENCING WILL REQUIRE BOTH LOADINGS APPLIED SIMULTANEOUSLY.

ALL CONNECTIONS FROM POST TO RAIL SHALL BE BOLTED.

INSTALL FENCE PER MANUFACTURERS RECOMMENDATIONS.

TUBULAR GALVANIZED STEEL SHALL BE PER ASTM F2408 WITH A MINIMUM YIELD STRENGTH OF 45 KSI.

U-CHANNEL STEEL SHALL BE PER ASTM F2408 WITH MINIMUM YIELD STRENGTH OF 50 KSI.

FLOOR PLATE SHALL BE ASTM A709, GRADE 36.

RAIL/POST BRACKETS SHALL BE DIE CAST OF ZINC PER ASTM B86-83Z 33521 AND SHALL ACCOMODATE RAIL ANGLES UP TO 30° IN ANY DIRECTION. RAIL/POST BRACKET SHALL HAVE A MINIMUM SHEAR STRENGTH OF 3,000 LBS AND HOLDING STRENGTH OF 2,200 LBS. BRACKET TO HAVE SECURITY COVER.

POST CAPS SHALL BE CAST ALUMINUM, MALLEABLE IRON, OR FORMED STEEL.

INDUSTRIAL DRIVE RIVETS SHALL HAVE A MINIMUM SHEAR STRENGTH OF 1,500 LBS AND HOLDING POWER OF 1,100 LBS.

GALVANIZE TUBULAR STEEL, U-CHANNELS AND FLOOR PLATES PER ASTM A653/653M WITH G90 ZINC COATING, 0.9 OZ/SQ. FT.

ALL FENCE ELEMENTS SHALL BE POWDER COATED WITH ZINC ENRICHED EPOXY PRIMER POWDER COAT OF 2-4 MILS AND ULTRA POLYESTER FINISH TGIC POWDER COAT OF 2-4 MILS. FINISH COLOR SHALL BE BLACK.

DIMENSIONS OF ORNAMENTAL RAILING ARE MEASURED HORIZONTALLY. ALL POSTS SHALL BE VERTICAL.

THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR ORNAMENTAL PEDESTRIAN FENCE (42") SHALL INCLUDE FURNISHING, PAINTING, AND ERECTING THE FENCE, POSTS, POST ANCHORING SYSTEM, AND ORNAMENTAL FOUNDATION.

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.

NOTE: THESE DRAWINGS ARE NOT TO SCALE. FOLLOW DIMENSIONS.

ORNAMENTAL FENCE

ROUTE 115

SPECIAL SHEET 12 OF 12

JENNIFER L. HUBER NUMBER PE-2022000257 STATE OF MISSOURI PROFESSIONAL ENGINEER
01/25/2024 1:26:52 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
1/25/2024	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 66
COUNTY ST. LOUIS	
JOB NO. J6S3417	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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

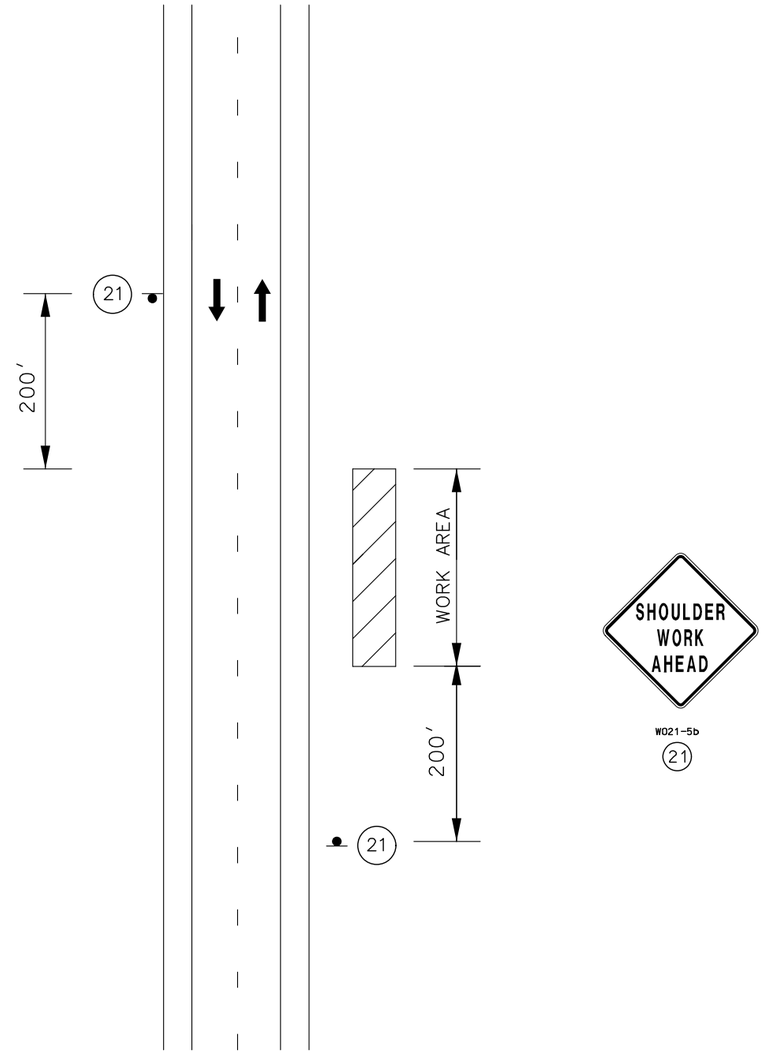
REV.	DESCRIPTION	DATE

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

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.



SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	-	-	-	-	-
40-45	350	500	-	-	-	-	-
50-55	500	1000	-	-	-	-	-
60-70	1000	SA-1000 SB-1500 SC-2640	-	-	-	-	-

NOTES:

ONLY APPLICABLE WHEN WORK IS WITHIN THE CLEAR ZONE.

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

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

TRAFFIC CONTROL LEGEND

SIGN (SINGLE SIDED)

WORK AREA

SHOULDER WORK
WORK BEYOND THE SHOULDER
DIVIDED AND UNDIVIDED

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

NOT TO SCALE

WORK BEYOND THE SHOULDER

ROUTE 115

TRAFFIC CONTROL SHEET 1 OF 22

JENNIFER L. HUBER NUMBER PE-2022000257 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

01/25/2024 12:12:11 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024

ROUTE 115 | STATE MO

DISTRICT SL | SHEET NO. 67

COUNTY ST. LOUIS

JOB NO. J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

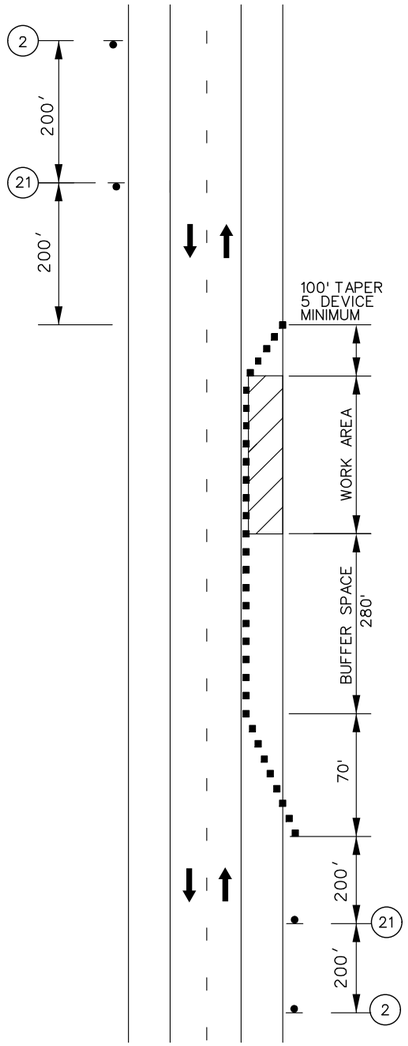
REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.



WORK ON THE SHOULDER
ON DIVIDED AND UNDIVIDED
HIGHWAYS

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

TRAFFIC CONTROL LEGEND

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

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120

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

NOTES:

PROVIDE SIGNS ON LEFT AND RIGHT SIDES OF DIVIDED HIGHWAYS.

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

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

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

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

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.

NOT TO SCALE

WORK ON THE SHOULDER

ROUTE 115

TRAFFIC CONTROL SHEET
2 OF 22

JENNIFER L. HUBER
NUMBER PE 2022000257
PROFESSIONAL ENGINEER
STATE OF MISSOURI
01/25/2024 12:12:20 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 68
COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

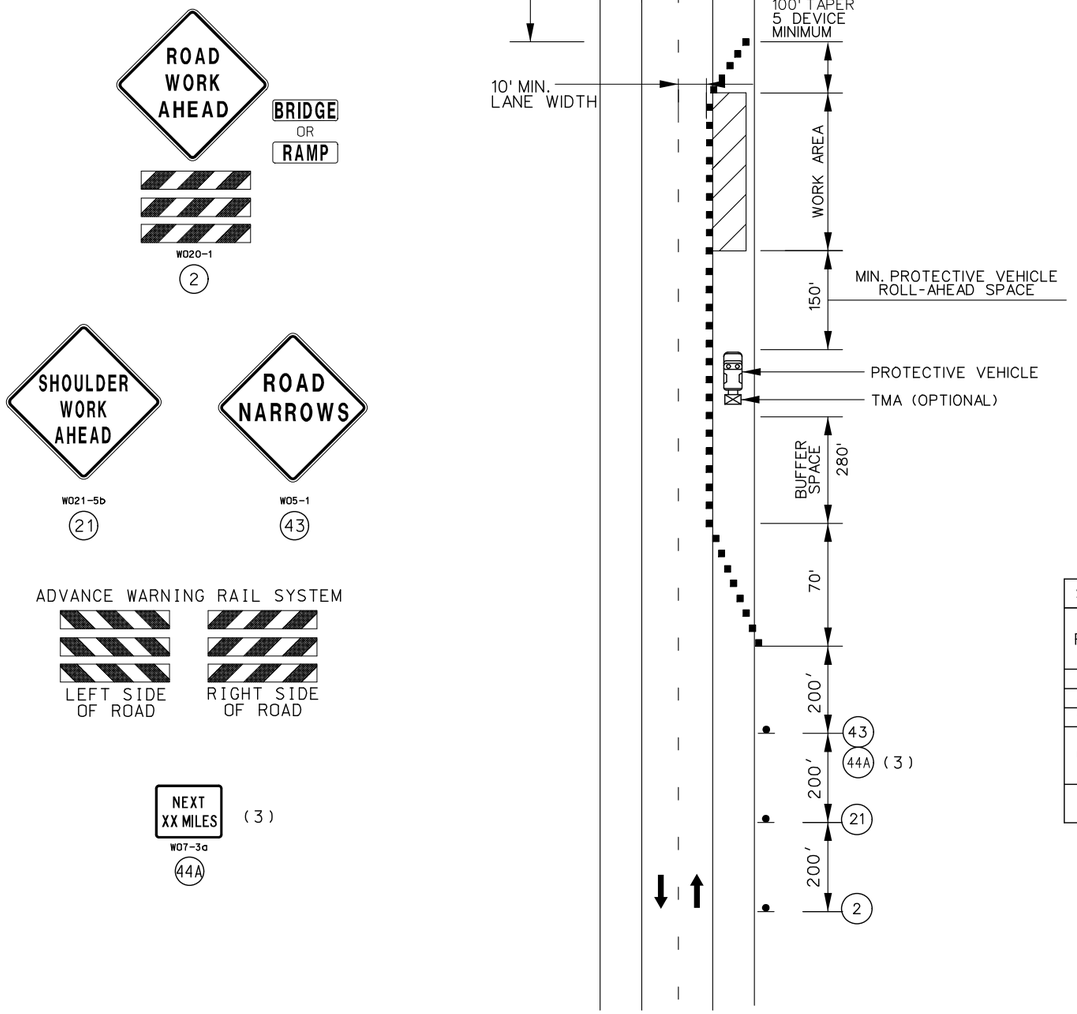
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

REV.



NOTES:

PROVIDE SIGNS ON LEFT AND RIGHT SIDES OF DIVIDED HIGHWAYS.

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

(3) NEXT XX MILES SIGN NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.

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 ROAD WORK IS NOT IN PROGRESS.

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

SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

NOT TO SCALE

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.

SHOULDER WORK WITH MINOR TRAVELWAY ENCROACHMENT DIVIDED AND UNDIVIDED

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- TMA (TRUCK MOUNTED ATTENUATOR)

SHOULDER WORK WITH MINOR ENCROACHMENT

ROUTE 115

TRAFFIC CONTROL SHEET 3 OF 22

JENNIFER L. HUBER NUMBER PE 2022000257
STATE OF MISSOURI PROFESSIONAL ENGINEER
01/25/2024 12:12:20 PM
Jennifer Huber - Civil
MO PE-2022000257

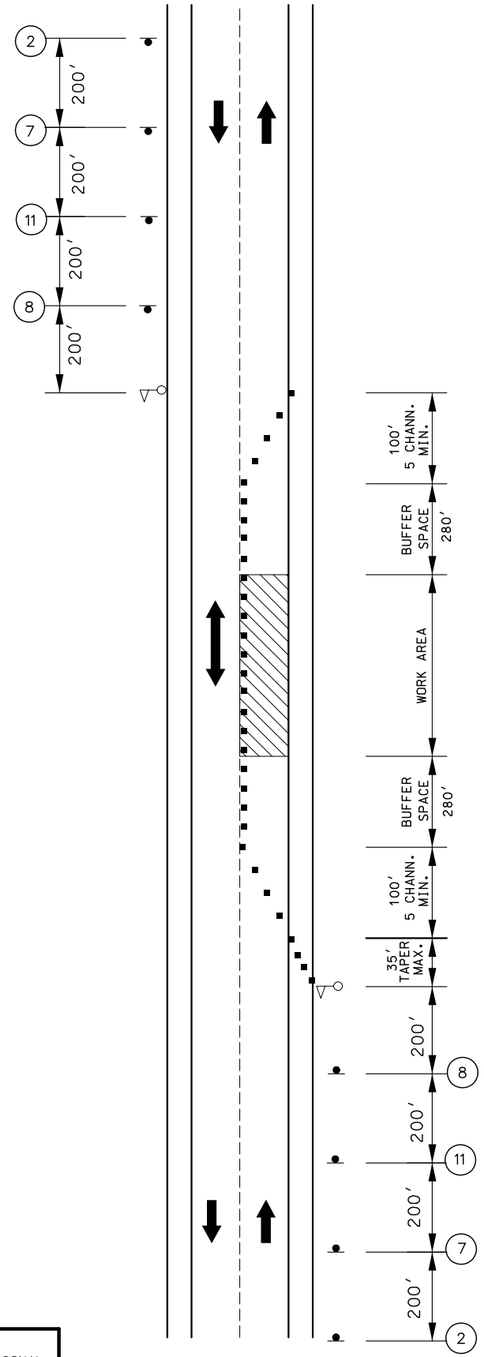
DATE PREPARED 1/25/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 69
COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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)
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

REV.



LANE CLOSURE ON
TWO-LANE ROAD
USING FLAGGERS

NOT TO SCALE

W020-1
(2)

W020-4
(7)

W020-7a
(8)

W03-4
(11)

NOTES:

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

AFAD AND PSFD TYPICAL APPLICATIONS AND CRITERIA ARE LOCATED AT THE FOLLOWING: EPG 616.8.10A (TA-10A) LANE CLOSURE ON TWO-LANE HIGHWAYS USING AUTOMATED FLAGGER ASSISTANCE DEVICE WITH RED AND AMBER SIGNAL SYSTEM & EPG 616.8.10C (TA-10C) LANE CLOSURE ON TWO-LANE HIGHWAYS USING PORTABLE SIGNAL FLAGGING DEVICE.

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

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	-	-	-	280	-	40
40-45	350	-	-	-	400	-	80
50-55	500	-	-	-	560	-	80
60-70	1000	-	-	-	840	-	120
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

TRAFFIC CONTROL LEGEND

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

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

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.

LANE CLOSURE ON
TWO-LANE ROAD
USING FLAGGERS

ROUTE 115

TRAFFIC CONTROL SHEET
4 OF 22

JENNIFER L. HUBER
NUMBER
PE 2022000257
PROFESSIONAL ENGINEER
STATE OF MISSOURI
01/25/2024 12:12:20 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	70

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

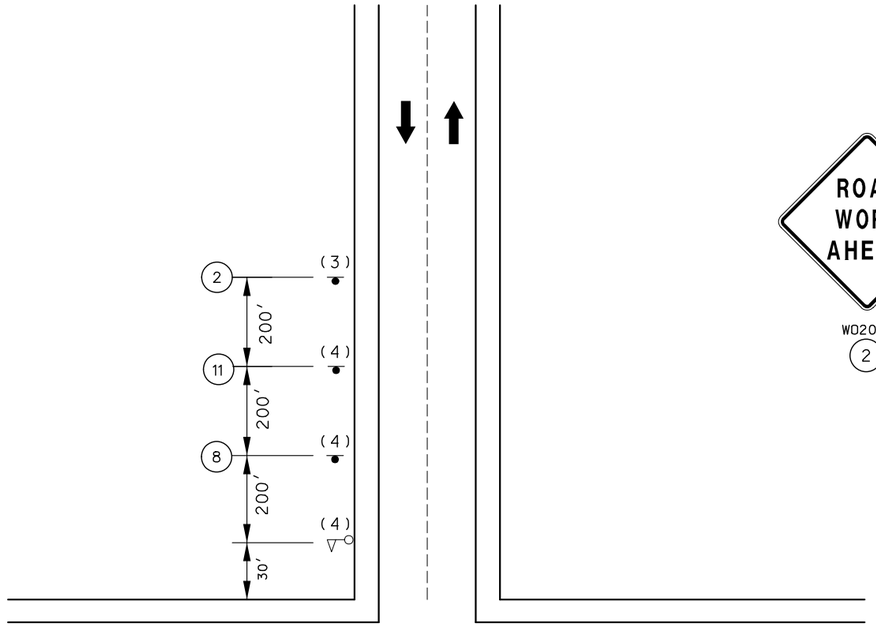
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

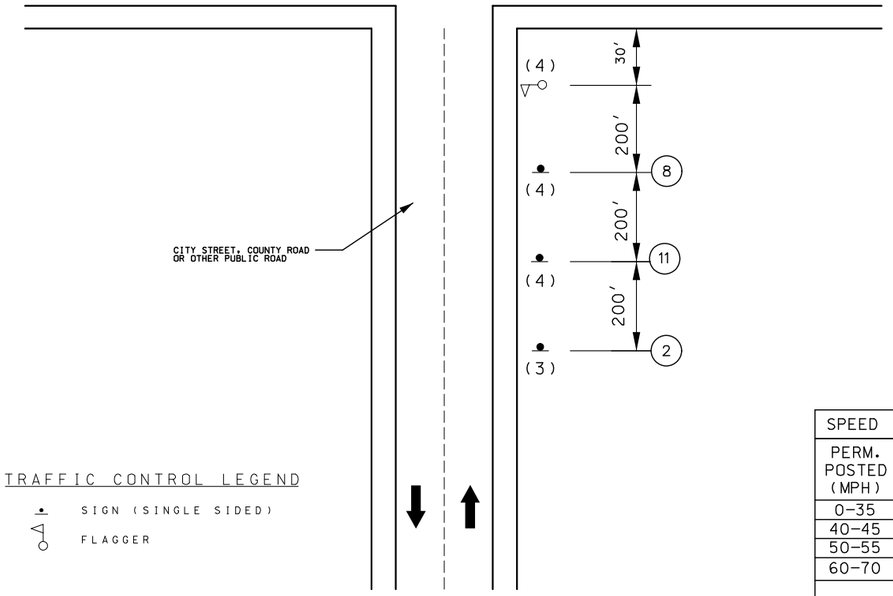
© Copyright CMT, Inc.

REV.

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.



ROAD UNDER CONSTRUCTION
(WITH OR WITHOUT TRAFFIC)



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- FLAGGER

WO20-1
(2)

WO20-7a
(8)

WO3-4
(11)

NOTES:

ADDITIONAL SIGNING MAY BE REQUIRED BASED ON WORK ZONE ACTIVITIES.

(3) ROAD WORK AHEAD SIGN REQUIRED FOR ALL PUBLIC ROAD APPROACHED TO THE WORK ZONE. IF NO FLAGGERS ARE REQUIRED, THEN THE ROAD WORK AHEAD SIGNS ARE LOCATED "S" FEET FROM THE INTERSECTION.

(4) FLAGGER AND SIGNING ONLY REQUIRED WHERE EQUIPMENT IS CROSSING THE ROAD OR OTHER CONDITIONS REQUIRING FLAGGER CONTROL EXIST.

IF RUMBLE STRIPS ARE USED, REVIEW 616.6.87 RUMBLE STRIPS.

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

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	-	70	245	280	35	40
40-45	350	-	150	540	400	40	80
50-55	500	-	185	660	560	50	80
60-70	1000	-	235	840	840	60	120

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

PUBLIC ROAD CROSSING ANOTHER ROAD UNDER CONSTRUCTION

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

NOT TO SCALE

PUBLIC ROAD CROSSING ANOTHER ROAD UNDER CONSTRUCTION

ROUTE 115

TRAFFIC CONTROL SHEET 5 OF 22

STATE OF MISSOURI · JENNIFER L. HUBER NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

01/25/2024 12:12:20 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 1/25/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 71
COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE | REV.

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

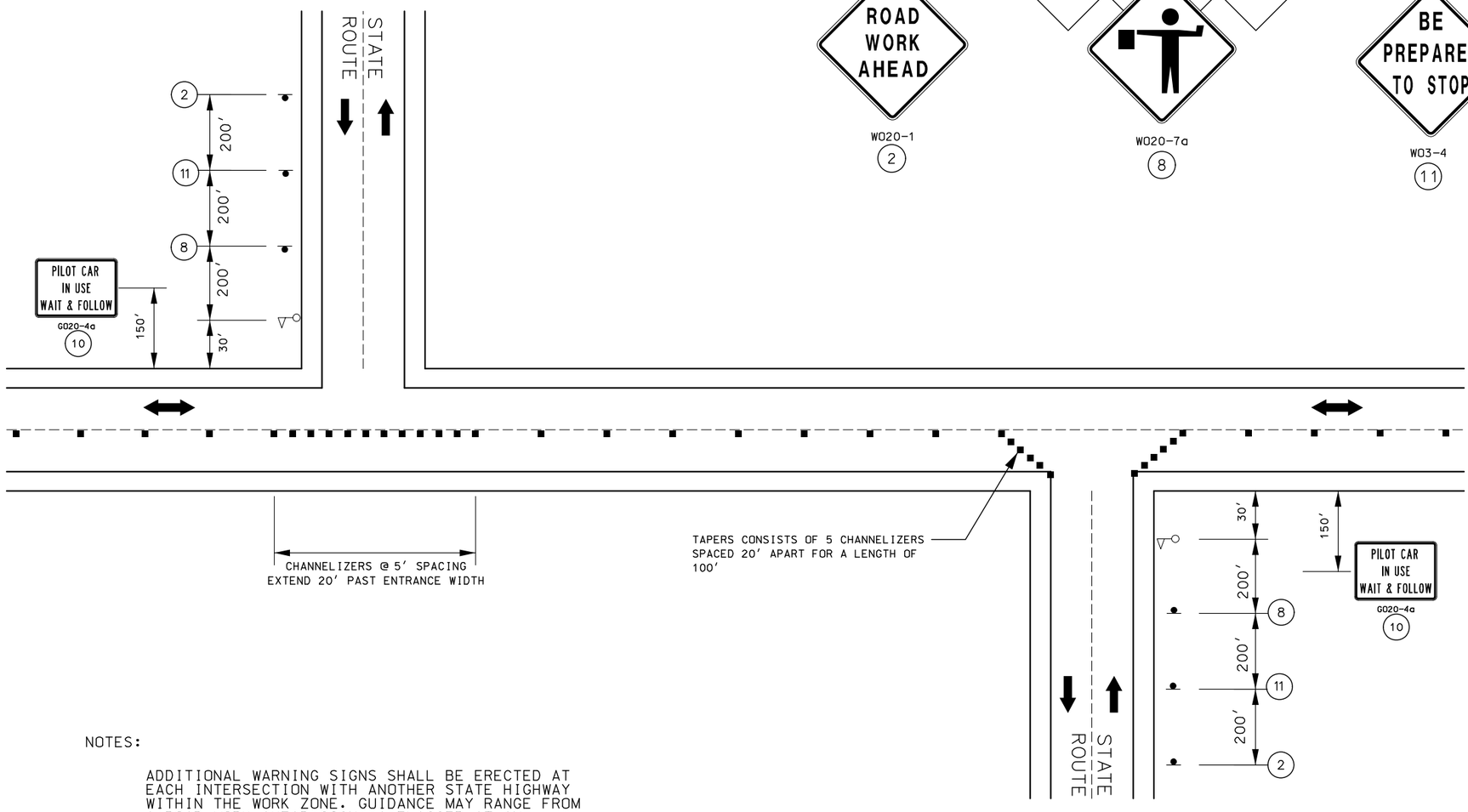
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

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.



W020-1
2

W020-7a
8

W03-4
11

NOTES:

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE. GUIDANCE MAY RANGE FROM A ROAD WORK AHEAD SIGN, A FLAGGER AT AN INTERSECTION, OR USE OF A PILOT CAR.

UPON THE DISCRETION OF THE ENGINEER, ADDITIONAL WARNING SIGNS MAY BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE.

SIDE ROADS ENTERING WORK ZONES

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

SPEED	SIGN SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	SA-1000 SB-1500 SC-2640

TRAFFIC CONTROL LEGEND

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

NOT TO SCALE

SIDE ROADS ENTERING WORK ZONE

ROUTE 115

TRAFFIC CONTROL SHEET 6 OF 22

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:12:20 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
1/25/2024	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	72

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

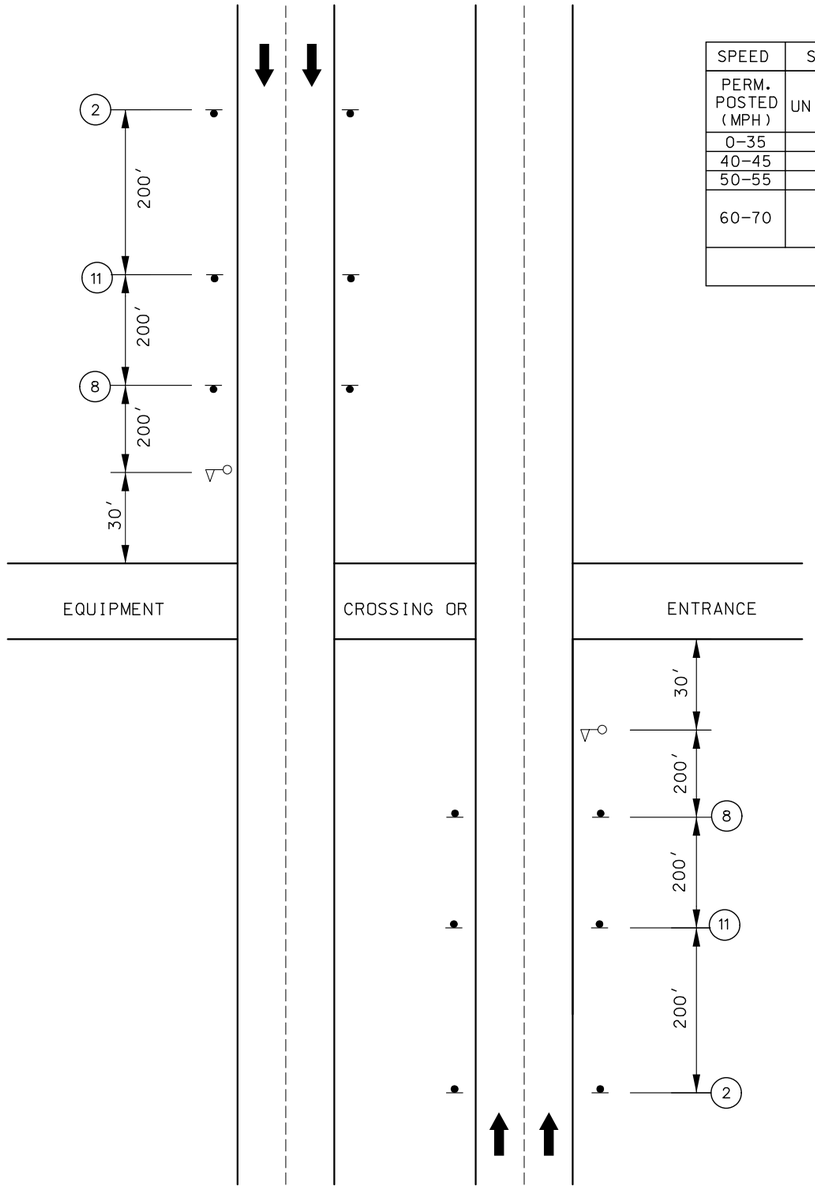
BRIDGE NO.

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

DESCRIPTION	DATE	REV.

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

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631



EQUIPMENT CROSSING OR ENTRANCE ON DIVIDED HIGHWAY
TRUCK AND EQUIPMENT CROSSING OR ENTRANCE

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

NOT TO SCALE

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	-	-	-	-	-
40-45	350	500	-	-	-	-	-
50-55	500	1000	-	-	-	-	-
60-70	1000	SA-1000 SB-1500 SC-2640	-	-	-	-	-

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

W020-1
(2)

W020-7a
(8)

W03-4
(11)

NOTES:

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

WHEN A ROAD USED EXCLUSIVELY AS A HAUL ROAD IS NOT IN USE, THE HAUL ROAD SHALL BE CLOSED WITH TYPE III BARRICADES AND FLAGGER SIGNS COVERED.

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

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- WORK AREA
- FLAGGER

TRUCK AND EQUIPMENT
CROSSING OR ENTRANCE
DIVIDED HIGHWAY

ROUTE 115

TRAFFIC CONTROL SHEET
7 OF 22

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:12:20 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	73

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

DESCRIPTION	DATE

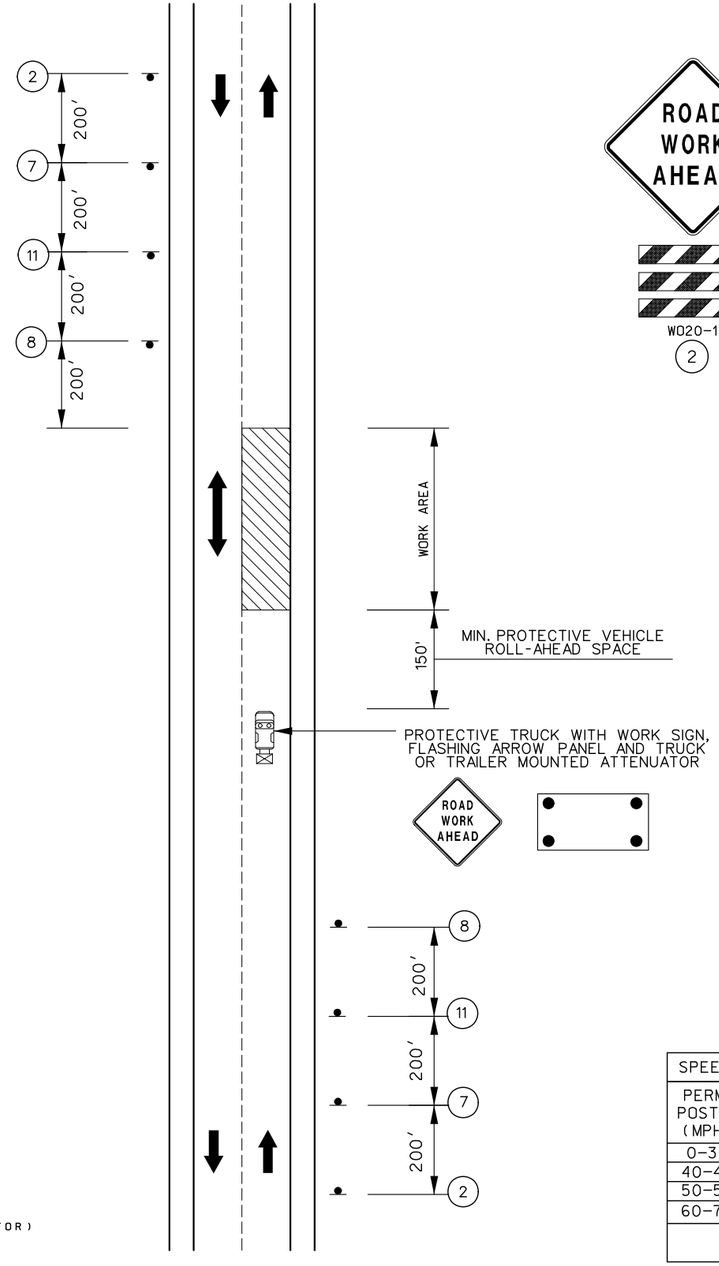
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

REV.

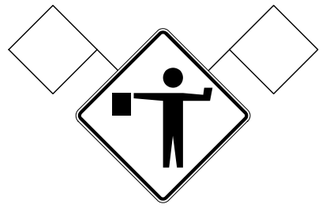


TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- WORK AREA
- TMA (TRUCK MOUNTED ATTENUATOR)

W020-1
(2)

W020-4
(7)



W020-7a
(8)

W03-4
(11)

NOTES:

FLASHING ARROW PANELS SHALL BE OPERATED IN CAUTION MODE.

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

THE FLAGGER POSITION SHOULD BE LOCATED WHERE THEY WILL PROVIDE THE MOST VALUE TO THE MOTORIST AND THE WORK CREW.

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

VEHICLE HAZARD WARNING LIGHTS 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 LEGEND ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	-	-	-	-	-	-
40-45	350	-	-	-	-	-	-
50-55	500	-	-	-	-	-	-
60-70	1000	-	-	-	-	-	-
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

NOT TO SCALE

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.

MOBILE OPERATION ON TWO-LANE HIGHWAYS

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
STATE OF MISSOURI
01/25/2024 12:12:21 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 1/25/2024
ROUTE: 115
STATE: MO
DISTRICT: SL
SHEET NO.: 74
COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

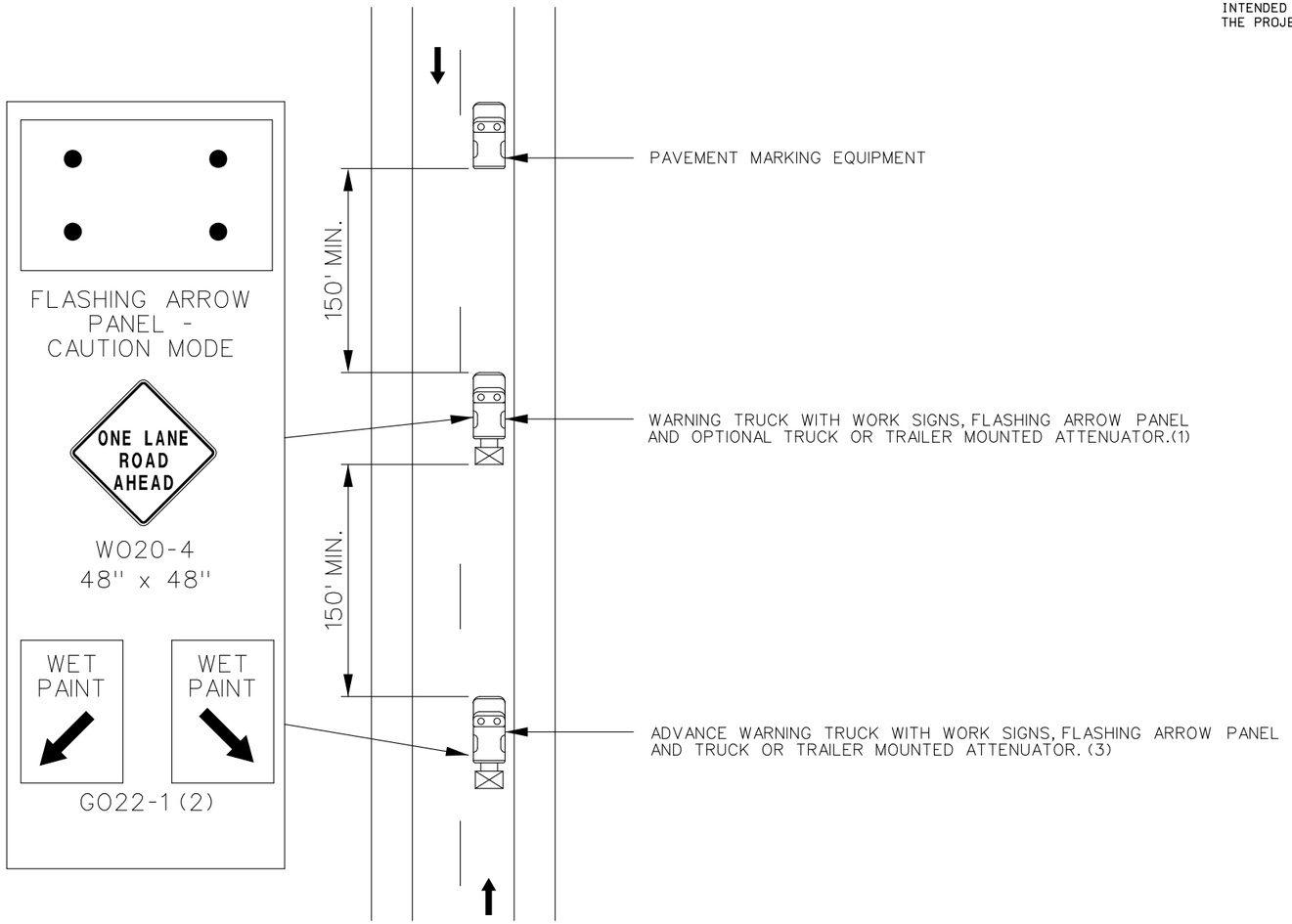
REV.

MOBILE OPERATION ON TWO-LANE HIGHWAYS

ROUTE 115

TRAFFIC CONTROL SHEET
8 OF 22

CENTER LINE / EDGE LINE STRIPING ON TWO-LANE HIGHWAYS



TWO-LANE UNDIVIDED HIGHWAY

NOTES:

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

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

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

(1) TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.

(2) 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.

(3) ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.

NOT TO SCALE

CENTER LINE/ EDGE LINE STRIPING ON TWO-LANE HIGHWAYS

ROUTE 115

TRAFFIC CONTROL SHEET 9 OF 22

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 · JENNIFER L. HUBER NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

01/25/2024 12:12:21 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
1/25/2024	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	75
COUNTY	
ST. LOUIS	
JOB NO.	
J6S3417	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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

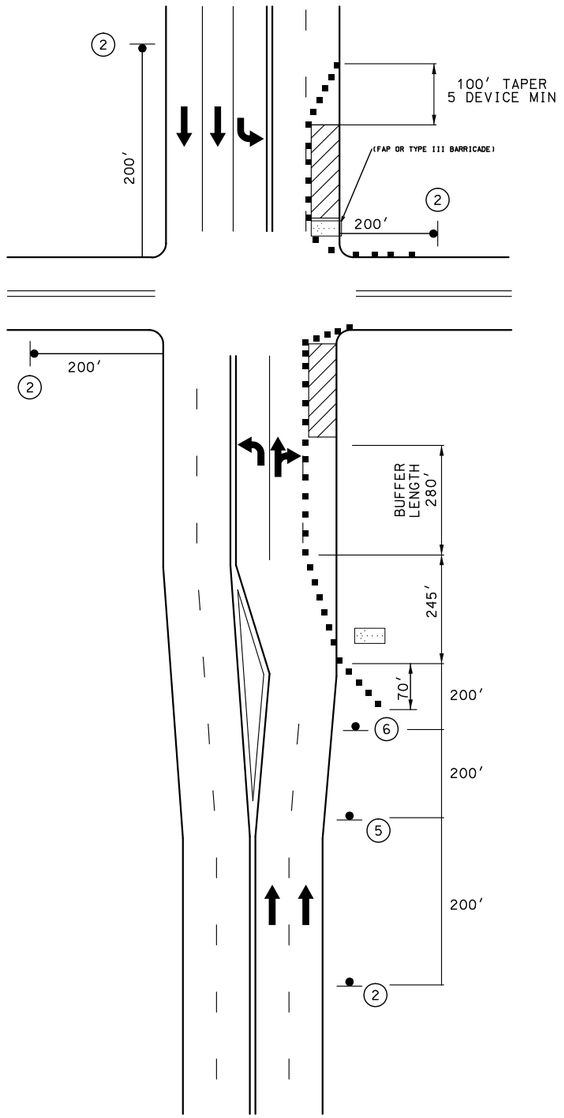
REV.	DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

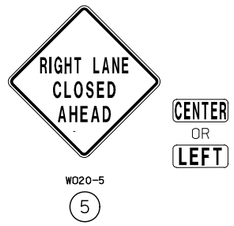
© Copyright CMT, Inc.

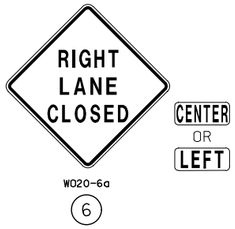
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631



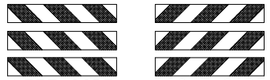
RIGHT LANE CLOSURE AT INTERSECTION
WORK ON NEAR OR FAR SIDE

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.





ADVANCE WARNING RAIL SYSTEM



NOTES:

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

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

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

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

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

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

TRAFFIC CONTROL LEGEND

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

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

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.

NOT TO SCALE

RIGHT LANE CLOSURE
AT INTERSECTION WORK ON
NEAR OR FAR SIDE

ROUTE 115

TRAFFIC CONTROL SHEET
10 OF 22

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
01/25/2024 12:12:21 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	76

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

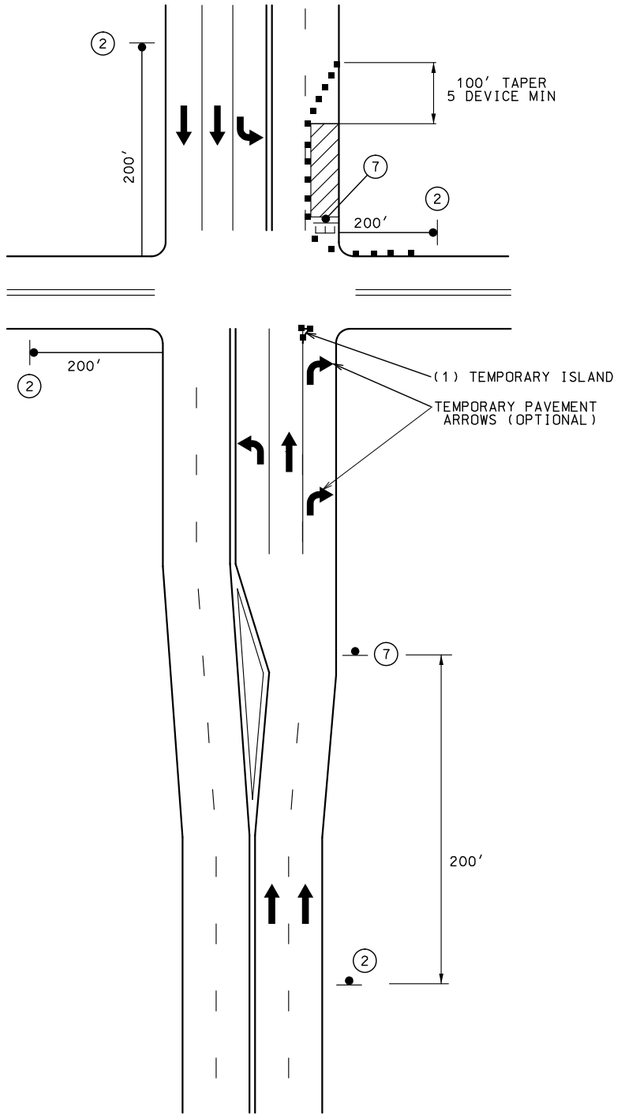
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

REV.



RIGHT LANE CLOSURE AT INTERSECTION
WORK ON FAR SIDE

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

TRAFFIC CONTROL LEGEND

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

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

NOTES:

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

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

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

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

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

NOT TO SCALE

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 · JENNIFER L. HUBER NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

01/25/2024 12:12:21 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 1/25/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 77
COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

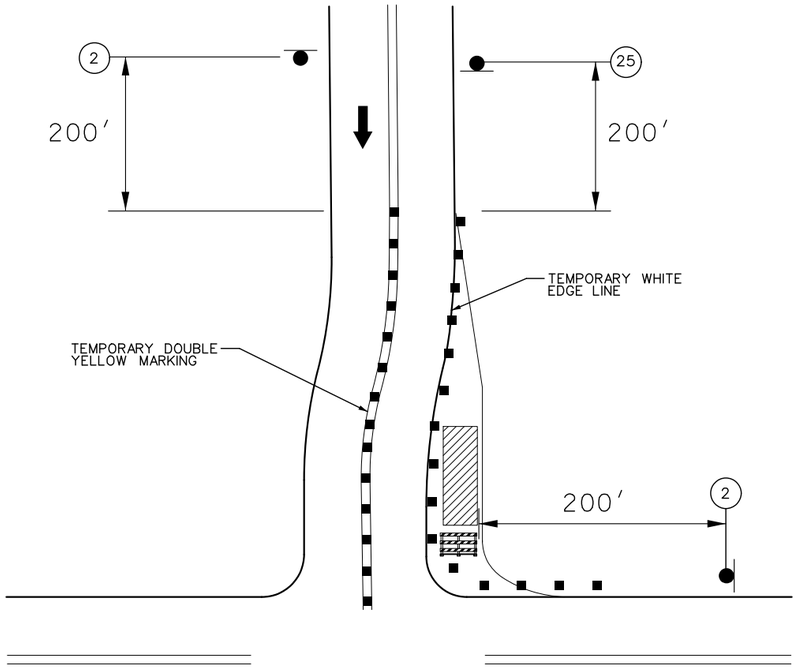
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

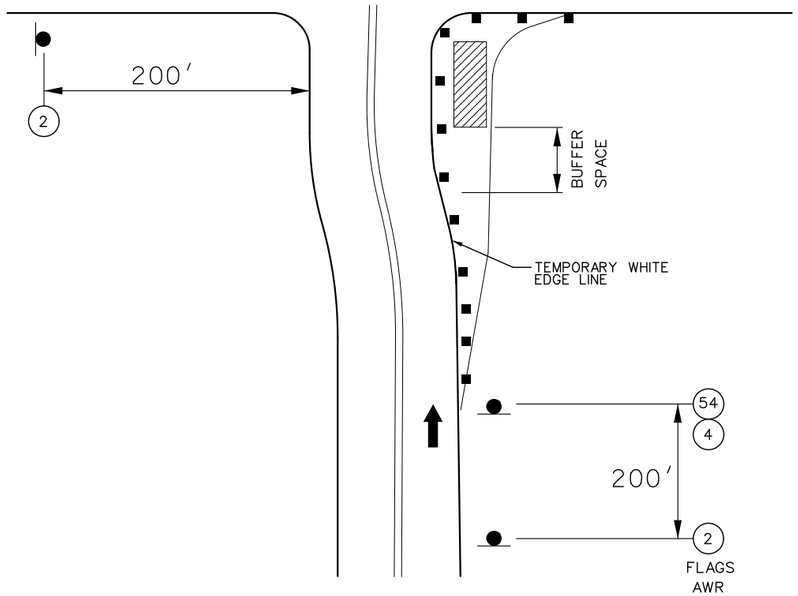
REV.

RIGHT LANE CLOSURE
AT INTERSECTION WORK
ON FAR SIDE

ROUTE 115

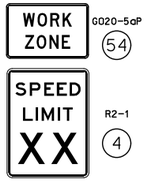
TRAFFIC CONTROL SHEET
11 OF 22

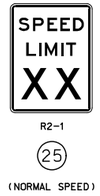




THROUGH LANE
AT INTERSECTION

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.





TRAFFIC CONTROL LEGEND

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

NOTES:

REMOVE AND/OR MODIFY EXISTING OR CONFLICTING PAVEMENT MARKINGS AS NEEDED.

TEMPORARY PAVEMENT MARKINGS REQUIRED WITH LONG TERM CLOSURES.

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

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 MARKING. ALL OTHER SPACING ARE ONE- HALF MARKING.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

THROUGH LANE
AT INTERSECTION

NOT TO SCALE

ROUTE 115

TRAFFIC CONTROL SHEET
12 OF 22

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 · JENNIFER L. HUBER NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

01/25/2024 12:12:21 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	78

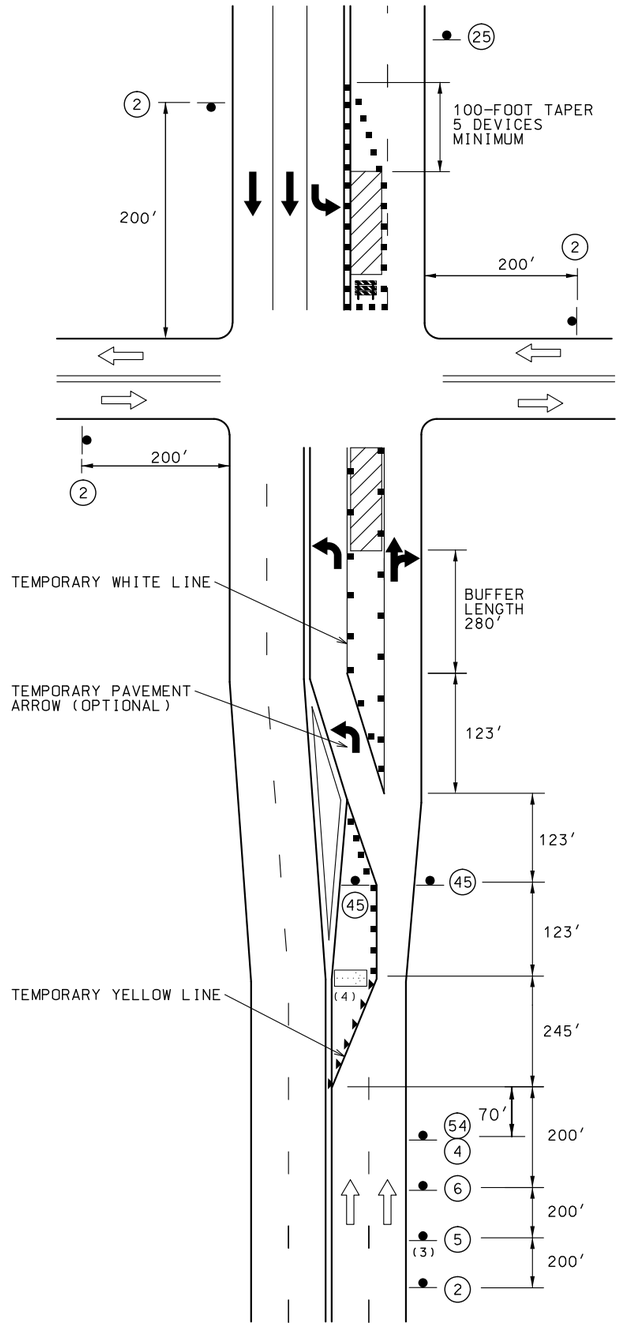
COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

REV.	DESCRIPTION	DATE

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

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631



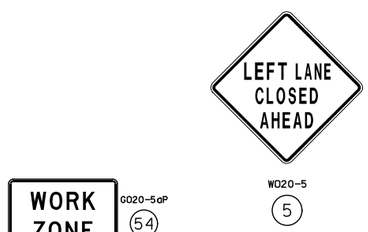
LEFT LANE CLOSURE AT INTERSECTION WORK ON NEAR OR FAR SIDE

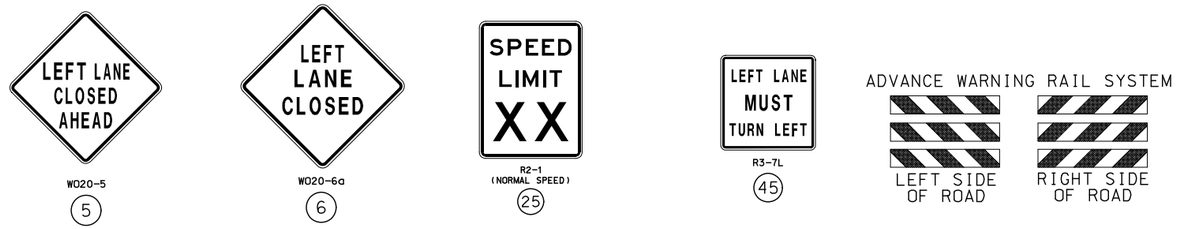
NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120

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

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.





NOTES:

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

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

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

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

FOR FLAGS AND ADVANCED WARNING RAIL SYSTEM, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCE WARNING RAIL SYSTEM.

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

(4) THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (WO20-1) AND ROAD CLOSED AHEAD (WO20-3) SIGNS ON THE MAINLINE ROADWAY.

TRAFFIC CONTROL LEGEND

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

LEFT LAND CLOSURE
AT INTERSECTION WORK
ON NEAR OR FAR SIDE

NOT TO SCALE

ROUTE 115

TRAFFIC CONTROL SHEET
13 OF 22

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:12:21 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	79

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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

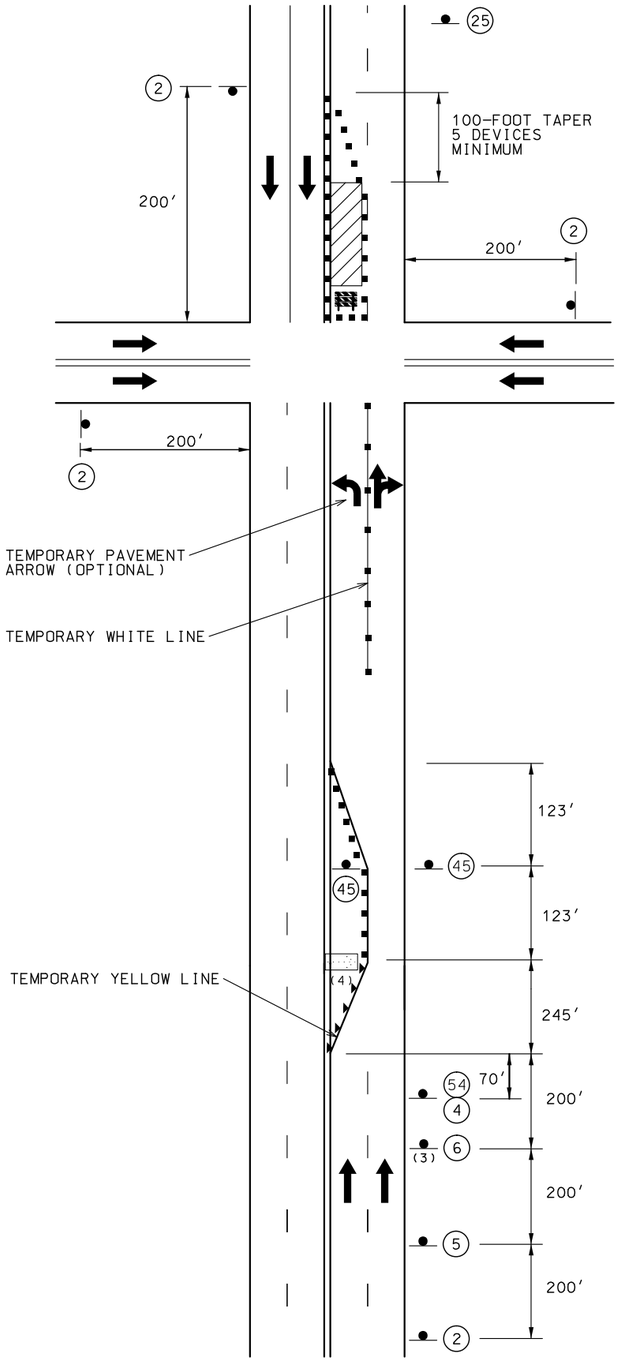
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

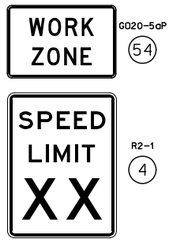


LEFT LANE CLOSURE AT INTERSECTION
WORK ON FAR SIDE

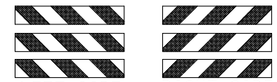
NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

TRAFFIC CONTROL LEGEND

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



ADVANCE WARNING RAIL SYSTEM



NOTES:

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

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

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

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

PAVEMENT MARKING AND BARRICADES OPTIONAL FOR SHORT TERM OPERATIONS.

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

(4) THE FLASHING ARROW BOARD SHOULD BE LOCATED AT THE BEGINNING OF THE MERGING TAPER WHEN MEDIAN WIDTH ALLOWS THIS PLACEMENT.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	200	70	245	280	35	40
40-45	350	500	150	540	400	40	80
50-55	500	1000	185	660	560	50	80
60-70	1000	SA-1000 SB-1500 SC-2640	235	840	840	60	120

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

NOT TO SCALE

LEFT LANE CLOSURE
AT INTERSECTION WORK
ON FAR SIDE

ROUTE 115

TRAFFIC CONTROL SHEET
14 OF 22

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 · JENNIFER L. HUBER · NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

01/25/2024 12:12:21 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	80

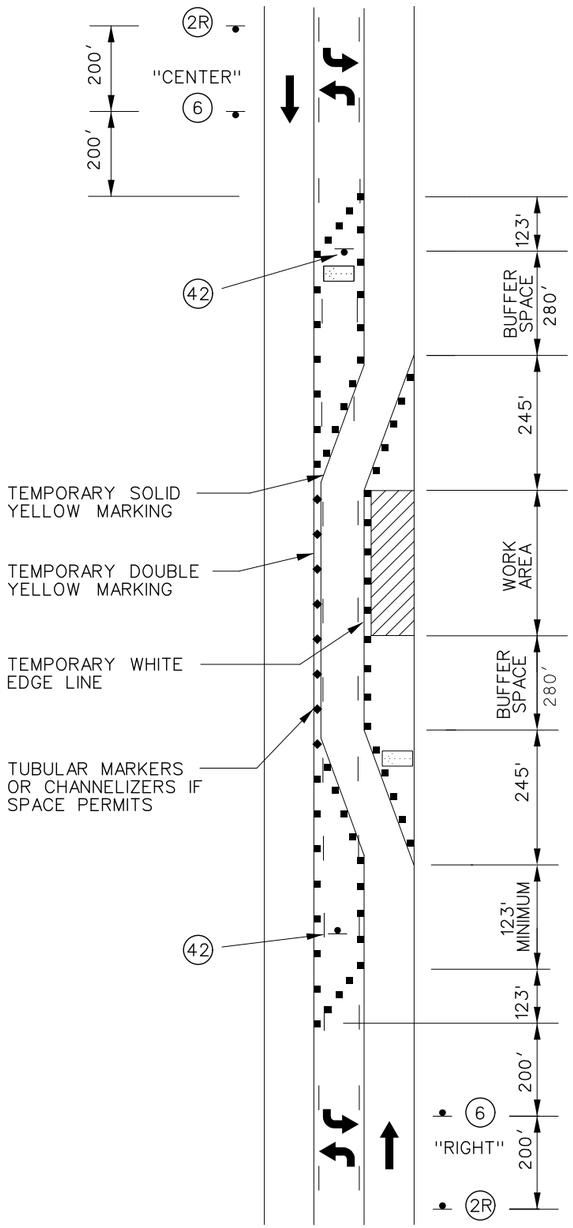
COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

REV.	DESCRIPTION	DATE

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

CMT
ENGINEERING CORPORATION - 000631
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
©Copyright CMT, Inc.



LANE CLOSURE
USING CENTER TURN LANE
LANE SHIFT

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

W020-1
2R

W020-6a
6

W020-6a
6

R4-7a
42

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- DIRECTIONAL INDICATOR BARRICADE (DIB)
- CHANNELIZER (TRIM-LINE)
- CHANGEABLE MESSAGE SIGN
- FLASHING ARROW PANEL
- WORK AREA
- TMA (TRUCK MOUNTED ATTENUATOR)

NOTES:

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

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

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	-	70	245	280	35	40
40-45	350	-	150	540	400	40	80
50-55	500	-	185	660	560	50	80
60-70	1000	-	235	840	840	60	120
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

LANE CLOSURE USING
CENTER TURN LANE
LANE SHIFT

NOT TO SCALE

ROUTE 115

TRAFFIC CONTROL SHEET
15 OF 22

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:12:21 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	81

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

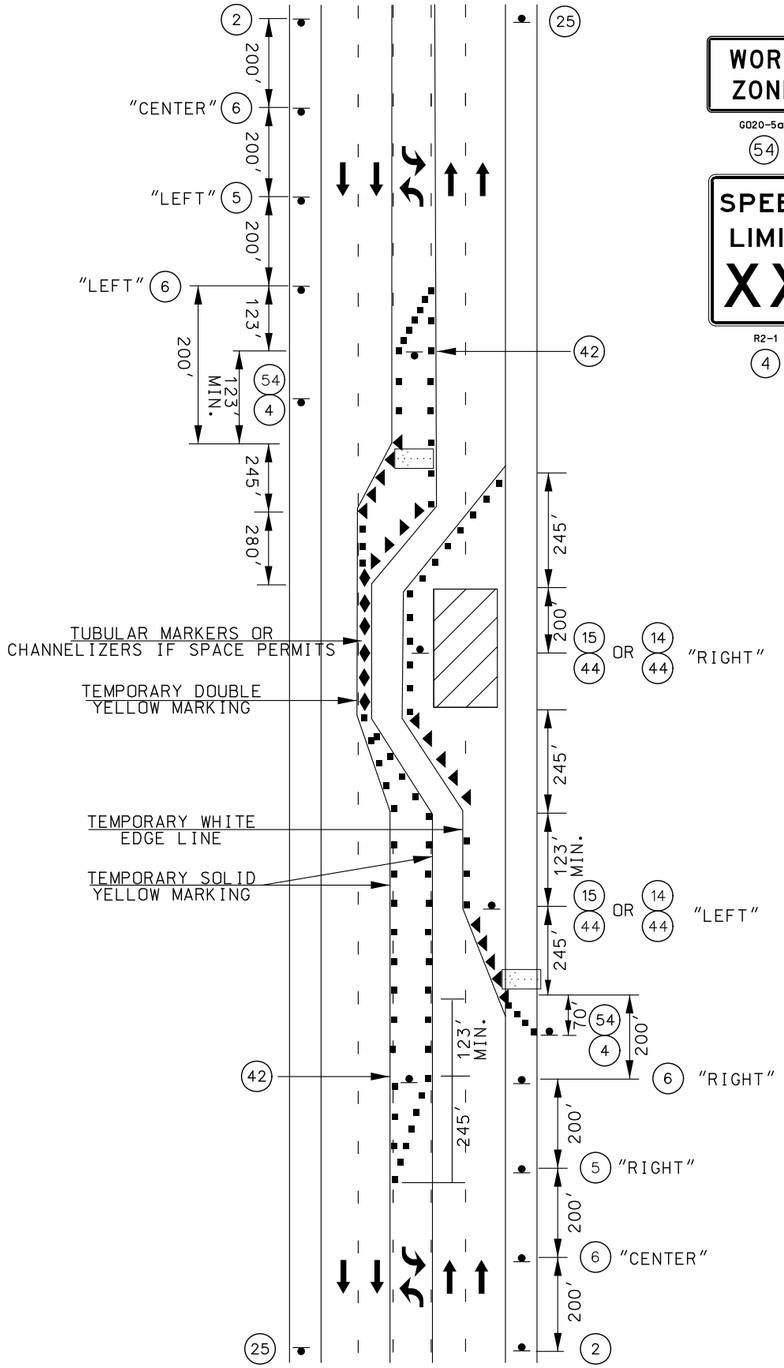
DATE	DESCRIPTION	REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

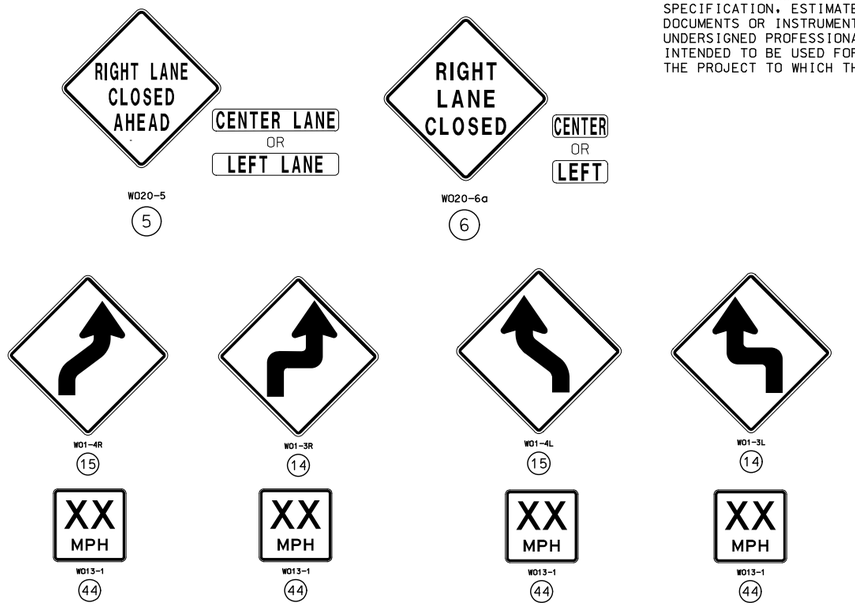
CMT
ENGINEERING CORPORATION - 000631
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
© Copyright CMT, Inc.



TWO-LANE CLOSURE ON A 5-LANE UNDIVIDED HIGHWAYS

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

NORMAL SPEED



NOTES:

PAVEMENT MARKINGS NO LONGER APPLICABLE SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICAL.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

FOR SHORT TERM OPERATIONS WHERE IT IS NOT FEASIBLE TO MODIFY PAVEMENT, A 10-FEET DEVICE SPACING IS USED IN THE SHIFTING TAPERS AND WHERE TRAFFIC IS GUIDED ACROSS OTHER CONFLICTING PAVEMENT MARKING, ALL OTHER SPACINGS ARE ONE-HALF OF THE SPACING

(4) ADVISORY SPEED (XX MPH) PLAQUE IS ONLY REQUIRED WHERE FULL LENGTH SHIFTING TAPERS CANNOT BE PROVIDED.

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UNDIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	200	–	70	245	280	35	40
40-45	350	–	150	540	400	40	80
50-55	500	–	185	660	560	50	80
60-70	1000	–	235	840	840	60	120

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

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER (TRIM-LINE)
- TUBULAR MARKER
- DIRECTIONAL INDICATOR BARRICADE
- WORK AREA
- FLASHING ARROW PANEL
- ADVANCE WARNING RAIL SYSTEM

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

NOT TO SCALE

ROUTE 115

TRAFFIC CONTROL SHEET 16 OF 22

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 · JENNIFER L. HUBER · NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

01/25/2024 12:12:21 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	82

COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

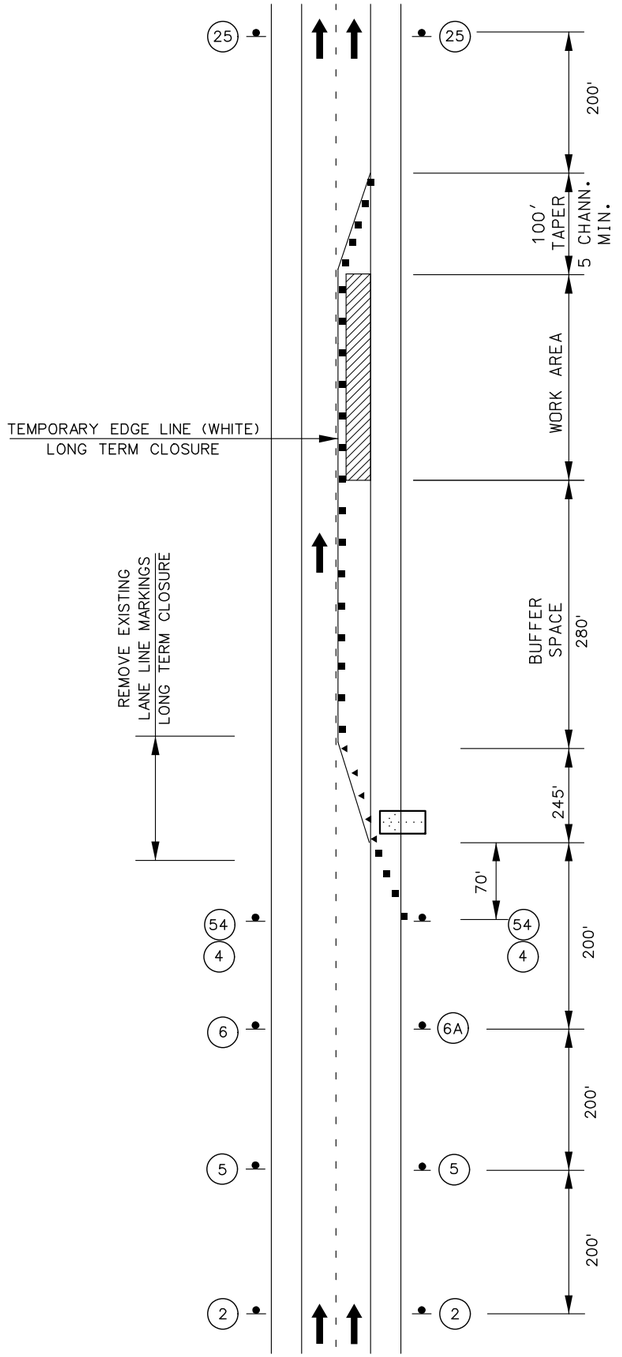
DESCRIPTION | DATE

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)

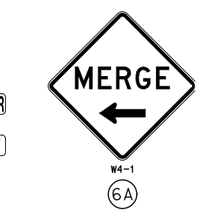
© Copyright CMT, Inc.
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

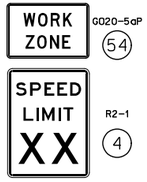
REV.

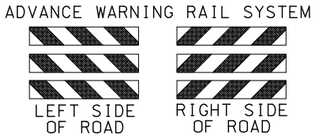


STATIONARY LANE CLOSURE
ON A DIVIDED HIGHWAY

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.







TRAFFIC CONTROL LEGEND

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

NOTES:

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

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

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

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

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	-	200	70	245	280	35	40
40-45	-	500	150	540	400	40	80
50-55	-	1000	185	660	560	50	80
60-70	-	SA-1000 SB-1500 SC-2640	235	840	840	60	120
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

STATIONARY LANE CLOSURE
ON A DIVIDED HIGHWAY

NOT TO SCALE

ROUTE 115

TRAFFIC CONTROL SHEET
17 OF 22

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:12:21 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	83

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

REV.	DESCRIPTION	DATE

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

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

NOTES:

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

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

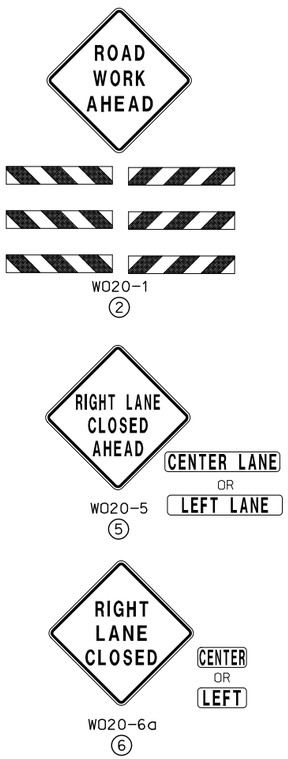
VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

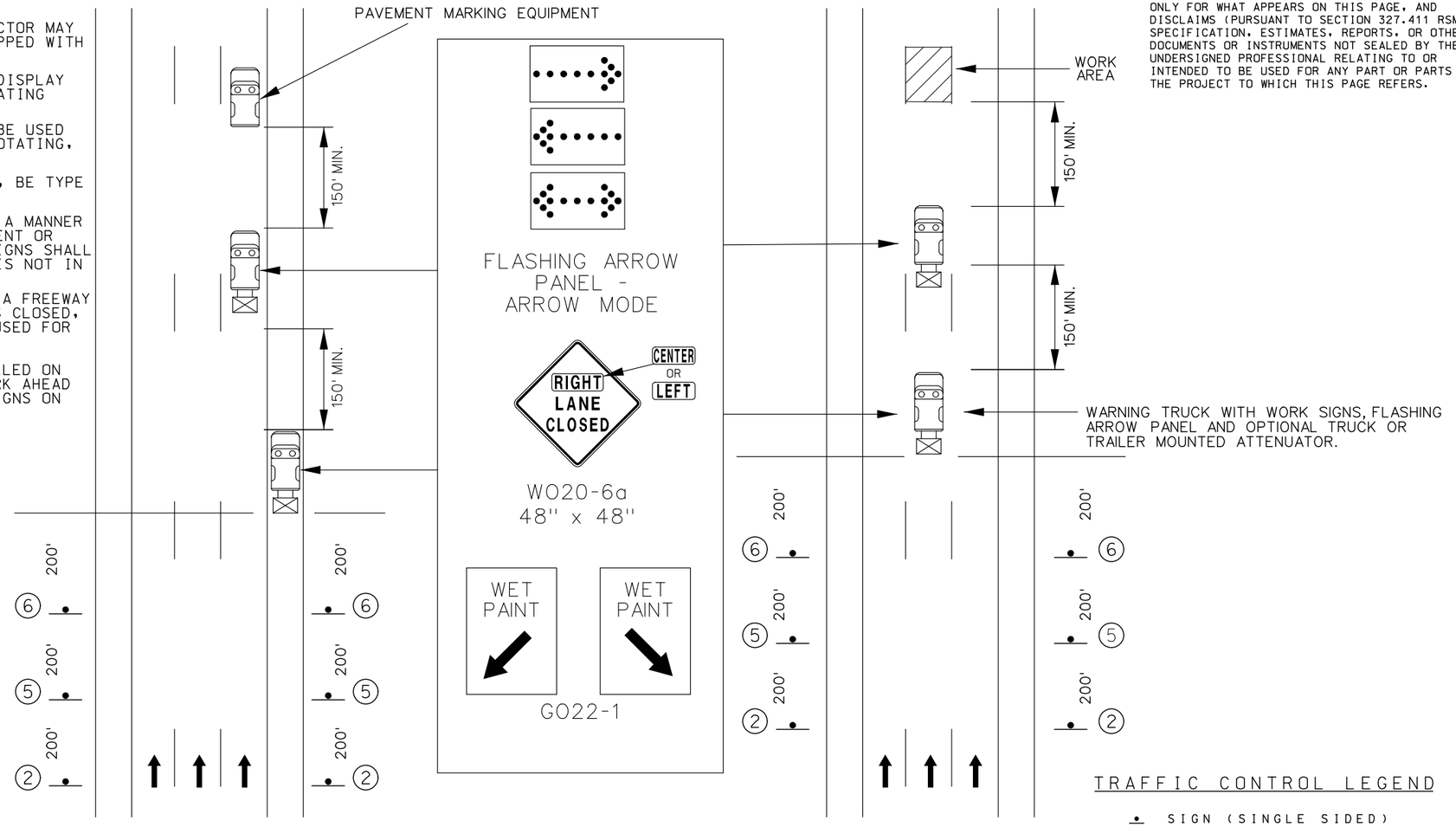
FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

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

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

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.





RIGHT OR LEFT LANE

INTERIOR LANE

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
Normal Posted (mph)	Undivided (S)	Divided (S)	Shoulder (1) (T1)	Lane (2) (T2)	BUFFER LENGTH (ft.) (B)	Tapers	Buffer/ Work Areas
0-35		200					
40-45		500					
50-55		1000					
60-70	SA - 1000, SB - 1500, and SC - 2640						
1. Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

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.

TRAFFIC CONTROL LEGEND

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

MOBILE OPERATION ON DIVIDED OR MULTI-LANE HIGHWAYS

NOT TO SCALE

ROUTE 115

TRAFFIC CONTROL SHEET
18 OF 22

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:12:21 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	84

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

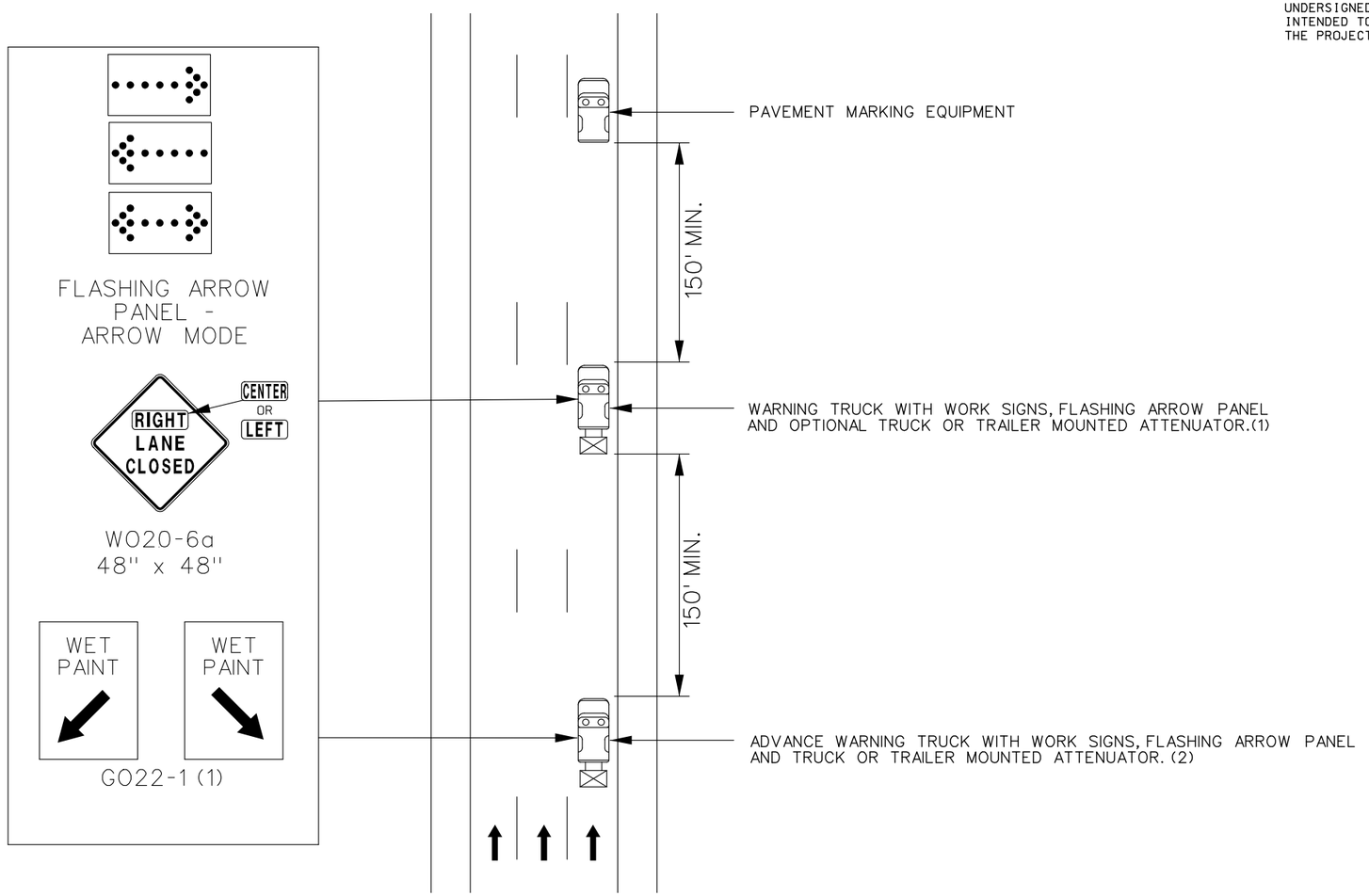
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

CENTER LINE AND OR LANE LINE STRIPING ON MULTI-LANE DIVIDED HIGHWAYS



MULTI-LANE DIVIDED HIGHWAY

NOTES:

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

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

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

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

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

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

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

NOT TO SCALE

CENTER LINE / LANE LINE STRIPING ON MULTI-LANE UNDIVIDED HIGHWAYS

ROUTE 115

TRAFFIC CONTROL SHEET 19 OF 22

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.

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI PROFESSIONAL ENGINEER
01/25/2024 12:12:21 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 1/25/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 85
COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

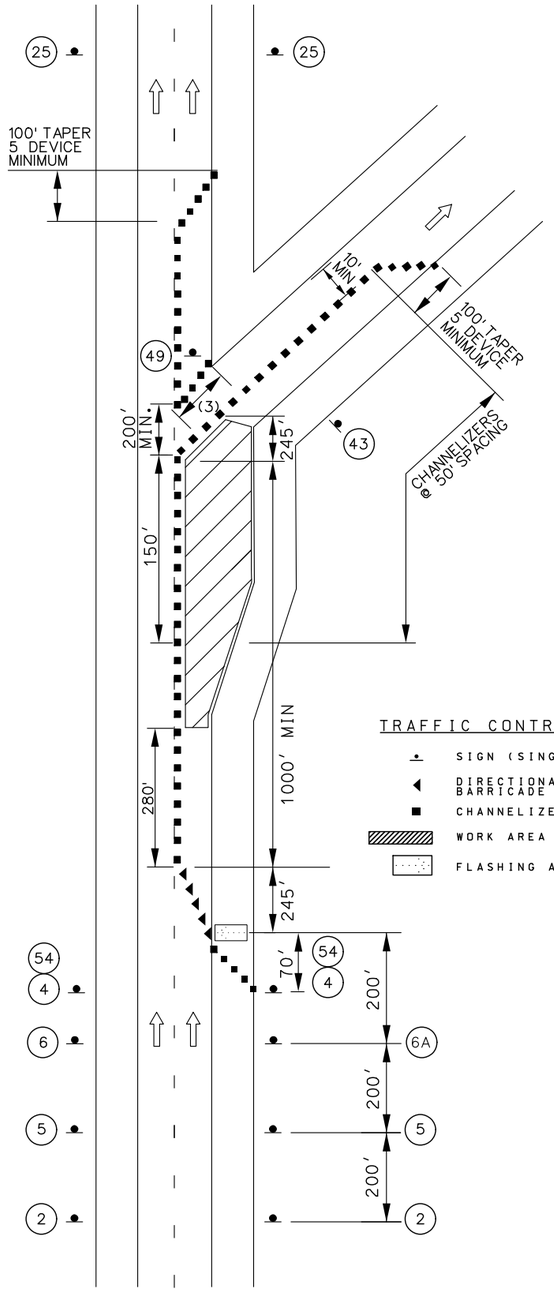
IF A SEAL IS PRESENT ON THIS SHEET IT HAS been ELECTRONICALLY SEALED AND DATED.

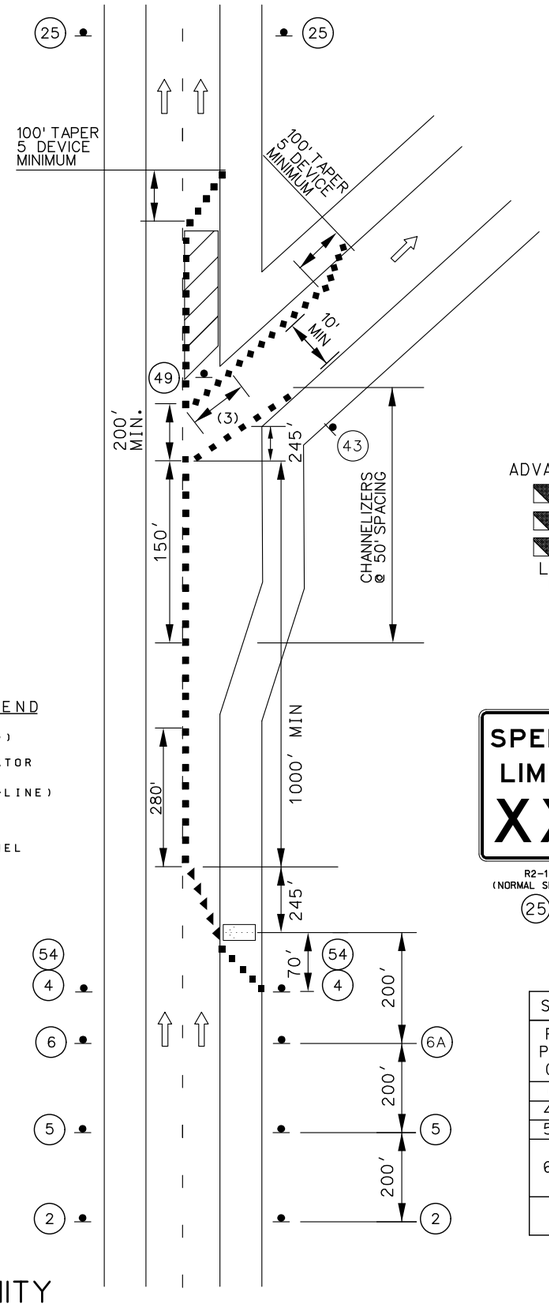
REV.	DESCRIPTION	DATE

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.





WORK IN THE VICINITY OF AN EXIT RAMP

NOT TO SCALE

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

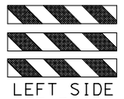
W04-1a
6A

W020-1
2

W020-6a
6

W020-5
5

ADVANCE WARNING RAIL SYSTEM



LEFT SIDE OF ROAD

RIGHT SIDE OF ROAD

G020-5aP
54

R2-1
4

W05-1
43

E05-1
49

R2-1
(NORMAL SPEED)
25

NOTES:

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

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED

(3) 5 CHANNELIZER DEVICES MINIMUM

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	-	200	70	245	280	35	40
40-45	-	500	150	540	400	40	80
50-55	-	1000	185	660	560	50	80
60-70	-	SA-1000 SB-1500 SC-2640	235	840	840	60	120
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

WORK IN THE VICINITY OF AN EXIT RAMP

ROUTE 115

TRAFFIC CONTROL SHEET 20 OF 22

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 · JENNIFER L. HUBER NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

01/25/2024 12:12:22 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	86

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

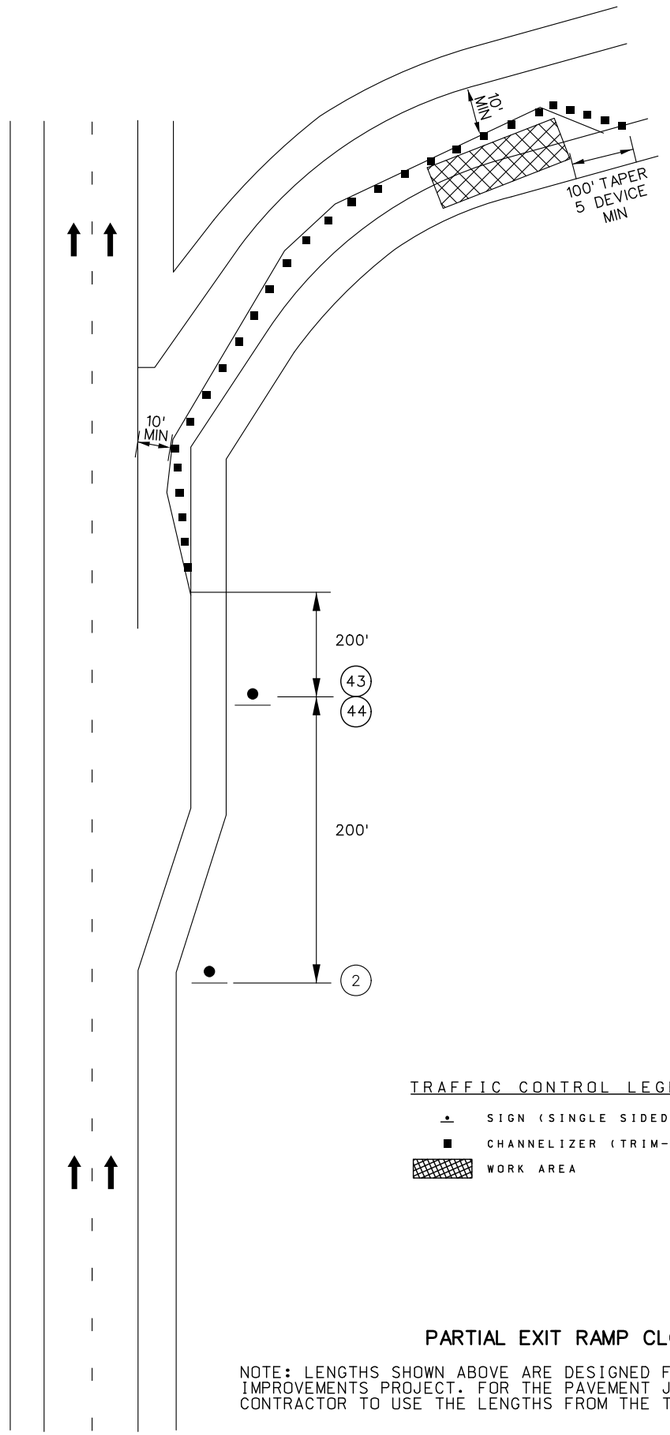
REV.	DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.



TRAFFIC CONTROL LEGEND

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

NOT TO SCALE

NOTES:

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

TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED

THE ADVANCED WARNING RAIL SYSTEM IS INSTALLED ON THE ACTIVE FIRST OCCURANCE OF THE ROAD WORK AHEAD (W020-1) AND ROAD CLOSED AHEAD (W020-3) SIGNS ON THE MAINLINE ROADWAY.

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
PERM. POSTED (MPH)	UN -DIVIDED (S)	DIVIDED (S)	SHOULDER (1) (T1)	LANE (2) (T2)	BUFFER LENGTH (ft) (B)	TAPERS	BUFFER/ WORK AREAS
0-35	-	200	70	245	280	35	40
40-45	-	500	150	540	400	40	80
50-55	-	1000	185	660	560	50	80
60-70	-	SA-1000 SB-1500 SC-2640	235	840	840	60	120
1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.							

PARTIAL EXIT RAMP CLOSURE

NOTE: LENGTHS SHOWN ABOVE ARE DESIGNED FOR 35 MPH WITHIN THE IMPROVEMENTS PROJECT. FOR THE PAVEMENT JOINT REPAIR PROJECT, CONTRACTOR TO USE THE LENGTHS FROM THE TABLE FOR 40-45 MPH.

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 · JENNIFER L. HUBER NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

01/25/2024 12:12:22 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	87

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

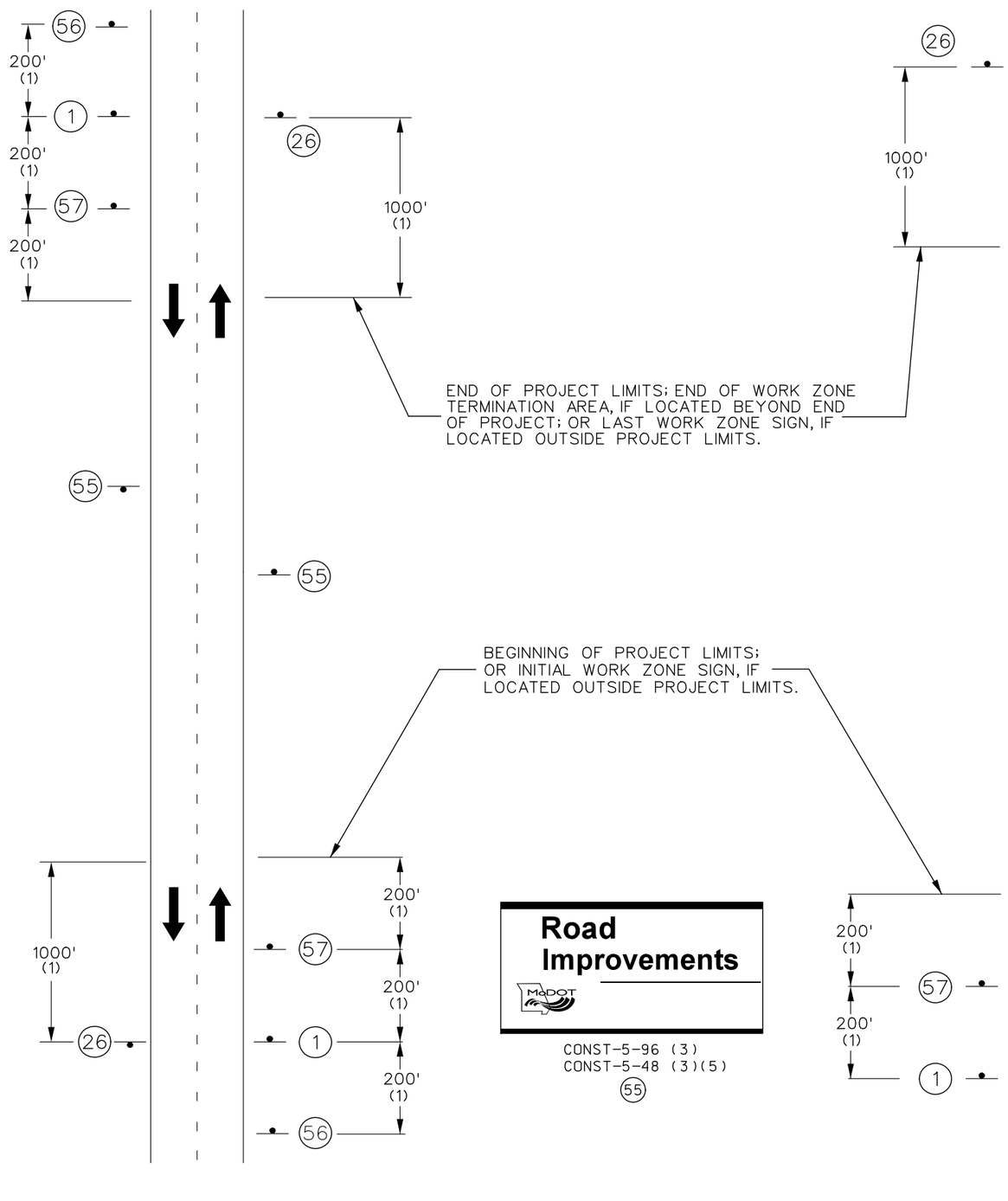
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

PARTIAL EXIT RAMP CLOSURE

ROUTE 115

TRAFFIC CONTROL SHEET
21 OF 22



NOT TO SCALE

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.

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

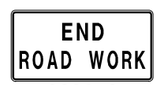
(3) CONST-5-96 OR CONST-5-48 SIGN IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-72 OR CONST-7-48.

(4) THE "RATE OUR WORK ZONE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. THE 48 IN. X 24 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 LIGHTS OF WAY FOR A SIX FOOT WIDE SIGN. THE 72 IN. X 36 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS, BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. x 24 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(5) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. 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 RIGHTS OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96 IN. 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.

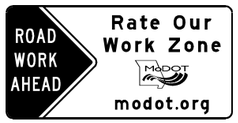
(6) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

G020-1
(1)



G020-2
(26)

SPECIAL (6)
(57)



CONST-7-72 (2)
CONST-7-48 (2)(4)
(56)

BEGIN/END PROJECT SIGNING

ROUTE 115

TRAFFIC CONTROL SHEET
22 OF 22

JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
STATE OF MISSOURI

01/25/2024 12:12:22 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	88

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SCALE

0 20 40 60

EROSION CONTROL LEGEND

- SILT FENCE
- (C) CURB INLET CHECK
- (A) ALTERNATIVE DITCH CHECK
- (R) ROCK DITCH CHECK

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 · JENNIFER L. HUBER NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

Jennifer Huber

02/28/2024 11:02:02 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
2/28/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	89

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

MATCHLINE ROUTE 115 STA 7+50.00

STA. 3+51.15 RTE 115 = STA 10+00.00 ENGLER

BEGIN PROJECT STA. 2+95.95

℄ RTE 115

CURB INLET CHECK STA. 5+04

STA. 6+24.54 RTE 115 = STA 10+00.00 SB RAMP 170

CURB INLET CHECK STA.6+60

SILT FENCE 189 LF

SILT FENCE 54 LF

EXIST. R/W

℄ ENGLER AVE

℄ BOLBECHER RD

STA. 11+84.77 ENGLER = STA 10+00.00 BOLBECHER

℄ SB I-170 RAMPS

ROUTE 115

EROSION CONTROL
SHEET 1 OF 12

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.

SCALE
0 20 40 60

EROSION CONTROL LEGEND

- SILT FENCE
- (C) CURB INLET CHECK
- (A) ALTERNATIVE DITCH CHECK
- (R) ROCK DITCH CHECK

MATCHLINE 7+50.00
ROUTE 115

MATCHLINE 12+50.00
ROUTE 115

10

CURB INLET CHECK
STA.8+15

CURB INLET CHECK
STA. 8+26

CURB INLET CHECK
STA. 8+27

CURB INLET CHECK
STA. 9+41

CURB INLET CHECK
STA. 9+91

℄ RTE. 115

SILT FENCE 181 LF

CURB INLET CHECK AT
SIDEWALK TRENCH DRAIN
STA. 10+85

SILT FENCE 318 LF

ROUTE 115

EROSION CONTROL
SHEET 2 OF 12

JENNIFER L. HUBER
NUMBER PE-2022000257
STATE OF MISSOURI
PROFESSIONAL ENGINEER

02/28/2024 11:02:02 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
2/28/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	90

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

© Copyright CMT, Inc.

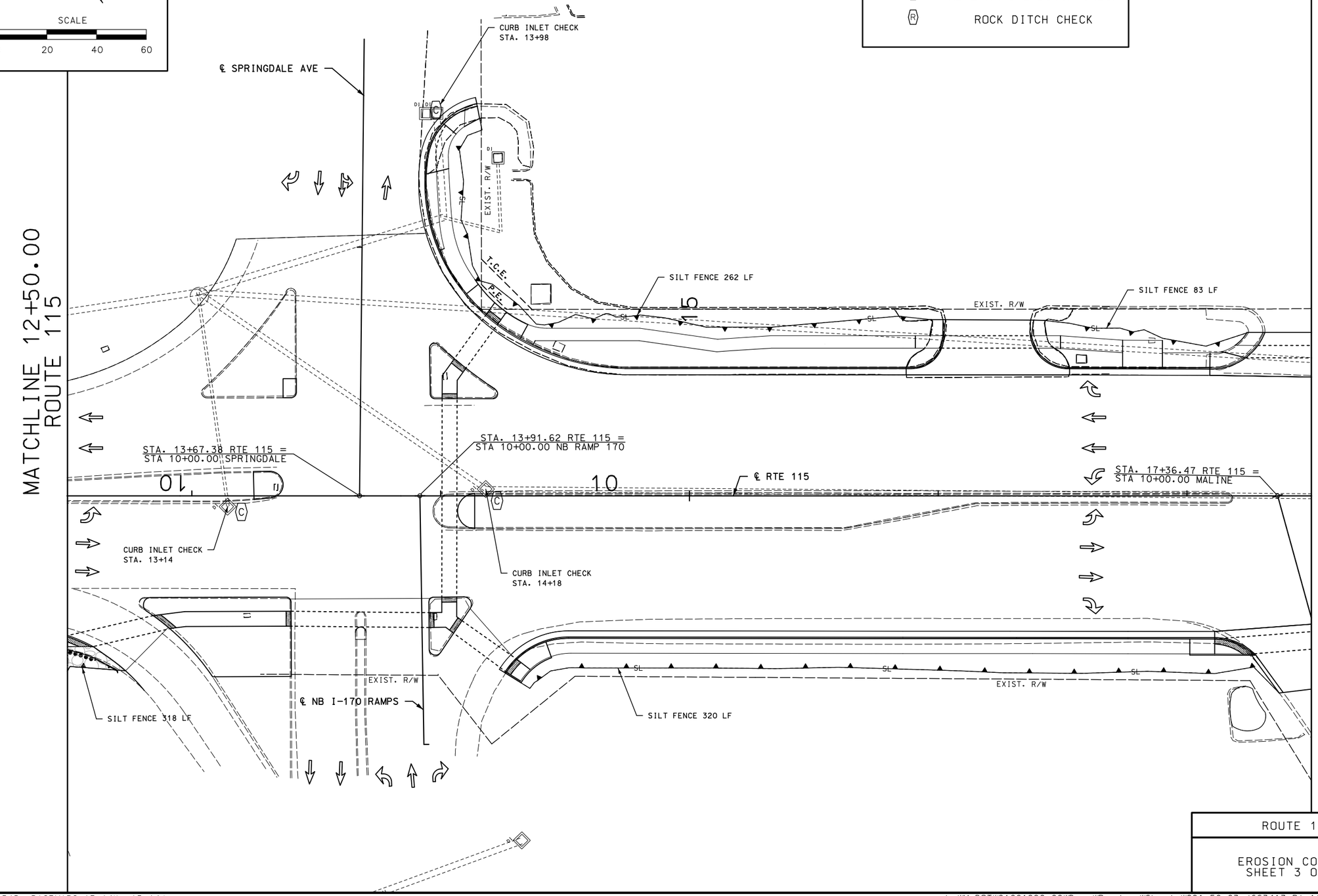
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

EROSION CONTROL LEGEND

- SILT FENCE
- (C) CURB INLET CHECK
- (A) ALTERNATIVE DITCH CHECK
- (R) ROCK DITCH CHECK

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.



ROUTE 115

EROSION CONTROL
SHEET 3 OF 12

JENNIFER L. HUBER NUMBER PE-2022000257 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
02/28/2024 11:02:02 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 2/28/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 91
COUNTY ST. LOUIS
JOB NO. J6S3417
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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

SCALE
0 20 40 60

EROSION CONTROL LEGEND

- SILT FENCE
- (C) CURB INLET CHECK
- (A) ALTERNATIVE DITCH CHECK
- (R) ROCK DITCH CHECK

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.

MATCHLINE 17+50.00 ROUTE 115

MATCHLINE 22+50.00 ROUTE 115

ROCK DITCH CHECK
EXIST. R/W
SILT FENCE 217 LF
ROCK DITCH CHECK
EXIST. R/W
SL
20
10
CURB INLET CHECK STA. 18+02
CURB INLET CHECK STA. 18+87
℄ RTE. 115
STA. 21+03.22 RTE 115 = STA 10+00.00 SARGENT
CURB INLET CHECK STA. 20+37
CURB INLET CHECK STA. 21+73
CURB INLET CHECK STA. 20+98
CURB INLET CHECK STA. 21+54
SILT FENCE 174 LF
SILT FENCE 155 LF
SILT FENCE 171 LF
EXIST. R/W
ROCK DITCH CHECK
EXIST. R/W
EXIST. R/W
℄ MALINE AVE
℄ SARGENT AVE
EXIST. R/W

ROUTE 115

EROSION CONTROL
SHEET 4 OF 12

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

02/28/2024 11:02:03 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
2/28/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	92

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

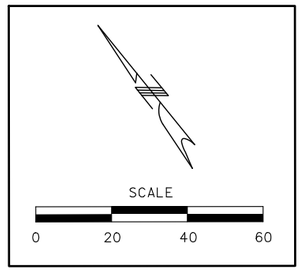
DESCRIPTION | DATE

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)

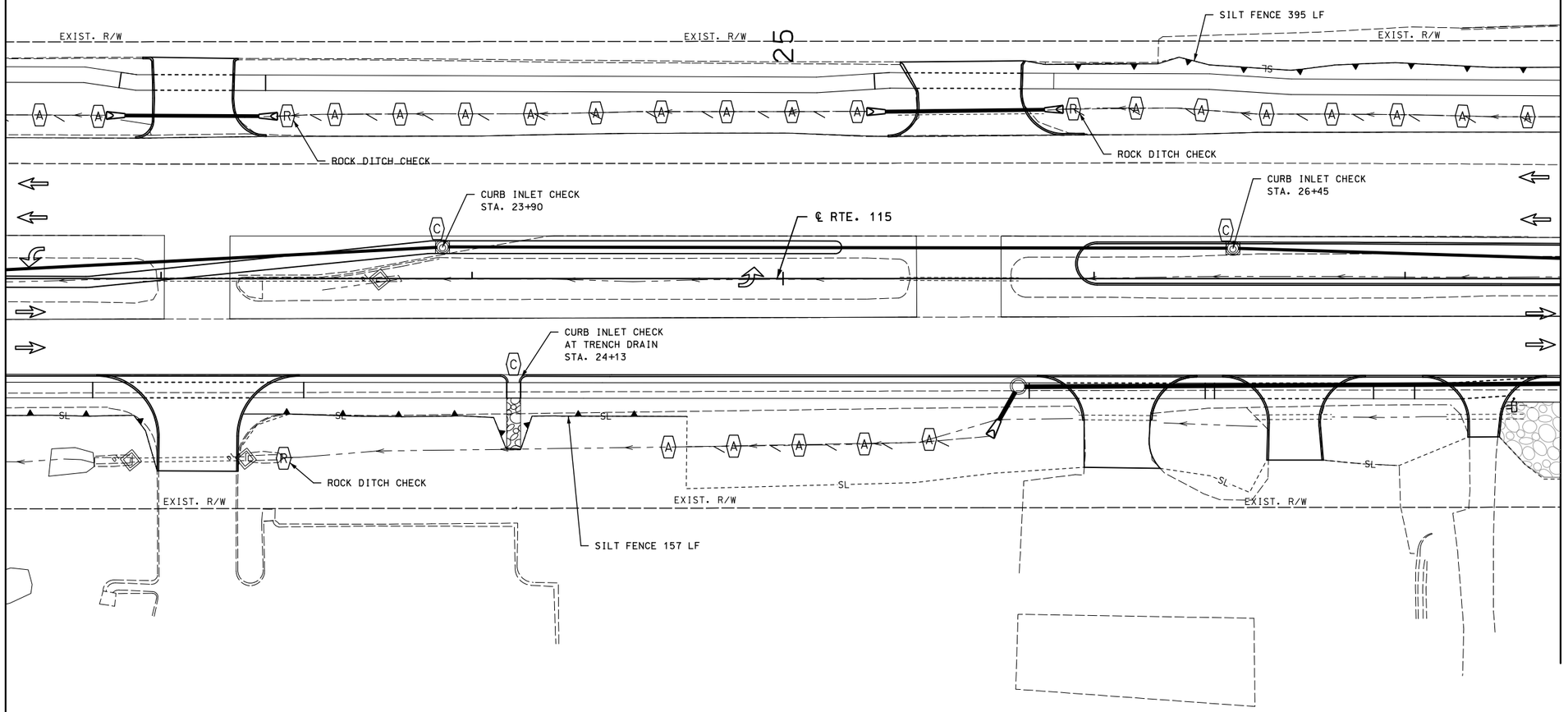
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY, & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631



EROSION CONTROL LEGEND

- SILT FENCE
- (C) CURB INLET CHECK
- (A) ALTERNATIVE DITCH CHECK
- (R) ROCK DITCH CHECK

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.



ROUTE 115

EROSION CONTROL
SHEET 5 OF 12

JENNIFER L. HUBER NUMBER PE-2022000257 PROFESSIONAL ENGINEER — STATE OF MISSOURI

02/28/2024 11:02:03 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
2/28/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	93

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

SCALE

0 20 40 60

EROSION CONTROL LEGEND

- SILT FENCE
- (C) CURB INLET CHECK
- (A) ALTERNATIVE DITCH CHECK
- (R) ROCK DITCH CHECK

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.

MATCHLINE 27+50.00
ROUTE 115

SILT FENCE 395 LF
EXIST. R/W
SL
SILT FENCE 24 LF
EXIST. R/W
ROCK DITCH CHECK
SILT FENCE 40 LF
EXIST. R/W
ROCK DITCH CHECK
SILT FENCE 66 LF
SILT FENCE 87 LF
℄ RTE. 115
CURB INLET CHECK
STA. 29+85
CURB INLET CHECK
STA. 27+65
CURB INLET CHECK AT
SIDEWALK TRENCH DRAIN
STA. 30+95
ROCK DITCH CHECK
ROCK DITCH CHECK
CURB INLET CHECK AT
SIDEWALK TRENCH DRAIN
STA. 31+86
EXIST. R/W
EXIST. R/W
EXIST. R/W
SILT FENCE 33 LF
SILT FENCE 35 LF
T.C.E.

MATCHLINE 32+50.00
ROUTE 115

ROUTE 115

EROSION CONTROL SHEET
6 OF 12

JENNIFER L. HUBER NUMBER PE-2022000257 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

02/28/2024 11:02:03 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
2/28/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	94

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

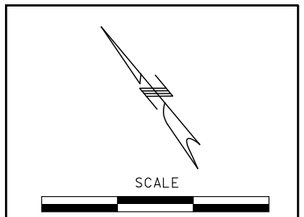
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

© Copyright CMT, Inc.

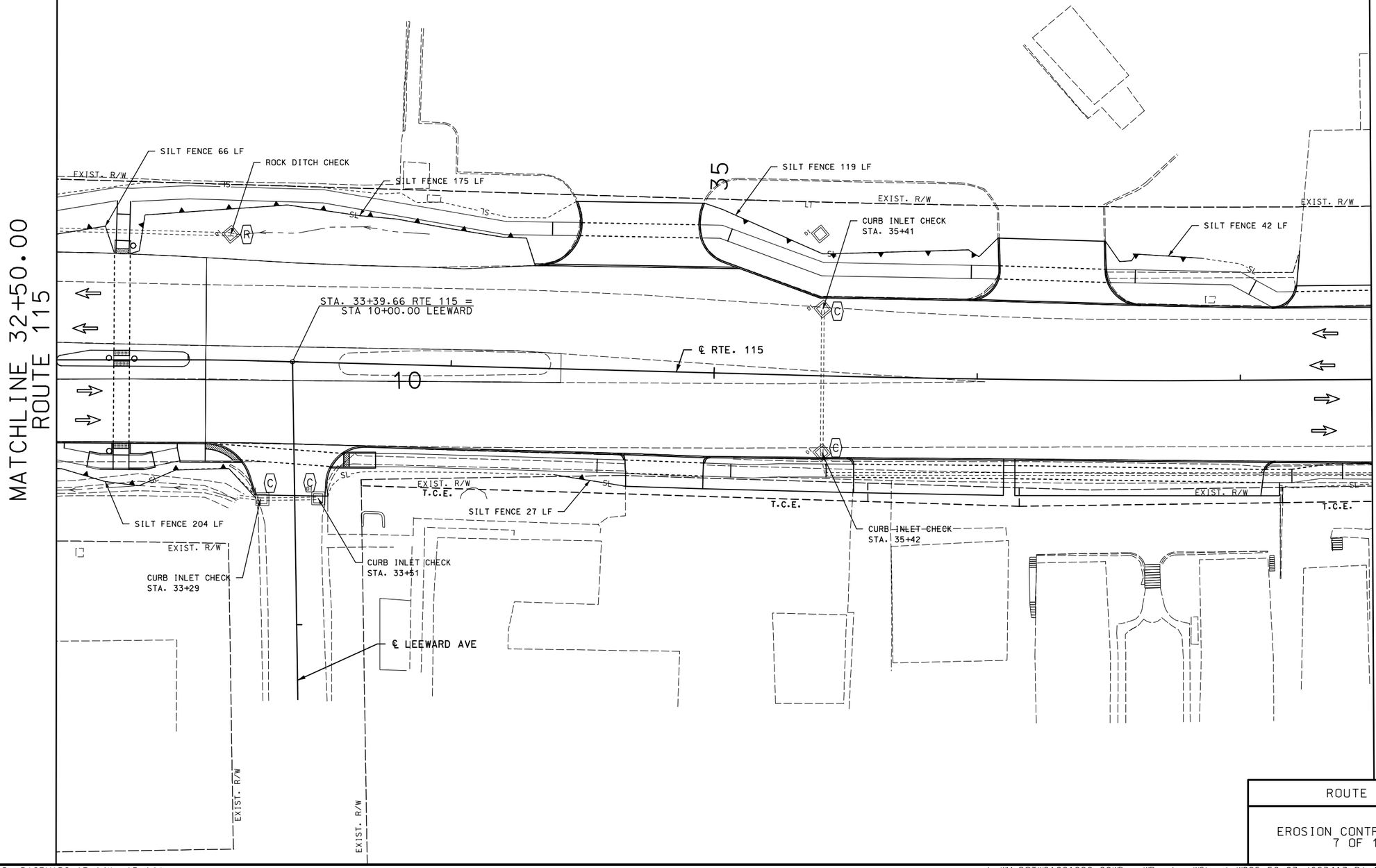
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631



EROSION CONTROL LEGEND

- SILT FENCE
- CURB INLET CHECK
- ALTERNATIVE DITCH CHECK
- ROCK DITCH CHECK

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.



ROUTE 115

EROSION CONTROL SHEET
7 OF 12

JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
STATE OF MISSOURI

02/28/2024 11:02:03 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
2/28/2024	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	95

COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

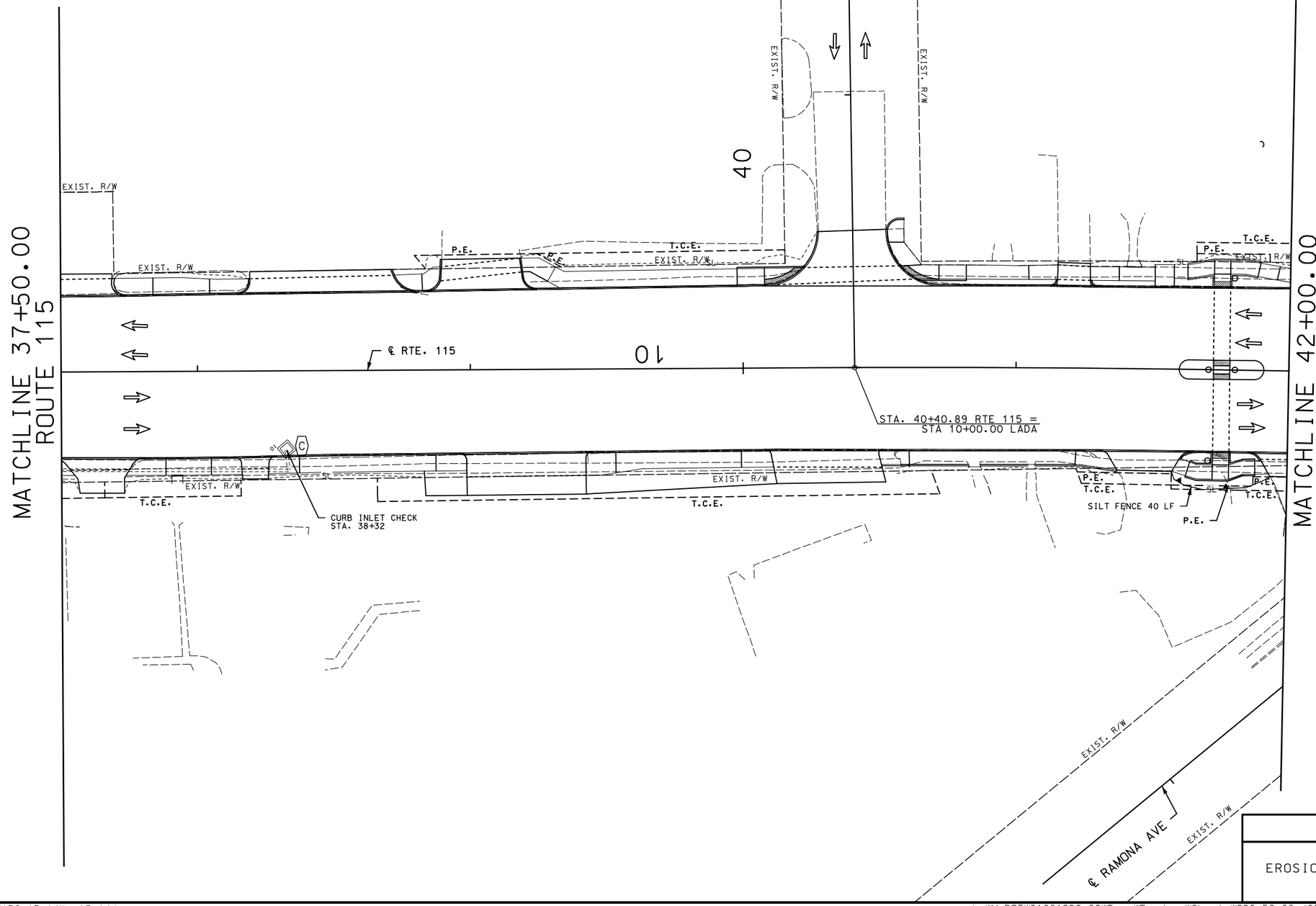
SCALE

0 20 40 60

EROSION CONTROL LEGEND

- SILT FENCE
- (C) CURB INLET CHECK
- (A) ALTERNATIVE DITCH CHECK
- (R) ROCK DITCH CHECK

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.



ROUTE 115

EROSION CONTROL SHEET
8 OF 12

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

02/28/2024 11:02:03 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
2/28/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	96

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

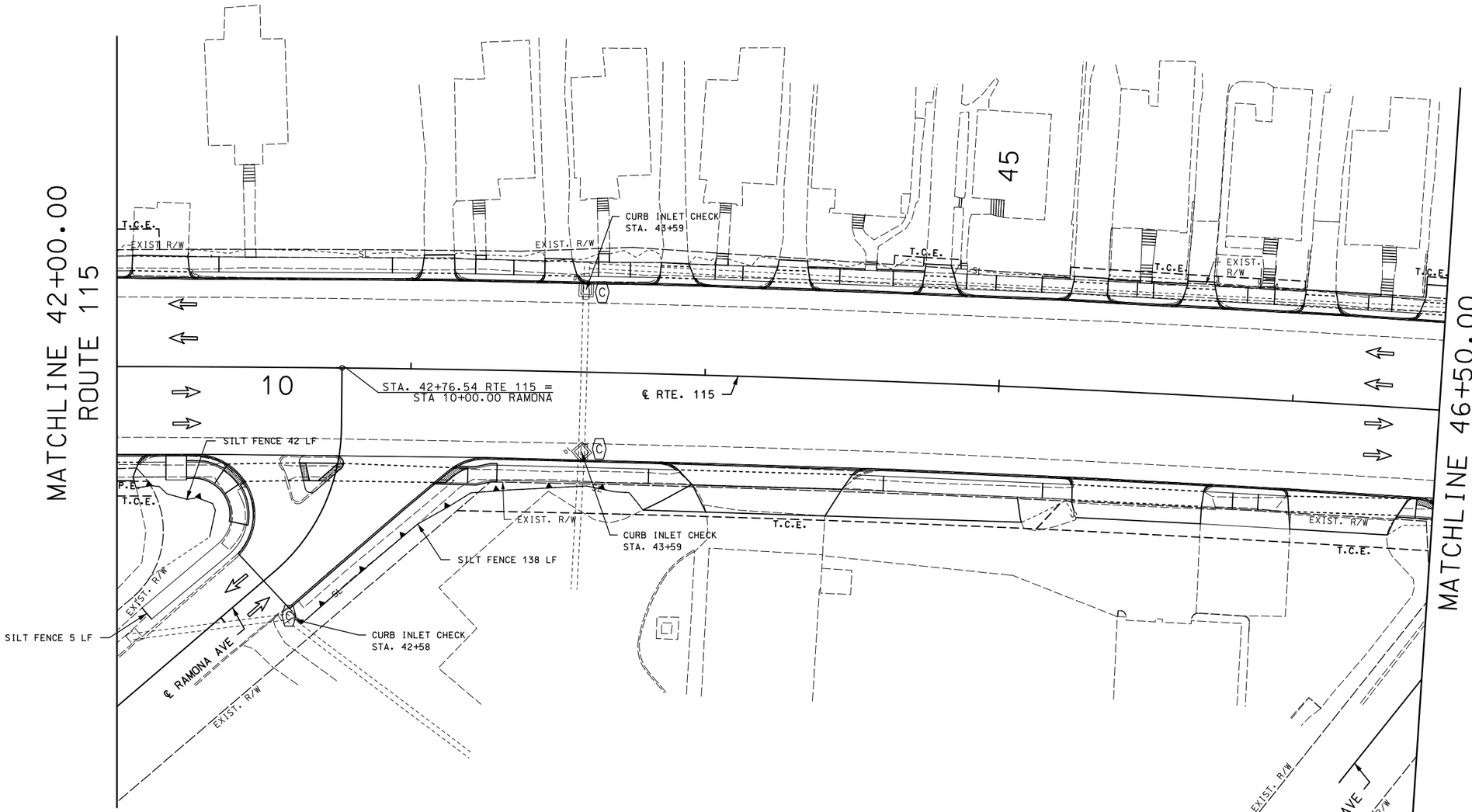
SCALE

0 20 40 60

EROSION CONTROL LEGEND

- SILT FENCE
- (C) CURB INLET CHECK
- (A) ALTERNATIVE DITCH CHECK
- (R) ROCK DITCH CHECK

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.



ROUTE 115

EROSION CONTROL SHEET
9 OF 12

JENNIFER L. HUBER NUMBER PE-2022000257 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

02/28/2024 11:02:03 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
2/28/2024	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 97
COUNTY ST. LOUIS	
JOB NO. J6S3417	
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)

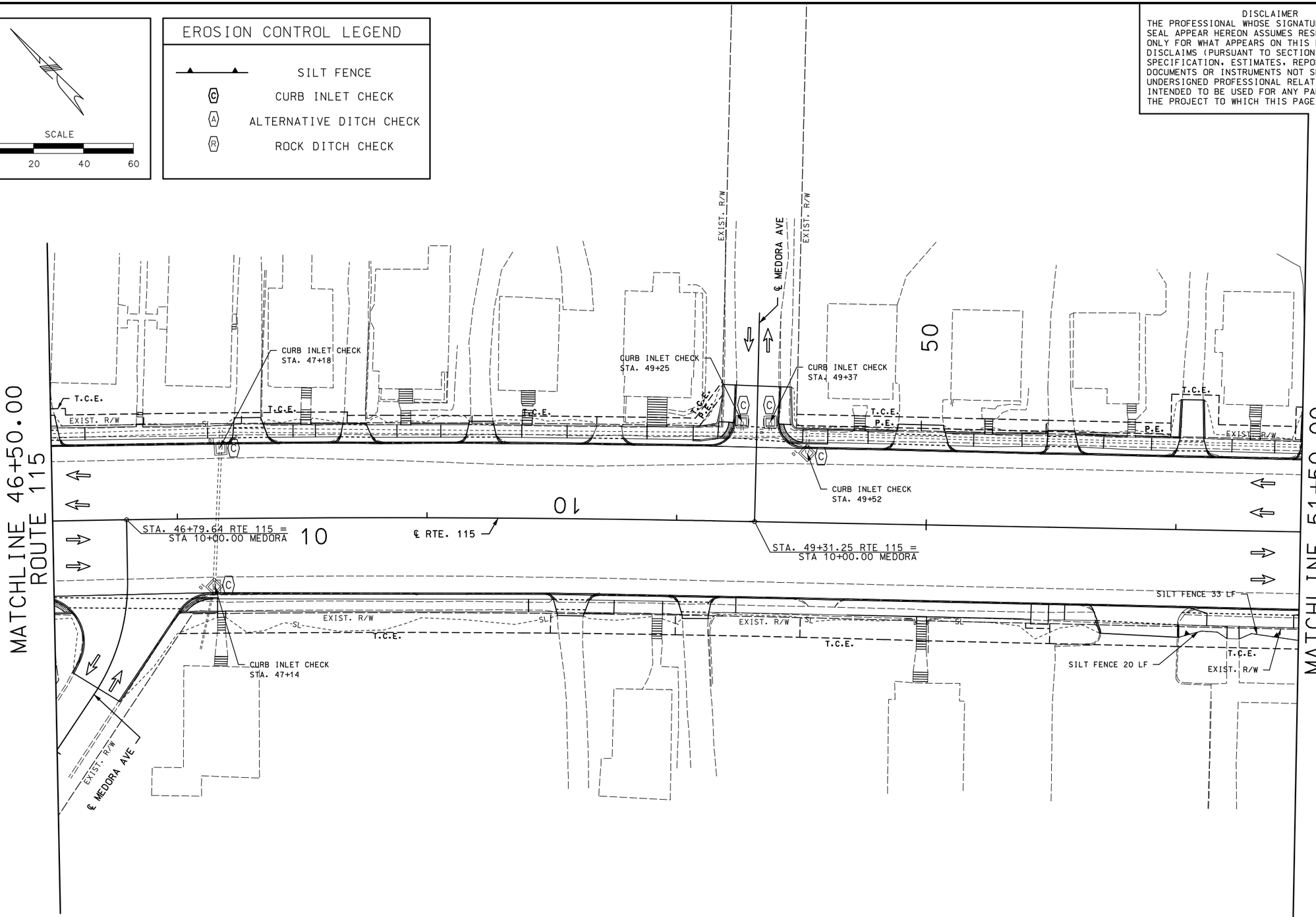
© Copyright CMT, Inc.
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

EROSION CONTROL LEGEND

- SILT FENCE
- (C) CURB INLET CHECK
- (A) ALTERNATIVE DITCH CHECK
- (R) ROCK DITCH CHECK

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.



ROUTE 115

EROSION CONTROL SHEET
10 OF 12

STATE OF MISSOURI · JENNIFER L. HUBER NUMBER PE-2022000257 · PROFESSIONAL ENGINEER
02/28/2024 11:02:03 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
2/28/2024	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 98
COUNTY ST. LOUIS	
JOB NO. J6S3417	
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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

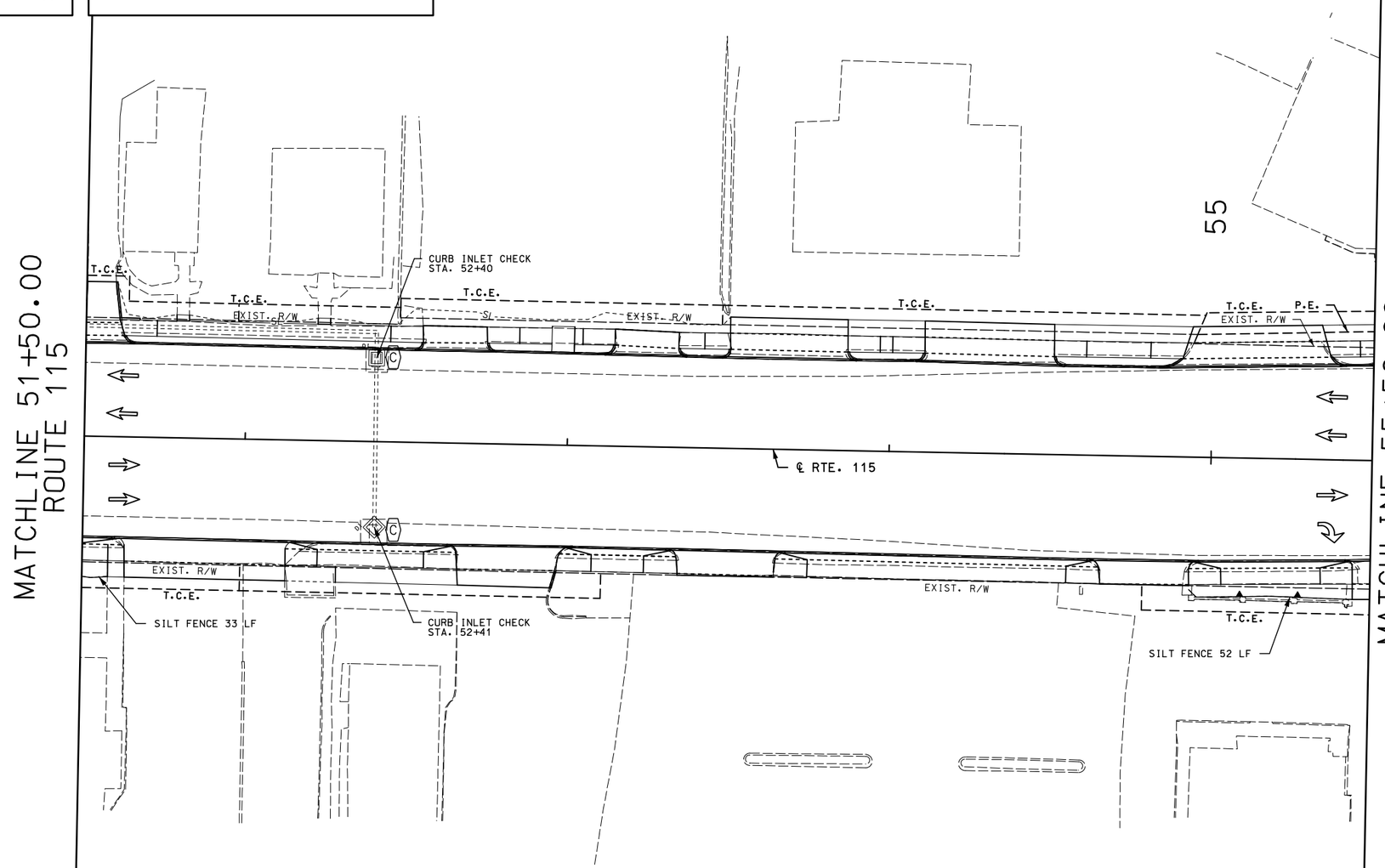
SCALE

0 20 40 60

EROSION CONTROL LEGEND

- SILT FENCE
- (C) CURB INLET CHECK
- (A) ALTERNATIVE DITCH CHECK
- (R) ROCK DITCH CHECK

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.



JENNIFER L. HUBER NUMBER PE-2022000257 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

02/28/2024 11:02:03 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
2/28/2024	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	99

COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

EROSION CONTROL SHEET
11 OF 12

SCALE
0 20 40 60

EROSION CONTROL LEGEND

- SILT FENCE
- (C) CURB INLET CHECK
- (A) ALTERNATIVE DITCH CHECK
- (R) ROCK DITCH CHECK

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.

MATCHLINE 55+50.00
ROUTE 115

SILT FENCE 33 LF
SILT FENCE 81 LF
SILT FENCE 51 LF
SILT FENCE 37 LF
SILT FENCE 104 LF
SILT FENCE 68 LF
T.C.E.
P.E.
EXIST. R/W
℄ ROUTE 115
STA. 57+08.57 RTE 115 =
STA. 12+38.28 N HANLEY
℄ N HANLEY RD
60
45

JENNIFER L. HUBER NUMBER PE-2022000257 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
02/28/2024 11:02:03 AM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
2/28/2024	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 100
COUNTY ST. LOUIS	
JOB NO. J6S3417	
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)

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

EROSION CONTROL SHEET
12 OF 12

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.

SCALE
0 20 40 60

MATCHLINE STA. 7+50.00
ROUTE 115

STA. 3+51.15 RTE 115 = STA 10+00.00 ENGLER
℄ RTE 115
STA. 6+24.54 RTE 115 = STA 10+00.00 SB RAMP 170
BEGIN PROJECT STA. 2+95.95
℄ ENGLER AVE
℄ BOLBECHER RD
STA. 11+84.77 ENGLER = STA 10+00.00 BOLBECHER
EXIST. R/W
10
7S
MOUNTED BK TO BK

(UIP) R4-7 36″x48″ STA. 2+96
(UIP) g) M3-4 24″x12″ b) M1-5 30″x24″ ASSEMBLY STA. 2+63
(UIP) METRO BUS 18″x24″ STA. 3+21
(UIP) R6-1L 54″x18″ STA. 3+65
g) R4-7 36″x48″ b) R3-4 36″x36″ (UIP) ASSEMBLY MOUNTED BK TO BK STA. 4+15
SPEED LIMIT 40
CITY LIMIT ST JOHN POP. 6,517
(a) R2-1 30″x36″ (b) I4-2a 60″x24″ (UIP) ASSEMBLY STA. 4+88
PRIMARY SEAT BELT CITY
Buckle Up IT'S THE LAW
CITY ORDINANCE #30
(a) R16-27bP 36″x24″ (b) R16-27 36″x48″ (c) R16-27cP 36″x24″ (UIP) ASSEMBLY STA. 4+88
SPEED LIMIT 35
CITY LIMIT BEL-RIDGE POP. 2,737
(a) R2-1 30″x36″ (b) I4-2a 60″x24″ (UIP) ASSEMBLY STA. 4+88
R4-7 24″X30″ STA. 5+83 6.4′ RT
g) M3-3 24″x12″ b) M1-1 30″x24″ c) M6-1 21″x15″ (UIP) ASSEMBLY STA. 6+34
SOUTH INTERSTATE 170
R4-7 24″X30″ STA. 6+44 4.9′ RT
(UIP) R4-7 36″x48″ STA. 6+13
ONE WAY a) R6-1R 54″x18″ b) R6-1L 54″x18″ (UIP) ASSEMBLY MOUNTED BK TO BK STA. 6+42
a) W11-2 48″X48″ b) W16-7P 30″X18″ STA. 7+00 79.1′ RT
W4-3R 36″x36″ STA. 7+18 67.0′ RT
TURNING VEHICLES TO R10-15R 30″ X 30″ STA. 6+74 144.8′RT
YIELD (R) R1-2 48″ STA. 7+01
℄ SB I-170 RAMPS

DO NOT ENTER (UIP) R5-1 36″x36″ STA. 2+74
ENGLER AVE (R&RELOC.) D3-1 36″X9″ STA. 3+43 64.6′ RT
(UIP) STA. 2+47 POLE PRESENT SIGN IS MISSING
MoDOT ADOPT-A-HIGHWAY Litter Cleanup AVAILABLE 888-ASK-MODOT (R BY OTHERS) 19-10 48″x36″ STA. 2+00
ONE WAY ONE WAY a) R6-1R 36″x12″ b) R6-1L 36″x12″ c) R1-1 36″x36″ d) R6-3A 30″x24″ (R&R) ASSEMBLY STA. 3+91 76.3′ RT
STOP
DIVIDED HIGHWAY
RIGHT LANE MUST TURN RIGHT (R) R3-7R 36″X36″ STA. 4+62
RIGHT LANE MUST TURN RIGHT (a) R3-7R 36″ X 36″ (b) R10-15R 30″ X 30″ STA. 4+39 62.8′ RT
SOUTH INTERSTATE 170 a) M3-3 24″x12″ b) M1-1 30″x24″ c) M6-2R 21″x15″ (UIP) ASSEMBLY STA. 5+64
a) W11-2 48″X48″ b) W16-7P 30″X18″ STA. 5+46 77.5′ RT
YIELD (UIP) R1-2 48″ STA. 5+78
WEST 115 EAST 115 a) M3-4 24″x12″ b) M1-5 30″x24″ c) M6-1 21″x15″ d) M3-2 24″x12″ e) M1-5 30″x24″ f) M6-1 21″x15″ (UIP) ASSEMBLY STA. 6+50
WEST 115 (UIP) g) M3-4 24″x12″ b) M1-5 30″x24″ ASSEMBLY STA. 2+63

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND	
(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB

ROUTE 115

SIGNING SHEET
1 OF 15

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
01/25/2024 12:22:25 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	101

COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

DESCRIPTION | DATE | REV.

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

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST. INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

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.

MATCHLINE 7+50.00
ROUTE 115

MATCHLINE 12+50.00
ROUTE 115

℄ RTE. 115

(DND) PRIVATE SIGN

(DND) PRIVATE SIGN

SL

SIGN

9

10

11

12

RIGHT LANE MUST TURN RIGHT
R3-7R
36" X 36"
STA. 10+22
63.8' RT

TURNING VEHICLES TO
R10-15R
30" X 30"
STA. 11+22
63.2' RT

TO EAST NORTH
INTERSTATE 70 INTERSTATE 170
a) M4-5 24"x12"
b) M3-2 24"x12" e) M3-1 24"x12"
c) M1-1 30"x24" f) M1-1 30"x24"
d) M6-1R 21"x15" g) M6-1R 21"x15"
ASSEMBLY
STA. 11+88
63.2' RT

NORTH INTERSTATE 170 ONLY
TO EAST INTERSTATE 70
a) M3-1
b) M1-1
c) R3-5R
d) M4-5 24"x12"
e) M3-2 24"x12"
f) M1-1 30"x24"
g) M6-2R 21"x15"
(R)
ASSEMBLY
MOUNTED ON MAST ARM
STA. 11+98
MAST ARM, POST, & FOUNDATION (R)

a) W11-2 48"x48"
b) W16-7P 30"x18"
STA. 12+47
62.3' RT

TO EAST NORTH
INTERSTATE 70 INTERSTATE 170
a) M4-5 24"x12"
b) M3-2 24"x12" e) M3-1 24"x12"
c) M1-1 30"x24" f) M1-1 30"x24"
d) M5-1R 21"x15" g) M5-1R 21"x15"
(UIP)
ASSEMBLY
STA. 7+59

ROUTE 115

SIGNING SHEET
2 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257 PROFESSIONAL ENGINEER
STATE OF MISSOURI
01/25/2024 12:22:32 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	102

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

SCALE
0 20 40 60

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB

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.

MATCHLINE 12+50.00 ROUTE 115

MATCHLINE 17+50.00 ROUTE 115

℄ SPRINGDALE AVE

EXIST. R/W

(UIP) W12-1 24x4 STA. 13+39

a) M4-5 24"x12"
b) M3-1 e) M3-3 24"x12" 24"x12"
c) M1-1 f) M1-1 30"x24" 30"x24"
d) M6-3 g) M6-1 21"x15" 21"x15"
(UIP) ASSEMBLY STA. 13+32

(UIP) R1-2 48" STA. 12+89

R4-7 24"X30" STA. 13+29 4.7' LT

STA. 13+67.38 RTE 115 = STA 10+00.00 SPRINGDALE

(R&R) R1-2 48" STA. 14+30 73.6' LT

(DND) MONUMENT SIGN

(UIP) W12-1 24"x24" STA. 14+21

STA. 13+91.62 RTE 115 = STA 10+00.00 NB RAMP 170

℄ RTE 115

(a) M3-1 24"x12" (d) M3-3 24"x12"
(b) M1-1 30"x24" (e) M1-1 30"x24"
(c) M6-1L 21"x15" (f) M6-3L 21"x15"
ASSEMBLY STA. 15+35 54.7' LT

R10-15R 30" X 30" STA. 15+67 54.9' LT

R6-1R 54"x18" STA. 16+16 1.1' RT

(R) STA. 16+16 POLE PRESENT, SIGN IS MISSING

(R&RELOC. BY OTHERS) METRO BUS 18"x24" STA. 16+73 54.6' LT

a) M3-1 24"x12" d) M3-3 24"x12"
b) M1-1 30"x24" e) M1-1 30"x24"
c) M5-1L 21"x15" f) M6-3 21"x15"
(R) ASSEMBLY STA. 16+49

a) R6-1R 36"x12"
b) R6-1L 36"x12"
(UIP) ASSEMBLY MOUNTED BK TO BK STA. 17+16

STA. 17+36.47 RTE 115 = STA 10+00.00 MALINE

R4-7 24"X30" STA. 14+10 6.1' RT

a) M3-1 24"x12"
b) M1-1 30"x24"
c) M6-2R 21"x15"
(UIP) ASSEMBLY STA. 12+86

(UIP) R4-7 24"x30" STA. 13+68

(UIP) R1-2 48" STA. 13+09

a) R6-1R 54"x18"
b) R6-1L 54"x18"
(UIP) ASSEMBLY MOUNTED BK TO BK STA. 13+99

R10-15R 30" X 30" STA. 14+19 125.8'RT

a) W11-2 48"X48"
b) W16-7P 30"X18"
STA. 14+33 76.7' RT

a) M3-4 d) M3-2 24"x12" 24"x12"
b) M1-5 e) M1-5 30"x24" 30"x24"
c) M6-1 g) M6-1 21"x15" 21"x15"
(UIP) ASSEMBLY STA. 14+01

(UIP) R5-1 36"x36" STA. 14+20

(R) R1-2 48" STA. 14+47

W4-3R 36"x36" STA. 14+50 65.3' RT

(a) W4-2R 36"x36"
(b) R5-1 36"x36"
BACK-TO-BACK STA. 15+54 66.9' RT

a) R16-27 36"x48" b) R5-1 36"x36"
(R) ASSEMBLY MOUNTED BK TO BK STA. 15+76

(UIP) R5-1 36"x36" STA. 15+87

(UIP) R4-7 24"x30" STA. 17+16

MONUMENT SIGN (DND)

℄ NB I-170 RAMPS

EXIST. R/W

ROUTE 115

SIGNING SHEET 3 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI PROFESSIONAL ENGINEER
01/25/2024 12:22:32 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	103

COUNTY ST. LOUIS
JOB NO. J6S3417
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

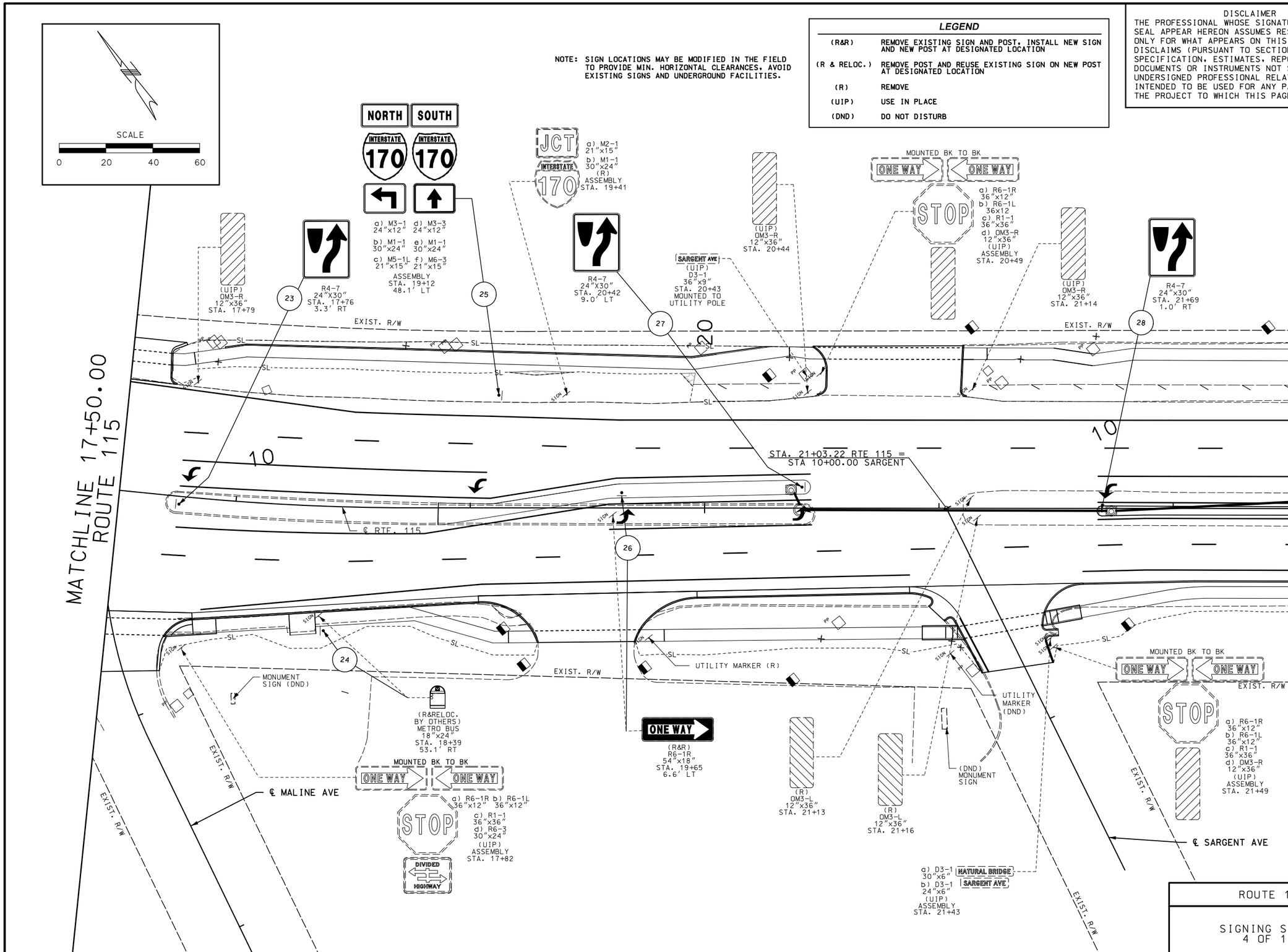
DESCRIPTION | DATE

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631



NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES. AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST. INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:22:32 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	1/25/2024
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	104
COUNTY	ST. LOUIS
JOB NO.	J6S3417
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

SIGNING SHEET
4 OF 15

SCALE
0 20 40 60

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES. AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST. INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB

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.

MATCHLINE 22+50.00
ROUTE 115

MATCHLINE 27+50.00
ROUTE 115

℄ RTE. 115

(R) EITHER METRO SIGN OR MISSING

a) R6-1R 36"x12"
b) R6-1L 36"x12"
(R) ASSEMBLY MOUNTED BK TO BK STA. 22+95

(R) OM3-L 12"x36" STA. 22+90

(R) R5-1 36"x36" STA. 23+64

(R) OM3-L 12"x36" STA. 23+92

a) R6-1R 36"x12"
b) R6-1L 36"x12"
(UIP) ASSEMBLY MOUNTED BK TO BK STA. 25+39

(R) OM3-L 12"x36" STA. 25+37

(DND) UNKNOWN SIGN

(R) OM3-R 12"x36" STA. 25+89

a) R5-1 36"x36"
b) OM3-L 12"x36"
(R) ASSEMBLY STA. 25+94

(DND) MONUMENT SIGN

EXIST. R/W

a) R5-1 36"x36"
b) OM3-L 12"x36"
(R) ASSEMBLY STA. 22+76

(a) R6-1R 54"x18"
(a) R6-1R 54"x18"
BACK-TO-BACK STA. 23+12 2.5' LT

(R) OM3-L 12"x36" STA. 23+34

(R) R6-1L 36"x12"

(UIP) R2-1 30"x36" STA. 24+01

R4-7 24"x30" STA. 25+16 10.0' LT

a) R5-1 36"x36"
b) OM3-L 12"x36"
(R) ASSEMBLY STA. 25+27

R4-7 24"x30" STA. 25+99 4.3' LT

R6-1R 54"x18" STA. 26+07 0.5' LT

(R) R6-1R 36"x12" STA. 26+39

R6-1R 54"x18" STA. 26+63 0.5' LT

R6-1R 54"x18" STA. 27+27 0.4' LT

29 30 31 32 33 34

ROUTE 115

SIGNING SHEET
5 OF 15

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

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:22:32 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	105

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

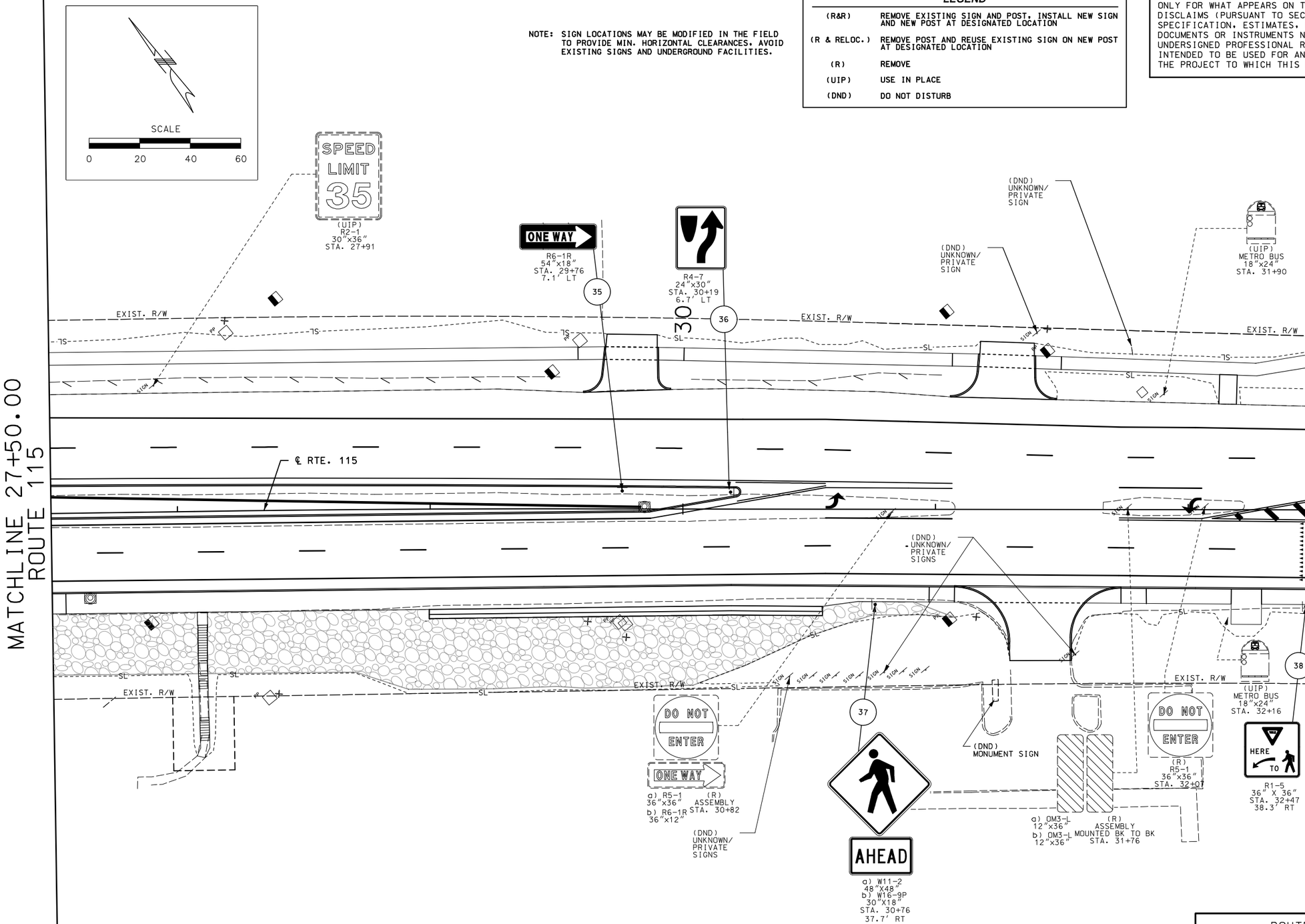
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES. AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB

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.



ROUTE 115

SIGNING SHEET
6 OF 15

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:22:32 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
1/25/2024	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 106
COUNTY ST. LOUIS	
JOB NO. J6S3417	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

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

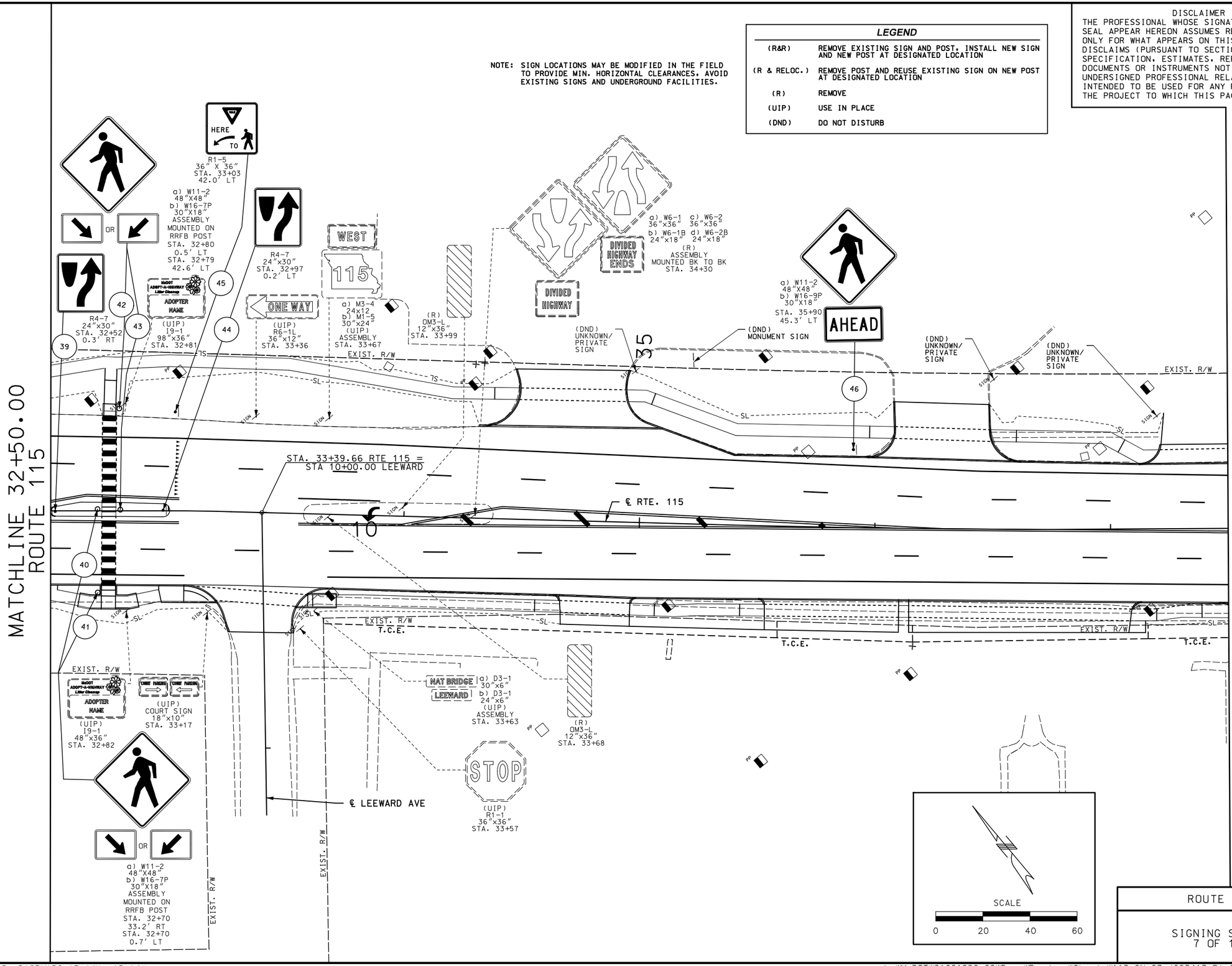
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND	
(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB

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.



ROUTE 115

SIGNING SHEET
7 OF 15

JENNIFER L. HUBER NUMBER PE-2022000257
STATE OF MISSOURI
PROFESSIONAL ENGINEER
01/25/2024 12:22:32 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	107

COUNTY ST. LOUIS
JOB NO. J6S3417
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

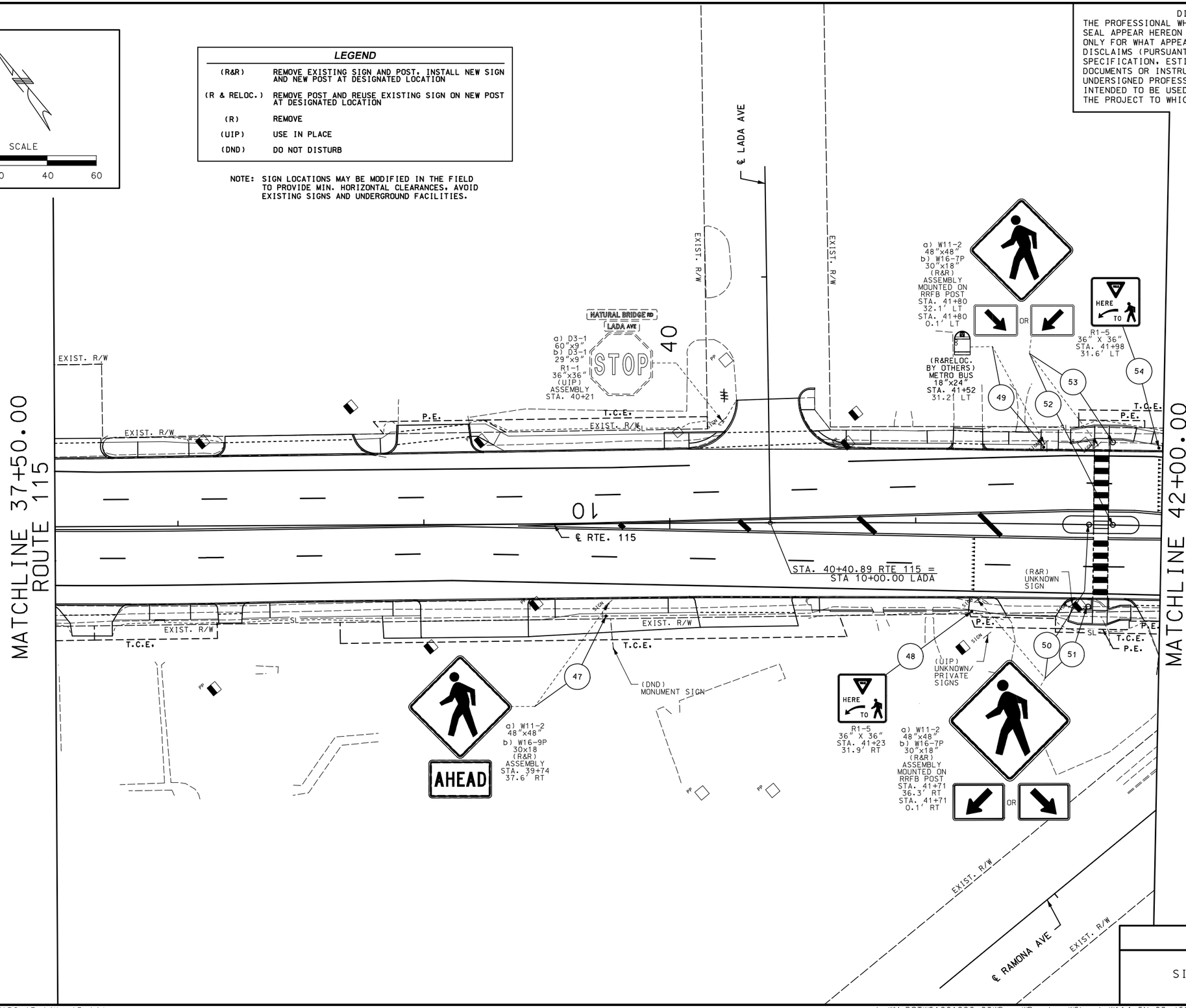
SCALE
0 20 40 60

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST. INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

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.



ROUTE 115

SIGNING SHEET
8 OF 15

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:22:33 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	108

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

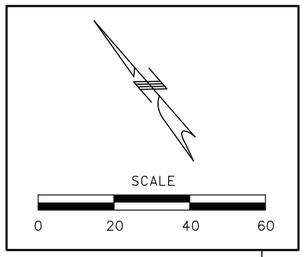
DESCRIPTION	DATE

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

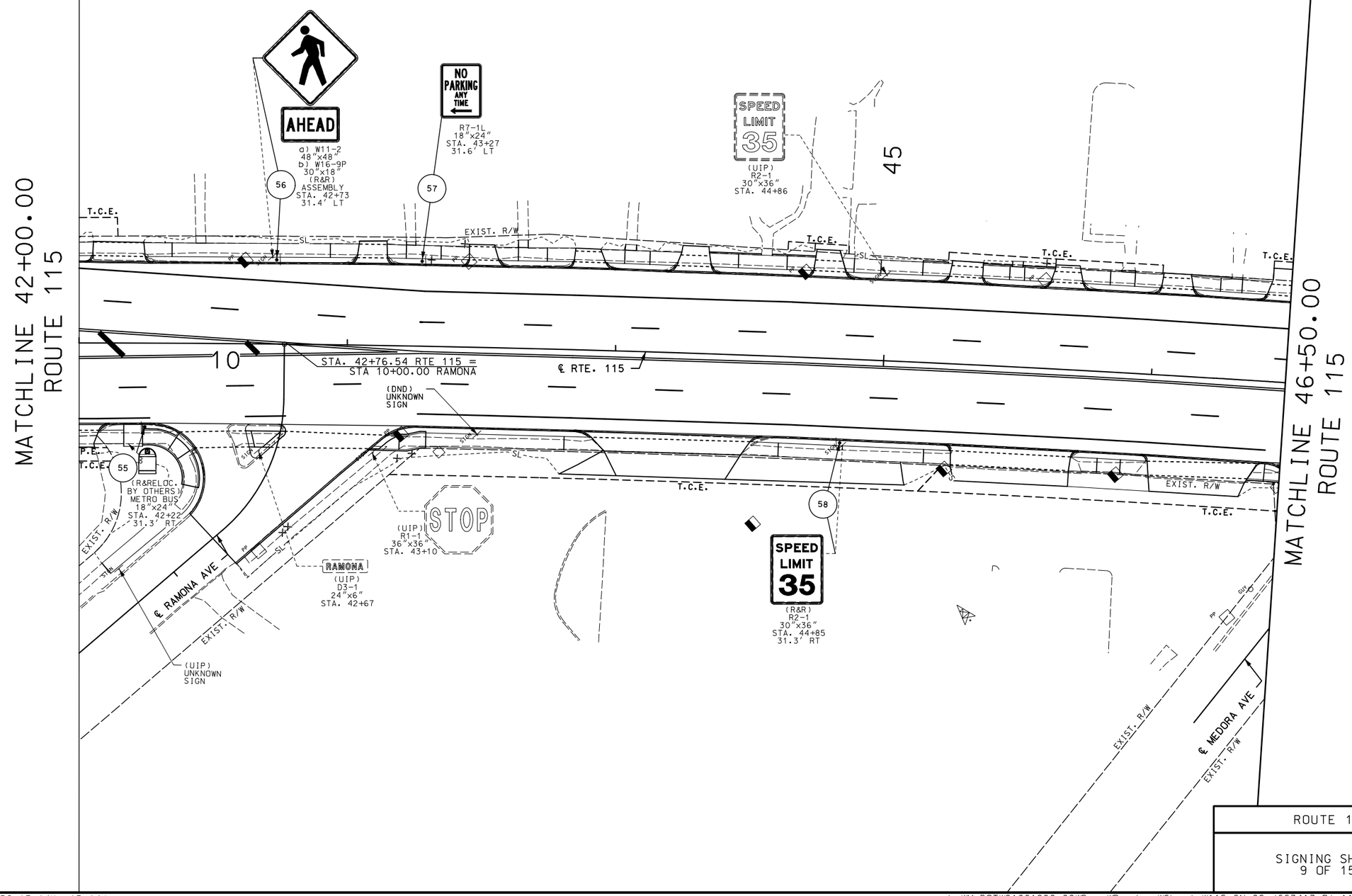


NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB

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.



ROUTE 115

SIGNING SHEET
9 OF 15

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER
PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 12:22:33 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	1/25/2024
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	109
COUNTY	ST. LOUIS
JOB NO.	J6S3417
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

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.

MATCHLINE 46+50.00 ROUTE 115

MATCHLINE 51+50.00 ROUTE 115

STA. 46+79.64 RTE 115 = STA 10+00.00 MEDORA

℄ RTE. 115

STA. 49+31.25 RTE 115 = STA 10+00.00 MEDORA

℄ MEDORA AVE

EXIST. R/W

NO PARKING ANY TIME
(R&R)
R7-1R
18"x24"
STA. 48+55
31.2' LT

STOP
(R&R)
R1-1
36"x36"
STA. 49+15
44.4' LT

MOUNTED BK TO BK
NO OUTLET NO OUTLET
MEDORA AVE
NATURAL BRIDGE RD
a) W14-2AL b) W14-2AR
30"x9" 30"x9"
c) D3-1
30"x9"
d) D3-1
38"x9"
(UIP)
ASSEMBLY
STA. 49+51

NO PARKING ANY TIME
(UIP)
R7-1L
12"x18"
STA. 50+15

WEST
115
a) M3-4
24"x12"
b) M1-5
30"x24"
(R&R)
ASSEMBLY
STA. 50+70
31.7' LT

59 60 61 62

T.C.E. P.E. SL EXIST. R/W

(DND) MONUMENT SIGN

(DND) UNKNOWN/ PRIVATE SIGN

STOP
(UIP)
R1-1
36"x36"
STA. 46+98

NO PARKING THIS SIDE OF STREET
(UIP)
R7-SPECIAL
12"x18"
STA. 46+87

(R&RELOC. BY OTHERS)
METRO BUS
18"x24"
STA. 50+55
37.7' RT

NO PARKING ANY TIME
(UIP)
R7-1D
12"x18"
STA. 51+47

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

ROUTE 115

SIGNING SHEET
10 OF 15

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
01/25/2024 12:22:33 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	110

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

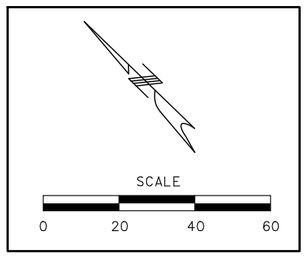
DESCRIPTION

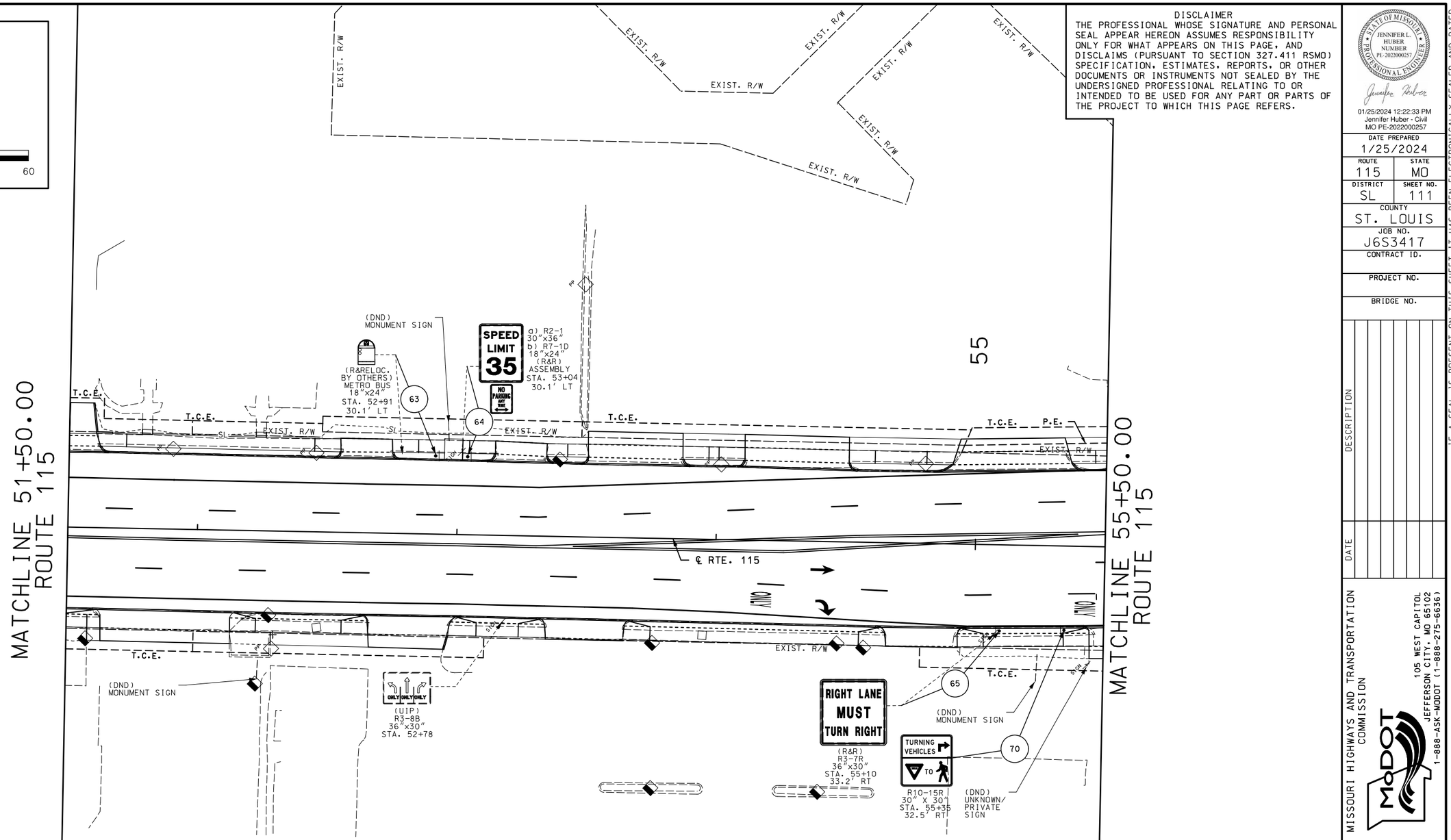
DATE

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)

CMT
©Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631





NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES, AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:22:33 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	111

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

ROUTE 115

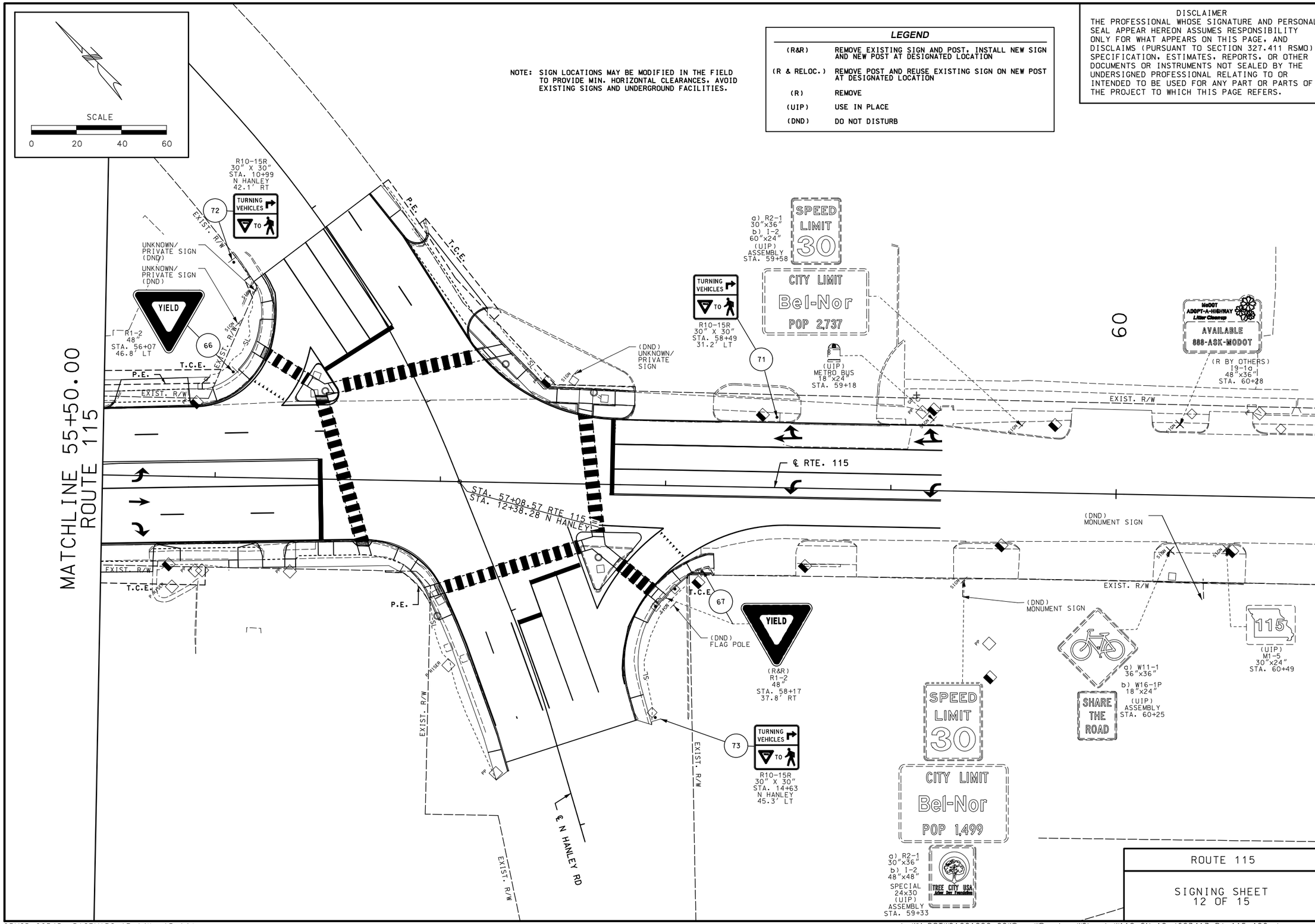
SIGNING SHEET
11 OF 15

NOTE: SIGN LOCATIONS MAY BE MODIFIED IN THE FIELD TO PROVIDE MIN. HORIZONTAL CLEARANCES. AVOID EXISTING SIGNS AND UNDERGROUND FACILITIES.

LEGEND

(R&R)	REMOVE EXISTING SIGN AND POST, INSTALL NEW SIGN AND NEW POST AT DESIGNATED LOCATION
(R & RELOC.)	REMOVE POST AND REUSE EXISTING SIGN ON NEW POST AT DESIGNATED LOCATION
(R)	REMOVE
(UIP)	USE IN PLACE
(DND)	DO NOT DISTURB

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.



ROUTE 115

SIGNING SHEET
12 OF 15

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER
PE-2022000257
PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 12:22:33 PM
Jennifer Huber - Civil
MO PE-2022000257

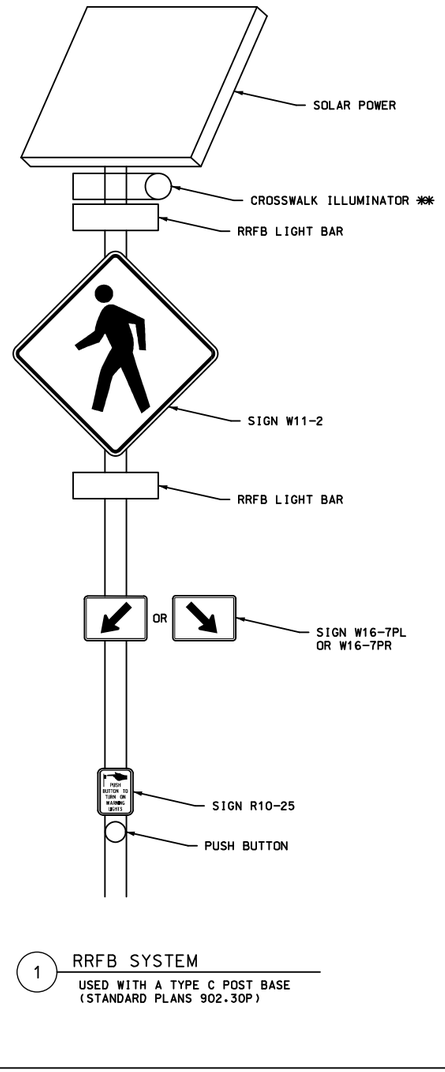
DATE PREPARED	
1/25/2024	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 112
COUNTY ST. LOUIS	
JOB NO. J6S3417	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

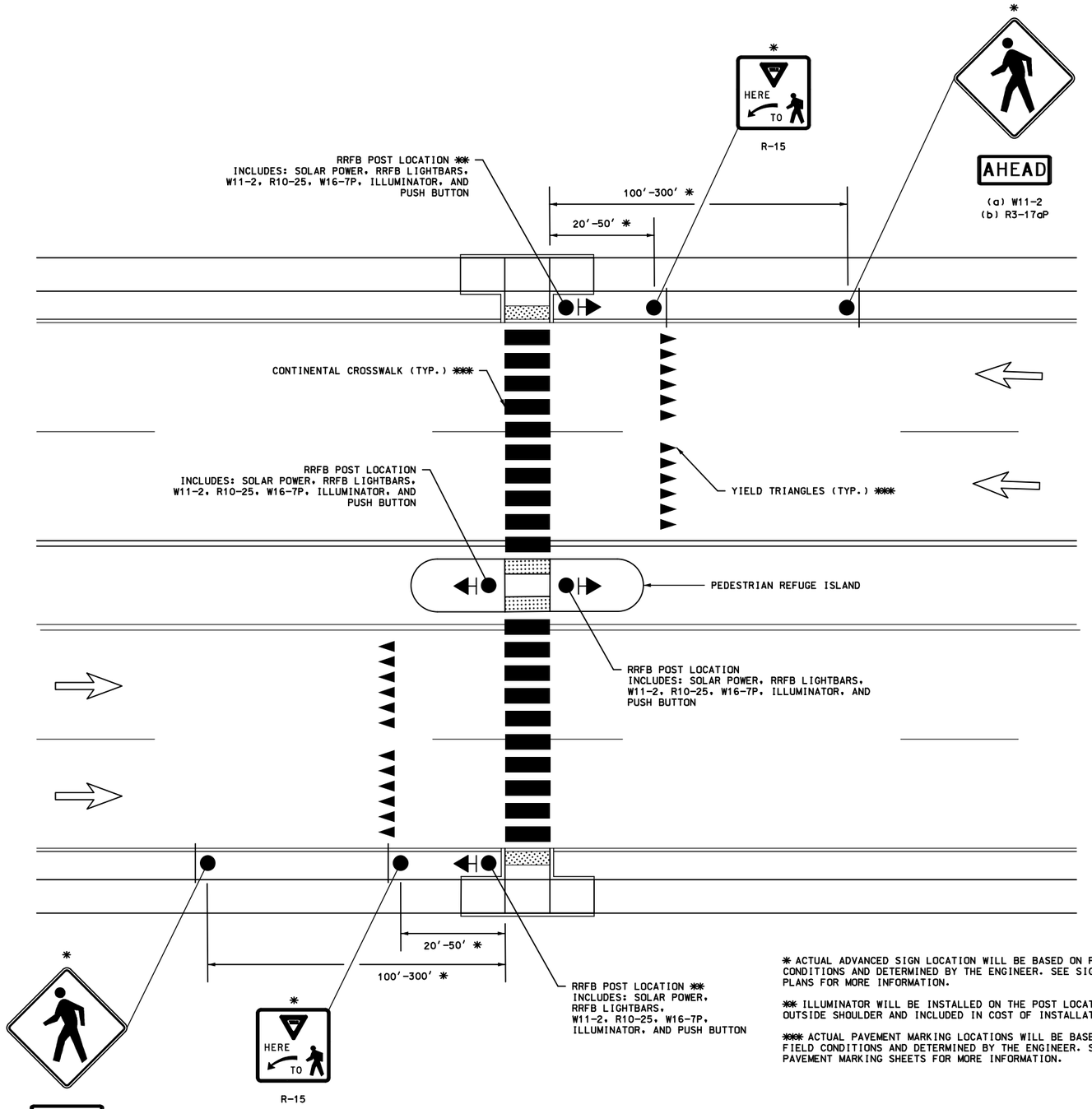
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631



1 RRFB SYSTEM

USED WITH A TYPE C POST BASE
(STANDARD PLANS 902.30P)

NTS



2 RECTANGULAR RAPID FLASHING BEACON (RRFB) WITH CROSSWALK ILLUMINATOR

USED AT MIDBLOCK CROSSINGS
STA. 32+75
STA. 41+75

* ACTUAL ADVANCED SIGN LOCATION WILL BE BASED ON FIELD CONDITIONS AND DETERMINED BY THE ENGINEER. SEE SIGNING PLANS FOR MORE INFORMATION.

** ILLUMINATOR WILL BE INSTALLED ON THE POST LOCATED AT THE OUTSIDE SHOULDER AND INCLUDED IN COST OF INSTALLATION.

*** ACTUAL PAVEMENT MARKING LOCATIONS WILL BE BASED ON FIELD CONDITIONS AND DETERMINED BY THE ENGINEER. SEE PAVEMENT MARKING SHEETS FOR MORE INFORMATION.

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.

RECTANGULAR RAPID FLASHING BEACON (RRFB) DETAILS

ROUTE 115

SIGNING SHEET
13 OF 15

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
01/25/2024 12:22:33 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
1/25/2024	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	113
COUNTY	
ST. LOUIS	
JOB NO.	
J6S3417	
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)

© Copyright CMT, Inc.

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

D-29 SHEET

SIGNS

902 SIGNAL SIGNS TABULATE ON D-37A SHEET

PERFORATED SQUARE STEEL TUBE POST

SIGN NO.	SIGN SIZE	STATION	SIDE	HORZ CLEAR IF NOT STD	ROADWAY	SIGN DTL. SHT. NO.	2 IN. POST							2.5 IN. POST								BREAK-AWAY ASSEMBLY ITEM NO. 9031241	REMARKS AND OTHER REQUIRED ITEMS.
							POST NO. 1	POST NO. 2	TOTAL ITEM NO. 9031270A	ANCHORS				POST NO. 1	POST NO. 2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	ANCHORS					
										DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	CONCRETE FOOTING EMBEDDED ***					DRIVEN 7-GA. ITEM NO. 9031281A	CONCRETE 7-GA. ITEM NO. 9031285	CONCRETE FOOTING EMBEDDED ***		
							LF	LF	LF	EA	EA	EA	CY	LF	LF	LF	EA	EA	EA	CY	EA	
2	ASSEMBLY	3+91	RT		ROUTE 115									16.75		16.75	1	1			1	
3	ASSEMBLY	4+39	RT		ROUTE 115									15.50		15.50	1	1			1	
4	ASSEMBLY	5+46	RT		ROUTE 115									15.75		15.75		1				
5	24" X 30"	5+83	RT		ROUTE 115		8.00		8.00			1	0.3									
6	24" X 30"	6+44	RT		ROUTE 115		8.00		8.00			1	0.3									
7	ASSEMBLY	7+00	RT		ROUTE 115									15.00		15.00		1				
8	36" X 36"	7+18	RT		ROUTE 115		15.25		15.25	1												
9	36" X 36"	10+22	RT		ROUTE 115		12.25		12.25	1												
10	30" X 30"	11+22	RT		ROUTE 115		12.25		12.50	1												
11	ASSEMBLY	11+88	RT		ROUTE 115									15.50		15.50		1				
12	ASSEMBLY	12+47	RT		ROUTE 115									16.00		16.00		1				
13	24" X 30"	13+29	LT		ROUTE 115		8.00		8.00			1	0.3									
14	24" X 30"	14+10	RT		ROUTE 115		8.00		8.00			1	0.3									
15	48"	14+30	LT		ROUTE 115		13.25		13.25	1												
16	ASSEMBLY	14+33	RT		ROUTE 115									17.00		17.00		1				
17	36" X 36"	14+50	RT		ROUTE 115		14.00		14.25	1												
18	ASSEMBLY	15+35	LT		ROUTE 115		14.50		14.50	1												
19	ASSEMBLY	15+54	RT		ROUTE 115		15.00		15.00	1												
20	30" X 30"	15+67	LT		ROUTE 115		12.50		12.50	1												
21	54" x 18"	16+16	RT		ROUTE 115		7.00		7.00			1	0.3									
23	24" X 30"	17+76	RT		ROUTE 115		8.00		8.00			1	0.3									
25	ASSEMBLY	19+12	LT		ROUTE 115									15.00		15.00		1				
26	54" x 18"	19+65	LT		ROUTE 115		7.00		7.00			1	0.3									
27	24" X 30"	20+42	RT		ROUTE 115		8.25		8.25			1	0.3									
28	24" X 30"	21+69	RT		ROUTE 115		8.00		8.00			1	0.3									
29	ASSEMBLY	23+12	LT		ROUTE 115		7.00		7.00			1	0.3									
30	24" X 30"	25+16	LT		ROUTE 115		8.00		8.00			1	0.3									
31	24" X 30"	25+99	LT		ROUTE 115		8.00		8.00			1	0.3									
32	54" x 18"	26+07	LT		ROUTE 115		7.00		7.00			1	0.3									
33	54" x 18"	26+41	LT		ROUTE 115		7.00		7.00			1	0.3									
34	54" x 18"	27+27	LT		ROUTE 115		7.00		7.00			1	0.3									
35	54" x 18"	29+76	LT		ROUTE 115		7.00		7.00			1	0.3									
36	24" X 30"	30+19	LT		ROUTE 115		8.00		8.00			1	0.3									
37	ASSEMBLY	30+76	RT		ROUTE 115									15.25		15.25		1				
38	36" X 36"	32+47	RT		ROUTE 115		12.25		12.25	1												
39	24" X 30"	32+52	RT		ROUTE 115		8.00		8.00	1												
44	24" X 30"	32+97	LT		ROUTE 115		8.00		8.00	1												
45	36" X 36"	33+03	LT		ROUTE 115		13.50		13.50	1												
46	ASSEMBLY	35+90	LT		ROUTE 115									15.50		15.50		1				
47	ASSEMBLY	39+74	RT		ROUTE 115									14.75		14.75		1				
48	36" X 36"	41+23	RT		ROUTE 115		10.00		10.00			1	0.3									
54	36" X 36"	41+98	LT		ROUTE 115		12.50		12.50	1												
56	ASSEMBLY	42+73	LT		ROUTE 115									15.50		15.50		1				
57	18" X 24"	43+27	LT		ROUTE 115		11.50		11.50	1												
58	30" X 36"	44+85	RT		ROUTE 115		12.75		12.75	1												
59	18" X 24"	48+55	LT		ROUTE 115		11.50		11.50	1												
60	36" X 36"	49+15	LT		ROUTE 115		11.00		11.00	1												
62	ASSEMBLY	50+70	LT		ROUTE 115		13.00		13.00	1												
64	ASSEMBLY	53+04	LT		ROUTE 115									14.75		14.75		1				
65	36" X 36"	55+10	RT		ROUTE 115		12.50		12.50	1												
66	48"	56+07	LT		ROUTE 115		13.50		13.50	1												
67	48"	58+17	RT		ROUTE 115		12.75		12.75	1												
68	30" x 30"	6+74	RT		ROUTE 115		17.00		17.00	1												ASSUMED VALUE, OUTSIDE TERRAIN
69	30" x 30"	14+19	RT		ROUTE 115		9.75		9.75	1												
70	30" x 30"	55+35	RT		ROUTE 115		12.25		12.25	1												
71	30" x 30"	58+49	LT		ROUTE 115		12.50		12.50	1												
72	30" x 30"	10+99	RT		N HANLEY		12.00		12.00	1												
73	30" x 30"	16+63	LT		N HANLEY		9.75		9.75	1												
					SUBTOTAL				474.8	27	0	18	6.1			202.3	2	13	0	0.0	2	
					TOTAL				475	27	0	18	***			203	2	13	0	***	2	

*** CONCRETE FOOTING IS INCIDENTAL FOR PERFORATED SQUARE STEEL TUBE POSTS.

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
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
Jennifer Huber
01/25/2024 12:22:33 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	114

COUNTY: ST. LOUIS

JOB NO.: J6S3417

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

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

REV.	DESCRIPTION	DATE

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

D-29

ROUTE 115

SIGNING SHEET
14 OF 15

D-30 SHEET

STANDARD SIGN ASSEMBLIES

SIGN NUMBER	STATION	LOCATION	ROADWAY	TYPE: R1-1	R6-3A	R6-1L	R6-1R	R6-1R	R1-2	R2-7R	R10-15R	M4-5	M3-2	M1-1	M6-1R	M3-1	R4-7	M5-1L	M3-3	M6-3	W4-2R	R5-1	M6-1L	W11-2	W16-9P	W16-7PL	R2-1	R7-1R	M3-4	M1-5	R7-1D	R7-1L	W4-3R	R1-5
				SIGN DESCRIPTION, SIZES & NUMBER OF EACH: STOP 36" X 36"	DIVIDED HIGHWAY 30" X 24"	ONE WAY (LEFT) 36" X 12"	ONE WAY (RIGHT) 36" X 12"	ONE WAY (RIGHT) 54" X 18"	YIELD 48"	RIGHT LANE MUST TURN RIGHT 36" X 36"	TURNING VEHICLES YIELD TO PEDESTRIAN 30" X 30"	TO 24" X 12"	EAST 24" X 12"	INTERSTATE 70 SHIELD 30" X 24"	RIGHT TURN ARROW 21" X 15"	NORTH 24" X 12"	KEEP RIGHT 24" X 30"	ADVANCE LEFT TURN ARROW 21" X 15"	SOUTH 24" X 12"	STRAIGHT ARROW 21" X 15"	PAVEMENT WIDTH TRANSITION (RIGHT) 36" X 36"	DO NOT ENTER 36" X 36"	LEFT TURN ARROW 21" X 15"	PEDESTRIAN SYMBOL 48" X 48"	AHEAD 30" X 18"	45 DEGREE DIRECTIONAL ARROW (LEFT) 30" X 18"	SPEED LIMIT 35 30" X 36"	NO PARKING (RIGHT) 18" X 24"	WEST 24" X 12"	MO ROUTE 115 SHIELD 30" X 24"	NO PARKING ANY TIME (BOTH DIRECTIONS) 18" X 24"	NO PARKING (LEFT) 18" X 24"	LANE ADDED (RIGHT) 36" X 36"	YIELD HERE TO PEDESTRIANS 36" X 36"
2	3+91	76.3' RT	ROUTE 115	1	1	1	1																											
3	4+39	62.8' RT	ROUTE 115							1	1																							
4	5+46	77.5' RT	ROUTE 115																					1		1								
5	5+83	6.4' RT	ROUTE 115														1																	
6	6+44	4.9' RT	ROUTE 115														1																	
7	7+00	79.1' RT	ROUTE 115																					1		1								
8	7+18	67.0' RT	ROUTE 115																														1	
9	10+22	63.8' RT	ROUTE 115							1																								
10	11+22	63.2' RT	ROUTE 115								1																							
11	11+88	63.2' RT	ROUTE 115									1	1	2	2	1																		
12	12+47	62.3' RT	ROUTE 115																					1		1								
13	13+29	4.7' LT	ROUTE 115														1																	
14	14+10	6.1' RT	ROUTE 115														1																	
15	14+30	73.6' LT	ROUTE 115						1																									
16	14+33	76.7' RT	ROUTE 115																					1		1								
17	14+50	65.3' RT	ROUTE 115																														1	
18	15+35	54.7' LT	ROUTE 115											2		1		1	1	1														
19	15+54	66.9' RT	ROUTE 115																		1	1												
20	15+67	54.9' LT	ROUTE 115								1																							
21	16+16	1.1' RT	ROUTE 115					1																										
23	17+76	3.3' LT	ROUTE 115														1																	
25	19+12	48.1' LT	ROUTE 115											2		1			1	1			1											
26	19+65	6.6' LT	ROUTE 115					1																										
27	20+42	9.0' RT	ROUTE 115														1																	
28	21+69	1.0' RT	ROUTE 115														1																	
29	23+12	2.5' LT	ROUTE 115					2																										
30	25+16	10.0' LT	ROUTE 115														1																	
31	25+99	4.3' LT	ROUTE 115														1																	
32	26+07	0.5' LT	ROUTE 115					1																										
33	26+41	0.5' LT	ROUTE 115					1																										
34	27+27	0.4' LT	ROUTE 115					1																										
35	29+76	7.1' LT	ROUTE 115					1																										
36	30+19	6.7' LT	ROUTE 115														1																	
37	30+76	37.7' RT	ROUTE 115																					1	1									
38	32+47	38.3' RT	ROUTE 115																															1
39	32+52	0.3' RT	ROUTE 115														1																	
44	32+97	0.2' LT	ROUTE 115														1																	
45	33+03	42.0' LT	ROUTE 115																															1
46	35+90	45.3' LT	ROUTE 115																					1	1									
47	39+74	37.6' RT	ROUTE 115																					1	1									
48	41+23	31.9' RT	ROUTE 115																															1
54	41+98	31.6' LT	ROUTE 115																															1
56	4273	31.4' LT	ROUTE 115																					1	1									
57	43+27	31.6' LT	ROUTE 115																														1	
58	44+85	31.3' RT	ROUTE 115																								1							
59	48+55	31.2' LT	ROUTE 115																									1						
60	49+15	44.4' LT	ROUTE 115	1																														
62	50+70	31.7' LT	ROUTE 115																										1	1				
64	53+04	30.1' LT	ROUTE 115																								1				1			
65	55+10	33.2 ' RT	ROUTE 115							1																								
66	56+07	46.8' LT	ROUTE 115						1																									
67	58+17	37.8' RT	ROUTE 115						1																									
68	6+74	144.8' RT	ROUTE 115								1																							
69	14+19	125.8' RT	ROUTE 116								1																							
70	55+35	32.5; RT	ROUTE 115								1																							
71	58+49	31.2' LT	ROUTE 115								1																							
72	10+99	42.1' RT	N HANLEY								1																							
73	16+63	45.3' LT	N HANLEY								1																							
			TOTAL	2	1	1	1	8	3	3	9	1	1	6	2	3	12	1	2	2	1	1	1	8	4	4	2	1	1	1	1	2	4

SIGN SUMMARY

STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE, TYPE & SQUARE FEET: SIZE	FLAT SHEET SH	FLAT SHEET FLUORESCENT SHF *
			SQFT	ITEM NO. 9065004A	ITEM NO. 9035069A
2, 60	R1-1	2	7.5	14.9	
2	R6-3A	1	5.0	5.0	
2	R6-1L	1	3.0	3.0	
2	R6-1R	1	3.0	3.0	
21, 26, 29, 32, 33, 34, 35	R6-1R	8	6.8	54.0	
15, 66, 67	R1-2	3	6.9	20.8	
3, 9, 65	R3-7R	3	9.0	27.0	
3, 10, 20, 68, 69, 70, 71, 72, 73	R10-15R	9	6.3	56.3	
11	M4-5	1	2.0	2.0	
11	M3-2	1	2.0	2.0	
11, 18, 25	M1-1	6	5.0	30.0	
11	M6-1R	2	2.2	4.4	
11, 18, 25	M3-1	3	2.0	6.0	
5, 6, 13, 14, 23, 27, 28, 30, 31, 36, 39, 44	R4-7	12	5.0	60.0	
18	M5-1L	1	2.2	2.2	
18, 25	M3-3	2	2.0	4.0	
18, 25	M6-3	2	2.2	4.4	
19	W4-2R	1	9.0		9.0
19	R5-1	1	9.0	9.0	
25	M6-1L	1	2.2	2.2	
4, 7, 12, 16, 37, 46, 47, 56	W11-2	8	16.0		128.0
37, 46, 47, 56	W16-9P	4	3.8		15.0
4, 7, 12, 16	W16-7PL	4	3.8		15.0
58, 64	R2-1	2	7.5	15.0	
59	R7-1R	1	3.0	3.0	
62	M3-4	1	2.0	2.0	
62	M1-5	1	5.0	5.0	
64	R7-1D	1	3.0	3.0	
57	R7-1L	1	3.0	3.0	
8, 17	W4-3R	2	9.0		18.0
38, 45, 48, 54	R1-5	4	9.0	36.0	
		TOTAL	377		185

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.

D-30

ROUTE 115

SIGNING SHEET
15 OF 15

STATE OF MISSOURI · JENNIFER L. HUBER · NUMBER PE-2022000257 · PROFESSIONAL ENGINEER

Jennifer Huber

01/25/2024 12:22:33 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED: 1/25/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 115
COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IWT = INTERMITTENT WHITE THERMOPLASTIC LINE
DW = DOTTED WHITE LINE (3 FT. LINE, 9 FT. GAPS)
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
DYT = DOTTED YELLOW THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW
IY = INTERMITTENT YELLOW LINE

STRAIGHT ARROW (WHITE THERMOPLASTIC)
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)
30" X 6' WHITE CONTINENTAL CROSSWALK MARKINGS (30" GAP) (WHITE THERMOPLASTIC)
LANE REDUCTION ARROW (WHITE THERMOPLASTIC)

SCALE
0 20 40 60

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) SPECIFICATIONS, 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
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER
01/23/24

BEGIN MILL & OVERLAY
STA. 2+95.95

℄ RTE. 115

℄ BOLBECHER RD

BOLBECHER RD

ENGLER AVE

SB I-170

SB I-170 RAMPS

MATCHLINE 7+50.00

4" SY
6" SW
6" IW
LT TURN ARROW
6" DWT
4" SY PERIMETER
24" SWT STOP BAR
12' LANE
10' LANE
R 40'
R 66'
RT TURN ARROW
CONTINENTAL CROSSWALK
12" YIELD TRIANGLES (9 EACH)
12" DWT

NOTES:

PROPOSED PAVEMENT MARKINGS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED AND DIRECTED BY THE ENGINEER.

ALL STOP BARS AND YIELD BARS SHALL BE MINIMUM OF 4'FROM CROSSWALK MARKINGS UNLESS STATIONED OTHERWISE.

ALL LANE LINES SHALL BE HIGH BUILD PAVEMENT MARKING PAINT WITH TYPE "L" BEADS UNLESS LABELED OTHERWISE.

SHEET 1 OF 12
PAVEMENT MARKINGS
ROUTE 115

DATE PREPARED 1/23/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 116
COUNTY ST.LOUIS
JOB NO. J6S3417
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)

EDSI
ENGINEERING DESIGN SOURCE, INC
16141 SWINGLEY RIDGE RD. SUITE 300
CHESTERFIELD, MO 63017
MISSOURI STATE ENGINEERING COMPANY
CERTIFICATE OF AUTHORITY #001523

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

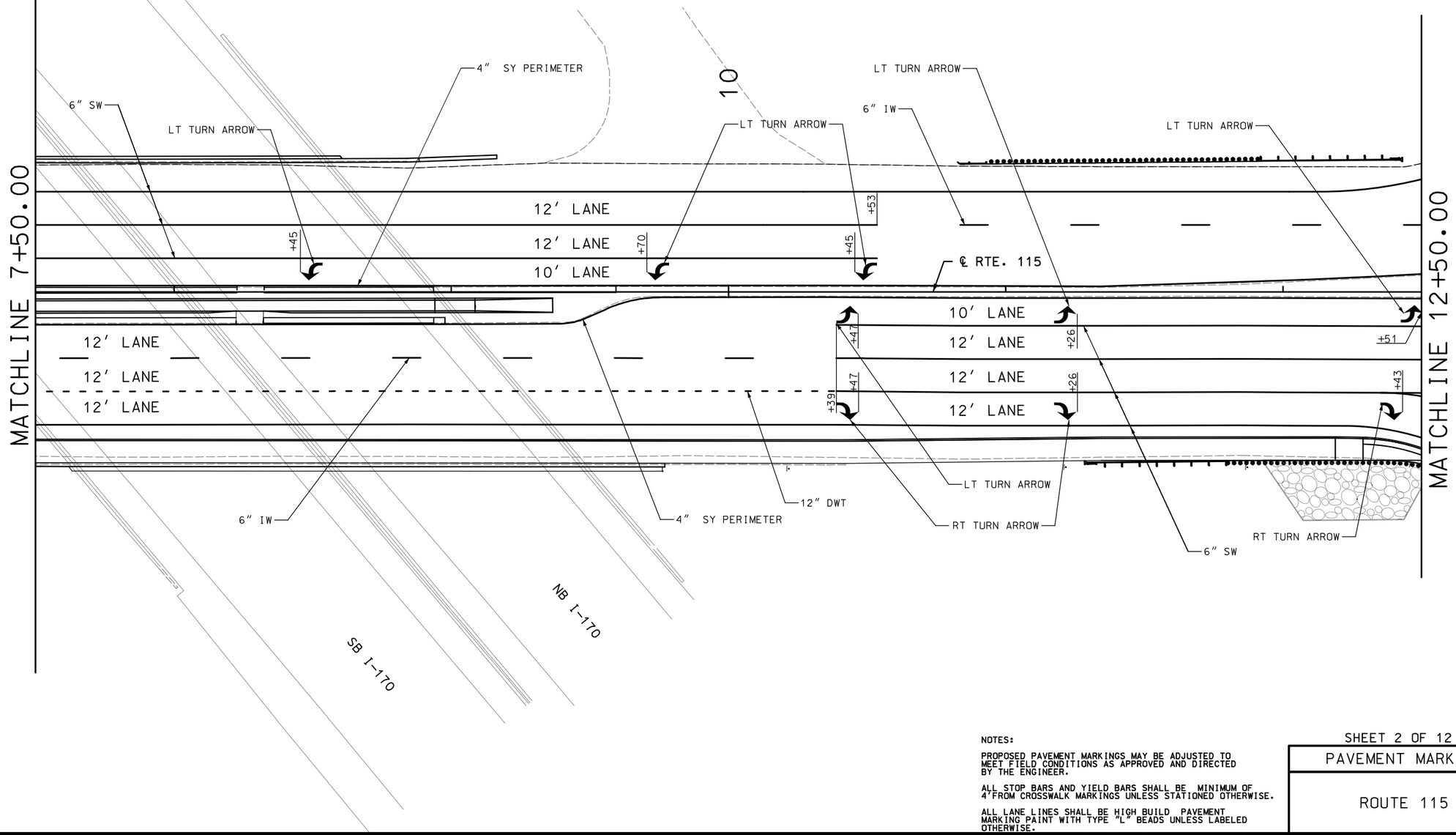
N:\E21037 CMT - Route 115\drawings\Output\X1_PM_01_J6S3417_Rte115_i20.dgn

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IWT = INTERMITTENT WHITE THERMOPLASTIC LINE
DW = DOTTED WHITE LINE (3 FT. LINE, 9 FT. GAPS)
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
DYT = DOTTED YELLOW THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW
IY = INTERMITTENT YELLOW LINE

↑ STRAIGHT ARROW (WHITE THERMOPLASTIC)
↰ LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
↱ COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)
30" X 6' WHITE CONTINENTAL CROSSWALK MARKINGS (30" GAP) (WHITE THERMOPLASTIC)
LANE REDUCTION ARROW (WHITE THERMOPLASTIC)

SCALE
0 20 40 60



NOTES:

PROPOSED PAVEMENT MARKINGS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED AND DIRECTED BY THE ENGINEER.

ALL STOP BARS AND YIELD BARS SHALL BE MINIMUM OF 4' FROM CROSSWALK MARKINGS UNLESS STATIONED OTHERWISE.

ALL LANE LINES SHALL BE HIGH BUILD PAVEMENT MARKING PAINT WITH TYPE "L" BEADS UNLESS LABELED OTHERWISE.

SHEET 2 OF 12
PAVEMENT MARKINGS
ROUTE 115

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
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER
01/23/24

DATE PREPARED 1/23/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 117
COUNTY ST.LOUIS
JOB NO. J6S3417
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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16141 SWINGLEY RIDGE RD., SUITE 300
CHESTERFIELD, MO 63017
MISSOURI STATE ENGINEERING COMPANY CERTIFICATE OF AUTHORITY #001523

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

N:\E21037 CMT - Route 115\drawings\Output\X2_PM_02_J6S3417_Rte115_i20.dgn 1/23/2024

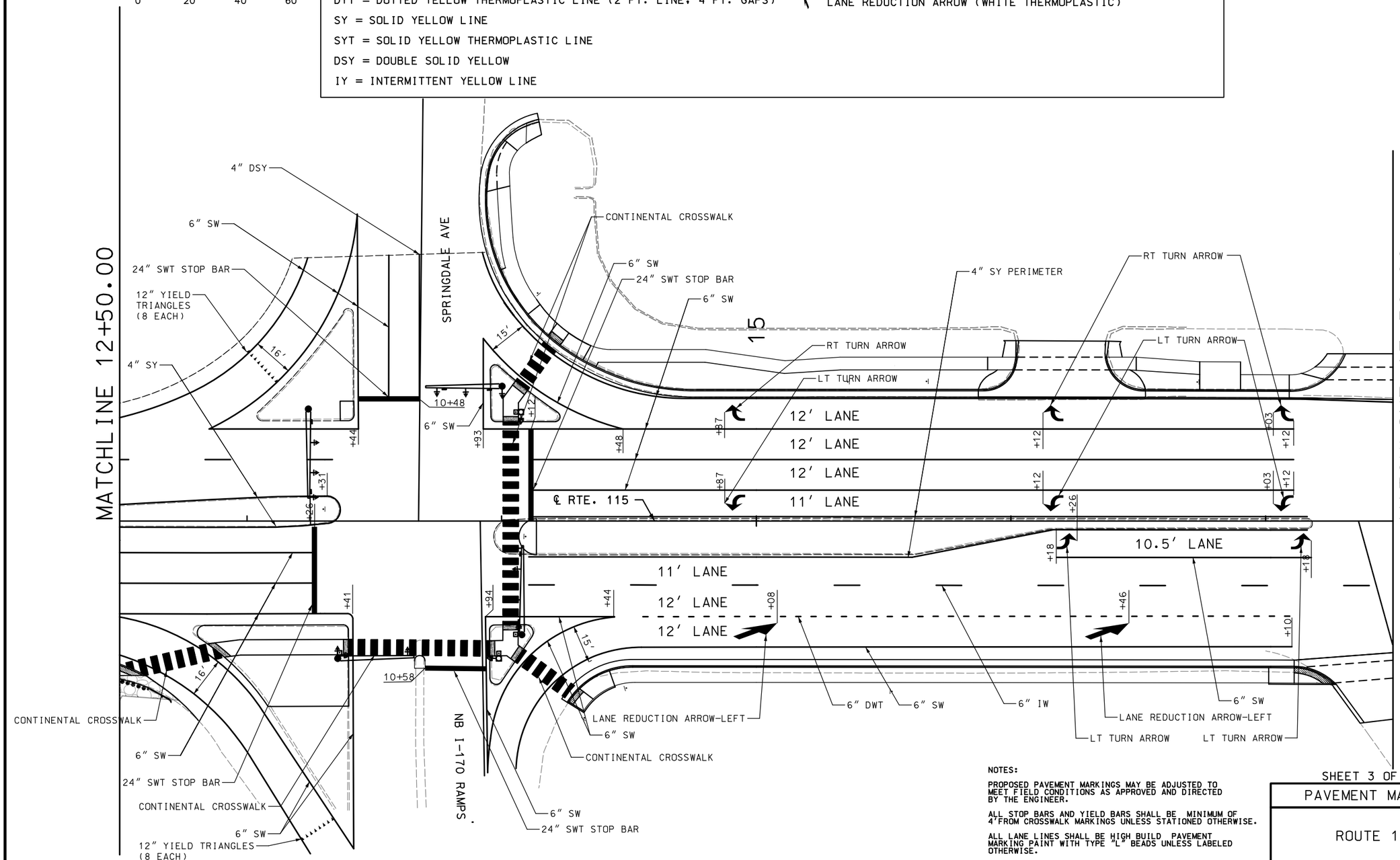
STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IWT = INTERMITTENT WHITE THERMOPLASTIC LINE
DW = DOTTED WHITE LINE (3 FT. LINE, 9 FT. GAPS)
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
DYT = DOTTED YELLOW THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW
IY = INTERMITTENT YELLOW LINE

STRAIGHT ARROW (WHITE THERMOPLASTIC)
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)
30" X 6' WHITE CONTINENTAL CROSSWALK MARKINGS (30" GAP) (WHITE THERMOPLASTIC)
LANE REDUCTION ARROW (WHITE THERMOPLASTIC)

SCALE
0 20 40 60

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) SPECIFICATIONS, 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.



NOTES:

PROPOSED PAVEMENT MARKINGS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED AND DIRECTED BY THE ENGINEER.

ALL STOP BARS AND YIELD BARS SHALL BE MINIMUM OF 4'FROM CROSSWALK MARKINGS UNLESS STATIONED OTHERWISE.

ALL LANE LINES SHALL BE HIGH BUILD PAVEMENT MARKING PAINT WITH TYPE "L" BEADS UNLESS LABELED OTHERWISE.

SHEET 3 OF 12

PAVEMENT MARKINGS

ROUTE 115

STATE OF MISSOURI
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER
01/23/24

DATE PREPARED 1/23/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 118
COUNTY ST.LOUIS
JOB NO. J6S3417
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)

EDSI
ENGINEERING DESIGN SOURCE, INC
16141 SWINGLEY RIDGE RD., SUITE 300
CHESTERFIELD, MO 63017
MISSOURI STATE ENGINEERING COMPANY CERTIFICATE OF AUTHORITY #001523

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

N:\E21037 CMT - Route 115\drawings\Output\X3_PM_03_J6S3417_Rte115_i20.dgn 1/23/2024

SCALE

0 20 40 60

STRIPING KEY

SW = SOLID WHITE LINE

SWT = SOLID WHITE THERMOPLASTIC LINE

IW = INTERMITTENT WHITE LINE

IWT = INTERMITTENT WHITE THERMOPLASTIC LINE

DW = DOTTED WHITE LINE (3 FT. LINE, 9 FT. GAPS)

DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)

DYT = DOTTED YELLOW THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)

SY = SOLID YELLOW LINE

SYT = SOLID YELLOW THERMOPLASTIC LINE

DSY = DOUBLE SOLID YELLOW

IY = INTERMITTENT YELLOW LINE

↑ STRAIGHT ARROW (WHITE THERMOPLASTIC)

↰ LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)

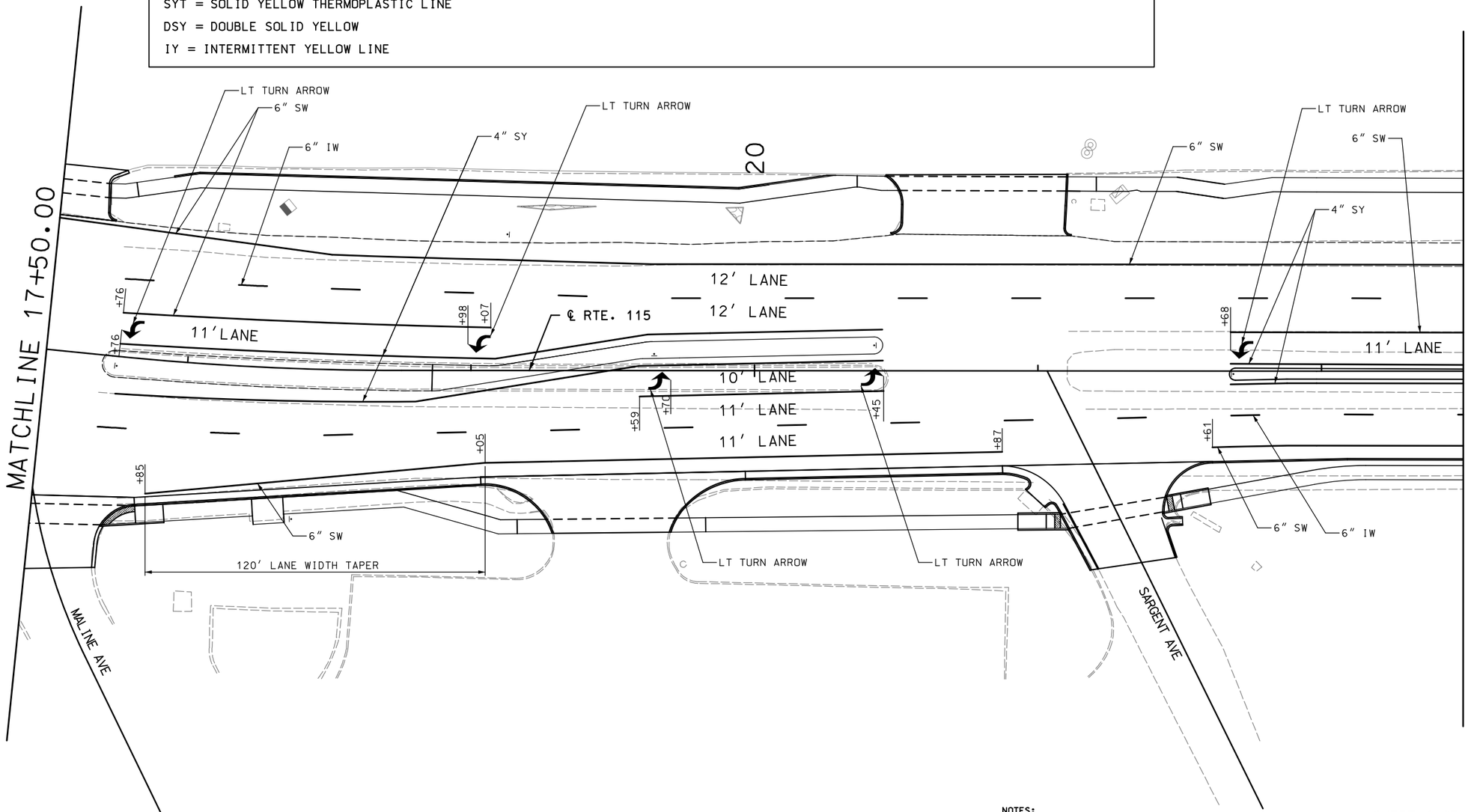
↱ COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)

YIELD BAR (WHITE THERMOPLASTIC)

30″ X 6′ WHITE CONTINENTAL CROSSWALK MARKINGS (30″ GAP) (WHITE THERMOPLASTIC)

LANE REDUCTION ARROW (WHITE THERMOPLASTIC)

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) SPECIFICATIONS, 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.



NOTES:

PROPOSED PAVEMENT MARKINGS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED AND DIRECTED BY THE ENGINEER.

ALL STOP BARS AND YIELD BARS SHALL BE MINIMUM OF 4′ FROM CROSSWALK MARKINGS UNLESS STATIONED OTHERWISE.

ALL LANE LINES SHALL BE HIGH BUILD PAVEMENT MARKING PAINT WITH TYPE "L" BEADS UNLESS LABELED OTHERWISE.

SHEET 4 OF 12

PAVEMENT MARKINGS

ROUTE 115

STATE OF MISSOURI
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER
01/23/24

DATE PREPARED	
1/23/2024	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	119
COUNTY	
ST.LOUIS	
JOB NO.	
J6S3417	
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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16141 SWINGLEY RIDGE RD., SUITE 300
CHESTERFIELD, MO 63017
MISSOURI STATE ENGINEERING COMPANY
CERTIFICATE OF AUTHORITY #001523

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

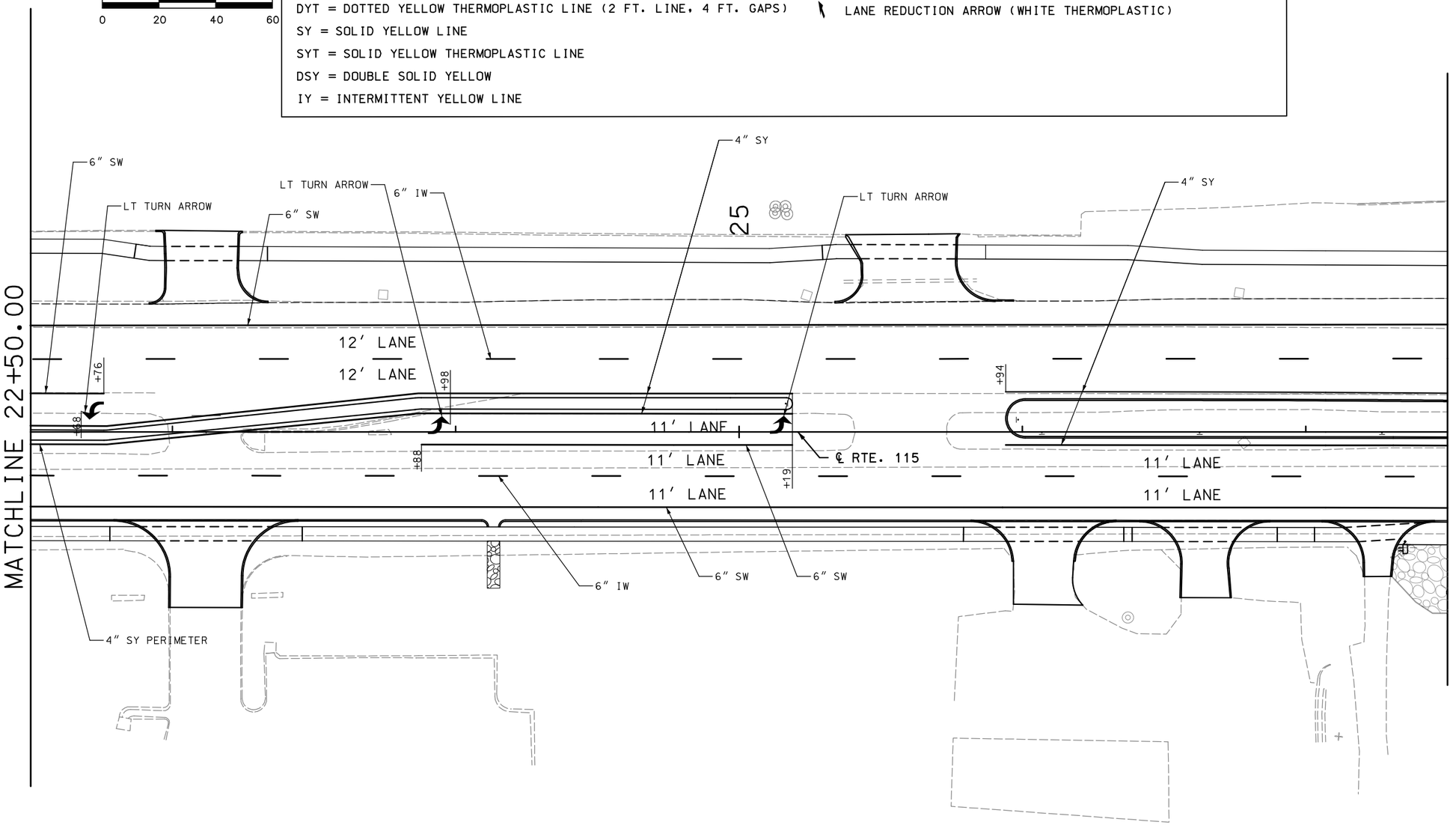
STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IWT = INTERMITTENT WHITE THERMOPLASTIC LINE
DW = DOTTED WHITE LINE (3 FT. LINE, 9 FT. GAPS)
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
DYT = DOTTED YELLOW THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW
IY = INTERMITTENT YELLOW LINE

STRAIGHT ARROW (WHITE THERMOPLASTIC)
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)
30" X 6' WHITE CONTINENTAL CROSSWALK MARKINGS (30" GAP) (WHITE THERMOPLASTIC)
LANE REDUCTION ARROW (WHITE THERMOPLASTIC)

SCALE
0 20 40 60

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.



NOTES:

PROPOSED PAVEMENT MARKINGS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED AND DIRECTED BY THE ENGINEER.

ALL STOP BARS AND YIELD BARS SHALL BE MINIMUM OF 4'FROM CROSSWALK MARKINGS UNLESS STATIONED OTHERWISE.

ALL LANE LINES SHALL BE HIGH BUILD PAVEMENT MARKING PAINT WITH TYPE "L" BEADS UNLESS LABELED OTHERWISE.

SHEET 5 OF 12

PAVEMENT MARKINGS

ROUTE 115

STATE OF MISSOURI
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER
01/23/24

DATE PREPARED 1/23/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 120
COUNTY ST.LOUIS
JOB NO. J6S3417
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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16141 SWINGLEY RIDGE RD., SUITE 300
CHESTERFIELD, MO 63017
MISSOURI STATE ENGINEERING COMPANY CERTIFICATE OF AUTHORITY #001523

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

N:\E21037 CMT - Route 115\drawings\Output\X5_PM_05_J6S3417_Rte115_120.dgn 1/23/2024

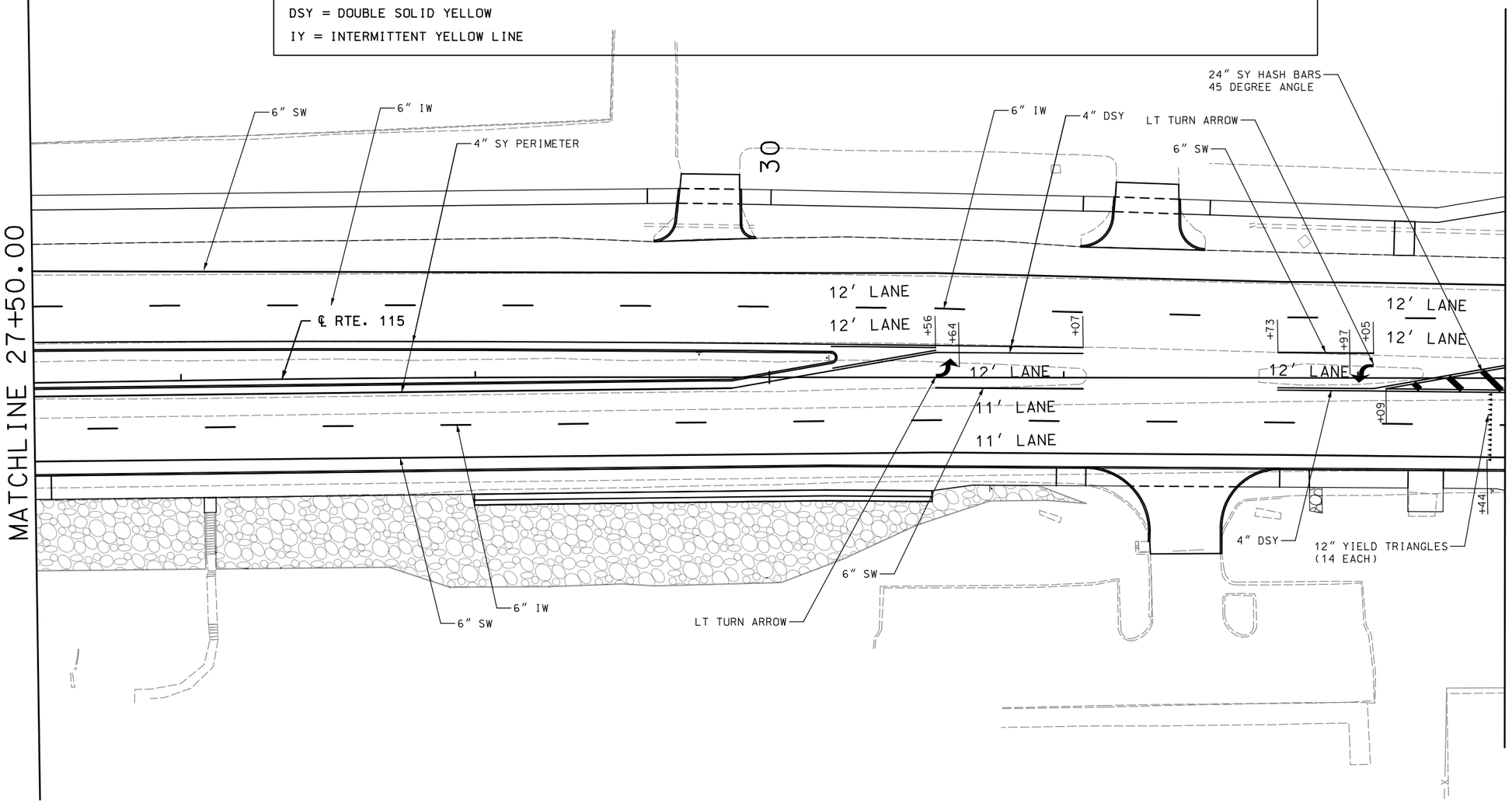
STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IWT = INTERMITTENT WHITE THERMOPLASTIC LINE
DW = DOTTED WHITE LINE (3 FT. LINE, 9 FT. GAPS)
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
DYT = DOTTED YELLOW THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW
IY = INTERMITTENT YELLOW LINE

STRAIGHT ARROW (WHITE THERMOPLASTIC)
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)
30" X 6' WHITE CONTINENTAL CROSSWALK MARKINGS (30" GAP) (WHITE THERMOPLASTIC)
LANE REDUCTION ARROW (WHITE THERMOPLASTIC)

SCALE
0 20 40 60

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.



NOTES:

PROPOSED PAVEMENT MARKINGS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED AND DIRECTED BY THE ENGINEER.

ALL STOP BARS AND YIELD BARS SHALL BE MINIMUM OF 4'FROM CROSSWALK MARKINGS UNLESS STATIONED OTHERWISE.

ALL LANE LINES SHALL BE HIGH BUILD PAVEMENT MARKING PAINT WITH TYPE "L" BEADS UNLESS LABELED OTHERWISE.

SHEET 6 OF 12
PAVEMENT MARKINGS
ROUTE 115

STATE OF MISSOURI
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER
01/23/24

DATE PREPARED 1/23/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 121
COUNTY ST.LOUIS
JOB NO. J6S3417
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)

EDSI
ENGINEERING DESIGN SOURCE, INC
16141 SWINGLEY RIDGE RD. SUITE 300
CHESTERFIELD, MO 63017
MISSOURI STATE ENGINEERING COMPANY CERTIFICATE OF AUTHORITY #001523

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

STRIPING KEY

SW = SOLID WHITE LINE

SWT = SOLID WHITE THERMOPLASTIC LINE

IW = INTERMITTENT WHITE LINE

IWT = INTERMITTENT WHITE THERMOPLASTIC LINE

DW = DOTTED WHITE LINE (3 FT. LINE, 9 FT. GAPS)

DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)

DYT = DOTTED YELLOW THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)

SY = SOLID YELLOW LINE

SYT = SOLID YELLOW THERMOPLASTIC LINE

DSY = DOUBLE SOLID YELLOW

IY = INTERMITTENT YELLOW LINE

↑ STRAIGHT ARROW (WHITE THERMOPLASTIC)

↰ LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)

↱ COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)

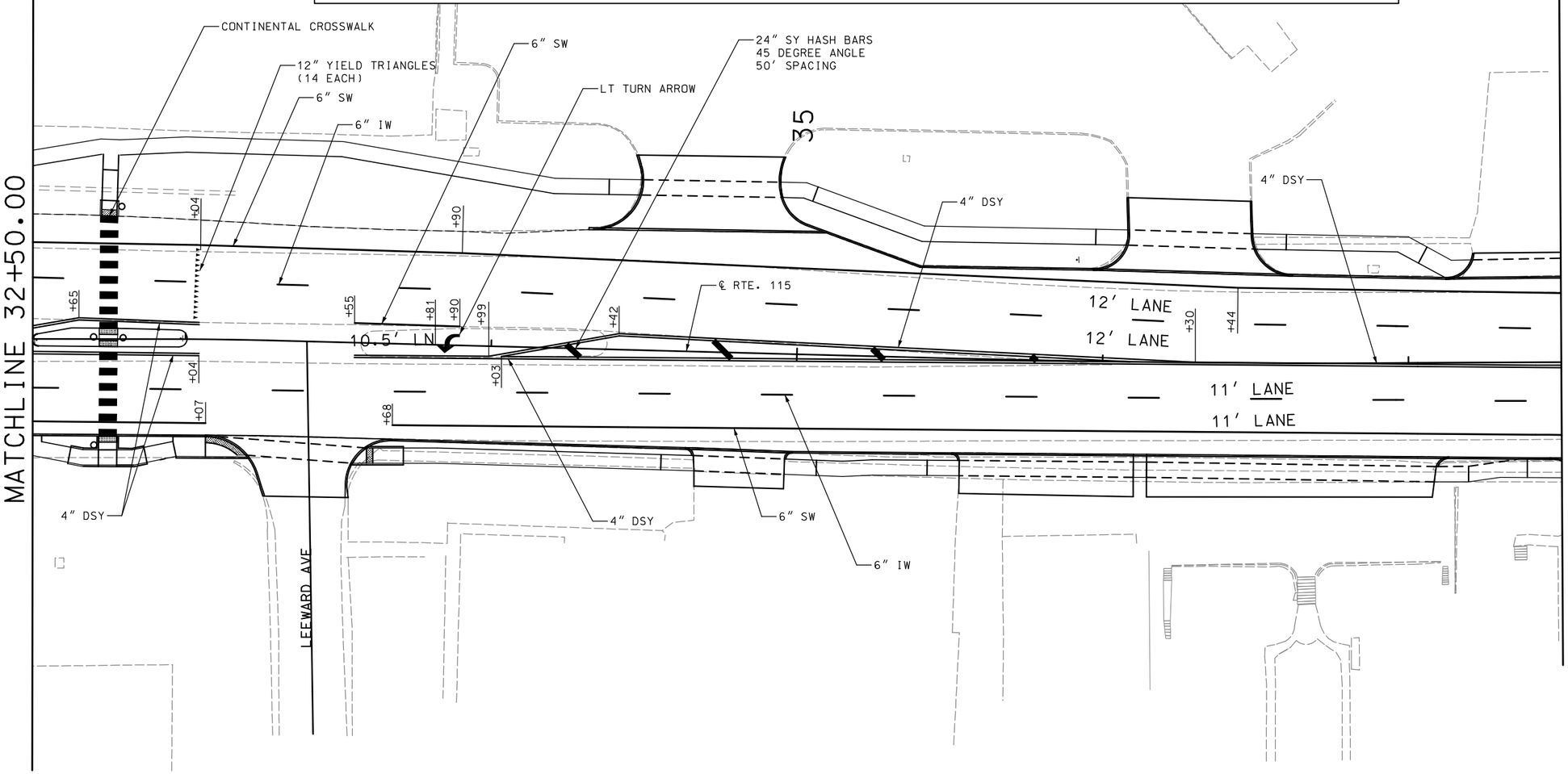
YIELD BAR (WHITE THERMOPLASTIC)

30" X 6' WHITE CONTINENTAL CROSSWALK MARKINGS (30" GAP) (WHITE THERMOPLASTIC)

LANE REDUCTION ARROW (WHITE THERMOPLASTIC)

SCALE

0 20 40 60



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
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER
01/23/24

DATE PREPARED 1/23/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	122

COUNTY: ST.LOUIS
JOB NO.: J6S3417
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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16141 SWINGLEY RIDGE RD, SUITE 300
CHESTERFIELD, MO 63017
MISSOURI STATE ENGINEERING COMPANY CERTIFICATE OF AUTHORITY #001523

NOTES:

PROPOSED PAVEMENT MARKINGS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED AND DIRECTED BY THE ENGINEER.

ALL STOP BARS AND YIELD BARS SHALL BE MINIMUM OF 4'FROM CROSSWALK MARKINGS UNLESS STATIONED OTHERWISE.

ALL LANE LINES SHALL BE HIGH BUILD PAVEMENT MARKING PAINT WITH TYPE "L" BEADS UNLESS LABELED OTHERWISE.

SHEET 7 OF 12

PAVEMENT MARKINGS

ROUTE 115

STRIPING KEY

SW = SOLID WHITE LINE

SWT = SOLID WHITE THERMOPLASTIC LINE

IW = INTERMITTENT WHITE LINE

IWT = INTERMITTENT WHITE THERMOPLASTIC LINE

DW = DOTTED WHITE LINE (3 FT. LINE, 9 FT. GAPS)

DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)

DYT = DOTTED YELLOW THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)

SY = SOLID YELLOW LINE

SYT = SOLID YELLOW THERMOPLASTIC LINE

DSY = DOUBLE SOLID YELLOW

IY = INTERMITTENT YELLOW LINE

STRAIGHT ARROW (WHITE THERMOPLASTIC)

LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)

COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)

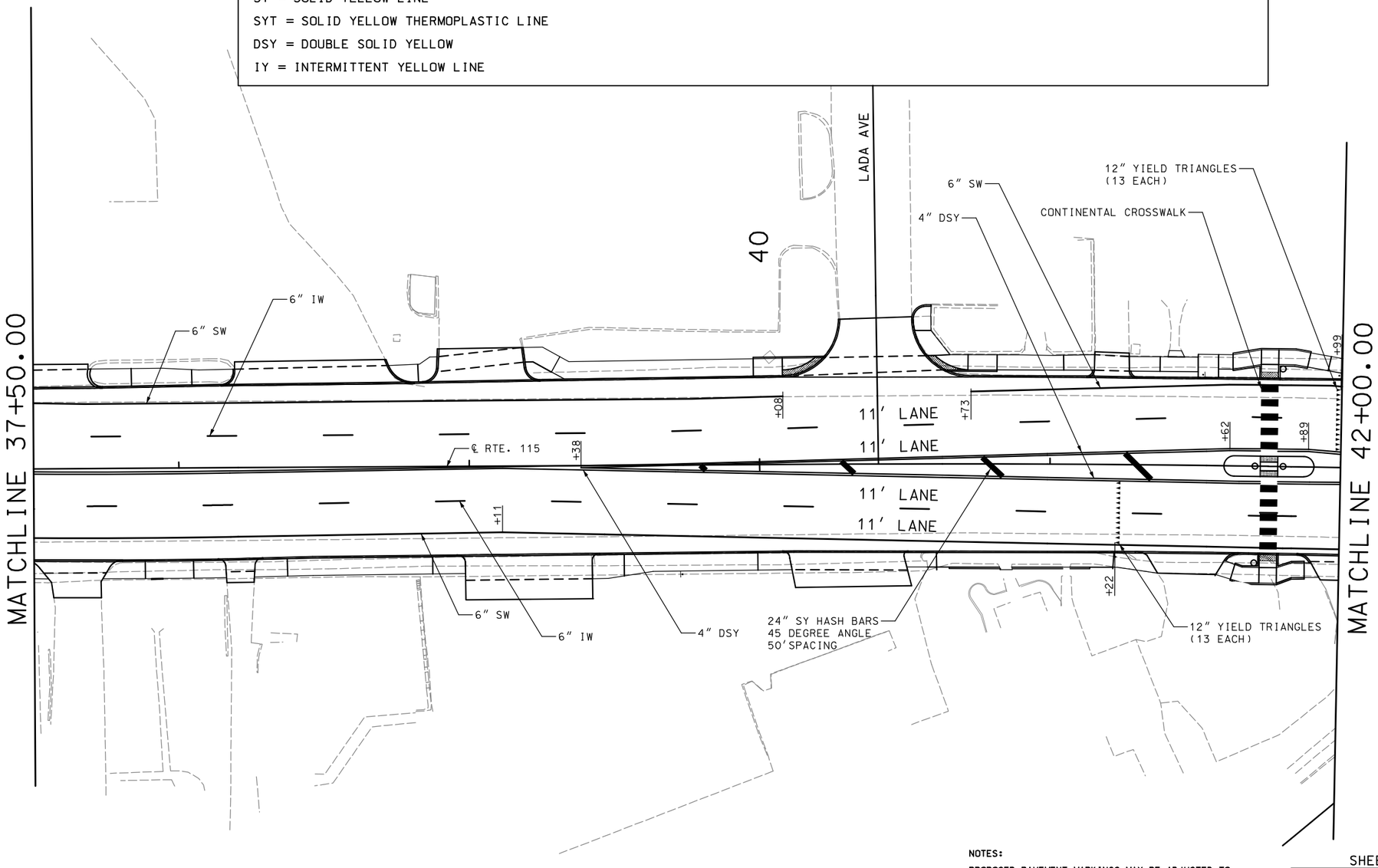
YIELD BAR (WHITE THERMOPLASTIC)

30" X 6' WHITE CONTINENTAL CROSSWALK MARKINGS (30" GAP) (WHITE THERMOPLASTIC)

LANE REDUCTION ARROW (WHITE THERMOPLASTIC)

SCALE

0 20 40 60



NOTES:

PROPOSED PAVEMENT MARKINGS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED AND DIRECTED BY THE ENGINEER.

ALL STOP BARS AND YIELD BARS SHALL BE MINIMUM OF 4'FROM CROSSWALK MARKINGS UNLESS STATIONED OTHERWISE.

ALL LANE LINES SHALL BE HIGH BUILD PAVEMENT MARKING PAINT WITH TYPE "L" BEADS UNLESS LABELED OTHERWISE.

SHEET 8 OF 12

PAVEMENT MARKINGS

ROUTE 115

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
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER

01/23/24

DATE PREPARED
1/23/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	123

COUNTY
ST.LOUIS

JOB NO.
J6S3417

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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16141 SWINGLEY RIDGE RD., SUITE 300
CHESTERFIELD, MO 63017
MISSOURI STATE ENGINEERING COMPANY
CERTIFICATE OF AUTHORITY #001523

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

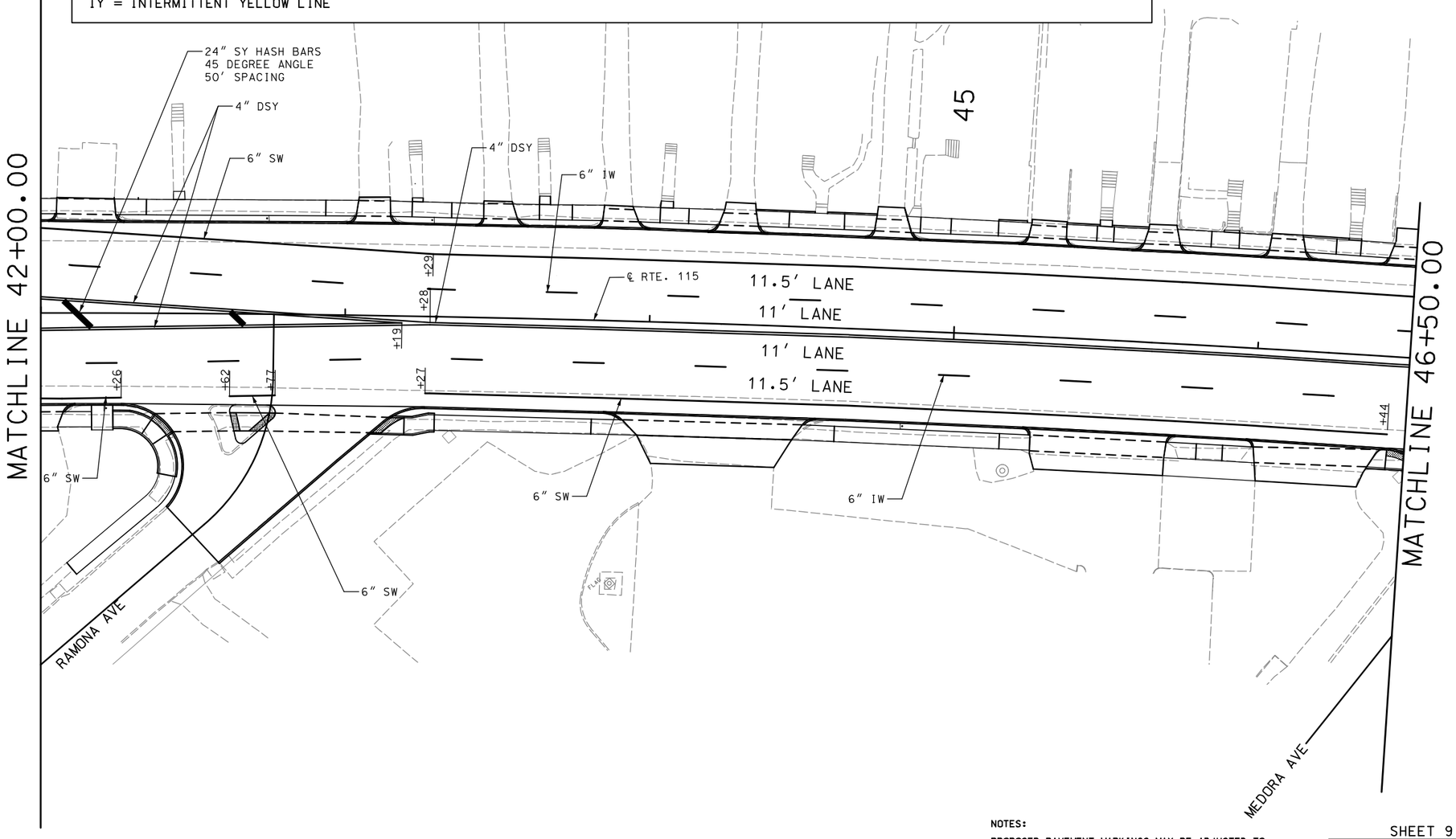
STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IWT = INTERMITTENT WHITE THERMOPLASTIC LINE
DW = DOTTED WHITE LINE (3 FT. LINE, 9 FT. GAPS)
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
DYT = DOTTED YELLOW THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW
IY = INTERMITTENT YELLOW LINE

STRAIGHT ARROW (WHITE THERMOPLASTIC)
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)
30" X 6' WHITE CONTINENTAL CROSSWALK MARKINGS (30" GAP) (WHITE THERMOPLASTIC)
LANE REDUCTION ARROW (WHITE THERMOPLASTIC)

SCALE
0 20 40 60

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.



NOTES:

PROPOSED PAVEMENT MARKINGS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED AND DIRECTED BY THE ENGINEER.

ALL STOP BARS AND YIELD BARS SHALL BE MINIMUM OF 4'FROM CROSSWALK MARKINGS UNLESS STATIONED OTHERWISE.

ALL LANE LINES SHALL BE HIGH BUILD PAVEMENT MARKING PAINT WITH TYPE "L" BEADS UNLESS LABELED OTHERWISE.

SHEET 9 OF 12

PAVEMENT MARKINGS

ROUTE 115

STATE OF MISSOURI
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER
01/23/24

DATE PREPARED 1/23/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 124
COUNTY ST.LOUIS
JOB NO. J6S3417
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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16141 SWINGLEY RIDGE RD., SUITE 300
CHESTERFIELD, MO 63017
MISSOURI STATE ENGINEERING COMPANY
CERTIFICATE OF AUTHORITY #001523

SCALE

0 20 40 60

STRIPING KEY

SW = SOLID WHITE LINE

SWT = SOLID WHITE THERMOPLASTIC LINE

IW = INTERMITTENT WHITE LINE

IWT = INTERMITTENT WHITE THERMOPLASTIC LINE

DW = DOTTED WHITE LINE (3 FT. LINE, 9 FT. GAPS)

DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)

DYT = DOTTED YELLOW THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)

SY = SOLID YELLOW LINE

SYT = SOLID YELLOW THERMOPLASTIC LINE

DSY = DOUBLE SOLID YELLOW

IY = INTERMITTENT YELLOW LINE

↑ STRAIGHT ARROW (WHITE THERMOPLASTIC)

↰ LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)

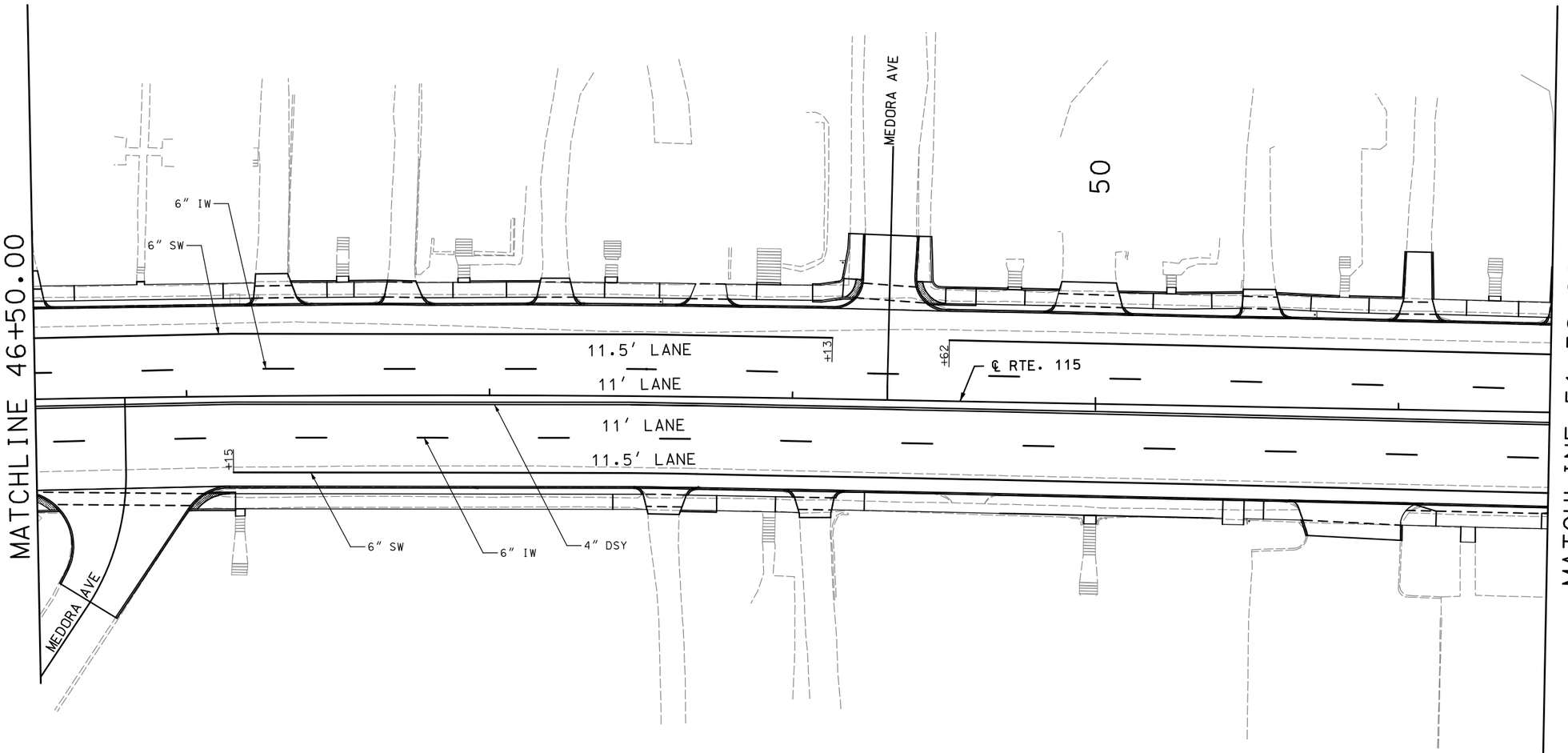
↱ COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)

YIELD BAR (WHITE THERMOPLASTIC)

30″ X 6′ WHITE CONTINENTAL CROSSWALK MARKINGS (30″ GAP) (WHITE THERMOPLASTIC)

LANE REDUCTION ARROW (WHITE THERMOPLASTIC)

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.



NOTES:

PROPOSED PAVEMENT MARKINGS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED AND DIRECTED BY THE ENGINEER.

ALL STOP BARS AND YIELD BARS SHALL BE MINIMUM OF 4′ FROM CROSSWALK MARKINGS UNLESS STATIONED OTHERWISE.

ALL LANE LINES SHALL BE HIGH BUILD PAVEMENT MARKING PAINT WITH TYPE "L" BEADS UNLESS LABELED OTHERWISE.

SHEET 10 OF 12

PAVEMENT MARKINGS

ROUTE 115

STATE OF MISSOURI
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER
01/23/24

DATE PREPARED 1/23/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	125

COUNTY: ST.LOUIS

JOB NO.: J6S3417

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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16141 SWINGLEY RIDGE RD., SUITE 300
CHESTERFIELD, MO 63017
MISSOURI STATE ENGINEERING COMPANY CERTIFICATE OF AUTHORITY #001523

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

SCALE

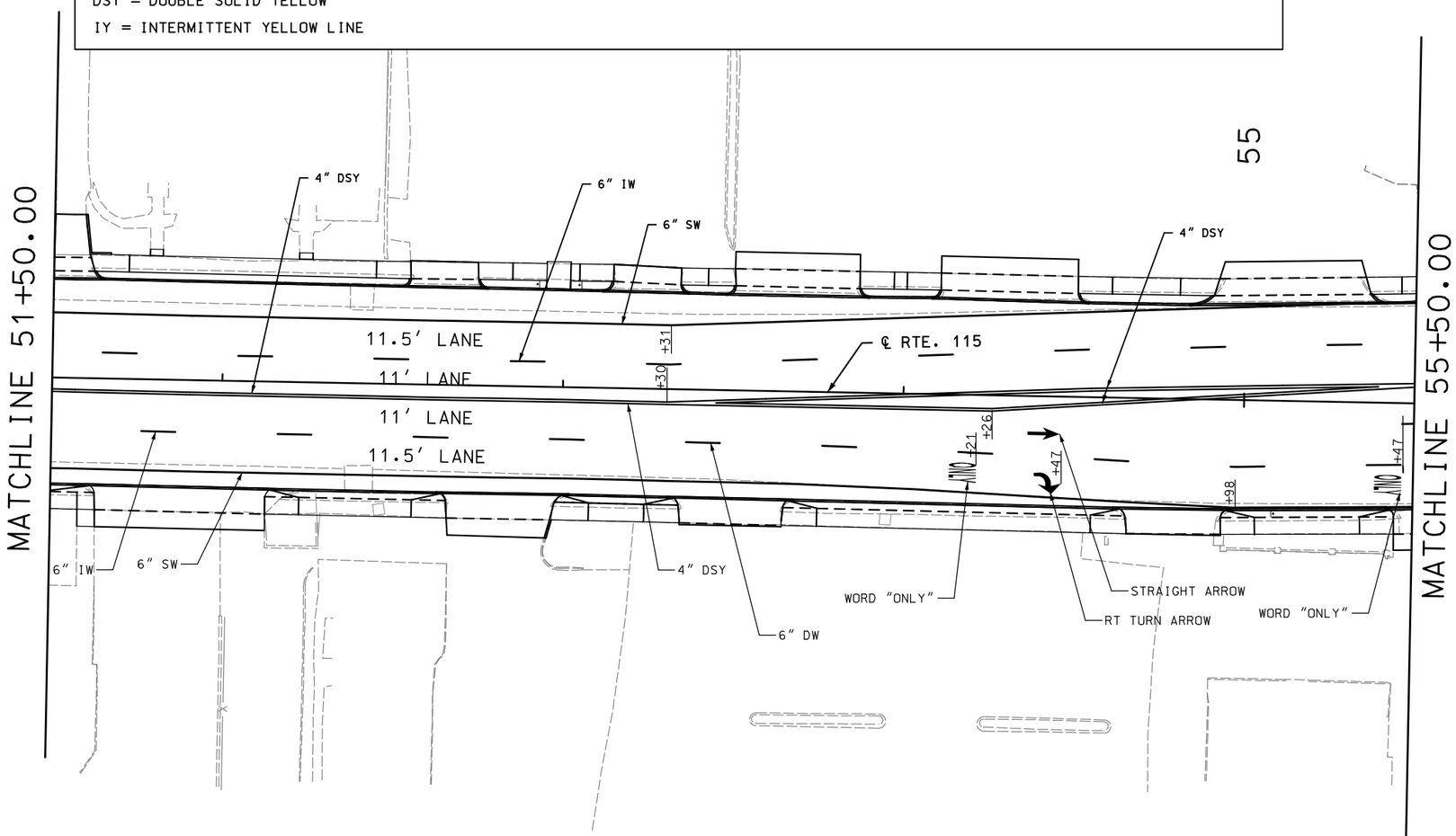
0 20 40 60

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IWT = INTERMITTENT WHITE THERMOPLASTIC LINE
DW = DOTTED WHITE LINE (3 FT. LINE, 9 FT. GAPS)
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
DYT = DOTTED YELLOW THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW
IY = INTERMITTENT YELLOW LINE

↑ STRAIGHT ARROW (WHITE THERMOPLASTIC)
↰ LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
↱ COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)
30" X 6' WHITE CONTINENTAL CROSSWALK MARKINGS (30" GAP) (WHITE THERMOPLASTIC)
LANE REDUCTION ARROW (WHITE THERMOPLASTIC)

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) SPECIFICATIONS, 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.



NOTES:

PROPOSED PAVEMENT MARKINGS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED AND DIRECTED BY THE ENGINEER.

ALL STOP BARS AND YIELD BARS SHALL BE MINIMUM OF 4' FROM CROSSWALK MARKINGS UNLESS STATIONED OTHERWISE.

ALL LANE LINES SHALL BE HIGH BUILD PAVEMENT MARKING PAINT WITH TYPE "L" BEADS UNLESS LABELED OTHERWISE.

SHEET 11 OF 12

PAVEMENT MARKINGS

ROUTE 115

STATE OF MISSOURI
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER
01/23/24

DATE PREPARED 1/23/2024
ROUTE 115 | STATE MO
DISTRICT SL | SHEET NO. 126
COUNTY ST.LOUIS
JOB NO. J6S3417
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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16141 SWINGLEY RIDGE RD., SUITE 300
CHESTERFIELD, MO 63017
MISSOURI STATE ENGINEERING COMPANY CERTIFICATE OF AUTHORITY #001523

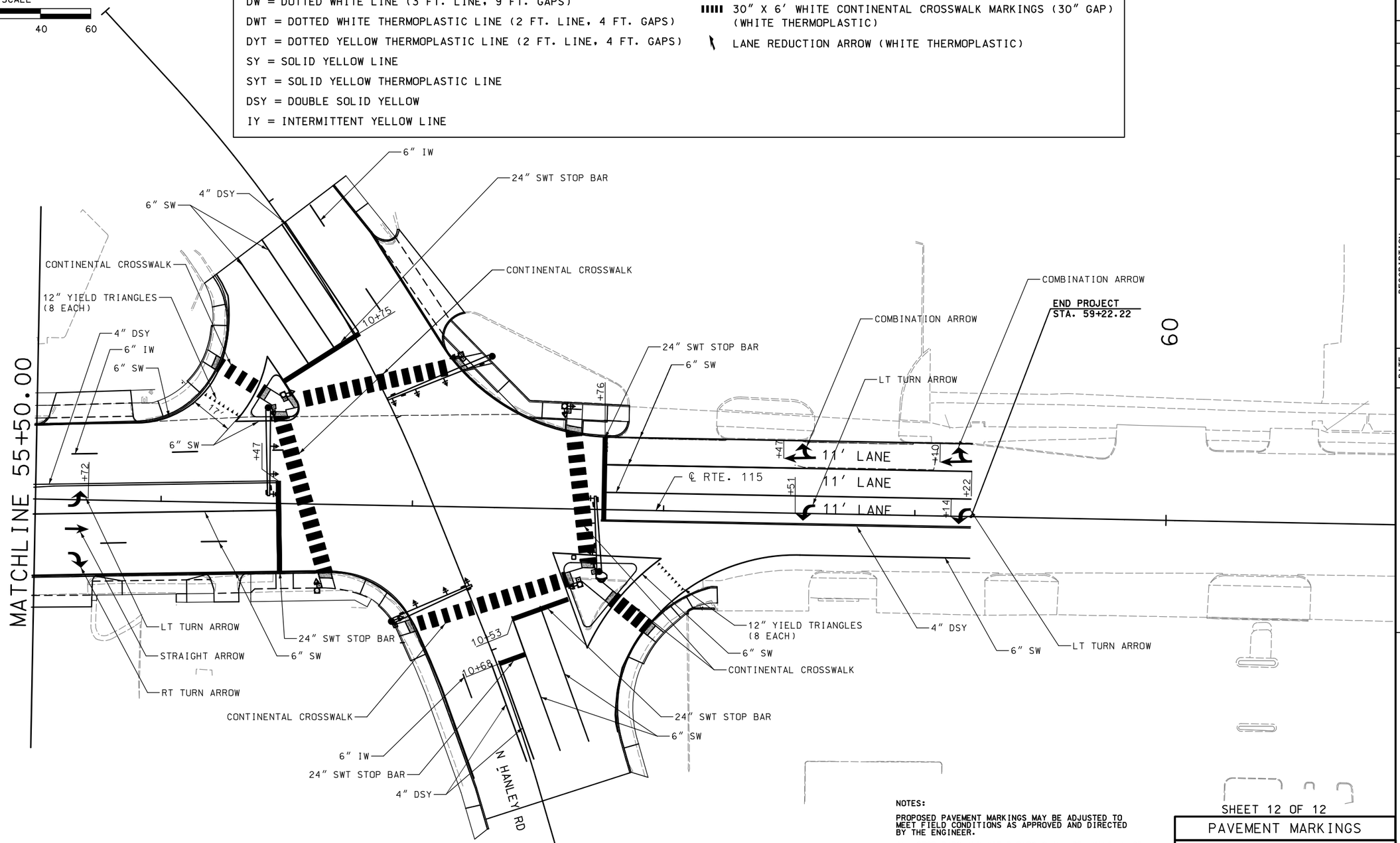
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
IW = INTERMITTENT WHITE LINE
IWT = INTERMITTENT WHITE THERMOPLASTIC LINE
DW = DOTTED WHITE LINE (3 FT. LINE, 9 FT. GAPS)
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
DYT = DOTTED YELLOW THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)
SY = SOLID YELLOW LINE
SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW
IY = INTERMITTENT YELLOW LINE

STRAIGHT ARROW (WHITE THERMOPLASTIC)
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW (WHITE THERMOPLASTIC)
YIELD BAR (WHITE THERMOPLASTIC)
30" X 6' WHITE CONTINENTAL CROSSWALK MARKINGS (30" GAP) (WHITE THERMOPLASTIC)
LANE REDUCTION ARROW (WHITE THERMOPLASTIC)

SCALE
0 20 40 60



NOTES:

PROPOSED PAVEMENT MARKINGS MAY BE ADJUSTED TO MEET FIELD CONDITIONS AS APPROVED AND DIRECTED BY THE ENGINEER.

ALL STOP BARS AND YIELD BARS SHALL BE MINIMUM OF 4' FROM CROSSWALK MARKINGS UNLESS STATIONED OTHERWISE.

ALL LANE LINES SHALL BE HIGH BUILD PAVEMENT MARKING PAINT WITH TYPE "L" BEADS UNLESS LABELED OTHERWISE.

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) SPECIFICATIONS, 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
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER
01/23/24

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

DATE PREPARED: 1/23/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 127
COUNTY: ST.LOUIS
JOB NO.: J6S3417
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)

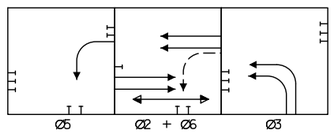
EDSI
ENGINEERING DESIGN SOURCE, INC.
16141 SWINGLEY RIDGE RD., SUITE 300
CHESTERFIELD, MO 63017
MISSOURI STATE ENGINEERING COMPANY CERTIFICATE OF AUTHORITY #001523

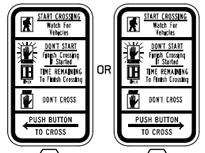
SHEET 12 OF 12
PAVEMENT MARKINGS
ROUTE 115

N:\E21037 CMT - Route 115\drawings\Output\X12_PM_12_J6S3417_Rte115_i20.dgn 1/23/2024

SCALE

0 20 40 60





SIGN R10-3EL SIGN R10-3ER
INSTALLED ABOVE PUSH BUTTONS
(INCLUDED IN COST FOR AUDIBLE
PEDESTRIAN PUSH BUTTON)

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.

EXIST. UPS/LIGHTING CONTROLLER (UIP)

EXIST. SIGNAL CONTROLLER (UIP)

EXIST. POWER SOURCE

EXIST. ITS PB (UIP)

SB I-170

NB I-170

SPEED LIMIT 35 MPH
TRAFFIC SIGNAL 760'

1.2%

SPEED LIMIT 35 MPH
TRAFFIC SIGNAL 1020'

2.0%

℄ ROUTE 115

PI STA. 6+24.54 (ROUTE 115) =
TO 00.00 (SB RAMP I-170)

8'POST

8'POST

℄ ENGLER AVE.

℄ BOLBECHER RD.

NO POSTED SPEED LIMIT
NO TRAFFIC SIGNAL

0.6%

℄ SB RAMP
I-170

TRAFFIC SIGNALS LEGEND

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

SIGNAL GENERAL NOTES:

1. ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN TYPE HEADS.
2. ALL PUSHBUTTONS SHALL BE APS PUSHBUTTONS.
3. CONNECTION/HOOK UP OF WIRES AND CONFIGURATION OF PEDESTRIAN HEADS AND PUSH BUTTON DETECTORS IN EXISTING CONTROLLERS INCLUDED IN UNIT PRICE FOR SIGNAL WIRE.
4. COORDINATE CURB RAMP & LANDING CONSTRUCTION WITH SIGNAL PLANS. SEE PLAN SHEETS.
5. ALL PUSH BUTTONS REQUIRE SIGN R10-3E (9"X15") TO BE INSTALLED ABOVE THEM.
6. DRILLING EXIST. PULL BOX & CONNECTING CONDUIT IN PULL BOX SHALL BE INCLUDED IN UNIT PRICE FOR CONDUIT.

SHEET 1 OF 23

SIGNAL SHEET

ROUTE 115 AT
ON/OFF SB RAMP I-170

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	128

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

REV.

| POST NUMBER | PULL BOX NUMBER | LOCATION APPROACH | LOCATION STATION | LOCATION OFFSET | BASE A 9 | BASE A 9.5 | BASE A 10 | BASE A 10.5 | BASE A 11 | BASE A 12 | BASE F 9 | BASE F 9.5 | BASE F 10 | BASE F 10.5 | BASE F 11 | BASE F 12 | BASE C | BASE CONCRETE** (CU. YDS.) | PULL BOX PREFORMED CLASS 1 | PULL BOX PREFORMED CLASS 2 | PULL BOX PREFORMED CLASS 3 | PULL BOX PREFORMED CLASS 5 | PULL BOX CONCRETE STANDARD | PULL BOX CONCRETE DOUBLE, TYPE A | PULL BOX CONCRETE DOUBLE, TYPE B | PULL BOX ADJUST TO GRADE | PULL BOX DRAIN TYPE** I | PULL BOX DRAIN TYPE** II A | PULL BOX DRAIN TYPE** II B | PULL BOX DRAIN TYPE** II C | POST 4 FT. PED POST | POST TOP MOUNT POST 8 FT. | POST TOP MOUNT POST 15 FT. | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL SIGNAL SPACING B | TYPE C & CL SIGNAL SPACING C | TYPE C & CL SIGNAL SPACING D | TYPE C & CL SIGNAL SPACING D′ | TYPE C & CL SIGN SPACING B | TYPE C & CL SIGN SPACING C | TYPE C & CL SIGN SPACING D | TYPE C & CL SIGN SPACING D′ | TYPE B & BL ARM LENGTH E | TYPE B & BL ARM LENGTH K | TYPE B & BL ARM LENGTH E | TYPE B & BL ARM LENGTH K | TYPE B & BL ARM LENGTH E | TYPE B & BL ARM LENGTH K | TYPE B & BL LEFT ARM E SIGNAL SPACING F | TYPE B & BL LEFT ARM E SIGNAL SPACING G | TYPE B & BL LEFT ARM E SIGNAL SPACING H | TYPE B & BL LEFT ARM E SIGNAL SPACING H′ | TYPE B & BL LEFT ARM E SIGN SPACING F | TYPE B & BL LEFT ARM E SIGN SPACING G | TYPE B & BL LEFT ARM E SIGN SPACING H | TYPE B & BL LEFT ARM E SIGN SPACING H′ | TYPE B & BL RIGHT ARM K SIGNAL SPACING L | TYPE B & BL RIGHT ARM K SIGNAL SPACING M | TYPE B & BL RIGHT ARM K SIGNAL SPACING N | TYPE B & BL RIGHT ARM K SIGNAL SPACING N′ | TYPE B & BL RIGHT ARM K SIGN SPACING L | TYPE B & BL RIGHT ARM K SIGN SPACING M | TYPE B & BL RIGHT ARM K SIGN SPACING N | TYPE B & BL RIGHT ARM K SIGN SPACING N′ | TYPE B & BL INCLUDED ANGLE | LUMINAIRE BRACKET ARM** 4 FT. | LUMINAIRE BRACKET ARM** 6 FT. | LUMINAIRE BRACKET ARM** 8 FT. | LUMINAIRE BRACKET ARM** 10 FT. | LUMINAIRE BRACKET ARM** 12 FT. | LUMINAIRE BRACKET ARM** 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1″	2″	3″	4″		2″	3″	4″	2″	3″	4″	2″	3″		
EX1	1	97′							95′								
1	1	6′			7′												
1	EX2	81′							79′								
EX2	2	16′			17′												
SUBTOTALS					24′				174′								
TOTALS					24′				174′								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR			CCTV CAMERA CABLE	REMARKS
			1c #8		2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	VIDEO CABLE (1)		
	1	111′				141′										PEDESTRIAN HEAD 63
	1	111′			140′											PUSH BUTTON 62
	2	202′				238′										PEDESTRIAN HEAD 62
	2	202′			237′											PUSH BUTTON 63
SUBTOTALS					377′	379′										
5% FOR SNAKING					396′	398′										
TOTALS					400′	400′										

(1) NO DIRECT PAY REQUIRED FOR VIDEO DETECTOR CABLE

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
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 1/25/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 130
COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 3 OF 23

SIGNAL SHEET

MO ROUTE 115 NATURAL BRIDGE ROAD / SB I-170 RAMP TERMINAL
INTERSECTION

ROUTE 115 AT
ON/OFF SB RAMP I-170

D-37B

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING✳				LIGHTING CONTROL ✳ (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
USE EXISTING	5+04.91	69.22'LT	Type		Amps	Amps	Amps	Amps		Amps	Ct. Ft.	AMEREN
			Type		Amps	Amps	Amps	Amps		Amps	Ct. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF✳ SWITCH		COORDINATION INTERFACE ✳						TIME ✳ CLOCK	NEMA CABINET TYPE ✳			170 CABINET TYPE ✳		170 SOFTWARE ✳	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
USE EXISTING	5+65.75	61.42'LT																				

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1	USE EXISTING (3)							
	2								

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

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PEDESTRIAN PUSH BUTTON WITH VERBAL WALK MESSAGE	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND ✳	CALL UNIT ✳	
62	I-170 RAMPS	1				
63	I-170 RAMPS	1				
TOTAL		2				

✳ ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

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

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

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

(3) CONTRACTOR SHALL VERIFY EXISTING PHASING AND MODIFY LOAD SWITCHES AND DETECTOR ASSIGNMENTS AS NECESSARY. THIS INCLUDES ANY ADDITIONAL DETECTOR CARDS NEEDED. (COST FOR THIS WORK INCLUDED IN PAY ITEM 7C#16 CABLE & 1C#14 CABLE.)

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ✳✳✳	VAR. X 18			
	D3-1B ✳✳✳	VAR. X 18			
1	R10-3EL	9 X 15	0.9	(0.9)	(1)
1	R10-3ER	9 X 15	0.9	(0.9)	(1)
	R10-11A	24 X 30	5.0		
	R10-12	30 X 36	7.5		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL		
			TOTAL		

NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE.

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12
NOT USED (UIP)	Ø 2 WB (UIP)	Ø 3 NB (UIP)	NOT USED (UIP)	OLC WBL (UIP)	Ø 6 EB (UIP)	NOT USED (UIP)	NOT USED (UIP)	NOT USED (UIP)	NOT USED (UIP)	Ø 6 PED & Ø 5 WBL	NOT USED (UIP)

DISCLAIMER EFFECTIVE 04-01-2018

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
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	131

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 4 OF 23

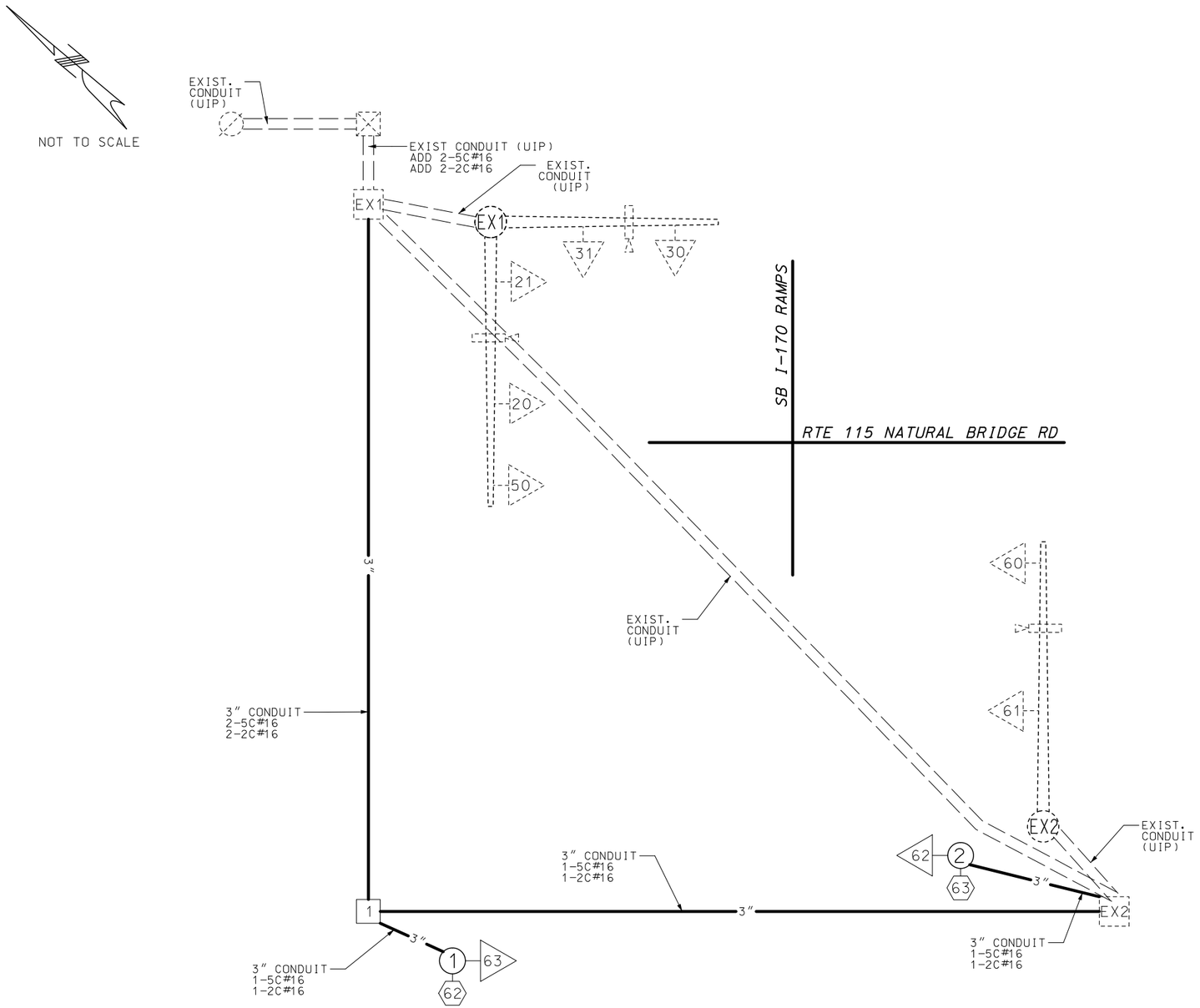
SIGNAL SHEET

ROUTE 115 AT
ON/OFF SB RAMP I-170

MO ROUTE 115 NATURAL BRIDGE ROAD / SB I-170 RAMP TERMINAL
INTERSECTION

D-37C

WIRING DIAGRAM



LEGEND

- 3" — CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- EXISTING CONDUIT
- X–Xc — MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC — #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- VIDEO DETECTION CAMERA
- CCTV CAMERA

DISCLAIMER EFFECTIVE 12-01-17

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
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	132

COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

© Copyright CMT, Inc.
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 5 OF 23

SIGNAL SHEET

ROUTE 115 AT
ON/OFF SB RAMP I-170

MO ROUTE 115 NATURAL BRIDGE ROAD / SB I-170 RAMP TERMINAL

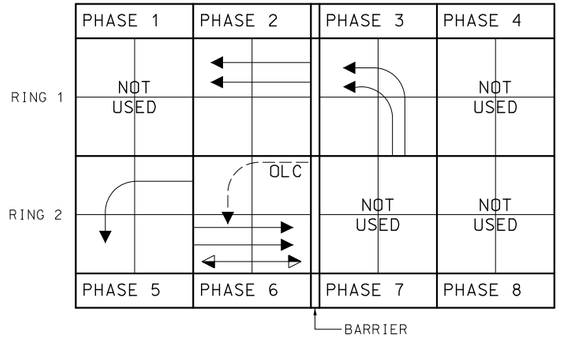
INTERSECTION

D-37D

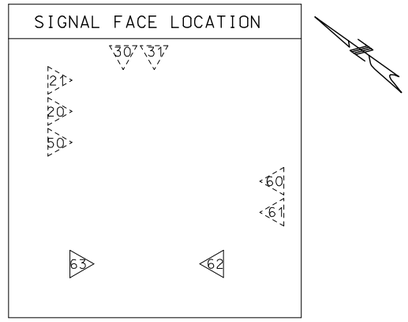
EFFECTIVE 12/01/2017

TRAFFIC PHASING AND COLOR SEQUENCE – ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	PED Φ 2	PED Φ 4	PED Φ 6	PED Φ 8	
	NOT USED		NOT USED	NOT USED		NOT USED	NOT USED	NOT USED	NOT USED	NOT USED		NOT USED	NOT USED	NOT USED		NOT USED	
FACE NUMBERS		20 21	30 31		50	60 61					50				62 63		FACE NUMBERS
SIGNAL INDICATIONS R		R R	RL RL			R R					RL				DW DW		R
SIGNAL INDICATIONS Y		Y Y	YL YL			Y Y					YL						Y
SIGNAL INDICATIONS FYA											FYL						FYA
SIGNAL INDICATIONS G		S S	L L		L	S S									W W		G
DETECTOR ASSIGNMENTS		20 21	30 31		50	60 61											DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)															62 63		
OVERLAP PARENT PHASES											6						



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
- YR† — 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

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.

FLASHING OPERATION	
ALL	FR

CONTROLLER TYPE	USE EXISTING

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF MO ROUTE 115 NATURAL BRIDGE ROAD

WITH SB I-170 RAMPS

SHEET 6 OF 23

SIGNAL SHEET

ROUTE 115 AT ON/OFF SB RAMP I-170

D-38A

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	133

COUNTY ST. LOUIS

JOB NO. J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

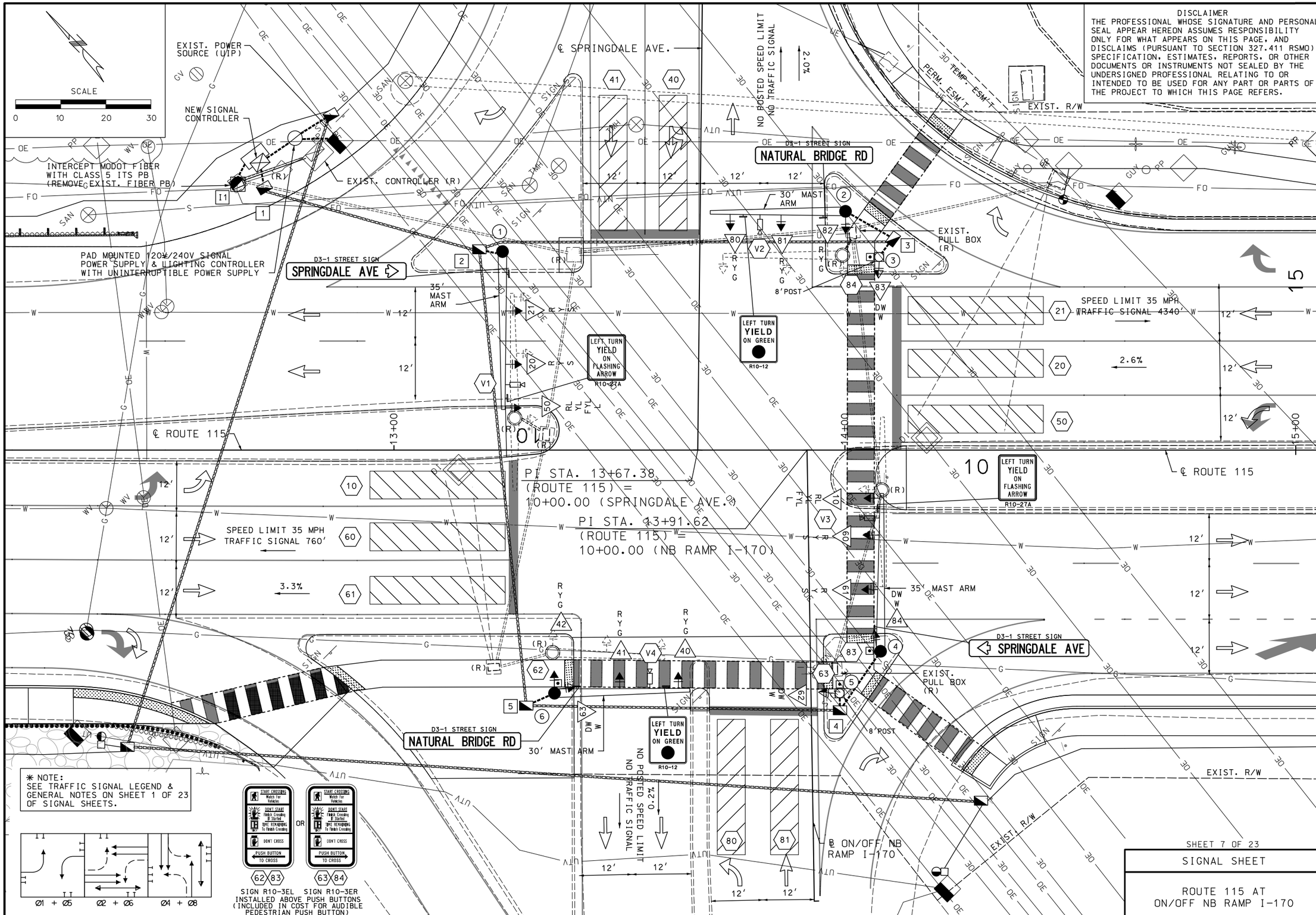
DESCRIPTION	DATE

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

REV.



✱ NOTE:
SEE TRAFFIC SIGNAL LEGEND & GENERAL NOTES ON SHEET 1 OF 23 OF SIGNAL SHEETS.

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
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	1/25/2024
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 134
COUNTY	ST. LOUIS
JOB NO.	J6S3417
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SHEET 7 OF 23

SIGNAL SHEET

ROUTE 115 AT ON/OFF NB RAMP I-170

REV.

| POST NUMBER | PULL BOX NUMBER | LOCATION APPROACH | LOCATION STATION | LOCATION OFFSET | BASE A 9 | BASE A 9.5 | BASE A 10 | BASE A 10.5 | BASE A 11 | BASE A 12 | BASE F 9 | BASE F 9.5 | BASE F 10 | BASE F 10.5 | BASE F 11 | BASE F 12 | BASE C | 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 | ADJUST TO GRADE | DRAIN TYPE* I | DRAIN TYPE* II A | DRAIN TYPE* II B | DRAIN TYPE* II C | POST 4 FT. PED POST | POST TOP MOUNT POST 8 FT. | POST TOP MOUNT POST 15 FT. | TYPE C & CL ARM LENGTH A | ARM LENGTH A | ARM LENGTH A | ARM LENGTH A | SIGNAL SPACING B | SIGNAL SPACING C | SIGNAL SPACING D | SIGNAL SPACING D′ | SIGN SPACING B | SIGN SPACING C | SIGN SPACING D | SIGN SPACING D′ | TYPE B & BL ARM LENGTH E | ARM LENGTH K | ARM LENGTH E | ARM LENGTH K | ARM LENGTH E | ARM LENGTH K | LEFT ARM E SIGNAL SPACING F | SIGNAL SPACING G | SIGNAL SPACING H | SIGNAL SPACING H′ | SIGN SPACING F | SIGN SPACING G | SIGN SPACING H | SIGN SPACING H′ | RIGHT ARM K SIGNAL SPACING L | SIGNAL SPACING M | SIGNAL SPACING N | SIGNAL SPACING N′ | SIGN SPACING L | SIGN SPACING M | SIGN SPACING N | SIGN SPACING N′ | INCLUDED ANGLE | LUMINAIRE BRACKET ARM** 4 FT. | LUMINAIRE BRACKET ARM** 6 FT. | LUMINAIRE BRACKET ARM** 8 FT. | LUMINAIRE BRACKET ARM** 10 FT. | LUMINAIRE BRACKET ARM** 12 FT. | LUMINAIRE BRACKET ARM** 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1″	2″	3″	4″		2″	3″	4″	2″	3″	4″	2″	3″		
∅	☒	10′		18′													
☒	1	6′			18′												2-3″ CONDUITS
1	2	50′							96′								2-3″ CONDUITS
2	①	6′			9′												
2	3	92′							90′								
2	5	102′							100′								
3	②	13′			16′												
3	③	5′			8′												
5	⑥	7′			10′												
5	4	70′							68′								
4	④	16′			19′												
4	⑤	4′			7′												
SUBTOTALS				18′	87′				354′								
TOTALS				18′	87′				354′								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR			CCTV CAMERA CABLE	REMARKS
			1c #8		2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	VIDEO CABLE (1)		
∅	☒	18′	102′													3-1c#8 CABLES
☒	①	61′					137′									SIGNAL HEAD 50
☒	①	61′					127′									SIGNAL HEAD 20
☒	①	61′					116′									SIGNAL HEAD 21
☒	①	61′												(141′)		VIDEO V-1
☒	②	158′					230′									SIGNAL HEAD 80
☒	②	158′					220′									SIGNAL HEAD 81
☒	②	158′					197′									SIGNAL HEAD 82
☒	②	158′												(233′)		VIDEO V-2
☒	③	150′				186′										PEDESTRIAN HEAD 83
☒	③	150′			185′											PUSH BUTTON 84
☒	④	244′					331′									SIGNAL HEAD 10
☒	④	244′					323′									SIGNAL HEAD 60
☒	④	244′					311′									SIGNAL HEAD 61
☒	④	244′												(336′)		VIDEO V-3
☒	④	244′				286′										PEDESTIRAN HEAD 84
☒	④	244′			285′											PUSH BUTTON 83
☒	⑤	231′				273′										PEDESTRIAN HEAD 62
☒	⑤	231′			272′											PUSH BUTTON 63
☒	⑥	165′					240′									SIGNAL HEAD 40
☒	⑥	165′					227′									SIGNAL HEAD 41
☒	⑥	165′					204′									SIGNAL HEAD 42
☒	⑥	165′												(246′)		VIDEO V-4
☒	⑥	165′				201′										PEDESTRIAN HEAD 63
☒	⑥	165′			200′											PUSH BUTTON 62
SUBTOTALS			102′		942′	946′	2663′							(956′)		
5% FOR SNAKING			107′		989′	993′	2796′							(1004′)		
TOTALS			110′		990′	1000′	2800′							(1010′)		

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

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
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 1/25/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 136
COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 9 OF 23

SIGNAL SHEET

ROUTE 115 AT
ON/OFF NB RAMP I-170

MO ROUTE 115 NATURAL BRIDGE ROAD / SPRINGDALE AVE / NB I-170 RAMP TERMINAL
INTERSECTION

D-37B

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING✳				LIGHTING CONTROL ✳ (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
ROUTE 115	12+78.06	69.17'LT	Type	1	15 Amps	· Amps	100 Amps	Amps		· Amps	Ci. Ft.	AMEREN
·	·	·	Type	·	· Amps	· Amps	· Amps	· Amps	·	· Amps	Ci. Ft.	·

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF✳ SWITCH		COORDINATION INTERFACE ✳						TIME ✳ CLOCK	NEMA CABINET TYPE ✳			170 CABINET TYPE ✳		170 SOFTWARE ✳	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
ROUTE 115	12+73.29	63.73'LT	·	·	1	·	·	·	·	·	·	·	·	·	·	·	1	·	·	·	·	·
·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·
·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·	·

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1	SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM(3)							·
	2	·	·	·	·	·	·	·	·

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

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
	R3-5L	30 X 36	7.5		
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
4	D3-1 ✳✳✳	96 X 18	12.0	48	4
	D3-1B ✳✳✳	VAR. X 18			
2	R10-3EL	9 X 15	0.9	(0.9)	(1)
2	R10-3ER	9 X 15	0.9	(0.9)	(1)
	R10-11A	24 X 30	5.0		
2	R10-12	30 X 36	7.5	15	2
	R10-13	36 X 24	6.0		
2	R10-27A	30 X 36	7.5	15	2
			SUBTOTAL	78.0	8
			TOTAL	78	8

NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE.

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PEDESTRIAN PUSH BUTTON WITH VERBAL WALK MESSAGE	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND ✳	CALL UNIT ✳	
83	WB ROUTE 115	1	·	·	·	·
84	WB ROUTE 115	1				
62	NB SPRINGDALE AVE	1				
63	NB SPRINGDALE AVE	1				
50	WBL ROUTE 115					V1
20	WB ROUTE 115					V1
21	WB ROUTE 115					V1
80	NBL SPRINGDALE AVE					V2
81	NB SPRINGDALE AVE					V2
10	EBL ROUTE 115					V3
60	EB ROUTE 115					V3
61	EB ROUTE 115					V3
41	SB SPRINGDALE AVE					V4
40	SB SPRINGDALE AVE					V4
	TOTAL	4				

✳ ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

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

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

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

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE ST. LOUIS DISTRICT APPROVAL PRIOR TO INSTALLATION. THIS WILL BE A COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. SEE DETAILS.

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY
TOTAL = 1 EACH

NOTE: BID PRICE FOR PAD MOUNTED POWER SUPPLY/CONTROLLER SHALL INCLUDE CABLE (#2 AWG.), RIGID STEEL CONDUIT, AND TRENCHING BETWEEN ASSEMBLY AND UTILITY COMPANY FACILITIES.

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 EBL	Ø 2 WB	NOT USED	Ø 4 SB	Ø 5 WBL	Ø 6 EB	NOT USED	Ø 8 NB	OLA EBL	NOT USED	OLC WBL	NOT USED	NOT USED	NOT USED	Ø 6 PED	Ø 8 PED

MO ROUTE 115 NATURAL BRIDGE ROAD / SPRINGDALE AVE / NB I-170 RAMP TERMINAL

INTERSECTION

D-37C

SHEET 10 OF 23

SIGNAL SHEET

ROUTE 115 AT ON/OFF NB RAMP I-170

DISCLAIMER EFFECTIVE 04-01-2018

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
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	137

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

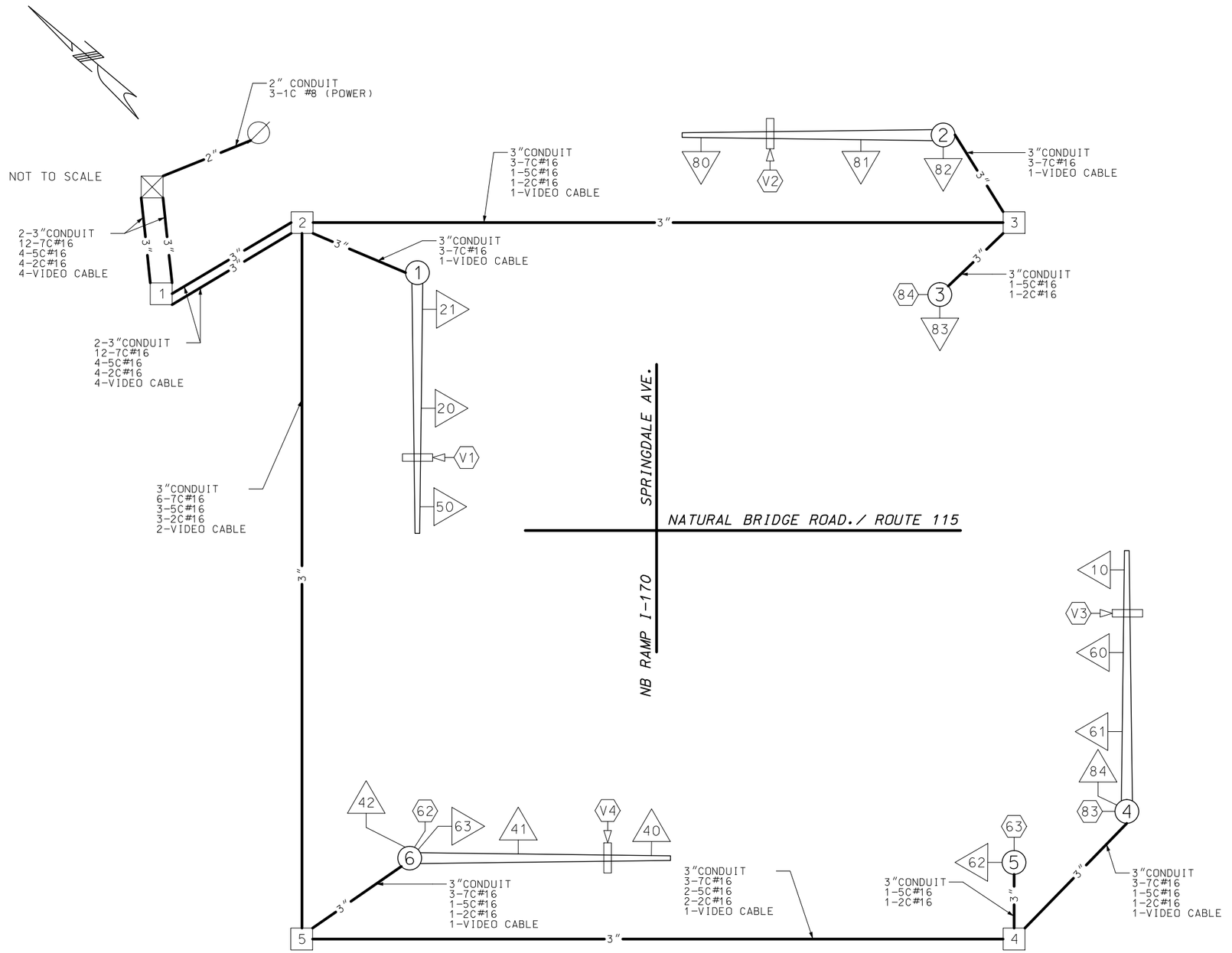
CMT

© Copyright CMT, Inc.

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

WIRING DIAGRAM



DISCLAIMER EFFECTIVE 12-01-17

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.

LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- EXISTING CONDUIT
- X-Xc MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- VIDEO DETECTION CAMERA
- CCTV CAMERA

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	138

COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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

REV.	DESCRIPTION	DATE

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 600
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
©Copyright CMT, Inc.

SHEET 11 OF 23

SIGNAL SHEET

ROUTE 115 AT
ON/OFF NB RAMP I-170

MO ROUTE 115 NATURAL BRIDGE ROAD / SPRINGDALE AVE / NB I-170 RAMP TERMINAL

INTERSECTION

D-37D

EFFECTIVE 12/01/2017

TRAFFIC PHASING AND COLOR SEQUENCE – ACTUATED CONTROLLERS

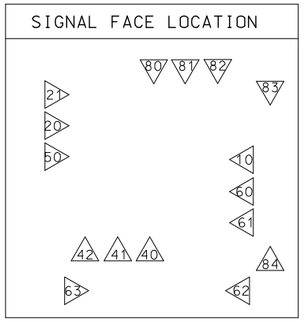
	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	PED Φ 3	PED Φ 4	PED Φ 6	PED Φ 8	
			NOT USED				NOT USED			NOT USED		NOT USED	NOT USED	NOT USED			
FACE NUMBERS	10	20 21		40 42 41	50	60 61		80 81 82	10		50				62 63	83 84	FACE NUMBERS
SIGNAL INDICATIONS R		R		R R		R		R R									R
SIGNAL INDICATIONS RL									RL		RL				DW DW	DW DW	RL
SIGNAL INDICATIONS Y		Y		Y Y		Y		Y Y									Y
SIGNAL INDICATIONS YL									YL		YL						YL
SIGNAL INDICATIONS FYL									FYL		FYL						FYL
SIGNAL INDICATIONS G		S		G G		S		G G							W W	W W	G
SIGNAL INDICATIONS L	L				L												L
DETECTOR ASSIGNMENTS	10	20 21		40 41 41	50	60 61		80 81									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)															62 63	83 84	
OVERLAP PARENT PHASES									2		6						

PHASE 1	PHASE 2	PHASE 3	PHASE 4
	OLA	NOT USED	
	OLC	NOT USED	
PHASE 5	PHASE 6	PHASE 7	PHASE 8

RING 1 / RING 2 — BARRIER

RING STRUCTURE

SIGNAL FACE LOCATION



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
- YR† — 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

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.

FLASHING OPERATION	
ALL	FR
CONTROLLER TYPE	NEMA 8

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF MO ROUTE 115 NATURAL BRIDGE ROAD

WITH SPRINGDALE AVE / NB I-170 RAMP TERMINAL

SHEET 12 OF 23

SIGNAL SHEET

ROUTE 115 AT
ON/OFF NB RAMP I-170

D-38A

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	
1/25/2024	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 139
COUNTY ST. LOUIS	
JOB NO. J6S3417	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE

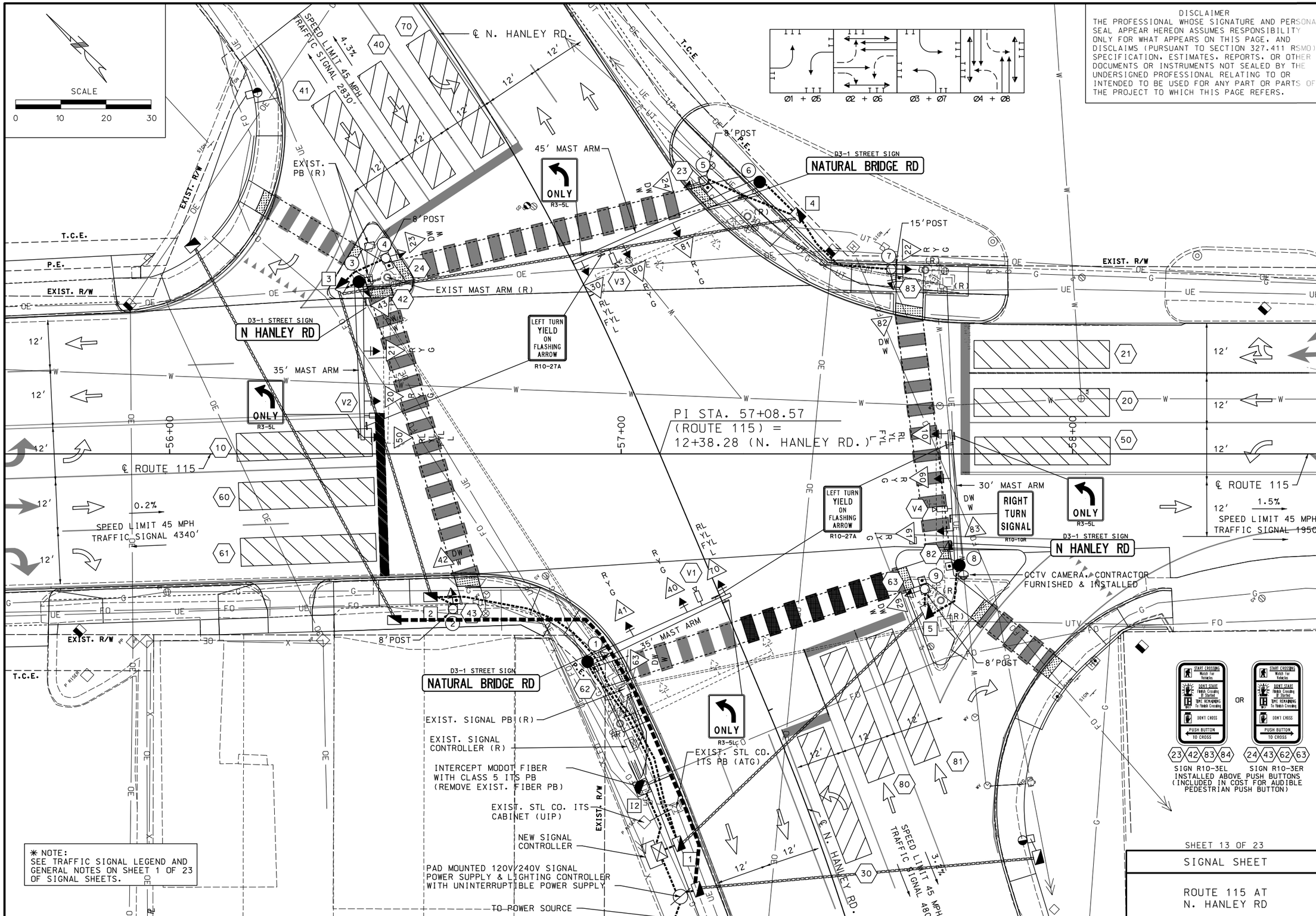
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

REV.



✱ NOTE:
SEE TRAFFIC SIGNAL LEGEND AND GENERAL NOTES ON SHEET 1 OF 23 OF SIGNAL SHEETS.

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
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	1/25/2024
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	140
COUNTY	ST. LOUIS
JOB NO.	J6S3417
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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

SHEET 13 OF 23
SIGNAL SHEET
ROUTE 115 AT N. HANLEY RD

REV.

| POST NUMBER | PULL BOX NUMBER | LOCATION APPROACH | LOCATION STATION | LOCATION OFFSET | BASE A 9 | BASE A 9.5 | BASE A 10 | BASE A 10.5 | BASE A 11 | BASE A 12 | BASE F 9 | BASE F 9.5 | BASE F 10 | BASE F 10.5 | BASE F 11 | BASE F 12 | BASE C CONCRETE** (CU. YDS.) | PULL BOX PREFORMED CLASS 1 | PREFORMED CLASS 2 | PREFORMED CLASS 3 | PREFORMED CLASS 5 | CONCRETE STANDARD | CONCRETE DOUBLE, TYPE A | CONCRETE DOUBLE, TYPE B | ADJUST TO GRADE | DRAIN TYPE* I | DRAIN TYPE* II A | DRAIN TYPE* II B | DRAIN TYPE* II C | POST 4 FT. PED POST | POST 8 FT. TOP MOUNT POST | POST 15 FT. TOP MOUNT POST | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL ARM LENGTH A | TYPE C & CL SIGNAL SPACING B | TYPE C & CL SIGNAL SPACING C | TYPE C & CL SIGNAL SPACING D | TYPE C & CL SIGNAL SPACING D′ | TYPE C & CL SIGN SPACING B | TYPE C & CL SIGN SPACING C | TYPE C & CL SIGN SPACING D | TYPE C & CL SIGN SPACING D′ | TYPE B & BL ARM LENGTH E | TYPE B & BL ARM LENGTH K | TYPE B & BL LEFT ARM E SIGNAL SPACING F | TYPE B & BL LEFT ARM E SIGNAL SPACING G | TYPE B & BL LEFT ARM E SIGNAL SPACING H | TYPE B & BL LEFT ARM E SIGNAL SPACING H′ | TYPE B & BL LEFT ARM E SIGN SPACING F | TYPE B & BL LEFT ARM E SIGN SPACING G | TYPE B & BL LEFT ARM E SIGN SPACING H | TYPE B & BL LEFT ARM E SIGN SPACING H′ | TYPE B & BL RIGHT ARM K SIGNAL SPACING L | TYPE B & BL RIGHT ARM K SIGNAL SPACING M | TYPE B & BL RIGHT ARM K SIGNAL SPACING N | TYPE B & BL RIGHT ARM K SIGNAL SPACING N′ | TYPE B & BL RIGHT ARM K SIGN SPACING L | TYPE B & BL RIGHT ARM K SIGN SPACING M | TYPE B & BL RIGHT ARM K SIGN SPACING N | TYPE B & BL RIGHT ARM K SIGN SPACING N′ | TYPE B & BL INCLUDED ANGLE | LUMINAIRE BRACKET ARM** 4 FT. | LUMINAIRE BRACKET ARM** 6 FT. | LUMINAIRE BRACKET ARM** 8 FT. | LUMINAIRE BRACKET ARM** 10 FT. | LUMINAIRE BRACKET ARM** 12 FT. | LUMINAIRE BRACKET ARM** 15 FT. |
|---|---|---

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1″	2″	3″	4″		2″	3″	4″	2″	3″	4″	2″	3″		
∅	☒	11′		19′													
☒	1	5′			16′												2-3″ CONDUITS
1	①	46′			49′												
1	2	87′			85′												
2	②	6′			9′												
2	3	72′						70′									
3	③	4′			7′												
3	④	12′			15′												
3	4	104′						102′									
4	⑤	22′			25′												
4	⑥	12′			15′												
4	⑦	26′			29′												
1	5	75′						73′									
5	⑧	15′			18′												
5	⑨	5′			6′												
SUBTOTALS				19′	274′				245′								
TOTALS				19′	274′				245′								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER	CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR			CCTV CAMERA CABLE (2)	REMARKS
			1c #8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	VIDEO CABLE (1)		
∅	☒	11′	81′												3-1c#8 CABLES
☒	①	51′				121′									SIGNAL HEAD 70
☒	①	51′				111′									SIGNAL HEAD 40
☒	①	51′				98′									SIGNAL HEAD 41
☒	①	51′											(124′)		VIDEO V-1
☒	①	51′			75′										PEDESTRIAN HEAD 63
☒	①	51′		74′											PUSH BUTTON 62
☒	②	98′			128′										PEDESTRIAN HEAD 42
☒	②	98′		127′											PUSH BUTTON 43
☒	③	170′				252′									SIGNAL HEAD 50
☒	③	170′				244′									SIGNAL HEAD 20
☒	③	170′				233′									SIGNAL HEAD 21
☒	③	170′											(256′)		VIDEO V-2
☒	③	170′			206′										PEDESTRIAN HEAD 43
☒	③	170′		205′											PUSH BUTTON 42
☒	④	175′			211′										PEDESTRIAN HEAD 23
☒	④	175′		210′											PUSH BUTTON 24
☒	⑤	290′			332′										PEDESTRIAN HEAD 24
☒	⑤	290′		331′											PUSH BUTTON 23
☒	⑥	279′				375′									SIGNAL HEAD 30
☒	⑥	279′				365′									SIGNAL HEAD 80
☒	⑥	279′				353′									SIGNAL HEAD 81
☒	⑥	279′											(378′)		VIDEO V-3
☒	⑦	294′				339′									SIGNAL HEAD 22
☒	⑦	294′			336′										PEDESTRIAN HEAD 82
☒	⑦	294′		335′											PUSH BUTTON 83
☒	⑧	95′				166′									SIGNAL HEAD 10
☒	⑧	95′				156′									SIGNAL HEAD 60
☒	⑧	95′				128′									SIGNAL HEAD 61
☒	⑧	95′											(158′)		VIDEO V-4
☒	⑧	95′			125′										PEDESTRIAN HEAD 83
☒	⑧	95′												145′	CCTV
☒	⑧	95′		124′											PUSH BUTTON 82
☒	⑨	85′			115′										PEDESTRIAN HEAD 62
☒	⑨	85′		114′											PUSH BUTTON 63
SUBTOTALS			81′	1520′	1528′	2941′							(916′)	145′	
5% FOR SNAKING			85′	1596′	1604′	3088′							(961′)	152′	
TOTALS			90′	1600′	1610′	3090′							(970′)	160′	

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

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.

MO ROUTE 115 NATURAL BRIDGE ROAD / N. HANLEY ROAD
INTERSECTION

D-37B

SHEET 15 OF 23

SIGNAL SHEET

ROUTE 115 AT N. HANLEY RD

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	142

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING✳				LIGHTING CONTROL ✳ (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
ROUTE 115	57+13.13	98.05'RT	Type	1	15 Amps	Amps	100 Amps	Amps		Amps	Ct. Ft.	AMEREN
			Type		15 Amps	Amps	Amps	Amps		Amps	Ct. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF✳ SWITCH		COORDINATION INTERFACE ✳						TIME ✳ CLOCK	NEMA CABINET TYPE ✳			170 CABINET TYPE ✳		170 SOFTWARE ✳	
							TYPE		12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
ROUTE 115	57+08.50	88.07'RT			1																	

NEMA DETECTOR ASSIGNMENT

		CARD POSITION							
		1	2	3	4	5	6	7	8
CHANNEL	1	SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)							
	2								

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

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	R10-10L	24 X 30	5.0		
	R10-10R	24 X 30	5.0		
4	R3-5L	30 X 36	7.5	30	4
	R3-5R	30 X 36	7.5		
	R3-5A	30 X 36	7.5		
	R3-6L	30 X 36	7.5		
	R3-6R	30 X 36	7.5		
	R3-2	24 X 24	4.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ✳✳✳	VAR. X 18			
2	D3-1B ✳✳✳	96 X 18	12.0	24	2
2	D3-1B ✳✳✳	84 X 18	10.5	21	2
4	R10-3EL	9 X 15	0.9	(0.9)	(1)
4	R10-3ER	9 X 15	0.9	(0.9)	(1)
2	R10-10R	30 X 36	7.5	15	2
	R10-11A	24 X 30	5.0		
	R10-12	30 X 36	7.5		
	R10-13	36 X 24	6.0		
4	R10-27A	30 X 36	7.5	30	4
			SUBTOTAL	120.0	14
			TOTAL	120	14

NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE.

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PEDESTRIAN PUSH BUTTON WITH VERBAL WALK MESSAGE	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND ✳	CALL UNIT ✳	
42	EB ROUTE 115	1				
43	EB ROUTE 115	1				
23	SB N HANLEY ROAD	1				
24	SB N HANLEY ROAD	1				
82	WB ROUTE 115	1				
83	WB ROUTE 115	1				
62	NB N HANLEY ROAD	1				
63	NB N HANLEY ROAD	1				
10	EB ROUTE 115					V4
60	EB ROUTE 115					V4
61	EB ROUTE 115					V4
70	SB N HANLEY ROAD					V1
40	SB N HANLEY ROAD					V1
41	SB N HANLEY ROAD					V1
50	WB ROUTE 115					V2
20	WB ROUTE 115					V2
21	WB ROUTE 115					V2
30	NB N HANLEY ROAD					V3
80	NB N HANLEY ROAD					V3
81	NB N HANLEY ROAD					V3
	TOTAL	8				

✳ ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

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

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

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

(3) SEE SL DISTRICT TRAFFIC SIGNAL DETECTION JSP FOR ADDITIONAL DETAILS. SIGNAL DETECTION SHALL BE PAID AS 1 PER INTERSECTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL A VEHICLE DETECTION SYSTEM FULLY COVERING DETECTION ZONES AS SOWN ON THE PLANS. THE METHOD CHOSEN SHALL COMPLY WITH MODOT'S STANDARDS AND SPECIFICATIONS. ALL EQUIPMENT USED IN THE SYSTEM SHALL BE IN ACCORDANCE WITH MODOT'S APPROVED PRODUCT LIST AND RECEIVE ST. LOUIS DISTRICT APPROVAL PRIOR TO INSTALLATION. THIS WILL BE A COMPLETE UNIT WITH ALL COSTS INCLUDED.

(4) POWER SUPPLY SHALL BE PAD MOUNTED 120V/240V POWER SUPPLY & LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY. SEE DETAILS.

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY
TOTAL = 1 EACH

NOTE: BID PRICE FOR PAD MOUNTED POWER SUPPLY/CONTROLLER SHALL INCLUDE CABLE (#2 AWG.), RIGID STEEL CONDUIT, AND TRENCHING BETWEEN ASSEMBLY AND UTILITY COMPANY FACILITIES.

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø 1 EBL	Ø 2 WB	Ø 3 NBL	Ø 4 SB	Ø 5 WBL	Ø 6 EB	Ø 7 SBL	Ø 8 NB	OLA EBL	OLB NBL	OLC WBL	OLD SBL	Ø 2 PED	Ø 4 PED	Ø 6 PED	Ø 8 PED

DISCLAIMER EFFECTIVE 04-01-2018

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
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	143

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

SHEET 16 OF 23

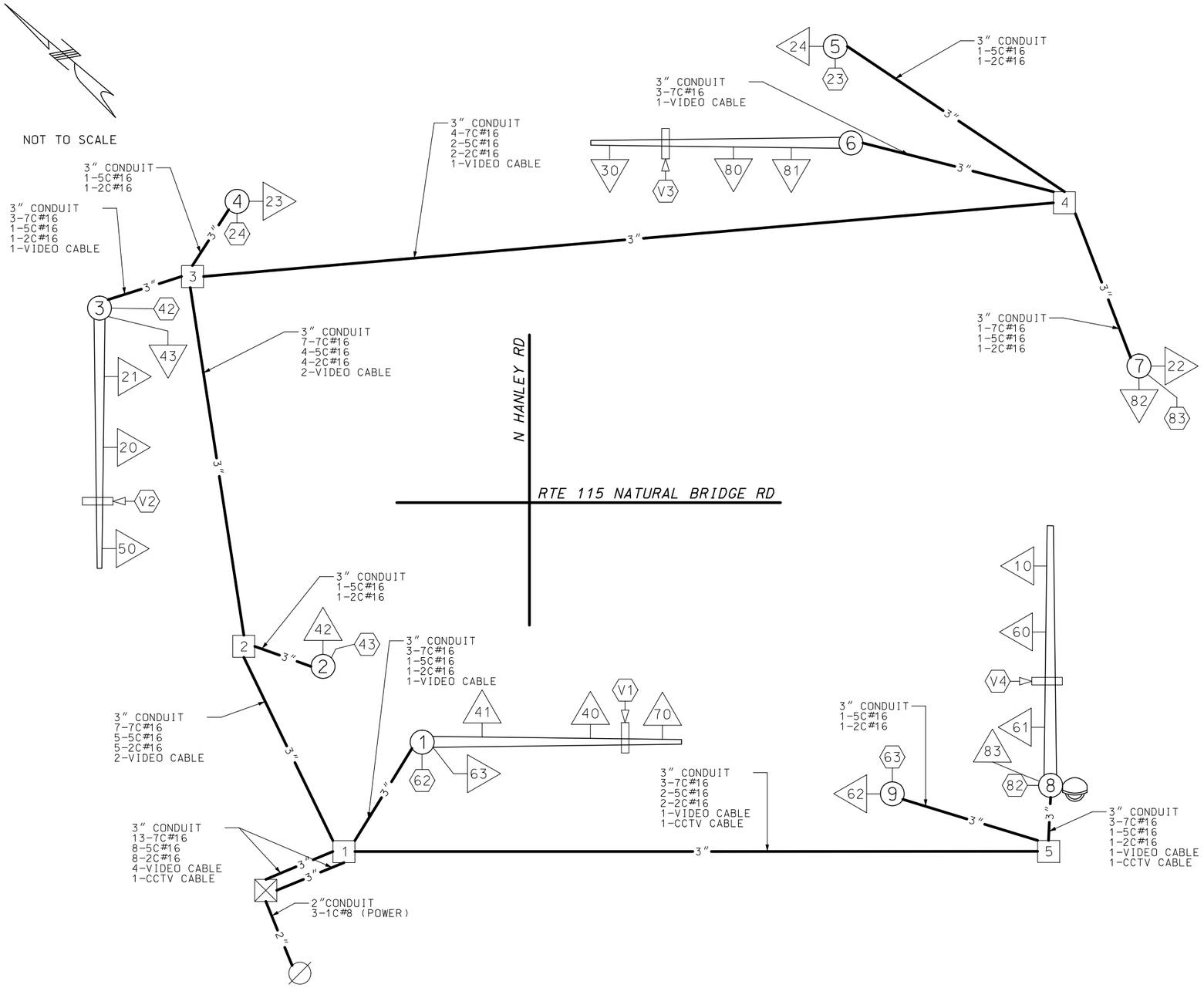
SIGNAL SHEET

ROUTE 115 AT N. HANLEY RD

MO ROUTE 115 NATURAL BRIDGE ROAD / N. HANLEY ROAD
INTERSECTION

D-37C

WIRING DIAGRAM



LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- EXISTING CONDUIT
- X-Xc MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- DETECTOR WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING CONTROLLER
- VIDEO DETECTION CAMERA
- CCTV CAMERA

DISCLAIMER EFFECTIVE 12-01-17

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
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	144

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

REV.

SHEET 17 OF 23

SIGNAL SHEET

ROUTE 115 AT
N. HANLEY RD

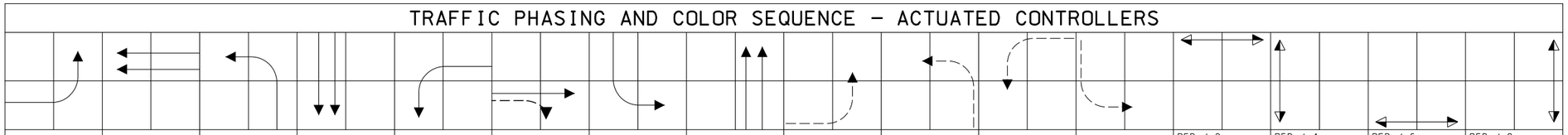
D-37D

MO ROUTE 115 NATURAL BRIDGE ROAD / N. HANLEY ROAD

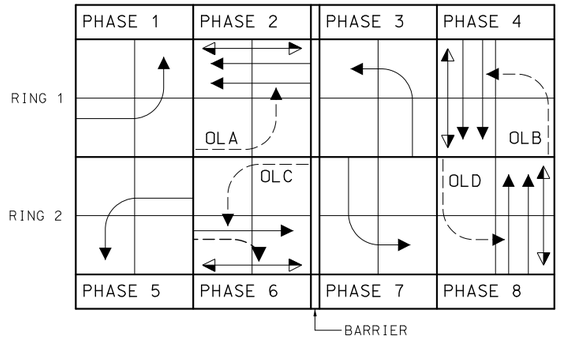
INTERSECTION

EFFECTIVE 12/01/2017

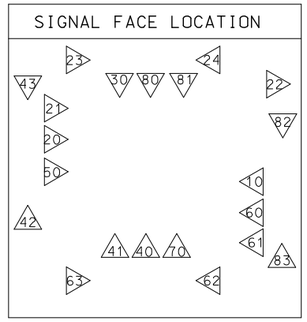
TRAFFIC PHASING AND COLOR SEQUENCE – ACTUATED CONTROLLERS



	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	PED Φ 2	PED Φ 4	PED Φ 6	PED Φ 8	
FACE NUMBERS	10	20	30	40	50	60	70	80	10	30	50	70	23	42	62	82	FACE NUMBERS
		21		41		61		81					24	43	63	83	
SIGNAL INDICATIONS R		R R		R		R		R					DW	DW	DW	DW	R
SIGNAL INDICATIONS RL									RL	RL	RL	RL					RL
SIGNAL INDICATIONS Y		Y Y		Y		Y		Y									Y
SIGNAL INDICATIONS YL									YL	YL	YL	YL					YL
SIGNAL INDICATIONS FYL									FYL	FYL	FYL	FYL					FYL
SIGNAL INDICATIONS G		G G		G		G		G					W	W	W	W	G
SIGNAL INDICATIONS L	L		L		L		L										L
DETECTOR ASSIGNMENTS	10	20 21	30	40 41	50	60 61	70	80 81									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)													23 24	42 43	62 63	82 83	
OVERLAP PARENT PHASES									2	4	6	8					



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
- YR† — 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

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.

FLASHING OPERATION	
ALL	FR
CONTROLLER TYPE	USE EXISTING

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF MO ROUTE 115 NATURAL BRIDGE ROAD

N. HANLEY ROAD

SHEET 18 OF 23

SIGNAL SHEET

ROUTE 115 AT N. HANLEY RD

D-38A

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	145

COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

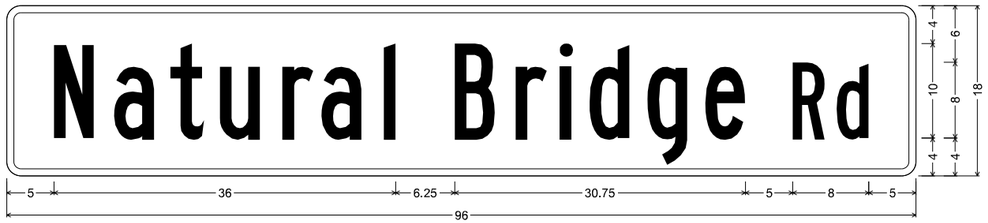
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE	REV.

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

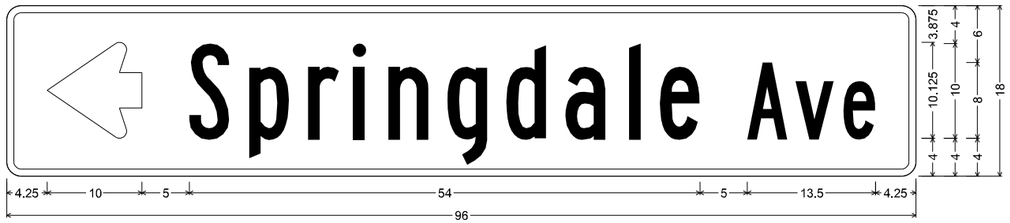
© Copyright CMT, Inc.
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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.



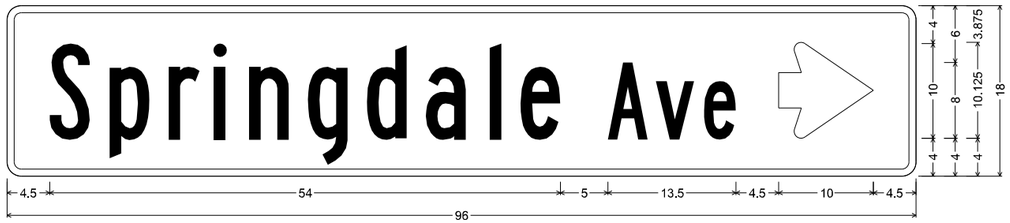
D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Natural Bridge", B 85% spacing; "Rd", B 85% spacing;
Table of letter and object lefts

N	a	t	u	r	a	l	B	r	i	d	g	e	R	d
5.000	11.375	17.250	22.500	29.125	33.250	39.750	47.250	53.750	58.375	61.500	67.625	73.750	83.000	87.625



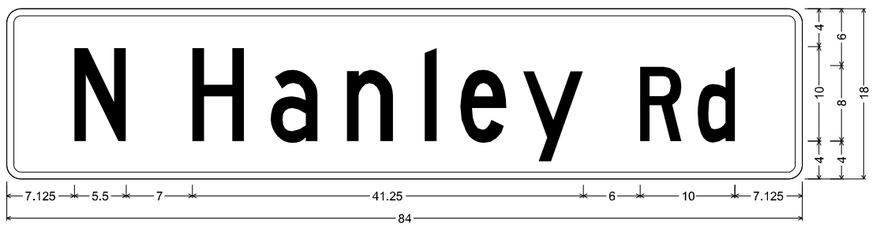
D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
Standard Arrow Custom 10.000" X 10.125" 180'; "Springdale", B 90% spacing; "Ave", B 90% spacing;
Table of letter and object lefts

◁	S	p	r	i	n	g	d	a	l	e	A	v	e
4.250	19.250	25.625	31.750	36.500	40.250	46.500	52.750	59.000	65.750	69.000	78.250	83.250	88.375



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"Springdale", B 90% spacing; "Ave", B 90% spacing; Standard Arrow Custom 10.000" X 10.125" 0';
Table of letter and object lefts

S	p	r	i	n	g	d	a	l	e	A	v	e	▷
4.500	10.875	17.000	21.750	25.500	31.750	38.000	44.250	51.000	54.250	63.500	68.500	73.625	81.500



D3-1 SH-FLAT SHEET;
1.500" Radius, 0.750" Border, White on, Green;
"N Hanley", C; "Rd", C;
Table of letter and object lefts

N	H	a	n	l	e	y	R	d
7.125	19.625	27.875	35.875	44.000	47.875	54.500	66.875	73.000

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	146

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

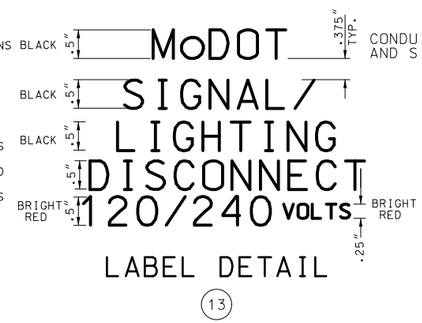
SHEET 19 OF 23

SIGNAL SHEET

SIGN DETAILS

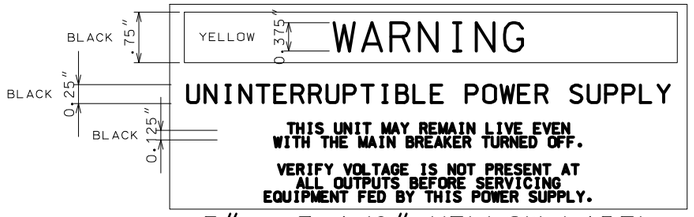
GENERAL NOTES:

1. ALTERNATE CABINET DIMENSIONS WILL BE ALLOWED AS APPROVED BY THE ENGINEER. INTERIOR CABINET VOLUME SHALL BE EQUAL TO OR GREATER THAN THAT SHOWN ON PLANS AND PROPER CLEARANCES SHALL BE PROVIDED FOR ALL EQUIPMENT. CONCRETE BASE DIMENSIONS SHALL BE MODIFIED TO FIT THE CABINET SUPPLIER.
2. PLACEMENT OF ALL ITEMS SHALL BE APPROVED BY THE ENGINEER.
3. SCHEMATIC DIAGRAM SHALL BE MOUNTED ON INSIDE OF CABINET DOOR.
4. THE UTILITY SHALL BE NOTIFIED IN WRITING 30 DAYS PRIOR TO DATE SERVICE WILL BE REQUIRED.
5. ALL CABINET OPENINGS SHALL BE COVERED AND SEALED WITH LIFETIME SILICONE CAULK.
6. ALL MATERIALS REQUIRED EXCLUDING REFERENCE ITEMS AS SHOWN ON THE DRAWING SHALL BE INCLUDED IN PRICE BID FOR 'PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY.' CABLE AND CONDUIT FROM POWER SUPPLY ASSEMBLY TO UTILITY COMPANY FACILITIES SHALL BE INCLUDED IN THE BID PRICE.
7. REFER TO PLAN SHEET DETAIL TO DETERMINE IF A UTILITY POLE OR PEDESTAL WILL BE REQUIRED.
8. CABINET SHALL BE LOCATED WITH A MINIMUM 36" CLEARANCE, FRONT, BACK, AND SIDES.
9. SEE CABINET MANUFACTURER FOR MOUNTING BASE DIMENSIONS AND ANCHOR BOLT LOCATIONS.



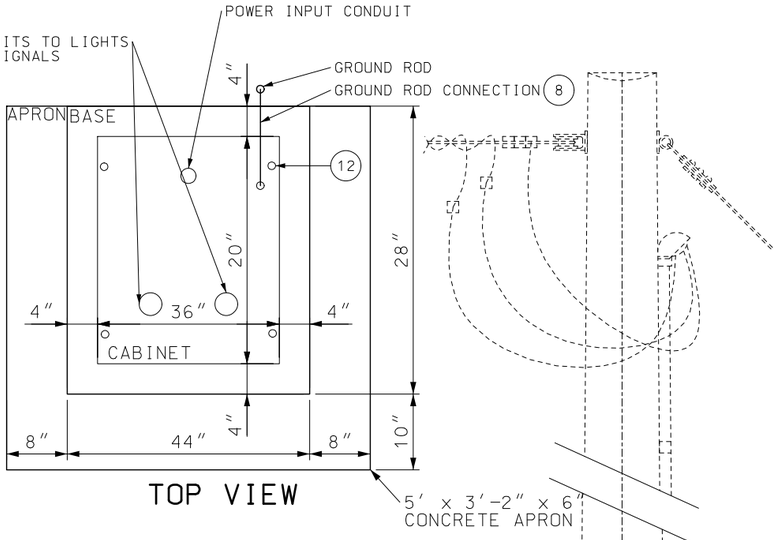
LABEL DETAIL

(13)



5" x 3 1/2" YELLOW LABEL

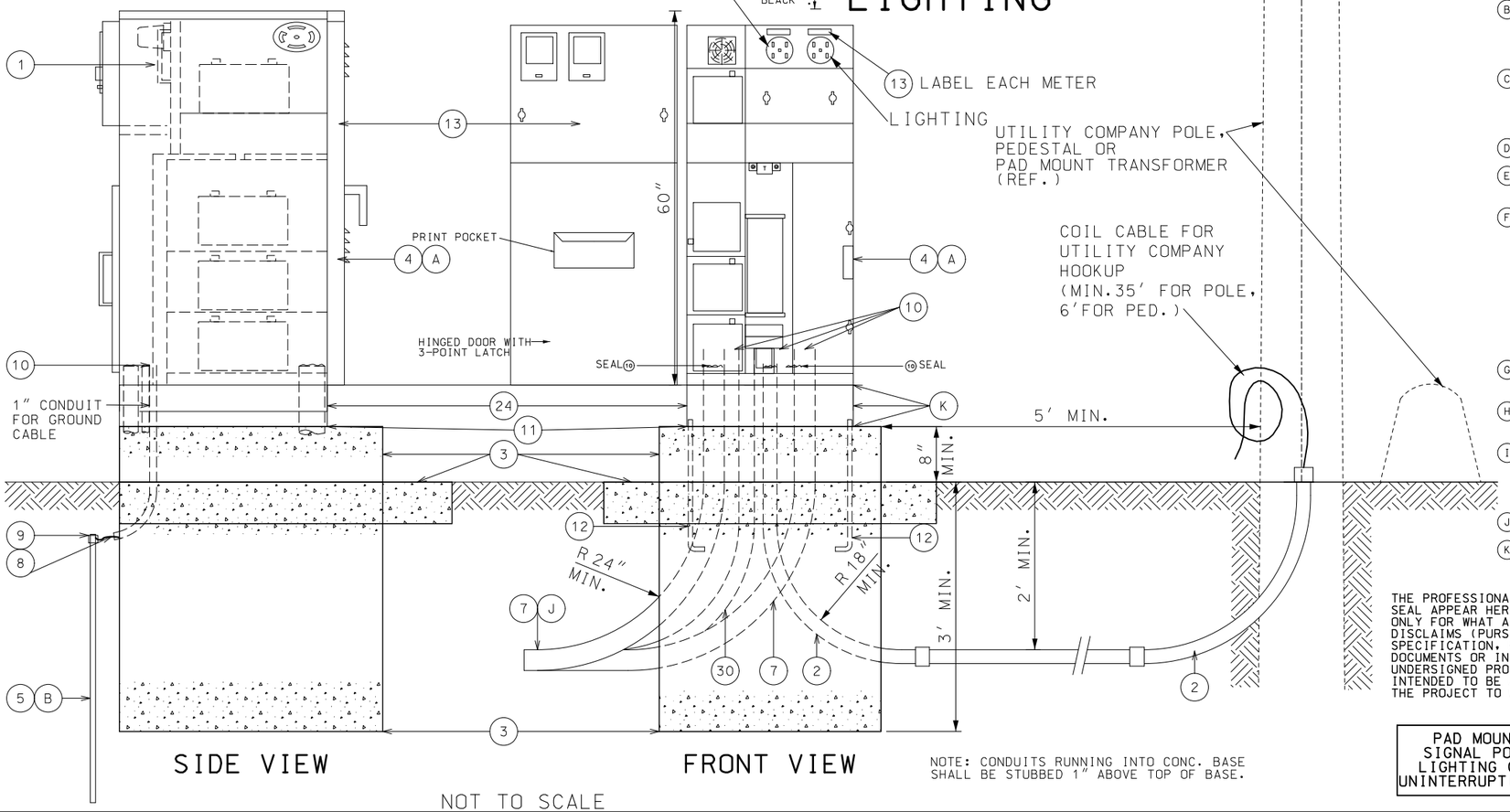
(UNDER SIGNAL METER ON LOWER DOOR)



TOP VIEW

LABEL DETAIL

BLACK .5"
BLACK .5"
SIGNAL
LIGHTING



SIDE VIEW FRONT VIEW

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

NOT TO SCALE

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

NOTES

(A) CABINET WITH POWER SUPPLY SHALL BE ALUMINUM OR STAINLESS STEEL. ALL HARDWARE, HINGES, CATCHES, ETC. SHALL BE STAINLESS STEEL. METER SOCKET AND OTHER EQUIPMENT AND MATERIALS SHALL BE U.L. APPROVED AND CONFORM TO THE REQUIREMENTS OF THE UTILITY COMPANY OR MUNICIPALITY PROVIDING POWER.

(B) IF SUBSURFACE CONDITIONS EXIST WHICH PROHIBIT THE PLACEMENT OF THE GROUND ROD IN A VERTICAL POSITION, THE ROD MAY BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES FROM VERTICAL OR BURIED IN A TRENCH AT LEAST 30 INCHES DEEP. CONNECTION TO GROUND ROD SHALL BE CAD WELDED.

(C) LIGHTING SYSTEM VOLTAGE AS SPECIFIED ON PLANS (120 OR 240 VOLTS). IF LIGHTS ARE TO BE MOUNTED ON SIGNAL POSTS, VOLTAGE MUST BE 120 VOLTS. 240 VOLT LIGHTS ARE NOT TO BE MOUNTED ON OR WIRED THROUGH SIGNAL POSTS, CONDUIT, OR PULL BOXES.

(D) LOCATE PHOTOELECTRIC SWITCH AT CENTER OF WINDOW.

(E) IF FOR REASONS OF VOLTAGE DROP A WIRE SIZE IS SPECIFIED LARGER THAN #2 AWG, A LARGER TERMINAL BLOCK SHALL BE INSTALLED FOR THAT CIRCUIT.

(F) BREAKER SIZING:

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

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

(G) ALL CIRCUIT BREAKERS SHALL CONFORM TO SECTION 901.4 OF THE STANDARD SPECIFICATIONS.

(H) TAPE BATTERY TEMPERATURE SENSOR TO THE SIDE OF EITHER BATTERY #2 OR BATTERY #3. SENSOR SHOULD BE TO THE MIDDLE OF THE BATTERY BANK.

(I) UTILITY COMPANY SHALL DECIDE IF LIGHTNING ARRESTORS ARE TO BE CONNECTED ON THE LINE SIDE OR THE LOAD SIDE OF THE METER. THE UTILITY COMPANY SHALL ALSO DETERMINE WHERE THE LIGHTNING ARRESTOR SHALL BE MOUNTED.

(J) INCLUDE ADDITIONAL CONDUITS AS NECESSARY FOR AUXILIARY CIRCUITS.

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

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.

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	147

COUNTY ST. LOUIS

JOB NO. J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

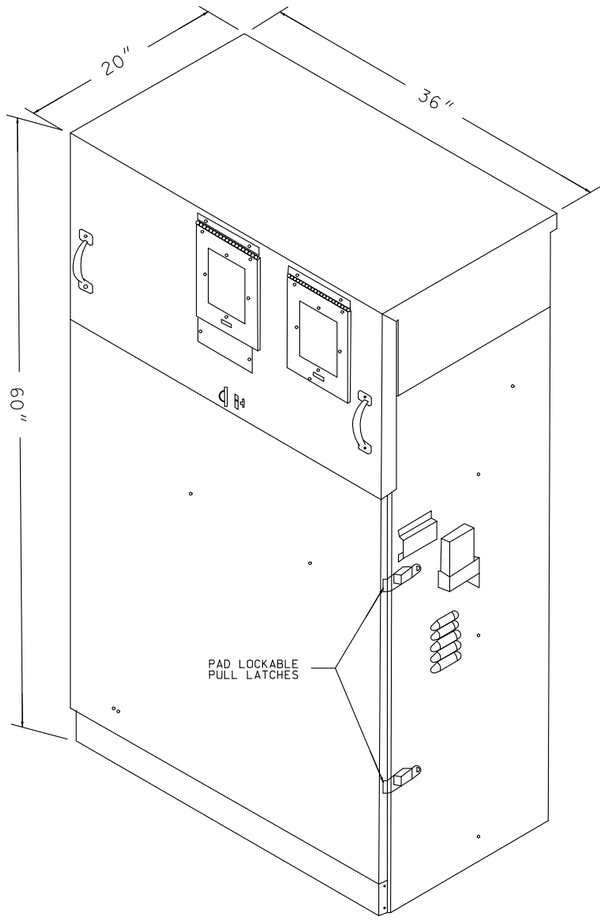
© Copyright CMT, Inc.

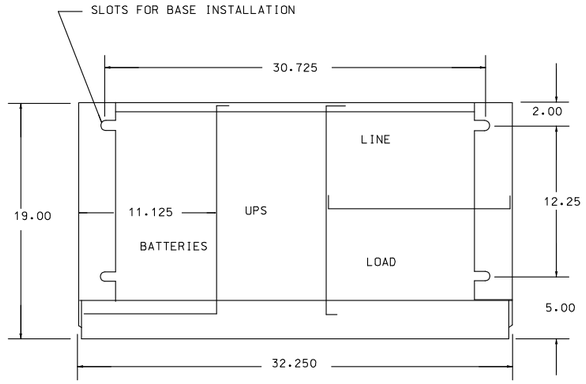
REV.

SHEET 20 OF 23

SIGNAL SHEET

DETAILS

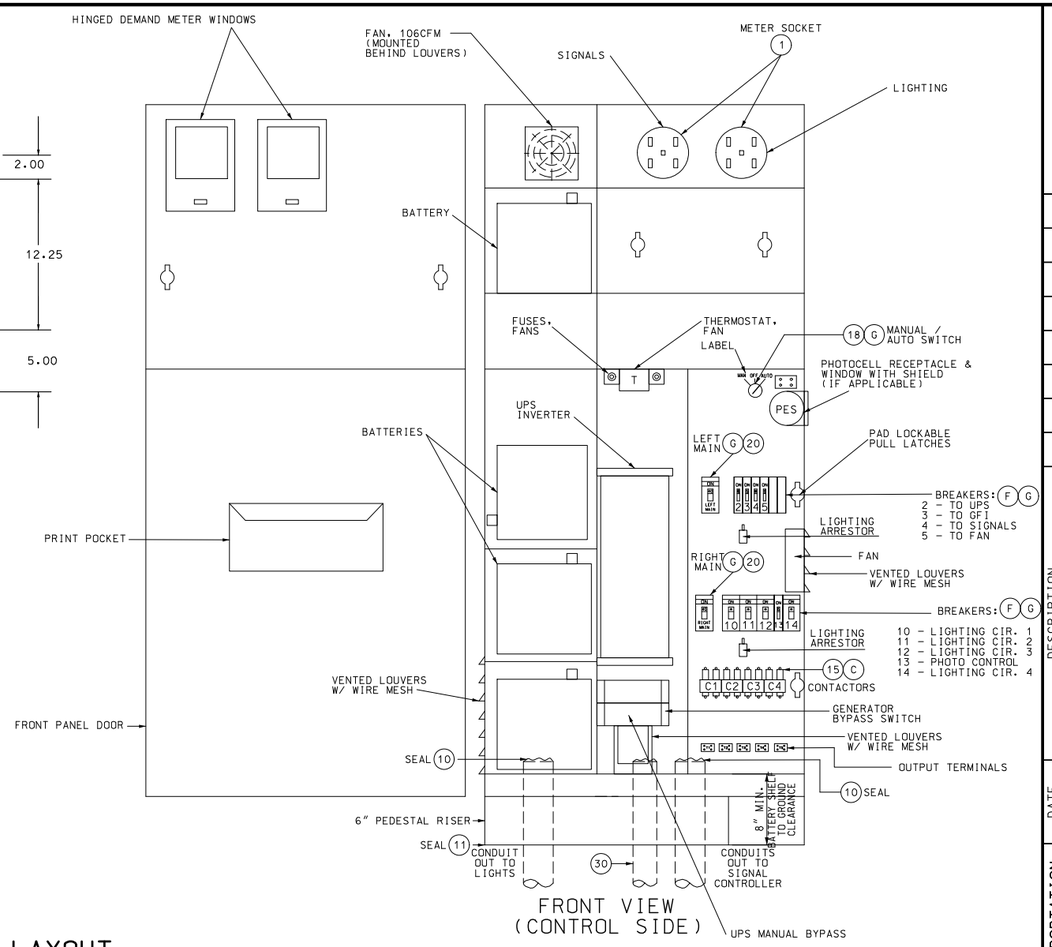




PEDESTAL PLAN VIEW

MOUNTING SLOT DETAIL

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



FRONT VIEW
(CONTROL SIDE)

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

EQUIPMENT LAYOUT

NOT TO SCALE

LIST OF MATERIALS			
ITEM	DESCRIPTION		
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS		
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES		
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)		
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET		
5	GROUND ROD, 3/4" DIA. x 8' MIN. (MIN. 8' IN SOIL)		
6	PHOTOELECTRIC SWITCH AND SOCKET, 105/285 V., 1000 WATT		
7	2" MIN. SCH 40 PVC CONDUIT (REF.)		
8	#2 AWG MIN., 600 V., GROUND CABLE		
9	EXOTHERMIC WELD WIRE TO ROD		
10	PLIABLE SEALANT		
11	LIFETIME SILICONE CAULK		
12	ANCHOR BOLTS, 5/8-11 x 18" LONG BOLTS, HOT DIP GALVANIZED, 4 REQUIRED		
13	WEATHERPROOF ADHESIVE LABEL, VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)		
14	INSULATED TERMINAL BLOCK		
15	2-POLE, 20 AMP, 120V COIL LIGHTING CONTACTOR		
16	2-POLE, 650 VOLT LIGHTNING ARRESTER		
17	1-POLE, 15 AMP, TYPE B BREAKER TO PHOTOELECTRIC SWITCH		
18	MANUAL-AUTO SWITCH		
19	INSULATED GROUNDABLE NEUTRAL, 100 AMP		
20	2-POLE, TYPE A MAIN BREAKER	26	30A GENERATOR MALE BASE
21	2-POLE, 15 AMP (MIN), TYPE A BREAKERS TO LIGHTING CIRCUITS ✳	27	INVERTER (1100VA MINIMUM)
22	1-POLE, 15 AMP (MIN.), TYPE A BREAKER TO SIGNALS ✳	28	1-POLE, 40 AMP, TYPE B UPS BREAKER
23	#2 AWG MIN., 600 V., POWER CABLE ✳	29	1-POLE, 15 AMP, TYPE B FAN BREAKER
24	6" PEDESTAL RISER	30	1 ½" CONDUIT OUT TO SIGNAL CABINET (CAT 5E AND CONTROL WIRING)
25	12V GEL CELL BATTERIES IN SERIES (4 MINIMUM)	✳	SEE PLANS FOR SIZE

NOTES

(A) CABINET WITH POWER SUPPLY SHALL BE ALUMINUM OR STAINLESS STEEL. ALL HARDWARE, HINGES, CATCHES, ETC. SHALL BE STAINLESS STEEL. METER SOCKET AND OTHER EQUIPMENT AND MATERIALS SHALL BE U.L. APPROVED AND CONFORM TO THE REQUIREMENTS OF THE UTILITY COMPANY OR MUNICIPALITY PROVIDING POWER.

(B) IF SUBSURFACE CONDITIONS EXIST WHICH PROHIBIT THE PLACEMENT OF THE GROUND ROD IN A VERTICAL POSITION, THE ROD MAY BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES FROM VERTICAL OR BURIED IN A TRENCH AT LEAST 30 INCHES DEEP. CONNECTION TO GROUND ROD SHALL BE CAD WELDED.

(C) LIGHTING SYSTEM VOLTAGE AS SPECIFIED ON PLANS (120 OR 240 VOLTS). IF LIGHTS ARE TO BE MOUNTED ON SIGNAL POSTS, VOLTAGE MUST BE 120 VOLTS. 240 VOLT LIGHTS ARE NOT TO BE MOUNTED ON OR WIRED THROUGH SIGNAL POSTS, CONDUIT, OR PULL BOXES.

(D) LOCATE PHOTOELECTRIC SWITCH AT CENTER OF WINDOW.

(E) IF FOR REASONS OF VOLTAGE DROP A WIRE SIZE IS SPECIFIED LARGER THAN #2 AWG, A LARGER TERMINAL BLOCK SHALL BE INSTALLED FOR THAT CIRCUIT.

(F) BREAKER SIZING:

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

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

(G) ALL CIRCUIT BREAKERS SHALL CONFORM TO SECTION 901.4 OF THE STANDARD SPECIFICATIONS.

(H) TAPE BATTERY TEMPERATURE SENSOR TO THE SIDE OF EITHER BATTERY #2 OR BATTERY #3. SENSOR SHOULD BE TO THE MIDDLE OF THE BATTERY BANK.

(I) UTILITY COMPANY SHALL DECIDE IF LIGHTNING ARRESTORS ARE TO BE CONNECTED ON THE LINE SIDE OR THE LOAD SIDE OF THE METER. THE UTILITY COMPANY SHALL ALSO DETERMINE WHERE THE LIGHTNING ARRESTOR SHALL BE MOUNTED.

(J) INCLUDE ADDITIONAL CONDUITS AS NECESSARY FOR AUXILIARY CIRCUITS.

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

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.

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

SHEET 21 OF 23

SIGNAL SHEET

DETAILS

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	
1/25/2024	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	148

COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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

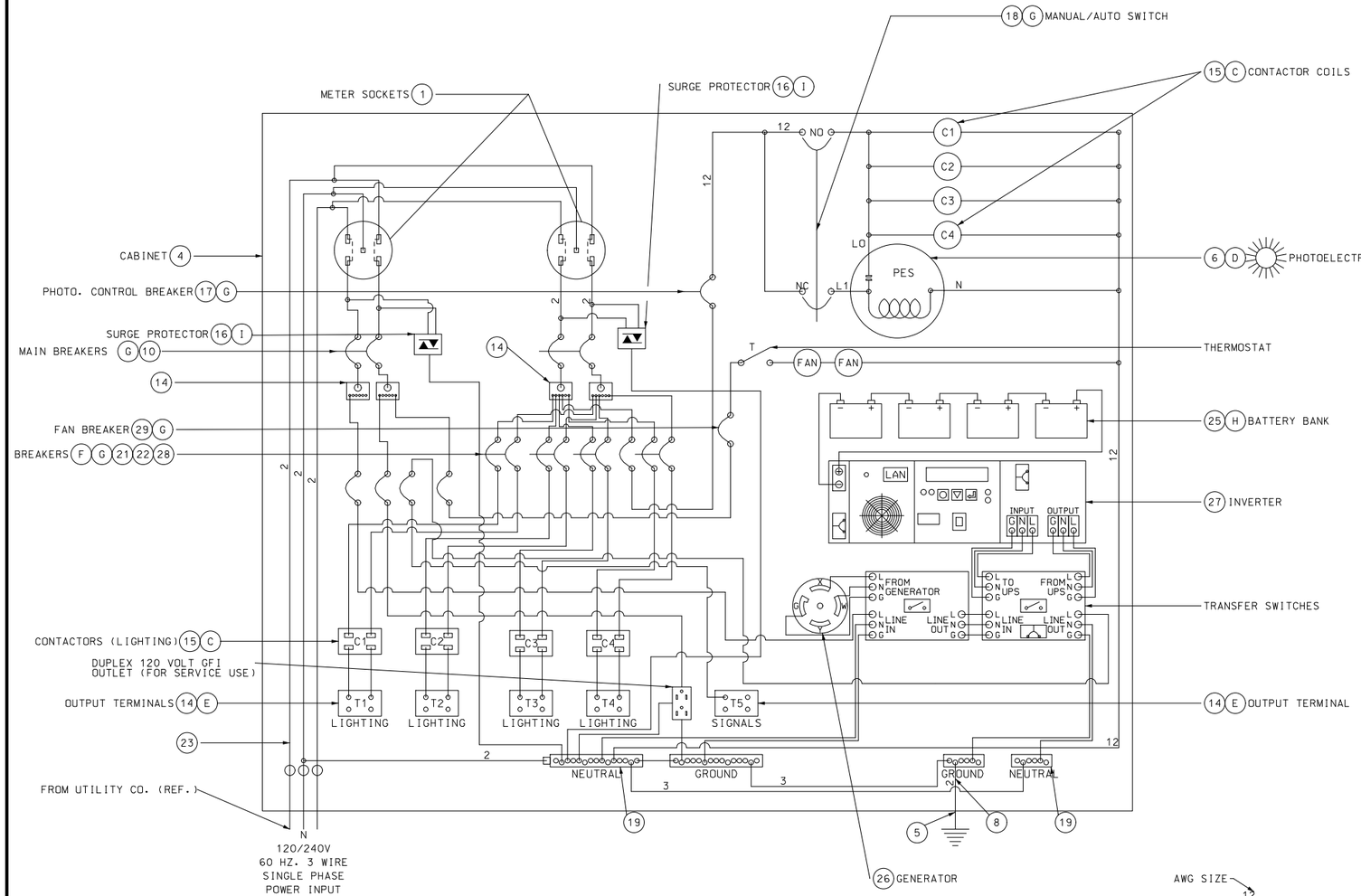
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

© Copyright CMT, Inc.

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.



LIST OF MATERIALS	
ITEM	DESCRIPTION
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET
5	GROUND ROD, 3/4" DIA. x 8' MIN. (MIN. 8' IN SOIL)
6	PHOTOELECTRIC SWITCH AND SOCKET, 105/285 V., 1000 WATT
7	2" MIN. SCH 40 PVC CONDUIT (REF.)
8	#2 AWG MIN., 600 V., GROUND CABLE
9	EXOTHERMIC WELD WIRE TO ROD
10	PLIABLE SEALANT
11	LIFETIME SILICONE CAULK
12	ANCHOR BOLTS, 5/8-11 x 18" LONG BOLTS, HOT DIP GALVANIZED, 4 REQUIRED
13	WEATHERPROOF ADHESIVE LABEL, VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
14	INSULATED TERMINAL BLOCK
15	2-POLE, 20 AMP, 120V COIL LIGHTING CONTACTOR
16	2-POLE, 650 VOLT LIGHTNING ARRESTER
17	1-POLE, 15 AMP, TYPE B BREAKER TO PHOTOELECTRIC SWITCH
18	MANUAL-AUTO SWITCH
19	INSULATED GROUNDABLE NEUTRAL, 100 AMP
20	2-POLE, TYPE A MAIN BREAKER
21	2-POLE, 15 AMP (MIN), TYPE A BREAKERS TO LIGHTING CIRCUITS *
22	1-POLE, 15 AMP (MIN.), TYPE A BREAKER TO SIGNALS *
23	#2 AWG MIN., 600 V., POWER CABLE *
24	6" PEDESTAL RISER
25	12V GEL CELL BATTERIES IN SERIES (4 MINIMUM)
26	30A GENERATOR MALE BASE
27	INVERTER (1100VA MINIMUM)
28	1-POLE, 40 AMP, TYPE B UPS BREAKER
29	1-POLE, 15 AMP, TYPE B FAN BREAKER
30	1 ½" CONDUIT OUT TO SIGNAL CABINET (CAT 5E AND CONTROL WIRING)
*	SEE PLANS FOR SIZE

NOTES

(A) CABINET WITH POWER SUPPLY SHALL BE ALUMINUM OR STAINLESS STEEL. ALL HARDWARE, HINGES, CATCHES, ETC. SHALL BE STAINLESS STEEL. METER SOCKET AND OTHER EQUIPMENT AND MATERIALS SHALL BE U.L. APPROVED AND CONFORM TO THE REQUIREMENTS OF THE UTILITY COMPANY OR MUNICIPALITY PROVIDING POWER.

(B) IF SUBSURFACE CONDITIONS EXIST WHICH PROHIBIT THE PLACEMENT OF THE GROUND ROD IN A VERTICAL POSITION, THE ROD MAY BE DRIVEN AT AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES FROM VERTICAL OR BURIED IN A TRENCH AT LEAST 30 INCHES DEEP. CONNECTION TO GROUND ROD SHALL BE CAD WELDED.

(C) LIGHTING SYSTEM VOLTAGE AS SPECIFIED ON PLANS (120 OR 240 VOLTS). IF LIGHTS ARE TO BE MOUNTED ON SIGNAL POSTS, VOLTAGE MUST BE 120 VOLTS. 240 VOLT LIGHTS ARE NOT TO BE MOUNTED ON OR WIRED THROUGH SIGNAL POSTS, CONDUIT, OR PULL BOXES.

(D) LOCATE PHOTOELECTRIC SWITCH AT CENTER OF WINDOW.

(E) IF FOR REASONS OF VOLTAGE DROP A WIRE SIZE IS SPECIFIED LARGER THAN #2 AWG, A LARGER TERMINAL BLOCK SHALL BE INSTALLED FOR THAT CIRCUIT.

(F) BREAKER SIZING:

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

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

(G) ALL CIRCUIT BREAKERS SHALL CONFORM TO SECTION 901.4 OF THE STANDARD SPECIFICATIONS.

(H) TAPE BATTERY TEMPERATURE SENSOR TO THE SIDE OF EITHER BATTERY #2 OR BATTERY #3. SENSOR SHOULD BE TO THE MIDDLE OF THE BATTERY BANK.

(I) UTILITY COMPANY SHALL DECIDE IF LIGHTNING ARRESTORS ARE TO BE CONNECTED ON THE LINE SIDE OR THE LOAD SIDE OF THE METER. THE UTILITY COMPANY SHALL ALSO DETERMINE WHERE THE LIGHTNING ARRESTOR SHALL BE MOUNTED.

(J) INCLUDE ADDITIONAL CONDUITS AS NECESSARY FOR AUXILIARY CIRCUITS.

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

WIRING DIAGRAM

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.

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

SHEET 22 OF 23

SIGNAL SHEET

DETAILS

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED 1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	149

COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

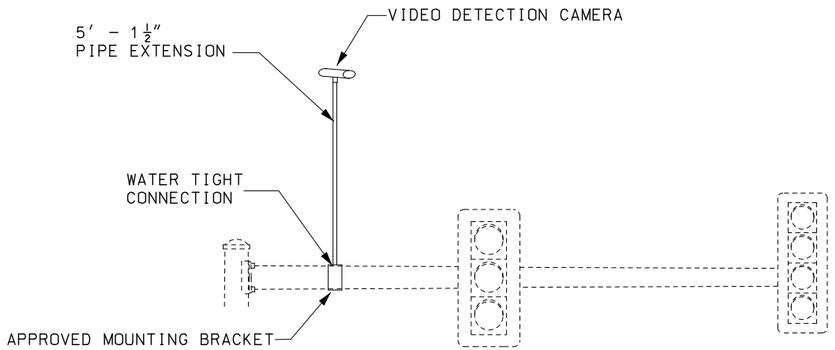
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE

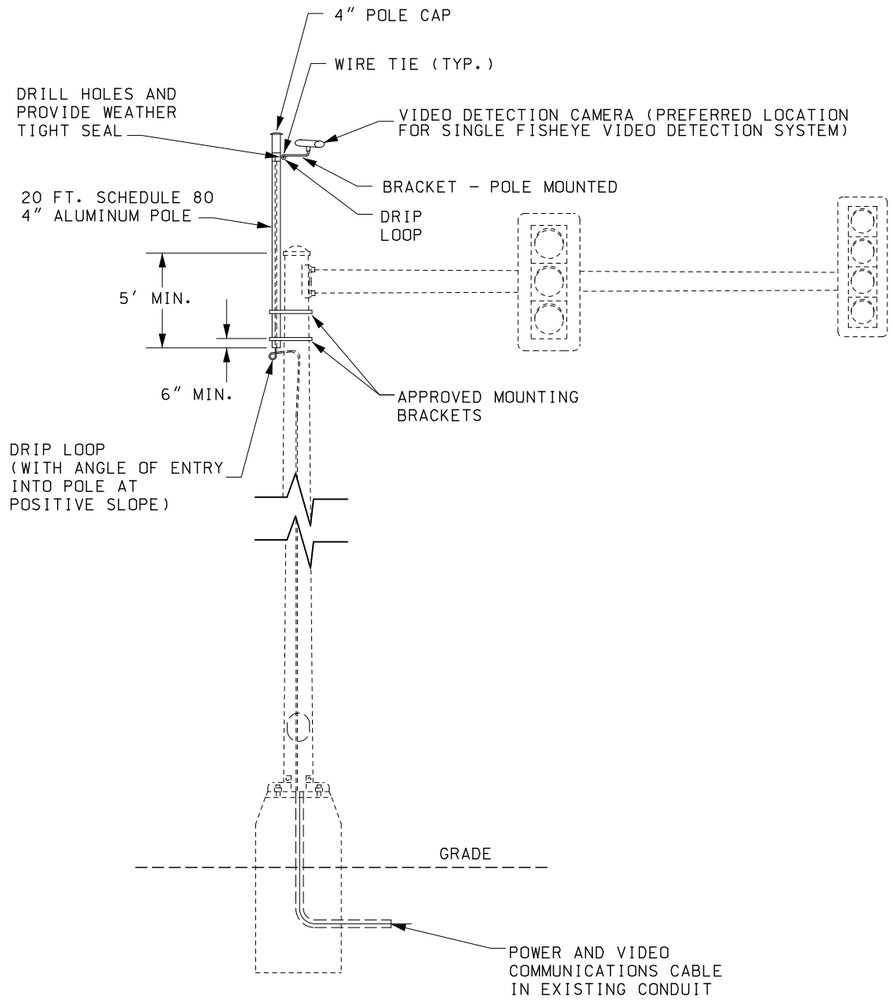
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

© Copyright CMT, Inc.
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
REV.

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.



CAMERAS SHALL BE AS CLOSE AS POSSIBLE TO CENTER OF SIGNALIZED APPROACH



STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	
1/25/2024	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	150
COUNTY	
ST. LOUIS	
JOB NO.	
J6S3417	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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

REV.	DESCRIPTION	DATE

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

CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

SHEET 23 OF 23
SIGNAL SHEET
DETAILS

SCALE
0 20 40 60

LIGHTING LEGEND

	CONTROLLER, LIGHTING		LED A LUMINAIRE
	CONTROLLER, LIGHTING (EXISTING)		LED B LUMINAIRE
	WOOD POST		LED C LUMINAIRE
	POWER SUPPLY	P.S.	POWER SUPPLY
JCT	JUNCTION BOX		PULL BOX (EXISTING)
	PULL BOX CONCRETE TYPE 1		PULL BOX CONCRETE TYPE 2
	PULL BOX PREFORMED TYPE 1		PULL BOX PREFORMED TYPE 2
	CONDUIT, RIGID (TRENCH)		CONDUIT, RIGID (PUSHED)
M	CONDUIT, RIGID (MEDIAN)	B	CONDUIT, RIGID (BRIDGE)
	CONDUIT, RIGID (EXISTING)		CABLE-CONDUIT (EXISTING)
	LED UNDERPASS LUMINAIRE		CABLE-CONDUIT

NOTE: WALL PACKS ARE TO BE INSTALLED ON THE FACE OF BRIDGE BENTS AS DIRECTED BY THE ENGINEER

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.

EXIST. UPS/LIGHTING CONTROLLER (UIP)
EXIST. SIGNAL CONTROLLER (UIP)
EXIST. ITS PB (UIP)
EXIST. MODOT LIGHT (UIP)
EXIST. MODOT FIBER & CONDUIT (UIP)
A106 LED WALL PACK ON STRUCTURE STA. 6+81.10 48.01' LT CIR. A1
A105 LED WALL PACK ON STRUCTURE STA. 7+12.13 47.88' LT CIR. A1
A104 LED WALL PACK ON STRUCTURE STA. 7+40.18 48.09' LT CIR. A1
℄ RTE 115
BEGIN PROJECT STA. 2+95.95
(UIP)
EXIST. R/W
EXIST. AMEREN DD LIGHT ON UTILITY POLE (UIP)
EXIST. MODOT LIGHT (UIP)
EXIST. MODOT FIBER & CONDUIT (UIP)
EXIST. MODOT LIGHT (UIP)
EXIST. MODOT PULL BOX (ATG)
EXIST. MODOT LIGHT (UIP)
℄ ENGLER AVE
℄ BOLBECHER RD
℄ SB I-170 RAMPS
STA. 10+17.07 BOLBECHER
MATCHLINE STA. 7+50.00 ROUTE 115

ROUTE 115

LIGHTING & ITS SHEET
1 OF 12

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	151

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

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

©Copyright CMT, Inc.
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

23MSD-00345, BASEMAPS 13-14K, 13-14J

L:\MoDOT\21001220-00\Draw\Roadway\Sheets\157_LT_01_J6S3417_Rte115_i20.dgn

NOTE: WALL PACKS ARE TO BE INSTALLED ON THE FACE OF BRIDGE BENTS AS DIRECTED BY THE ENGINEER

NOTE:
SEE LIGHTING LEGEND ON SHEET 1 OF 12 OF LIGHTING & ITS SHEETS

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.

SCALE
0 20 40 60

MATCHLINE 7+50.00
ROUTE 115

MATCHLINE 12+50.00
ROUTE 115

A103
LED WALL PACK
ON STRUCTURE
STA. 7+76.80
48.14' LT
CIR. A1

A102
LED WALL PACK
ON STRUCTURE
STA. 8+12.59
47.97' LT
CIR. A1

A101
LED WALL PACK
ON STRUCTURE
STA. 8+47.93
48.11' LT
CIR. A1

CLASS 1 PULL BOX
STA. 8+60.52
53.27' LT
CIR. A1

EXIST. MODOT FIBER
PB (UIP)

EXIST. MODOT FIBER
& CONDUIT (UIP)

EXIST. MODOT FIBER
PB (UIP)

CABLE CONDUIT

EXIST. MODOT FIBER
& CONDUIT (UIP)

℄ RTE. 115

A202
TOP MOUNT LED B
ON 45' M.H.
STA. 12+35.37
55.49' RT
CIR. A2

A112
LED WALL PACK
ON STRUCTURE
STA. 7+69.23
63.56' RT
CIR. A1

A111
LED WALL PACK
ON STRUCTURE
STA. 8+00.18
63.67' RT
CIR. A1

A110
LED WALL PACK
ON STRUCTURE
STA. 8+28.23
63.22' RT
CIR. A1

A109
LED WALL PACK
ON STRUCTURE
STA. 8+64.86
63.17' RT
CIR. A1

A108
LED WALL PACK
ON STRUCTURE
STA. 9+00.57
62.58' RT
CIR. A1

A107
LED WALL PACK
ON STRUCTURE
STA. 9+35.98
62.94' RT
CIR. A1

CLASS 1 PULL BOX
STA. 9+79.91
70.58' RT
CIR A1

CABLE CONDUIT

EXIST. MODOT LIGHT (R)

CLASS 1 PULL BOX
STA. 12+41.04
66.82' RT
CIR A1, A2

SB I-170

NB I-170

ROUTE 115

LIGHTING & ITS SHEET
2 OF 12

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	152

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

© Copyright CMT, Inc.

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

SCALE
0 20 40 60

NOTE:
SEE LIGHTING LEGEND ON SHEET 1 OF 12 OF LIGHTING & ITS SHEETS

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.

MATCHLINE 12+50.00 ROUTE 115

MATCHLINE 17+50.00 ROUTE 115

℄ SPRINGDALE AVE

EXIST. R/W

EXIST. MODOT LIGHT (R)

A201
TOP MOUNT LED B
ON 30' M.H.
STA. 13+05.85
102.23' LT
CIR A2

INTERCEPT MODOT FIBER WITH CLASS 5 ITS PB (REMOVE EXIST. FIBER PB) PROVIDE 60' FIBER SLACK IN BOX

CLASS 3 PULL BOX
STA. 12+86.83
75.97' LT
CIR A1, A2

EXIST. POWER SOURCE (U1P)

EXIST. MODOT FIBER PB (ATG)
PROVIDE 10' FIBER SLACK

REPLACE EXIST. MODOT FIBER WITH NEW 24-STRAND SM FIBER OPTIC CABLE IN EXIST. CONDUIT

EXIST. R/W

EXIST. MODOT LIGHT (R)

PROPOSED AMEREN DD LIGHT ON 6' BRACKET (BO)

EXIST. MODOT FIBER PB (ATG)
PROVIDE 10' FIBER SLACK

PROP. 120V/240V POWER SUPPLY & LIGHTING CONTROLLER "A"

℄ RTE 115

CLASS 1 PULL BOX
STA. 14+31.70
77.72' RT
CIR A2

CABLE CONDUIT

EXIST. R/W

A204
TOP MOUNT LED B
ON 45' M.H.
STA. 16+82.47
65.12' RT
CIR A2

EXIST. AMEREN DD LIGHT (R)

℄ NB I-170 RAMPS

A203
TOP MOUNT LED B
ON 45' M.H.
STA. 14+22.89
93.53' RT
CIR A2

EXIST. MODOT LIGHT (R)

ROUTE 115

LIGHTING & ITS SHEET
3 OF 12

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

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	153

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

SCALE
0 20 40 60

NOTE:
SEE LIGHTING LEGEND ON SHEET 1 OF 12 OF LIGHTING & ITS SHEETS

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.

MATCHLINE 17+50.00
ROUTE 115

MATCHLINE 22+50.00
ROUTE 115

EXIST. AMEREN DD LIGHT (UIP)

REPLACE EXIST. MODOT FIBER WITH NEW 24-STRAND SM FIBER OPTIC CABLE IN EXIST. CONDUIT

EXIST. AMEREN DD LIGHT (UIP)

PRIVATE LIGHT (DND)

PRIVATE LIGHT (DND)

EXIST. R/W

EXIST. MODOT FIBER PB (UIP)
PROVIDE 10' FIBER SLACK

℄ RTE. 115

EXIST. AMEREN DD LIGHT (UIP)

CABLE CONDUIT

CABLE CONDUIT

EXIST. AMEREN DD LIGHT (UIP)

CABLE CONDUIT

EXIST. R/W

A205
TOP MOUNT LED B
ON 45' M.H.
STA. 18+12.55
55.79' RT
CIR. A2

PRIVATE LIGHT (DND)

A206
TOP MOUNT LED B
ON 45' M.H.
STA. 20+75.48
41.60' RT
CIR. A2

℄ MALINE AVE

℄ SARGENT AVE

EXIST. R/W

ROUTE 115

LIGHTING & ITS SHEET
4 OF 12

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	154

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

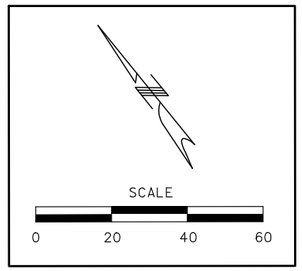
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.



NOTE:
SEE LIGHTING LEGEND ON SHEET 1 OF 12 OF LIGHTING & ITS SHEETS

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.

MATCHLINE 22+50.00
ROUTE 115

MATCHLINE 27+50.00
ROUTE 115

REPLACE EXIST. MODOT FIBER WITH NEW 24-STRAND SM FIBER OPTIC CABLE IN EXIST. CONDUIT

EXIST. AMEREN DD LIGHT (UIP)

PRIVATE LIGHT (DND)

PRIVATE LIGHT (DND)

PRIVATE LIGHT (DND)

EXIST. MODOT FIBER PB (UIP) PROVIDE 10' FIBER SLACK

EXIST. AMEREN DD LIGHT (UIP)

EXIST. MODOT FIBER PB (UIP) PROVIDE 10' FIBER SLACK

EXIST. MODOT FIBER PB (UIP) PROVIDE 10' FIBER SLACK

℄ RTE. 115

CABLE CONDUIT

EXIST. AMEREN DD LIGHT (UIP)

A207
TOP MOUNT LED B
ON 45' M.H.
STA. 25+61.84
41.81' RT
CIR A2

EXIST. R/W

ROUTE 115

LIGHTING & ITS SHEET
5 OF 12

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	155

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

©Copyright CMT, Inc.

SCALE
0 20 40 60

NOTE:
SEE LIGHTING LEGEND ON SHEET 1 OF 12 OF LIGHTING & ITS SHEETS

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.

MATCHLINE 27+50.00
ROUTE 115

MATCHLINE 32+50.00
ROUTE 115

REPLACE EXIST. MODOT FIBER WITH NEW 24-STRAND SM FIBER OPTIC CABLE IN EXIST. CONDUIT

PRIVATE LIGHT (DND)

EXIST. AMEREN DD LIGHT (UIP)

EXIST. MODOT FIBER PB (UIP) PROVIDE 10' FIBER SLACK

EXIST. AMEREN DD LIGHT ON UTILITY POLE (UIP)

PRIVATE LIGHT (DND)

℄ RTE. 115

A6

CABLE CONDUIT

EXIST. AMEREN DD LIGHT (UIP)

CLASS 1 PULL BOX
STA. 29+06.51
35.11' RT
CIR A2

A208
TOP MOUNT LED B
ON 45' M.H.
STA. 30+79.84
38.20' RT
CIR A2

EXIST. AMEREN DD LIGHT ON UTILITY POLE (R)

A209
TOP MOUNT LED B
ON 45' M.H.
STA. 32+00.92
38.87' RT
CIR A2

EXIST. R/W

ROUTE 115

LIGHTING & ITS SHEET
6 OF 12

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	156

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

NOTE:
SEE LIGHTING LEGEND ON SHEET 1 OF 12 OF LIGHTING & ITS SHEETS

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.

SCALE
0 20 40 60

MATCHLINE 32+50.00
ROUTE 115

MATCHLINE 37+50.00
ROUTE 115

PRIVATE LIGHT (DND)
REPLACE EXIST. MODOT FIBER WITH NEW 24-STRAND SM FIBER OPTIC CABLE IN EXIST. CONDUIT
EXIST. AMEREN DD LIGHT (UIP)
PRIVATE LIGHT ON UTILITY POLE (DND)
EXIST. AMEREN DD LIGHT ON UTILITY POLE (UIP)
PRIVATE LIGHT (DND)
PRIVATE LIGHT (DND)
PRIVATE LIGHT (DND)
EXIST. R/W
EXIST. MODOT FIBER PB (ATG)
PROVIDE 10' FIBER SLACK
℄ RTE. 115
CLASS 1 PULL BOX
STA. 35+27.19
36.60' RT
CIR A2
EXIST. AMEREN DD LIGHT (R)
EXIST. AMEREN DD LIGHT ON UTILITY POLE (UIP)
EXIST. R/W
T.C.E.
A210
TOP MOUNT LED B
ON 45' M.H.
STA. 33+88.49
40.39' RT
CIR A2
EXIST. AMEREN DD LIGHT ON UTILITY POLE (UIP)
EXIST. AMEREN DD LIGHT ON UTILITY POLE (UIP)
CLASS 1 PULL BOX
STA. 37+29.12
35.18' RT
CIR A2
℄ LEEWARD AVE
EXIST. R/W
EXIST. R/W
EXIST. R/W
T.C.E.
T.C.E.

ROUTE 115

LIGHTING & ITS SHEET
7 OF 12

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

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	157

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

NOTE:
SEE LIGHTING LEGEND ON SHEET 1 OF 12 OF LIGHTING & ITS SHEETS

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.

SCALE
0 20 40 60

MATCHLINE STATION 37+50.00 ROUTE 115

MATCHLINE STATION 42+00.00 ROUTE 115

℄ LADA AVE

℄ RTE. 115

℄ RAMONA AVE

EXIST. R/W

PRIVATE LIGHT (DND)

EXIST. AMEREN DD LIGHT ON UTILITY POLE (UIP)

REPLACE EXIST. MODOT FIBER WITH NEW 24-STRAND SM FIBER OPTIC CABLE IN EXIST. CONDUIT

CLASS 1 PULL BOX
STA. 38+75.00
34.70' RT
CIR A2

CLASS 1 PULL BOX
STA. 40+75.38
33.47' RT
CIR A2

A211
TOP MOUNT LED B
ON 45' M.H.
STA. 41+23.86
39.96' RT
CIR A2

EXIST. AMEREN DD LIGHT (R)

T.C.E.

P.E.

A9

A10

ROUTE 115

LIGHTING & ITS SHEET
8 OF 12

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	158

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

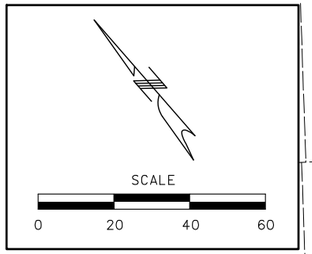
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

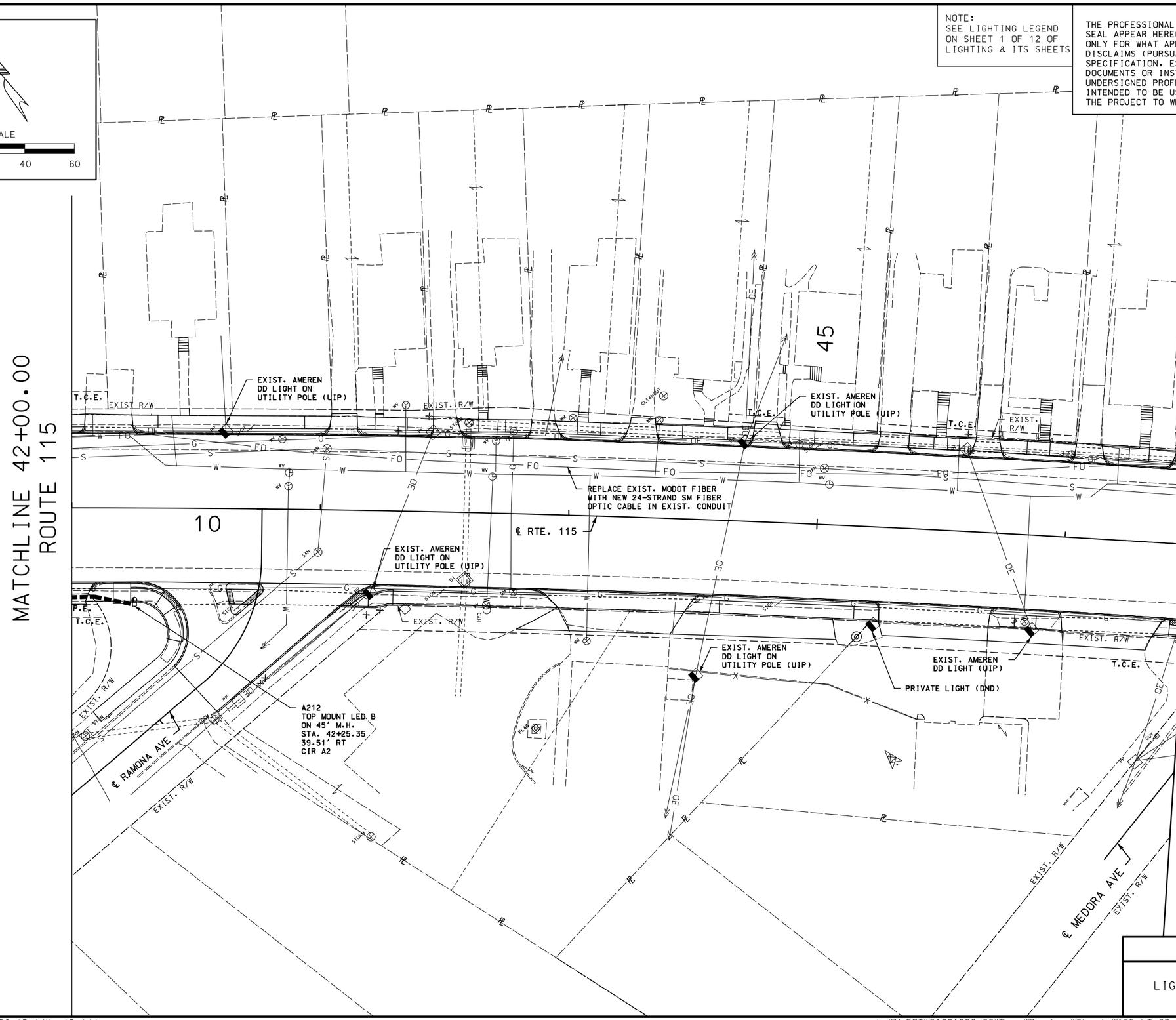
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

NOTE:
SEE LIGHTING LEGEND ON SHEET 1 OF 12 OF LIGHTING & ITS SHEETS

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.





ROUTE 115

LIGHTING & ITS SHEET
9 OF 12

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	
1/25/2024	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 159
COUNTY ST. LOUIS	
JOB NO. J6S3417	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

NOTE:
SEE LIGHTING LEGEND ON SHEET 1 OF 12 OF LIGHTING & ITS SHEETS

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.

MATCHLINE 46+50.00
ROUTE 115

MATCHLINE 51+50.00
ROUTE 115

℄ RTE. 115

℄ MEDORA AVE

EXIST. R/W

EXIST. AMEREN DD LIGHT ON UTILITY POLE (UIP)

EXIST. AMEREN DD LIGHT (R&RELOC.)

REPLACE EXIST. MODOT FIBER WITH NEW 24-STRAND SM FIBER OPTIC CABLE IN EXIST. CONDUIT

T.C.E.

P.E.

LOT 17

SCALE
0 20 40 60

ROUTE 115

LIGHTING & ITS SHEET
10 OF 12

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	160

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

© Copyright CMT, Inc.

SCALE
0 20 40 60

NOTE:
SEE LIGHTING LEGEND ON SHEET 1 OF 12 OF LIGHTING & ITS SHEETS

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.

MATCHLINE 51+50.00
ROUTE 115

MATCHLINE 55+50.00
ROUTE 115

EXIST. MODOT FIBER PB (ATG)
PROVIDE 10' FIBER SLACK

EXIST. AMEREN
DD LIGHT ON
UTILITY POLE (UIP)

REPLACE EXIST. MODOT FIBER
WITH NEW 24-STRAND SM FIBER
OPTIC CABLE IN EXIST. CONDUIT

℄ RTE. 115

EXIST. AMEREN
DD LIGHT (UIP)

EXIST. MODOT FIBER PB (ATG)
PROVIDE 10' FIBER SLACK

PRIVATE LIGHT
(DND)

EXIST. AMEREN
DD LIGHT (UIP)

REPLACE EXIST. MODOT FIBER
WITH NEW 24-STRAND SM FIBER
OPTIC CABLE IN EXIST. CONDUIT

PRIVATE LIGHT
(DND)

PRIVATE LIGHT
(DND)

EXIST. R/W
T.C.E.
P.E.
UE
UF
FO
OE
W
G
S
C
F
X

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED	
1/25/2024	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	161
COUNTY	
ST. LOUIS	
JOB NO.	
J6S3417	
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)

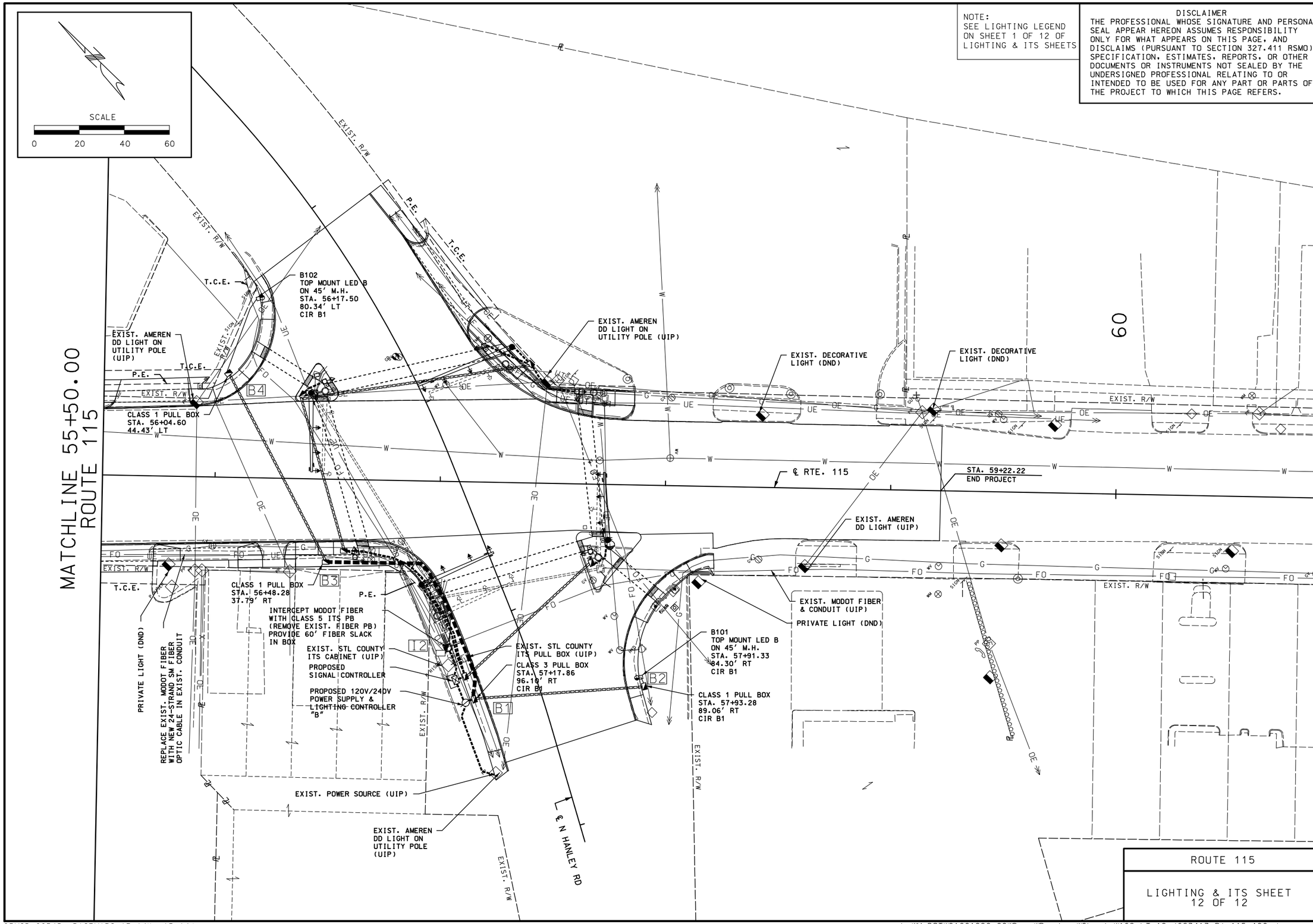
CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

ROUTE 115

LIGHTING & ITS SHEET
11 OF 12

NOTE:
SEE LIGHTING LEGEND ON SHEET 1 OF 12 OF LIGHTING & ITS SHEETS

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.



ROUTE 115

LIGHTING & ITS SHEET
12 OF 12

STATE OF MISSOURI
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER

01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

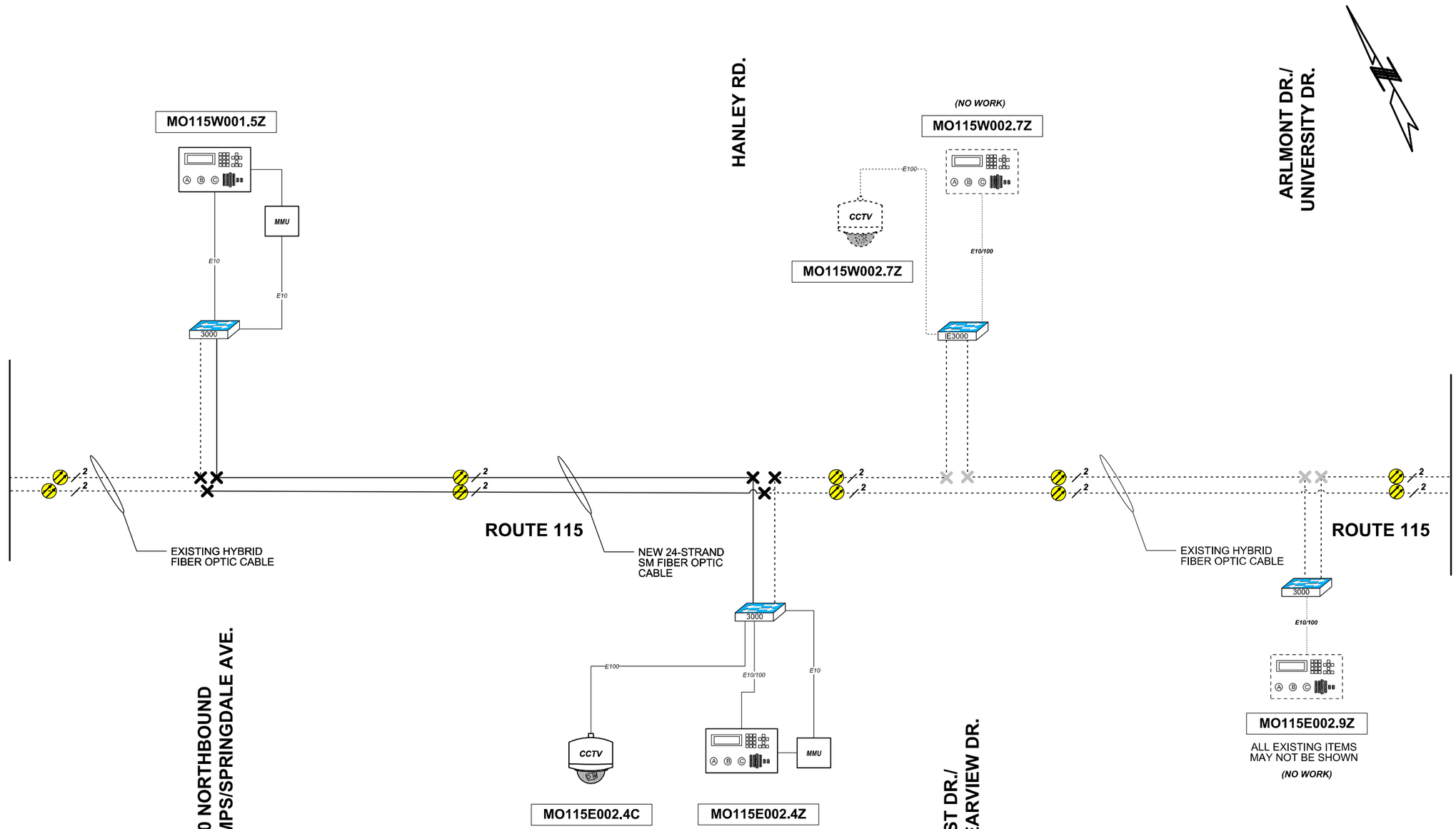
DATE PREPARED	
1/25/2024	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 162
COUNTY ST. LOUIS	
JOB NO. J6S3417	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

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

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631



NOTE:
1) DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.
2) ALL FIBER SPLICES ARE NOT SHOWN. SEE SLICE DIAGRAMS.

MI055E001.8T — DEVICE IDENTIFIER

CCTV CCTV — EXISTING/ PROPOSED CCTV CAMERA

DMS DMS — EXISTING/PROPOSED DYNAMIC MESSAGE SIGN

2950 — EXISTING CISCO 2950 SWITCH

3000 — EXISTING CISCO 3000 SWITCH

3300 — PROPOSED CISCO 3300 SWITCH

EXISTING/PROPSED TRAFFIC SIGNAL CONTROLLER

MMU — MALFUNCTION MANAGEMENT UNIT

POWER INJECTOR — CISCO 1400 AIRONET POWER INJECTOR

CISCO 1400 AIRONET WIRELESS ETHERNET BRIDGE

MC — MEDIA CONVERTER

FO DATA MODEM — FIBER OPTIC DATA MODEM

E10 — 10 MBPS ETHERNET

E100 — 100 MBPS ETHERNET

VIDEO DETECTION SYSTEM

VDS AP — SENSYS DETECTION SYSTEM

VD — IP VIDEO ENCODER

DEVICE SERVER — DEVICE SERVER

CONTINUOUS TRACKING ADVANCED DETECTOR SYSTEM

FIBER OPTIC CABLE

COAX CABLE

TWISTED PAIR CABLE

EXISTING/PROPOSED FUSION SPLICE

10/100 MBPS ETHERNET LINK

OC-48 LINK

OC-12 LINK

PROPOSED CABLE

EXISTING CABLE

WIRELESS CONNECTION

CONNECTION DETAIL
ROUTE 115
(NATURAL BRIDGE RD.)
SHEET 1 OF 1

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000806
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED: 12/20/2023
ROUTE: 115
STATE: MO
DISTRICT: SL
SHEET NO.: 163
COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

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

REV.

UNINTERRUPTIBLE POWER SUPPLY (UPS)
RJ-45

SIGNAL CABINET
NB I-170 RAMPS/SPRINGDALE AVE. & ROUTE 115 (NATURAL BRIDGE RD.)

CISCO IE3000 ETHERNET SWITCH
10/100 PORTS
TX
RX
TX
RX
SFP
SFP

SIGNAL MONITOR

ETHERNET ENABLE CONTROLLER
RJ-45
A
B
C

IF APPLICABLE
BIU
VIDEO PROCESSORS
RJ-45
RS-232

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

SDLC

CAT-5E STP
CAT-5E STP
CAT-5E STP
CAT-5E STP
CAT-5E STP

IP OUTLET STRIP
RJ-45

1 2 3 4
VIDEO SWITCHER

VIDEO MONITOR

BACK PANEL

WALL-MOUNTED INTERCONNECT CENTER

EXISTING HYBRID FIBER OPTIC CABLE WEST ALONG RTE. 115 TO SB I-170 RAMPS

BLUE TUBE (SINGLE MODE)
BLUE/BLUE
BLUE/ORANGE
BLUE/GREEN
BLUE/BROWN
BLUE/SLATE
BLUE/WHITE

ORANGE TUBE (MULTIMODE)
ORANGE/BLUE
ORANGE/ORANGE
ORANGE/GREEN
ORANGE/BROWN
ORANGE/SLATE
ORANGE/WHITE

BLUE TUBE (SINGLE MODE)
BLUE/BLUE
BLUE/ORANGE
BLUE/GREEN
BLUE/BROWN
BLUE/SLATE
BLUE/WHITE
BLUE/RED
BLUE/BLACK
BLUE/YELLOW
BLUE/VIOLET
BLUE/ROSE
BLUE/AQUA

ORANGE TUBE (SINGLE MODE)
ORANGE/BLUE
ORANGE/ORANGE
ORANGE/GREEN
ORANGE/BROWN
ORANGE/SLATE
ORANGE/WHITE
ORANGE/RED
ORANGE/BLACK
ORANGE/YELLOW
ORANGE/VIOLET
ORANGE/ROSE
ORANGE/AQUA

NEW 24 CT SM FIBER OPTIC CABLE EAST ALONG ROUTE 115 TO HANLEY RD. MO115E002.4Z

VLAN VL0158

KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

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

FIBER SPLICING & BLOCK DIAGRAM
MO115W001.5Z
NB I-170 RAMPS/SPRINGDALE & ROUTE 115 (NATURAL BRIDGE RD.)
SHEET 1 OF 2

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000805
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

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

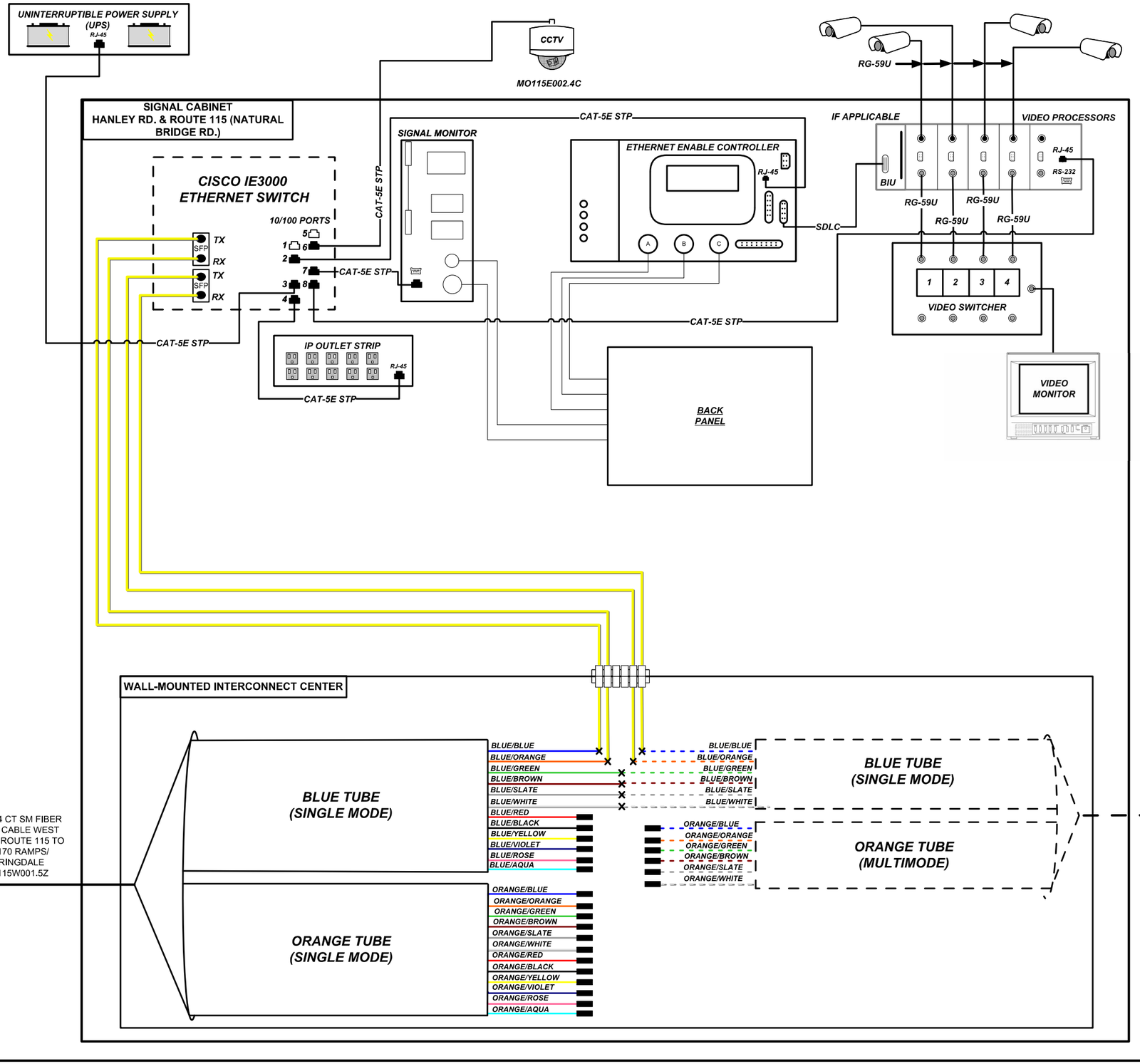
DATE PREPARED	12/20/2023
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	164
COUNTY	ST. LOUIS
JOB NO.	J6S3417
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE | REV.

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

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

J6S3417_Splicing.VSDX 12/20/2023



KEY

MI170N123.4C	DEVICE IDENTIFIER
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	SM PATCH THROUGH FIBER OPTIC JUMPER
	SM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	SM FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
	BARE FIBER LEFT COILED IN SPLICE TRAY
	EXISTING/PROPOSED FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

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

VLAN VL0158

FIBER SPLICING & BLOCK DIAGRAM MO115E002.4Z ROUTE 115 (NATURAL BRIDGE RD.) & HANLEY RD. SHEET 2 OF 2

STATE OF MISSOURI
CHARLES A. MILLER
NUMBER E-2002000606
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

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

DATE PREPARED	12/20/2023
ROUTE	115
STATE	MO
DISTRICT	SL
SHEET NO.	165
COUNTY	ST. LOUIS
JOB NO.	J6S3417
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION | DATE | REV.

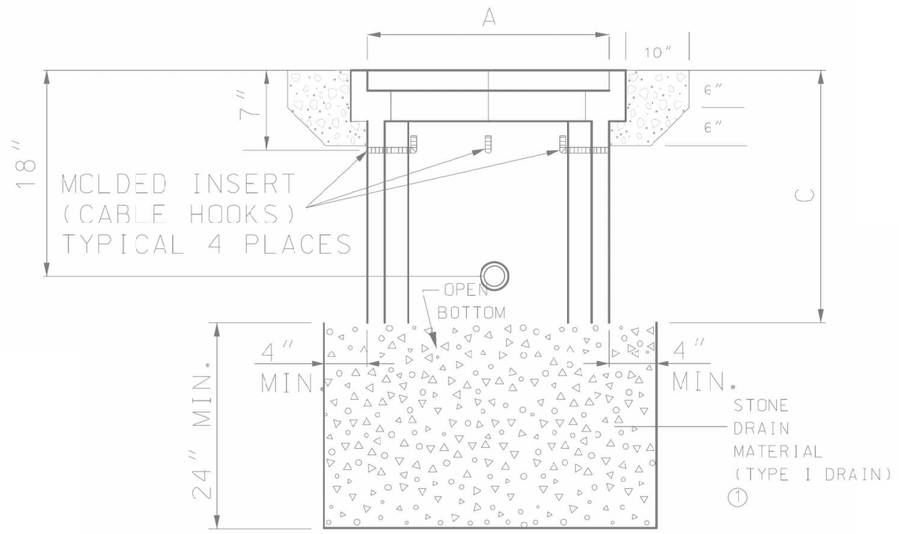
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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

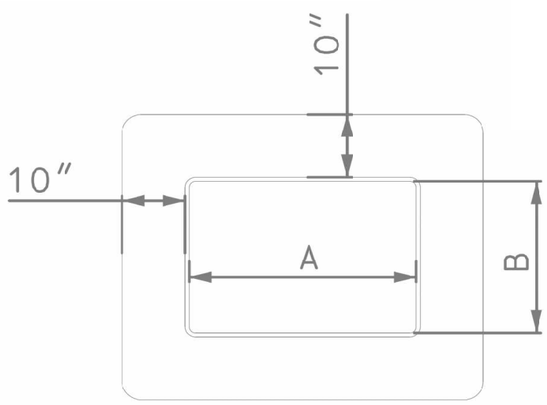
ITS PULL BOXES WITH CONCRETE PADS

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.

CLASS 2 ITS PULLBOX WITH CONCRETE PAD



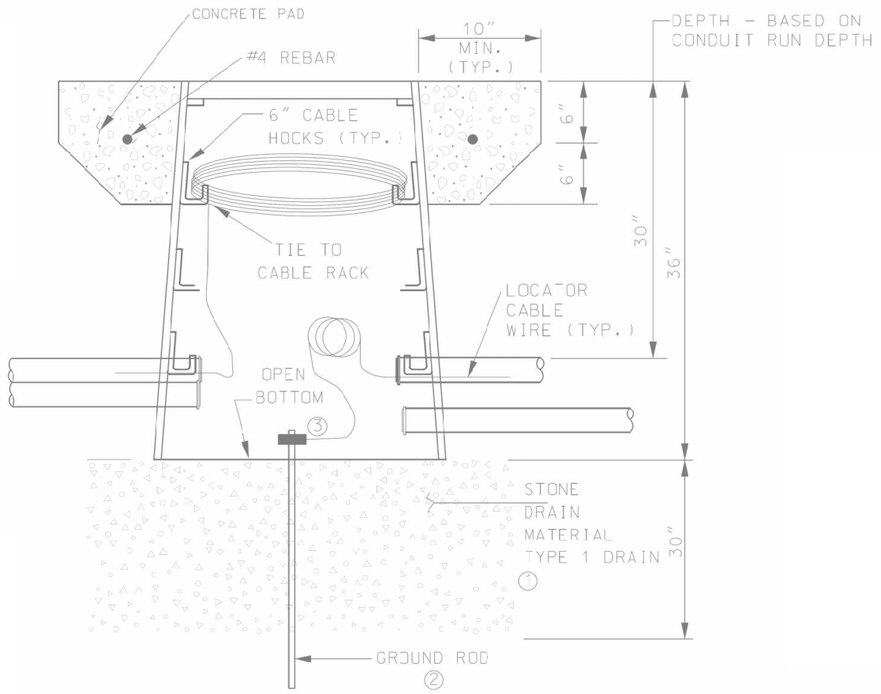
ELEVATION



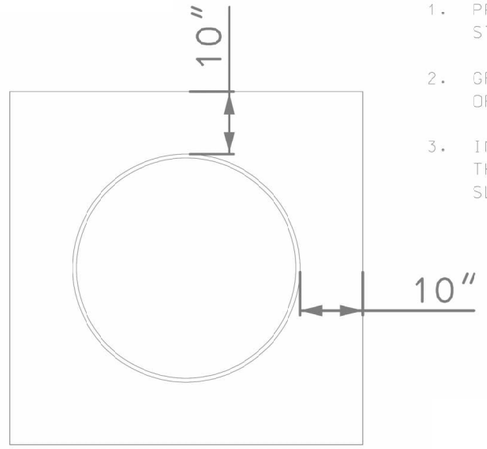
PLAN

FOR PULL BOX DIMENSIONS SEE STANDARD PLAN 902.20

CLASS 5 ITS PULLBOX WITH CONCRETE PAD



ELEVATION



PLAN

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

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
CASSANDRA MCKEE LEE
NUMBER PE-2023025373
PROFESSIONAL ENGINEER
01/25/2024
Cassandra McKee Lee - Civil
MO PE-2023025373

DATE PREPARED: 1/25/2024
ROUTE: 115 | STATE: MO
DISTRICT: SL | SHEET NO.: 166
COUNTY: ST. LOUIS
JOB NO.: J6S3417
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)

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

REV.

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.

SEWER CONSTRUCTION NOTES

STANDARD CONSTRUCTION:

ALL STORM AND SANITARY SEWER STRUCTURES ARE APPURTENANCES TO BE DEDICATED TO MSD, OR TO BE PRIVATE UNDER MSD INSPECTION, SHALL CONFORM TO THE METROPOLITAN ST. LOUIS SEWER DISTRICT, STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWERS AND DRAINAGE FACILITIES, 2023. THAT WILL INCLUDED STANDARD DETAILS SHOWN THEREIN, ALL SUBSEQUENT CHANGES MADE THERETO, AND SHALL ALSO INCLUDE THE FOLLOWING:

PART 2-MATERIALS OF CONSTRUCTION
SECTION G PIPE.

12. CORRUGATED POLYPROPYLENE PIPE.

D. PIPE FOR GRAVITY SEWER INSTALLATIONS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321. CONSOLIDATION BY WATER (JETTING OR PUDDLING) SHALL NOT BE USED. CONSOLIDATION SHALL BE IN ACCORDANCE WITH MSD STANDARD CONSTRUCTION SPECIFICATIONS FOR TRENCH BACKFILL. PRICE FOR COMPACTED BACKFILL SHALL BE INCLUDED IN PIPE UNIT COST.

1. FOR USE IN SANITARY AND COMBINED SEWER INSTALLATIONS, A REPRESETATIVE FROM THE PIPE MANUFACTURER SHALL VISIT THE SITE WITHIN THE FIRST 100 FEET OF PIPE INSTALLATION. COORDINATION OF THIS SITE VISIT SHALL BE ARRANGED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE THE MSD INSPECTOR AT LEAST 24 HOURS' NOTICE OF THE PLANNED DATE AND TIME OF THE MANUFACTURER'S SITE VISIT.

2. FOLLOWING THE SITE VISIT, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A LETTER FROM THE PIPING MANUFACTURER SUMMARIZING THEIR OBSERVATIONS. AT A MINIMUM, THE LETTER SHALL:

A) INDICATED THE DATE THE INITIAL SECTION OF PIPE WAS INSTALLED; AND
B) VERIFY THAT THE INSTALLATION OCCURED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED PROCEDURES.

E. TRENCH WIDTH SHALL BE INACCORDANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS. DISTRICT STANDARD PAYLINE WIDTHS BASED ON THE NOMINAL INSIDE PIPE DIAMETER SHALL APPLY.

COMPACTED FILL REQUIREMENTS:

A REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER WILL VERIFY THAT ALL COMPRESSIBLE MATERIAL HAS BEEN REMOVED PRIOR TO FILL PLACEMENT AND THAT ALL FILL, AND FILLED AREAS, INCLUDING TRENCH BASCKFILLS, UNDER BUILDINGS AND UNDER SANITARY AND STORM SEWER LINES CONSTRUCTED ABOVE THE ORIGINAL GROUND SURFACE, HAS BEEN COMPACTED TO 90% MODIFIED PROCTOR. FILL IS TO BE PLACED IN A MAXIMUM OF NINE-INCH (9") LIFTS. TESTS SHALL BE TAKEN AT A MAXIMUM OF FIFTY-FEET (50') WIDE INTERVALS ALONG THE ROUTE OF THE PIPE, AT A MAXIMUM INTERVAL OF (2'), VERTICALLY AND LATERALLY ON EACH SIDE OF THE PIPE, AT A DISTANCE EQUAL TO THE DEPTH OF FILL OVER THE PIPE. A COPY OF THESE RESULTS WILL BE SUBMITTED TO MSD PRIOR TO PLACEMENT OF THE SEWER PIPE.

SHOP DRAWINGS:

THE PROJECT ENGINEER SHALL PROVIDE SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN MISSOURI FOR APPROVAL TO MSD PRIOR TO CONSTRUCTION OF THESE STRUCTURES. STRUCTURES SHALL BE DESIGNED TO SUSTAIN HS-20 LOADS. PLEASE CONTACT THE DISTRICT'S CONSTRUCTION MANAGEMENT DIVISION AT (301) 335-2072 FOR QUESTIONS.

PREVAILAING WAGE NOTICE:

NOTICE TO CONTRACTOR: THIS PROJECT INCLUDES CONSTRUCTION OF GREEN INFRASTRUCTURE OR RELOCATION, ALTERATION, OR RECONSTRUCTION OF EXISTING MSD FACILITIES. IN ACCORDANCE WITH THE MSD GREEN INFRASTRUCTURE PROJRAM AND MSD RESOLUTION 3263, THE DISTRICT REQUIRES THE WAGE RATE TO BE AT LEAST EQUAL TO THE MISSOURI REVAILING WAGE RATE AT THE TIME OF CONSTRUTION START. AN AFFIDAVIT CERTIFYING THAT THE MISSOURI PREVAILING WAGE RATE AT THE TIME OF CONSTRUCTION START HAS BEEN PAID FOR ALL WORK RELATED TO GREEN INFRASTRUCTURE OR RELOCATION, ALTERATION, OR RECONSTRUCTION OF EXISTING MSD FACILITIES IS REQUIRED PRIOR TO MSD CONSTRUCTION APPROVAL OF THIS PROJECT.

GENERAL NOTES:

1. ANY ABANDONED SEWERS OR FORCE MAINS SHALL BE REMOVED OR COMPLETELY GROUT FILLED.

2. ALL FILLED AREAS, INCLUDING TRENCH BACKFILLS, UNDER BUILDINGS, PROPOSED STORM AND SANITARY SEWER LINES, AND PAVED AREAS SHALL BE COMPACTED TO A MINIMUM OF 90 PERCENT OF "MODIFIED PROCTOR", FILL IS TO BE PLACED IN A MAXIMUM OF 9-INCH LIFTS. TESTS SHALL BE TAKEN AT A MAXIMUM OF 50-FOOT INTERVALS ALONG THE ROUTE OF THE PIPE; AT A MAXIMUM OF 2-FOOT VERTICALLY; AND LATERALLY ON EACH SIDE OF THE PIPE, AT A DISTANCE EQUAL TO THE DEPTH OF FILL OVER THE PIPE. A COPY OF THESE RESULTS WILL BE SUBMITTED TO MSD PRIOR TO CONSTRUCTION APPROVAL.

3. MAINTENANCE OF SEWERS DESIGNATED AS "PUBLIC" SHALL BE THE RESPONSIBILITY OF MSD UPON DEDICATION OF SEWERS TO THE DISTRICT.

4. NOTE PIPE JOINTS WITH ADAPTERS AND COUPLINGS SHALL BE SUPPLIED AND INSTALLED WITH 316 STAINLESS STEEL NUT AND BOLT CLAMPS (T-BOLT) CONFIGURATION; AND WITH STAINLESS STEEL SHEAR BANDS, BEING A MINIMUM OF TWELVE (12) MILS (MSD STD. CONST SPECS, PT.2, SUBSECTION H 11). WORM DRIVE HOSE CLAMPS AND CONCRETE BACKFILLING (CAUSTICITY) WILL NO LONGER BE ALLOWED AT THOSE JOINTS, GRANULAR BACKFILL SHOULD BE USED. IF FLOW ABLE FILL IS REQUIRED, THE CONTRACTOR SHALL WRAP AND TAPE THE ADAPTERS AND COUPLING WITH A SIX (6) MIL POLYETHYLENE SHEET.

5. MSD PERMITS ARE REQUIRED PRIOR TO THE ABANDONMENT OR REMOVAL OF EXISTING SEWERS. TO RECEIVE MSD PERMITS THE PROJECT MUST HAVE MSD PLAN APPROVAL. NOTIFY MSD 48 HOURS PRIOR TO SEWER ABANDONMENT AND/OR REMOVAL.

6. CONTRACTOR IS TO CONTACT MSD PUMP STATION DIVISION ENGINEER 48 HOURS PRIOR TO WORK ON FORCE MAIN. CONTACT JAY KNIKER AT 314-436-8703.

7. MSD CAN TURN OFF THE FORCE MAIN DURING CONSTRUCTION, HOWEVER THERE ARE LPSS CONNECTIONS TO THE FORCE MAIN THAT THE CONTRACTOR MUST ACCOUNT FOR DURING CONSTRUCTION OF THE PROJECT.

8. GRANULAR BACKFILL IS CONSIDERED INCIDENTAL TO STORM SEWER CONSTRUCTION AND IS SHOWN FOR INFORMATION PURPOSES ONLY.

9. LIMITS OF DISTURBANCE: THE CONTRACTOR SHALL STAY WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS AND MINIMIZE DISTURBANCE WITHIN THE WORK AREA WHEREVER POSSIBLE.

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:42:00 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	167

COUNTY
ST. LOUIS

JOB NO.
J6S3417

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)

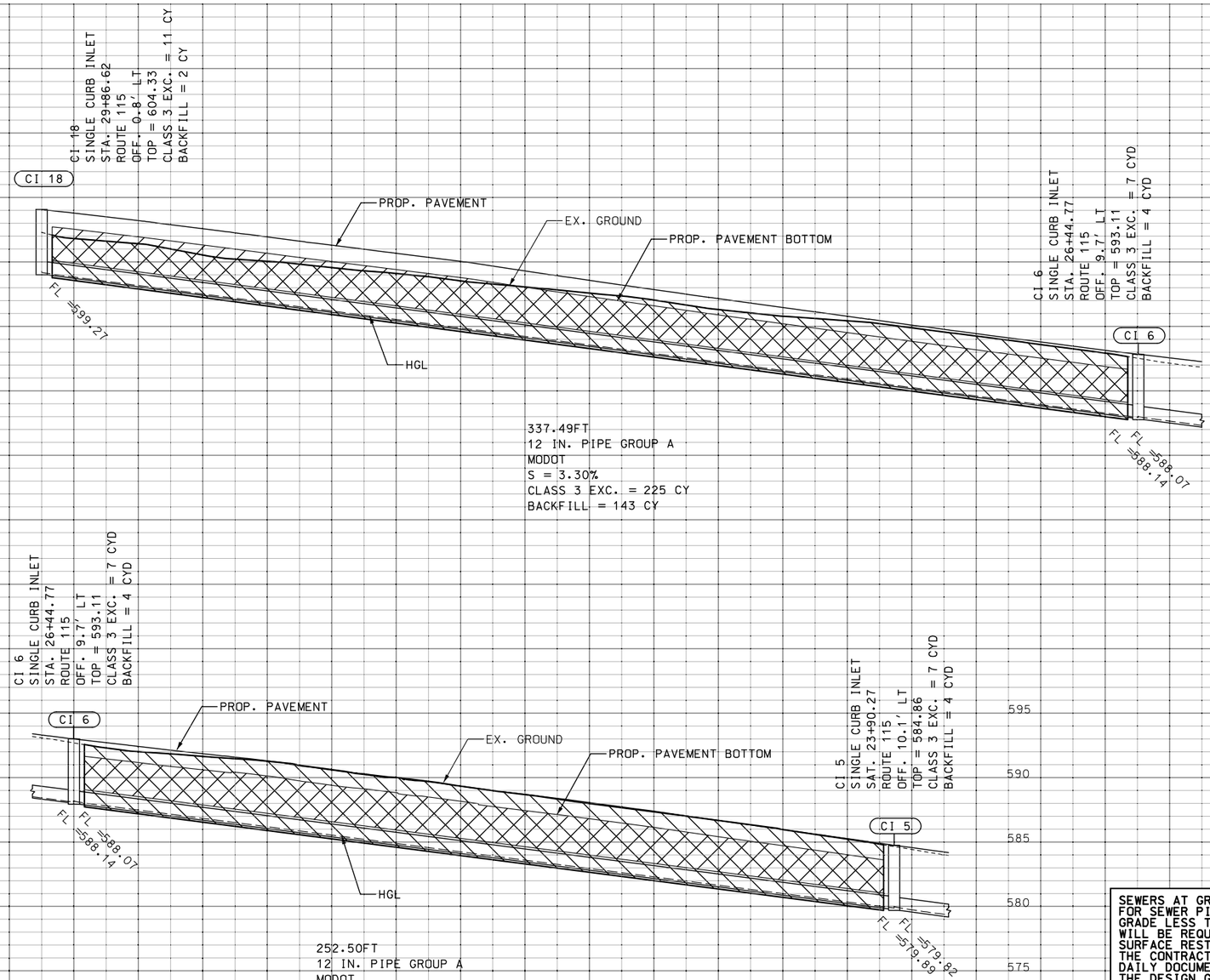
CMT
ENGINEERING CORPORATION - 000631
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
©Copyright CMT, Inc.

REV.

ROUTE 115

CULVERT SECTION SHEET
1 OF 5

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.



LEGEND:

- CLASS 3 EXCAVATION
- GRANULAR BACKFILL

5'
1'

PARTIAL REMOVAL OR CONVERSION OF A STRUCTURE:
THE PARTIAL REMOVAL, REPLACEMENT, AND CONVERSION OF THE EXISTING STRUCTURE(S) WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, AND THE TOP SECTION CAN BE CONVERTED AS PROPOSED, AND STILL MEET MSD STANDARDS THEN CONVERT AND ADJUST TO GRADE. OTHERWISE THE ENTIRE STRUCTURE WILL BE REMOVED AND REPLACED WITH A NEW STRUCTURE.

SEWERS AT GRADES OF 1% OR LESS:
FOR SEWER PIPE (STORM, SANITARY, AND COMBINED) WITH A DESIGN GRADE LESS THAN ONE PERCENT (1%), VERIFICATION OF THE PIPE GRADE WILL BE REQUIRED FOR EACH INSTALLED REACH OF SEWER, PRIOR TO ANY SURFACE RESTORATION OR INSTALLATION OF ANY SURFACE IMPROVEMENTS. THE CONTRACTOR'S FIELD SUPERVISOR WILL BE REQUIRED TO PROVIDE DAILY DOCUMENTATION VERIFYING THAT THE AS-BUILT PIPE GRADE MEETS THE DESIGN GRADE THROUGH THE SUBMITTAL OF SIGNED CUT SHEETS TO THE MSD INSPECTOR UPON REQUEST.

REMOVE REPLACE OR REHAB NOTE:
THE REMOVAL AND REPLACEMENT, OR REHABILITATION OF THE EXISTING STRUCTURE WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED.

ROUTE 115

CULVERT SECTION SHEET
2 OF 5

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
Jennifer Huber
01/25/2024 12:42:13 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
1/25/2024	
ROUTE 115	STATE MO
DISTRICT SL	SHEET NO. 168
COUNTY ST. LOUIS	
JOB NO. J6S3417	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

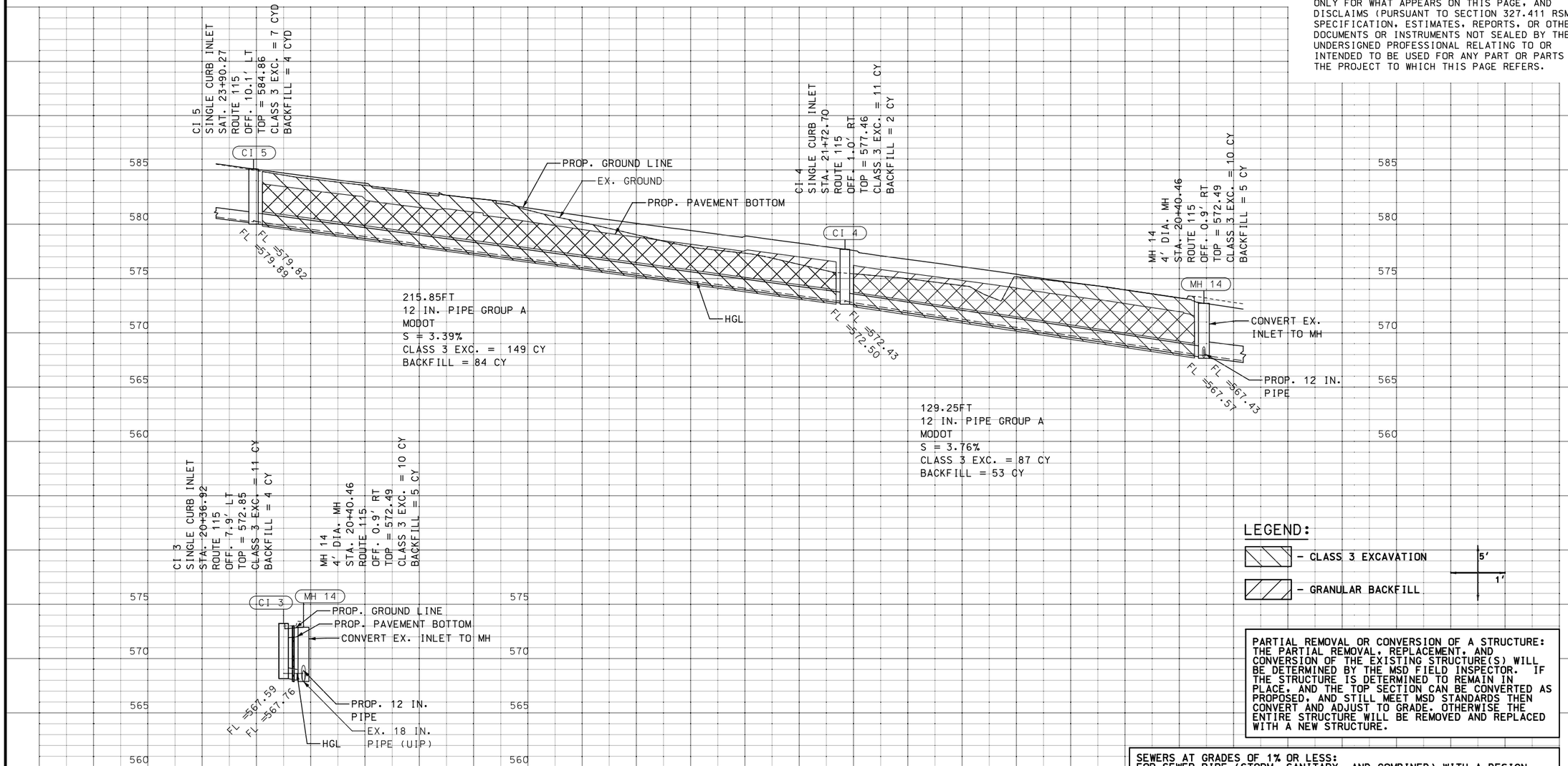
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

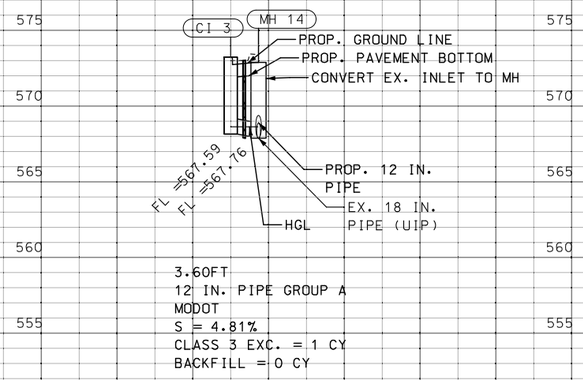
DESCRIPTION	DATE	REV.

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

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

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.





LEGEND:

- CLASS 3 EXCAVATION
- GRANULAR BACKFILL

5'
1'

PARTIAL REMOVAL OR CONVERSION OF A STRUCTURE:
THE PARTIAL REMOVAL, REPLACEMENT, AND CONVERSION OF THE EXISTING STRUCTURE(S) WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, AND THE TOP SECTION CAN BE CONVERTED AS PROPOSED, AND STILL MEET MSD STANDARDS THEN CONVERT AND ADJUST TO GRADE. OTHERWISE THE ENTIRE STRUCTURE WILL BE REMOVED AND REPLACED WITH A NEW STRUCTURE.

SEWERS AT GRADES OF 1% OR LESS:
FOR SEWER PIPE (STORM, SANITARY, AND COMBINED) WITH A DESIGN GRADE LESS THAN ONE PERCENT (1%), VERIFICATION OF THE PIPE GRADE WILL BE REQUIRED FOR EACH INSTALLED REACH OF SEWER, PRIOR TO ANY SURFACE RESTORATION OR INSTALLATION OF ANY SURFACE IMPROVEMENTS. THE CONTRACTOR'S FIELD SUPERVISOR WILL BE REQUIRED TO PROVIDE DAILY DOCUMENTATION VERIFYING THAT THE AS-BUILT PIPE GRADE MEETS THE DESIGN GRADE THROUGH THE SUBMITTAL OF SIGNED CUT SHEETS TO THE MSD INSPECTOR UPON REQUEST.

REMOVE REPLACE OR REHAB NOTE:
THE REMOVAL AND REPLACEMENT, OR REHABILITATION OF THE EXISTING STRUCTURE WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED.

ROUTE 115

CULVERT SECTION SHEET
3 OF 5

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER PE-2022000257
PROFESSIONAL ENGINEER
Jennifer Huber
01/25/2024 12:42:13 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED
1/25/2024

ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	169

COUNTY
ST. LOUIS

JOB NO.
J6S3417

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

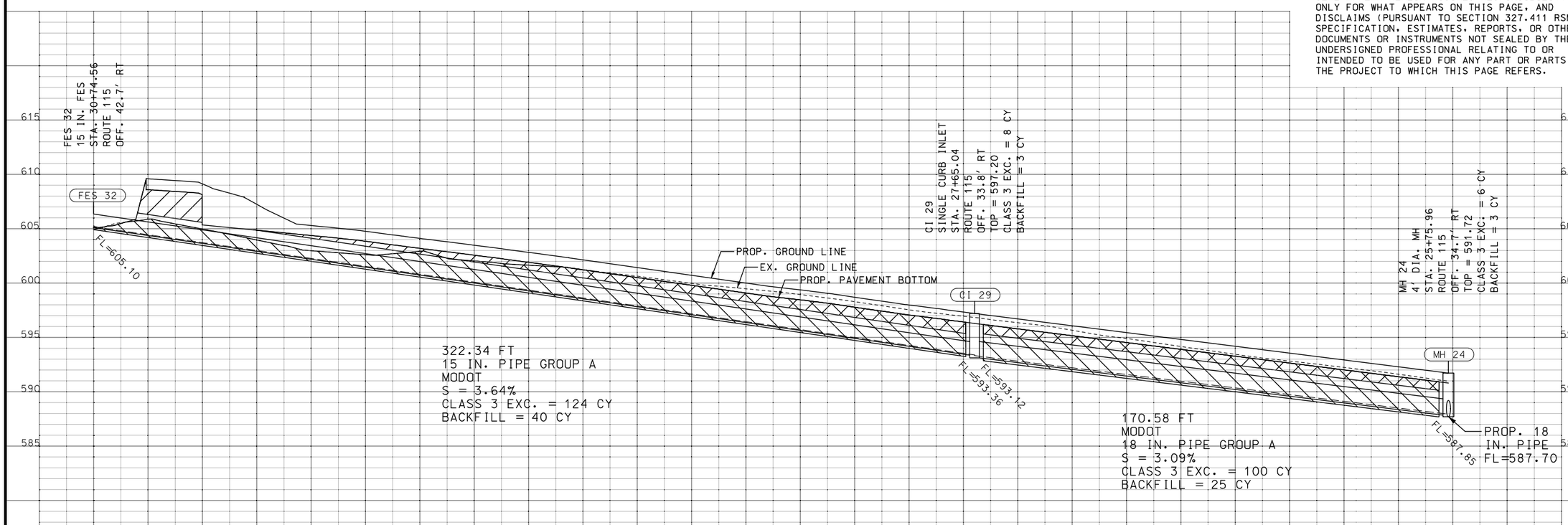
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

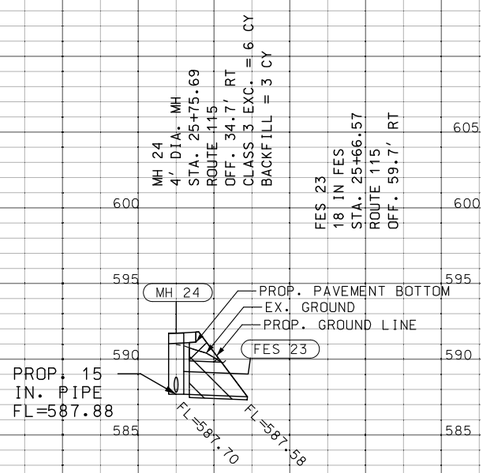
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

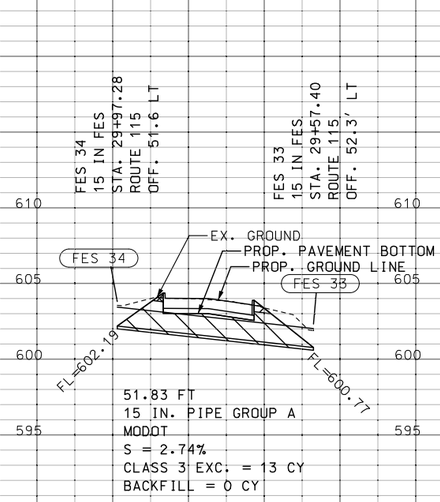
CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631
© Copyright CMT, Inc.

REV.

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.







LEGEND:

- CLASS 3 EXCAVATION
- GRANULAR BACKFILL

5'
1'

PARTIAL REMOVAL OR CONVERSION OF A STRUCTURE:
THE PARTIAL REMOVAL, REPLACEMENT, AND CONVERSION OF THE EXISTING STRUCTURE(S) WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, AND THE TOP SECTION CAN BE CONVERTED AS PROPOSED, AND STILL MEET MSD STANDARDS THEN CONVERT AND ADJUST TO GRADE. OTHERWISE THE ENTIRE STRUCTURE WILL BE REMOVED AND REPLACED WITH A NEW STRUCTURE.

SEWERS AT GRADES OF 1% OR LESS:
FOR SEWER PIPE (STORM, SANITARY, AND COMBINED) WITH A DESIGN GRADE LESS THAN ONE PERCENT (1%), VERIFICATION OF THE PIPE GRADE WILL BE REQUIRED FOR EACH INSTALLED REACH OF SEWER, PRIOR TO ANY SURFACE RESTORATION OR INSTALLATION OF ANY SURFACE IMPROVEMENTS. THE CONTRACTOR'S FIELD SUPERVISOR WILL BE REQUIRED TO PROVIDE DAILY DOCUMENTATION VERIFYING THAT THE AS-BUILT PIPE GRADE MEETS THE DESIGN GRADE THROUGH THE SUBMITTAL OF SIGNED CUT SHEETS TO THE MSD INSPECTOR UPON REQUEST.

REMOVE REPLACE OR REHAB NOTE:
THE REMOVAL AND REPLACEMENT, OR REHABILITATION OF THE EXISTING STRUCTURE WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED.

ROUTE 115

CULVERT SECTION SHEET
4 OF 5

JENNIFER L. HUBER
NUMBER PE-2022000257
STATE OF MISSOURI
PROFESSIONAL ENGINEER
Jennifer Huber
01/25/2024 12:42:13 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
1/25/2024	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	170

COUNTY: ST. LOUIS
JOB NO.: J6S3417
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

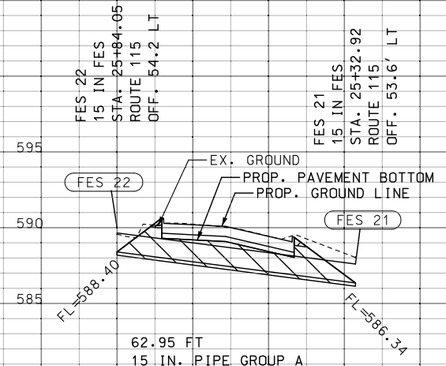
DESCRIPTION | DATE | REV.

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

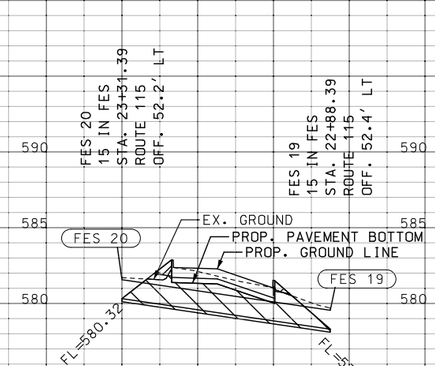
© Copyright CMT, Inc.

CMT
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631

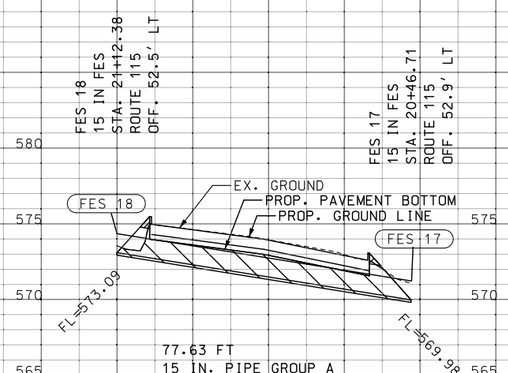
DISCLAIMER
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING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



62.95 FT
15 IN. PIPE GROUP A
MODOT
S = 2.22%
CLASS 3 EXC. = 17 CY
BACKFILL = 0 CY



55.01 FT
15 IN. PIPE GROUP A
MODOT
S = 3.67%
CLASS 3 EXC. = 15 CY
BACKFILL = 1 CY



77.63 FT
15 IN. PIPE GROUP A
MODOT
S = 4.01%
CLASS 3 EXC. = 19 CY
BACKFILL = 0 CY

LEGEND:

- CLASS 3 EXCAVATION
- GRANULAR BACKFILL

5'
1'

PARTIAL REMOVAL OR CONVERSION OF A STRUCTURE:
THE PARTIAL REMOVAL, REPLACEMENT, AND CONVERSION OF THE EXISTING STRUCTURE(S) WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, AND THE TOP SECTION CAN BE CONVERTED AS PROPOSED, AND STILL MEET MSD STANDARDS THEN CONVERT AND ADJUST TO GRADE. OTHERWISE THE ENTIRE STRUCTURE WILL BE REMOVED AND REPLACED WITH A NEW STRUCTURE.

SEWERS AT GRADES OF 1% OR LESS:
FOR SEWER PIPE (STORM, SANITARY, AND COMBINED) WITH A DESIGN GRADE LESS THAN ONE PERCENT (1%), VERIFICATION OF THE PIPE GRADE WILL BE REQUIRED FOR EACH INSTALLED REACH OF SEWER, PRIOR TO ANY SURFACE RESTORATION OR INSTALLATION OF ANY SURFACE IMPROVEMENTS. THE CONTRACTOR'S FIELD SUPERVISOR WILL BE REQUIRED TO PROVIDE DAILY DOCUMENTATION VERIFYING THAT THE AS-BUILT PIPE GRADE MEETS THE DESIGN GRADE THROUGH THE SUBMITTAL OF SIGNED CUT SHEETS TO THE MSD INSPECTOR UPON REQUEST.

REMOVE REPLACE OR REHAB NOTE:
THE REMOVAL AND REPLACEMENT, OR REHABILITATION OF THE EXISTING STRUCTURE WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED.

ROUTE 115

CULVERT SECTION SHEET
5 OF 5

STATE OF MISSOURI
JENNIFER L. HUBER
NUMBER
PE-2022000257
PROFESSIONAL ENGINEER

01/25/2024 12:42:14 PM
Jennifer Huber - Civil
MO PE-2022000257

DATE PREPARED	
1/25/2024	
ROUTE	STATE
115	MO
DISTRICT	SHEET NO.
SL	171
COUNTY	
ST. LOUIS	
JOB NO.	
J6S3417	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

CMT
© Copyright CMT, Inc.
CRAWFORD, MURPHY & TILLY, INC.
ONE MEMORIAL DRIVE, SUITE 500
ST. LOUIS, MO 63102 (314) 436-5500
ENGINEERING CORPORATION - 000631