DESIGN DESIGNATION

A.A.D.T. - 2025 = 22,700
A.A.D.T. - 2045 = 25,100
T = 9%
V = 45 M.P.H.
FUNCTIONAL CLASSIFICATION - PRINCIPAL ARTERIAL

NORMAL RIGHT OF WAY IS TO BE ACQUIRED FOR THIS PROJECT

CONVENTIONAL SYMBOLS
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	FO
OVERHEAD CABLE TV	-OTV-	OTV
UNDERGROUND CABLE TV	-UTV-	UTV
OVERHEAD TELEPHONE	-OT-	OT
UNDERGROUND TELEPHONE	-UT-	UT
OVERHEAD POWER	-OE-	OE
UNDERGROUND POWER	-UE-	UE
SANITARY SEWER	-S-	S
STORM SEWER	-SS-	SS
GAS	-G-	G
WATER	-W-	W
MANHOLE	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
ELECTRIC METER	EM	
DROP INLET	DI	
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK		
WOVEN WIRE		
GATE POST		
BENCHMARK	BM	
PERMANENT DRAINAGE EASEMENT	P.D.E.	
PERMANENT HIGHWAY EASEMENT	P.H.E.	
TEMPORARY CONSTRUCTION EASEMENT	T.C.E.	
DO NOT DISTURB	(DND)	
REMOVE	(R)	
RELOCATE	(RELOC.)	
REMOVE AND REPLACE	(R & R)	
REMOVE AND RELOCATE	(R & RELOC.)	
ADJUST TO GRADE	(ATG)	
USE IN PLACE	(UIP)	
TO BE ABANDONED	(TBA)	
BY OTHERS	(BO)	

CURB RAMPS

COMPOUND PERPENDICULAR CURB RAMP	COMP PERP RAMP
TYPE 1 PARALLEL CURB RAMP	T1 PAR RAMP
TYPE 2 PARALLEL CURB RAMP	T2 PAR RAMP
SMALL RADIUS PERPENDICULAR CURB RAMP	SR PERP RAMP
LARGE RADIUS PERPENDICULAR CURB RAMP	LR PERP RAMP
DUAL PERPENDICULAR CURB RAMP	DUAL PERP RAMP
BLENDED TRANSITION CURB RAMP	BLD TRANS RAMP
TRUNCATED DOMES	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

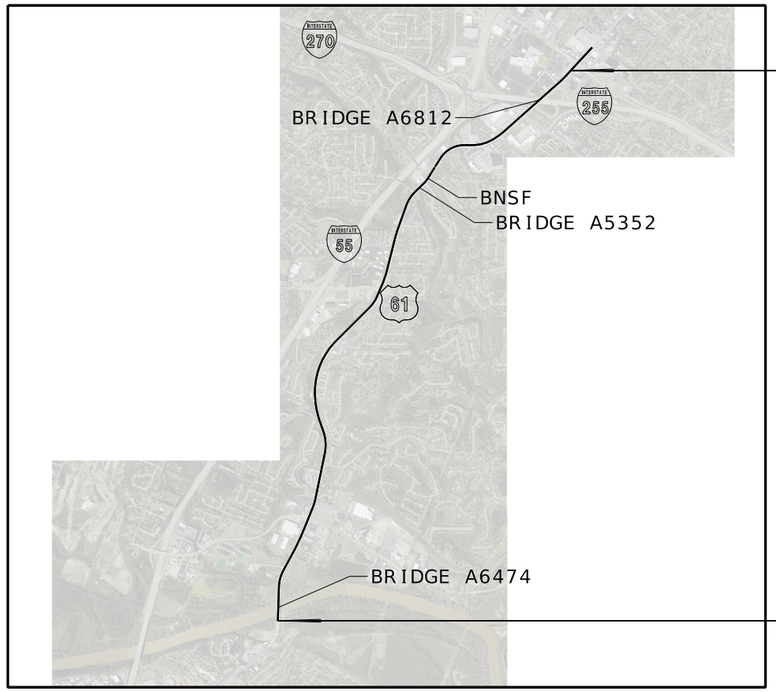
US ROUTE 61/67 (LEMAY FERRY RD) ADA IMPROVEMENTS AND PAVEMENT REHAB A5352 AND A6474 REHABILITATION MoDOT JOB NO. J6S3578 ST. LOUIS COUNTY

TOWNSHIP 43N
RANGE 6E, SECTIONS 03-04, 09



KEY MAP
LOCATION OF ST. LOUIS COUNTY

NOT TO SCALE



ROUTE 61/67 PROJECT LIMITS
ASPHALT PAVEMENT REHABILITATION, SIDEWALK AND ADA IMPROVEMENTS, SIGNING, STRIPING, SIGNALS, AND GUARDRAIL. REHABILITATE A5352 & A6474

EXISTING WATER AND SANITARY CONNECTIONS WILL NOT BE MODIFIED WITH THIS WORK.

THIS PROJECT FALLS UNDER MODOTS TS4 PERMIT EFFECTIVE THROUGH OCTOBER 31, 2026. ALL STORMWATER STRUCTURES ARE OWNED, MAINTAINED AND OPERATED BY MODOT.UNLESS OTHERWISE STATED ON THE PLAN SHEETS. STORMWATER QUALITY IMPACTS HAVE BEEN REVIEWED BY THE MODOT ENVIRONMENTAL GROUP FOR COMPLIANCE WITH THE PERMIT.

THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

INDEX OF SHEETS

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REFERENCE POINTS (RP)	102
COORDINATE POINTS (CP)	103-112
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LENGTH OF PROJECT

BEGINNING OF PROJECT	STA.	473+55.29
END OF PROJECT	STA.	698+27.00
APPARENT LENGTH		22,471.71 FEET
EQUATIONS AND EXCEPTIONS:		
TOTAL CORRECTIONS		0 FEET
NET LENGTH OF PROJECT		22,471.71 FEET
STATE LENGTH		4.25 MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES		1.75 ACRES

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	1

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

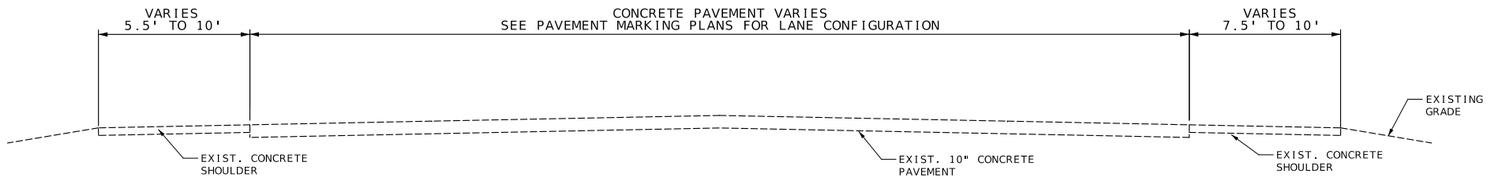
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

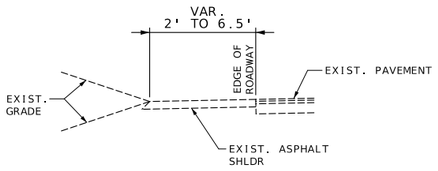
APPLICATION RATES (FOR INFORMATION ONLY):
ASPHALTIC CONCRETE MIXTURE (TYPE SP125 CLP MIX) 1.927 TONS/CUYD
TACK COAT (COLDMILLED SURFACE) 0.10 GAL/SQYD

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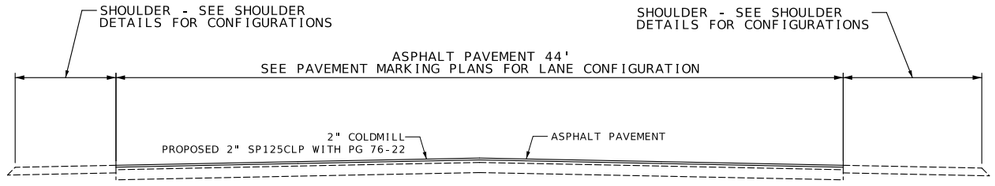
1 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

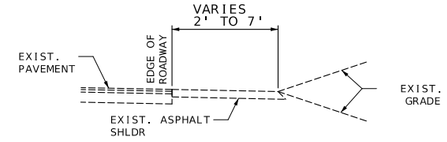
STA. 483+44 TO STA. 499+93



SHOULDER DETAIL (LT)

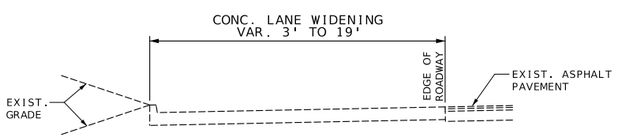
STA. 499+93 TO STA. 507+46
STA. 512+77 TO STA. 513+40
STA. 520+16 TO STA. 531+00





SHOULDER DETAIL (RT)

STA. 499+93 TO STA. 500+55
STA. 505+85 TO STA. 514+99
STA. 517+74 TO STA. 531+00

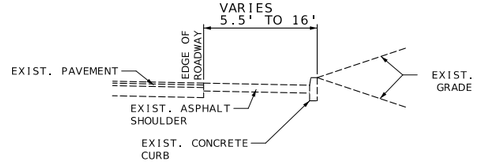


SHOULDER DETAIL (LT)

STA. 510+85 TO STA. 512+77

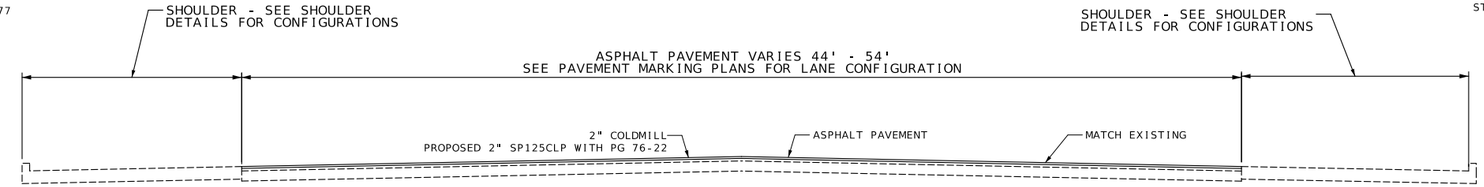
2 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

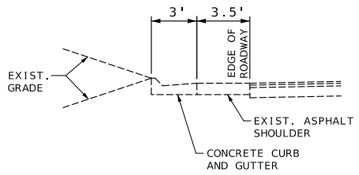
STA. 500+00 TO STA. 505+21
STA. 521+48 TO STA. 523+99



SHOULDER DETAIL (RT)

STA. 500+55 TO STA. 505+85



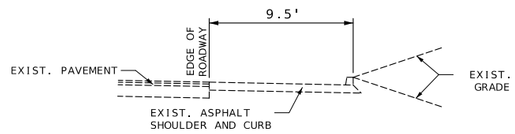


SHOULDER DETAIL (LT)

STA. 513+40 TO STA. 520+16

3 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 505+21 TO STA. 521+48
STA. 523+99 TO STA. 531+00



SHOULDER DETAIL (RT)

STA. 514+99 TO STA. 517+74

SHEET 1 OF 16

TYPICAL SECTIONS

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

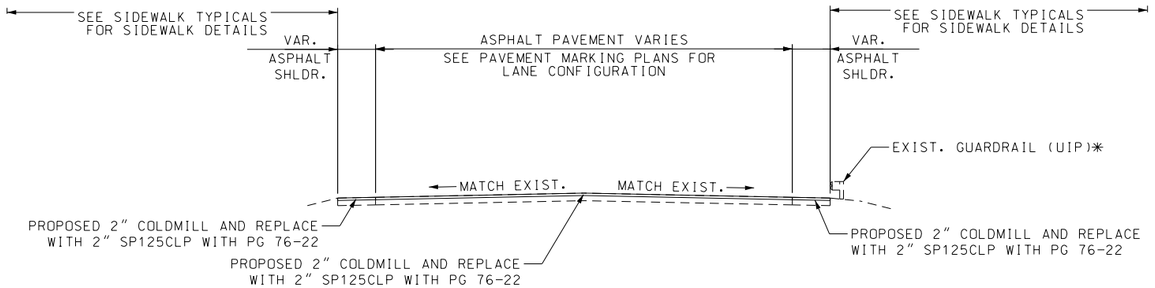
FINAL PLANS

REV.

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

APPLICATION RATES (FOR INFORMATION ONLY):

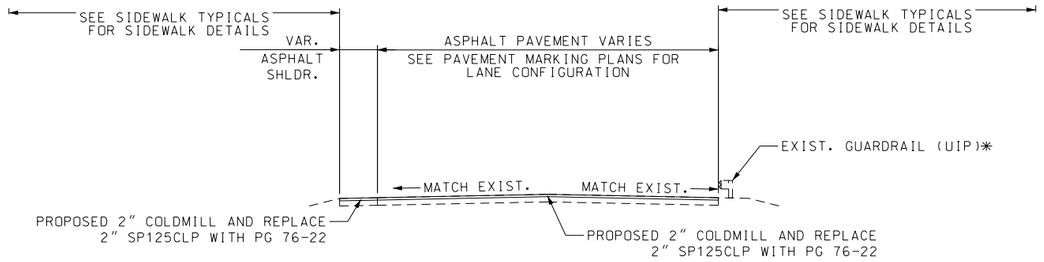
ASPHALTIC CONCRETE MIXTURE (TYPE SP125CLP MIX)	1.927 TONS/CUYD
TACK COAT (COLDMILLED SURFACE)	0.10 GAL/SQYD



* STA. 531+00.00 TO STA. 541+52.23
STA. 542+53.53 TO STA. 544+92

(4) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

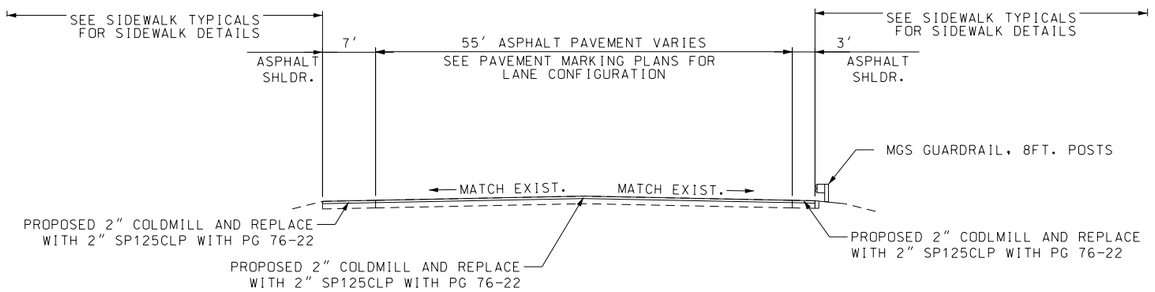
STA. 531+00 TO STA. 544+92
STA. 553+00 TO STA. 564+44



* STA. STA. 544+92 TO STA. 548+24.21

(5) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 544+92 TO STA. 553+00
STA. 561+19.68 TO STA. 565+17.10



(6) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 544+92.61 TO STA. 547+00.00

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025
ROUTE: 61/67
STATE: MO
DISTRICT: SL
SHEET NO.: 2
COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

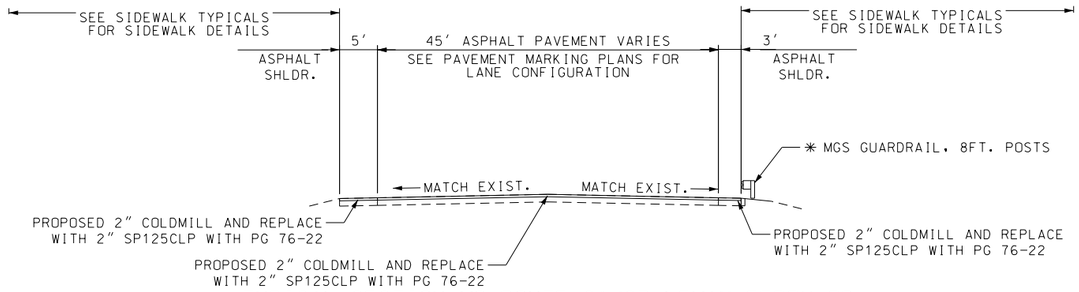
SHEET 2 OF 16

TYPICAL SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

APPLICATION RATES (FOR INFORMATION ONLY):

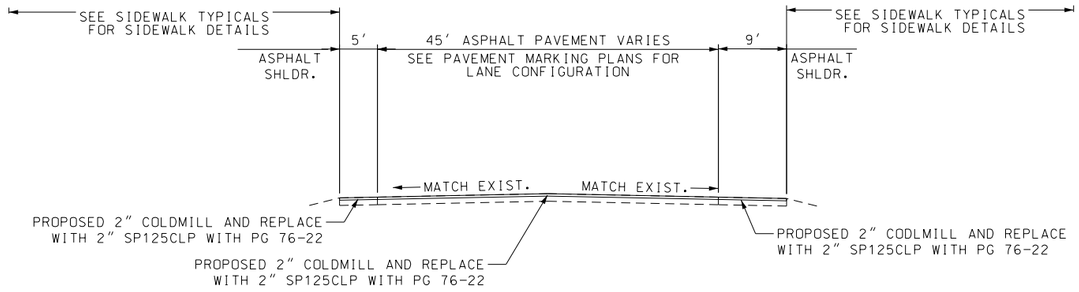
ASPHALTIC CONCRETE MIXTURE (TYPE SP125CLP MIX)	1.927 TONS/CUYD
TACK COAT (COLDMILLED SURFACE)	0.10 GAL/SQYD



* STA. 547+00.00 TO STA. 547+24.21

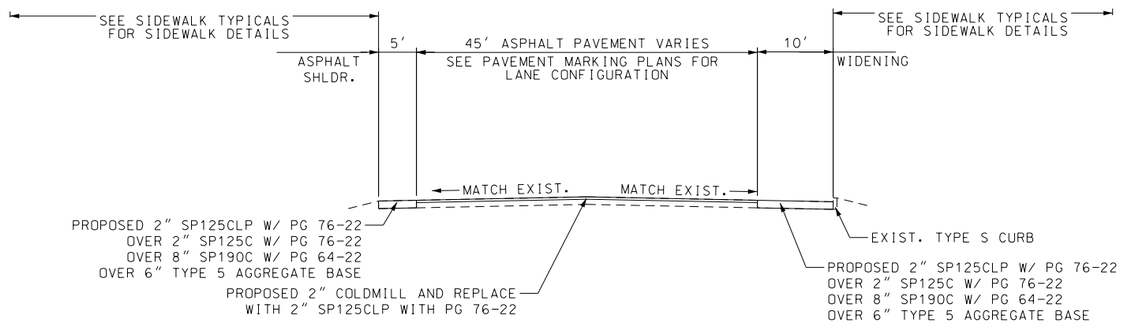
7 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 547+00.00 TO STA. 550+82.50



8 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 550+82.50 TO STA. 554+94.03



9 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 565+17.00 TO STA. 565+91.00

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STATE OF MISSOURI
BRIAN D. KIERATH JR. NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025
ROUTE: 61/67 | STATE: MO
DISTRICT: SL | SHEET NO.: 2
COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

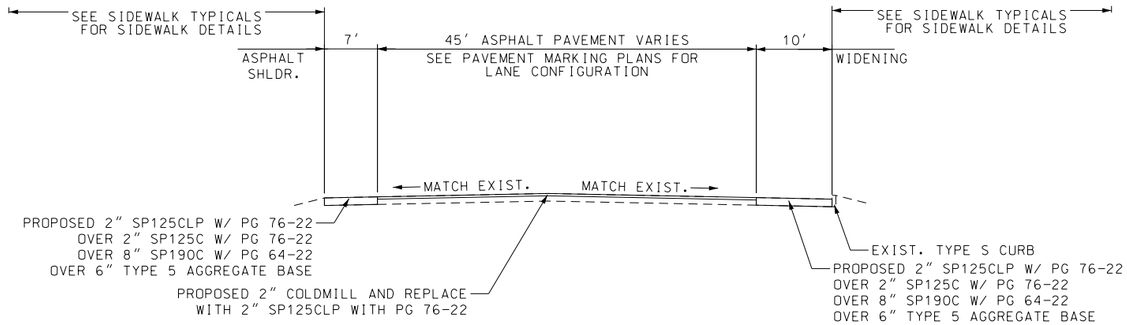
SHEET 3 OF 16

TYPICAL SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

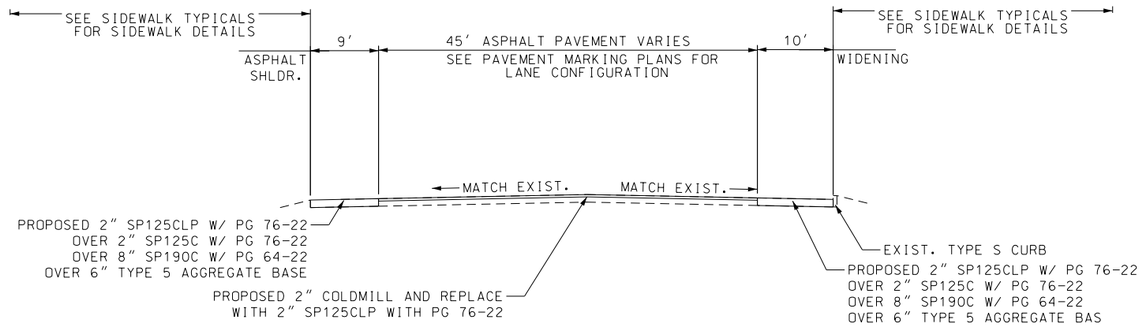
APPLICATION RATES (FOR INFORMATION ONLY):

ASPHALTIC CONCRETE MIXTURE (TYPE SP125CLP MIX)	1.927 TONS/CUYD
TACK COAT (COLDMILLED SURFACE)	0.10 GAL/SQYD



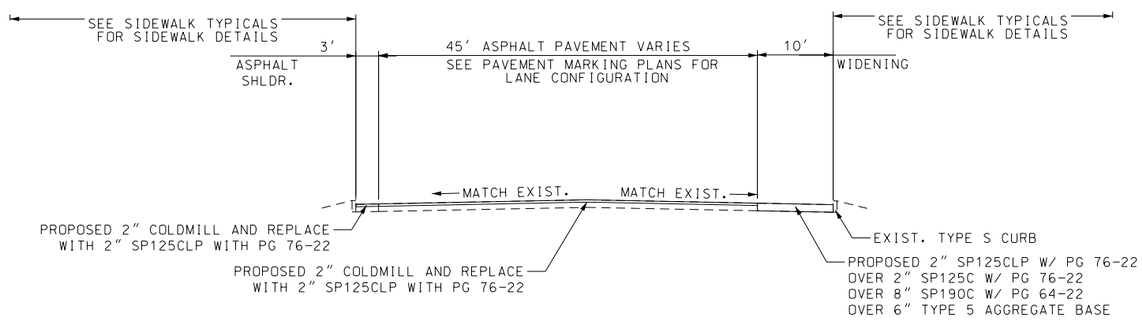
10 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 565+91.00 TO STA. 568+70.00



11 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 568+70.00 TO STA. 571+14.00



12 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 571+14 TO STA. 574+56.00

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

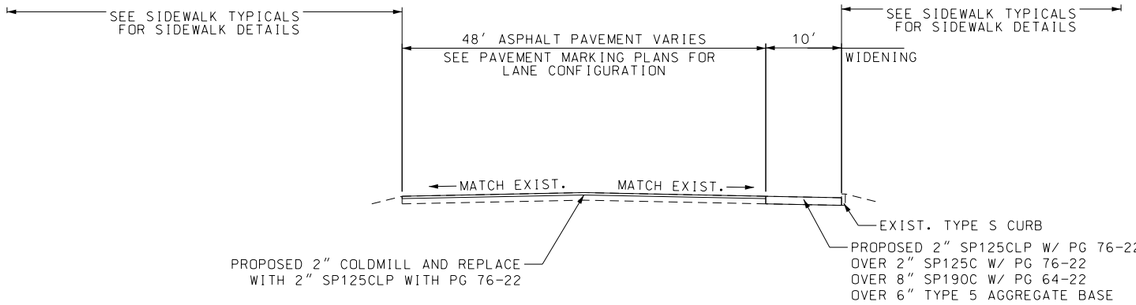
SHEET 4 OF 16

TYPICAL SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

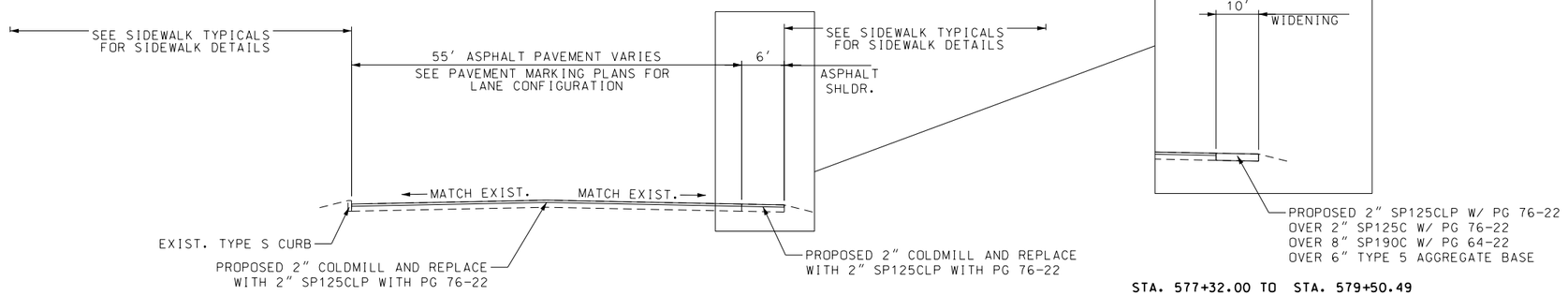
APPLICATION RATES (FOR INFORMATION ONLY):

ASPHALTIC CONCRETE MIXTURE (TYPE SP125CLP MIX)	1.927 TONS/CUYD
TACK COAT (COLDMILLED SURFACE)	0.10 GAL/SQYD



(13) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

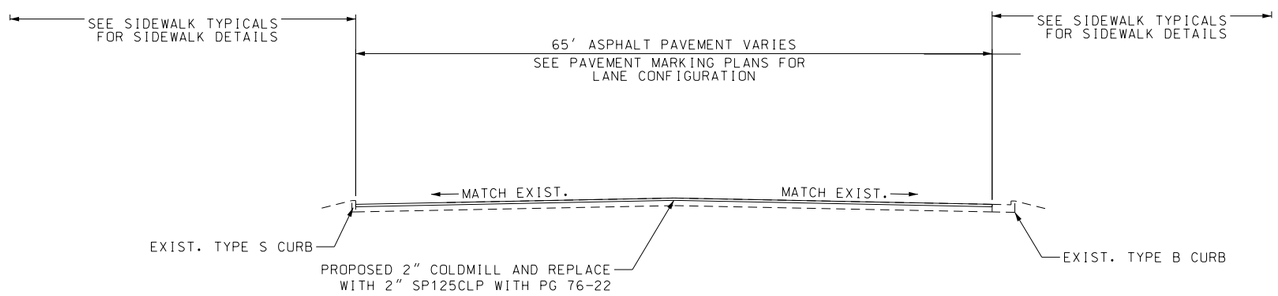
STA. 574+56.00 TO STA. 577+32.00



STA. 577+32.00 TO STA. 579+50.49

(14) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 577+32.00 TO STA. 585+85.00



(15) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 585+85.00 TO STA. 596+48

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025
ROUTE: 61/67
STATE: MO
DISTRICT: SL
SHEET NO.: 2
COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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REV.	DESCRIPTION	DATE

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314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

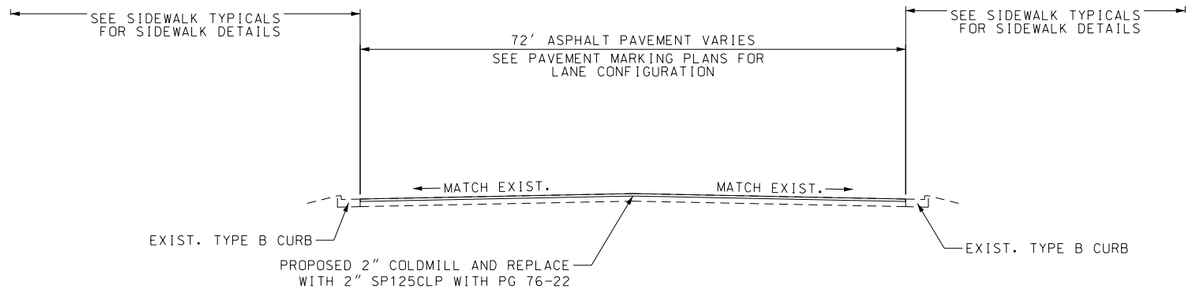
SHEET 5 OF 16

TYPICAL SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

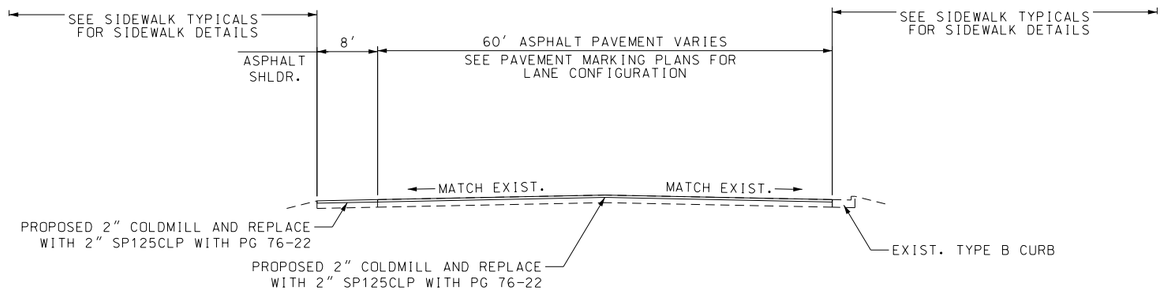
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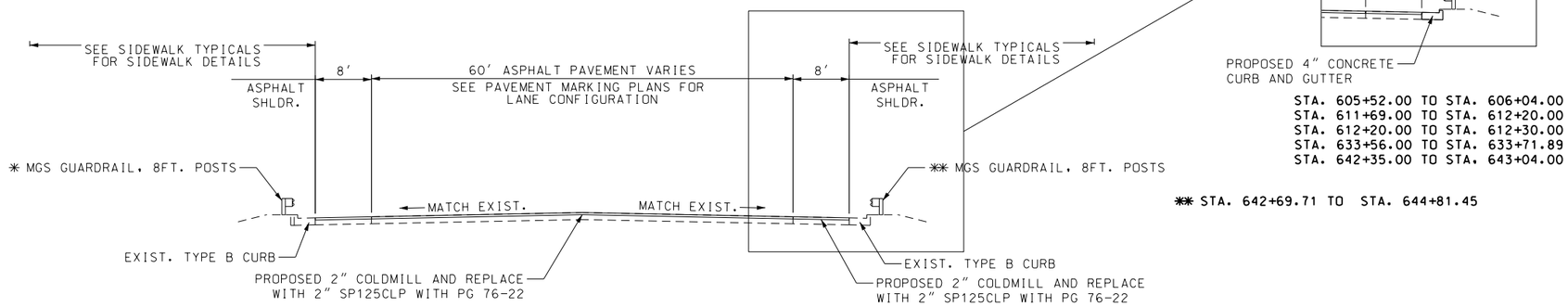
(16) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

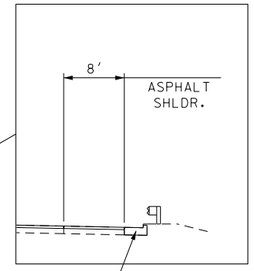
STA. 596+48.76 TO STA. 599+58.78
STA. 661+03.54 TO STA. 664+69.31



(17) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 599+58.78 TO STA. 601+76.48





STA. 605+52.00 TO STA. 606+04.00
STA. 611+69.00 TO STA. 612+20.00
STA. 612+20.00 TO STA. 612+30.00
STA. 633+56.00 TO STA. 633+71.89
STA. 642+35.00 TO STA. 643+04.00

*** STA. 601+76.46 TO STA. 606+39.71**
*** STA. 607+06.19 TO STA. 612+22.06**
*** STA. 621+28.78 TO STA. 628+28.30**
*** STA. 643+67.97 TO STA. 644+68.13**
*** STA. 646+89.21 TO STA. 646+99.69**
*** STA. 647+11.67 TO STA. 649+29.10**

**** STA. 642+69.71 TO STA. 644+81.45**

(18) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 601+76.46 TO STA. 628+28.30
STA. 631+72.78 TO STA. 633+71.89
STA. 641+44.23 TO STA. 650+53.90

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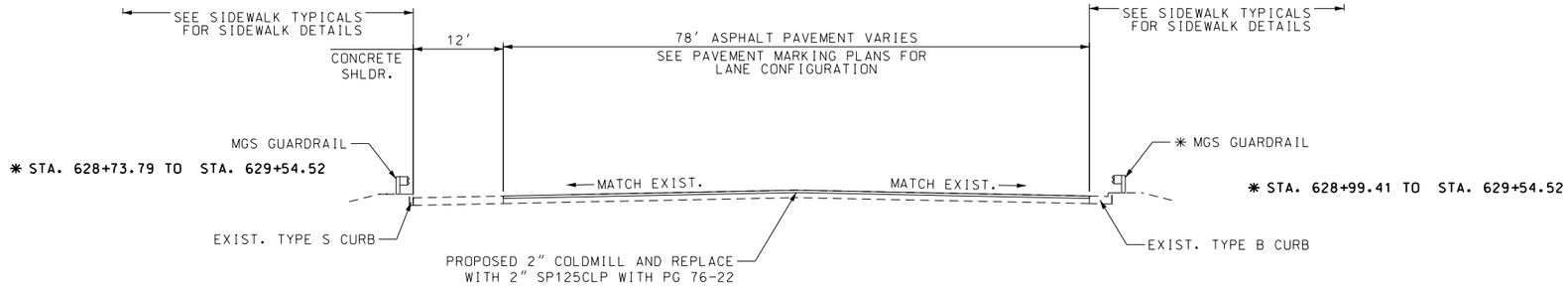
SHEET 6 OF 16

TYPICAL SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

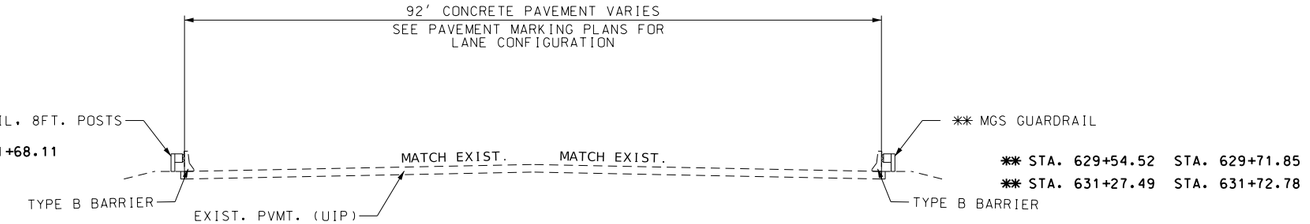
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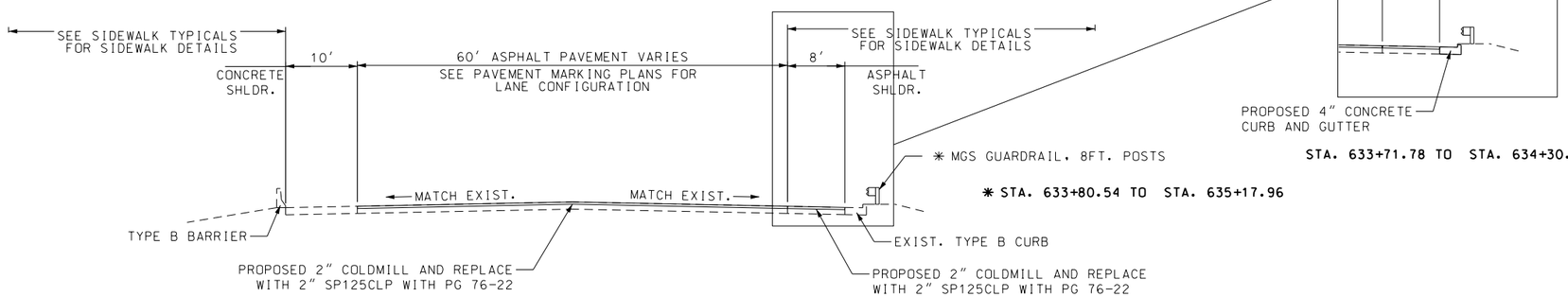
(19) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 628+28.30 TO STA. 629+54.52



(20) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 629+54.52 STA. 631+72.78



(21) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 633+71.78 TO STA. 641+44.23

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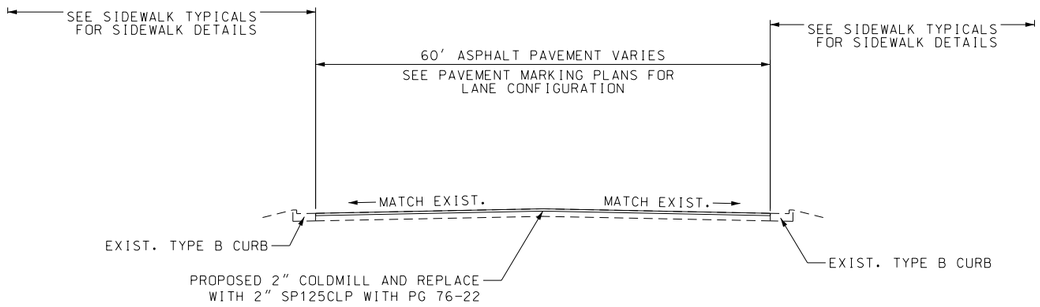
SHEET 7 OF 16

TYPICAL SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

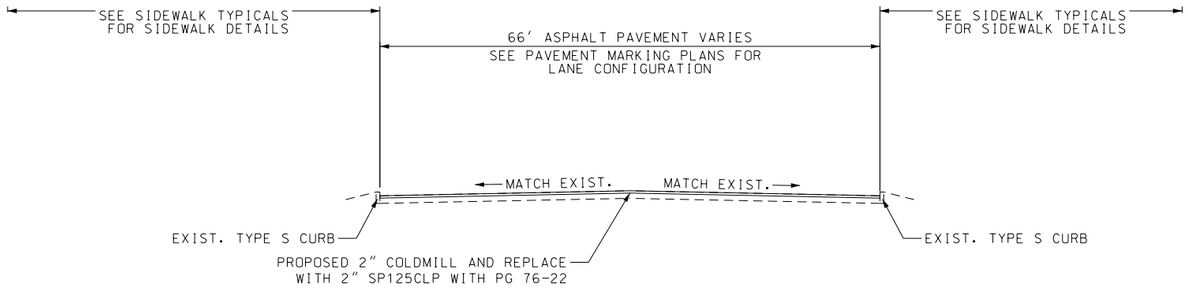
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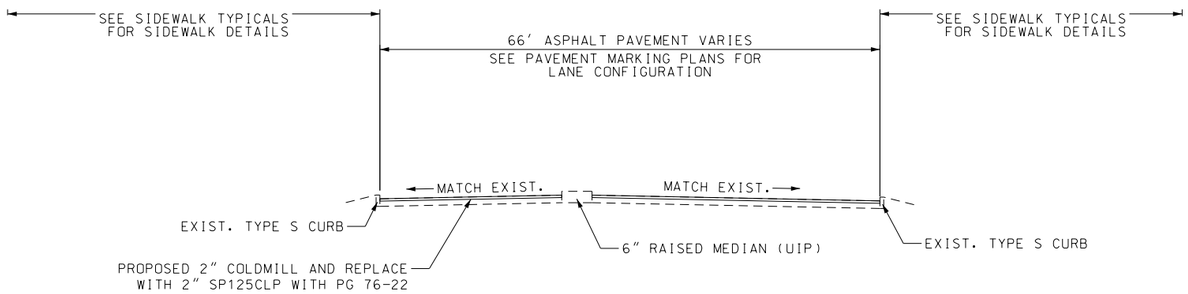
(22) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 650+53.90 TO STA. 661+03.24
STA. 703+39.77 TO STA. 706+49.28



(23) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 664+69.31 TO STA. 671+76.72



(24) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 671+76.72 TO STA. 674+49.28

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BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

REV.

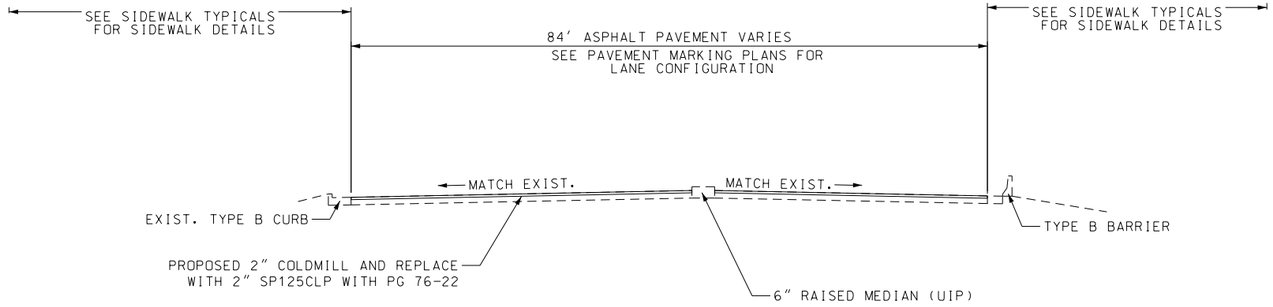
SHEET 8 OF 16

TYPICAL SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

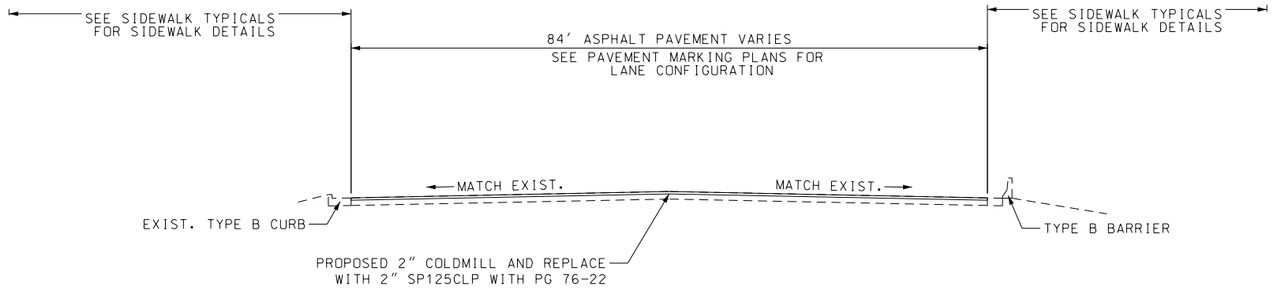
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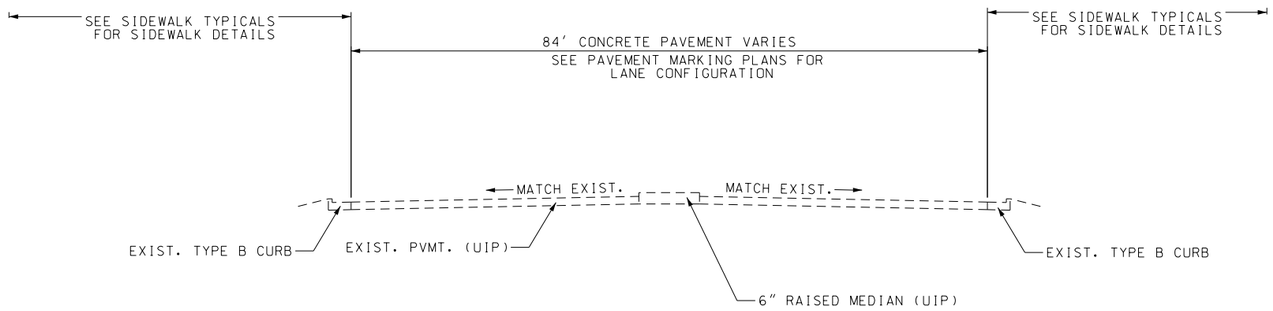
25 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 674+49.28 TO STA. 677+05.42



26 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 677+05.42 TO STA. 679+20.57



27 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 679+20.57 TO STA. 679+53.23

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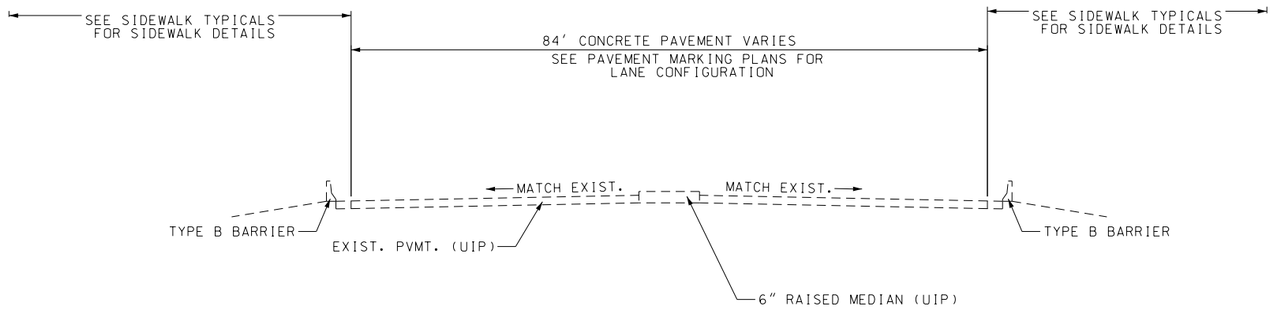
SHEET 9 OF 16

TYPICAL SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

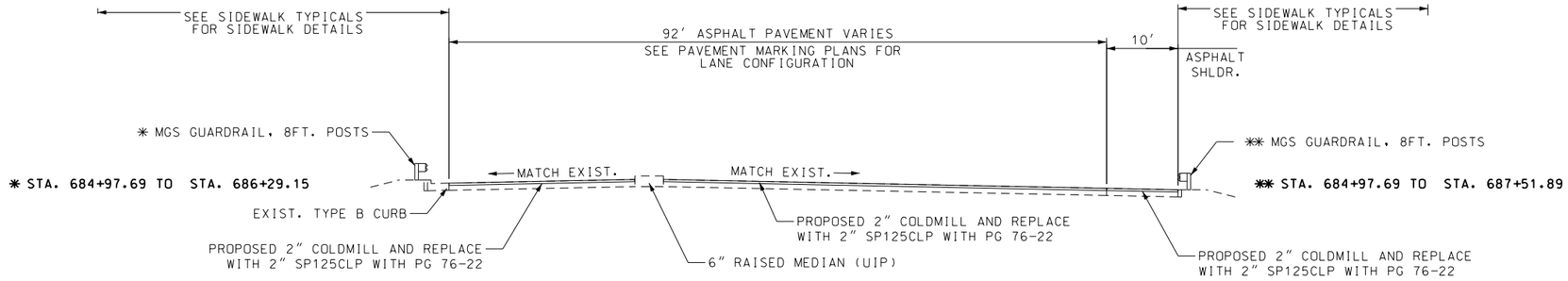
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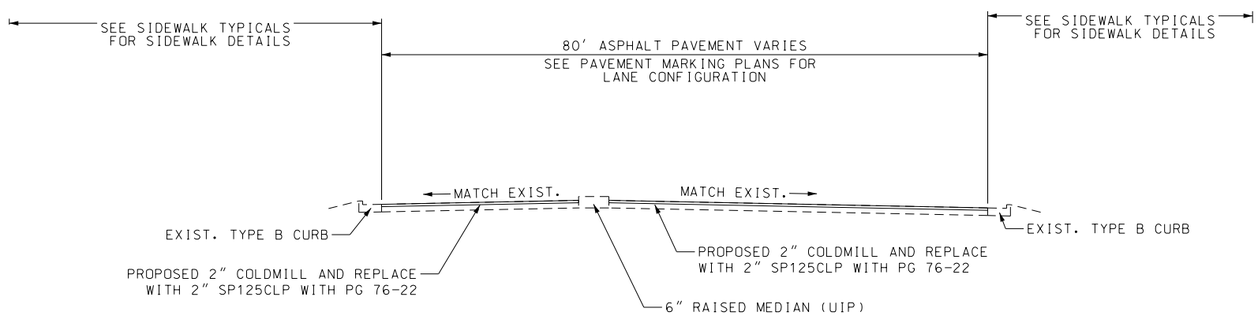
28 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 679+53.23 TO STA. 684+97.69



29 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 684+97.69 TO STA. 688+80.38



30 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 688+80.38 TO STA. 690+37.57

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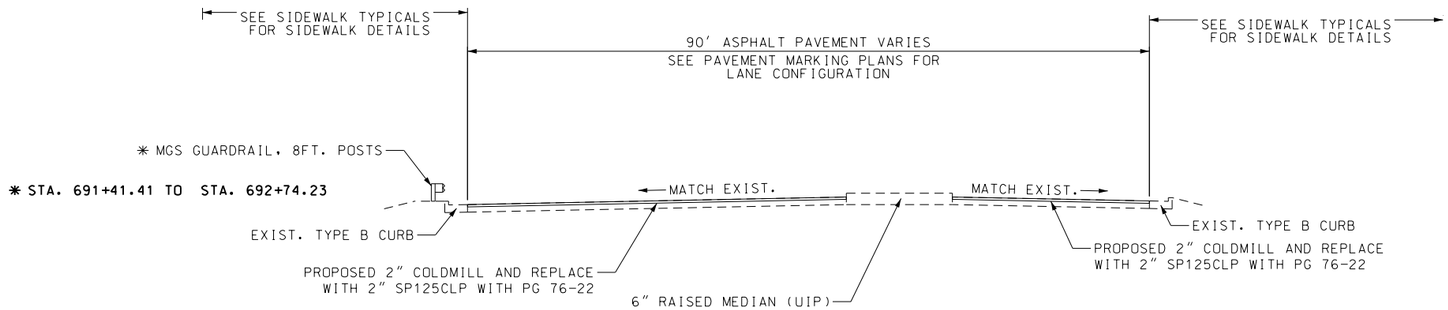
SHEET 10 OF 16

TYPICAL SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

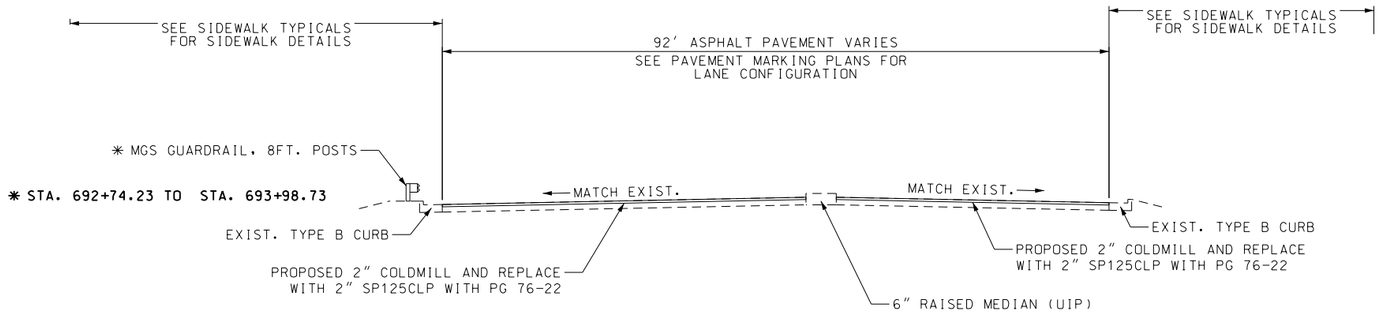
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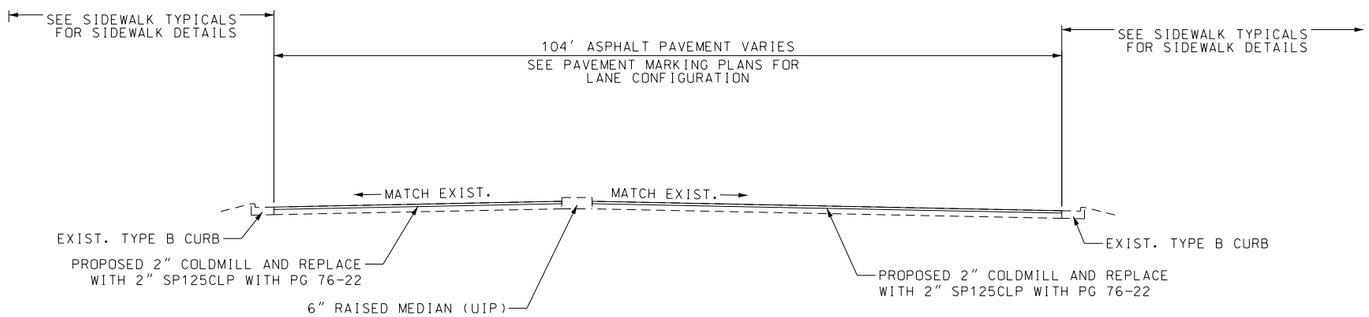
31 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 690+37.57 TO STA. 692+74.23



32 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 692+74.23 TO STA. 694+35.10



33 TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 694+35.10 TO STA. 699+40.48

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PE-2023008624

SHEET 11 OF 16

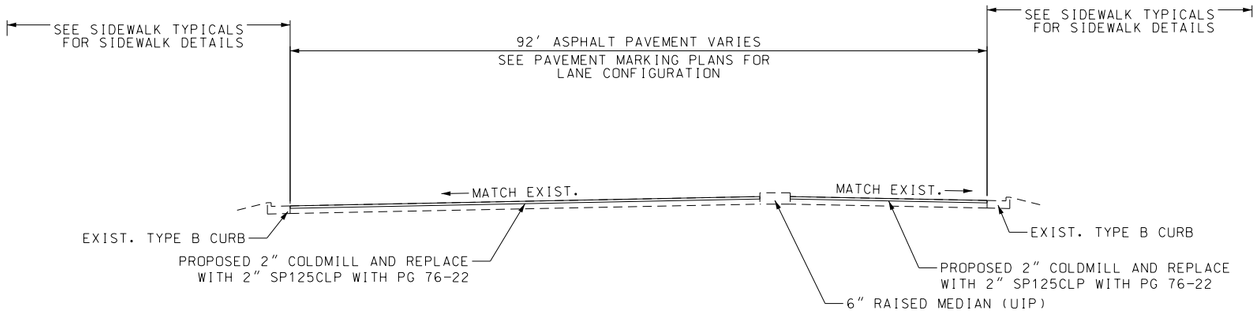
TYPICAL SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

REV.

APPLICATION RATES (FOR INFORMATION ONLY):

ASPHALTIC CONCRETE MIXTURE (TYPE SP125CLP MIX)	1.927 TONS/CUYD
TACK COAT (COLDMILLED SURFACE)	0.10 GAL/SQYD



(34) TYPICAL SECTION MO ROUTE 61/67 LEMAY FERRY RD

STA. 699+40.48 TO STA. 703+39.77

(1) THE MAINLINE TREATMENT SHOULD BE EXTENDED ONTO SHOULDERS AT LEAST 18 IN. FOR GOOD LONGITUDINAL JOINT AND RUMBLE STRIP PERFORMANCE. ANY REMAINING SHOULDER WIDTH THAT IS 3 FEET OR GRETAER SHOULD UTILIZE A LESSER TREATMENT WITH A SEPERATE SHOULDER PAVING OPERATION AND PAY ITEM. IF THE REMAINING SHOULDER WIDTH IS LESS THAN 3 FEET, THEN THE MAINLINE TREATMENT SHOULD ALSO BE APPLIED TO THE SHOULDER

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 2
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

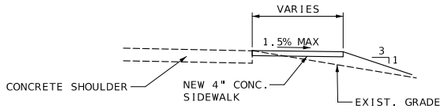
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 12 OF 16

TYPICAL SECTION

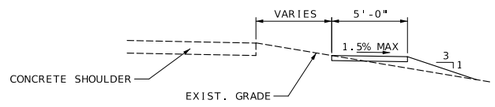
US ROUTE 61/67
LEMAY FERRY ROAD



TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD

5'-0" STA. 485+08 TO STA. 488+50 (LT.)
6'-0" STA. 516+91 TO STA. 517+63 (LT.)

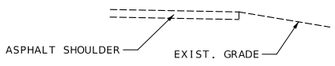
5'-0" STA. 484+53 TO STA. 488+54 (RT.)
6'-0" STA. 514+82 TO STA. 523+75 (RT.)



TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD

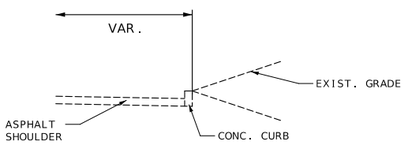
STA. 488+50 TO STA. 509+34 (LT.)
STA. 512+45 TO STA. 516+91 (LT.)
STA. 517+63 TO STA. 518+45 (LT.)

STA. 488+54 TO STA. 506+64 (RT.)



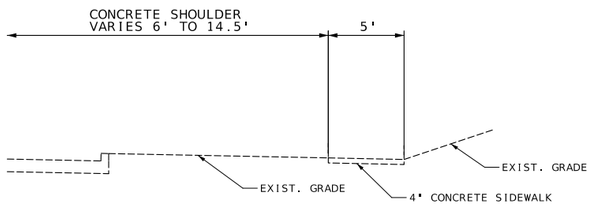
TYPICAL SHOULDER SECTION
MO ROUTE 61/67 LEMAY FERRY RD (RT)

STA. 499+93 TO STA. 500+53
STA. 518+28 TO STA. 530+00



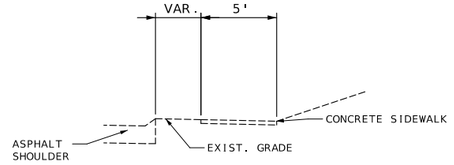
TYPICAL SHOULDER SECTION
MO ROUTE 61/67 LEMAY FERRY RD (RT)

STA. 500+53 TO STA. 506+54



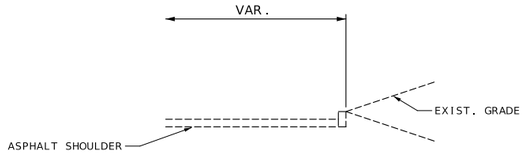
TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (RT)

STA. 506+54 TO STA. 513+52



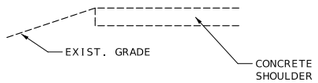
TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (RT)

STA. 513+52 TO STA. 514+80



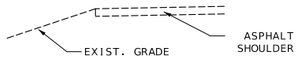
TYPICAL SHOULDER SECTION
MO ROUTE 61/67 LEMAY FERRY RD (RT)

STA. 514+80 TO STA. 518+28



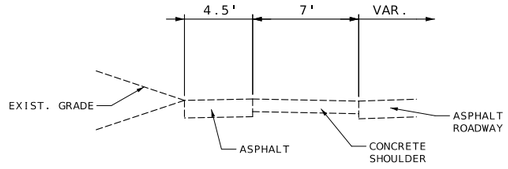
TYPICAL SHOULDER SECTION
MO ROUTE 61/67 LEMAY FERRY RD (LT)

STA. 485+05 TO STA.499+93



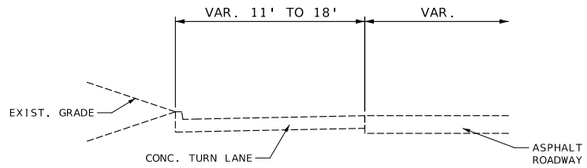
TYPICAL SHOULDER SECTION
MO ROUTE 61/67 LEMAY FERRY RD (LT)

STA. 499+93 TO STA. 507+47
STA. 520+15 TO STA. 535+30



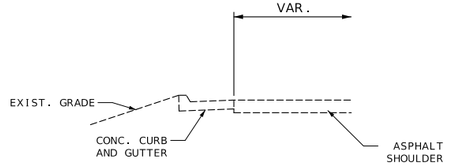
TYPICAL SHOULDER SECTION
MO ROUTE 61/67 LEMAY FERRY RD (LT)

STA. 507+47 TO STA 508+57



TYPICAL SHOULDER SECTION
MO ROUTE 61/67 LEMAY FERRY RD (LT)

STA. 508+57 TO STA. 513+48



TYPICAL SHOULDER SECTION
MO ROUTE 61/67 LEMAY FERRY RD (LT)

STA. 513+48 TO STA 520+15

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STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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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.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

SHEET 13 OF 16

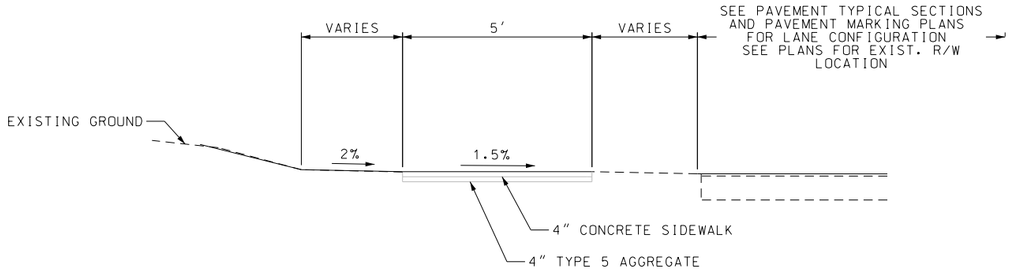
TYPICAL SECTIONS

US ROUTE 61/67
LEMAY FERRY ROAD

FINAL PLANS

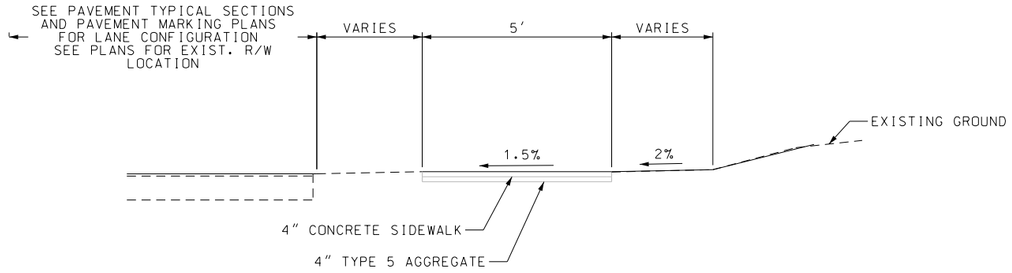
REV.

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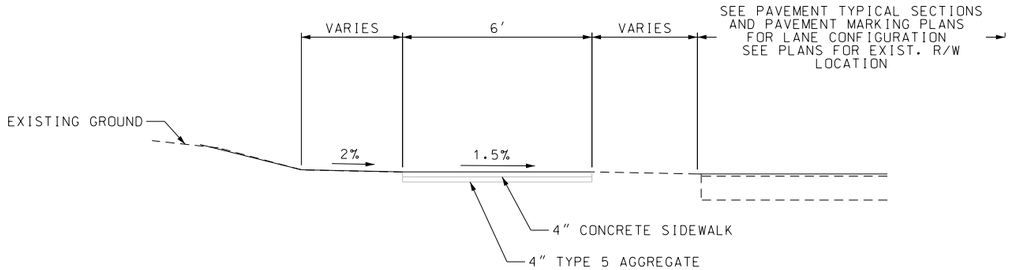
TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (LT)

STA. 485+08.10 TO STA. 509+34.04
STA. 512+45.29 TO STA. 518+45.39



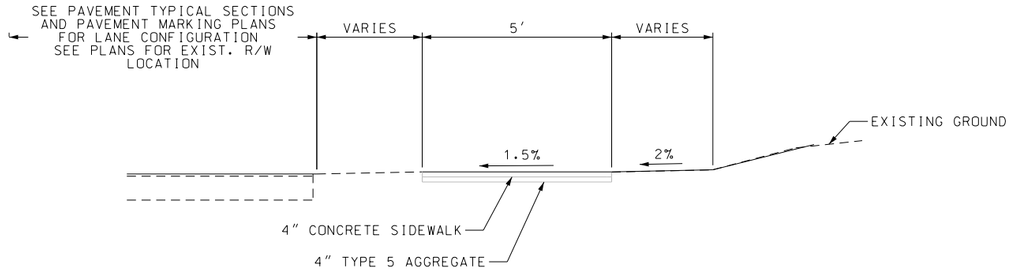
TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (RT)

STA. 484+52.93 TO STA. 506+63.87



TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (LT)

STA. 577+87.94 TO STA. 582+73.76
STA. 585+89.63 TO STA. 590+62.53
STA. 591+01.24 TO STA. 592+52.38
STA. 594+47.23 TO STA. 594+72.53



TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (RT)

STA. 514+81.90 TO STA. 524+00.67
STA. 529+00.00 TO STA. 529+96.07
STA. 588+13.11 TO STA. 588+55.25
STA. 589+16.08 TO STA. 589+55.74
STA. 589+95.57 TO STA. 591+51.45
STA. 591+82.86 TO STA. 593+63.11
STA. 594+47.23 TO STA. 594+72.53
STA. 594+48.82 TO STA. 594+99.38

SHEET 14 OF 16

TYPICAL SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	2

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

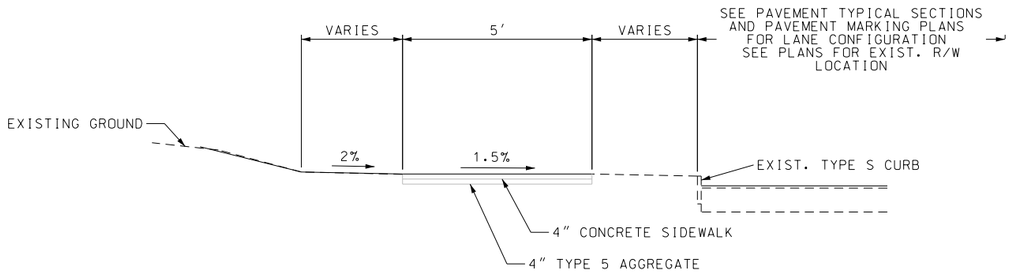
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

25MSD-00224; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

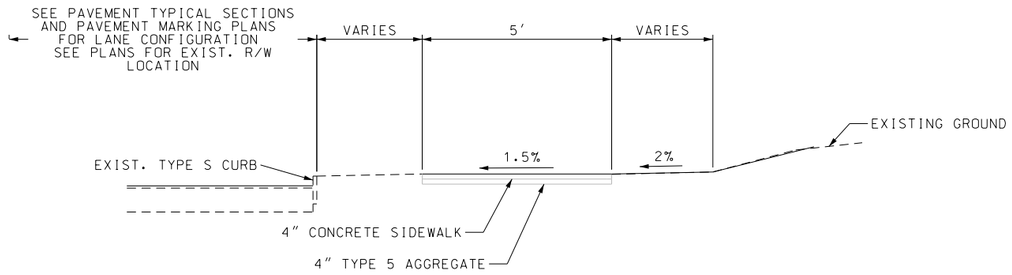
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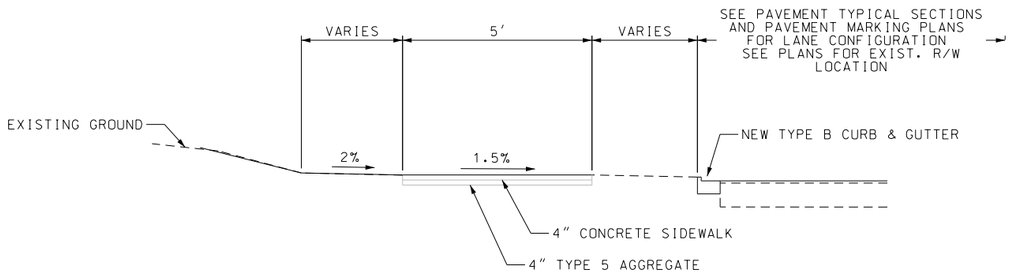
TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (LT)

STA. 577+88.61 TO STA. 582+70.02



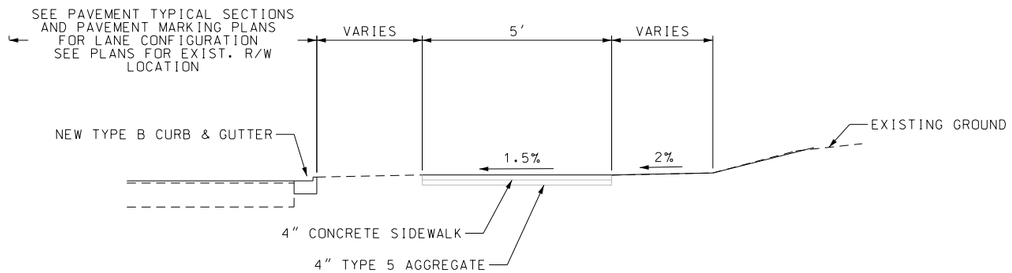
TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (RT)

STA. 583+20.40 TO STA. 587+54.06
STA. 509+11.83 TO STA. 509+38.74
STA. 567+08.88 TO STA. 570+72.05



TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (LT)

STA. 583+20.40 TO STA. 587+54.06
STA. 585+89.63 TO STA. 590+62.53
STA. 596+49.38 TO STA. 596+88.63



TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (RT)

STA. 583+20.40 TO STA. 587+54.06

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 2
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

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GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

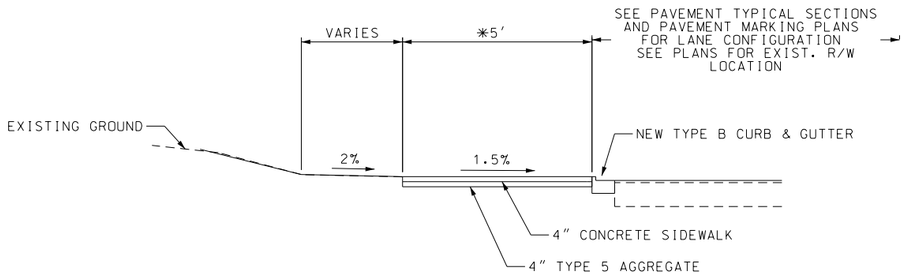
REV.

SHEET 15 OF 16

TYPICAL SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

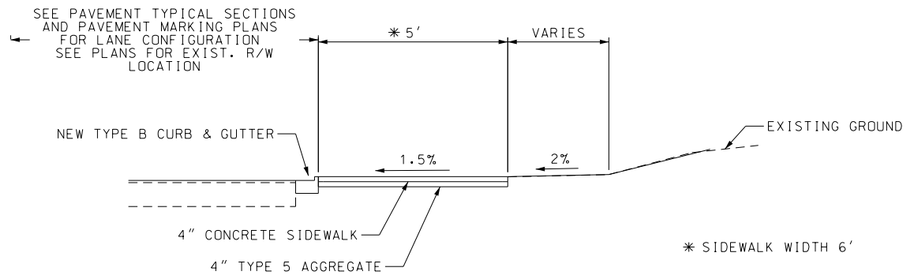
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* SIDEWALK WIDTH 6'

TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (LT)

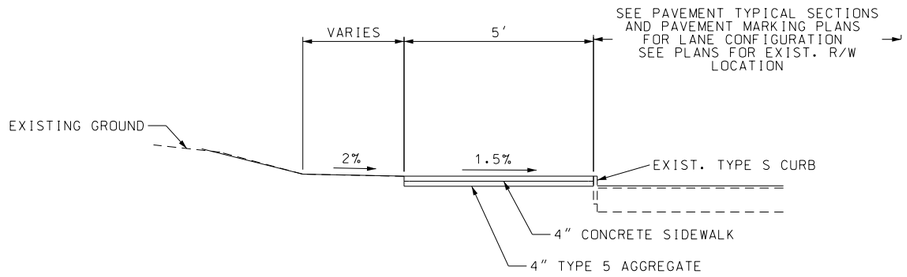
* STA. 597+20.93 TO STA. 597+74.36
* STA. 597+87.95 TO STA. 598+45.88
* STA. 598+73.35 TO STA. 599+64.49
* STA. 660+78.74 TO STA. 662+42.47
* STA. 662+87.61 TO STA. 663+26.87



* SIDEWALK WIDTH 6'

TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (RT)

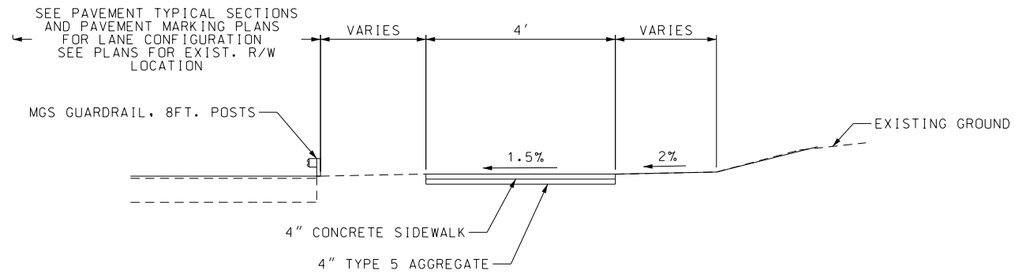
* STA. 583+20.40 TO STA. 587+54.06
* STA. 600+19.15 TO STA. 602+05.94
* STA. 656+80.35 TO STA. 658+34.97



TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (LT)

* SIDEWALK WIDTH 6'

* STA. 650+65.16 TO STA. 651+12.99
* STA. 651+49.78 TO STA. 651+57.48
* STA. 651+93.70 TO STA. 653+32.92
* STA. 653+81.30 TO STA. 656+19.70
* STA. 675+07.51 TO STA. 675+73.90
* STA. 676+24.43 TO STA. 676+52.01
* STA. 676+69.31 TO STA. 677+85.96
* STA. 678+15.42 TO STA. 679+20.00
* STA. 695+20.28 TO STA. 695+41.96
* STA. 695+68.99 TO STA. 696+20.08
* STA. 696+51.69 TO STA. 698+53.66



TYPICAL SIDEWALK SECTION
MO ROUTE 61/67 LEMAY FERRY RD (RT)

* STA. 654+08.30 TO STA. 657+43.24
* STA. 658+95.06 TO STA. 660+33.90
* STA. 691+95.99 TO STA. 692+76.02
* STA. 693+00.01 TO STA. 693+70.36
* STA. 693+85.25 TO STA. 694+26.76
* STA. 694+46.98 TO STA. 694+89.37
* STA. 695+19.14 TO STA. 696+27.44
* STA. 696+61.48 TO STA. 698+35.61

SHEET 16 OF 16

TYPICAL SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025
ROUTE: 61/67
STATE: MO
DISTRICT: SL
SHEET NO.: 2
COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

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

SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SQFT)	AREA (SQYD)	EACH	DESCRIPTION OF REMOVAL
8	RTE 61/67	488+06.81	488+40.12	LT	-	-	-	48.06	-	PAVED APPRAOCH (INCLUDES ANY CURB)
8	RTE 61/67	488+15.20	488+41.23	RT	-	-	-	34.38	-	PAVED APPRAOCH (INCLUDES ANY CURB)
9	RTE 61/67	491+11.36	491+42.88	RT	-	-	-	44.00	-	PAVED APPRAOCH (INCLUDES ANY CURB)
9	RTE 61/67	491+98.01	492+59.42	LT	-	-	-	151.29	-	PAVED APPRAOCH (INCLUDES ANY CURB)
10	RTE 61/67	496+76.68	498+41.98	RT	-	-	3323.69	369.30	-	PAVED APPRAOCH (INCLUDES ANY CURB)
10	RTE 61/67	496+80.97	497+72.34	LT	-	-	1850.06	205.56	-	PAVED APPRAOCH (INCLUDES ANY CURB)
11	RTE 61/67	500+52.79	501+06.53	RT	-	-	662.66	73.63	-	PAVED APPRAOCH (INCLUDES ANY CURB)
11	RTE 61/67	500+90.09	502+51.33	RT	201.00	-	-	-	-	EXISTING CURB AND GUTTER
11	RTE 61/67	501+00.86	501+33.18	LT	-	-	395.88	43.99	-	PAVED APPRAOCH (INCLUDES ANY CURB)
11	RTE 61/67	500+52.78	502+28.25	RT	-	-	1271.06	141.23	-	CURB & SHOULDER REMOVAL
11	RTE 61/67	501+87.54	502+80.93	LT	-	-	1648.47	183.16	-	PAVED APPRAOCH (INCLUDES ANY CURB)
11	RTE 61/67	502+00.43	503+41.77	RT	-	-	1469.71	163.30	-	PAVED APPRAOCH (INCLUDES ANY CURB)
11	RTE 61/67	503+01.67	504+25.89	RT	-	-	797.9	88.66	-	CURB & SHOULDER REMOVAL
11	RTE 61/67	503+87.20	505+39.95	RT	-	-	1583.92	175.99	-	PAVED APPRAOCH (INCLUDES ANY CURB)
11	RTE 61/67	505+39.95	505+47.43	RT	-	-	702.14	78.02	-	CURB & SHOULDER REMOVAL
12	RTE 61/67	505+33.15	505+90.66	RT	-	-	681.66	75.74	-	PAVED APPRAOCH (INCLUDES ANY CURB)
13	RTE 61/67	508+81.14	509+35.04	LT	-	-	336.83	37.43	-	EXISTING SIDEWALK
13	RTE 61/67	509+18.87	509+39.12	RT	-	-	176.21	19.58	-	SE QUADRANT EXISTING CURB RAMP
13	RTE 61/67	509+44.85	509+67.99	LT	-	-	335.49	37.28	-	SW QUADRANT ISLAND MODIFICATION AND ADA PATH
13	RTE 61/67	509+49.11	509+62.84	RT	-	-	204.82	22.76	-	SE QUADRANT ISLAND MODIFICATION AND ADA PATH
13	RTE 61/67	510+35.66	510+59.33	RT	-	-	292.90	32.54	-	NE QUADRANT SLAND MODIFICATION AND ADA PATH
13	RTE 61/67	510+35.97	510+57.76	LT	-	-	315.37	35.04	-	NW QUADRANT ISLAND MODIFICATION AND ADA PATH
13	RTE 61/67	510+60.28	-	RT	-	-	-	-	1	LIGHT POLE
13	RTE 61/67	510+65.42	510+88.30	LT	-	-	189.83	21.09	-	NW QUADRANT EXISTING CURB RAMP
13	RTE 61/67	512+45.29	512+63.85	LT	-	-	85.46	9.50	-	EXISTING SIDEWALK
13	RTE 61/67	512+76.88	513+47.77	LT	-	-	793.53	88.17	-	PAVED APPRAOCH (INCLUDES ANY CURB)
13	RTE 61/67	512+77.20	512+88.93	RT	-	-	67.47	7.50	-	EXISTING CURB RAMP
14	RTE 61/67	514+48.43	514+92.64	LT	-	-	477.74	53.08	-	PAVED APPRAOCH (INCLUDES ANY CURB)
14	RTE 61/67	514+80.90	514+88.31	RT	-	-	64.94	7.22	-	EXISTING CURB RAMP
14	RTE 61/67	514+88.31	515+52.35	RT	-	-	503.60	55.96	-	SHOULDER REMOVAL
14	RTE 61/67	515+33.58	516+14.71	LT	-	-	429.91	47.77	-	EXISTING CURB RAMP & SIDEWALK
14	RTE 61/67	515+42.46	516+10.21	RT	-	-	1243.23	138.14	-	PAVED APPRAOCH (INCLUDES ANY CURB)
14	RTE 61/67	515+95.18	516+24.98	LT	-	-	526.80	58.53	-	PAVED APPRAOCH (INCLUDES ANY CURB)
14	RTE 61/67	516+01.92	517+93.66	RT	-	-	1460.22	162.25	-	CURB & SHOULDER REMOVAL
14	RTE 61/67	516+24.45	516+43.57	LT	-	-	57.49	6.39	-	CURB REMOVAL
14	RTE 61/67	516+31.91	516+34.04	LT	-	-	1.21	0.13	-	CURB REMOVAL
14	RTE 61/67	516+43.24	516+69.11	LT	-	-	560.84	62.32	-	PAVED APPRAOCH (INCLUDES ANY CURB)
14	RTE 61/67	517+16.92	517+71.61	LT	66	-	-	-	-	GUARDRAIL
14	RTE 61/67	517+67.02	518+52.76	LT	-	-	1592.58	176.95	-	PAVED APPRAOCH (INCLUDES ANY CURB)
14	RTE 61/67	517+78.39	517+82.69	LT	-	-	37.91	4.21	-	EXISTING SIDEWALK
14	RTE 61/67	517+79.24	518+35.27	RT	-	-	1267.49	140.83	-	PAVED APPRAOCH (INCLUDES ANY CURB)
14	RTE 61/67	518+25.73	520+36.10	RT	-	-	605.93	67.33	-	CURB & SHOULDER REMOVAL
15	RTE 61/67	520+36.04	521+16.16	RT	-	-	1113.07	123.67	-	PAVED APPRAOCH (INCLUDES ANY CURB)
15	RTE 61/67	520+37.44	521+11.15	RT	74	-	-	-	-	CMP
15	RTE 61/67	521+16.16	521+68.58	RT	-	-	65.48	7.28	-	CURB & SHOULDER REMOVAL
15	RTE 61/67	521+68.58	522+41.99	RT	-	-	1045.89	116.21	-	PAVED APPRAOCH (INCLUDES ANY CURB)
15	RTE 61/67	521+74.75	522+58.51	RT	84	-	-	-	-	CMP
15	RTE 61/67	522+41.99	522+80.78	RT	-	-	116.42	12.94	-	CURB & SHOULDER REMOVAL
15	RTE 61/67	522+50.83	522+82.59	RT	-	-	163.67	18.19	-	EXISTING CURB RAMP
15	RTE 61/67	522+66.22	523+25.36	RT	-	-	746.81	82.98	-	PAVED APPRAOCH (INCLUDES ANY CURB)
15	RTE 61/67	523+08.60	523+81.93	RT	-	-	349.61	38.85	-	EXISTING CURB RAMP & SIDEWALK
15	RTE 61/67	523+10.82	523+75.00	RT	-	-	156.23	17.36	-	CURB & SHOULDER REMOVAL
17	RTE 61/67	529+12.16	-	RT	-	-	-	-	1	STREET NAME SIGN
17	RTE 61/67	529+20.20	529+25.21	RT	-	-	24.56	2.73	-	EXISTING CURB RAMP
17	RTE 61/67	529+74.09	529+83.08	RT	-	-	52.54	5.84	-	EXISTING CURB RAMP
20	RTE 61/67	542+53.53	543+30.98	RT	77.00	-	-	-	-	EXISTING GUARDRAIL
20	RTE 61/67	542+53.53	543+30.98	RT	77.45	-	-	-	-	EXISTING GUARDRAIL
21	RTE 61/67	547+48.38	548+24.21	RT	76.00	-	-	-	-	EXISTING GUARDRAIL
25	RTE 61/67	567+75.92	570+71.39	RT	-	-	1227.85	136.43	-	EXISTING SIDEWALK
26	RTE 61/67	572+42.55	-	LT	-	-	-	-	1	SIGNAL CABINET
26	RTE 61/67	572+53.12	-	LT	-	-	-	-	1	SIGNAL POWER SUPPLY
27	RTE 61/67	577+88.29	582+70.29	LT	-	-	3343.64	371.52	-	EXISTING SIDEWALK
28	RTE 61/67	582+36.00	-	RT	-	-	-	-	1	EXISTING HEADWALL
28	RTE 61/67	582+71.00	583+52.00	RT	81.00	-	-	-	-	ABANDON EXISTING PIPE
28	RTE 61/67	582+53.80	583+54.10	LT	VARIES	VARIES	851.0500	94.56	-	EXISTING DRIVEWAY
28	RTE 61/67	583+42.68	585+38.90	LT	-	-	1241.14	137.90	-	EXISTING SIDEWALK
28	RTE 61/67	583+51.00	-	RT	-	-	-	-	1.00	EXISTING HEADWALL
28	RTE 61/67	583+61.72	-	RT	-	-	-	-	1	
28	RTE 61/67	583+62.00	583+78.0	RT	16.00	-	-	-	-	
28	RTE 61/67	583+73.80	587+53.85	RT	-	-	2407.51	267.50	-	
29	RTE 61/67	585+89.30	590+63.13	LT	-	-	1960.69	217.85	-	
29	RTE 61/67	587+45.98	588+20.86	RT	VARIES	VARIES	1204.08	133.79	-	
29	RTE 61/67	588+12.27	588+56.48	RT	-	-	240.60	26.73	-	
29	RTE 61/67	588+47.23	589+23.36	RT	VARIES	VARIES	1006.21	111.80	-	
29	RTE 61/67	589+15.15	589+55.20	RT	-	-	257.54	28.62	-	
29	RTE 61/67	589+36.81	590+17.65	RT	VARIES	VARIES	1570.66	174.52	-	
29	RTE 61/67	589+90.79	591+51.08	RT	-	-	832.29	92.48	-	

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

STATE OF MISSOURI
BRIAN D. KIERATH JR. NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

REV.

SHEET 1 OF 14

QUANTITIES

US ROUTE 61/67
LEMAY FERRY ROAD

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

SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SQFT)	AREA (SQYD)	EACH	DESCRIPTION OF REMOVAL
30	RTE 61/67	590+13.13	690+27.85	RT	-	-	95.80	10.64	-	EXISTING SIDEWALK
30	RTE 61/67	590+53.51	591+09.02	LT	VARIES	VARIES	732.75	81.42	-	EXISTING DRIVEWAY
30	RTE 61/67	591+00.45	592+52.52	LT	-	-	899.35	99.93	-	EXISTING SIDEWALK
30	RTE 61/67	591+41.98	591+91.30	RT	VARIES	VARIES	851.05	94.56	-	EXISTING DRIVEWAY
30	RTE 61/67	591+83.87	593+63.09	RT	-	-	1011.14	112.35	-	EXISTING SIDEWALK
30	RTE 61/67	592+19.67	-	RT	-	-	-	-	1	BUS STOP
30	RTE 61/67	592+69.06	592+79.56	LT	-	-	77.88	8.65	-	EXISTING SIDEWALK
30	RTE 61/67	593+04.35	593+09.35	LT	-	-	30.53	3.39	-	EXISTING SIDEWALK
30	RTE 61/67	593+31.55	593+36.36	LT	-	-	32.05	3.56	-	EXISTING SIDEWALK
30	RTE 61/67	593+47.41	593+62.18	LT	-	-	93.08	10.34	-	EXISTING SIDEWALK
30	RTE 61/67	593+48.02	-	LT	-	-	-	-	1	SIGNAL POWER SUPPLY
30	RTE 61/67	593+51.01	-	LT	-	-	-	-	1	SIGNAL CABINET
30	RTE 61/67	593+63.12	594+30.33	LT/RT	-	-	-	-	3	SIGNAL POLE AND MAST ARM
30	RTE 61/67	593+72.03	594+28.28	LT	-	-	-	-	2	PULL BOX
30	RTE 61/67	593+78.95	-	LT	-	-	-	-	1	PEDESTAL POLE
30	RTE 61/67	594+44.39	594+72.53	LT	-	-	249.69	27.74	-	EXISTING SIDEWALK
30	RTE 61/67	594+57.13	594+98.96	RT	-	-	442.82	49.20	-	EXISTING SIDEWALK
30	RTE 61/67	594+61.19	-	RT	-	-	-	-	1	TREE
30	RTE 61/67	594+44.98	-	RT	-	-	-	-	1	BUSH
31	RTE 61/67	596+00.00	596+13.60	LT	-	-	131.36	14.60	-	EXISTING SIDEWALK
31	RTE 61/67	596+04.50	596+58.87	LT	VARIES	VARIES	701.41	77.93	-	EXISTING DRIVEWAY
31	RTE 61/67	596+49.38	596+88.63	LT	-	-	195.81	21.76	-	EXISTING SIDEWALK
31	RTE 61/67	596+79.58	597+30.23	LT	VARIES	VARIES	556.12	61.79	-	EXISTING DRIVEWAY
31	RTE 61/67	597+20.72	597+74.36	LT	-	-	307.98	34.22	-	EXISTING SIDEWALK
31	RTE 61/67	597+65.07	597+99.71	LT	VARIES	VARIES	276.62	30.74	-	EXISTING DRIVEWAY
31	RTE 61/67	597+87.60	598+46.19	LT	-	-	335.57	37.29	-	EXISTING SIDEWALK
31	RTE 61/67	598+34.77	598+89.16	LT	VARIES	VARIES	620.21	68.91	-	EXISTING DRIVEWAY
31	RTE 61/67	598+73.35	599+59.70	LT	-	-	574.77	63.86	-	EXISTING SIDEWALK
32	RTE 61/67	600+19.15	601+65.93	RT	-	-	909.55	101.06	-	EXISTING SIDEWALK
32	RTE 61/67	601+76.33	606+39.71	LT	466.37	-	-	-	-	EXISTING GUARDRAIL
33	RTE 61/67	606+41.12	606+47.12	LT	-	-	93.11	10.35	-	EXISTING SIDEWALK
33	RTE 61/67	606+91.96	612+22.06	LT	-	-	82.46	9.16	-	EXISTING SIDEWALK
33	RTE 61/67	607+06.19	607+02.43	LT	517.11	-	-	-	-	EXISTING GUARDRAIL
35	RTE 61/67	616+36.96	616+49.35	RT	-	-	86.74	9.64	-	EXISTING SIDEWALK
36	RTE 61/67	621+28.78	628+30.00	LT	760.55	-	-	-	-	EXISTING GUARDRAIL
37	RTE 61/67	627+86.33	-	LT	-	-	-	-	1	SIGNAL POWER SUPPLY
37	RTE 61/67	628+18.76	-	LT	-	-	-	-	1	SIGNAL CABINET
38	RTE 61/67	631+28.30	631+62.65	LT	34.67	-	-	-	-	EXISTING GUARDRAIL
38	RTE 61/67	633+80.54	635+17.96	RT	141.76	-	-	-	-	EXISTING GUARDRAIL
40	RTE 61/67	642+69.71	643+29.63	RT	58.00	-	-	-	-	EXISTING GUARDRAIL
40	RTE 61/67	643+67.97	644+56.14	LT	93.00	-	-	-	-	EXISTING GUARDRAIL
41	RTE 61/67	648+51.52	649+29.10	LT	77.58	-	-	-	-	EXISTING GUARDRAIL
42	RTE 61/67	650+65.58	651+13.73	LT	-	-	232.09	25.79	-	EXISTING SIDEWALK
42	RTE 61/67	651+02.56	651+52.14	LT	VARIES	VARIES	754.53	83.84	-	EXISTING DRIVEWAY
42	RTE 61/67	651+49.78	651+57.48	LT	-	-	39.73	4.41	-	EXISTING SIDEWALK
42	RTE 61/67	651+93.70	653+33.00	LT	-	-	765.94	85.10	-	EXISTING SIDEWALK
42	RTE 61/67	653+11.73	653+78.70	LT/RT	-	-	-	-	4	PULL BOX
42	RTE 61/67	653+18.65	653+98.27	LT	VARIES	VARIES	1113.87	123.76	-	EXISTING DRIVEWAY
42	RTE 61/67	653+19.02	654+35.49	LT/RT	-	-	-	-	4	SIGNAL POLE AND MAST ARM
42	RTE 61/67	653+83.85	656+34.58	LT	-	-	1235.92	137.32	-	EXISTING SIDEWALK
42	RTE 61/67	654+14.45	657+43.20	RT	-	-	2134.67	237.19	-	EXISTING SIDEWALK
42	RTE 61/67	654+28.81	-	RT	-	-	-	-	1	SIGNAL CABINET
43	RTE 61/67	655+83.86	657+28.01	LT	VARIES	VARIES	2331.08	259.01	-	EXISTING DRIVEWAY
43	RTE 61/67	657+29.41	658+08.15	RT	VARIES	VARIES	1183.76	131.53	-	EXISTING DRIVEWAY
43	RTE 61/67	657+79.02	659+50.55	LT	VARIES	VARIES	2916.80	324.09	-	EXISTING DRIVEWAY
43	RTE 61/67	658+95.58	660+39.94	LT	-	-	521.28	57.92	-	EXISTING SIDEWALK
44	RTE 61/67	660+18.40	660+93.58	LT	VARIES	VARIES	1600.48	177.83	-	EXISTING DRIVEWAY
44	RTE 61/67	662+14.46	662+54.94	LT	-	-	213.09	23.68	-	EXISTING SIDEWALK
44	RTE 61/67	662+30.02	663+16.92	LT	VARIES	VARIES	1298.27	144.25	-	EXISTING DRIVEWAY
44	RTE 61/67	662+80.53	663+18.03	LT	-	-	201.95	22.44	-	EXISTING SIDEWALK
44	RTE 61/67	663+93.31	664+12.81	RT	-	-	144.87	16.10	-	EXISTING SIDEWALK
44	RTE 61/67	664+04.62	-	LT/RT	-	-	-	-	4	SIGNAL POLE AND MAST ARM
44	RTE 61/67	664+05.25	-	LT/RT	-	-	-	-	2	PEDESTAL POLE
44	RTE 61/67	664+09.34	-	LT/RT	-	-	-	-	3	PULL BOX
44	RTE 61/67	664+70.97	664+89.35	RT	-	-	107.28	11.92	-	EXISTING SIDEWALK
45	RTE 61/67	665+52.14	-	RT	-	-	-	-	1	SIGNAL CABINET
45	RTE 61/67	667+88.80	-	RT	-	-	-	-	1	SIGNAL CABINET
45	RTE 61/67	667+94.49	-	RT	-	-	-	-	1	SIGNAL POWER SUPPLY
46	RTE 61/67	670+68.84	672+90.59	RT	VARIES	VARIES	3870.28	430.03	-	EXISTING DRIVEWAY
46	RTE 61/67	672+10.37	673+84.72	RT	-	-	1011.41	112.38	-	EXISTING SIDEWALK
46	RTE 61/67	673+50.69	-	RT	-	-	-	-	1	SIGNAL POWER SUPPLY
46	RTE 61/67	674+15.24	-	RT	-	-	-	-	1	SIGNAL CABINET
46	RTE 61/67	674+30.19	674+52.39	RT	-	-	129.98	14.44	-	EXISTING SIDEWALK
47	RTE 61/67	675+07.51	675+73.90	RT	-	-	263.13	29.24	-	EXISTING SIDEWALK
47	RTE 61/67	675+19.42	675+33.20	RT	-	-	80.73	8.97	-	EXISTING SIDEWALK
47	RTE 61/67	676+24.44	676+52.01	LT	-	-	103.49	11.50	-	EXISTING SIDEWALK
47	RTE 61/67	676+45.59	676+69.34	LT	VARIES	VARIES	218.35	24.26	-	EXISTING DRIVEWAY
47	RTE 61/67	676+62.55	677+86.01	LT	-	-	555.05	61.67	-	EXISTING SIDEWALK

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
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CHESTERFIELD, MO 63017
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GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

SHEET 2 OF 14

QUANTITIES

US ROUTE 61/67
LEMAY FERRY ROAD

REMOVAL OF IMPROVEMENTS - 1 LUMP SUM (3 OF 3)										
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	LENGTH (FEET)	WIDTH (FEET)	AREA (SQFT)	AREA (SQYD)	EACH	DESCRIPTION OF REMOVAL
47	RTE 61/67	677+79.33	678+22.52	LT	VARIES	VARIES	628.76	69.86	-	EXISTING DRIVEWAY
47	RTE 61/67	678+15.75	679+19.91	LT	-	-	503.11	55.90	-	EXISTING SIDEWALK
47	RTE 61/67	679+04.76	-	RT	-	-	-	-	1	SIGNAL POWER SUPPLY
48	RTE 61/67	680+04.85	-	RT	-	-	-	-	1	LIGHTING CONTROLLER
48	RTE 61/67	680+09.10	-	RT	-	-	-	-	1	SIGNAL CABINET
48	RTE 61/67	683+83.32	686+29.15	LT	246.45	-	-	-	-	EXISTING GUARDRAIL
49	RTE 61/67	685+63.86	-	RT	-	-	-	-	1	LIGHTING CONTROLLER
49	RTE 61/67	689+47.71	-	RT	-	-	-	-	1	SIGNAL CABINET
49	RTE 61/67	689+62.14	689+84.93	LT	-	-	161.62	17.96	-	EXISTING SIDEWALK
50	RTE 61/67	690+41.81	690+62.70	LT	-	-	118.00	13.11	-	EXISTING SIDEWALK
50	RTE 61/67	691+06.65	691+12.94	LT	-	-	25.73	2.86	-	EXISTING SIDEWALK
50	RTE 61/67	691+41.41	693+98.73	LT	58.74	-	-	-	-	EXISTING GUARDRAIL
50	RTE 61/67	691+94.34	692+76.01	RT	-	-	511.54	56.84	-	EXISTING SIDEWALK
50	RTE 61/67	692+67.36	693+09.33	RT	VARIES	VARIES	504.70	56.08	-	EXISTING DRIVEWAY
50	RTE 61/67	692+99.89	693+70.35	RT	-	-	368.92	40.99	-	EXISTING SIDEWALK
50	RTE 61/67	693+62.35	693+97.21	RT	VARIES	VARIES	369.92	41.10	-	EXISTING DRIVEWAY
50	RTE 61/67	693+85.28	694+26.63	RT	-	-	212.56	23.62	-	EXISTING SIDEWALK
50	RTE 61/67	694+18.84	694+57.04	RT	VARIES	VARIES	445.53	49.50	-	EXISTING DRIVEWAY
50	RTE 61/67	694+46.98	694+89.63	RT	-	-	209.70	23.30	-	EXISTING SIDEWALK
50	RTE 61/67	694+76.27	695+32.20	RT	VARIES	VARIES	1002.34	111.37	-	EXISTING DRIVEWAY
51	RTE 61/67	695+19.41	696+27.70	RT	-	-	508.75	56.53	-	EXISTING SIDEWALK
51	RTE 61/67	695+20.28	695+41.96	LT	-	-	112.71	12.52	-	EXISTING SIDEWALK
51	RTE 61/67	695+32.37	695+79.63	LT	VARIES	VARIES	631.04	70.12	-	EXISTING DRIVEWAY
51	RTE 61/67	695+69.15	696+20.03	LT	-	-	247.03	27.45	-	EXISTING SIDEWALK
51	RTE 61/67	696+14.45	696+73.71	RT	VARIES	VARIES	962.51	106.95	-	EXISTING DRIVEWAY
51	RTE 61/67	696+51.18	698+53.66	LT	-	-	1007.61	111.96	-	EXISTING SIDEWALK
51	RTE 61/67	696+60.97	698+72.86	RT	-	-	998.07	110.90	-	EXISTING SIDEWALK
52	RTE 61/67	700+41.18	-	RT	-	-	-	-	1	SIGNAL CABINET
52	RTE 61/67	700+57.86	-	RT	-	-	-	-	1	SIGNAL POWER SUPPLY

ADJUST TO GRADE										
SHEET NO.	ROADWAY	STATION	LOCATION	ADJUSTING MANHOLE (EA)	ADJUST TO GRADE MANHOLE (BY OTHERS) (EA)*	ADJUSTING BASIN OR INLET (EA)	ADJUST TO GRADE WATER VALVE (EA)	ADJUST TO GRADE GAS VALVE (BY OTHERS) (EA)*	ADJUST TO GRADE MODOT PULL BOX (EA)	REMARKS
9	RTE 61/67	492+62.50	LT	-	1	-	-	-	-	TELEPHONE MANHOLE
10	RTE 61/67	498+80.29	LT	-	1	-	-	-	-	TELEPHONE MANHOLE
14	RTE 61/67	515+83.94	LT	-	1	-	-	-	-	TELEPHONE MANHOLE
25	RTE 61/67	567+58.42	RT	-	-	-	-	-	-	
28	RTE 61/67	580+99.72	LT	-	-	-	-	-	-	
28	RTE 61/67	584+92.67	RT	-	-	-	1	-	-	
29	RTE 61/67	585+33.68	RT	-	-	-	1	-	-	
29	RTE 61/67	586+23.88	RT	-	-	-	1	-	-	
29	RTE 61/67	588+07.35	RT	1	-	-	-	-	-	
29	RTE 61/67	588+60.83	LT	1	-	-	-	-	-	
29	RTE 61/67	589+26.25	RT	-	-	-	-	-	1	
30	RTE 61/67	590+05.42	RT	-	-	-	-	1	-	
30	RTE 61/67	591+54.49	RT	-	-	1	-	-	-	
30	RTE 61/67	591+77.13	RT	-	-	1	-	-	-	
30	RTE 61/67	592+00.80	LT	-	-	-	1	-	-	
31	RTE 61/67	597+54.37	LT	1	-	-	-	-	-	
31	RTE 61/67	598+17.00	LT	-	-	-	-	-	1	
31	RTE 61/67	598+29.16	LT	1	-	-	-	-	-	
31	RTE 61/67	598+89.06	LT	1	-	-	-	-	-	
31	RTE 61/67	599+53.65	LT	1	-	-	-	-	-	
42	RTE 61/67	650+91.66	LT	-	-	-	1	-	-	
42	RTE 61/67	653+01.46	RT	-	-	-	-	-	1	
42	RTE 61/67	654+11.21	LT	1	-	-	-	-	-	
43	RTE 61/67	657+22.07	RT	-	-	-	-	-	1	
45	RTE 61/67	665+71.12	RT	1	-	-	-	-	-	
47	RTE 61/67	675+51.51	LT	-	-	-	1	-	-	
47	RTE 61/67	677+68.34	LT	-	-	-	1	-	-	
47	RTE 61/67	678+06.88	LT	1	-	-	-	-	-	
50	RTE 61/67	692+98.82	RT	-	-	1	-	-	-	
50	RTE 61/67	693+35.01	RT	1	-	-	-	-	-	
50	RTE 61/67	693+43.81	RT	-	-	-	-	-	-	
50	RTE 61/67	694+83.22	RT	-	-	-	1	-	-	
51	RTE 61/67	695+34.21	LT	-	-	-	1	-	-	
51	RTE 61/67	695+63.04	RT	1	-	-	-	-	-	
51	RTE 61/67	696+04.89	RT	1	-	-	-	-	-	
51	RTE 61/67	696+74.66	LT	-	-	-	1	-	-	
			PROJECT TOTAL	12	3	3	10	1	4	

DRIVEWAYS						
SHEET NO.	ROADWAY	STATION	LOCATION	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	PAVED APPROACH 8.0" (SQYD)	LINEAR GRADING CLASS 2, MODIFIED (STA.)
8	RTE 61/67	488+36.61	LT	48.1	48.1	0.3
8	RTE 61/67	488+28.18	RT	34.4	34.4	0.3
9	RTE 61/67	491+22.91	RT	44.0	44.0	0.3
9	RTE 61/67	492+30.59	LT	151.3	151.3	0.7
10	RTE 61/67	497+23.71	RT	366.2	366.2	1.7
10	RTE 61/67	497+26.92	LT	199.4	199.4	0.9
11	RTE 61/67	500+78.46	RT	73.7	73.7	0.5
11	RTE 61/67	501+07.08	LT	44.0	44.0	0.3
11	RTE 61/67	502+35.13	LT	178.9	178.9	0.9
11	RTE 61/67	502+66.06	RT	107.7	107.7	0.8
11	RTE 61/67	504+99.74	RT	105.8	105.8	0.8
12	RTE 61/67	505+67.97	RT	72.8	72.8	0.6
14	RTE 61/67	513+11.29	LT	85.9	85.9	0.7
14	RTE 61/67	514+73.56	LT	51.5	51.5	0.4
14	RTE 61/67	515+76.09	RT	136.7	136.7	0.7
14	RTE 61/67	515+76.09	LT	55.3	55.3	0.3
14	RTE 61/67	516.80.59	LT	58.6	58.6	0.3
14	RTE 61/67	517+96.71	LT	172.5	172.5	0.9
14	RTE 61/67	518+09.53	RT	136.4	136.4	0.6
15	RTE 61/67	520+76.13	RT	121.5	121.5	0.8
15	RTE 61/67	522+06.13	RT	115.1	115.1	0.7
15	RTE 61/67	522+95.20	RT	80.2	80.2	0.6
28	RTE 61/67	582+85.00	LT	89.3	89.3	1.0
29	RTE 61/67	587+83.00	RT	133.5	133.5	0.7
29	RTE 61/67	588+86.00	RT	113.0	113.0	0.8
29	RTE 61/67	589+74.00	RT	176.5	176.5	0.8
30	RTE 61/67	590+82.00	LT	81.5	81.5	0.6
30	RTE 61/67	591+67.00	RT	93.6	93.6	0.5
31	RTE 61/67	597+81.00	LT	31.3	31.3	0.3
31	RTE 61/67	598+61.00	LT	69.6	69.6	0.5
42	RTE 61/67	651+33.00	LT	83.4	83.4	0.5
42	RTE 61/67	653+63.00	LT	124.4	124.4	0.8
43	RTE 61/67	656+49.00	LT	220.9	220.9	1.0
43	RTE 61/67	657+71.00	RT	131.1	131.1	0.8
43	RTE 61/67	658+44.00	LT	221.7	221.7	0.9
44	RTE 61/67	660+46.00	LT	181.1	181.1	0.8
44	RTE 61/67	662+84.00	LT	107.8	107.8	0.9
46	RTE 61/67	671+78.00	RT	384.8	384.8	2.2
47	RTE 61/67	676+57.00	LT	24.1	24.1	0.2
47	RTE 61/67	678+01.00	LT	69.8	69.8	0.4
50	RTE 61/67	692+84.00	RT	56.6	56.6	0.4
50	RTE 61/67	693+88.00	RT	41.7	41.7	0.3
50	RTE 61/67	694+34.00	RT	50.1	50.1	0.4
50	RTE 61/67	694+98.00	RT	108.4	108.4	0.6
51	RTE 61/67	695+62.00	LT	70.8	70.8	0.5
51	RTE 61/67	696+48.00	RT	107.7	107.7	0.6
			SUBTOTAL	5212.7	5212.7	30.6
			PROJECT TOTAL	*	5212.7	*

*SEE SIDEWALK QUANTITIES TABLE FOR PROJECT TOTAL

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

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DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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PROFESSIONAL ENGINEER
PE-2023008624

REV.

SHEET 3 OF 14

QUANTITIES

US ROUTE 61/67
LEMAY FERRY ROAD

GUARDRAIL

SHEET NO.	ROADWAY	BEGIN STA.	END STA.	LOCATION	MGS GUARDRAIL (FT.)	MGS GUARDRAIL, 8FT. POSTS, 6FT.-3IN. SPACING (FT)	MGS GUARDRAIL, 6FT. POSTS, 1FT.-6.75IN. SPACING (FT)	MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB) (EACH)	MGS HEIGHT AND BLOCK TRANSITION (EACH)	MGS END ANCHOR (EACH)	TYPE A CRASHWORTHY END TERMINAL (MASH) (EACH)	CONCRETE TRAFFIC BARRIER, TYPE B (L.F.)	SHAPING SLOPES, CLASS III (MODIFIED) 100F
14	RTE 61/67	516+95.00	517+61.70	LT	-	-	-	-	-	-	-	70	-
20	RTE 61/67	542+55.00	543+31.00	RT	-	-	-	-	1	-	1	-	1
21	RTE 61/67	547+48.00	548+25.00	RT	-	-	-	-	1	-	1	-	1
27	RTE 61/67	578+03.00	582+44.00	LT	-	375.0	-	-	-	1	1	-	4
32	RTE 61/67	601+65.00	606+03.00	LT	375.0	-	-	-	-	1	1	-	4
33	RTE 61/67	607+20.00	612+20.00	LT	437.5	-	-	-	-	1	1	-	5
34	RTE 61/67	612+26.00	628+30.00	LT	750.0	-	-	1	-	1	-	-	8
38	RTE 61/67	631+32.00	631+68.00	LT	25.0	-	-	1	-	1	-	-	1
38	RTE 61/67	633+81.00	634+54.00	RT	-	-	-	-	1	-	1	-	1
40	RTE 61/67	642+51.00	643+50.00	RT	-	-	-	-	1	-	1	-	1
40	RTE 61/67	643+61.00	644+56.00	LT	12.5	-	50.0	-	1	1	-	-	1
41	RTE 61/67	648+52.00	649+25.00	LT	-	-	-	-	1	-	1	-	1
48	RTE 61/67	683+85.00	685+36.00	LT	62.5	-	-	-	-	-	1	-	2
50	RTE 61/67	691+62.00	694+00.00	LT	-	-	172.5	-	-	1	1	-	2
				PROJECT TOTAL	1663	375	223	3	6	7	10	70	31

PAVEMENT REPAIR

ROADWAY	LOG MILE US-61	DIRECTION	LANE	LENGTH (FT)	WIDTH (FT)	DEPTH (IN)	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 (EACH)	FURNISHING AND PLACING BITUMINOUS MATERIAL FOR CLASS B PARTIAL DEPTH PAVEMENT REPAIR (TONS)	REMOVAL FOR CLASS B PARTIAL DEPTH PAVEMENT REPAIR (SQYD)
RTE 61/67	213.862	NB	2	1	1	4	-	-	-	-	-	0.07	0.11
RTE 61/67	213.883	NB	1	1	1	4	-	-	-	-	-	0.07	0.11
RTE 61/67	213.901	NB	1	1	1	4	-	-	-	-	-	0.07	0.11
RTE 61/67	213.901	NB	2	1	1	4	-	-	-	-	-	0.07	0.11
RTE 61/67	213.912	NB	2	1	1	4	-	-	-	-	-	0.07	0.11
RTE 61/67	213.933	NB	2	1	1	4	-	-	-	-	-	0.07	0.11
RTE 61/67	214.173	NB	2	10	1	4	-	-	-	-	-	0.71	1.11
RTE 61/67	180.186	SB	2	1	1	4	-	-	-	-	-	0.07	0.11
RTE 61/67	180.189	SB	2	1	1	4	-	-	-	-	-	0.07	0.11
RTE 61/67	180.205	SB	1	1	1	4	-	-	-	-	-	0.07	0.11
RTE 61/67	214.429 TO 216.102	NB AND CL	VAR.	6104	3	4	-	-	-	-	-	1306.93	2034.7
RTE 61/67	215.503	NB	1	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	215.503	NB	2	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	215.63	NB	1	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	215.63	NB	2	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	215.634	NB	2	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	215.634	NB	2	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	217.319	NB	1	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	217.319	NB	2	6	12	-	8.0	8	8	36	24	-	-
RTE 61/68	217.485	NB	2	60	3	4	-	-	-	-	-	12.85	20.00
RTE 61/67	217.583	NB	1	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	217.583	NB	2	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	217.583	NB	3	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	176.281	SB	2	55	5	4	-	-	-	-	-	19.63	30.56
RTE 61/67	176.486	SB	1	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	176.486	SB	2	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	176.486	SB	3	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	176.486	SB	4	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	177.960 TO 179.578	SB	VAR.	3160	3	4	-	-	-	-	-	676.59	1053.33
RTE 61/67	178.431	SB	1	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	178.431	SB	2	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	178.562	SB	1	6	12	-	8.0	8	8	36	24	-	-
RTE 61/67	178.562	SB	2	6	12	-	8.0	8	8	36	24	-	-
						25% FUTURE DISTRESS	38.0	38	38	171	114	504.34	785.17
						PROJECT TOTAL	190.0	190	190	855	570	2521.7	3925.8

LOCATION OF PAVEMENT REPAIR TO BE AS DIRECTED BY ENGINEER

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STATE OF MISSOURI
BRIAN D. KIERATH JR. NUMBER PE-2023008624
PROFESSIONAL ENGINEER

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DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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REV.

QUANTITIES

US ROUTE 61/67
LEMAY FERRY ROAD

CURB										
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S (LF)	CONCRETE GUTTER TYPE B (LF)	CURB AND GUTTER TYPE B (LF)	CONCRETE CURB AND GUTTER (4 INCH) (LF)	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A (LF)	REMARKS
11	RTE 61/67	500+30.30	500+52.79	RT	23.00	-	-	-	-	
11	RTE 61/67	501+06.52	502+24.45	RT	118.00	-	-	-	-	-
11	RTE 61/67	503+08.90	504+19.54	RT	111.00	-	-	-	-	-
12	RTE 61/67	505+01.47	505+33.15	RT	29.00	-	-	-	-	-
13	RTE 61/67	509+66.88	505+33.15	RT	10.00	-	-	-	-	-
14	RTE 61/67	514+92.64	514+97.75	LT	-	5	-	-	-	-
14	RTE 61/67	515+00.00	515+42.46	RT	-	42.5	-	-	-	-
14	RTE 61/67	516+10.21	517+79.24	RT	-	170	-	-	-	-
14	RTE 61/67	516+24.45	516+43.57	LT	-	20	-	-	-	-
14	RTE 61/67	516+31.91	516+34.04	LT	3.00	-	-	-	-	-
14	RTE 61/67	518+35.27	520+36.04	RT	-	201	-	-	-	-
15	RTE 61/67	521+16.16	521+68.58	RT	-	52.42	-	-	-	-
15	RTE 61/67	522+41.99	522+66.22	RT	-	24.23	-	-	-	-
15	RTE 61/67	523+25.36	523+74.97	RT	-	49.61	-	-	-	-
25	RTE 61/67	565+77.00	566+64.00	RT	86.32	-	-	-	-	-
25	RTE 61/67	567+05.00	567+76.00	RT	73.40	-	-	-	-	-
27	RTE 61/67	577+98.00	582+54.00	LT	456.00	-	-	-	-	-
28	RTE 61/67	583+31.27	583+74.07	RT	-	-	42.80	-	-	-
28	RTE 61/67	583+54.03	583+74.03	LT	20.00	-	-	-	-	-
32	RTE 61/67	601+84.00	602+10.00	RT	-	-	26.00	-	-	-
33	RTE 61/67	605+52.00	606+04.00	LT	-	-	-	52.00	-	4" CURB FOR CET
34	RTE 61/67	611+69.00	612+20.00	LT	-	-	-	51.00	-	4" CURB FOR CET
34	RTE 61/67	612+20.00	612+30.00	LT	16.00	-	-	-	-	4" CURB FOR CET
37	RTE 61/67	628+77.81	628+84.98	LT	12.50	-	-	-	-	-
38	RTE 61/67	633+56.00	634+30.00	RT	-	-	-	74.00	-	4" CURB FOR CET
40	RTE 61/67	642+35.00	643+04.00	RT	-	-	-	69.00	-	4" CURB FOR CET
41	RTE 61/67	648+75.00	649+19.00	LT	-	-	-	44.00	-	4" CURB FOR CET
41	RTE 61/67	649+19.00	649+32.00	LT	18.00	-	-	-	-	4" CURB FOR CET
42	RTE 61/67	650+06.14	652+91.00	RT	-	-	278.83	-	-	-
43	RTE 61/67	655+71.04	656+01.04	LT	-	-	30.00	-	-	-
43	RTE 61/67	656+98.96	657+28.62	LT	-	-	28.86	-	-	-
43	RTE 61/67	657+79.02	658+19.93	LT	-	-	39.84	-	-	-
43	RTE 61/67	658+60.00	659+05.00	RT	-	-	46.00	-	-	-
43	RTE 61/67	659+07.91	659+53.01	LT	-	-	45.89	-	-	-
43	RTE 61/67	659+54.16	659+75.95	LT	-	-	-	-	20.92	-
44	RTE 61/67	660+98.67	662+19.32	LT	-	-	-	-	116.73	-
50	RTE 61/67	693+50.00	694+16.00	LT	-	-	-	66.00	-	4" CURB FOR CET
				SUBTOTAL	976.22	564.76	538.22	356.00	137.65	
				PROJECT TOTAL	976	565	538	356	138	

COLDMILLING AND PAVEMENT												
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SQYD)	TYPE A2 SHOULDER (SQYD)	ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125C MIX) 2" (TON)	ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125CLP MIX) 2" (TON)	ASPHALTIC CONCRETE MIXTURE PG 64-22 (SP190C MIX) 8" (TON)	TACK COAT (GAL)	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS) (SQYD)	CONCRETE PAVEMENT (10.5 IN. NON-REINFORCED, 15 FT. JOINTS) (SQYD)
10	RTE 61/67	499+76.48	499+93.59	-	-	-	-	-	-	-	-	22.67
10	RTE 61/67	499+93.48	500+00.00	-	-	-	-	4.50	-	4.19	41.89	-
11	RTE 61/67	500+00.00	505+00.00	-	-	-	-	332.60	-	310.63	3106.34	-
12	RTE 61/67	505+00.00	508+50.00	-	-	-	-	227.10	-	212.14	2121.40	-
13	RTE 61/67	508+50.00	513+50.00	-	-	-	-	392.30	-	366.43	3664.31	-
14	RTE 61/67	513+50.00	518+50.00	-	-	-	-	332.10	-	310.24	3102.41	-
15	RTE 61/67	518+50.00	523+50.00	-	-	-	-	312.90	-	292.32	2923.22	-
16	RTE 61/67	523+50.00	528+00.00	-	-		-	320.80	-	299.70	2997.01	-
17	RTE 61/67	528+00.00	531+00.00	-	-	-	-	259.80	-	242.64	2426.45	-
18	RTE 61/67	531+00.00	541+62.80	RT	-	-	-	2241.80	-	2094.01	557.14	-
18	RTE 61/67	531+00.00	629+55.61	-	-	-	-	6849.90	-	6398.42	63984.20	-
18	RTE 61/67	531+00.00	564+44.12	LT	-	-	-	207.40	-	193.70	1936.98	-
20	RTE 61/67	542+54.56	544+91.64	RT	-	-	-	14.30	-	13.40	134.01	-
22	RTE 61/67	553+00.37	556+39.28	RT	-	-	-	34.70	-	32.45	324.55	-
23	RTE 61/67	558+30.57	564+79.68	RT	-	-	-	52.00	-	48.55	485.47	-
24	RTE 61/67	564+44.12	571+13.86	LT	507.25	-	54.30	54.30	218.68	50.72	-	-
24	RTE 61/67	564+79.68	579+50.49	RT	1383.90	-	148.15	148.20	596.61	138.39	-	-
27	RTE 61/67	579+50.49	583+31.35	RT	-	-	-	26.60	-	24.80	248.05	-
28	RTE 61/67	583+31.35	583+74.10	RT	-	38.20	-	-	-	-	-	-
31	RTE 61/67	599+58.71	627+91.97	LT	-	-	-	276.80	-	258.57	2585.72	-
32	RTE 61/67	601+83.90	628+21.96	RT	-	-	-	232.60	-	217.28	2172.82	-
38	RTE 61/67	631+72.97	679+20.83	-	-	-	-	4351.50	-	4064.76	40647.57	-
48	RTE 61/67	684+97.82	698+27.91	-	-	-	-	1556.40	-	1453.86	14538.56	-
48	RTE 61/67	684+97.31	688+42.66	RT	-	-	-	40.60	-	37.88	378.83	-
				SUBTOTAL	1891.14	38.20	202.46	18269.20	815.29	17065.08	168759.88	22.67
				PROJECT TOTAL	1891	38.2	202.5	18269.2	815.3	17065	168760	22.7

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
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 5 OF 14

QUANTITIES

US ROUTE 61/67
LEMAY FERRY ROAD

SIDEWALK (1 OF 3)

SHEET NO.	ROADWAY	STATION BEGIN	STATION END	SIDE	CONCRETE SIDEWALK 4.0" (SQYD)	CONCRETE SIDEWALK 7 IN. (SQYD)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	CONCRETE CURB RAMP (EA)							TRUNCATED DOMES (SF)	LINEAR GRADING CLASS 2, MODIFIED (STA)	REMARKS
								COMPUND PERPENDICULAR	TYPE 1 PARALLEL	TYPE 2 PARALLEL	TYPE 3 PARALLEL	SMALL RADIUS PERPENDICULAR	LARGE RADIUS PERPENDICULAR	BLENDED TRANSITION			
7	RTE 61/67	484+52.93	488+04.89	RT	190.0	-	190.0	-	-	-	-	-	-	-	-	3.5	-
8	RTE 61/67	485+08.04	487+97.13	LT	166.5	-	166.5	-	-	-	-	-	-	-	-	2.9	-
8	RTE 61/67	487+97.13	488+06.81	LT	-	-	6.2	-	-	-	-	1	-	-	-	0.1	-
8	RTE 61/67	488+04.89	488+15.20	RT	-	-	6.4	-	-	-	-	1	-	-	-	0.1	-
8	RTE 61/67	488+41.23	488+54.38	RT	-	-	6.8	-	-	-	-	1	-	-	-	0.1	-
8	RTE 61/67	488+40.12	488+49.81	LT	-	-	6.4	-	-	-	-	1	-	-	-	0.1	-
8	RTE 61/67	488+49.81	491+93.89	LT	195.6	-	195.6	-	-	-	-	-	-	-	-	3.4	-
8	RTE 61/67	488+54.38	491+05.06	RT	135.7	-	135.7	-	-	-	-	-	-	-	-	2.5	-
9	RTE 61/67	491+05.06	491+15.06	RT	-	-	6.4	-	-	-	-	1	-	-	-	0.1	-
9	RTE 61/67	491+38.50	491+48.50	RT	-	-	6.5	-	-	-	-	1	-	-	-	0.1	-
9	RTE 61/67	491+48.50	496+74.57	RT	292.3	-	292.3	-	-	-	-	-	-	-	-	5.3	-
9	RTE 61/67	491+93.89	492+03.89	LT	-	-	6.9	-	-	-	-	1	-	-	-	0.1	-
9	RTE 61/67	492+54.86	492+64.86	LT	-	-	6.7	-	-	-	-	1	-	-	-	0.1	-
9	RTE 61/67	492+64.86	496+83.72	LT	232.7	-	232.7	-	-	-	-	-	-	-	-	4.2	-
10	RTE 61/67	496+74.57	496+84.57	RT	-	-	7.6	-	-	-	-	-	1	-	-	0.1	-
10	RTE 61/67	496+83.72	496+93.72	LT	-	-	7.7	-	-	-	-	1	-	-	-	0.1	-
10	RTE 61/67	497+57.90	497+67.96	LT	-	-	7.4	-	-	-	-	1	-	-	-	0.1	-
10	RTE 61/67	497+67.96	500+95.58	LT	181.4	-	181.4	-	-	-	-	-	-	-	-	3.3	-
10	RTE 61/67	497+62.21	497+72.16	RT	-	-	7.5	-	-	-	-	-	1	-	-	0.1	-
10	RTE 61/67	497+72.16	497+81.88	RT	5.4	-	5.4	-	-	-	-	-	-	-	-	0.1	-
10	RTE 61/67	497+81.88	497+91.82	RT	-	-	6.7	-	-	-	-	1	-	-	-	0.1	-
10	RTE 61/67	498+36.54	498+46.49	RT	-	-	6.5	-	-	-	-	1	-	-	-	0.1	-
10	RTE 61/67	498+46.49	500+49.56	RT	115.3	-	115.3	-	-	-	-	-	-	-	-	2.0	-
11	RTE 61/67	500+49.56	500+59.83	RT	-	-	3.4	-	-	-	-	1	-	-	-	0.1	-
11	RTE 61/67	500+94.84	501+16.49	RT	-	-	12.1	-	-	-	-	1	-	-	-	0.2	-
11	RTE 61/67	500+95.58	501+05.62	LT	-	-	6.5	-	-	-	-	1	-	-	-	0.1	-
11	RTE 61/67	501+16.48	502+14.49	RT	65.7	-	65.7	-	-	-	-	-	-	-	-	1.0	-
11	RTE 61/67	501+28.79	501+38.83	LT	-	-	6.6	-	-	-	-	1	-	-	-	0.1	-
11	RTE 61/67	501+38.83	501+88.44	LT	27.4	-	27.4	-	-	-	-	-	-	-	-	0.5	-
11	RTE 61/67	501+88.44	501+98.48	LT	-	-	7.4	-	-	-	-	-	1	-	-	0.1	-
11	RTE 61/67	502+14.49	502+40.38	RT	-	-	14.0	-	-	-	-	1	-	-	-	0.3	-
11	RTE 61/67	502+69.99	502+80.03	LT	-	-	7.4	-	-	-	-	-	1	-	-	0.1	-
11	RTE 61/67	502+80.03	509+16.38	LT	355.4	-	355.4	-	-	-	-	-	-	-	-	6.4	-
11	RTE 61/67	502+92.97	503+23.84	RT	-	-	17.3	-	-	-	-	1	-	-	-	0.3	-
11	RTE 61/67	503+23.84	504+09.57	RT	57.4	-	57.4	-	-	-	-	-	-	-	-	0.9	-
11	RTE 61/67	504+09.57	504+35.51	RT	-	-	14.0	-	-	-	-	-	1	-	-	0.3	-
11	RTE 61/67	504+88.25	505+04.13	RT	-	-	7.2	-	-	-	-	-	1	-	-	0.2	-
11	RTE 61/67	505+04.13	505+31.98	RT	16.5	-	16.5	-	-	-	-	-	-	-	-	0.3	-
12	RTE 61/67	505+31.98	505+41.98	RT	-	-	6.9	-	-	-	-	1	-	-	-	0.1	-
12	RTE 61/67	505+83.86	505+93.86	RT	-	-	6.4	-	-	-	-	1	-	-	-	0.1	-
12	RTE 61/67	505+93.86	506+63.87	RT	43.9	-	43.9	-	-	-	-	-	-	-	-	0.7	-
13	RTE 61/67	509+19.58	509+33.49	RT	-	-	10.8	-	-	-	-	1	-	-	10	0.1	-
13	RTE 61/67	509+16.38	509+34.04	LT	-	-	18.0	-	-	-	-	1	-	-	10	0.2	-
13	RTE 61/67	509+49.11	509+62.82	RT	-	17.20	17.2	-	-	-	-	-	-	-	30	0.1	ISLAND MODIFICATION AND ADA PATH
13	RTE 61/67	510+35.66	510+59.33	RT	-	22.10	22.1	-	-	-	-	-	-	-	30	0.2	ISLAND MODIFICATION AND ADA PATH
13	RTE 61/67	510+35.97	510+57.76	LT	-	20.40	20.4	-	-	-	-	-	-	-	30	0.2	ISLAND MODIFICATION AND ADA PATH
13	RTE 61/67	509+44.85	509+67.99	LT	-	20.40	20.4	-	-	-	-	-	-	-	30	0.2	ISLAND MODIFICATION AND ADA PATH
13	RTE 61/67	510+65.42	510+88.30	LT	-	-	18.0	-	-	-	-	1	-	-	10	0.2	-
13	RTE 61/67	512+45.29	512+83.34	LT	29.1	-	29.1	-	-	-	-	-	-	-	-	0.4	-
13	RTE 61/67	512+77.20	512+88.81	RT	-	-	7.5	-	-	-	-	-	-	-	15	0.1	-
13	RTE 61/67	512+83.34	512+93.34	LT	-	-	6.4	-	-	-	-	1	-	-	-	0.1	-
14	RTE 61/67	513+27.60	513+38.19	LT	-	-	6.5	-	-	-	-	1	-	-	-	0.1	-
14	RTE 61/67	513+38.19	514+47.48	LT	60.1	-	60.1	-	-	-	-	-	-	-	-	1.1	-
14	RTE 61/67	514+47.48	514+57.76	LT	-	-	5.8	-	-	-	-	1	-	-	-	0.1	-
14	RTE 61/67	514+81.91	515+32.64	RT	32.8	-	32.8	-	-	-	-	-	-	-	-	0.5	-
14	RTE 61/67	514+90.87	515+01.17	LT	-	-	5.9	-	-	-	-	1	-	-	-	0.1	-
14	RTE 61/67	515+01.17	515+98.84	LT	53.1	-	53.1	-	-	-	-	-	-	-	-	1.0	-
14	RTE 61/67	515+32.64	515+45.51	RT	-	-	11.5	-	-	-	-	1	-	-	-	0.1	-
14	RTE 61/67	515+98.84	516+09.21	LT	-	-	12.3	-	-	-	-	-	-	1	-	0.1	ISLAND MODIFICATION AND ADA PATH
RAMP SUBTOTAL 1								0	0	0	0	28	6	1			
SUBTOTAL 1					2256.3	80.1	2644.0	35							165	45.3	

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STATE OF MISSOURI
BRIAN D. KIERATH JR. NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 6 OF 14

QUANTITIES

US ROUTE 61/67
LEMAY FERRY ROAD

SIDEWALK (2 OF 3)

SHEET NO.	ROADWAY	STATION BEGIN	STATION END	SIDE	CONCRETE SIDEWALK 4.0" (SQYD)	CONCRETE SIDEWALK 7 IN. (SQYD)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	CONCRETE CURB RAMP (EA)							TRUNCATED DOMES (SF)	LINEAR GRADING CLASS 2, MODIFIED (STA)	REMARKS
								COMPUND PERPENDICULAR	TYPE 1 PARALLEL	TYPE 2 PARALLEL	TYPE 3 PARALLEL	SMALL RADIUS PERPENDICULAR	LARGE RADIUS PERPENDICULAR	BLENDED TRANSITION			
14	RTE 61/67	516+09.11	516+14.31	LT	1.8	-	1.8	-	-	-	-	1	-	-	-	0.1	ISLAND MODIFICATION AND ADA PATH
14	RTE 61/67	516+10.21	516+20.03	RT	-	-	10.9	-	-	-	-	1	-	-	-	0.1	ISLAND MODIFICATION AND ADA PATH
14	RTE 61/67	516+20.03	517+69.24	RT	99.8	-	99.8	-	-	-	-	-	-	-	-	1.5	ISLAND MODIFICATION AND ADA PATH
14	RTE 61/67	516+25.10	516+44.01	LT	-	4.9	4.9	-	-	-	-	-	-	-	-	0.2	-
14	RTE 61/67	516+59.78	516+69.78	LT	-	-	6.5	-	-	-	-	1	-	-	-	0.1	-
14	RTE 61/67	516+69.78	517+78.00	LT	74.6	-	74.6	-	-	-	-	-	-	-	-	1.1	-
14	RTE 61/67	517+69.24	517+79.24	RT	-	-	12.2	-	-	-	-	-	-	-	24.0	0.1	-
14	RTE 61/67	517+78.00	517+85.11	LT	-	-	9.0	-	-	-	-	1	-	-	10.0	0.1	-
14	RTE 61/67	518+08.49	518+15.47	LT	-	3.6	3.6	-	-	-	-	-	-	-	20.0	0.1	-
14	RTE 61/67	518+35.39	518+45.39	LT	-	-	5.4	-	-	-	-	-	-	-	10.0	0.1	-
14	RTE 61/67	518+35.43	518+43.57	LT	5.9	-	5.9	-	-	-	-	-	-	-	-	0.1	-
14	RTE 61/67	518+35.27	518+45.27	RT	-	-	10.9	-	-	-	-	1	-	-	19.5	0.1	-
14	RTE 61/67	518+45.27	520+26.04	RT	120.5	-	120.5	-	-	-	-	-	-	-	-	1.8	-
15	RTE 61/67	520+26.04	520+36.04	RT	-	-	10.9	-	-	-	-	1	-	-	-	0.1	-
15	RTE 61/67	521+16.16	521+26.16	RT	-	-	10.9	-	-	-	-	1	-	-	-	0.1	-
15	RTE 61/67	521+26.16	521+58.58	RT	21.6	-	21.6	-	-	-	-	1	-	-	-	0.3	-
15	RTE 61/67	521+58.58	521+68.58	RT	-	-	10.9	-	-	-	-	1	-	-	-	0.1	-
15	RTE 61/67	522+38.27	522+51.99	RT	-	-	7.9	-	-	-	-	-	-	-	-	0.1	-
15	RTE 61/67	522+51.99	522+56.22	RT	2.8	-	2.8	-	-	-	-	-	-	-	-	0.0	-
15	RTE 61/67	522+56.22	522+77.97	RT	-	-	12.2	-	-	-	-	1	-	-	-	0.2	-
15	RTE 61/67	523+13.62	523+35.36	RT	-	-	12.2	-	-	-	-	1	-	-	-	0.2	-
15	RTE 61/67	523+35.36	523+81.59	RT	33.9	-	33.9	-	-	-	-	-	-	-	-	0.5	-
17	RTE 61/67	529+00.00	529+05.00	RT	12.6	-	12.6	-	-	-	-	-	1	-	-	0.1	-
17	RTE 61/67	529+00.00	529+05.27	RT	2.9	-	2.9	-	-	-	-	-	-	-	-	0.1	-
17	RTE 61/67	529+05.27	529+14.63	RT	-	-	2.9	-	-	-	-	-	1	-	17	0.1	-
17	RTE 61/67	529+77.27	529+96.07	RT	-	-	14.1	-	-	-	-	-	1	-	18	0.2	-
25	RTE 61/67	567+08.88	570+72.05	RT	195.6	-	226.1	-	-	-	-	1	1	-	27.5	3.6	-
27	RTE 61/67	577+88.61	582+70.02	LT	208.9	-	239.8	-	-	-	-	-	2	-	18.9	4.8	-
28	RTE 61/67	583+20.40	587+54.06	RT	246.9	-	274.3	-	-	-	-	1	1	-	20.5	4.3	-
28	RTE 61/67	583+42.68	585+38.52	LT	94.6	-	125.8	-	-	-	-	-	2	-	-	2.0	-
29	RTE 61/67	585+89.63	590+62.53	LT	324.8	-	354.6	-	-	-	-	-	2	-	-	4.7	-
29	RTE 61/67	588+13.11	588+55.25	RT	-	-	21.6	-	-	-	-	-	2	-	-	0.4	-
29	RTE 61/67	589+16.08	589+56.04	RT	-	-	31.2	-	-	-	-	-	1	-	38.6	0.4	-
29	RTE 61/67	589+94.45	591+51.45	RT	85.4	-	107.7	-	-	-	-	2	-	-	14.1	1.6	-
30	RTE 61/67	591+01.24	592+52.38	LT	67.3	-	96.5	-	-	-	-	-	2	-	-	1.5	-
30	RTE 61/67	591+83.02	593+63.11	RT	89.1	-	119.9	-	-	-	1	-	1	-	10.0	1.8	-
30	RTE 61/67	593+04.07	593+09.35	LT	3.4	-	3.4	-	-	-	-	-	-	-	-	0.1	-
30	RTE 61/67	593+29.18	593+36.36	LT	3.5	-	3.5	-	-	-	-	-	-	-	-	0.1	-
30	RTE 61/67	593+47.41	593+62.18	LT	-	-	10.3	-	-	-	1	-	-	-	10.1	0.1	-
30	RTE 61/67	593+68.83	593+83.12	RT	-	7.9	7.9	-	-	-	-	-	-	-	20.2	0.1	-
30	RTE 61/67	593+72.11	593+84.14	LT	-	5.6	5.6	-	-	-	-	-	-	-	19.9	0.1	-
30	RTE 61/67	594+26.23	594+38.14	RT	-	9.2	9.2	-	-	-	-	-	-	-	30.0	0.1	-
30	RTE 61/67	594+48.54	594+98.96	RT	37.9	-	61.0	1	-	-	-	-	-	-	10.2	0.5	-
31	RTE 61/67	597+49.90	597+74.36	LT	-	-	14.4	-	-	-	-	-	1	-	-	0.2	-
31	RTE 61/67	597+87.95	598+45.88	LT	3.2	-	33.7	-	-	-	-	-	2	-	-	0.6	-
31	RTE 61/67	598+73.35	599+64.49	LT	25.7	-	60.7	-	-	-	-	1	1	-	12.0	0.9	-
32	RTE 61/67	600+19.86	602+05.94	RT	78.0	-	111.8	-	-	-	-	-	2	-	-	1.9	-
33	RTE 61/67	606+41.20	606+47.12	LT	-	-	7.3	-	-	-	-	1	-	-	13.9	0.1	-
33	RTE 61/67	606+88.48	606+99.93	LT	-	-	8.5	-	-	1	-	-	-	-	15.8	0.1	-
35	RTE 61/67	616+42.42	616+52.45	LT	-	-	6.4	-	-	1	-	-	-	-	11.3	0.1	-
42	RTE 61/67	650+65.58	651+12.96	LT	-	-	25.7	-	-	-	-	-	2	-	-	0.5	-
42	RTE 61/67	651+93.70	653+33.00	LT	51.5	-	86.8	-	-	-	-	-	2	-	27.8	1.4	-
42	RTE 61/67	653+81.30	656+19.70	LT	111.9	-	151.4	-	-	-	-	-	2	-	33.0	2.4	-
42	RTE 61/67	654+19.58	657+43.24	RT	186.2	-	217.1	-	-	1	-	-	1	-	11.5	3.2	-
43	RTE 61/67	656+80.35	658+32.75	LT	55.5	-	103.4	-	-	-	-	-	2	-	25.8	1.5	-
43	RTE 61/67	658+95.06	660+34.07	LT	44.1	-	78.3	-	-	-	-	-	2	-	-	1.4	-
				RAMP SUBTOTAL 2				1	0	3	2	17	34	0			
				SUBTOTAL 2	2289.9	31.2	3125.7	57							490	48.1	

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
BRIAN D. KIERATH JR. NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025
ROUTE: 61/67
STATE: MO
DISTRICT: SL
SHEET NO.: 3
COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SHEET 7 OF 14

QUANTITIES

US ROUTE 61/67
LEMAY FERRY ROAD

SIDEWALK (3 OF 3)

SHEET NO.	ROADWAY	STATION BEGIN	STATION END	SIDE	CONCRETE SIDEWALK 4.0" (SQYD)	CONCRETE SIDEWALK 7 IN. (SQYD)	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	CONCRETE CURB RAMP (EA)							TRUNCATED DOMES (SF)	LINEAR GRADING CLASS 2, MODIFIED (STA)	REMARKS
								COMPUND PERPENDICULAR	TYPE 1 PARALLEL	TYPE 2 PARALLEL	TYPE 3 PARALLEL	SMALL RADIUS PERPENDICULAR	LARGE RADIUS PERPENDICULAR	BLENDED TRANSITION			
44	RTE 61/67	660+78.74	662+50.70	LT	74.2	-	106.2	-	-	-	-	-	2	-	-	1.7	
44	RTE 61/67	662+88.72	663+26.95	LT	4.3	-	21.6	-	-	-	-	-	1	-	-	0.4	
44	RTE 61/67	663+93.31	664+12.81	RT	-	12.8	12.8	-	-	-	-	-	-	-	31.2	0.2	
44	RTE 61/67	664+70.97	664+89.35	RT	-	11.9	11.9	-	-	-	-	-	-	-	22.3	0.2	
46	RTE 61/67	672+09.36	673+84.54	RT	93.1	-	101.8	-	-	-	-	-	1	-	-	1.8	
46	RTE 61/67	674+30.19	674+52.39	RT	-	14.4	14.4	-	-	-	-	-	-	0.0	30.1	RTE 61/67	
47	RTE 61/67	675+07.51	675+73.90	LT	28.2	-	35.0	-	-	-	-	1	-	-	-	0.7	
47	RTE 61/67	675+19.42	675+33.20	RT	-	9.0	9.0	-	-	-	-	-	-	-	21.5	0.1	
46	RTE 61/67	674+24.50	676+52.01	LT	-	-	13.5	-	-	-	-	2	-	-	-	2.3	
47	RTE 61/67	676+62.60	677+86.01	LT	50.8	-	61.7	-	-	-	-	-	2	-	-	1.2	
47	RTE 61/67	678+15.42	679+20.00	LT	61.7	-	68.5	-	-	-	-	-	1	-	-	1.0	
49	RTE 61/67	689+62.14	689+84.83	LT	-	18.0	18.0	-	-	-	-	-	-	-	31.9	0.2	
50	RTE 61/67	690+13.13	690+27.85	RT	-	-	10.6	-	-	-	1	-	-	-	15.6	0.1	
50	RTE 61/67	690+43.81	690+62.70	LT	-	13.1	13.1	-	-	-	-	-	-	-	22.1	0.2	
50	RTE 61/67	691+06.65	691+12.94	LT	2.9	-	2.9	-	-	-	-	-	-	-	-	0.1	
50	RTE 61/67	691+95.61	692+75.62	RT	52.7	-	60.2	-	-	-	-	-	1	-	-	0.8	
50	RTE 61/67	693+00.42	693+70.06	RT	29.1	-	44.2	-	-	-	-	-	2	-	-	0.7	
50	RTE 61/67	693+86.47	694+26.38	RT	-	-	23.3	-	-	-	-	-	2	-	-	0.4	
50	RTE 61/67	694+46.98	694+89.37	RT	-	-	22.0	-	-	-	-	2	-	-	-	0.4	
51	RTE 61/67	695+19.41	696+27.44	RT	49.8	-	58.1	-	-	-	-	2	-	-	-	1.1	
51	RTE 61/67	695+69.15	696+20.03	LT	19.7	-	27.2	-	-	-	-	2	-	-	-	0.5	
51	RTE 61/67	695+20.28	695+41.96	LT	-	-	11.4	-	-	-	-	1	-	-	-	0.2	
51	RTE 61/67	696+51.69	698+53.66	LT	107.8	-	116.8	-	-	-	-	2	-	-	-	2.0	
51	RTE 61/67	696+61.48	698+72.86	RT	110.8	-	117.9	-	-	-	-	2	-	-	-	2.1	
				RAMP SUBTOTAL 3	-	-	-	0	0	0	1	14	12	0	-	-	
				SUBTOTAL 3	685.1	79.2	982.1	27							175	18.8	
				SUBTOTAL 1	2256.3	80.1	2644.0	35							176	45.3	
				SUBTOTAL 2	2289.9	31.2	3125.7	57							512	48.1	
				PAVED APPROACH SUBTOTAL	-	-	5245.3	-							-	30.6	
				CONCRETE MEDIAN STRIP SUBTOTAL	-	-	242.3	-							-	-	
				PROJECT TOTAL	5231.3	190.5	12207	119							829	142.8	

DRAINAGE

SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	CLASS 3 EXACAVATION (CUYD)	CULVERT CLEANOUT (EACH)	LINEAR GRADING CLASS 1 (STA.)	FURNISHING TYPE 2 ROCK DITCH LINER (CUYD)	PLACING TYPE 2 ROCK DITCH LINER (CUYD)	PERMANENT EROSION CONTROL GEOTEXTILE (SQYD)	12 IN. PIPE GROUP A (LF)	12 IN. OR ALLOWABLE SUBSTITUTE GROUP A FLARED END SECTION (EACH)
15	RTE 61/67	519+75.00	520+37.00	RT	-	-	6.23	-	-	-	-	1
15	RTE 61/67	520+37.00	521+11.00	RT	41.01	-	-	-	-	-	74	1
15	RTE 61/67	521+11.00	521+75.00	RT	-	-	6.36	-	-	-	-	-
15	RTE 61/67	521+75.00	522+58.00	RT	42.51	-	-	-	-	-	84	2
27	RTE 61/67	578+13.00	582+68.00	RT	-	-	-	210.65	210.65	631.94	-	-
28	RTE 61/67	582+36.00	582+71.00	RT	-	1	-	-	-	-	-	-
				SUBTOTAL	83.51	1	12.59	210.65	210.65	631.94	158	4
				PROJECT TOTAL	84	1	12.6	211	211	632	158	4

CONCRETE MEDIAN STRIP

SHEET NO.	ROADWAY	STATION BEGIN	STATION END	SIDE	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) (SQYD)	CONCRETE MEDIAN STRIP 6 IN. (SQYD)	18 IN. WHITE ISLAND TUBULAR MARKER (EA)	CURB REFLECTORS (EA)	REMARKS
13	RTE 61/67	509+49.11	509+62.82	RT	5.54	5.54	1	3	SE BAUMGARTNER ISLAND
13	RTE 61/67	510+35.66	510+59.33	RT	10.41	10.41	1	3	NE BAUMGARTNER ISLAND
13	RTE 61/67	510+35.97	510+57.76	LT	15.91	15.91	3	3	NW BAUMGARTNER ISLAND
13	RTE 61/67	509+44.85	509+67.99	LT	14.62	14.62	1	3	SW BAUMGARTNER ISLAND
14	RTE 61/67	516+25.10	516+44.01	LT	23.95	23.95	-	13	ISLAND MODIFICATION
14	RTE 61/67	517+61.70	517+62.70	LT	0.20	0.20	-	-	PERMANENT CONCRETE TRAFFIC BARRIER
14	RTE 61/67	518+08.49	518+15.47	LT	5.63	5.63	-	5	ISLAND MODIFICATION
30	RTE 61/67	593+54.32	593+85.60	LT	31.72	31.72	3	5	SW BUTLER HILL ISLAND
30	RTE 61/67	593+59.65	593+83.03	RT	24.59	24.59	3	4	SE BUTLER HILL ISLAND
30	RTE 61/67	594+26.24	594+43.57	RT	14.43	14.43	2	8	NE BUTLER HILL ISLAND
46	RTE 61/67	671+58.22	671+93.81	RT	42.27	42.27	7	8	WALGREENS ENTRANCE
46	RTE 61/67	674+28.76	674+32.73	LT	53.07	53.07	3	12	REPLACE CURB ISLAND ON I-270 RAMP
				SUBTOTAL	242.33	242.33	24	67	
				PROJECT TOTAL	*	242.3	24	67	

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MOBILIZATION	
TOTAL	1 LUMP SUM

MODOT ITS ASSETS RELOCATION	
TOTAL	1,000 LF

CONTRACTOR FURNISHED SURVEYING AND STAKING	
TOTAL	1 LUMP SUM

REMOVE AND RELOCATE EXISTING GROUND MOUNT SIGN

SHEET NO.	ROADWAY	STATION	LOCATION	REMOVE AND RELOCATING EXISTING GROUND MOUNT SIGN (EA)	REMARKS
8	RTE 61/67	488+08.43	LT	1	STOP SIGN
8	RTE 61/67	489+38.50	LT	1	SPEED LIMIT 45
12	RTE 61/67	505+12.92	RT	1	NO PARKING
25	RTE 61/67	567+31.71	RT	1	MAILBOX
25	RTE 61/67	567+50.23	RT	1	EXISTING SIGN
25	RTE 61/67	567+58.20	RT	1	EXISTING SIGN
30	RTE 61/67	594+76.90	RT	1	EXISTING SIGN
32	RTE 61/67	601+73.94	RT	1	EXISTING SIGN
43	RTE 61/67	657+84.31	LT	1	EXISTING SIGN
46	RTE 61/67	674+30	LT	1	EXISTING MEDIAN SIGN
PROJECT TOTAL				10	

SHEET 8 OF 14

QUANTITIES

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

TEMPORARY EROSION CONTROL (1 OF 3)

SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	SILT FENCE (L.F.)	CURB INLET CHECK (EACH)	SEDIMENT REMOVAL (CUYD)	REMARKS
7	RTE 61/67	484+52.94	506+63.87	RT	2210.93	0	22.1	
8	RTE 61/67	485+08.04	509+34.04	LT	2426.00	0	24.3	
13	RTE 61/67	509+44.81	-	RT	0	1	1.0	
13	RTE 61/67	511+02.19	-	RT	0	1	1.0	
13	RTE 61/67	512+45.29	518+45.39	LT	600	0	6.0	
13	RTE 61/67	512+54.90	-	RT	0	1	1.0	
14	RTE 61/67	514+71.87	-	RT	0	1	1.0	
14	RTE 61/67	514+83.60	-	RT	0	1	1.0	
14	RTE 61/67	514+81.69	523+81.59	RT	900	0	9.0	
14	RTE 61/67	515+70.39	-	LT	0	1	1.0	
15	RTE 61/67	518+81.66	-	LT	0	1	1.0	
17	RTE 61/67	529+00.00	529+15.08	RT	15	0	0.2	
17	RTE 61/67	529+74.12	530+04.87	RT	31	0	0.3	
18	RTE 61/67	532+85.23	-	LT	0	1	1.0	
18	RTE 61/67	533+44.36	-	LT	0	1	1.0	
19	RTE 61/67	539+75.12	-	RT	0	1	1.0	
20	RTE 61/67	540+10.12	-	LT	0	1	1.0	
21	RTE 61/67	546+88.28	-	LT	0	1	1.0	
22	RTE 61/67	550+56.83	-	LT	0	1	1.0	
22	RTE 61/67	551+66.23	-	LT	0	1	1.0	
22	RTE 61/67	551+71.79	-	LT	0	1	1.0	
24	RTE 61/67	560+25.45	-	RT	0	1	1.0	
25	RTE 61/67	566+74.36	-	RT	0	1	1.0	
25	RTE 61/67	567+08.88	570+72.05	RT	363	0	3.6	
26	RTE 61/67	572+46.75	-	LT	0	1	1.0	
27	RTE 61/67	577+88.61	582+70.02	LT	481	0	4.8	
27	RTE 61/67	579+00.75	-	RT	0	1	1.0	
27	RTE 61/67	579+15.36	-	LT	0	1	1.0	
28	RTE 61/67	582+70.96	-	RT	0	1	1.0	
28	RTE 61/67	583+20.40	587+54.06	RT	434	0	4.3	
28	RTE 61/67	583+42.68	585+38.52	LT	196	0	2.0	
28	RTE 61/67	583+61.71	-	RT	0	1	1.0	
28	RTE 61/67	583+78.39	-	RT	0	1	1.0	
28	RTE 61/67	584+13.56	-	RT	0	1	1.0	
28	RTE 61/67	584+85.39	-	RT	0	1	1.0	
29	RTE 61/67	585+89.63	590+62.53	LT	473	0	4.7	
29	RTE 61/67	586+34.09	-	RT	0	1	1.0	
29	RTE 61/67	587+40.10	-	RT	0	1	1.0	
29	RTE 61/67	587+84.26	-	LT	0	1	1.0	
29	RTE 61/67	588+07.23	-	RT	0	1	1.0	
29	RTE 61/67	588+12.90	588+55.50	RT	43	0	0.4	
29	RTE 61/67	589+09.07	-	LT	0	1	1.0	
29	RTE 61/67	589+16.06	589+56.04	RT	40	0	0.4	
29	RTE 61/67	589+62.95	-	RT	0	1	1.0	
29	RTE 61/67	589+83.26	-	LT	0	1	1.0	
29	RTE 61/67	589+94.07	591+51.56	RT	157	0	1.6	
30	RTE 61/67	590+33.60	-	LT	0	1	1.0	
30	RTE 61/67	590+49.05	-	LT	0	1	1.0	
30	RTE 61/67	591+01.24	593+62.18	LT	261	0	2.6	
30	RTE 61/67	591+13.62	-	LT	0	1	1.0	
30	RTE 61/67	591+28.82	-	LT	0	0	0.0	
30	RTE 61/67	591+43.20	-	LT	0	1	1.0	
30	RTE 61/67	591+54.52	-	RT	0	1	1.0	
30	RTE 61/67	591+77.08	-	RT	0	1	1.0	
30	RTE 61/67	591+82.86	593+63.47	RT	181	0	1.8	
30	RTE 61/67	592+22.07	-	RT	0	1	1.0	
30	RTE 61/67	594+48.41	594+99.38	RT	51	0	0.5	
30	RTE 61/67	594+41.52	594+72.53	LT	31	0	0.3	
31	RTE 61/67	596+49.23	596+88.63	LT	39	0	0.4	
31	RTE 61/67	596+73.11	-	LT	0	0	0.0	
31	RTE 61/67	597+20.72	597+74.57	LT	54	0	0.5	
31	RTE 61/67	597+54.01	-	LT	0	1	1.0	
31	RTE 61/67	597+85.78	-	RT	0	1	1.0	
				SUBTOTAL 1	8987	41	131.9	

TEMPORARY EROSION CONTROL (2 OF 3)

SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	SILT FENCE (L.F.)	CURB INLET CHECK (EACH)	SEDIMENT REMOVAL (CUYD)	REMARKS
31	RTE 61/67	597+94.80	-	RT	0	1	1.0	
31	RTE 61/67	597+87.60	598+46.19	LT	59	0	0.6	
31	RTE 61/67	598+29.65	-	LT	0	1	1.0	
31	RTE 61/67	598+48.60	-	RT	0	1	1.0	
31	RTE 61/67	598+73.35	599+64.49	LT	91	0	0.9	
31	RTE 61/67	598+89.07	-	LT	0	1	1.0	
31	RTE 61/67	599+54.44	-	LT	0	1	1.0	
31	RTE 61/67	599+60.24	-	RT	0	1	1.0	
32	RTE 61/67	600+04.89	-	RT	0	1	1.0	
32	RTE 61/67	600+19.15	602+05.94	RT	187	0	1.9	
32	RTE 61/67	601+52.17	-	RT	0	1	1.0	
32	RTE 61/67	601+80.00	-	RT	0	1	1.0	
32	RTE 61/67	604+38.84	-	RT	0	1	1.0	
33	RTE 61/67	605+26.09	-	RT	0	2	2.0	
33	RTE 61/67	606+07.08	-	LT	0	1	1.0	
33	RTE 61/67	606+36.66	-	RT	0	1	1.0	
33	RTE 61/67	606+40.63	-	LT	15	0	0.2	
33	RTE 61/67	606+88.07	-	LT	15	0	0.2	
33	RTE 61/67	607+50.63	-	RT	0	1	1.0	
33	RTE 61/67	609+22.56	-	LT	0	1	1.0	
34	RTE 61/67	610+23.35	-	RT	0	1	1.0	
34	RTE 61/67	612+09.89	-	RT	0	1	1.0	
34	RTE 61/67	614+18.47	-	RT	0	1	1.0	
35	RTE 61/67	616+26.58	-	RT	0	1	1.0	
35	RTE 61/67	616+41.78	-	RT	12	0	0.1	
35	RTE 61/67	617+23.67	-	RT	0	1	1.0	
35	RTE 61/67	619+53.39	-	LT	0	1	1.0	
36	RTE 61/67	620+49.19	-	RT	0	1	1.0	
36	RTE 61/67	621+09.73	-	LT	0	1	1.0	
36	RTE 61/67	623+39.68	-	RT	0	1	1.0	
36	RTE 61/67	624+40.90	-	RT	0	1	1.0	
37	RTE 61/67	625+42.69	-	RT	0	1	1.0	
37	RTE 61/67	627+13.76	-	RT	0	1	1.0	
37	RTE 61/67	628+09.78	-	RT	0	1	1.0	
37	RTE 61/67	629+69.81	-	LT	0	1	1.0	
37	RTE 61/67	629+74.86	-	RT	0	1	1.0	
38	RTE 61/67	631+55.04	-	LT	0	1	1.0	
38	RTE 61/67	631+55.95	-	RT	0	1	1.0	
38	RTE 61/67	632+34.49	-	LT	0	2	2.0	
38	RTE 61/67	633+44.52	-	LT	0	1	1.0	
39	RTE 61/67	635+89.63	-	LT	0	1	1.0	
39	RTE 61/67	637+36.11	-	RT	0	1	1.0	
40	RTE 61/67	642+30.67	-	RT	0	1	1.0	
40	RTE 61/67	642+51.23	-	LT	0	1	1.0	
40	RTE 61/67	643+86.64	-	RT	0	1	1.0	
40	RTE 61/67	644+71.82	-	RT	0	1	1.0	
42	RTE 61/67	650+06.14	653+14.42	RT	308	0	3.1	
42	RTE 61/67	650+58.56	-	RT	0	1	1.0	
42	RTE 61/67	650+65.52	651+12.99	LT	47	0	0.5	
42	RTE 61/67	651+49.64	651+57.54	LT	8	0	0.1	
42	RTE 61/67	651+55.12	-	LT	0	1	1.0	
42	RTE 61/67	651+93.70	653+32.92	LT	139	0	1.4	
42	RTE 61/67	653+81.29	656+19.70	LT	238	0	2.4	
42	RTE 61/67	654+08.30	657+43.69	RT	335	0	3.4	
42	RTE 61/67	654+30.84	-	RT	0	1	1.0	
43	RTE 61/67	656+80.35	658+34.43	LT	154	0	1.5	
43	RTE 61/67	658+12.11	-	RT	0	1	1.0	
43	RTE 61/67	658+95.06	660+34.07	LT	139	0	1.4	
44	RTE 61/67	660+78.74	662+50.70	LT	172	0	1.7	
44	RTE 61/67	661+75.02	-	RT	0	1	1.0	
44	RTE 61/67	662+99.02	663+26.87	LT	28	0	0.3	
44	RTE 61/67	664+01.44	-	RT	0	2	2.0	
44	RTE 61/67	664+20.47	-	LT	0	1	1.0	
				SUBTOTAL 2	1948	50	69.5	

DISCLAIMER
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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

REV.

SHEET 9 OF 14

QUANTITIES

US ROUTE 61/67
LEMAY FERRY ROAD

TEMPORARY EROSION CONTROL (3 OF 3)

SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	SILT FENCE (L.F.)	CURB INLET CHECK (EACH)	SEDIMENT REMOVAL (CUYD)	REMARKS
44	RTE 61/67	664+56.06	-	RT	0	1	1.0	
44	RTE 61/67	664+98.93	-	LT	0	1	1.0	
45	RTE 61/67	665+59.73	-	RT	0	1	1.0	
45	RTE 61/67	668+30.18	-	RT	0	1	1.0	
45	RTE 61/67	669+36.24	-	RT	0	1	1.0	
46	RTE 61/67	672+07.30	-	LT	0	1	1.0	
46	RTE 61/67	672+08.57	673+82.50	RT	174	0	1.7	
46	RTE 61/67	672+10.37	-	RT	0	1	1.0	
46	RTE 61/67	674+01.33	-	LT	0	1	1.0	
47	RTE 61/67	675+07.44	675+74.30	LT	67	0	0.7	
47	RTE 61/67	675+40.97	-	RT	0	1	1.0	
47	RTE 61/67	675+45.62	-	LT	0	1	1.0	
47	RTE 61/67	675+52.64	-	RT	0	1	1.0	
47	RTE 61/67	676+01.28	-	RT	0	1	1.0	
47	RTE 61/67	676+24.09	676+52	LT	28	0	0.3	
47	RTE 61/67	676+62.55	677+86	LT	123	0	1.2	
47	RTE 61/67	678+15.36	679+20	LT	105	0	1.0	
47	RTE 61/67	679+03.04	-	RT	0	1	1.0	
48	RTE 61/67	684+66.79	-	LT	0	1	1.0	
49	RTE 61/67	689+84.81	-	RT	0	1	1.0	
50	RTE 61/67	690+28.57	-	RT	0	1	1.0	
50	RTE 61/67	690+77.27	-	RT	0	1	1.0	
50	RTE 61/67	691+06.65	691+12.94	LT	6	0	0.1	
50	RTE 61/67	691+55.14	-	LT	0	1	1.0	
50	RTE 61/67	692+17.48	-	RT	0	1	1.0	
50	RTE 61/67	691+95.61	692+75.62	RT	0	1	1.0	
50	RTE 61/67	692+17.37	-	RT	0	1	1.0	
50	RTE 61/67	692+96.97	-	LT	0	1	1.0	
50	RTE 61/67	692+98.83	-	RT	0	1	1.0	
50	RTE 61/67	693+00.01	693+70.36	RT	70	0	0.7	
50	RTE 61/67	693+85.25	694+26.38	RT	41	0	0.4	
50	RTE 61/67	693+92.97	-	RT	0	1	1.0	
50	RTE 61/67	694+46.98	694+89.37	RT	42	0	0.4	
50	RTE 61/67	694+49.41	-	RT	0	1	1.0	
50	RTE 61/67	694+85.72	-	LT	0	1	1.0	
51	RTE 61/67	695+19.41	696+27.44	RT	108	0	1.1	
51	RTE 61/67	695+20.28	695+41.96	LT	22	0	0.2	
51	RTE 61/67	695+68.99	696+20.08	LT	51	0	0.5	
51	RTE 61/67	695+97.75	-	LT	0	1	1.0	
51	RTE 61/67	696+02.61	-	RT	0	1	1.0	
51	RTE 61/67	696+51.69	698+53.66	LT	202	0	2.0	
51	RTE 61/67	696+61.48	698+73.15	RT	212	0	2.1	
52	RTE 61/67	700+46.83	-	LT	0	1	1.0	
52	RTE 61/67	700+47.54	-	RT	0	1	1.0	
52	RTE 61/67	703+05.68	-	LT	0	1	1.0	
52	RTE 61/67	704+21.58	-	RT	0	1	1.0	
52	RTE 61/67	704+21.07	-	LT	0	1	1.0	
52	RTE 61/67	705+84.60	-	LT	0	1	1.0	
52	RTE 61/67	7006+09.49	-	RT	0	1	1.0	
				SUBTOTAL 3	1251	35	47.5	
				SUBTOTAL 1	8987	41	130.9	
				SUBTOTAL 2	1948	50	69.5	
				PROJECT TOTAL	12186	126	248	

SODDING

SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	TURF TYPE TAKK FESCUE SODDING (SQYD)	REMARKS
7	RTE 61/67	484+52.95	488+20.24	RT	75.3	
8	RTE 61/67	485+08.10	488+11.98	LT	79.7	
8	RTE 61/67	488+30.25	492+12.11	LT	286.9	
8	RTE 61/67	488+32.55	491+18.89	RT	165.4	
9	RTE 61/67	491+34.76	497+04.40	RT	441.8	
9	RTE 61/67	492+41.83	497+12.28	LT	627.9	
10	RTE 61/67	497+41.57	501+11.53	LT	499.5	
10	RTE 61/67	497+43.03	497+97.88	RT	68.0	
10	RTE 61/67	498+31.85	500+66.07	RT	254.7	
11	RTE 61/67	500+92.10	502+48.32	RT	74.3	
11	RTE 61/67	501+22.88	502+14.89	LT	184.6	
11	RTE 61/67	502+53.36	509+35.04	LT	678.2	
11	RTE 61/67	502+84.01	504+43.61	RT	56.3	
11	RTE 61/67	504+80.18	505+48.94	RT	28.2	
12	RTE 61/67	505+78.97	506+63.87	RT	98.1	
13	RTE 61/67	509+18.87	509+40.36	RT	56.3	
13	RTE 61/67	510+60.10	510+88.30	LT	28.2	
13	RTE 61/67	512+43.97	512+96.29	LT	33.1	
14	RTE 61/67	513+26.18	514+58.03	LT	113.6	
14	RTE 61/67	514+80.90	515+52.39	RT	31.3	
14	RTE 61/67	514+89.11	516+09.48	LT	151.2	
14	RTE 61/67	516+00.76	517+93.56	RT	60.3	
14	RTE 61/67	516+49.92	516+95.00	LT	47.6	
14	RTE 61/67	516+24.96	516+44.40	LT	23.9	
14	RTE 61/67	517+61.70	517+85.91	LT	20.3	
14	RTE 61/67	518+25.55	520+45.54	RT	113.2	
14	RTE 61/67	518+32.73	518+57.10	LT	22.5	
15	RTE 61/67	521+06.66	521+78.08	RT	18.1	
15	RTE 61/67	522+33.62	522+82.59	RT	50.2	
15	RTE 61/67	523+08.60	523+81.51	RT	86.8	
17	RTE 61/67	528+95.03	529+18.85	RT	17.2	
17	RTE 61/67	529+20.20	529+25.21	RT	3.2	
17	RTE 61/67	529+73.42	529+96.07	RT	13.1	
25	RTE 61/67	567+05.64	570+71.82	RT	114.3	
28	RTE 61/67	583+16.86	284+22.44	RT	41.7	
29	RTE 61/67	585+63.15	586+67.65	RT	22.4	
29	RTE 61/67	589+15.36	589+51.76	RT	12.5	
30	RTE 61/67	590+00.00	591+51.60	RT	52.3	
30	RTE 61/67	591+82.63	593+58.78	RT	48.4	
30	RTE 61/67	594+53.92	594+99.38	RT	32.9	
30	RTE 61/67	594+37.00	594+98.80	LT	26.2	
31	RTE 61/67	595+80.58	596+00.00	LT	6.2	
31	RTE 61/67	596+48.35	596+54.41	LT	1.5	
31	RTE 61/67	596+79.33	597+75.24	LT	30.2	
31	RTE 61/67	597+86.69	598+47.88	LT	28.7	
31	RTE 61/67	598+78.36	599+48.45	LT	11.8	
32	RTE 61/67	600+19.11	602+12.66	RT	38.9	
42	RTE 61/67	650+64.32	651+21.26	LT	35.7	
42	RTE 61/67	651+48.36	651+57.54	LT	2.8	
42	RTE 61/67	651+90.00	653+40.02	LT	100.3	
42	RTE 61/67	653+73.23	656+34.96	LT	264.0	
42	RTE 61/67	654+49.47	655+72.07	RT	17.5	
43	RTE 61/67	657+18.31	657+48.54	RT	8.5	
43	RTE 61/67	659+15.59	660+44.96	LT	46.4	
44	RTE 61/67	660+72.12	662+34.17	LT	224.0	
44	RTE 61/67	662+80.17	663+42.91	LT	24.6	
46	RTE 61/67	671+94.26	674+00.08	RT	121.7	
47	RTE 61/67	676+24.09	676+52.08	LT	9.8	
47	RTE 61/67	676+62.28	676+75.00	LT	4.8	
47	RTE 61/67	677+74.30	677+88.34	LT	5.4	
47	RTE 61/67	678+15.15	679+19.86	LT	31.4	
50	RTE 61/67	691+94.22	692+76.38	RT	68.4	
50	RTE 61/67	692+99.79	693+69.84	RT	33.8	
50	RTE 61/67	693+00.44	694+27.99	RT	35.1	
50	RTE 61/67	693+83.65	694+92.75	RT	18.6	
51	RTE 61/67	695+20.30	695+42.64	LT	10.0	
51	RTE 61/67	695+67.97	696+19.47	LT	19.5	
				SUBTOTAL	6059.3	
				PROJECT TOTAL	6059	

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

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

REV.

SHEET 10 OF 14

QUANTITIES

US ROUTE 61/67
LEMAY FERRY ROAD

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						BE PREPARED TO STOP
WO3-5	48X48	16.00	2	32.00				SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00	2	32.00				MERGE (LEFT)
WO4-1aR	48X48	16.00	2	32.00				MERGE (RIGHT)
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00						UNEVEN LANES
WO8-12	48X48	16.00						NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	14	224.00				ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00						ROAD CLOSED AHEAD
WO20-4	48X48	16.00						ONE LANE ROAD AHEAD
WO20-5	48X48	16.00	2	32.00				RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00	2	32.00				RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00						FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	2	32.00				SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19						WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	2	20.00				ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	2	16.00				END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	2	12.00				WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT)
MO4-9R	48X36	12.00						DETOUR (RIGHT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI.	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R2-1	36X48	12.00	2	24.00				SPEED LIMIT 35
R2-1	36X48	12.00	2	24.00				SPEED LIMIT 45
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00	4	8.00				SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45^ ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00	2	64.00				POINT OF PRESENCE
CONST-8	48X36	12.00	2	24.00				WORK ZONE NO PHONE ZONE

616-10.05 CONSTRUCTION SIGNS	TOTAL	608.00
616-10.10 RELOCATED SIGNS**	TOTAL	

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.

ITEM NUMBER	TOTAL QTY	EFFECTIVE: 07-01-2025 DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6122040		WORK ZONE CRASH CUSHION (NARROW)
6122041		WORK ZONE CRASH CUSHION (RELOCATION)
6123001	1***	TRUCK MOUNTED ATTENUATOR (TMA)
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161020		CHANNELIZER (DRUM-LIKE)
6161022		CHANNELIZER (CONE)
6161025	258	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030	32	TYPE 3 MOVEABLE BARRICADE
6161033	27	DIRECTION INDICATOR BARRICADE
6161040	2	FLASHING ARROW PANEL
6161047		TYPE 3 OBJECT MARKER
6161055	27	SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A		CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099	2*	CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED
6173700B		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED
6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED
6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS
6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

ALL TRAFFIC CONTROL ITEMS ARE INCLUDED IN THE ITEM NO. 6169901, TEMPORARY TRAFFIC CONTROL, LUMP SUM UNLESS OTHERWISE NOTED.

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

** NO DIRECT PAY WILL BE MADE FOR RELOCATING TEMPORARY TRAFFIC CONTROL SIGNS OR DEVICES

*** PAYMENT FOR TMAS REQUIRED FOR STATIONARY WORK WILL BE PAID FOR AT THE CONTRACT UNIT BID PRICE FOR ITEM 612-30.01 PER LUMP SUM.

SHEET 11 OF 14

SUMMARY OF QUANTITIES

US ROUTE 61/67
TEMPORARY TRAFFIC CONTROL
SHEET 1 OF 1

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	3

COUNTY: ST. LOUIS

JOB NO.: J6S3578

CONTRACT ID.: .

PROJECT NO.: .

BRIDGE NO.: .

REV.	DESCRIPTION	DATE
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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)

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

INTERSECTION	BASE, CONCRETE	PULL BOX						PEDESTAL POST	TOP MOUNT POST		POST, TYPE							LUMINAIRE BRACKET ARM*			
		PREFORMED			CONCRETE						C & CL										
		CLASS 1	CLASS 2	CLASS 3	STD	TYPE A	TYPE B	4'	8'	15'	20' CL	25' C	30' C	35' CL	40' CL	45' C	50' C	4'	6'	8'	15'
	(CU YDS)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)
US Rte 61/67 & Baumgartner Rd/Meramec Bottom Rd	2.6							8													
US Rte 61/67 & Lemay Woods Dr	11.3	4	3	1					1		1			2						2	1
US Rte 61/67 & Old Lemay Ferry Rd	2.0																				
US Rte 61/67 & Butler Hill Rd	10.3		3	1					1				1				2				
US Rte 61/67 & Mattis Rd	2.0																		1		
US Rte 61/67 & Keller Plaza Dr	13.4		3	1				1	2		1			1	1	1			3	1	
US Rte 61/67 & Mehl Ave	15.0		4	1					2			1				3					
US Rte 61/67 & S Lakeview Plaza	2.4								1												
US Rte 61/67 & Forder Rd	2.1																				
US Rte 61/67 & I-255 Exit Ramp	2.0																				
US Rte 61/67 & S County Center Way	2.0																				
US Rte 61/67 & Lindbergh Blvd	2.0																				
TOTALS	67.1	4	13	4	0	0	0	9	7	0	2	1	1	3	1	4	2	0	4	3	1

* ITEMS THAT WILL NOT REQUIRE SEPARATE PAYMENT

INTERSECTION	LUMINAIRE LED-A	COUNTDOWN PEDESTRIAN SIGNAL HEAD, TYPE 1S	SIGNAL HEAD, TYPE										
			2-			3-			4-			5-	
			T	S	B	T	S	B	T	S	B	S	B
	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)
US Rte 61/67 & Baumgartner Rd/Meramec Bottom Rd		8											
US Rte 61/67 & Lemay Woods Dr	3	2					1	6			1		
US Rte 61/67 & Old Lemay Ferry Rd													
US Rte 61/67 & Butler Hill Rd		4						7		3	2		
US Rte 61/67 & Mattis Rd	4												
US Rte 61/67 & Keller Plaza Dr	4	4						8			2		
US Rte 61/67 & Mehl Ave		4					2	5			4		
US Rte 61/67 & S Lakeview Plaza		2											
US Rte 61/67 & Forder Rd		6											
US Rte 61/67 & I-255 Exit Ramp													
US Rte 61/67 & S County Center Way		6											
US Rte 61/67 & Lindbergh Blvd													
TOTALS	11	36	0	0	0	0	3	26	0	3	9	0	0

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED
7/25/2025

ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

SUMMARY OF QUANTITIES

US ROUTE 61/67
SIGNALS
SHEET 1 OF 2

	CONDUIT					CABLE									
	TRENCH			PUSHED		POWER		CONTROL				LUM		DETECTOR	
	2"	3"	4"	3"	4"	1c#2	1c#8	2c#16	5c#16	7c#16	2c#12	2c#12	1c#10	VIDEO (1)	CCTV
INTERSECTION	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)
US Rte 61/67 & Baumgartner Rd/Meramec Bottom Rd		28		648			670	1680						1050	
US Rte 61/67 & Lemay Woods Dr	11	137		186			80	200	210	1500		470	290	640	
US Rte 61/67 & Old Lemay Ferry Rd		47					90								
US Rte 61/67 & Butler Hill Rd		59		369			80	930	930	2840				940	140
US Rte 61/67 & Mattis Rd		134					170					130	110	1060	120
US Rte 61/67 & Keller Plaza Dr		113		260			90	570	590	1840		630	380	730	270
US Rte 61/67 & Mehl Ave		102		287			80	770	780	2670				950	150
US Rte 61/67 & S Lakeview Plaza		56					100	230	240					850	
US Rte 61/67 & Forder Rd		98					240	1050	1070					930	
US Rte 61/67 & I-255 Exit Ramp		46		106			380							850	
US Rte 61/67 & S County Center Way		355		270			1260	980	990					940	
US Rte 61/67 & Lindbergh Blvd		42					120								
TOTALS	11	1217	0	2126	0	0	3360	6410	4810	8850	0	1230	780	8940	680

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

TRAFFIC SIGNAL MAINTENANCE AND PROGRAMMING

1 LUMP SUM

	PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UPS	ATC TRAFFIC SIGNAL CONTROLLER	CONTROLLER ASSEMBLY HOUSING, NEMA TS2 CONTROLLER	TEMPORARY SIGNAL CABINET AND CONTROLLER	DETECTORS		NETWORK CONNECTED SIGNAL MONITOR	SIGNAL SIGNS								SIGN TOTAL AREA	SIGN MOUNTING HARDWARE	CCTV CAMERA ASSEMBLY	INSTALL CCTV CAMERA ASSEMBLY	CCTV EXTENSION POLE, 20 FT. METALLIC FINISH
					ACCESSIBLE PUSH BUTTON	SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM		R3-5L/ R3-6L	R3-6	R10-3ER*	R10-3EL*	R10-11A	R10-12	R10-27A	D3-1 (VARIES)					
INTERSECTION	(EA)	(EA)	(EA)	(LS)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(SQ.FT)	(EA)	(EA)	(EA)	(EA)
US Rte 61/67 & Baumgartner Rd/Meramec Bottom Rd	1	1	1		8	1	1			2	6									
US Rte 61/67 & Lemay Woods Dr	1	1	1		2	1	1			1	1			1	3	37	4			
US Rte 61/67 & Old Lemay Ferry Rd	1	1	1																	
US Rte 61/67 & Butler Hill Rd	1	1	1		4	1	1	3	1	2	2	1		1		43	6	1	1	1
US Rte 61/67 & Mattis Rd	1	1	1			1	1											1	1	
US Rte 61/67 & Keller Plaza Dr	1	1	1		4	1	1	2		2	2		1	2		38	5	1	1	
US Rte 61/67 & Mehl Ave	1	1	1		4	1	1	2		3	1	1		2		35	5	1	1	1
US Rte 61/67 & S Lakeview Plaza	1	1	1		2	1	1			1	1									
US Rte 61/67 & Forder Rd	1	1	1	1	6	1	1			3	3									
US Rte 61/67 & I-255 Exit Ramp	1	1	1			1	1													
US Rte 61/67 & S County Center Way	1	1	1		6	1	1			4	2									
US Rte 61/67 & Lindbergh Blvd	1	1	1				1													
TOTALS	12	12	12	1	36	10	11	7	1	18	18	2	1	6	3	153	20	4	4	2

* ITEMS THAT WILL NOT REQUIRE SEPARATE PAYMENT

SHEET 13 OF 14

SUMMARY OF QUANTITIES

US ROUTE 61/67
SIGNALS
SHEET 2 OF 2

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
.

BRIDGE NO.
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REV.	DESCRIPTION	DATE
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KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

c:\bms\gba-pw-01\regan hutchinson\dms13774\003_QU_03_J6S3578.dgn 7/25/2025

LIGHTING

LIGHTING SHEET	FROM STATION	TO STATION	ROADWAY	LOCATION	30 FT. TENON MOUNT LIGHT POLE	45 FT. TENON MOUNT LIGHT POLE	TENON MOUNT LED-B LUMINAIRE	LED-A LUMINAIRE	TENON MOUNT LED-A LUMINAIRE	LED-B LUMINAIRE	POLE FOUNDATION (30 FT. MOUNTING HEIGHT)	POLE FOUNDATION (45 FT. MOUNTING HEIGHT)	CONDUIT, 2 IN. RIGID, IN TRENCH	CONDUIT, 4 IN. RIGID, PUSHED	TRENCHING TYPE I	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	CABLE, 8 AWG, 1 CONDUCTOR	CABLE-CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE NEUTRAL, 8 AWG	PULL BOX, PREFORMED CLASS 1	PAD MOUNTED POWER SUPPLY AND CONTROLLER	RELOCATED POLE	REMARKS
					(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(EA)	(EA)	(EA)	
7	593+29		RTE 61/67	RT				1													1	EXIST. LIGHT POLE
7	593+67		RTE 61/67	LT				1														EXIST. LIGHT POLE
7	594+46		RTE 61/67	RT				1														EXIST. LIGHT POLE
7	594+70		RTE 61/67	LT				1														EXIST. LIGHT POLE
10	663+46		RTE 61/67	LT	1				1		1					60						LIGHT POLE B103
10	663+46	664+22	RTE 61/67	LT											76			76				PULL BOX B1 TO LIGHT POLE B103
10	664+22		RTE 61/67	LT															1			PULL BOX B1
10	664+22	664+65	RTE 61/67	LT										42			96					PULL BOX B1 TO LIGHT POLE B102
10	664+65		RTE 61/67	LT	1				1		1					60						LIGHT POLE B102
10	664+65	665+09	RTE 61/67	LT											47			47				LIGHT POLE B102 TO LIGHT POLE B101
10	665+09		RTE 61/67	LT	1				1		1					60						LIGHT POLE B101
10	665+09	665+25	RTE 61/67	LT/RT										104			220					PULL BOX AB TO LIGHT POLE B101
10	665+25		RTE 61/67	RT															1			PULL BOX AB
10	665+09	665+25	RTE 61/67	RT											38			38				PULL BOX AB TO LIGHT POLE A101
10	665+09		RTE 61/67	RT	1				1		1					60						LIGHT POLE A101
10	665+25	665+25	RTE 61/67	RT									5				22					PULL BOX AB TO LIGHTING POWER SUPPLY
10	665+25		RTE 61/67	RT																1		LIGHTING POWER SUPPLY
11	672+97		RTE 61/67	RT	1				1		1					60						LIGHT POLE B101
11	672+97	673+53	RTE 61/67	RT											60			60				PULL BOX AB OT LIGHT POLE B101
11	673+53		RTE 61/67	RT															1			PULL BOX AB
11	673+46	673+53	RTE 61/67	RT									8				28					PULL BOX AB TO LIGHTING POWER SUPPLY
11	673+46		RTE 61/67	RT																1		LIGHTING POWER SUPPLY
11	673+53	674+66	RTE 61/67	RT											140			140				PULL BOX AB TO LIGHT POLE C101
11	674+66		RTE 61/67	RT	1				1		1					60						LIGHT POLE C101
11	673+53	674+10	RTE 61/67	LT/RT										122			256					PULL BOX AB TO LIGHT POLE A101
11	674+10		RTE 61/67	LT	1				1		1					60						LIGHT POLE A101
11	679+08		RTE 61/67	LT						1												EXIST. LIGHT POLE
11	679+07		RTE 61/67	RT																1		LIGHTING POWER SUPPLY
11	679+07	679+30	RTE 61/67	RT									15				42					PULL BOX AB TO LIGHTING POWER SUPPLY
11	679+30		RTE 61/67	RT															1			PULL BOX AB
11	679+30	680+01	RTE 61/67	RT										91			194					PULL BOX AB TO EXIST. LIGHT POLE
11	680+01		RTE 61/67	RT						1												EXIST. LIGHT POLE
11	680+01	681+35	RTE 61/67	RT											168			168				EXIST. LIGHT POLE TO EXIST. LIGHT POLE
11	681+35		RTE 61/67	RT						1												EXIST. LIGHT POLE
11	685+67		RTE 61/67	RT																1		LIGHTING POWER SUPPLY
11	685+67	685+74	RTE 61/67	RT									7				26					PULL BOX CD TO LIGHTING POWER SUPPLY
11	685+74		RTE 61/67	RT															1			PULL BOX CD
11	685+74	688+62	RTE 61/67	RT									297				606					EXIST. PULL BOX TO LIGHTING POWER SUPPLY
12	689+63		RTE 61/67	LT						1												EXIST. LIGHT POLE
12	690+70		RTE 61/67	LT						1												EXIST. LIGHT POLE
12	690+39		RTE 61/67	RT						1												EXIST. LIGHT POLE
126	NORTH OF BRIDGE		I-255	RT		1	1					1				90						LIGHT POLE
126	NORTH OF BRIDGE		I-255	RT									16				44					EXIST. PULL BOX TO EXIST. LIGHT POLE
126	SOUTH OF BRIDGE		I-255	RT															1			PULL BOX AT I-55/I-255 RAMPS
126	SOUTH OF BRIDGE		I-255	RT									13				38					PULL BOX TO LIGHT POLE
126	SOUTH OF BRIDGE		I-255	RT		1	1					1				90						LIGHT POLE
				TOTAL	7	2	2	4	7	6	7	2	361	359	529	600	1572	529	6	4	1	

PERMANENT PAVEMENT MARKING

PLAN SHEET NO.	BEGIN STATION	END STATION	ROADWAY	LOCATION	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS)					PREFORMED THERMOPLASTIC PAVEMENT MARKING						
					4" YELLOW *620-59.01B*		6" WHITE *620-59.02B*			6" SOLID WHITE	24" SOLID WHITE	LEFT /RIGHT ARROW	STRAIGHT ARROW	COMBINATION STR/LT/RT	24" X 36", YIELD LINE TRIANGLE	LANE REDUCTION ARROW
					SOLID	INTERMITTENT	SOLID	INTERMITTENT	DOTTED	*620-00.09*	*620-00.15*	*620-00.21*	*620-00.24*	*620-00.27*	*620-00.42A*	*620-00.54*
					(LF)	(LF)	(LF)	(LF)	(LF)	LF	(LF)	(EA)	(EA)	(EA)	(EA)	(EA)
1	474+00.87	492+00	US ROUTE 61/67	LT/RT	3956		1978	495								
2	492+00	512+00	US ROUTE 61/67	LT/RT	2577		3117	506			565	3			19	
3	512+00	531+00	US ROUTE 61/67	LT/RT	5736		3870	899			145	1				
4	531+00	550+00	US ROUTE 61/67	LT/RT	5633		3867	923				1				
5	550+00	570+00	US ROUTE 61/67	LT/RT	5292	167	3780	384				3				
6	570+00	590+00	US ROUTE 61/67	LT/RT	3993	788	4015	1002			87	12				
7	590+00	610+00	US ROUTE 61/67	LT/RT	4504	644	4484	950	35		415	14		1	13	2
8	610+00	630+00	US ROUTE 61/67	LT/RT	3787	792	4310	872			87	12				
9	630+00	650+00	US ROUTE 61/67	LT/RT	4002	918	4172	955				12				
10	650+00	670+00	US ROUTE 61/67	LT/RT	3519	407	5244	691			738	18		1	7	
11	670+00	689+00	US ROUTE 61/67	LT/RT	3879		6605	1050	137		509	21	2	3	5	
12	689+00	-	US ROUTE 61/67	LT/RT	1707		3382	656	25		379	11			15	
SUBTOTAL					48585	3716	48824	9383	197	0	2925	108	2	5	59	2
TOTALS					52301		58404			0	2925	108	2	5	59	2

TEMPORARY PAVEMENT MARKING PAINT
1 LUMP SUM

SEE JOB SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING TEMPORARY PAVEMENT MARKING PAINT

SHEET 14 OF 14

SUMMARY OF QUANTITIES

US ROUTE 61/67
LIGHTING/PAVEMENT MARKING
SHEET 1 OF 1

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	3

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

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

GBA
16305 SWINGLEY RIDGE RD
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CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

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MO ROUTE 61/67 (LEMAY FERRY ROAD)
ADA IMPROVEMENTS AND PAVEMENT REHAB
A5352 AND A6474 REHABILITATION

MoDOT JOB NO. J6S3578

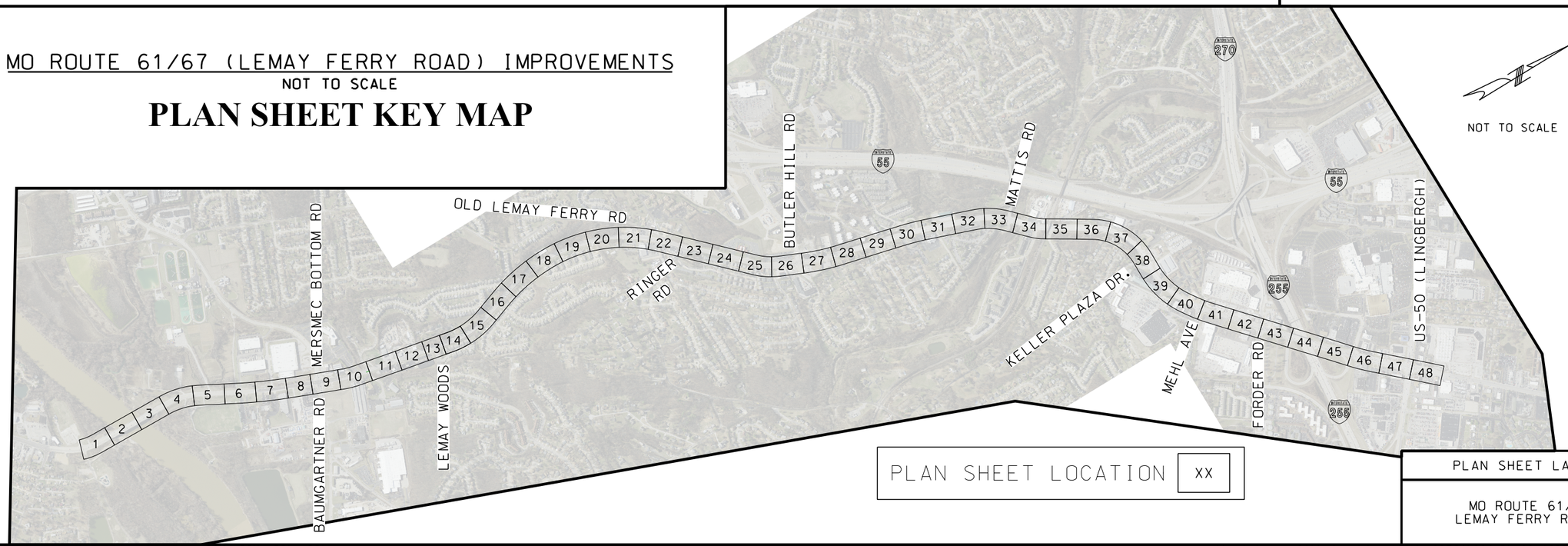
GENERAL PLAN SHEET NOTES

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 SONE 2401 (MISSOURI EAST). VERTICAL DATUM IS NAVD88.
3. RIGHT OF WAY LIMITS FOR THIS PROJECT EXTEND FROM STATION 474+00.87 TO STATION 698+27.00, MO ROUTE 100 (LEMAY FERRY ROAD), A DISTANCE OF 4.25 MILES.
4. ALL STATION CALLOUTS ARE FROM THE CONSTRUCTION BASELINE FOR LEMAY FERRY ROAD (ROUTE 61/67), UNLESS OTHERWISE NOTED.
5. SEE SIGNAL SHEETS FOR SIGNAL-RELATED REMOVALS.
6. SEE SIGNING SHEETS FOR SIGNING-RELATED REMOVALS.
7. UNDERGROUND FACILITIES, STRUCTURES AND UTILITITES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY AND RECORDS. THE COMMISSIONDOES 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 RESPONSIBILLITY TO DETERMINE THE EXISTENCE AND PRECISE LOCATION OF ALL FACILITIES AND TO AVOID DAMAGE. SEE THE JOB SPECIAL PROVISIONS FOR A LIST OF UTILITY COMPANIES ON OR WITHIN THE VICINITY OF THE PROJECT LIMITS.
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 PATHWAYS/CONNECTIONS, PEDESTRIAN SIGNALS, AND ANY OTHER PEDESTRIAN ITEMS ON THIS PROJECT.
10. ALL ENTRANCES IN LOCATIONS OF SIDEWALK HAVE BEEN CHECKED FOR ADA COMPLIANCE. ENTRANCES IN THESE LOCATIONS WITH NO PROPOSED WORK WERE FIELD VERIFIED AND DETERMINED TO MEET ADA STANDARDS AT THE TIME OF THE FIELD VISIT.
11. THERE SHALL BE A MINIMUM OF 4 FOOT 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 FOOT TALL POSTS, AND ANY OTHER FEATURES THAT PROTRUDE ABOVE THE GROUND ALONG THE ROADSIDE WHERE THERE IS SIDEWALK.
12. CLEARANCE AND GRUBBING IS CONSIDERED INCIDENTAL TO OTHER ITEMS WITH NO DIRECT PAY.
13. NOT ALL EXISTING FEATURES/ITEMS HAVE PLAN CALLOUTS SUCH AS (UIP) AND (DND). THE CONSTRACTOR SHALL CONSULT WITH THE ENGINEER ON THE DIRECTTION OF SUCH ITEMS.
14. THE MILL AND OVERLAY LIMITS SHOWN AT SIDE STREETS MAY BE FIELD ADJUSTED BY THE ENGINEER.
15. ALL EXISTING DRAINAGE STRUCTURES WITHING THE MILL AND OVERLAY LIMITS SHALL BE ADJUSTED TO GRADE, IF NEEDED, AT THE DISCRETION OF THE MSD FIELD INSPECTOR.
16. CENTERLINE SHOWN IS A CONSTRUCTION BASELINE SPECIFIC TO THIS PROJECT AND NOT THE ORIGINAL LEGACY CENTERLINE.
17. EXISTING WATER AND SANITARY CONNECTIONS WILL NOT BE MODIFIED WITH THIS WORK.
18. CONSTRUCTION SITE RUNOFF SHALL NOT FLOW INTO BMP AREAS. ALL STORMWATER FLOW TO BMP AREAS SHALL BE DIVERTED, PLUGGED, OR DISCONNECTED UNTIL THE CONSTRUCTION SITE IS STABLE AND THE MSD INSPECTOR PROVIDES APPROVAL TO PLACE THE BMP ON-LINE.
19. THE DETAIL DRAWINGS SHOWN HERE ARE ONLY FOR PRIVATE CONSTRUCTION THAT IS NOT UNDER MSD PERMITS. REFER TO MSD STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD DETAILS FOR PUBLIC SEWER CONSTRUCTION UNDER MSD PERMITS.
20. THE CONTRACTOR SHALL STAY WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS AND MINIMIZE DISTURBANCE WITHIN THE WORK AREA WHENEVER POSSIBLE.

ALL STORM AND SANITARY SEWER STRUCTURES AND 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 INCLUDE 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 REPRESENTATIVE 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) INDICATE THE DATE THE INITIAL SECTION OF PIPE WAS INSTALLED; AND
B) VERIFY THAT THE INSTALLATION OCCURRED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED PROCEDURES.
E. TRENCH WIDTH SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS. DISTRICT STANDARD PAYLINE WIDTHS BASED ON THE NOMINAL INSIDE PIPE DIAMETER SHALL APPLY.

MO ROUTE 61/67 (LEMAY FERRY ROAD) IMPROVEMENTS
NOT TO SCALE

PLAN SHEET KEY MAP



NOT TO SCALE

PLAN SHEET LAYOUT

MO ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
PROFESSIONAL ENGINEER
STATE OF MISSOURI

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 4
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

REV.	DESCRIPTION	DATE

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

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16305 SWINGLEY RIDGE RD
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CHESTERFIELD, MO 63017
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GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

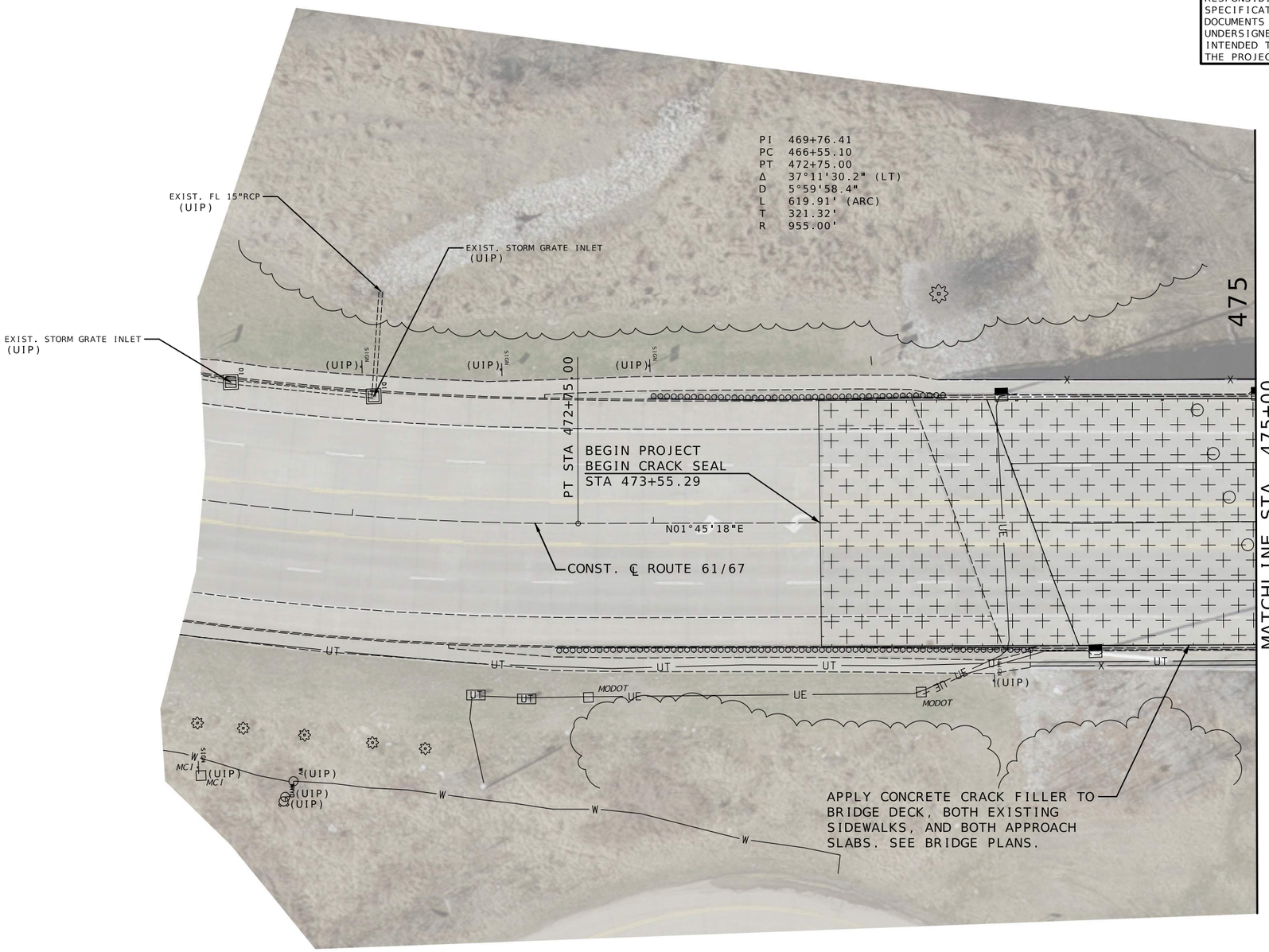
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 20 40 60

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PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 1 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	5

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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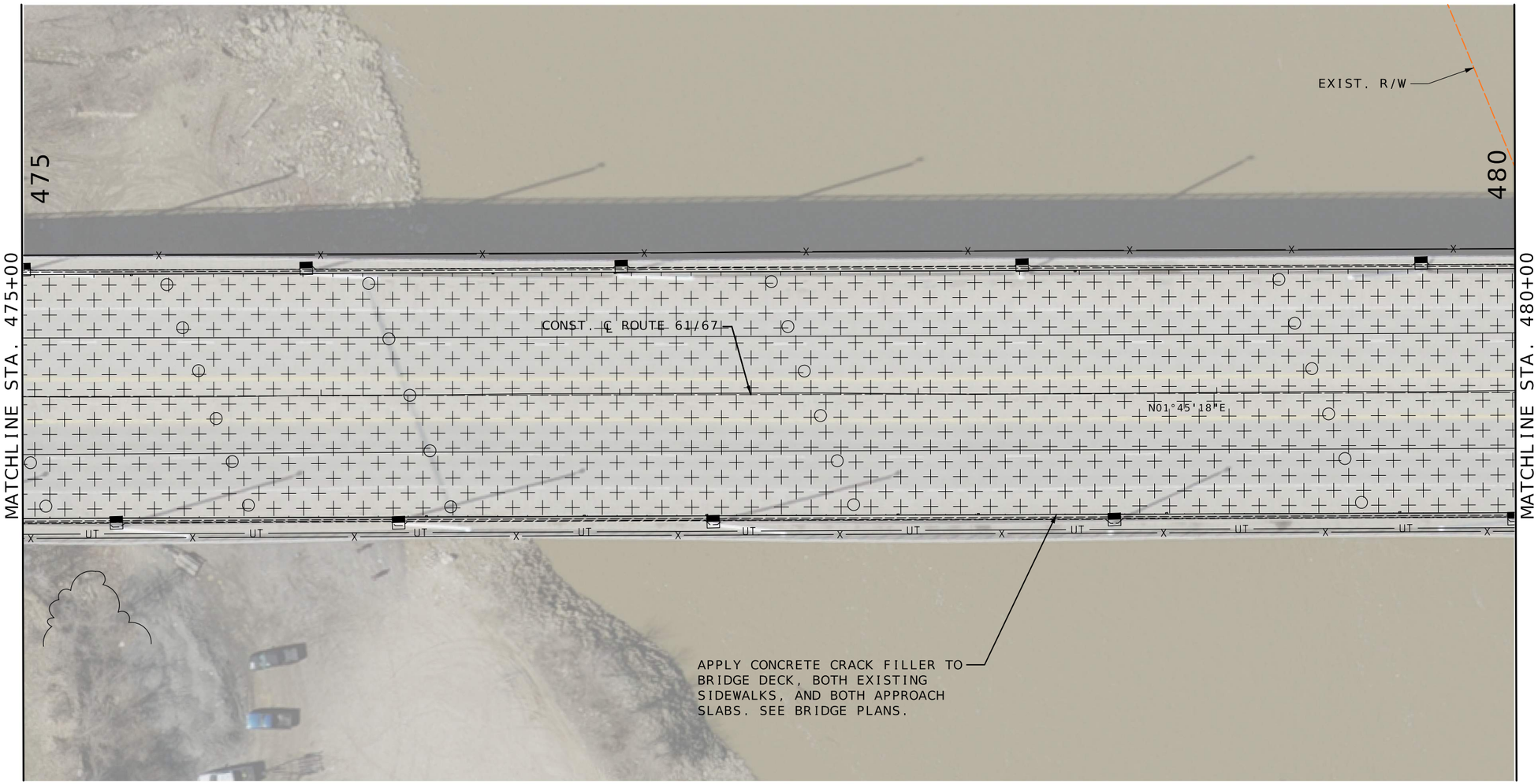
EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
T. 636 537 5585
F. 636 537 0275
Missouri State Engineering Corporation #001523

SCALE

0 20 40 60

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PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	6

COUNTY: ST. LOUIS

JOB NO.: J6S3578

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

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Missouri State Engineering Corporation #001523
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SHEET 2 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

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U.S. SURVEY 403

E LINE U.S. SURVEY 403
W LINE U.S. SURVEY 3118

1
600 KASSEBAUM LN
NF
GREAT RIVERS GREENWAY DISTRICT
2024010200286
227,828 SF ORIGINAL
2,245 SF T.C.E.
227,828 SF REMAINING

480

EXIST. R/W

480+00

MATCHLINE STA. 480+00

(UIP)

EXIST. R/W

END CRACK SEAL
STA 483+44.14

5' SIDEWALK
(TIES INTO EX.
SIDEWALK NOT
SHOWN ON TOPO)

485

485+00

MATCHLINE STA. 485+00

5' SIDEWALK
(TIES INTO EX.
SIDEWALK NOT
SHOWN ON TOPO)

N01°45'18"E

STA 484+52.93
OFF 39.71' RT.

CONST. ℄
ROUTE 61/67

(UIP)

EXIST. R/W

EXIST. R/W

ACCRETION LOT 8

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 10957 PG 1608
NO ACQUISITION

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 10957 PG 1608
NO ACQUISITION

APPLY CONCRETE CRACK FILLER TO BRIDGE DECK, BOTH EXISTING SIDEWALKS, AND BOTH APPROACH SLABS. SEE BRIDGE PLANS.

ACCRETION LOT 7

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 7910 PG 1513
PARCEL 1
NO ACQUISITION

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 7910 PG 1513
PARCEL 1
NO ACQUISITION
LOT 7

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY
MISSOURI
DB 10382 PG 709
NO ACQUISITION

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 3 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO

DISTRICT	SHEET NO.
SL	7

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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ENGINEERING DESIGN SOURCE, INC.
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Missouri State Engineering Corporation #001523
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F. 636 537 0275

SCALE
0 20 40 60

U.S. SURVEY 403

1
SEE PREVIOUS SHEET FOR PROPERTY INFORMATION

MATCHLINE STA. 485+00

485

PC STA 485+04.69

5' SIDEWALK (TIES INTO EX. SIDEWALK NOT SHOWN ON TOPO)

STA 485+08.04 OFF 42.63' LT.

6' SIDEWALK

T.C.E.

PROPOSED SIDEWALK TO BE BUILT ON THE BACK OF THE EXISTING SHOULDER

EXIST. R/W

KESSEBAUM LN

6371 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 10979 PG 2326
NO ACQUISITION

(UIP)

DRWY
STA. 488+36.61 LT
20.6' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-1.50% AT ℄

6369 LEMAY FERRY RD
NF
SULLIVAN MARK T
DB 21499 PG 1179
NO ACQUISITION

30

STA 488+06.90 OFF 42.73' LT. (UIP)

EX SIGN (RELOC)

SMALL RADIUS PERPENDICULAR CURB RAMP

CONST. ℄ ROUTE 61/67

STA 487+97.13 OFF 41.06' LT.

STA 488+06.81 OFF 40.73' LT.

75°30'10"

STA 488+49.81 OFF 39.84' LT.

STA 488+40.16 OFF 42.05' LT.

STA 488+40.12 OFF 40.05' LT.

5' SIDEWALK

EX SIGN (RELOC)

490

STA 488+15.20 OFF 37.52' RT.

STA 488+15.18 OFF 39.52' RT.

STA 488+04.89 OFF 37.87' RT.

90°

STA 488+41.23 OFF 37.18' RT.

STA 488+41.25 OFF 39.18' RT.

EX MB (RELOC)

EX SIGN (UIP)

STA 488+54.38 OFF 37.00' RT.

STA 489+00.02 OFF 40.00' RT.

1290.00' RADIUS

1210.00' RADIUS

MATCHLINE STA. 490+00

(RELOC)

EX ITS POLE (RELOC)

6' SIDEWALK

EXIST. R/W

SMALL RADIUS PERPENDICULAR CURB RAMP

EXIST. FL 48"CMP (UIP)

MERAMEC VIEW DR

DRWY
STA. 488+28.18 RT
12.1' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-7.90% AT ℄

5' SIDEWALK

EXIST. STORM CATCH INLET (UIP)

E LINE U.S. SURVEY 403

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 8091 PG 733
NO ACQUISITION

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 7910 PG 1513
NO ACQUISITION

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 10372 PG 374
NO ACQUISITION

U.S. SURVEY 403
NO ACQUISITION

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 10372 PG 459
NO ACQUISITION

ROAD 15' WIDE

PI	488+01.46
PC	485+04.69
PT	490+87.45
Δ	26°42'42.0" (RT)
D	4°35'1.2"
L	582.76' (ARC)
T	296.77'
R	1,250.00'

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

DISCLAIMER
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STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
9/4/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	8

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

SHEET 4 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

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6315 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 11119 PG 322
NO ACQUISITION

6367 LEMAY FERRY RD
NF
GENERAL GEORGE C MARSHALL MEMORIAL POST
DB 7603 PG 1409
NO ACQUISITION

DRWY
STA. 492+30.59 LT
30.4' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-8.00% AT ℄

EXIST. R/W

H DROEGE DR

6335 LEMAY FERRY RD
NF
SULLIVAN MARK T
DB 21499 PG 1165
NO ACQUISITION

490

495

MATCHLINE STA. 490+00

MATCHLINE STA. 495+00

5' SIDEWALK

SMALL RADIUS
PERPENDICULAR
CURB RAMP

EXIST. SAN. MH
32K4-0049S
(UIP)

EXIST. SAN. MH
32K4-0050S
(UIP)

EX SIGN
(UIP)

BELL
(ATG)

PT STA 490+87.45

1290.00' RADIUS

1210.00' RADIUS

STA 491+93.89
OFF 40.00' LT.

STA 492+03.89
OFF 40.00' LT.

STA 492+64.86
OFF 40.00' LT.

STA 492+54.86
OFF 40.00' LT.

90°

CONST. ℄ ROUTE 61/67

85°12'31"

N28°28'00"E

STA 491+15.06
OFF 40.00' RT.

STA 491+05.06
OFF 40.00' RT.

STA 491+38.50
OFF 40.00' RT.

STA 491+48.50
OFF 40.00' RT.

(WATER PER MAP)

EXIST. STORM MH
(UIP)

EXIST. FL 48"CMP
(UIP)

DRWY
STA. 491+22.91 RT
15.9' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-4.00% AT ℄

EXIST. R/W

6364 LEMAY FERRY RD
NF
RIVER BANKS PROPERTIES LLC
DB 24242 PG 1022
NO ACQUISITION

6356 LEMAY FERRY RD
NF
RIVER BANKS PROPERTIES LLC
DB 24242 PG 1022
NO ACQUISITION

E LINE U.S. SURVEY 403
W LINE U.S. SURVEY 3118

6344 LEMAY FERRY RD
NF
ST LOUIS COUNTY
DB 10955 PG 883
NO ACQUISITION

6290 LEMAY FERRY RD
NF
RIVER BANKS PROPERTIES LLC
DOC# 2023010900505
NO ACQUISITION

U.S. SURVEY 3118

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 5 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
9/4/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	9

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

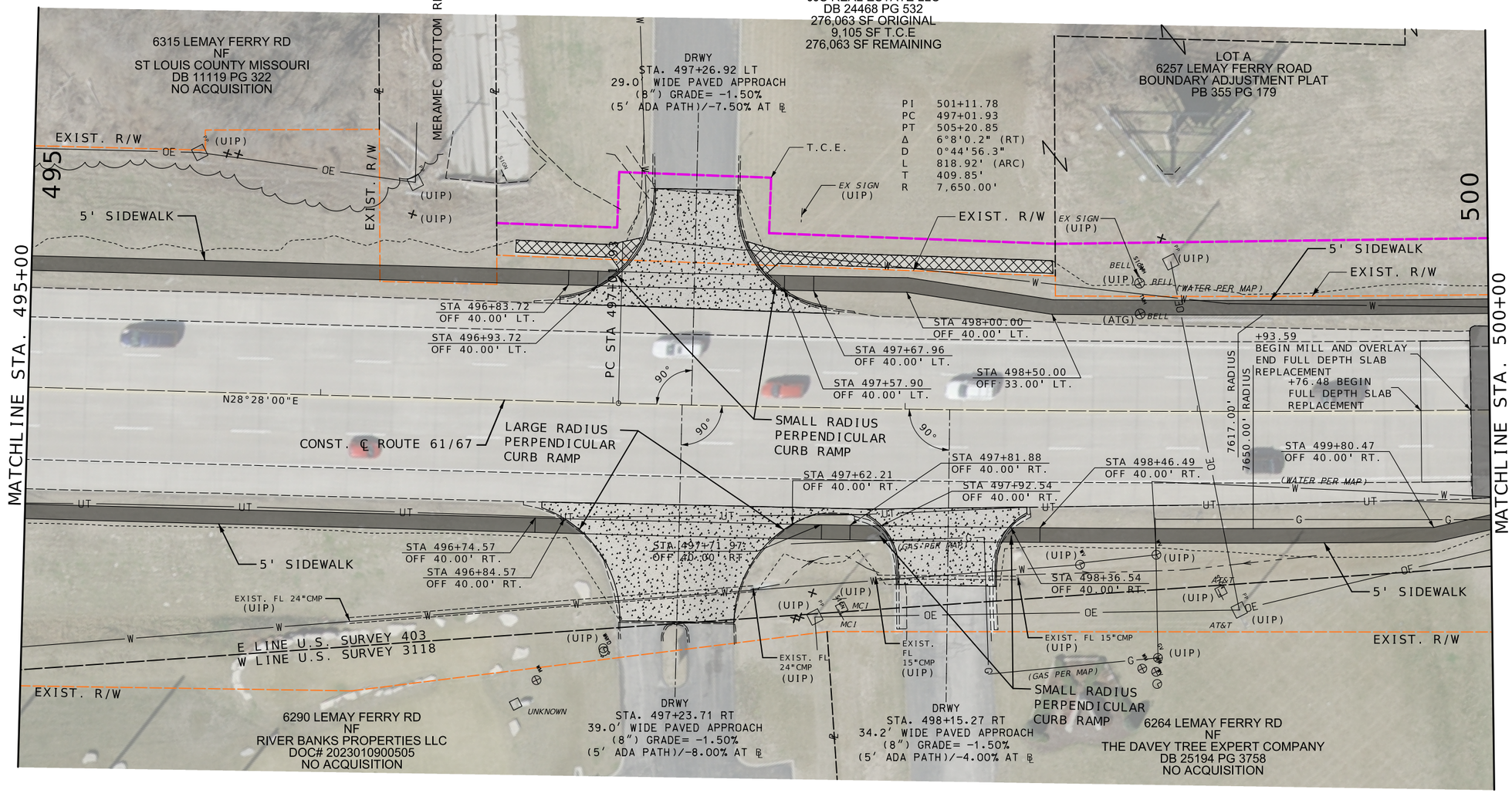
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ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

SCALE
0 20 40 60

LOT 2
FLOORING SYSTEMS
A LOT SPLIT PLAT
PB 354 PG 982

2

6285 & 6257 LEMAY FERRY RD
NF
JJS REAL ESTATE LLC
DB 24468 PG 532
276,063 SF ORIGINAL
9,105 SF T.C.E
276,063 SF REMAINING



U.S. SURVEY 3118

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
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GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

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DATE PREPARED
9/4/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	10

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
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F. 636 537 0275

SHEET 6 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

LOT A
6257 LEMAY FERRY ROAD
BOUNDARY ADJUSTMENT PLAT
PB 355 PG 179

2
SEE PREVIOUS SHEET FOR PROPERTY INFORMATION

PI 501+11.78
PC 497+01.93
PT 505+20.85
Δ 6°8'0.2" (RT)
D 0°44'56.3"
L 818.92' (ARC)
T 409.85'
R 7,650.00'

4
6241 LEMAY FERRY RD
NF
I AM AEROSPACE LLC
DB 23729 PG 270
609,303 SQ. FT. ORIGINAL
5,642 SQ. FT. T.C.E.
1,797 SQ. FT. P.H.E.
609,303 SQ. FT. REMAINING

DRWY
STA. 501+07.08 LT
11.5' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/10.00% AT ℄

DRWY
STA. 502+35.13 LT
38.0' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-3.50% AT ℄

MATCHLINE STA. 500+00

500

505

MATCHLINE STA. 505+00

LARGE RADIUS PERPENDICULAR CURB RAMP

T.C.E.

P.H.E.

EX SIGN (UIP)

5' SIDEWALK

STA 504+50.00 OFF 33.00' LT.

EXIST. SAN. MH 32K1-001S (UIP)

EXIST. SAN. MH (UIP)

(UIP) BELL

EXIST. R/W

STA 501+05.62 OFF 33.00' LT.

STA 501+28.84 OFF 38.00' LT.

(WATER PER MAP)

STA 500+95.58 OFF 33.00' LT.

STA 501+38.83 OFF 33.00' LT.

STA 501+88.44 OFF 33.00' LT.

STA 501+98.48 OFF 33.00' LT.

STA 502+69.99 OFF 33.00' LT.

STA 502+80.03 OFF 33.00' LT.

CONST. ℄ ROUTE 61/67

MILL AND OVERLAY

7617.00' RADIUS

SMALL RADIUS PERPENDICULAR CURB RAMP

77°39'48"

90°

MAINTAIN MIN 4.0' ADA PATHWAY

STA 501+16.48 OFF 35.50' RT.

TYPE S CURB

EX CONC CURB (R)

EX SIGN (UIP)

STA 502+24.46 OFF 35.50' RT.

STA 503+23.82 OFF 35.50' RT.

STA 503+08.89 OFF 35.50' RT.

STA 504+09.59 OFF 35.50' RT.

TYPE S CURB

LARGE RADIUS PERPENDICULAR CURB RAMP

STA 500+49.60 OFF 35.54' RT.

EXIST. PP (UIP)

(GAS PER MAP)

W LINE U.S. SURVEY 403

W LINE U.S. SURVEY 3118

(UIP)

UNKNOWN

EXIST. R/W

STA 501+06.52 OFF 35.50' RT.

6' SIDEWALK

STA 502+14.51 OFF 35.50' RT.

STA 504+19.55 OFF 35.50' RT.

STA 500+25.92 OFF 35.61' RT.

EXIST. GUY (RELOC)

SMALL RADIUS PERPENDICULAR CURB RAMP

5
VOID
6256 LEMAY FERRY RD
NF
6256 LEMAY FERRY LLC
DB 21404 PG 277
NO ACQUISITION

EXIST. SAN. MH 32K4-014S (UIP)

DRWY
STA. 500+78.46 RT
25.2' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/9.7% AT ℄

SMALL RADIUS PERPENDICULAR CURB RAMP

DRWY
STA. 502+66.06 RT
34.3' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/7.5% AT ℄

6
VOID
6244 LEMAY FERRY RD
NF
TKB TECHNOLOGIES LLC
DB 23888 PG 1212
NO ACQUISITION

EXIST. SAN. MH 32K4-015S (UIP)

EXIST. SAN. MH 32K1-092S (UIP)

STA 504+99.74 OFF 32.50' RT.

DRWY
STA. 504+81.92=RT
35.7' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/2.5% AT ℄

PLAN SHEET LEGEND

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- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

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GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

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DATE PREPARED
9/4/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	11

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

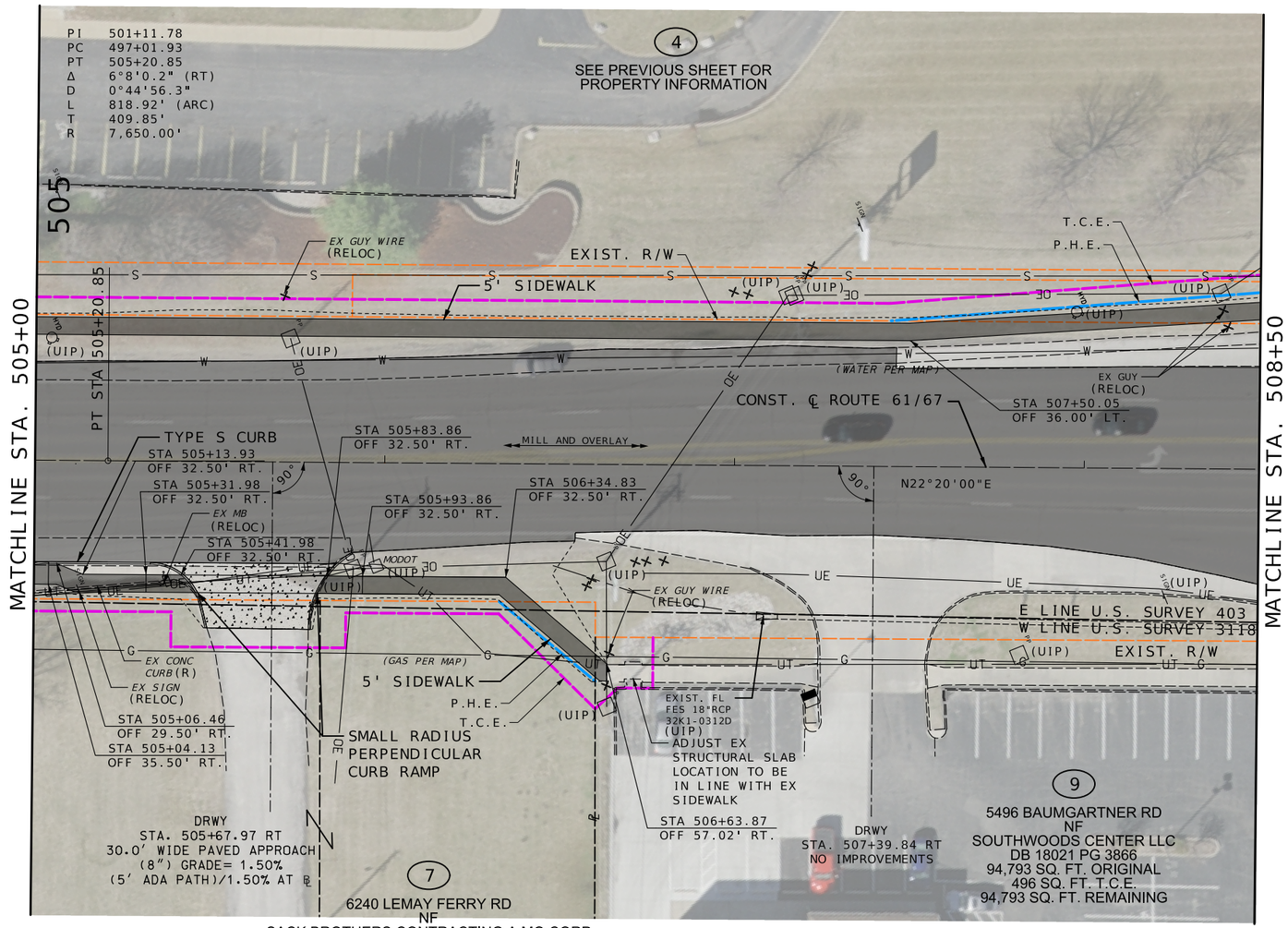
SHEET 7 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60



PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
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GARY ANTHONY WHITESIDE
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PROFESSIONAL ENGINEER

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DATE PREPARED
9/4/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	12

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

SHEET 8 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE
0 20 40 60

4
SEE PREVIOUS SHEET FOR PROPERTY INFORMATION

MERAMEC BOTTOM RD

LOT 1
GRASSO-MERAMEC SUBDIVISION
PB 349 PG 63

10
6197 LEMAY FERRY RD
NF
DENNING MARY E TRUST ETAL
DB 17335 PG 4484
48,424 SQ. FT. ORIGINAL
1,088 SQ. FT. T.C.E.
48,424 SQ. FT. REMAINING

11
6129 LEMAY FERRY RD
NF
WIETHOP MICHAEL C REV TRUST
DOC# 2023092200855
43,535 SQ. FT. ORIGINAL
2,079 SQ. FT. T.C.E.
1,454 SQ. FT. P.H.E.
43,535 SQ. FT. REMAINING

15

EXIST. FL FES 18"RCP 32K1-149D (UIP)
EXIST. STORM CATCH INLET 32K1-148D (UIP)
EXIST. SAN MH 32K1-109S (UIP)
EXIST. SAN. MH 32K1-110S (UIP)
EXIST. STORM CATCH INLET 32K1-147D (UIP)
EXIST. STORM GRATE INLET 32K1-146D (UIP)
EXIST. SAN MH 32K1-111S (UIP)
EXIST. STORM GRATE INLET 32K1-145D (UIP)

SMALL RADIUS PERPENDICULAR CURB RAMP
5' SIDEWALK
P.H.E.
T.C.E.
105.00' RADIUS
STA 508+55.14
OFF 43.04' LT.
EXIST. SAN. MH 32K1-108S (UIP)
STA 509+24.02
OFF 75.25' LT.
STA 509+34.04
OFF 87.46' LT.
STA 509+27.38
OFF 78.95' LT.
STA 509+32.19
OFF 74.35' LT.
STA 509+26.85
OFF 70.63' LT.
EXIST. R/W
WIDEN EXIST. ISLAND CUT-THRU TO LINE UP WITH CURB RAMP ACROSS MERAMEC BOTTOM RD.
97.47' RADIUS
5' SIDEWALK
STA 510+68.53
OFF 75.38' LT.
SMALL RADIUS PERPENDICULAR CURB RAMP
STA 510+85.66
OFF 70.83' LT.
STA 510+65.42
OFF 87.72' LT.
STA 510+72.93
OFF 80.33' LT.
STA 510+76.77
OFF 77.12' LT.
STA 510+72.29
OFF 72.08' LT.
EXIST. R/W
DRWY
STA. 512+55.50 LT
NO IMPROVEMENTS
STA 512+45.29
OFF 57.14' LT.
DRWY
STA. 513+11.29 LT
29.9' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-1.50% AT ℄
STA 512+45.29
OFF 39.17' LT.
STA 512+58.08
OFF 35.00' LT.
STA 512+83.84
OFF 35.00' LT.
STA 512+93.34
OFF 35.00' LT.
STA 513+27.60
OFF 35.00' LT.
STA 513+38.19
OFF 35.00' LT.
SMALL RADIUS PERPENDICULAR CURB RAMP
5' SIDEWALK
P.H.E.
T.C.E.
50°47'13"
90°

POT STA 510+00.00 = 510
MATCHLINE STA. 508+50
MATCHLINE STA. 513+50

CONST. ℄ ROUTE 61/67
MILL AND OVERLAY
POT STA 15+58.11
N22°20'00"E
N21°56'00"E
SEE SIGNAL PLANS FOR DISPOSITION OF SIGNAL ITEMS
RECONSTRUCT SIDEWALK IN EXIST. ISLAND

EXIST. STORM MH 32K1-166D (UIP)
EXIST. STORM MH 32K1-167D (UIP)
EXIST. STORM MH 32K1-171D (UIP)
EXIST. STORM GRATE INLET 32K1-129D (UIP)
EXIST. STORM MH 32K1-168D (UIP)
EXIST. STORM GRATE INLET 32K1-172D (UIP)
EXIST. STORM GRATE INLET 32K1-0331D (UIP)
EXIST. STORM MH 32K1-154D (UIP)
EXIST. STORM GRATE INLET 32K1-170D (UIP)

STA 509+33.49
OFF 71.48' RT.
STA 509+36.96
OFF 76.07' RT.
S67°50'58"E
BAUMGARTNER RD
REPAIR EX CURB
LIMITS OF MILL AND OVERLAY
EXIST. R/W
EXIST. R/W
EXIST. R/W
EXIST. R/W

5 LINE U.S. SURVEY 403
W LINE U.S. SURVEY 3118

5461 BAUMGARTNER RD
NF
5461 BAUMGARTNER LLC
DB 22760 PG 1766
NO ACQUISITION

DRWY
STA. 513+05.80 RT
NO IMPROVEMENTS

9
SEE PREVIOUS SHEET FOR PROPERTY INFORMATION
U.S. SURVEY 3118

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
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STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

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DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	13

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

SHEET 9 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE
0 20 40 60

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LOT 2
GRASSO-MERAMEC
SUBDIVISION
PB 349 PG 63

(11)
SEE PREVIOUS SHEET FOR
PROPERTY INFORMATION

(12)
4115 MERAMEC BOTTOM RD
NF
THE JUNIOR COLLEGE DISTRICT OF ST. LOUIS
DB 12843 PG 1658
774,228 SQ. FT. ORIGINAL
1,659 SQ. FT. T.C.E.
2,463 SQ. FT. P.H.E.
774,228 SQ. FT. REMAINING

6091 LEMAY FERRY RD
NF
ESTELL TRACY A
DB 16558 PG 222
NO ACQUISITION

GRASSO OUTLOT A
PB 351 PG 674

6098 SOUTHCREST WAY
NF
BERRA JOHN H JR ETAL, TRUSTEES
DB 15450 PG 1011
NO ACQUISITION

6085 LEMAY FERRY RD
NF
EASTER PROPERTIES LLC
DB 25074 PG 5163
NO ACQUISITION

PI 515+26.69
PC 514+07.79
PT 516+44.98
Δ 10°4'0.0" (RT)
D 4°14'38.9"
L 237.19' (ARC)
T 118.90'
R 1,350.00'

DRWY
STA. 514+73.56 LT
30.0' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/5.50% AT ℄

DRWY
STA. 515+76.09 LT
17.0' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/3.50% AT ℄

DRWY
STA. 516+80.59 LT
16.8' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/2.00% AT ℄

DRWY
STA. 517+96.81 LT
22.0' WIDE PAVED APPROACH
(8") GRADE= 0.50%
(5' ADA PATH)/0.16% AT ℄

DRWY
STA. 518+23.17 LT
18.4' WIDE PAVED APPROACH
(8") GRADE= 0.50%
(5' ADA PATH)/-1.40% AT ℄

MATCHLINE STA. 513+50

MATCHLINE STA. 518+50

515

SMALL RADIUS PERPENDICULAR CURB RAMP

BLENDED TRANSITION CURB RAMP

SMALL RADIUS PERPENDICULAR CURB RAMP

SMALL RADIUS PERPENDICULAR CURB RAMP

LARGE RADIUS PERPENDICULAR CURB RAMP

5' SIDEWALK

6' SIDEWALK

6' SIDEWALK

EXIST. R/W

EXIST. R/W

EXIST. R/W

EXIST. R/W

SOUTHCREST WAY

JEDMED CT

CONST. ℄ ROUTE 61/67

MILL AND OVERLAY

NEW C&G

NEW C&G

NEW CONCRETE TYPE B BARRICADE AND HEIGHT TRANSITION

START STA 0+00.00

END STA 4+88.18

PC STA 514+07.79

PT STA 516+44.98

PC STA 517+67.56

N21°56'00"E

N11°52'00"E

57°08'35"

48°40'57"

90°

E LINE U.S. SURVEY 403

W LINE U.S. SURVEY 3118

EX FL BOX CULVERT-419.80 (UIP)

EXIST. FL FES 18" RCP 32K1-117D (UIP)

EXIST. FL FES 36" RCP 32K1-349D (UIP)

EXIST. STORM CATCH INLET(UIP) 32K1-231D

EXIST. STORM MH 32K1-227D (UIP)

EXIST. STORM GRATE INLET 32K1-230D (UIP)

EXIST. STORM CATCH INLET 32K1-207D (UIP)

EXIST. STORM CATCH BASIN 32K1-102D (UIP)

EXIST. STORM MH 32K1-104D (UIP)

EXIST. STORM MH 32K1-101D (UIP)

EXIST. STORM MH 32K1-0323D (UIP)

EXIST. STORM GRATE INLET 32K1-0322D (UIP)

EXIST. STORM MH 32K1-0320D (UIP)

EXIST. STORM MH 32K1-0319D (UIP)

EXIST. STORM GRATE INLET (UIP)

EXIST. STORM GRATE INLET 32K1-0321D (UIP)

EXIST. STORM GRATE INLET 32K1-100D (UIP)

EX FL BOX CULVERT-421.90 (UIP)

EX SIGN (UIP)

EX MB (UIP)

EX MB (RELOC)

EX GUARDRAIL (R)

EX LIGHT (UIP)

EX PP (UIP)

T.C.E.

P.H.E.

STA 514+00.00 OFF 35.00' LT.

STA 514+47.48 OFF 38.23' LT.

STA 514+57.76 OFF 38.71' LT.

STA 514+90.87 OFF 39.76' LT.

STA 515+01.17 OFF 39.92' LT.

STA 515+10.00 OFF 40.00' LT.

STA 515+00.00 OFF 25.00' RT.

STA 514+81.91 OFF 32.11' RT.

STA 515+35.00 OFF 48.50' LT.

STA 516+09.21 OFF 48.50' LT.

STA 515+32.64 OFF 25.00' RT.

STA 515+45.51 OFF 25.00' RT.

STA 516+20.03 OFF 25.00' RT.

STA 516+10.21 OFF 25.00' RT.

STA 516+85.00 OFF 48.50' LT.

STA 516+91.00 OFF 37.00' LT.

STA 516+95.00 OFF 45.00' LT.

STA 516+59.78 OFF 48.50' LT.

STA 517+85.11 OFF 51.00' LT.

STA 517+78.00 OFF 51.00' LT.

STA 517+63.00 OFF 37.00' LT.

STA 517+61.70 OFF 43.00' LT.

STA 517+82.33 OFF 65.99' LT.

STA 518+39.35 OFF 67.61' LT.

STA 518+45.39 OFF 51.00' LT.

STA 518+35.39 OFF 51.00' LT.

STA 517+69.24 OFF 25.00' RT.

STA 517+79.24 OFF 25.00' RT.

STA 518+35.27 OFF 24.50' RT.

STA 518+45.27 OFF 25.00' RT.

STA 518+09.53 RT
32.0' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-4.00% AT ℄

(13)
6100 LEMAY FERRY RD
NF
BLUMEYER FOUNDATION
DB 6617 PG 656
130,623 SQ. FT. ORIGINAL
612 SQ. FT. T.C.E.
130,623 SQ. FT. REMAINING

DRWY
STA. 515+76.09 RT
50.0' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-4.00% AT ℄

5461 BAUMGARTNER RD
NF
5461 BAUMGARTNER LLC
DB 22760 PG 1766
NO ACQUISITION

5416 JEDMED CT
NF
DLK INC A MISSOURI CORPORATION
DB 8671 PG 122
NO ACQUISITION

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 10 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	14

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

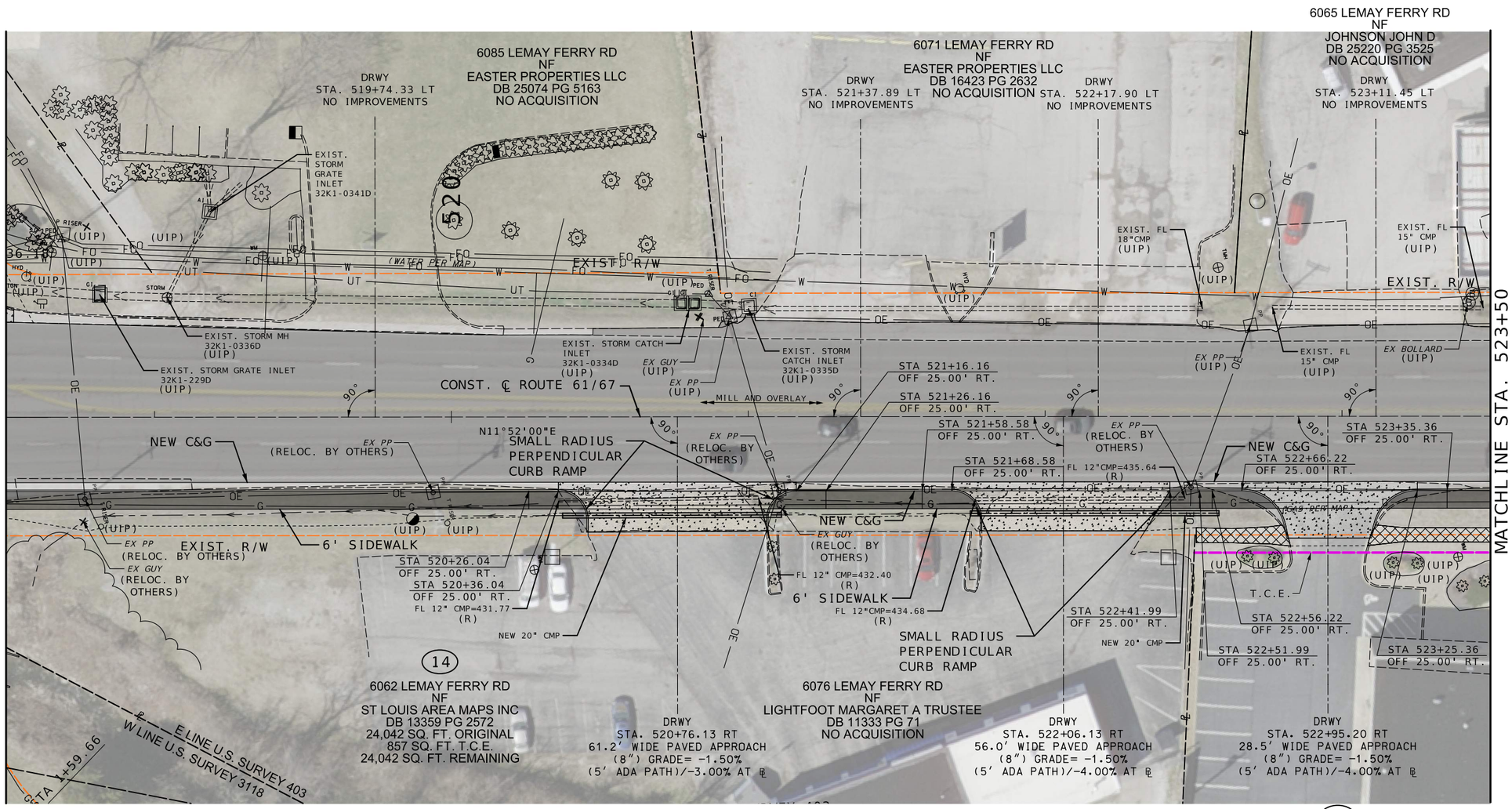
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

SCALE

0 20 40 60

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- EXISTING RIGHT-OF-WAY (EXIST. R/W)
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- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 11 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	15

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

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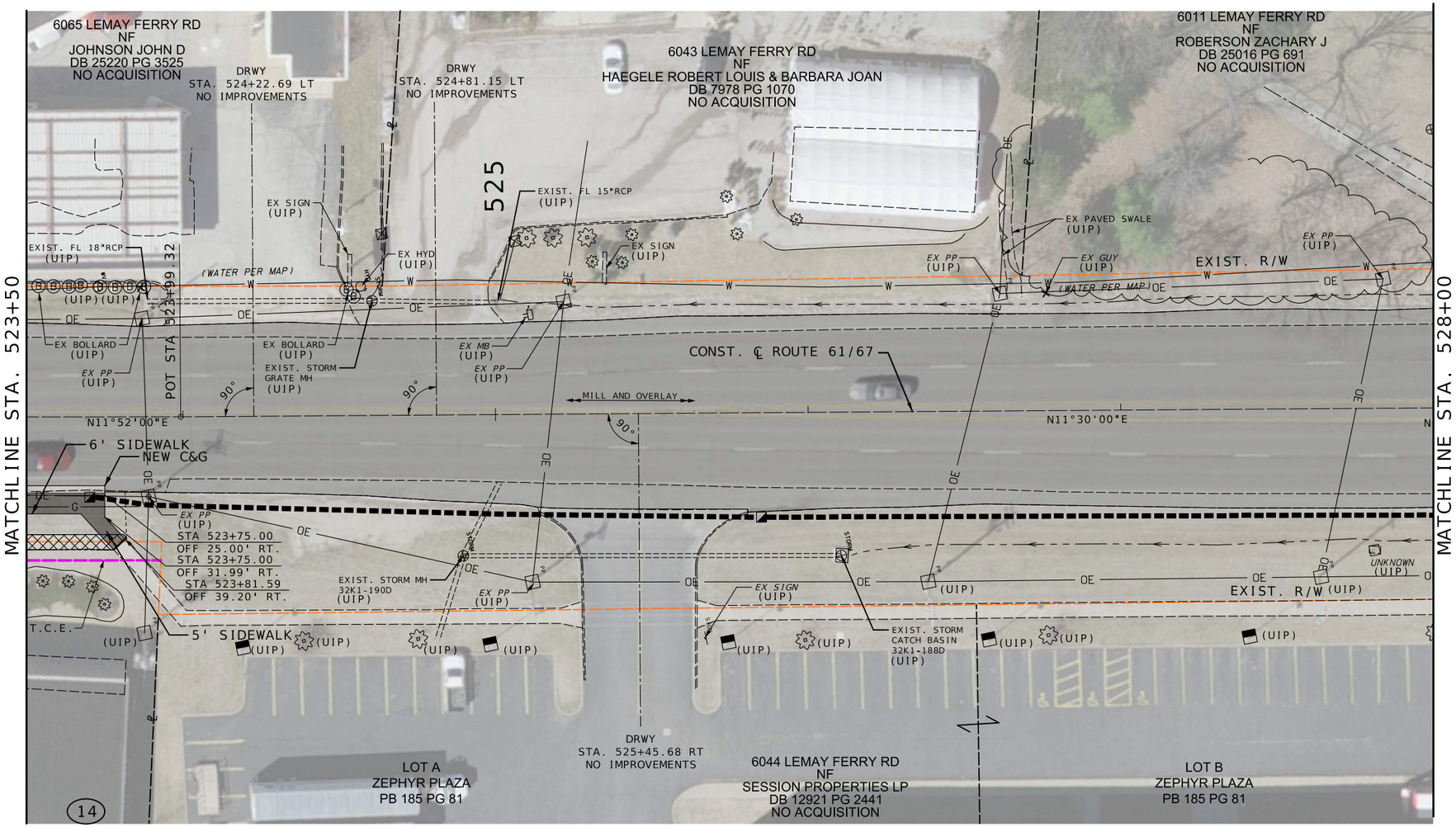
SCALE

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LOT 1



PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
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- CRACK SEALING
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- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 12 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	16

COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

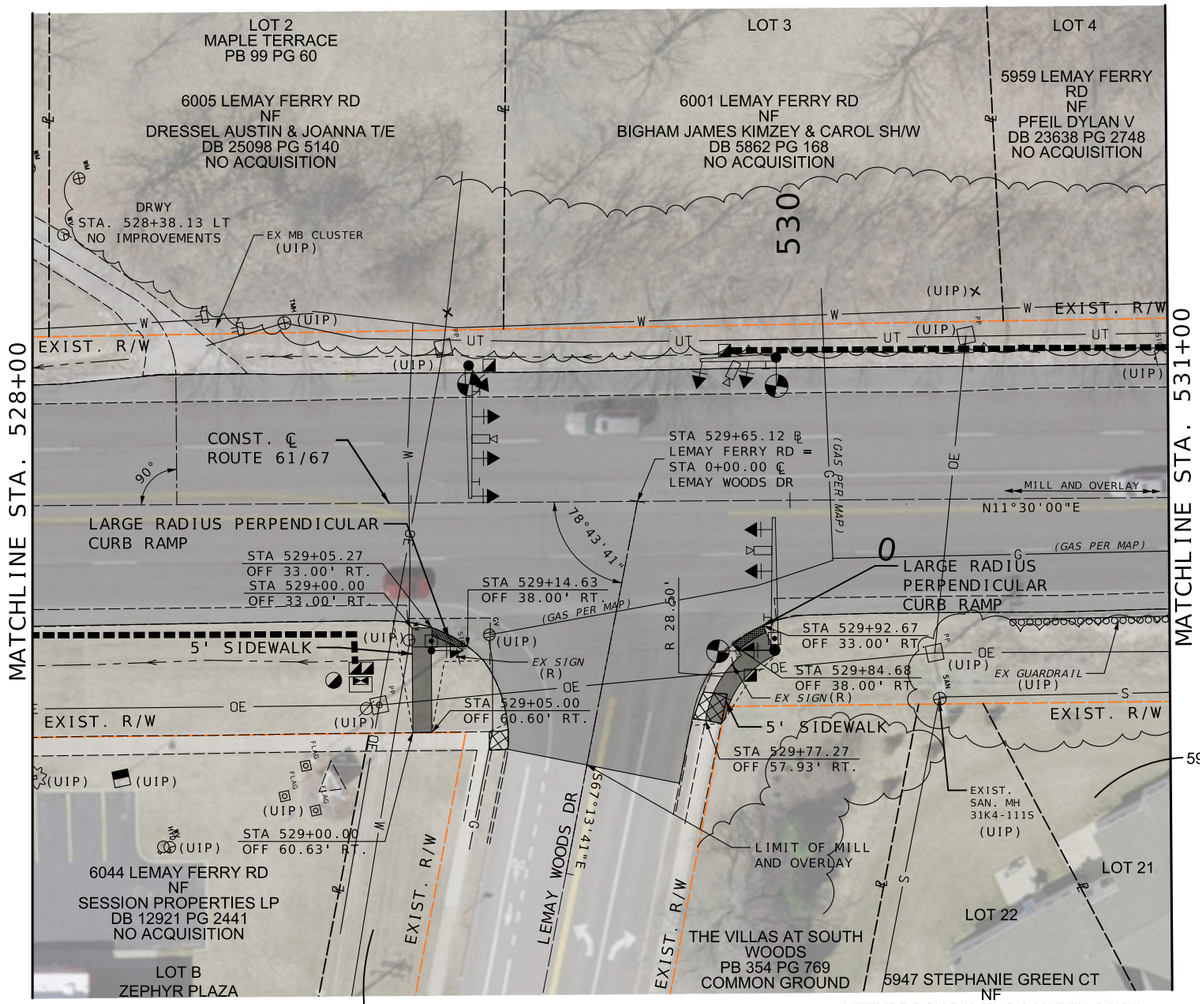
EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

25MSD-00224 ; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

N:\E23024 GBA - MoDOT 61-67 Lemay\drawings\Output\016_PL_12_J6S3578_I20.dgn 11:00:43 AM 7/28/2025

SCALE

0 20 40 60



PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
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STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	17

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

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ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
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SHEET 13 OF 48

PLAN SHEET

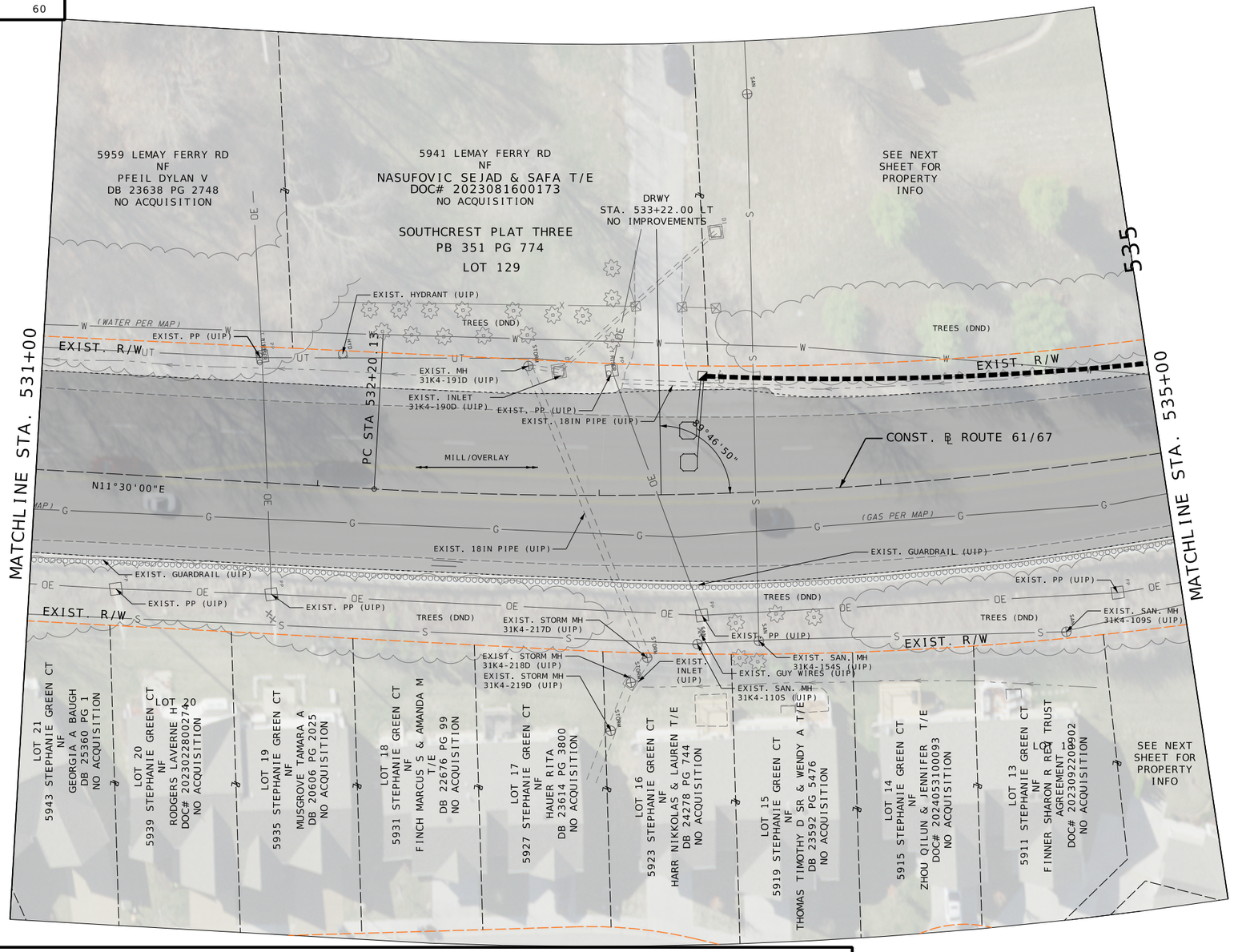
US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

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PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

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

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	18

COUNTY: ST. LOUIS

JOB NO.: J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 14 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

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EXIST_61/67	
PI	535+90.08
PC	532+20.13
PT	539+42.30
Δ	30°39'0.0" (LT)
D	4°14'38.9"
L	722.17' (ARC)
T	369.95'
R	1,350.00'

4332 NORTHPOINT CIR
NF
GOMEZ EMERITA C & ARNOLD M H/H
DB 21728 PG 2936
NO ACQUISITION

4328 NORTHPOINT CIR
NF
SINANAGIC EDIN & AZRA H/W
DB 16859 PG 400
NO ACQUISITION

4324 NORTHPOINT CIR
NF
KANTAREVIC SAMIR ET AL J/T
DB 24906 PG 4563
NO ACQUISITION

4320 NORTHPOINT CIR
NF
KAPIC FIKRET & HATA T/E
DOC# 2024051700514
NO ACQUISITION

5901 LEMAY FERRY RD
NF
BERRA JOHN H JR ETAL, TRUSTEES
DB 15450 PG 1018
COMMON GROUND
SOUTHCREST PLAT 2 PB 351 PG 771
NO ACQUISITION

535

540

MATCHLINE STA. 535+00

MATCHLINE STA. 540+00

EXIST. TELE. MH (UIP)

EXIST. TELE. MH (UIP)

EXIST. R/W

(WATER PER MAP)

STA. 537+70 LT.
INSTALL W3-3

TREES (DND)

SEE NEXT SHEET FOR PROPERTY INFO

EXIST. HYDRANT (UIP)

EXIST. R/W

PT STA. 539+42.30

N19°09'00"W

CONST. ℄ ROUTE 61/67

MILL/OVERLAY

TREES (DND)

EXIST. ELEC. METER (UIP)

EXIST. PP (UIP)

EXIST. PULL BOX (UIP)

EXIST. MH
31K4-108S (UIP)

EXIST. R/W

EXIST. PP (UIP)

EXIST. SIDEWALK (UIP)

EXIST. GUARDRAIL (UIP)

EXIST. R/W

TREES (DND)

EXIST. PP (UIP)

EXIST. INLET (UIP)
31K4-126D

LOT 12
5907 STEPHANIE GREEN CT
LOT NF
HERLETH SALLY TRUST
DOC# 2024021500429
THE VILLAS AT SOUTH WOODS
PB 354 PG 769
NO ACQUISITION

5666 PROVIDENCE PLACE DR
NF
PROVIDENCE PLACE TRUSTEES
DB 10551 PG 1648
NO ACQUISITION

5731 WICKERSHIRE LN
NF
ANTHONY PAUL T & TAMARA M T/E
DB 15922 PG 2372
NO ACQUISITION

5727 WICKERSHIRE LN
NF
JOHNSTON BRIAN & MOORE
MICHELLE T/E
DOC# 2023080700438
NO ACQUISITION

5723 WICKERSHIRE LN
NF
RUMPING COLLEEN M
DB 20570 PG 1303
NO ACQUISITION

5719 WICKERSHIRE LN
NF
KULJANIN DENIS &
CAUSEVIC AJKA T/E
DB 25116 PG 420
NO ACQUISITION

5715 WICKERSHIRE LN
NF
HUESGEN STEVEN L
BARBARA L H/W J/T
DB 12345 PG 2251
NO ACQUISITION

SEE NEXT SHEET FOR PROPERTY INFO

5739 WICKERSHIRE LN
NF
SANDWEG MARK J SANDRA M H/W
DB 13213 PG 2557
NO ACQUISITION

5735 WICKERSHIRE LN
NF
TITUS DOUGLAS T & JENNIFER L H/W
DB 21000 PG 632
NO ACQUISITION

PROVIDENCE PLACE
PB 337 PG 37

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

DATE PREPARED: 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	19

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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

GBA
16305 SWINGLEY RIDGE RD ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 15 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

25MSD-00224; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

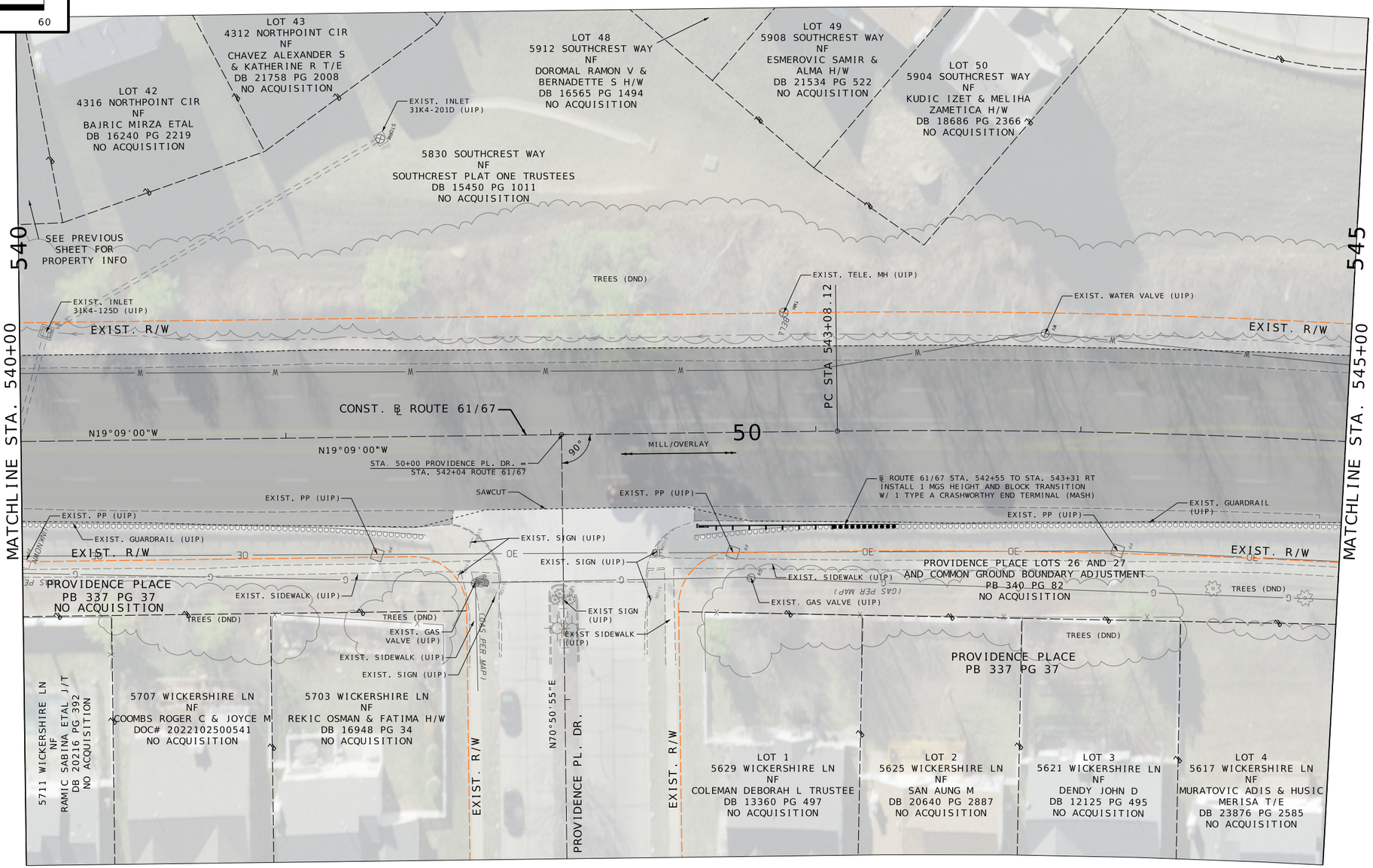
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7/25/2025

SCALE

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PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/28/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 20
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

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PROFESSIONAL
ENGINEER
PE-2023008624

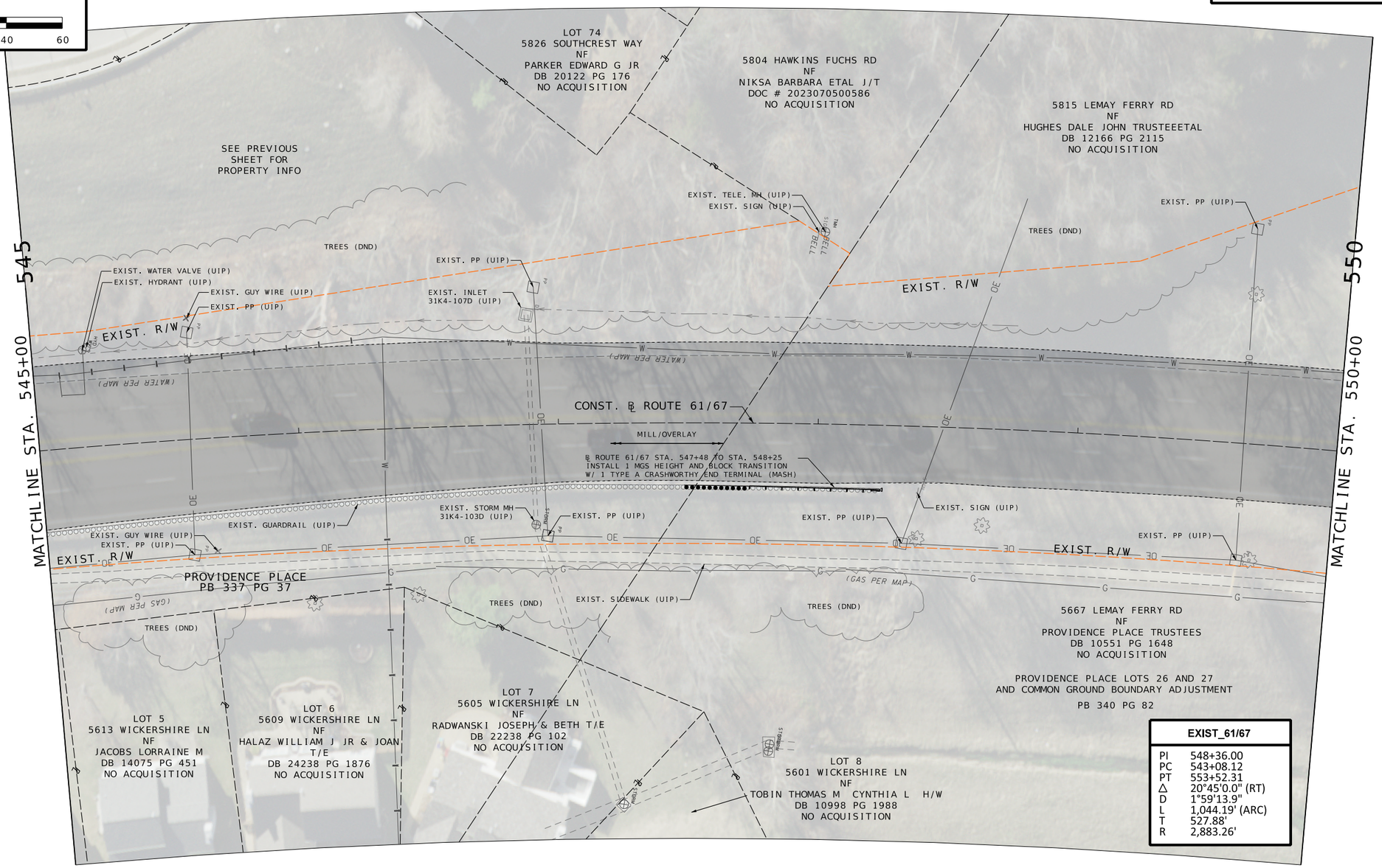
SHEET 16 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE
0 20 40 60

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EXIST_61/67	
PI	548+36.00
PC	543+08.12
PT	553+52.31
△	20°45'0.0" (RT)
D	1°59'13.9"
L	1,044.19' (ARC)
T	527.88'
R	2,883.26'

PLAN SHEET LEGEND

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025
ROUTE: 61/67
STATE: MO
DISTRICT: SL
SHEET NO.: 21
COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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SHEET 17 OF 48

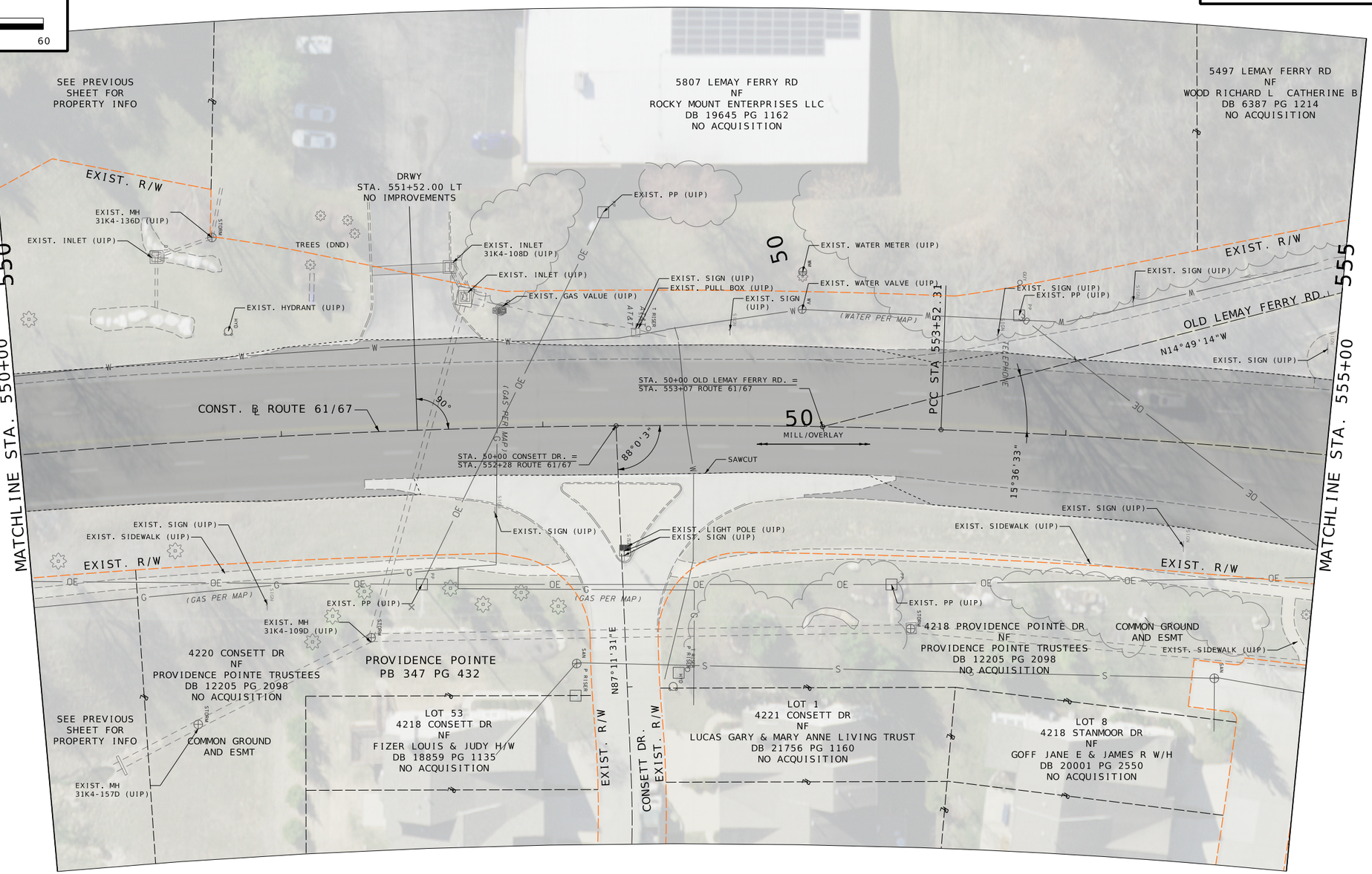
PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

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SHEET 18 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

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7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	22

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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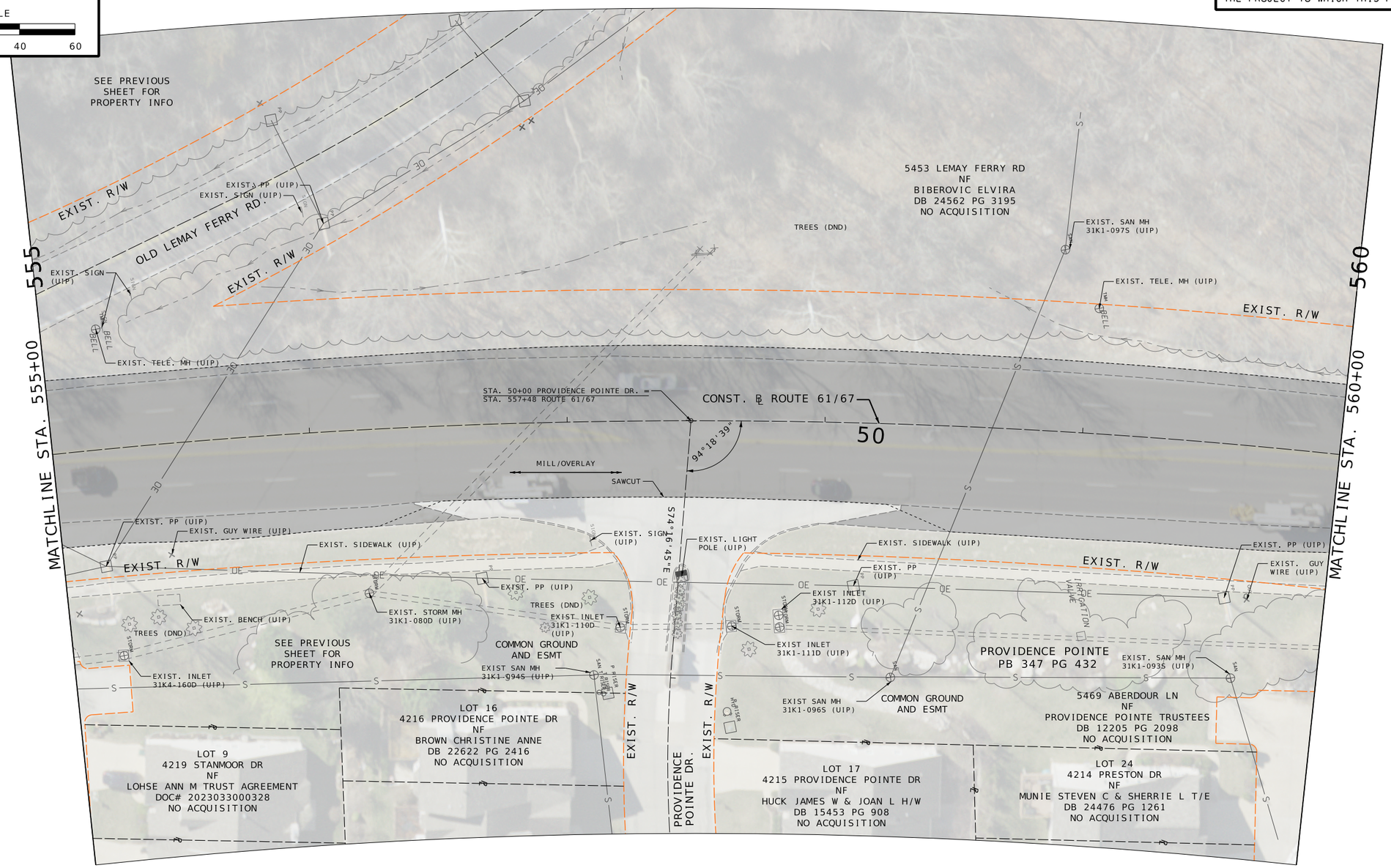
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DISTRICT	SHEET NO.
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SHEET 19 OF 48

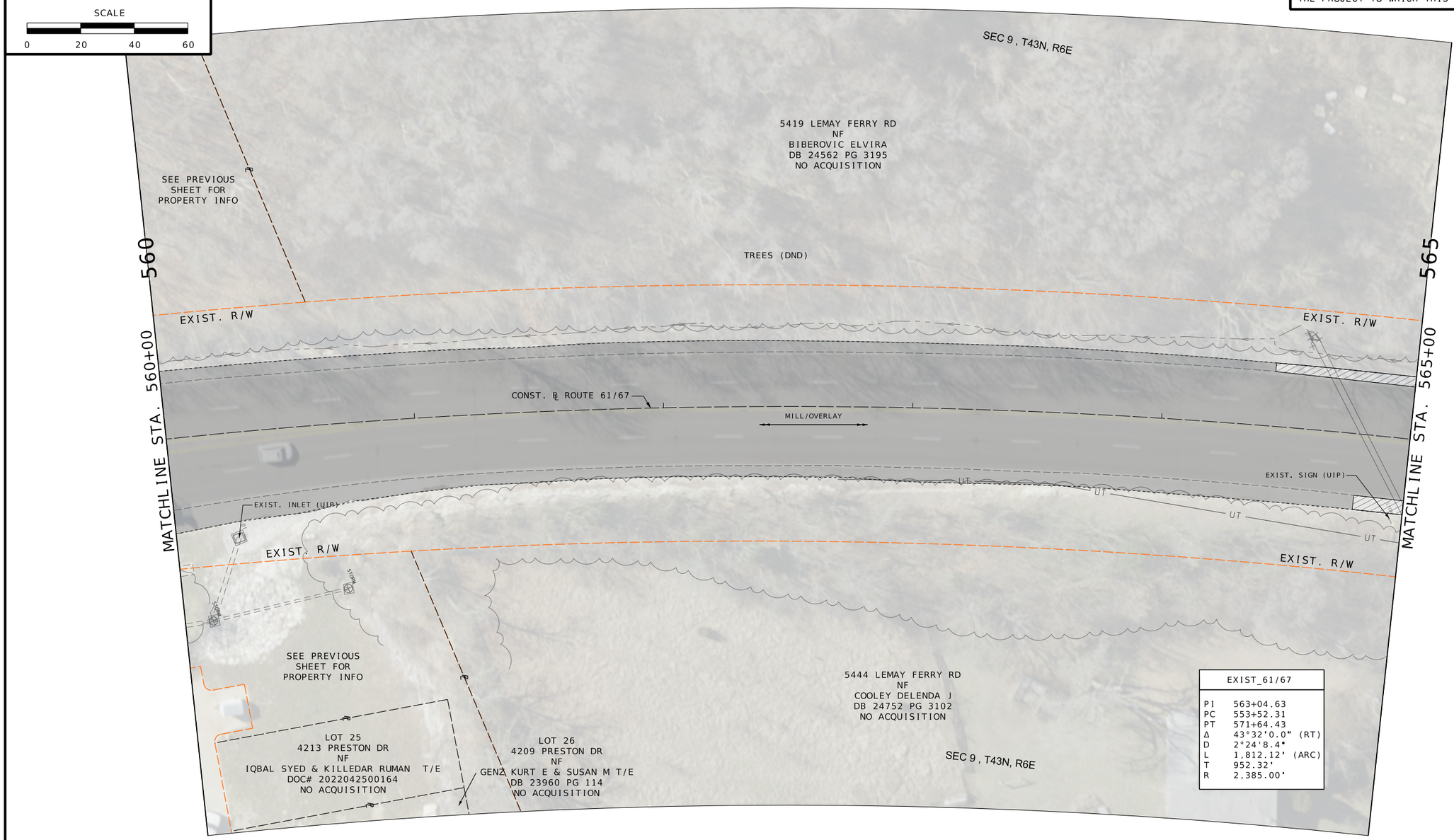
PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

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EXIST_61/67	
PI	563+04.63
PC	553+52.31
PT	571+64.43
Δ	43°32'0.0" (RT)
D	2°24'8.4"
L	1,812.12' (ARC)
T	952.32'
R	2,385.00'

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DATE PREPARED: 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	24

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION / DATE

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SHEET 20 OF 48

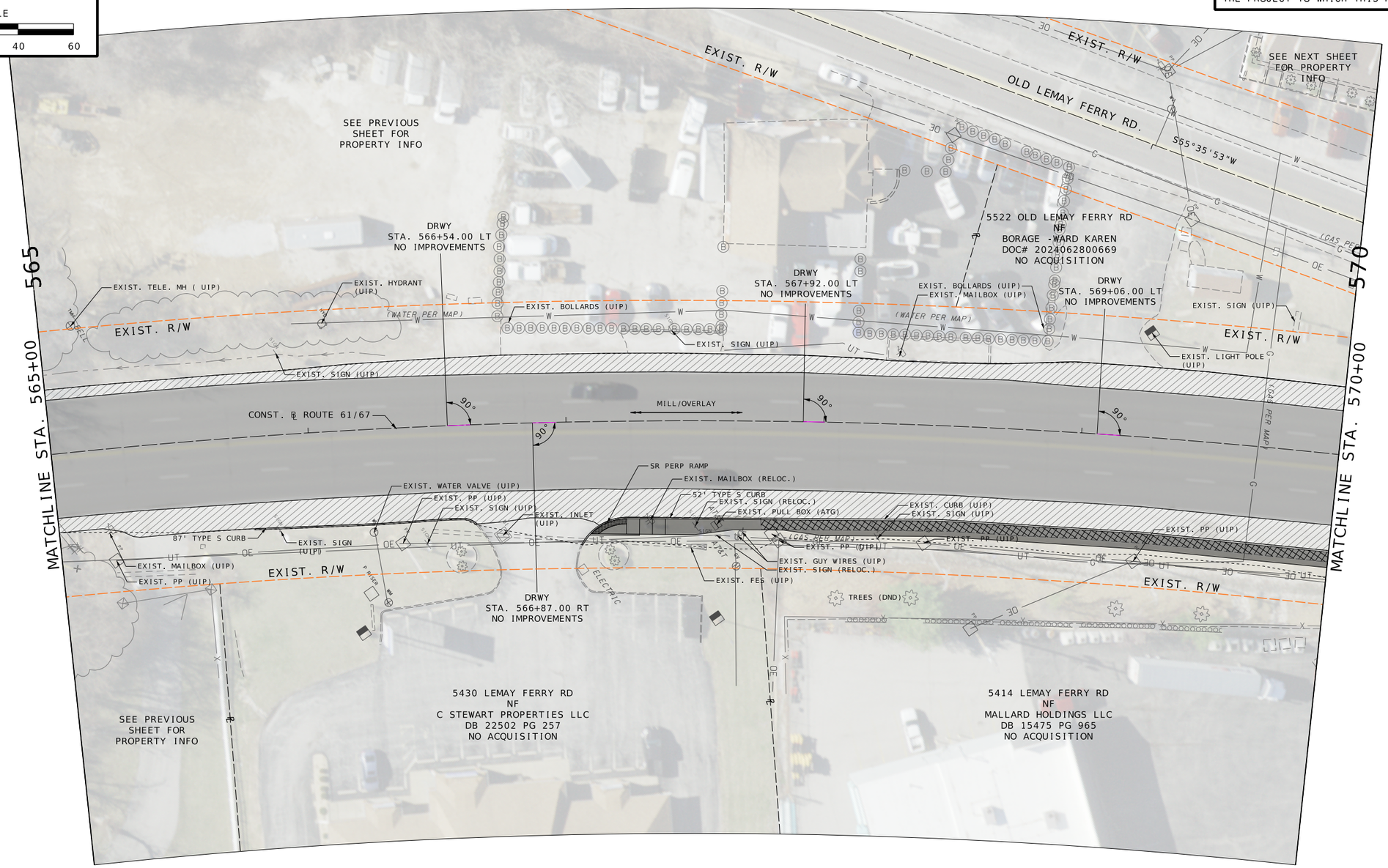
PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

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SHEET 21 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
PROFESSIONAL ENGINEER
BRIAN D. KIERATH JR.
NUMBER PE-2023008624

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DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	25

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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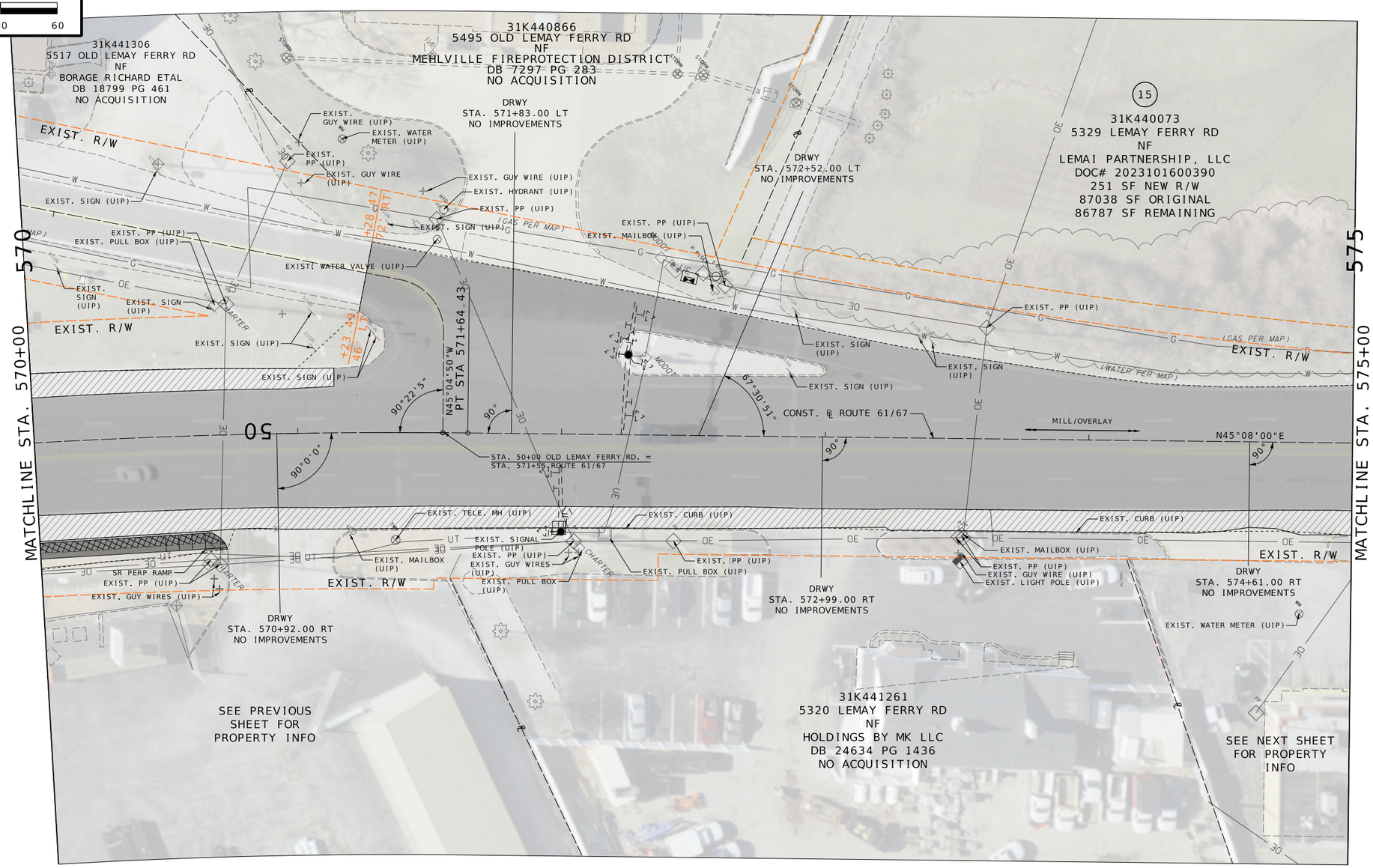
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SCALE

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ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	26

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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

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SHEET 22 OF 48

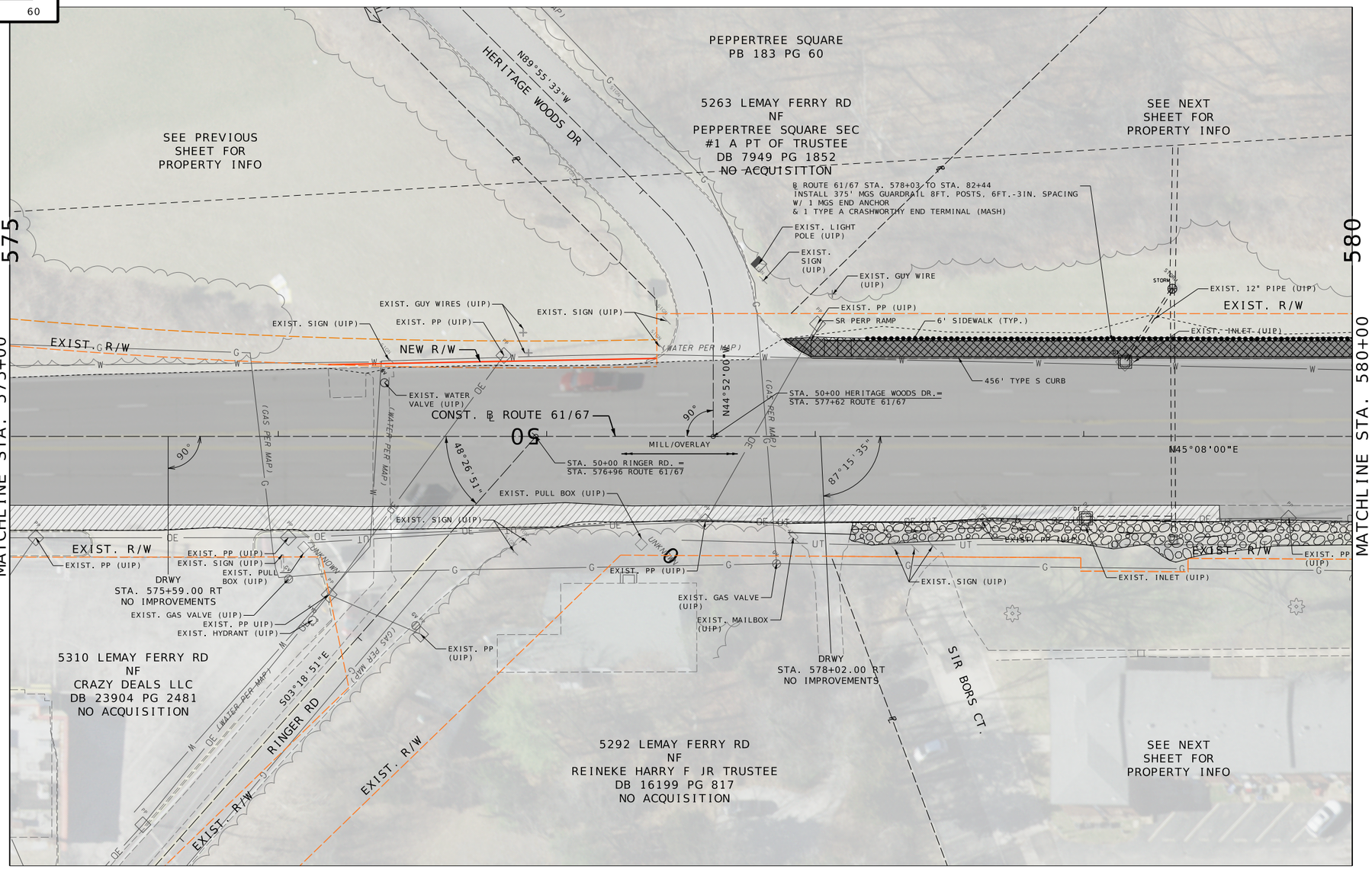
PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

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PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

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ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	27

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JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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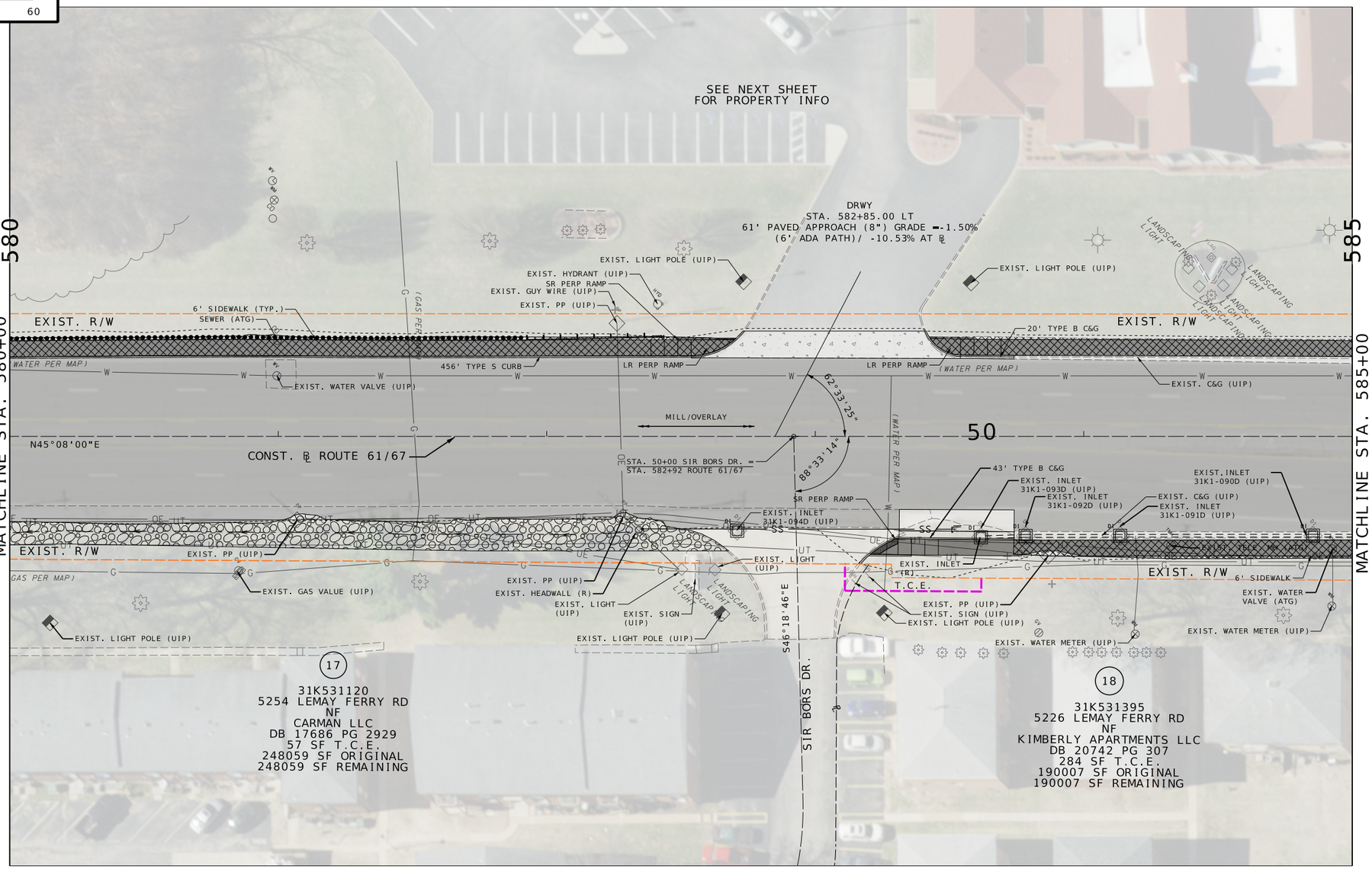
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SHEET 24 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

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BRIAN D. KIERATH JR.
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61/67	MO
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SL	28

COUNTY: ST. LOUIS
JOB NO.: J6S3578
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PROJECT NO.:
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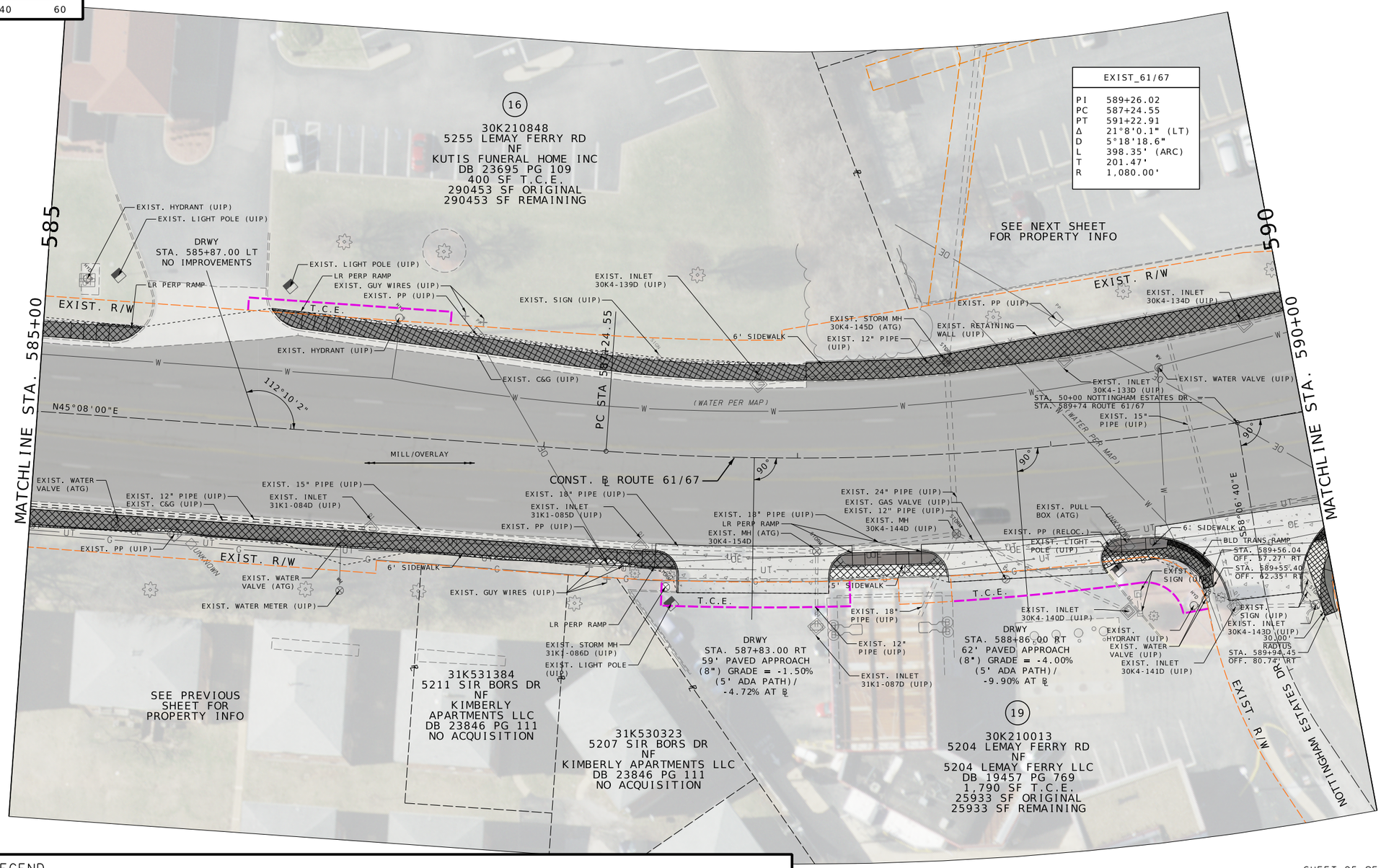
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SHEET 25 OF 48

PLAN SHEET

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LEMAY FERRY ROAD

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DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	29

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

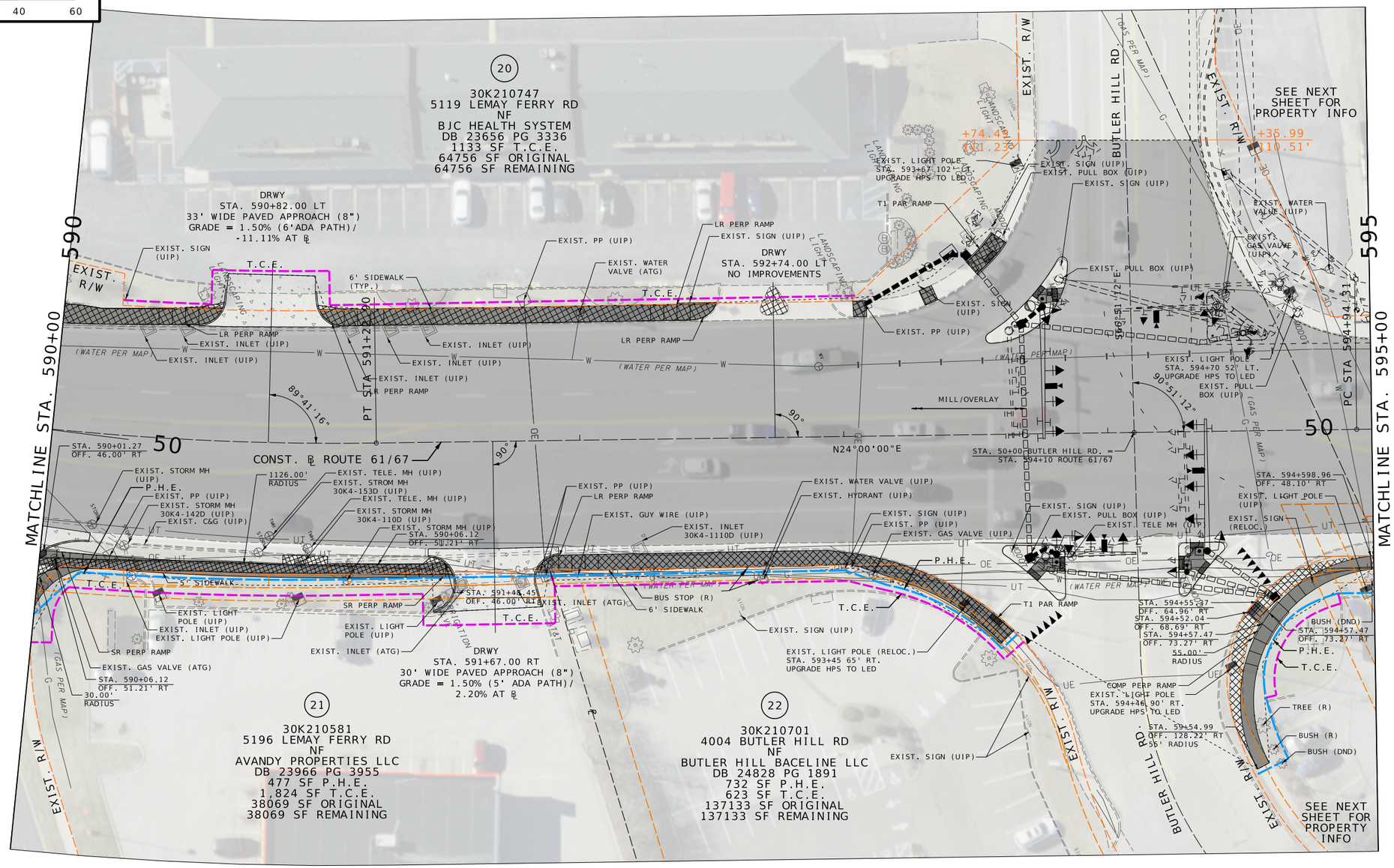
REV.

SCALE

0 20 40 60

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PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
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- SIDEWALK REMOVAL
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- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	30

COUNTY: ST. LOUIS

JOB NO. J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 26 OF 48

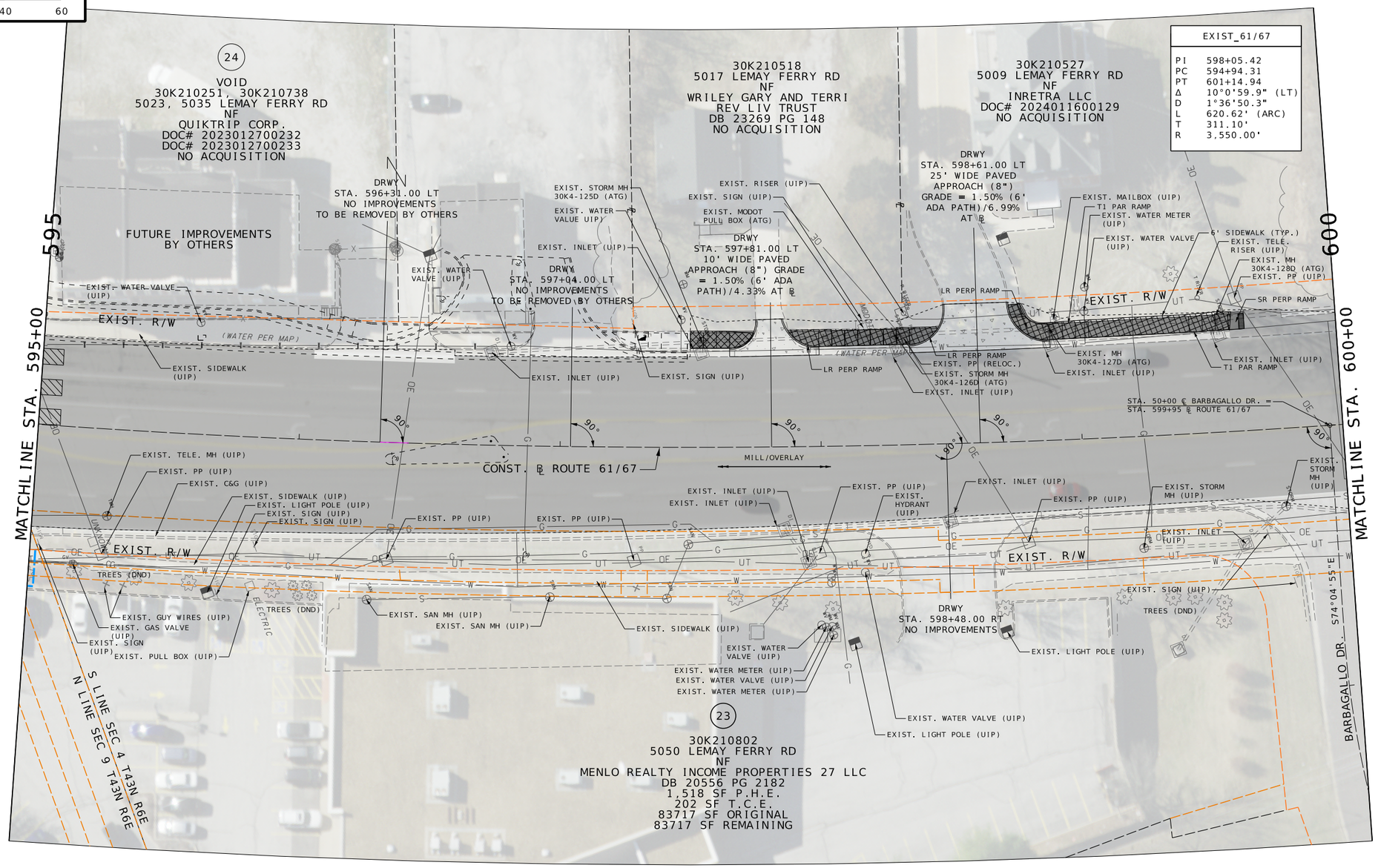
PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

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SHEET 27 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

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ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	31

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DATE	DESCRIPTION

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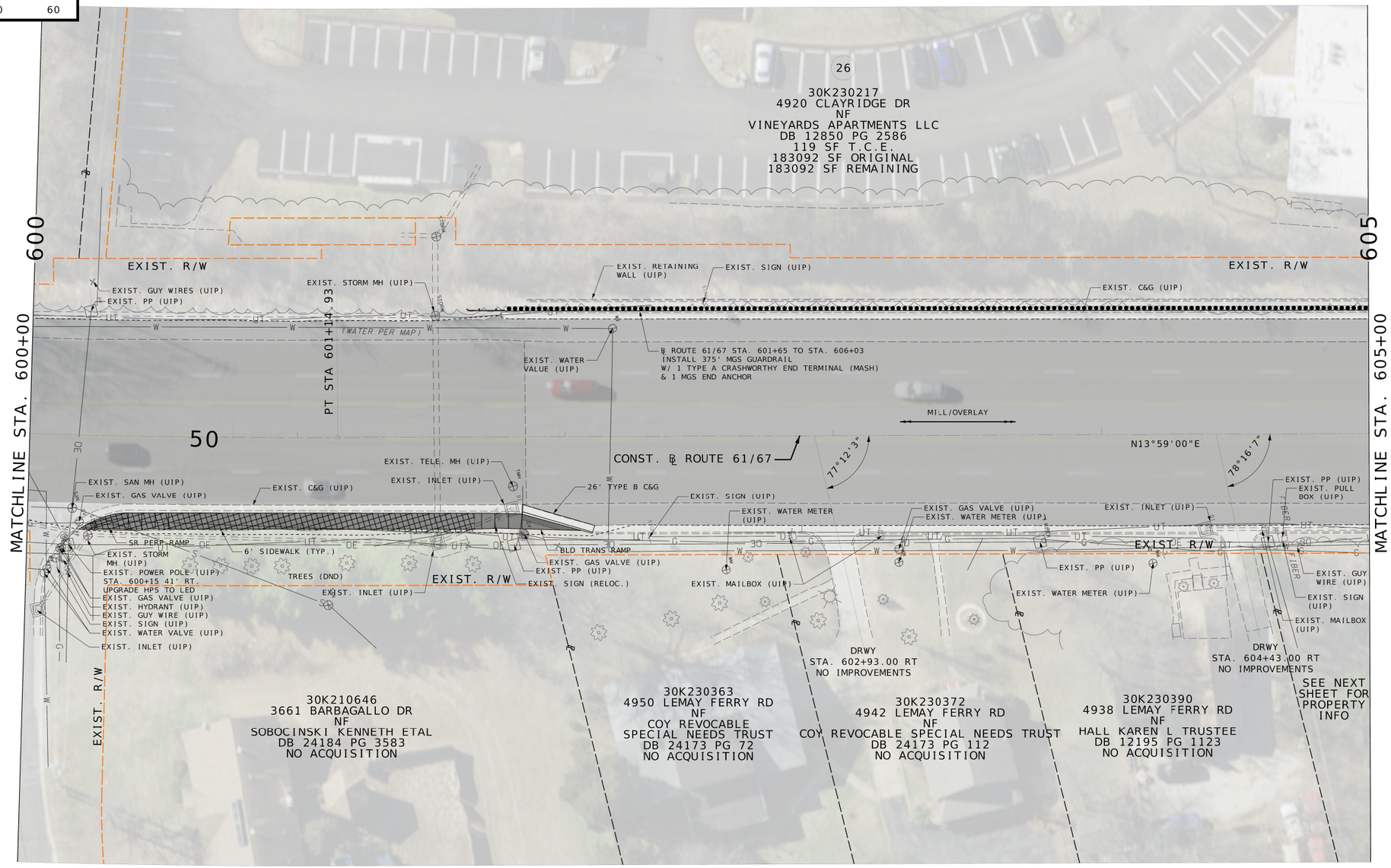
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SHEET 28 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

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BRIAN D. KIERATH JR.
NUMBER PE-2023008624
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61/67	MO
DISTRICT	SHEET NO.
SL	32

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JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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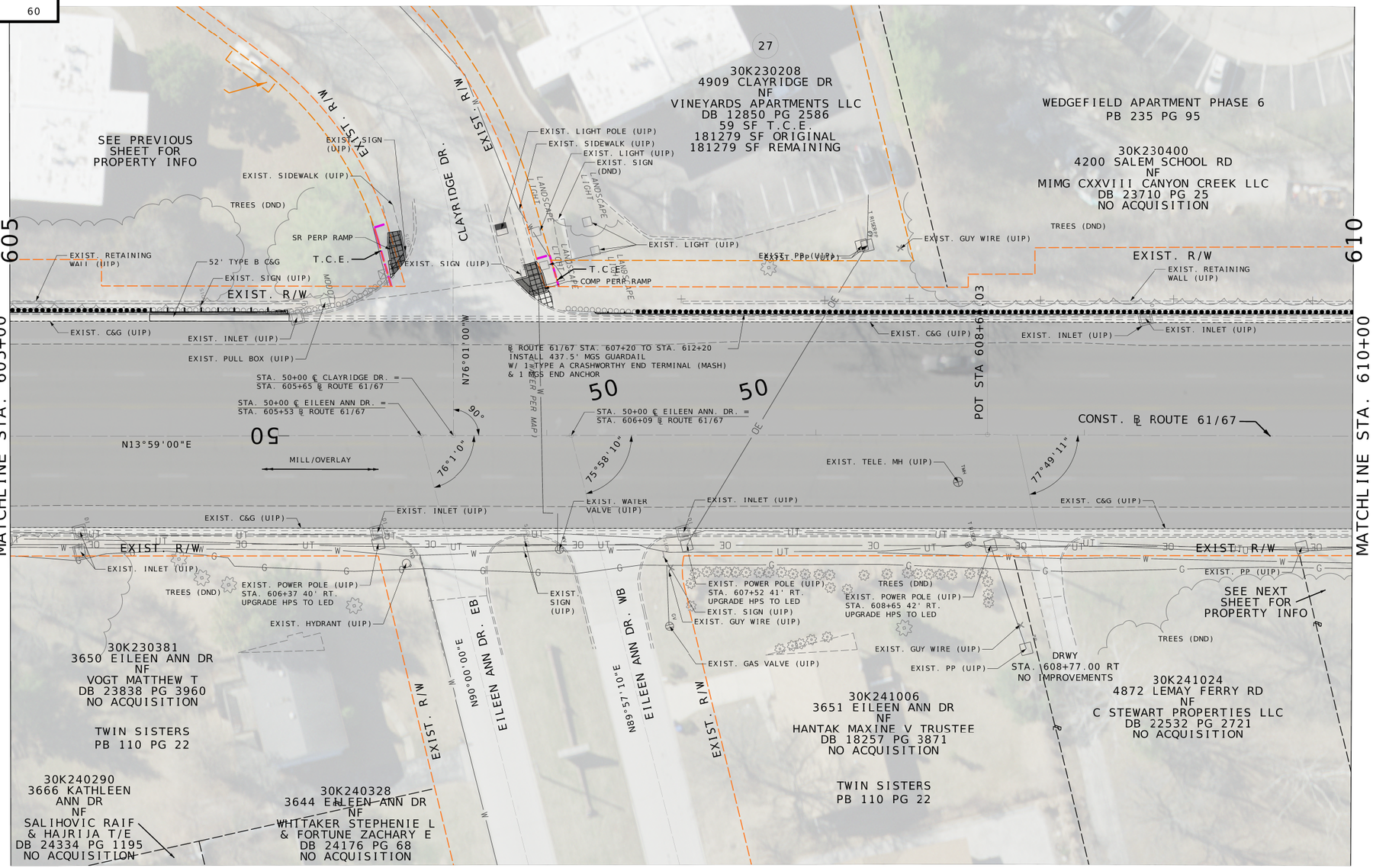
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SCALE

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SHEET 29 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

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ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 33
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

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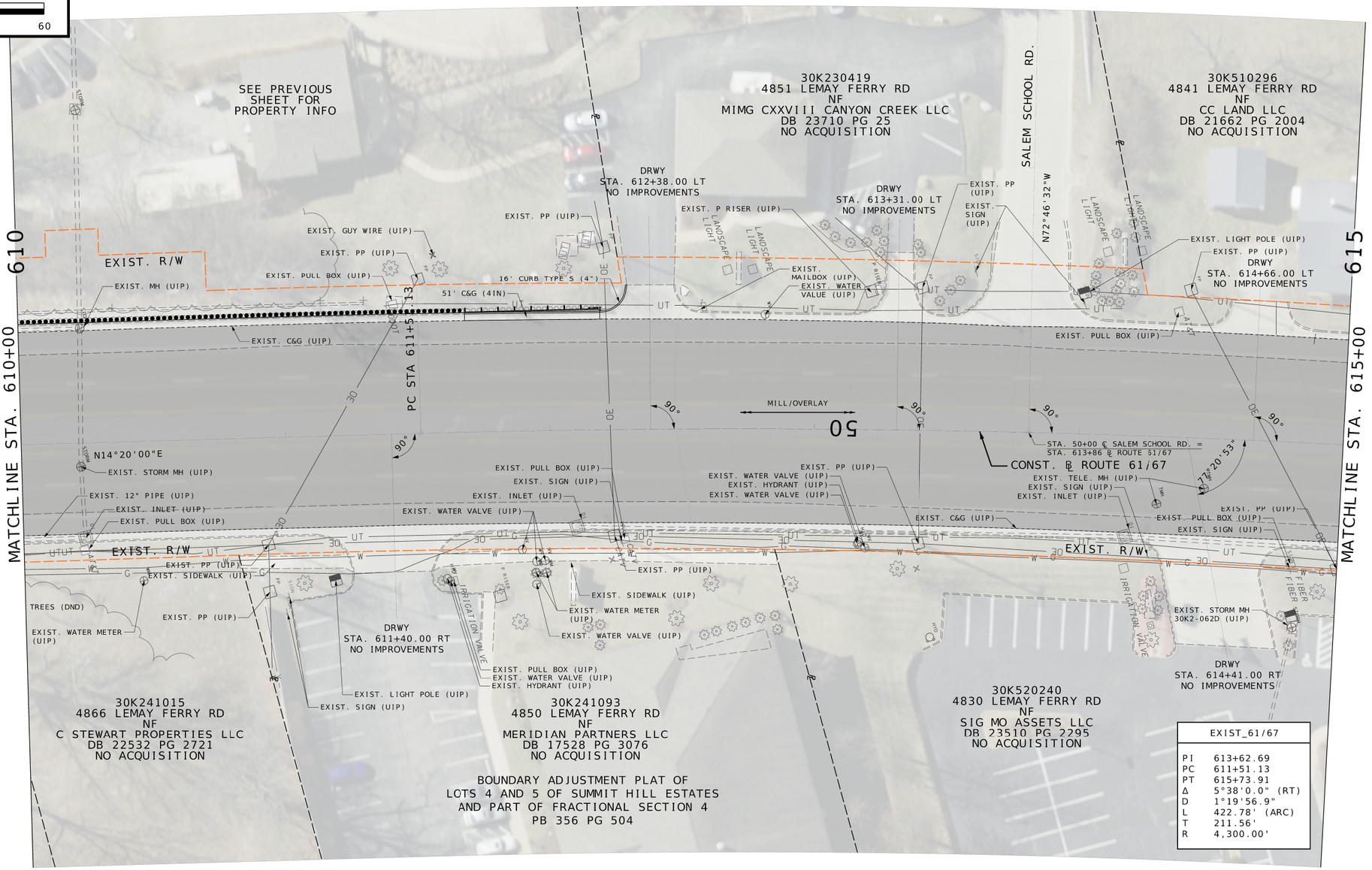
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EXIST_61/67	
PI	613+62.69
PC	611+51.13
PT	615+73.91
Δ	5°38'0.0" (RT)
D	1°19'56.9"
L	422.78' (ARC)
T	211.56'
R	4,300.00'

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SHEET 30 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
PROFESSIONAL ENGINEER
BRIAN D. KIERATH JR.
NUMBER PE-2023008624

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ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	34

COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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JEFFERSON CITY, MO 65102
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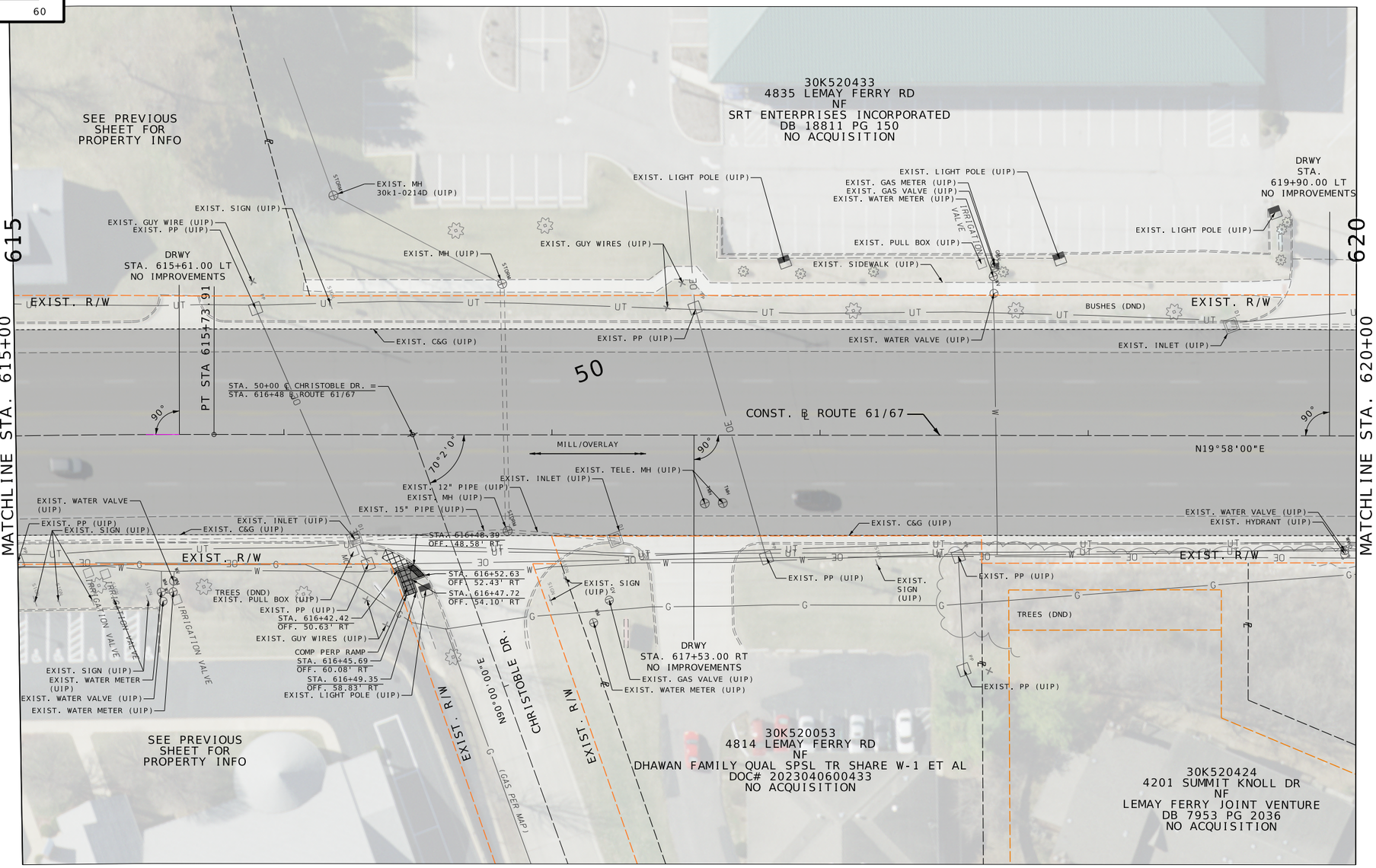
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BRIAN KIERATH
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PE-2023008624

SCALE

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STATE OF MISSOURI PROFESSIONAL ENGINEER
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ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	35

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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PROFESSIONAL ENGINEER
PE-2023008624

SHEET 31 OF 48

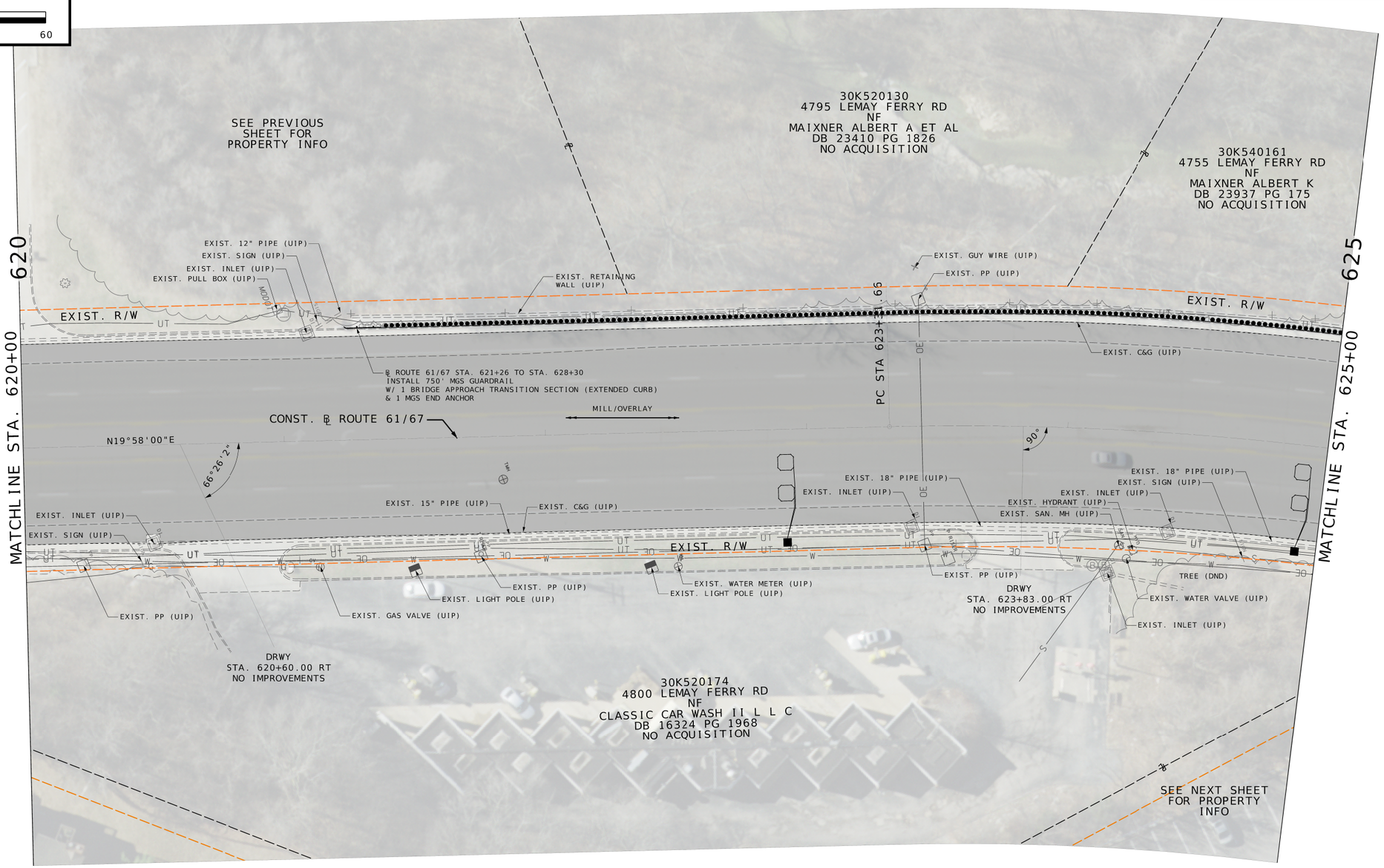
PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

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SHEET 32 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER

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ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	36

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

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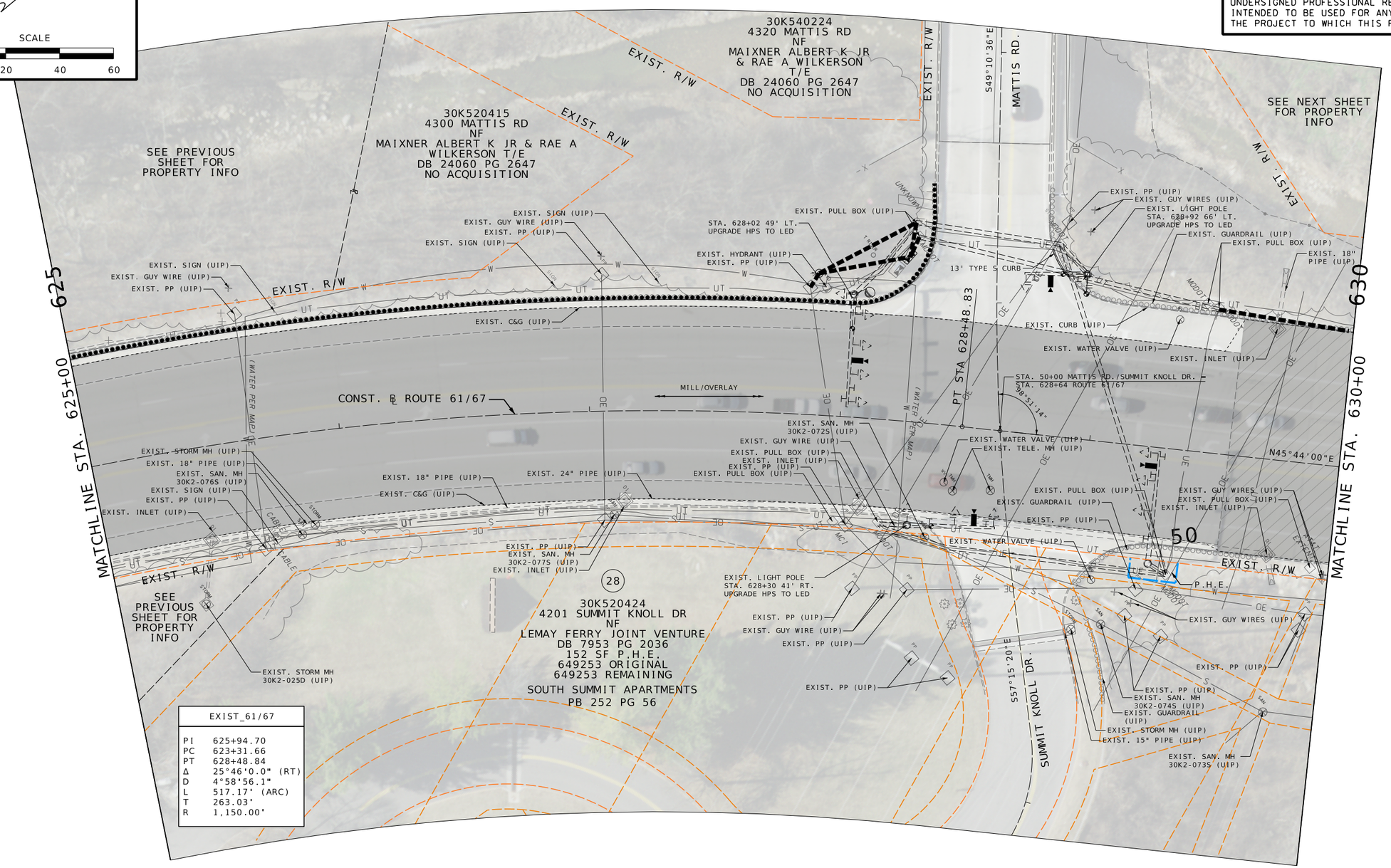
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EXIST_61/67	
PI	625+94.70
PC	623+31.66
PT	628+48.84
Δ	25°46'0.0" (RT)
D	4°58'56.1"
L	517.17' (ARC)
T	263.03'
R	1,150.00'

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
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SHEET 33 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

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29

4655 LEMAY FERRY ROAD BOUNDARY ADJUSTMENT PLAT
PB 355 PG 125
30K540361
4655 LEMAY FERRY RD
NF
FENIX REALTY COMPANY
DB 12629 PG 2487
381 SF T.C.E.
220148 SF ORIGINAL
220148 SF REMAINING

EXIST_61/67	
PI	633+74.65
PC	632+70.16
PT	634+78.10
Δ	14°1'0.0" (LT)
D	6°44'26.4"
L	207.94' (ARC)
T	104.49'
R	850.00'

630

635

MATCHLINE STA. 630+00

MATCHLINE STA. 635+00

EXIST. R/W

EXIST. MH (UIP)

EXIST. 18" PIPE (UIP)

EXIST. BARRIER (UIP)

℄ ROUTE 61/67 STA. 631+32 TO STA. 631+58 LT
INSTALL 25' MGS GUARDRAIL
W/ 1 MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB)
& 1 MGS END ANCHOR

DRWY
STA. 631+96.00 LT
NO IMPROVEMENTS

DRWY
STA. 632+96.00 LT
NO IMPROVEMENTS

EXIST. INLET (UIP)
EXIST. 18" PIPE (UIP)

EXIST. SIGN (UIP)

EXIST. INLET (UIP)
EXIST. SIGN (UIP)
EXIST. 15" PIPE (UIP)
EXIST. PP (UIP)

PC STA 632+70.15

EXIST. INLET (UIP)
EXIST. WATER METER (UIP)
EXIST. PULL BOX (UIP)

PT STA 634+78.09

EXIST. R/W

BRIDGE A5352

N45°44'00"E

90°

90°

STA. 50+00 ℄ KASS EBAUM LN. =
STA. 633+20 ℄ ROUTE 61/67

CONST. ℄ ROUTE 61/67

50

MILL/OVERLAY

ROUTE 61/67 STA. 633+81 TO STA. 634+54
INSTALL 1 TYPE A CRASHWORTHY END TERMINAL (MASH)
W/ 1 MGS HEIGHT AND BLOCK TRANSITION

EXIST. WATER VALVE (UIP)
EXIST. INLET (UIP)
EXIST. GUY WIRES (UIP)
EXIST. GUARDRAIL (UIP)

EXIST. PP (UIP)
EXIST. WATER VALVE (UIP)
EXIST. STORM MH (UIP)
EXIST. PP (UIP)
EXIST. HYDRANT (UIP)
EXIST. WATER VALVE (UIP)
EXIST. PP (UIP)
EXIST. SIGN (UIP)

EXIST. SIGN (UIP)
EXIST. PULL BOX (UIP)
EXIST. SIGN (UIP)

EXIST. PP (UIP)
EXIST. SIGN (UIP)
INSTALL 74' C&G (4IN)

EXIST. SIGN (UIP)

EXIST. R/W

EXIST. BARRIER (UIP)

EXIST. PP (UIP)
EXIST. PP (UIP)
EXIST. GUY WIRES (UIP)

BUSHES (QND)

EXIST. GUY WIRES (UIP)

SEE PREVIOUS SHEET FOR PROPERTY INFO

EXIST. WATER VALVE (UIP)

EXIST. SAN. MH 30K2-018S (UIP)

EXIST. GUY WIRES (UIP)

EXIST. LIGHT POLE (UIP)

EXIST. SIDEWALK (UIP)

EXIST. GUY WIRES (UIP)

EXIST. PP (UIP)

EXIST. SIDEWALK (UIP)

EXIST. SIGN (UIP)

EXIST. SIDEWALK (UIP)

EXIST. SAN. MH 30K2-026S (UIP)

EXIST. GUY WIRES (UIP)

S47°37'37"E

KASSEBAUM LN.

EXIST. R/W

E LINE SEC 4 T43N R6E
W LINE SEC 3 T43N R6E

BNSF

PL1603071
NF
HOA
DB 23010 PG 2684 UNIT 301
DB 21744 PG 2467 UNIT 302
NO ACQUISITION

BRIDGEWATER COVE A CONDOMINIUM
PB 354 PG 421

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
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- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 34 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	38

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

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CHESTERFIELD, MO 63017
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GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

25MSD-00224; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

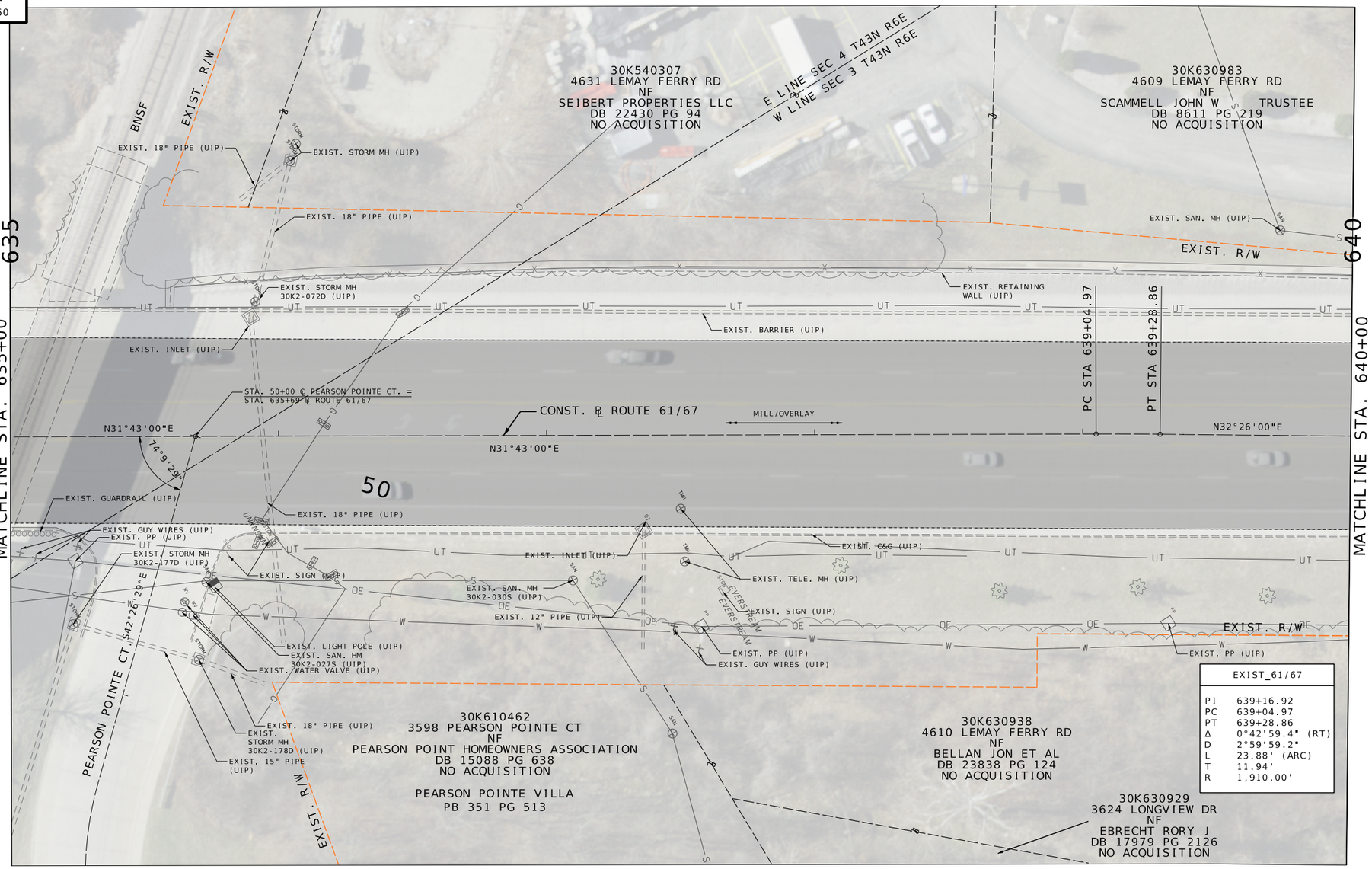
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7/25/2025

SCALE

0 20 40 60

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EXIST_61/67	
PI	639+16.92
PC	639+04.97
PT	639+28.86
Δ	0°42'59.4" (RT)
D	2°59'59.2"
L	23.88' (ARC)
T	11.94'
R	1,910.00'

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
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- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 35 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	39

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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CHESTERFIELD, MO 63017
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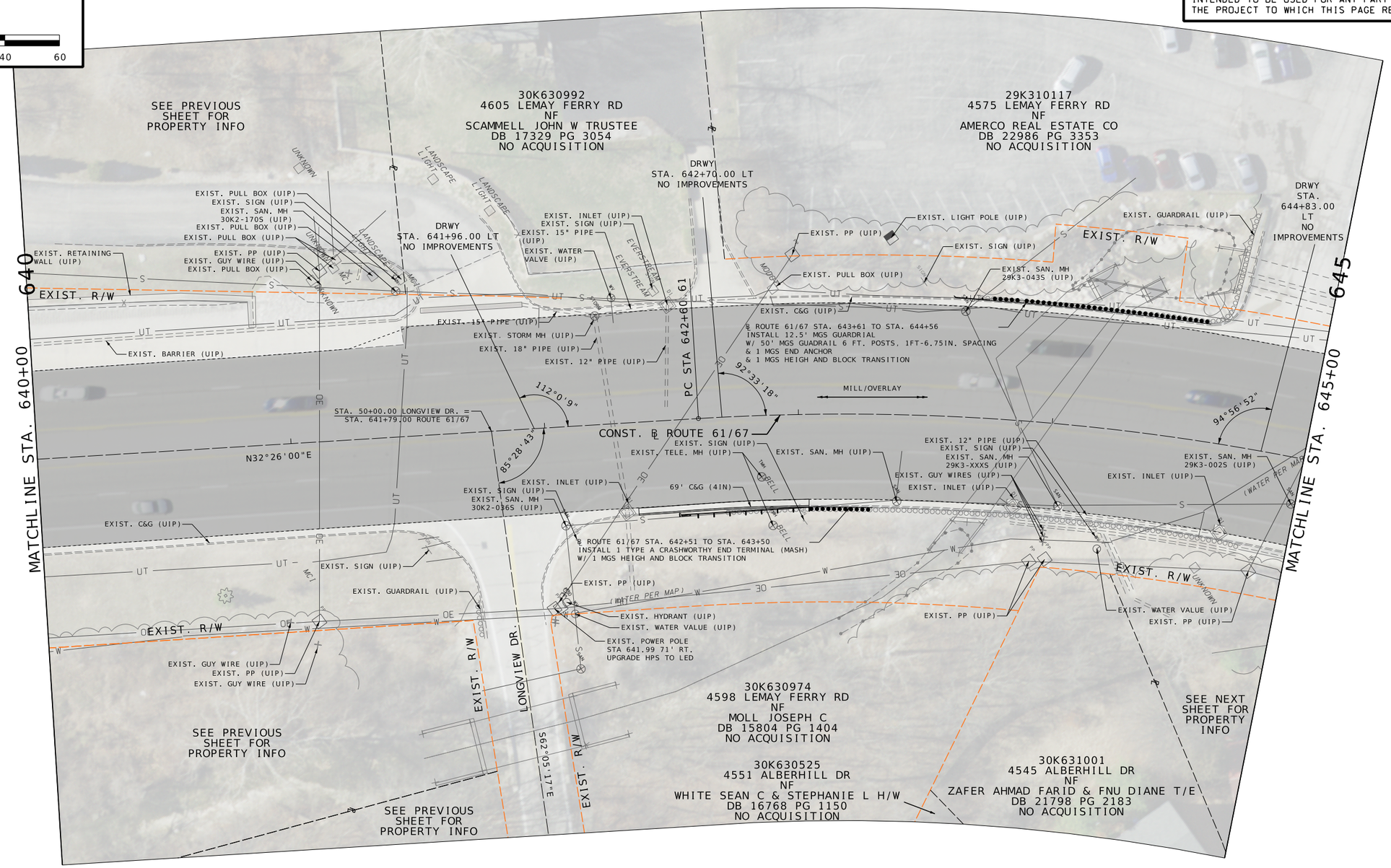
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	40

COUNTY ST. LOUIS

JOB NO. J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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BRIAN KIERATH
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ENGINEER
PE-2023008624

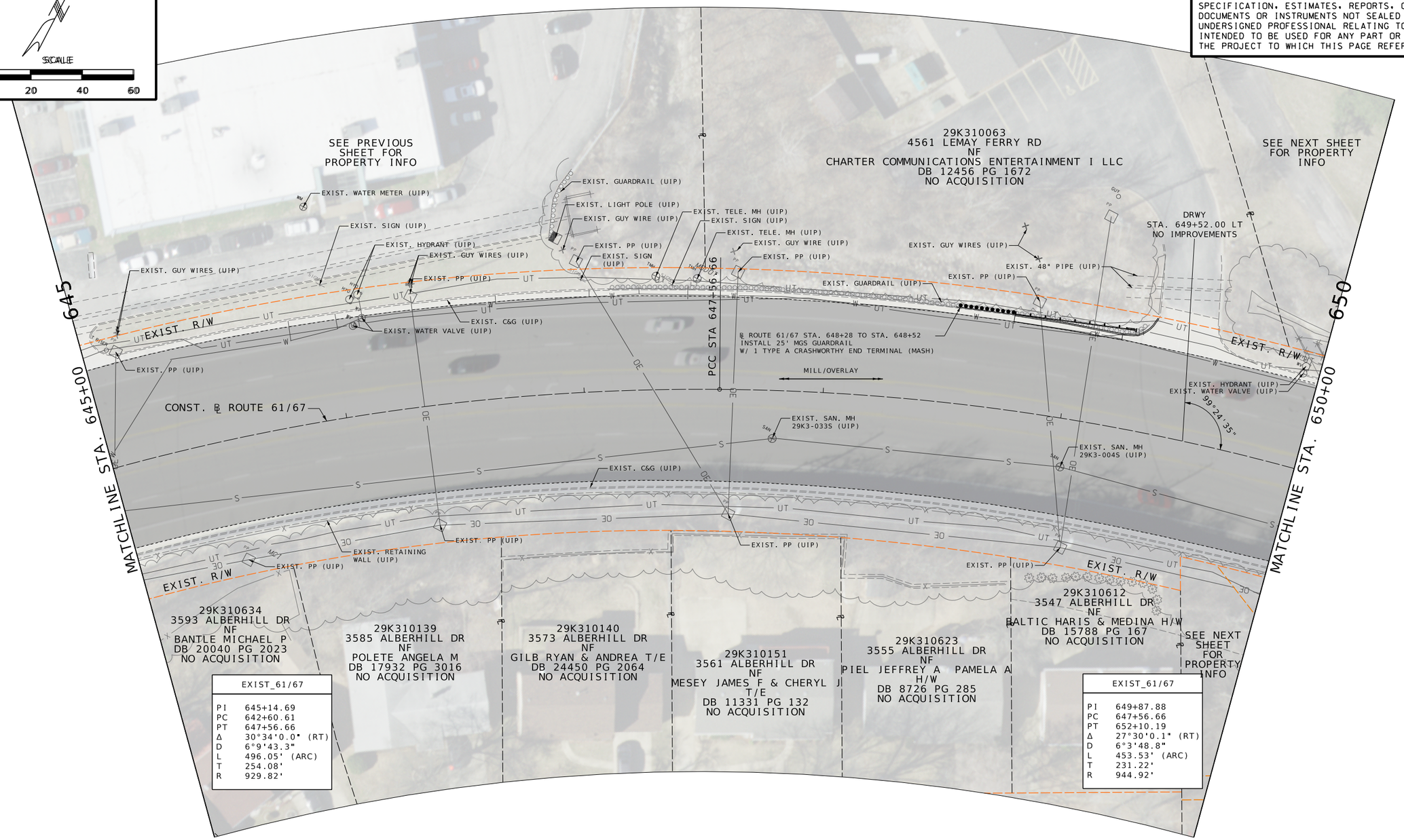
SHEET 36 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE
0 20 40 60

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EXIST_61/67	
PI	645+14.69
PC	642+60.61
PT	647+56.66
Δ	30°34'0.0" (RT)
D	6°9'43.3"
L	496.05' (ARC)
T	254.08'
R	929.82'

EXIST_61/67	
PI	649+87.88
PC	647+56.66
PT	652+10.19
Δ	27°30'0.1" (RT)
D	6°3'48.8"
L	453.53' (ARC)
T	231.22'
R	944.92'

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	41

COUNTY: ST. LOUIS
JOB NO.: J6S3578
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
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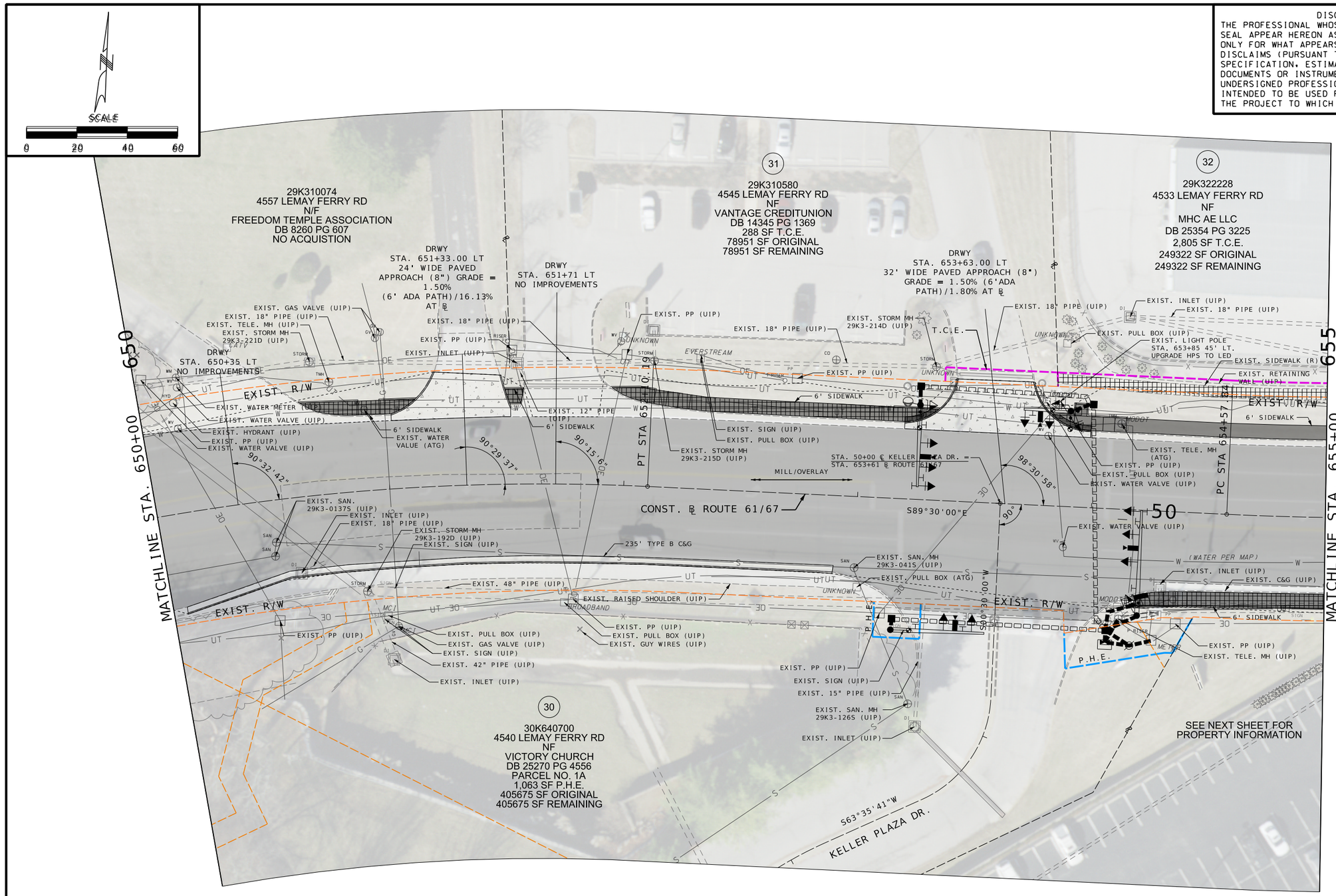
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 37 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD



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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 42
COUNTY ST. LOUIS
JOB NO. J6S3578
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
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PRO. LAND SURVEYOR 000059

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PROFESSIONAL ENGINEER
PE-2023008624

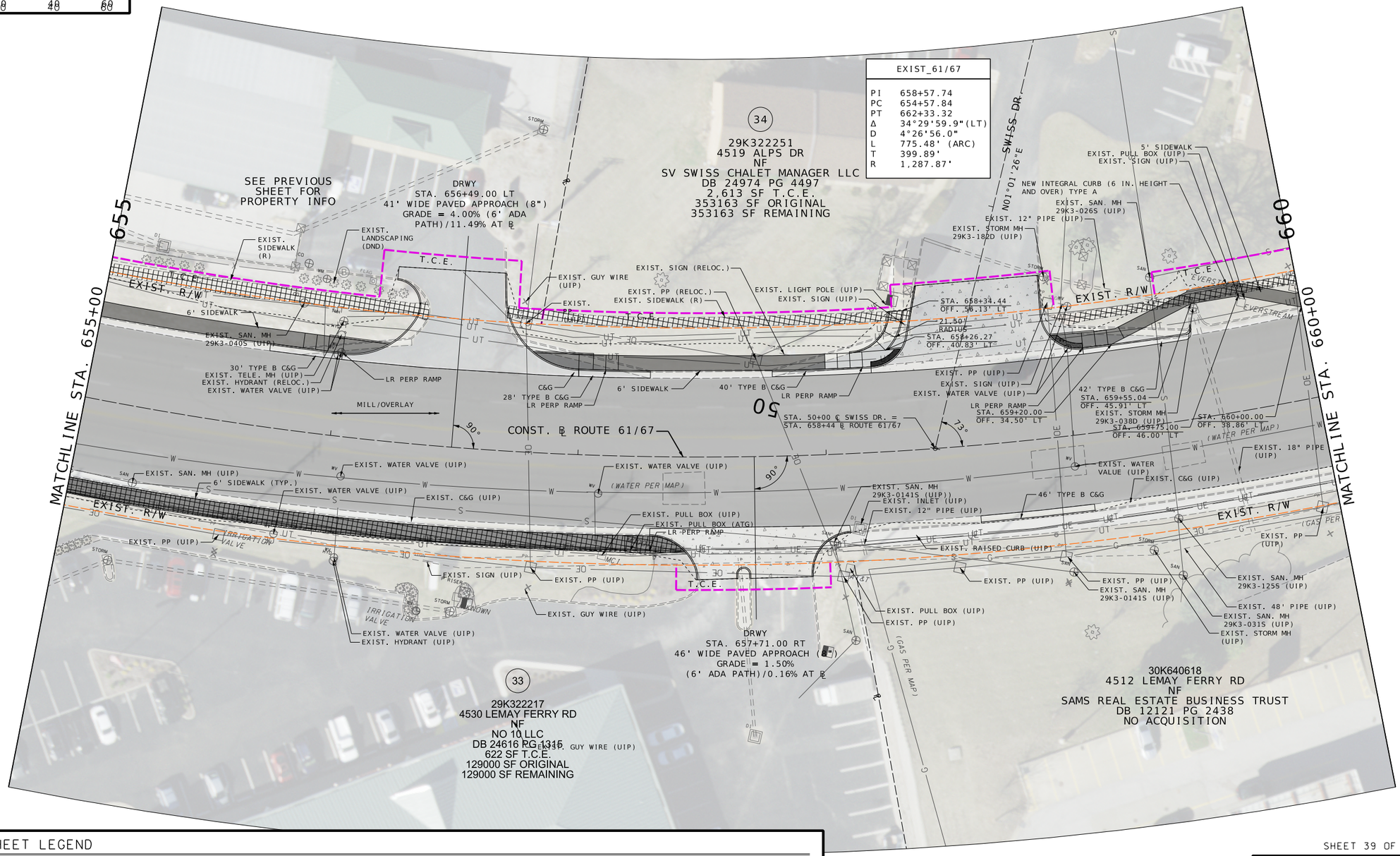
SHEET 38 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE
0 20 40 60

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SHEET 39 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 43
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

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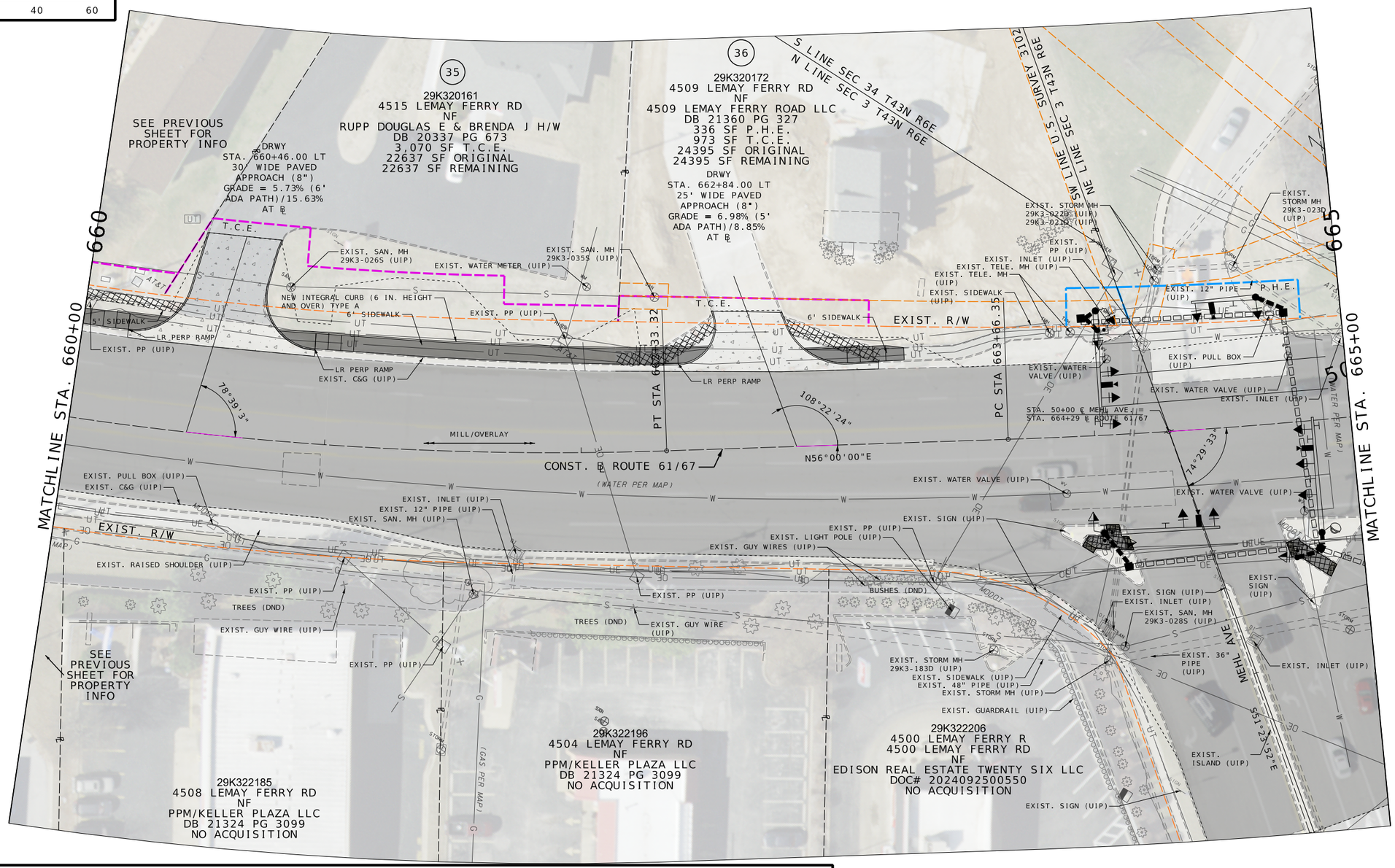
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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

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SHEET 40 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
PROFESSIONAL ENGINEER
BRIAN D. KIERATH JR.
NUMBER PE-2023008624

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DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	44

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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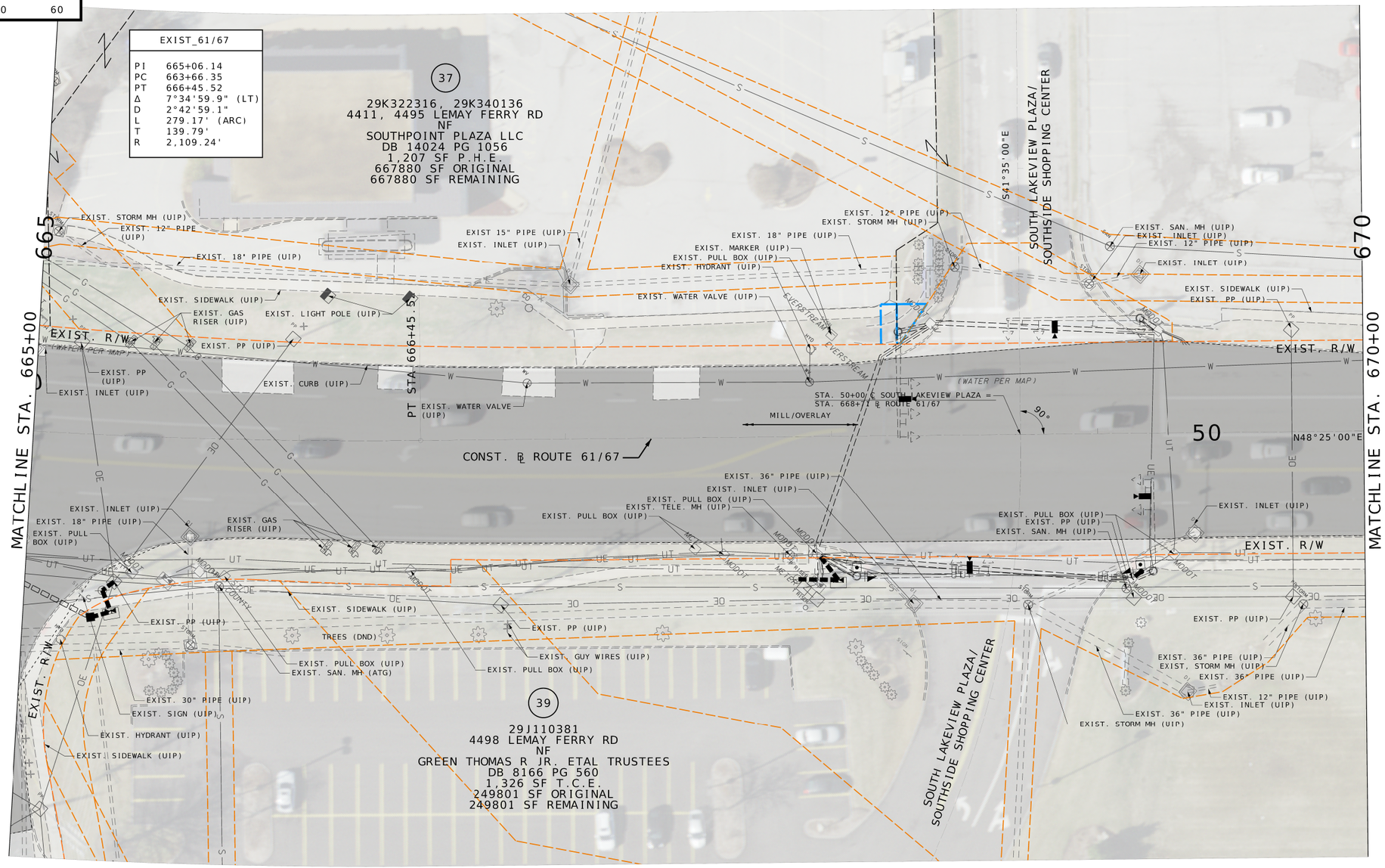
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

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SHEET 41 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

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ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	45

COUNTY ST. LOUIS

JOB NO. J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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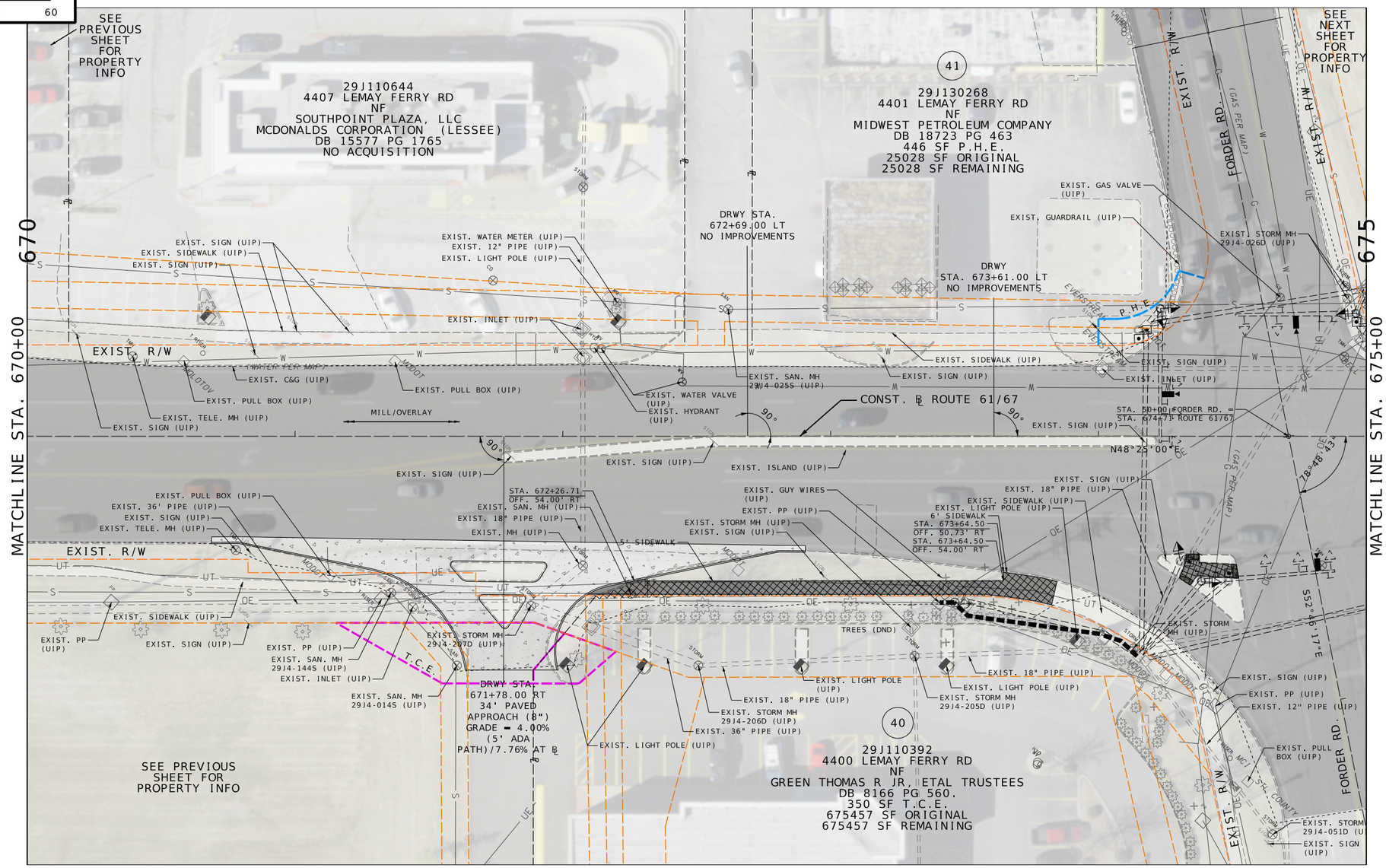
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BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	46

COUNTY ST. LOUIS

JOB NO. J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

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SHEET 42 OF 48

PLAN SHEET

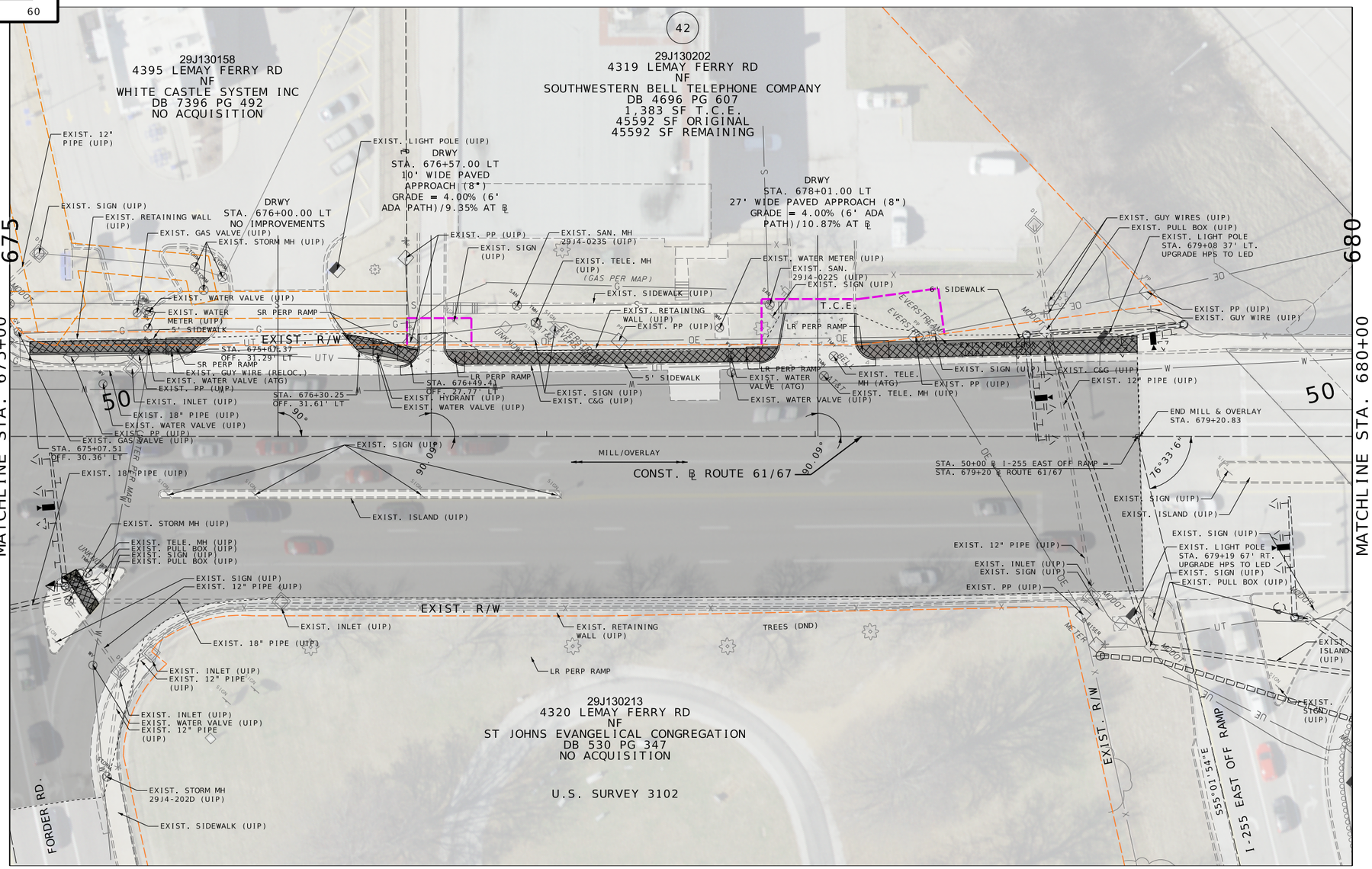
US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

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SHEET 43 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 47
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

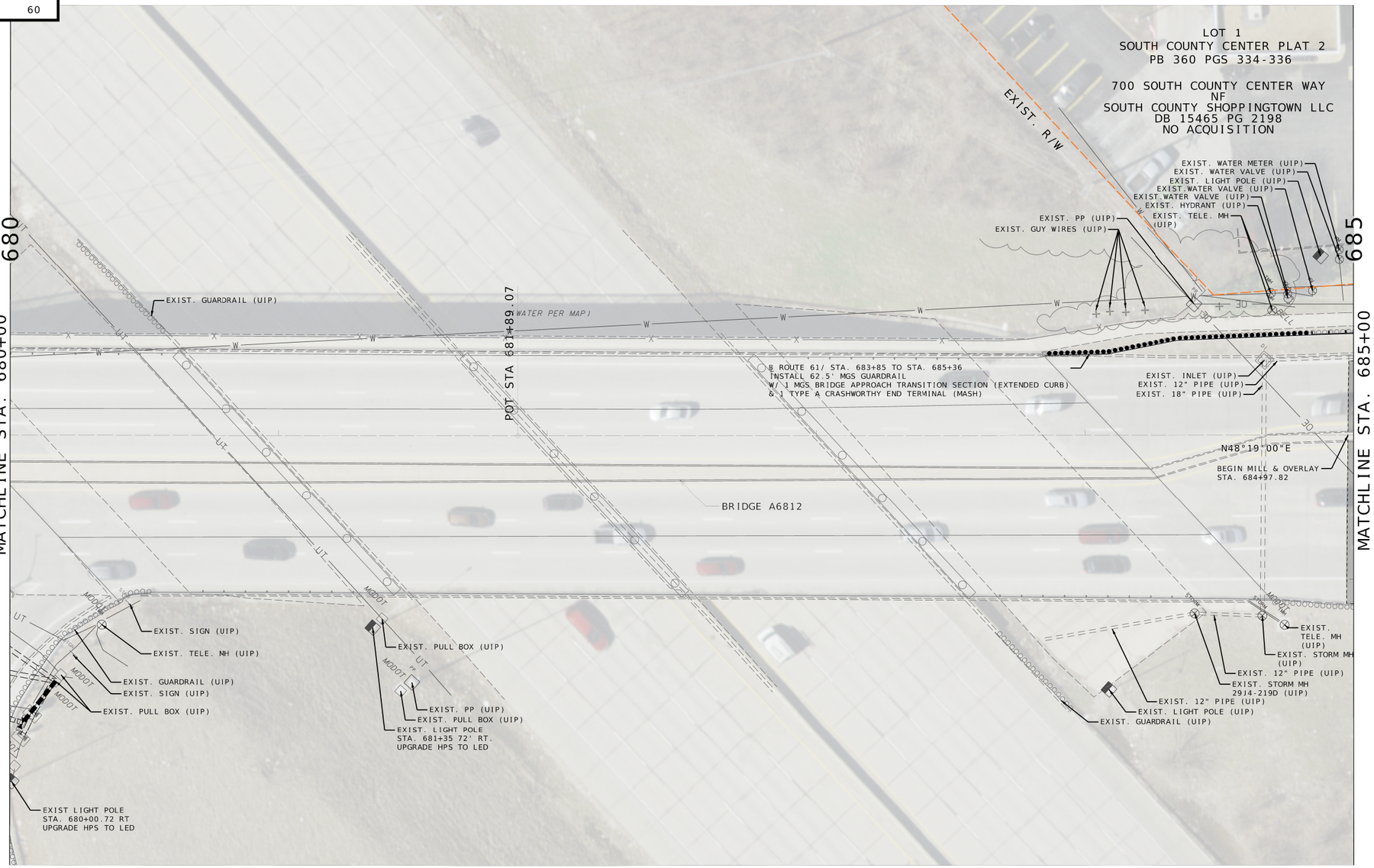
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 20 40 60

DISCLAIMER
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PLAN SHEET LEGEND

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- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 44 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025
ROUTE: 61/67
STATE: MO
DISTRICT: SL
SHEET NO.: 48
COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION
DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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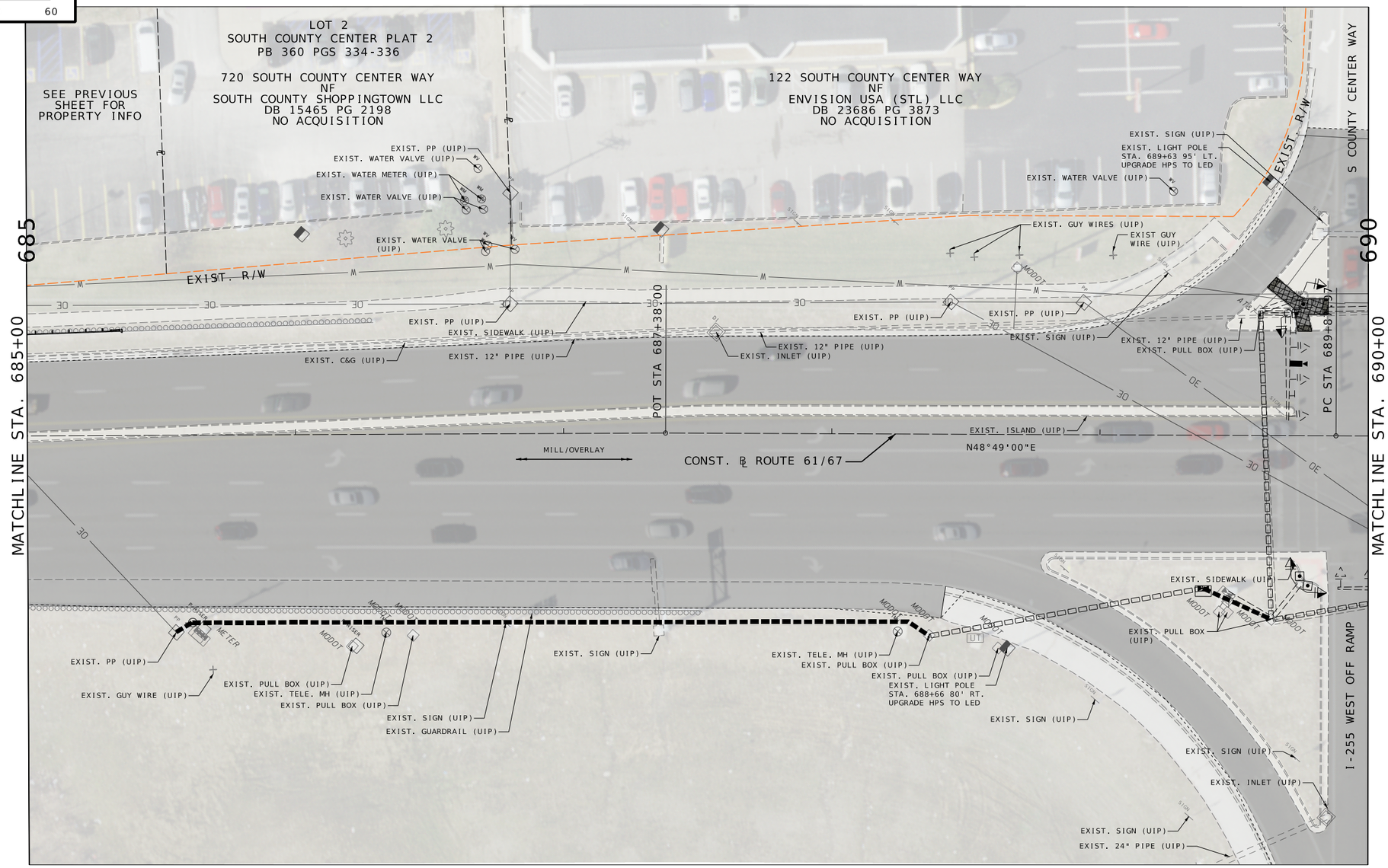
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ASSOCIATES, INC.
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BRIAN KIERATH
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ENGINEER
PE-2023008624

SCALE

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SHEET 45 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	49

COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

GBA
16305 SWINGLEY RIDGE RD ST, 300
CHESTERFIELD, MO 63017
314.231.0100
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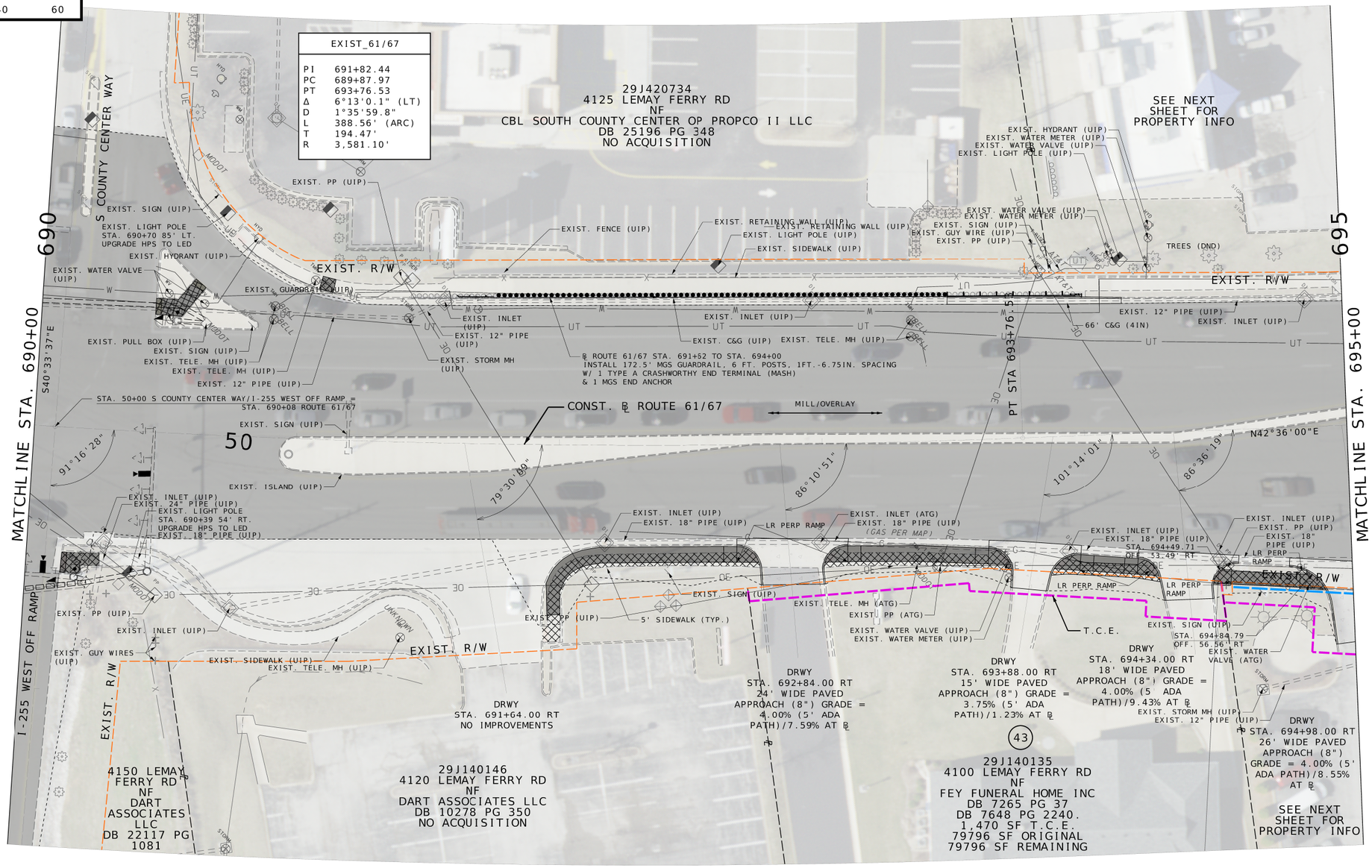
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

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BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 50
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

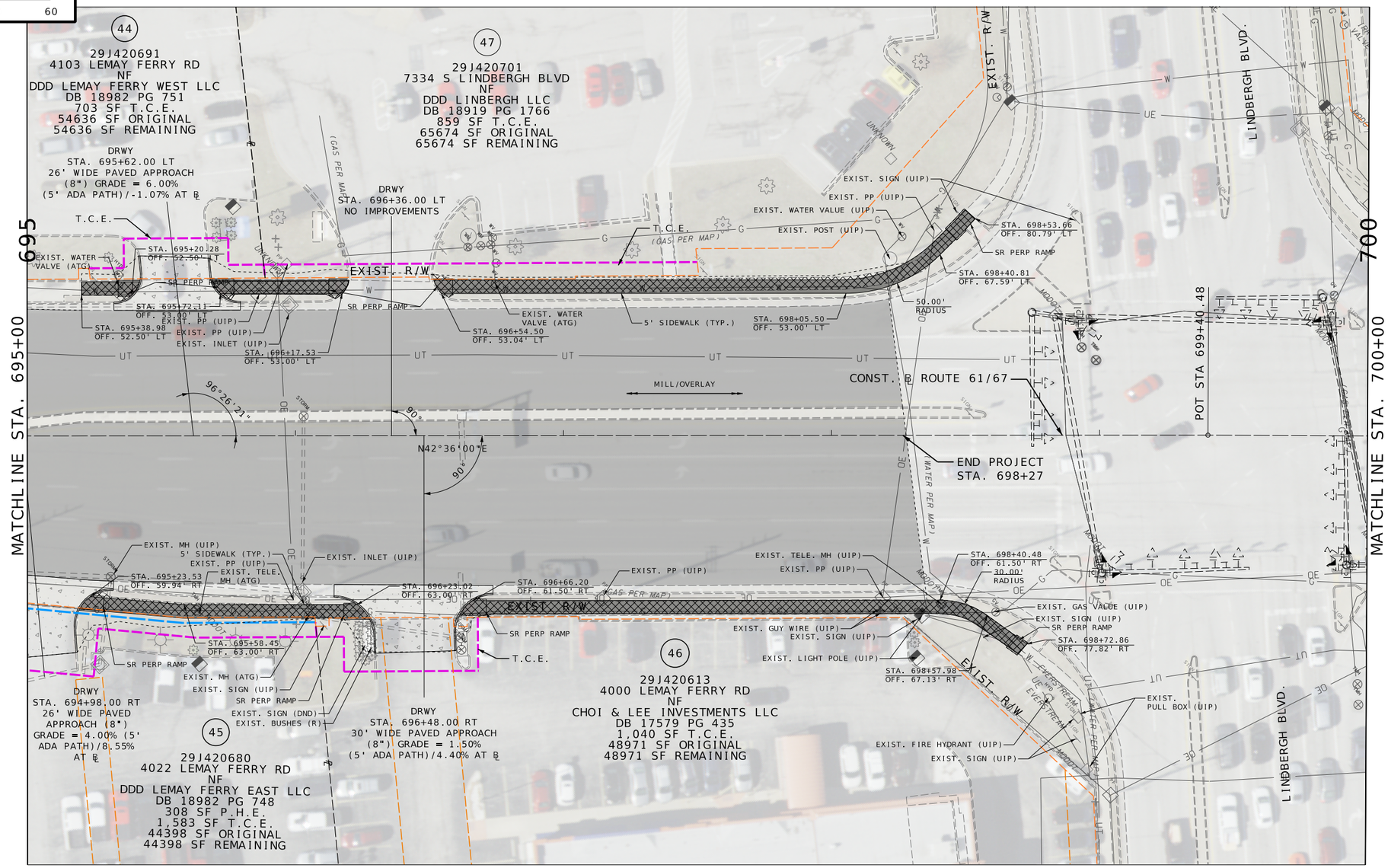
PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

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- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 47 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

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ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	51

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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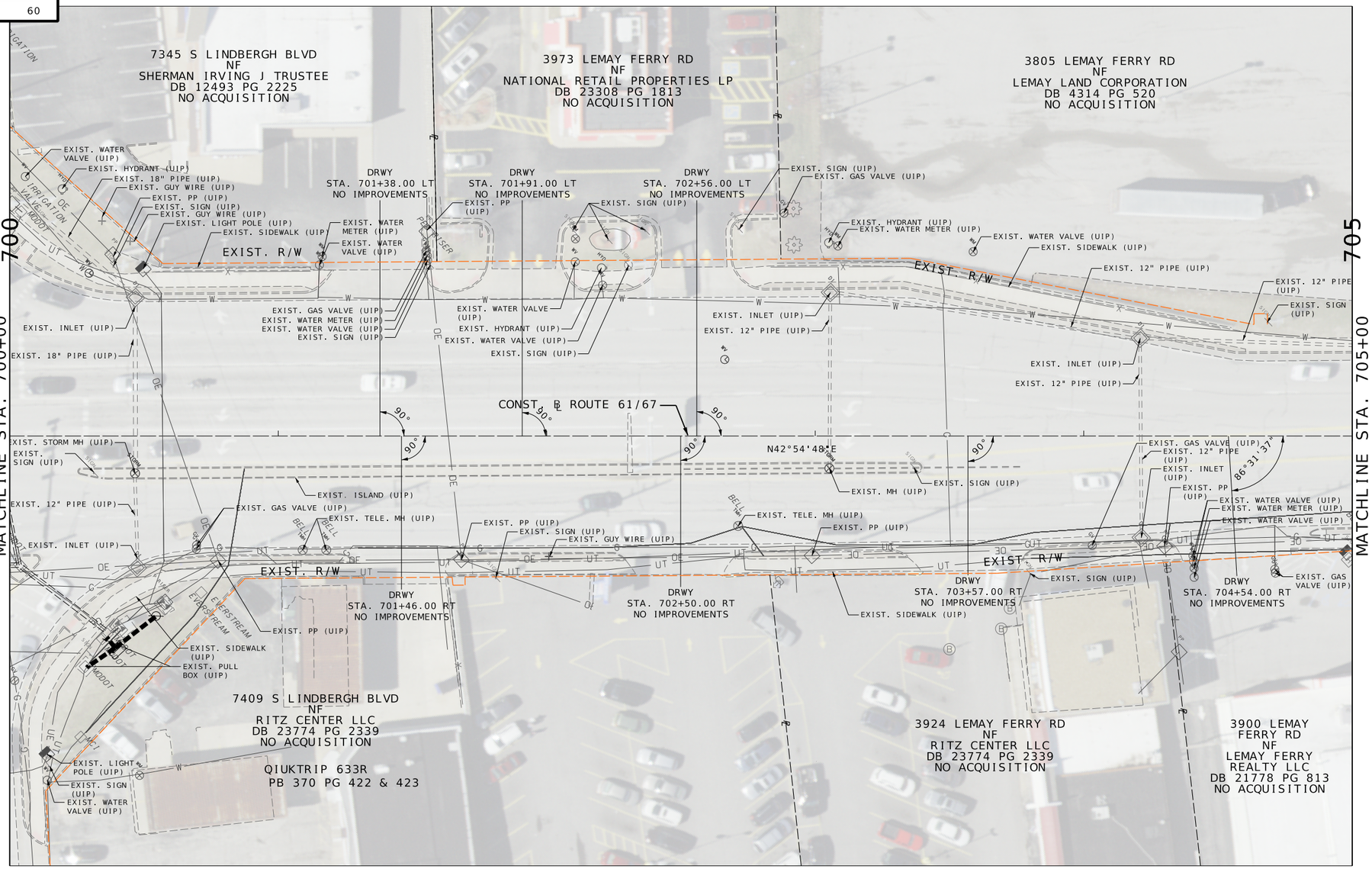
GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

SCALE

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SHEET 48 OF 48

PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	52

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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

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16305 SWINGLEY RIDGE RD
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CHESTERFIELD, MO 63017
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BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

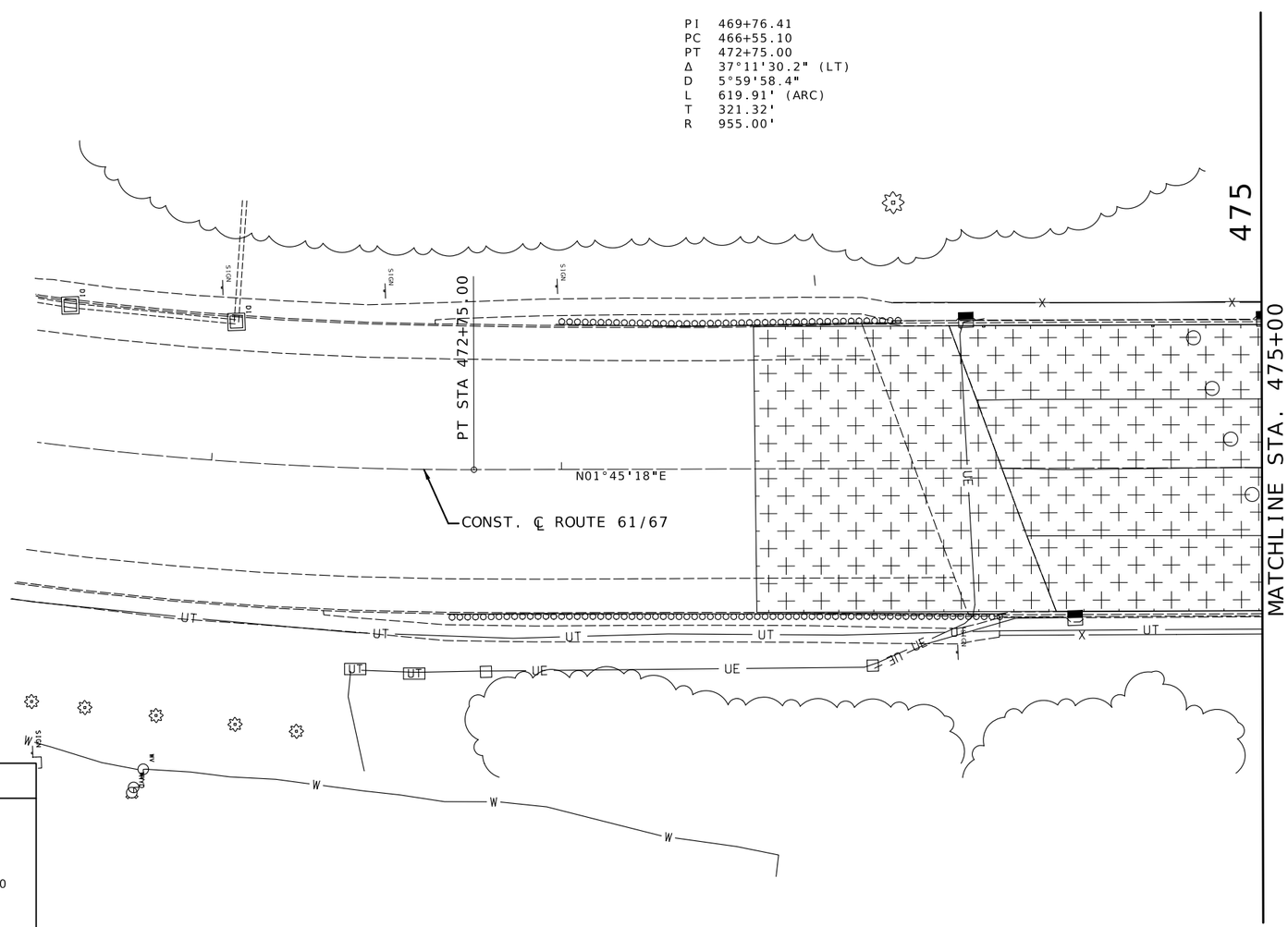
SCALE

0 20 40 60

DISCLAIMER

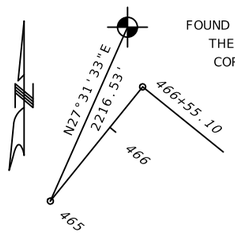
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PI 469+76.41
PC 466+55.10
PT 472+75.00
Δ 37°11'30.2" (LT)
D 5°59'58.4"
L 619.91' (ARC)
T 321.32'
R 955.00'



LAND TIE #1

LAND CORNER TIE:
FOUND OLD STONE AT THE NE CORNER OF LOT 1 OF
KASSEBAUM SUBDIVISION ON THE MERAMEC
PB 20 PG 28
2,216.53 FEET NORTHEAST OF BASELINE STATION 465+00
PROJECT COORDINATES
N:955939.5260 E:860893.6460



RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
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- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 1 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	53

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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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.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
T. 636 537 5585
F. 636 537 0275
Missouri State Engineering Corporation #001523

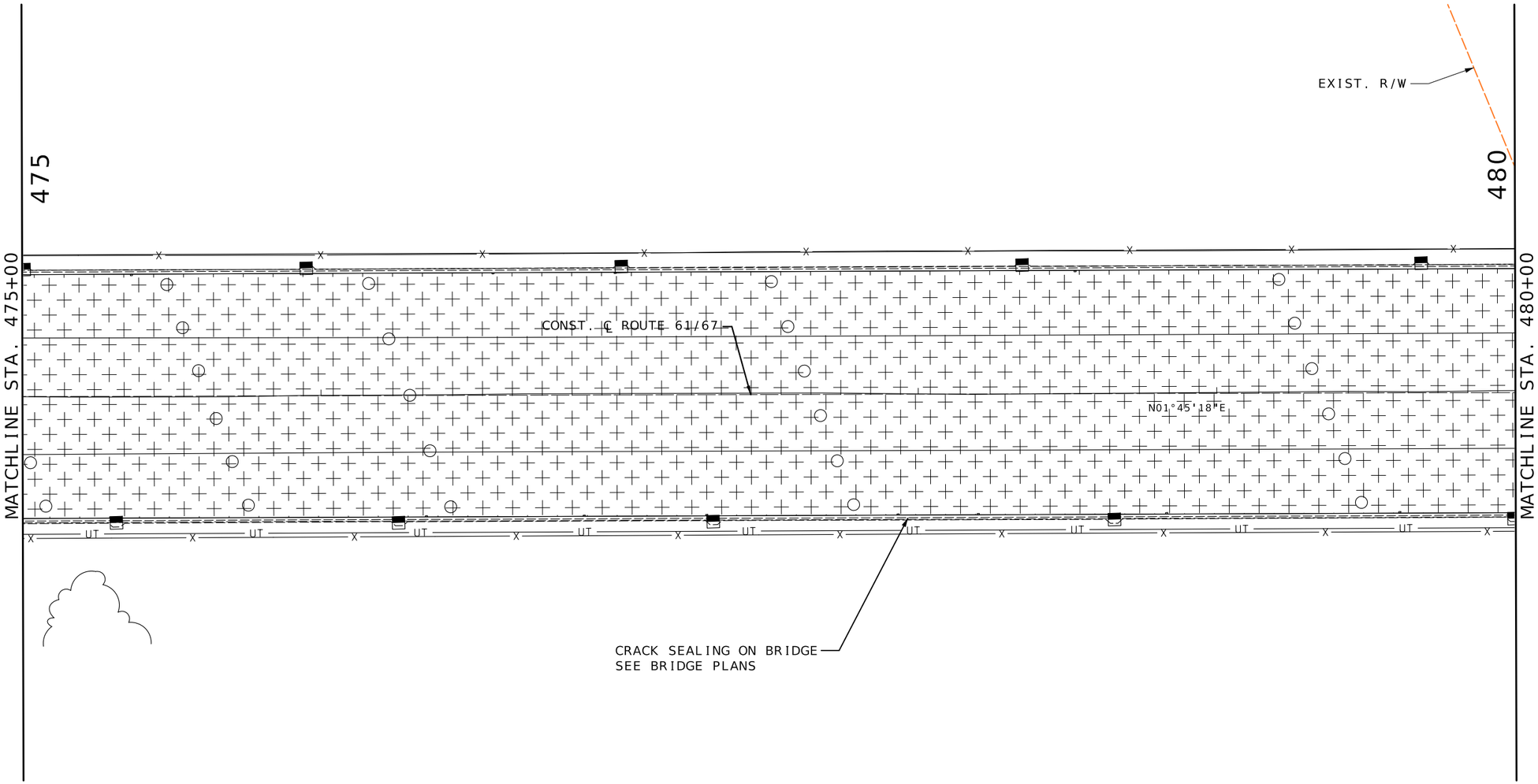
FINAL PLANS

SCALE

0 20 40 60

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SHEET 2 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

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DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	54

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523

T. 636 537 5585
F. 636 537 0275

25MSD-00224 ; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

N:\E23024 GBA - MoDOT 61-67 Lemay\drawings\Output\ROW Plans\054_RW_02_J6S3578_I20.dgn 12:37:23 PM 7/28/2025

SCALE

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U.S. SURVEY 403

E LINE U.S. SURVEY 403
W LINE U.S. SURVEY 3118

1
600 KASSEBAUM LN
NF
GREAT RIVERS GREENWAY DISTRICT
2024010200286
227,828 SF ORIGINAL
2,245 SF T.C.E.
227,828 SF REMAINING

480
485
EXIST. R/W
EXIST. R/W
MATCHLINE STA. 480+00
MATCHLINE STA. 485+00
CONST. ℄ ROUTE 61/67
N01°45'18"E
EXIST. R/W
EXIST. R/W
UT
X
N015
N016

ACCRETION LOT 8
6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 10957 PG 1608
NO ACQUISITION

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 10957 PG 1608
NO ACQUISITION

ACCRETION LOT 7
6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 7910 PG 1513
PARCEL 1
NO ACQUISITION

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY
MISSOURI
DB 10382 PG 709
NO ACQUISITION

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 7910 PG 1513
PARCEL 1
NO ACQUISITION
LOT 7

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
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- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 3 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

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DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	55

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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

EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

SCALE
0 20 40 60

U.S. SURVEY 403

1
SEE PREVIOUS SHEET FOR PROPERTY INFORMATION

N88°49'45"W 2.00' STA 485+00.06 OFF 52.07' LT.
N01°46'36"E 9.50' STA 485+09.37 OFF 52.07' LT.
S01°08'41"W 70.50'
STA 485+76.92 OFF 54.99' LT.
S06°19'15"W 121.25'
N11°18'36"E 49.00'

485

MATCHLINE STA. 485+00

PC STA 485+04.69

STA 485+09.39 OFF 50.07' LT.
N01°46'36"E 9.50'
STA 485+00.08 OFF 50.07' LT.

STA 486+92.94 OFF 57.97' LT.
STA 487+39.76 OFF 58.09' LT.
N12°37'17"E 89.30'

L = 361.42'
R = 1255.22'

EXIST. R/W
KESSEBAUM LN
EXIST. R/W
℄
℄
30
30
30
EXIST. R/W

6371 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 10979 PG 2326
NO ACQUISITION

DRWY
STA. 488+36.61 LT
20.6' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-1.50% AT ℄

6369 LEMAY FERRY RD
NF
SULLIVAN MARK T
DB 21499 PG 1179
NO ACQUISITION

STA 488+24.98 OFF 61.00' LT.
N36°12'16"E 35.25'
STA 488+56.89 OFF 49.50' LT.

CONST. ℄ ROUTE 61/67

75°30'10"
90°

490

MATCHLINE STA. 490+00

UT
EXIST. R/W
MERAMEC VIEW DR

DRWY
STA. 488+28.18 RT
12.1' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-7.90% AT ℄

E LINE U.S. SURVEY 403

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 8091 PG 733
NO ACQUISITION

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 10372 PG 374
NO ACQUISITION

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 7910 PG 1513
NO ACQUISITION

U.S. SURVEY 403
NO ACQUISITION

6372 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 10372 PG 459
NO ACQUISITION

ROAD 15' WIDE

PI	488+01.46
PC	485+04.69
PT	490+87.45
Δ	26°42'42.0" (RT)
D	4°35'1.2"
L	582.76' (ARC)
T	296.77'
R	1,250.00'

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

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
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	56

COUNTY ST. LOUIS
JOB NO. J6S3578
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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

SHEET 4 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

LAND TIE #2

LAND CORNER TIE:
FOUND OLD STONE AT THE NE CORNER OF LOT 1 OF
KASSEBAUM SUBDIVISION ON THE MERAMEC
PB 20 PG 28
773.32 FEET SOUTHEAST OF BASELINE STATION 492+00
PROJECT COORDINATES
N:955939.5260 E:860893.6460

493
S37°43'37"E
773.32'
491
FOUND OLD STONE AT THE NORTHEAST CORNER LOT 1

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STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/28/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 57
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE

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

DRWY
STA. 492+30.59 LT
30.4' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-8.00% AT ℄

EXIST. R/W
DROEGE DR
6315 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 11119 PG 322
NO ACQUISITION

6335 LEMAY FERRY RD
NF
SULLIVAN MARK T
DB 21499 PG 1165
NO ACQUISITION

6367 LEMAY FERRY RD
NF
GENERAL GEORGE C MARSHALL MEMORIAL POST
DB 7603 PG 1409
NO ACQUISITION

490
495
MATCHLINE STA. 490+00
MATCHLINE STA. 495+00
PT STA 490+87.45
90°
85°12'31"
CONST. ℄ ROUTE 61/67
N28°28'00"E
(WATER PER MAP)

PI 488+01.46
PC 485+04.69
PT 490+87.45
Δ 26°42'42.0" (RT)
D 4°35'1.2"
L 582.76' (ARC)
T 296.77'
R 1,250.00'

DRWY
STA. 491+22.91 RT
15.9' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-4.00% AT ℄

EXIST. R/W
6364 LEMAY FERRY RD
NF
RIVER BANKS PROPERTIES LLC
DB 24242 PG 1022
NO ACQUISITION

6356 LEMAY FERRY RD
NF
RIVER BANKS PROPERTIES LLC
DB 24242 PG 1022
NO ACQUISITION

6344 LEMAY FERRY RD
NF
ST LOUIS COUNTY
DB 10955 PG 883
NO ACQUISITION

E LINE U.S. SURVEY 403
W LINE U.S. SURVEY 3118

6290 LEMAY FERRY RD
NF
RIVER BANKS PROPERTIES LLC
DOC# 2023010900505
NO ACQUISITION

U.S. SURVEY 3118

EXIST. R/W

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 5 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

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

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Chesterfield, Missouri 63017
T. 636 537 5585
F. 636 537 0275
Missouri State Engineering Corporation #001523

SCALE
0 20 40 60

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LOT 2
FLOORING SYSTEMS
A LOT SPLIT PLAT
PB 354 PG 982

DRWY
STA. 497+26.92 LT
29.0' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-7.50% AT ℄

2

6285 & 6257 LEMAY FERRY RD
NF
JJS REAL ESTATE LLC
DB 24468 PG 532
276,063 SF ORIGINAL
9,105 SF T.C.E
276,063 SF REMAINING

PI 501+11.78
PC 497+01.93
PT 505+20.85
Δ 6°8'0.2" (RT)
D 0°44'56.3"
L 818.92' (ARC)
T 409.85'
R 7,650.00'

6315 LEMAY FERRY RD
NF
ST LOUIS COUNTY MISSOURI
DB 11119 PG 322
NO ACQUISITION

LOT A
6257 LEMAY FERRY ROAD
BOUNDARY ADJUSTMENT PLAT
PB 355 PG 179

MERAMEC BOTTOM RD
EXIST. R/W
EXIST. R/W
EXIST. R/W
EXIST. R/W
EXIST. R/W
495
500
MATCHLINE STA. 495+00
MATCHLINE STA. 500+00
N63°20'09"W 11.01'
STA 496+58.61 OFF 60.49' LT.
N29°02'37"E 41.25'
STA 496+99.86 OFF 60.08' LT.
N60°57'23"W 19.00'
STA 497+00.05 OFF 79.08' LT.
N29°02'37"E 52.00'
STA 497+52.57 OFF 78.39' LT.
S60°57'23"E 19.00'
STA 497+52.25 OFF 59.39' LT
N29°02'37"E 97.92'
STA 498+51.03 OFF 46.12' LT.
STA 498+50.90 OFF 57.13' LT.
N63°20'09"W 6.82'
N26°09'23"E 320.13'
T.C.E.
L 320.16'
R 7600.05'
(WATER PER MAP)
STA 496+58.96 OFF 49.49' LT
PC STA 497+26.93
S29°02'37"W 191.17'
STA 498+51.11 OFF 39.30' LT.
+93.48 BEGIN MILL AND OVERLAY
N28°28'00"E
CONST. ℄ ROUTE 61/67
90°
90°
90°
E LINE U.S. SURVEY 403
W LINE U.S. SURVEY 3118
U.S. SURVEY 3118

6290 LEMAY FERRY RD
NF
RIVER BANKS PROPERTIES LLC
DOC# 2023010900505
NO ACQUISITION

DRWY
STA. 497+23.71 RT
39.0' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-8.00% AT ℄

DRWY
STA. 498+15.27 RT
34.2' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-4.00% AT ℄

6264 LEMAY FERRY RD
NF
THE DAVEY TREE EXPERT COMPANY
DB 25194 PG 3758
NO ACQUISITION

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 6 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
9/4/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	58

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

25MSD-00224 ; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

N:\E23024 GBA - MoDOT 61-67 Lemay\drawings\Output\ROW Plans\058_RW_06_J6S3578_I20.dgn 8:22:45 AM 9/4/2025

SCALE

0 20 40 60

LOT A
6257 LEMAY FERRY ROAD
BOUNDARY ADJUSTMENT PLAT
PB 355 PG 179

(2)
SEE PREVIOUS SHEET FOR PROPERTY INFORMATION

5' W EASEMENT TO SOUTHWESTERN BELL DB 14069 PG 2057

30' DIAMETER SUBTERRANEAN EASEMENT DB 24794 PG 4341

DRWY
STA. 501+07.08 LT
11.5' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/10.00% AT ℄

DRWY
STA. 502+35.13 LT
38.0' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-3.50% AT ℄

PI	501+11.78
PC	497+01.93
PT	505+20.85
Δ	6°8'0.2" (RT)
D	0°44'56.3"
L	818.92' (ARC)
T	409.85'
R	7,650.00'

(4)
6241 LEMAY FERRY RD
NF
I AM AEROSPACE LLC
DB 23729 PG 270
609,303 SQ. FT. ORIGINAL
5,642 SQ. FT. T.C.E.
1,797 SQ. FT. P.H.E.
609,303 SQ. FT. REMAINING

500

505

MATCHLINE STA. 500+00

MATCHLINE STA. 505+00

N26°09'23"E 320.13'

S63°20'06"E 4.68'

S63°20'06"E 17.50'

STA 501+73.46 OFF 57.05' LT.

STA 501+72.93 OFF 39.56' LT.

S24°43'32"W 89.60'

STA 502+63.73 OFF 56.85' LT.

N67°16'29"W 10.00'

STA 502+64.00 OFF 46.86' LT.

N22°43'31"E 58.43'

STA 503+22.99 OFF 39.20' LT.

STA 505+22.79 OFF 48.19' LT.

STA 503+36.00 OFF 39.52' LT.

N23°38'55"E 176.12'

N22°20'50"E 407.54'

15' W EASEMENT TO SOUTHWESTERN BELL DB 6522 PG 1322

EXIST R/W

T.C.E.

P.H.E.

EXIST. R/W

(WATER PER MAP)

L 320.16'
R 7600.05'

STA 501+72.79 OFF 34.88' LT

78°00'40"

N22°43'31"E 149.53'

S24°20'39"W 162.22'

N22°20'50"E 12.95'

CONST. ℄ ROUTE 61/67

MILL AND OVERLAY

STA 504+96.91 OFF 39.65' RT.

N67°57'17"W 3.50'

STA 504+96.96 OFF 43.15' RT.

W LINE U.S. SURVEY 403

W LINE U.S. SURVEY 3118

(5)
VOID
6256 LEMAY FERRY RD
NF
6256 LEMAY FERRY LLC
DB 21404 PG 277
NO ACQUISITION

DRWY
STA. 500+78.46 RT
25.2' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/9.7% AT ℄

DRWY
STA. 502+66.06 RT
34.3' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/7.5% AT ℄

(6)
VOID
6244 LEMAY FERRY RD
NF
TKB TECHNOLOGIES LLC
DB 23888 PG 1212
NO ACQUISITION

DRWY
STA. 504+61.92 RT
35.7' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/2.5% AT ℄

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

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STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2002000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 9/4/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	59

COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
T. 636 537 5585
F. 636 537 0275
Missouri State Engineering Corporation #001523

SHEET 7 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

DISCLAIMER

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STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
9/4/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	60

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

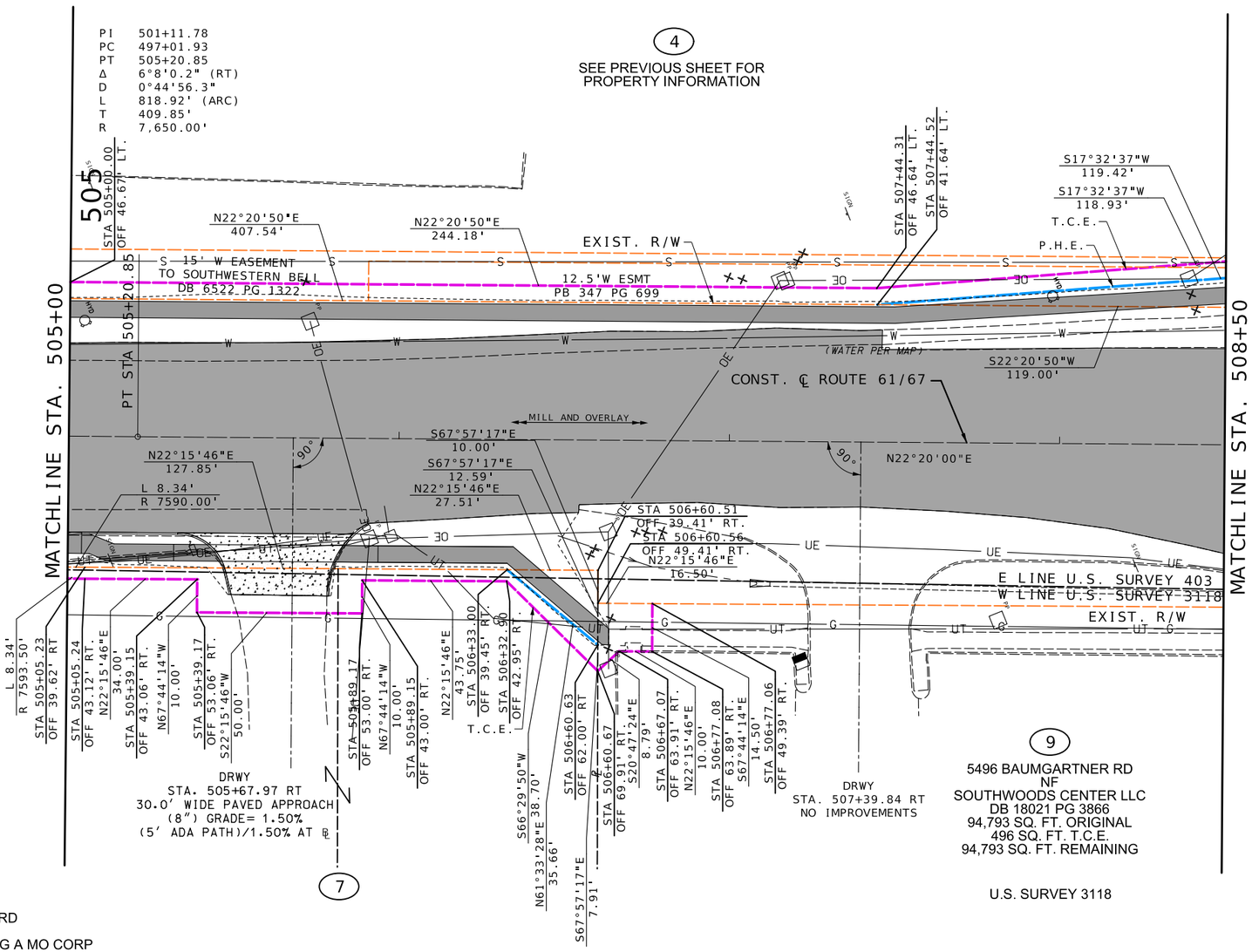
BRIDGE NO.

DATE	DESCRIPTION

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

PI 501+11.78
PC 497+01.93
PT 505+20.85
Δ 6°8'0.2" (RT)
D 0°44'56.3"
L 818.92' (ARC)
T 409.85'
R 7,650.00'

4
SEE PREVIOUS SHEET FOR PROPERTY INFORMATION



7
6240 LEMAY FERRY RD
NF
SACK BROTHERS CONTRACTING A MO CORP
DB 8762 PG 1987
90,512 SQ. FT. ORIGINAL
1,135 SQ. FT. T.C.E.
311 SQ. FT. P.H.E.
90,512 SQ. FT. REMAINING

9
5496 BAUMGARTNER RD
NF
SOUTHWOODS CENTER LLC
DB 18021 PG 3866
94,793 SQ. FT. ORIGINAL
496 SQ. FT. T.C.E.
94,793 SQ. FT. REMAINING

U.S. SURVEY 3118

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 8 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

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

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ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

25MSD-00224 ; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

N:\E23024 GBA - MoDOT 61-67 Lemay\drawings\Output\ROW Plans\060_RW_08_J6S3578_I20.dgn 8:22:55 AM 9/4/2025

SCALE
0 20 40 60

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STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	61

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

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Chesterfield, Missouri 63017
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Missouri State Engineering Corporation #001523

4
SEE PREVIOUS SHEET FOR PROPERTY INFORMATION

9.50'W R.M.U.E. TO ST LOUIS CO DB 10964 PG 1096 TRACT TWO

20'W ESMT TO UE DB 11428 PG 734
9.50'W R.M.U.E. TO ST LOUIS CO DB 10964 PG 1096 TRACT ONE

10'W P.D.E TO ST LOUIS CO DB 10964 PG 1096 TRACT FIVE

LOT 1
GRASSO-MERAMEC SUBDIVISION
PB 349 PG 63

AGREEMENT TO ENCROACH WALL IN EASEMENT
DB 13533 PG 1769

10'W P.D.E TO ST LOUIS CO DB 10964 PG 1096 TRACT SIX

10'X15'W ESMT TO UE DB 12091 PG 1036

10'W ESMT PB 347 PG 699

10
6197 LEMAY FERRY RD
NF
DENNING MARY E TRUST ETAL
DB 17335 PG 4484
48,424 SQ. FT. ORIGINAL
1,088 SQ. FT. T.C.E.
48,424 SQ. FT. REMAINING

11
6129 LEMAY FERRY RD
NF
WIETHOP MICHAEL C REV TRUST
DOC# 2023092200855
43,535 SQ. FT. ORIGINAL
2,079 SQ. FT. T.C.E.
1,454 SQ. FT. P.H.E.
43,535 SQ. FT. REMAINING

MERAMEC BOTTOM RD

STA 510+65.01
OFF 100.15' LT.
N15°02'14"W
12.50'
STA 510+55.02
OFF 92.64' LT.
L = 50.00'
R = 110.00'

N57°25'21"E
43.28'
T.C.E.
STA 511+00.25
OFF 75.02' LT.

DRWY
STA. 512+55.50 LT
20'W ESMT TO UE NO IMPROVEMENTS
CENTERED OVER INSTALLATIONS
DB 12217 PG 504

DRWY
STA. 513+11.29 LT
29.9' WIDE PAVED APPROACH
(8") GRADE= -1.50%
(5' ADA PATH)/-1.50% AT ℄

STA 512+39.67
OFF 48.08' LT.
N67°38'42"W
15.00'
STA 512+39.78
OFF 63.07' LT.
N22°21'18"E
22.69'
STA 512+62.46
OFF 62.91' LT.
STA 512+64.15
OFF 41.89' LT.
N44°16'32"E
25.45'
STA 512+86.00
OFF 53.23' LT.
N22°21'18"E
51.06'
S67°38'42"E
7.75'
STA 513+37.06
OFF 52.86' LT.
STA 513+37.00
OFF 45.11' LT.

S17°32'37"W
118.93'
STA 508+62.83
OFF 56.57' LT.
STA 508+63.52
OFF 51.61' LT.
L 79.83'
R 99.00'
N05°14'55"W
75.86'
S67°39'20"E
10.00'
STA 509+30.07
OFF 91.70' LT.

P.H.E.
S58°10'10"W
18.00'
STA 509+44.66
OFF 81.16' LT.
T.C.E.
L = 75.50'
R = 91.00'
EXIST. R/W
STA 508+77.52
OFF 51.61' LT.
N22°20'47"E
14.00'

15'W ESMT LACLEDE GAS CO. DB 13533 PG 314

15

16.5'W ESMT TO SWBT DB 6510 PG 1270

N41°04'51"W
16.00'
STA 510+92.99
OFF 60.77' LT.

EX SIGN (UIP)

STA 512+63.67
OFF 47.90' LT.
S72°38'36"E
5.92'
S72°38'36"E
4.02'

S22°21'18"W
106.46'
N22°21'18"E
106.11'
STA 512+64.47
OFF 37.89' LT.
N20°13'38"E
63.03'

CONST. ℄ ROUTE 61/67
MILL AND OVERLAY

POT STA 510+00.00
POT STA 15+58.11
N22°20'00"E
N21°56'00"E

MATCHLINE STA. 508+50
MATCHLINE STA. 513+50

SEE SIGNAL PLANS FOR DISPOSITION OF SIGNAL ITEMS

E LINE U.S. SURVEY 403
W LINE U.S. SURVEY 3118
EXIST. R/W

N62°43'40"E
17.00'

BAUMGARTNER RD
S67°50'58"E

EXIST. R/W

5461 BAUMGARTNER RD
NF
5461 BAUMGARTNER LLC
DB 22760 PG 1766
NO ACQUISITION

DRWY
STA. 513+05.80 RT
NO IMPROVEMENTS

STA 509+21.03
OFF 75.05' RT.
N27°16'20"W
14.00'
STA 509+11.96
OFF 85.71' RT.
T.C.E.
N62°43'40"E
17.00'
STA 509+24.90
OFF 96.73' RT.
N27°16'20"W
14.00'
STA 509+33.98
OFF 86.07' RT.

9
SEE PREVIOUS SHEET FOR PROPERTY INFORMATION
U.S. SURVEY 3118

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 9 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

DISCLAIMER

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STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	62

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

(11) SEE PREVIOUS SHEET FOR PROPERTY INFORMATION

LOT 2
GRASSO-MERAMEC SUBDIVISION
PB 349 PG 63

PI 515+26.69
PC 514+07.79
PT 516+44.98
Δ 10°4'0.0" (RT)
D 4°14'38.9"
L 237.19' (ARC)
T 118.90'
R 1,350.00'

(12)
4115 MERAMEC BOTTOM RD
NF
THE JUNIOR COLLEGE DISTRICT OF ST. LOUIS
DB 12843 PG 1658
774,228 SQ. FT. ORIGINAL
1,659 SQ. FT. T.C.E.
2,463 SQ. FT. P.H.E.
774,228 SQ. FT. REMAINING

6091 LEMAY FERRY RD
NF
ESTELL TRACY A
DB 16558 PG 222
NO ACQUISITION

GRASSO OUTLOT A
PB 351 PG 674

6098 SOUTHCREST WAY
NF
BERRA JOHN H JR ETAL, TRUSTEES
DB 15450 PG 1011
NO ACQUISITION

6085 LEMAY FERRY RD
NF
EASTER PROPERTIES LLC
DB 25074 PG 5163
NO ACQUISITION

DRWY
STA. 517+96.71 LT
22.0' WIDE PAVED APPROACH
(8") GRADE= 0.50%
(5' ADA PATH)/0.16% AT ℄

DRWY
STA. 518+23.17 LT
18.4' WIDE PAVED APPROACH
(8") GRADE= 0.50%
(5' ADA PATH)/-1.40% AT ℄

DRWY
STA. 516+80.59 LT
16.8' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/2.00% AT ℄

DRWY
STA. 515+76.09 LT
17.0' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/3.50% AT ℄

DRWY
STA. 514+73.56 LT
30.0' WIDE PAVED APPROACH
(8") GRADE= 1.50%
(5' ADA PATH)/5.50% AT ℄

16.5'W ESMT TO SWBT
DB 6510 PG 1270

S22°21'18"W 106.46'
N20°13'38"E 63.03'
STA 513+70.60 OFF 41.11' LT.
L 36.39'
R 1273.45'
STA 514+00.00 OFF 46.99' LT.
STA 514+06.99 OFF 41.36' LT.
S16°46'14"W 80.47'
N15°19'49"E 120.12'
STA 514+90.00 OFF 46.19' LT.
S05°29'10"W 35.10'
N78°48'31"E 2.69'
STA 515+25.62 OFF 55.91' LT.
STA 515+34.00 OFF 53.61' LT.
S05°29'10"W 8.20'
N12°21'29"E 75.42'
STA 516+03.01 OFF 59.88' LT.
N77°50'14"W 11.50'
STA 516+02.69 OFF 71.37' LT.
L 9.34'
R 1247.95'
STA 516+12.55 OFF 71.62' LT.
N11°44'04"E 45.00'
S13°33'46"W 149.43'
STA 516+59.27 OFF 72.09' LT.
N26°04'36"E 58.53'
STA 516+88.02 OFF 55.16' LT.
S30°00'56"W 29.49'
S78°15'56"E 11.75'
STA 517+16.01 OFF 57.72' LT.
STA 517+16.04 OFF 45.97' LT.

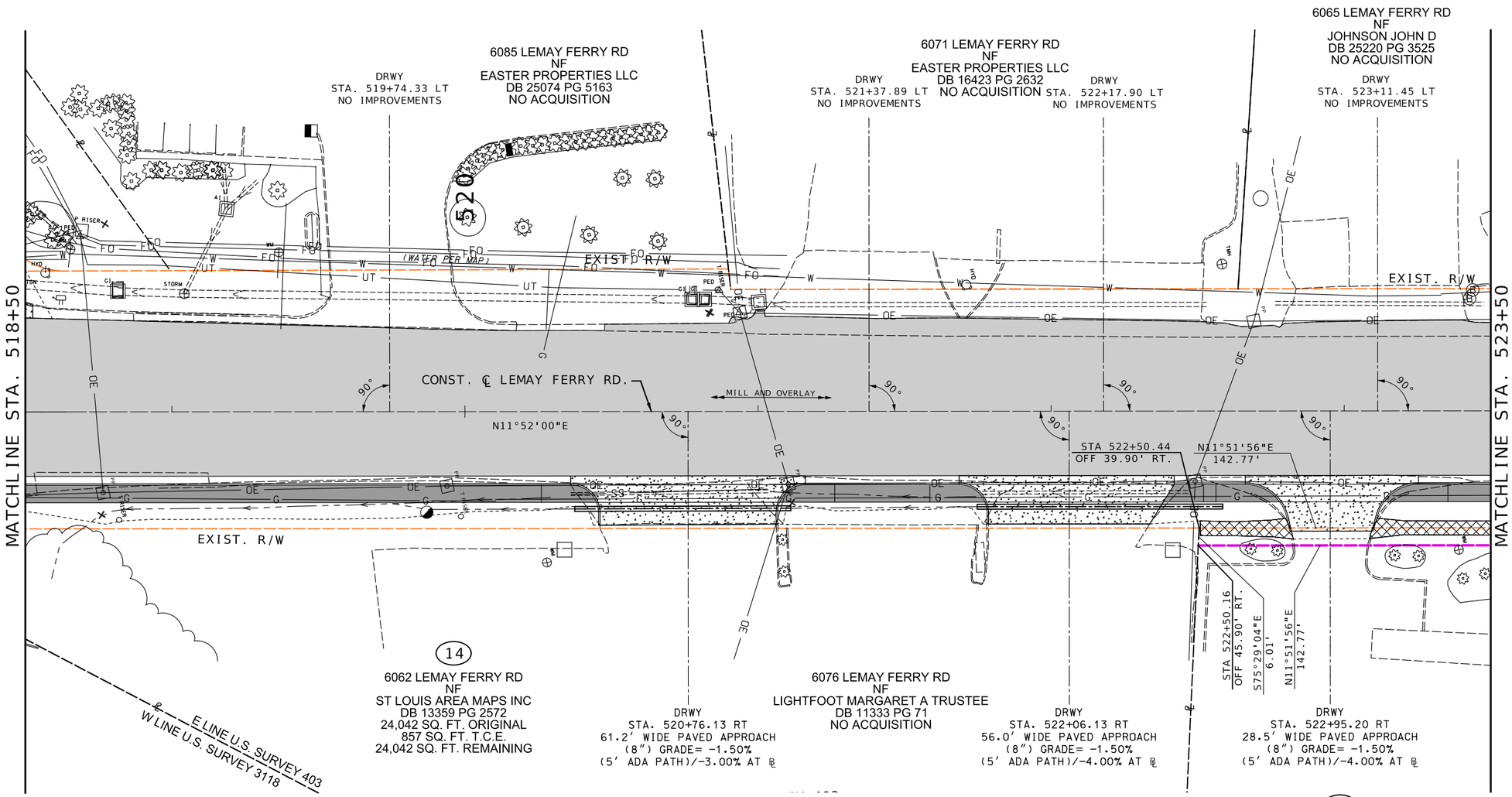
515
T.C.E.
P.H.E.
EXIST. R/W
SOUTHCREST WAY
EXIST. R/W
EXIST. R/W
F.O.
WATER PER MAP
STORM
STORM
STORM

SCALE

0 20 40 60

DISCLAIMER

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- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 11 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	63

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

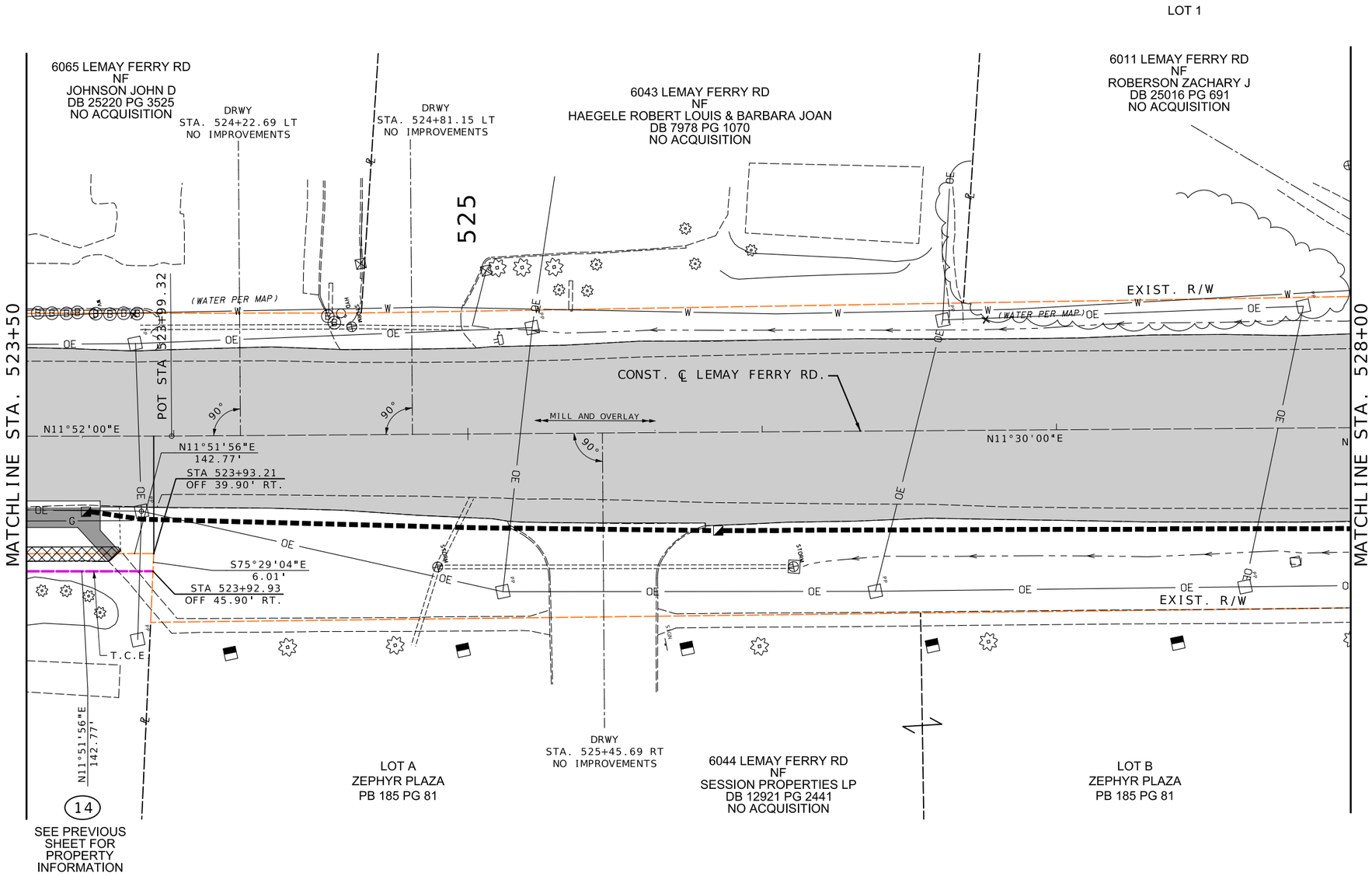
EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

SCALE

0 20 40 60

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SHEET 12 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

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DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	64

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

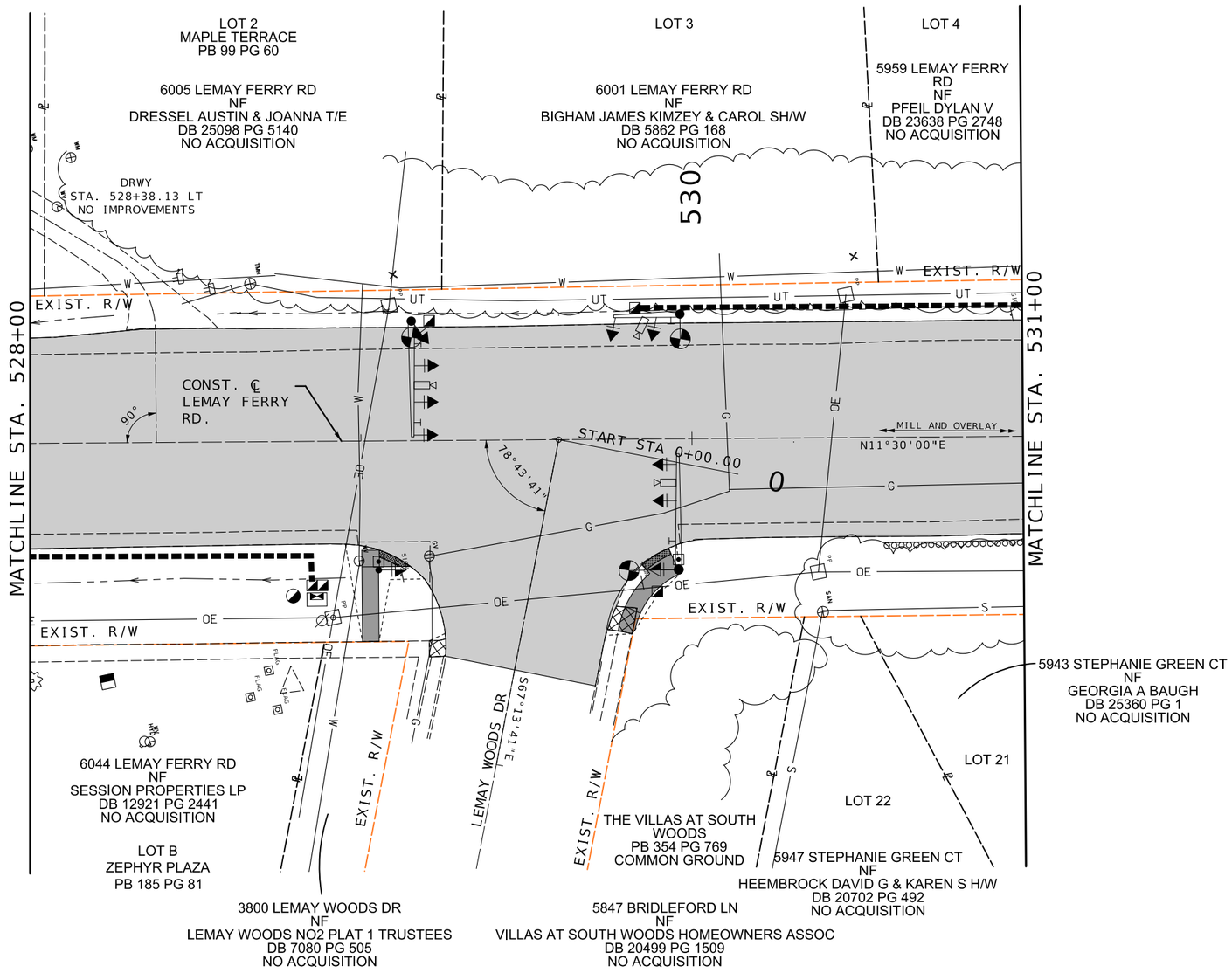
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Missouri State Engineering Corporation #001523
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STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 7/28/2025

ROUTE	STATE
61/67	MO

DISTRICT	SHEET NO.
SL	65

COUNTY: ST. LOUIS

JOB NO.: J6S3578

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)

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ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

SHEET 13 OF 48

RIGHT OF WAY SHEET

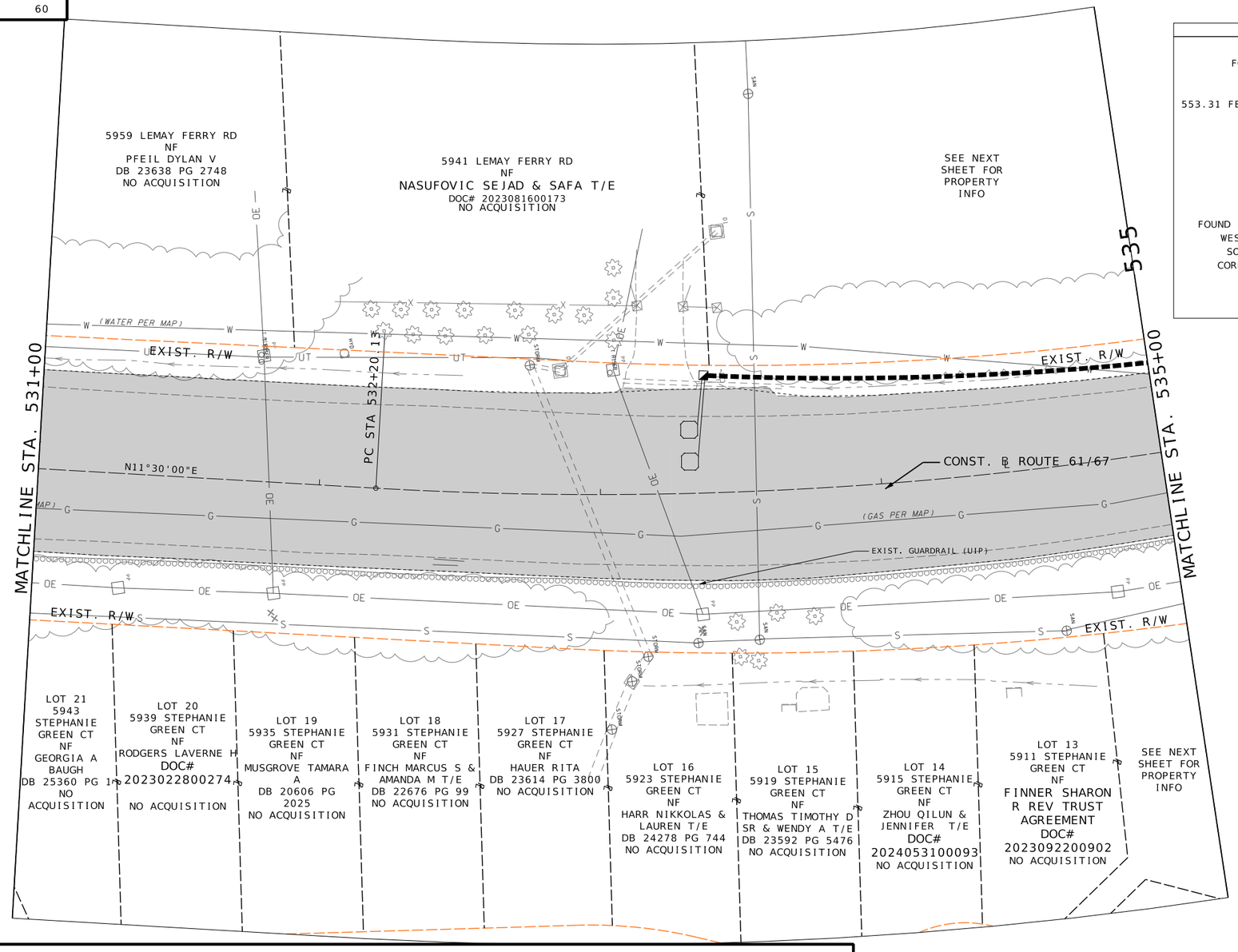
US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

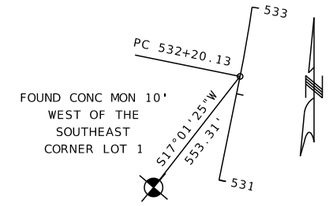
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LAND TIE #3

LAND CORNER TIE:
FOUND CONCRETE MONUMENT 10' WEST OF THE SE CORNER OF LOT 1 OF MAPLE TERRACE
PB 99 PG 60
553.31 FEET SOUTHWEST OF BASELINE STATION PC 532+20.13
PROJECT COORDINATES
N:959793.4240 E:861570.8090



RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
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- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
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- PROPOSED SIDEWALK
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- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 14 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	66

COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 20 40 60

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EXIST_61/67	
PI	535+90.08
PC	532+20.13
PT	539+42.30
Δ	30°39'0.0" (LT)
D	4°14'38.9"
L	722.17' (ARC)
T	369.95'
R	1,350.00'

LOT 38
SOUTHCREST PLAT 2
PB 351 PG 771

4332 NORTHPOINT CIR
NF
GOMEZ EMERITA C & ARNOLD M H/H
DB 21728 PG 2936
NO ACQUISITION

LOT 39
4328 NORTHPOINT CIR
NF
SINANAGIC EDIN & AZRA H/W
DB 16859 PG 400
NO ACQUISITION

4324 NORTHPOINT CIR
NF
KANTAREVIC SAMIR ET AL J/T
DB 24906 PG 4563
NO ACQUISITION

LOT 41
SOUTHCREST PLAT 1
PB 351 PG 767
NO ACQUISITION

4320 NORTHPOINT CIR
NF
KAPIC FIKRET & HATA T/E
DOC#2024051700514
NO ACQUISITION

COMMON GROUND
SOUTHCREST PLAT 2
PB 351 PG 771

5901 LEMAY FERRY RD
NF
BERRA JOHN H JR ETAL, TRUSTEES
DB 15450 PG 1018
NO ACQUISITION

SEE NEXT SHEET FOR PROPERTY INFO

535

540

MATCHLINE STA. 535+00

MATCHLINE STA. 540+00

EXIST. R/W

(WATER PER MAP)

PT STA 539+42.30

N19°09'00"W

CONST. ℄ ROUTE 61/67

LOT 12
5907 STEPHANIE GREEN CT
NF
HERLETH SALLY TRUST
DOC# 2024021500429

THE VILLAS AT SOUTH WOODS
PB 354 PG 769
NO ACQUISITION

5666 PROVIDENCE PLACE DR
NF
PROVIDENCE PLACE TRUSTEES
DB 10551 PG 1648
NO ACQUISITION

5731 WICKERSHIRE LN
NF
ANTHONY PAUL T & TAMARA M T/E
DB 15922 PG 2372
NO ACQUISITION

5727 WICKERSHIRE LN
NF
JOHNSTON BRIAN & MOORE MICHELLE T/E
DOC# 202308070043
NO ACQUISITION

5723 WICKERSHIRE LN
NF
RUMPING COLLEEN M
DB 20570 PG 1303
NO ACQUISITION

5719 WICKERSHIRE LN
NF
KULJANIN DENIS & CAUSEVIC AJKA T/E
DB 25116 PG 420
NO ACQUISITION

5715 WICKERSHIRE LN
NF
HUESGEN STEVEN L
BARBARA L H/W J/T
DB 12345 PG 2251
NO ACQUISITION

SEE NEXT SHEET FOR PROPERTY INFO

5739 WICKERSHIRE LN
NF
SANDWEG MARK J SANDRA M H/W
DB 13213 PG 2557
NO ACQUISITION

5735 WICKERSHIRE LN
NF
TITUS DOUGLAS T & JENNIFER L H/W
DB 21000 PG 632
NO ACQUISITION

PROVIDENCE PLACE
PB 337 PG 37

TELEPHONE BOX

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
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- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 15 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	67

COUNTY ST. LOUIS

JOB NO. J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

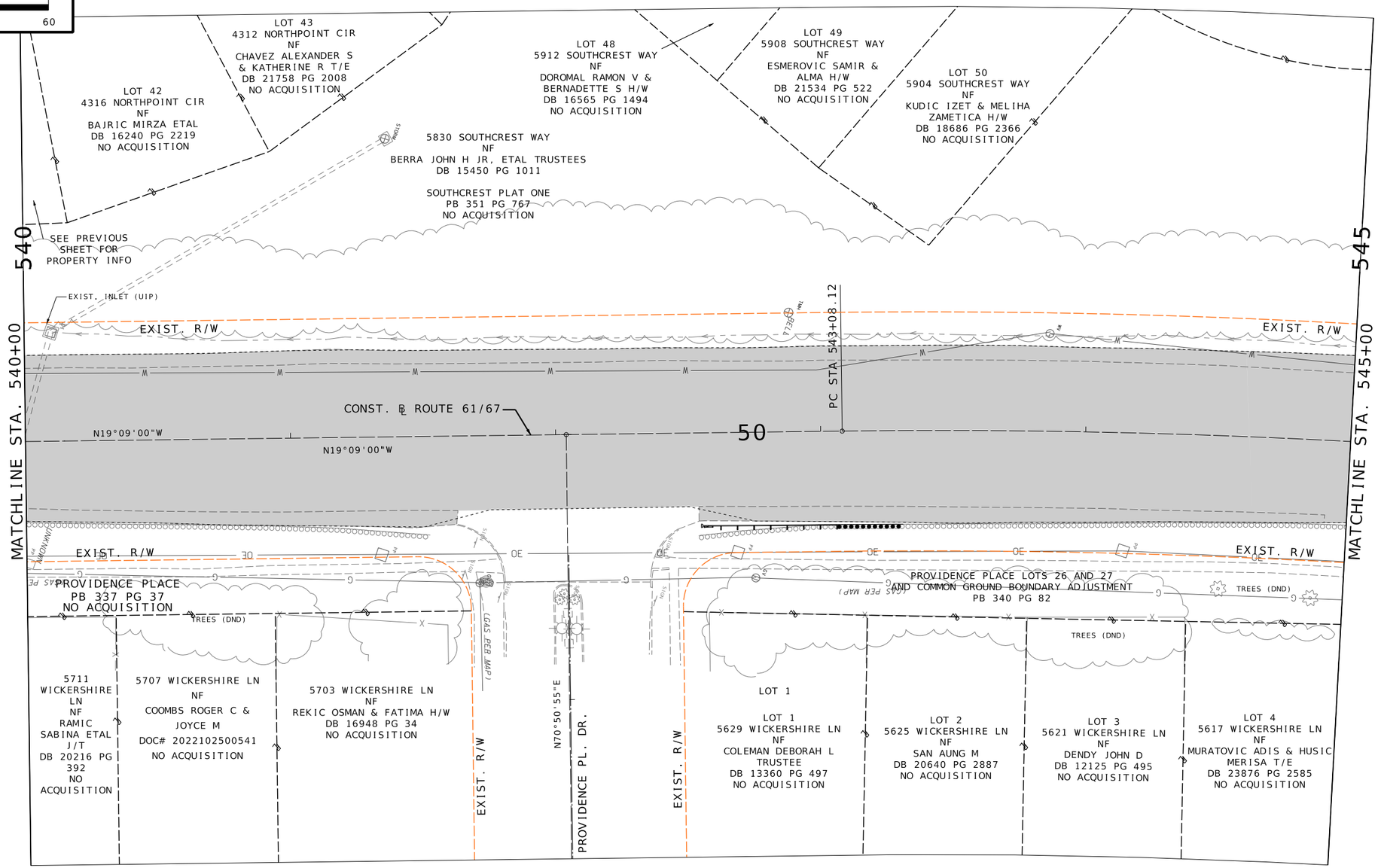
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 20 40 60

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SHEET 16 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

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DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	68

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

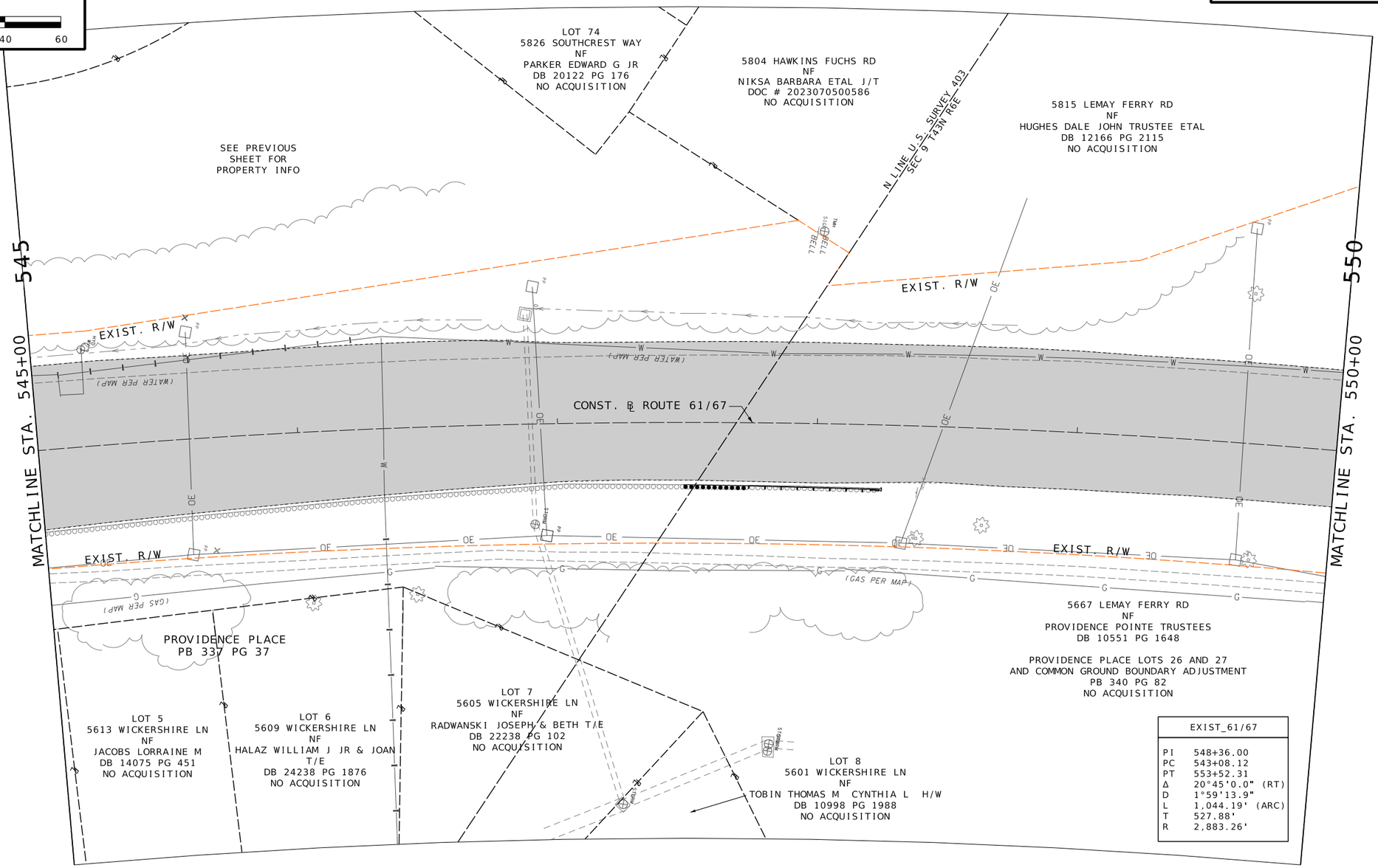
GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE
0 20 40 60

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EXIST_61/67	
PI	548+36.00
PC	543+08.12
PT	553+52.31
Δ	20°45'0.0" (RT)
D	1°59'13.9"
L	1,044.19' (ARC)
T	527.88'
R	2,883.26'

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 17 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 69
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

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

SCALE

0 20 40 60

SEE PREVIOUS SHEET FOR PROPERTY INFO

5807 LEMAY FERRY RD
NF
ROCKY MOUNT ENTERPRISES LLC
DB 19645 PG 1162
NO ACQUISITION

5497 LEMAY FERRY RD
NF
WOOD RICHARD L
CATHERINE B
DB 6387 PG 1214
NO ACQUISITION

EXIST. R/W

550

555

MATCHLINE STA. 550+00

MATCHLINE STA. 555+00

CONST. ℄ ROUTE 61/67

OLD LEMAY FERRY RD

N14°49'14"W

PCC STA. 553+52.31

(WATER PER MAP)

(GAS PER MAP)

TELEPHONE

50

OE

EXIST. R/W

EXIST. R/W

EXIST. R/W

CONSETT DR.

N87°11'31"E

4220 CONSETT DR
NF
PROVIDENCE POINTE TRUSTEES
DB 12205 PG 2098

PROVIDENCE POINTE
PB 347 PG 432
NO ACQUISITION

COMMON GROUND
AND ESMT

SEE PREVIOUS SHEET FOR PROPERTY INFO

LOT 53
4218 CONSETT DR
NF
FIZER LOUIS & JUDY H/W
DB 18859 PG 1135
NO ACQUISITION

LOT 1
4221 CONSETT DR
NF
LUCAS GARY & MARY ANNE LIVING TRUST
DB 21756 PG 1160
NO ACQUISITION

4218 PROVIDENCE POINTE DR
NF
PROVIDENCE POINTE TRUSTEES
DB 12205 PG 2098
NO ACQUISITION

COMMON GROUND
AND ESMT

LOT 8
4218 STANMOOR DR
NF
GOFF JANE E & JAMES R W/H
DB 20001 PG 2550
NO ACQUISITION

LAND TIE #4

LAND CORNER TIE:
FOUND STONE WITH CROSS AT THE SW CORNER OF DALE JOHN AND CHRISTINE ANN HUGHES TRACT ACCORDING TO DB 12166 PG 2115, ALSO BEING THE SE CORNER OF SOUTHVIEW PB 317 PGS 30 & 31
521.23 FEET SOUTHWEST OF BASELINE STATION 553+52.31
PROJECT COORDINATES
N:961956.7310 E:861143.1840

555

PCC 553+52.31

553

S30°22'37"W
521.23'

FOUND STONE WITH CROSS SOUTHEAST CORNER SOUTHVIEW

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RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 18 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 70
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
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CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

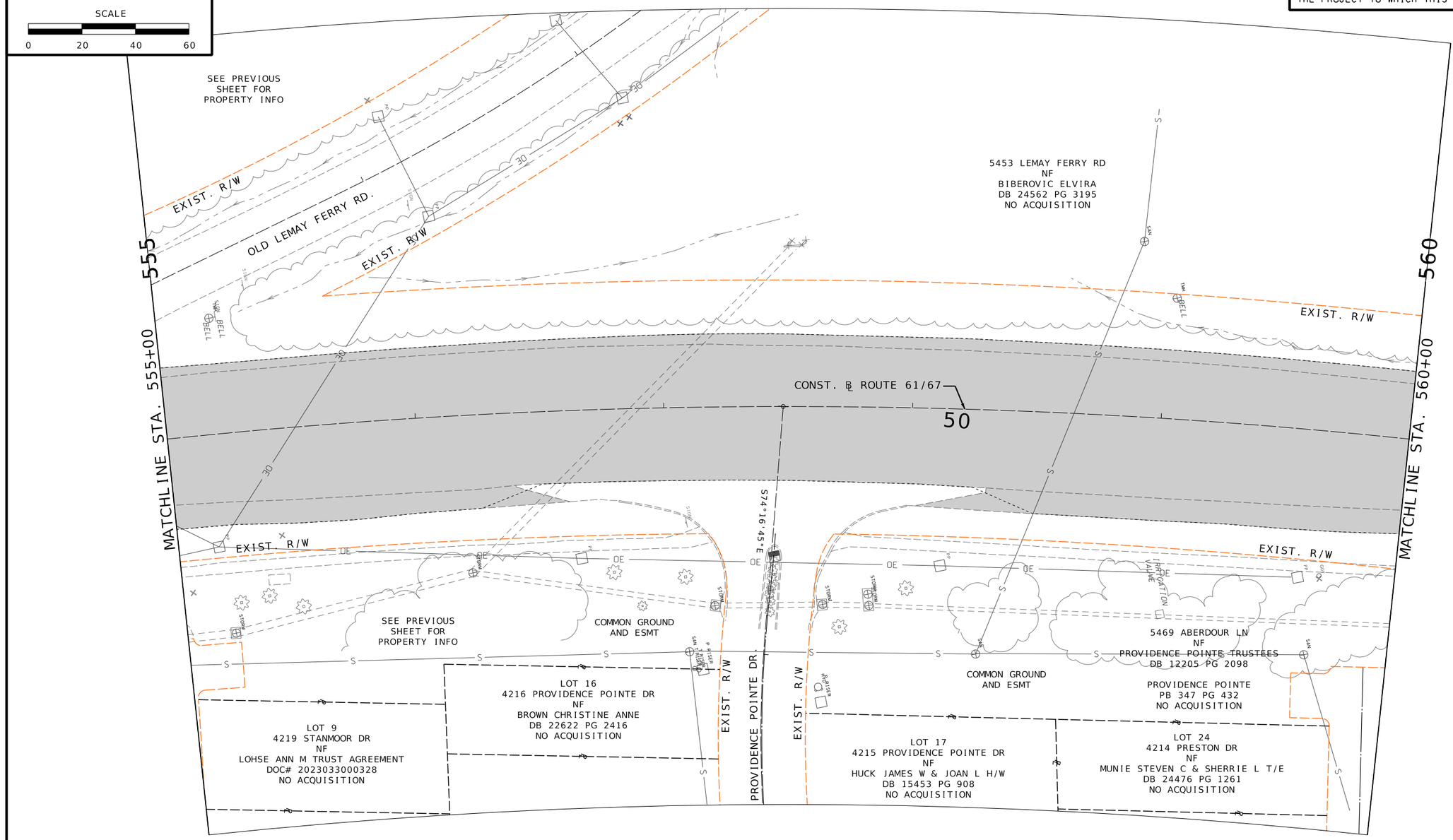
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 20 40 60

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- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	71

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 19 OF 48

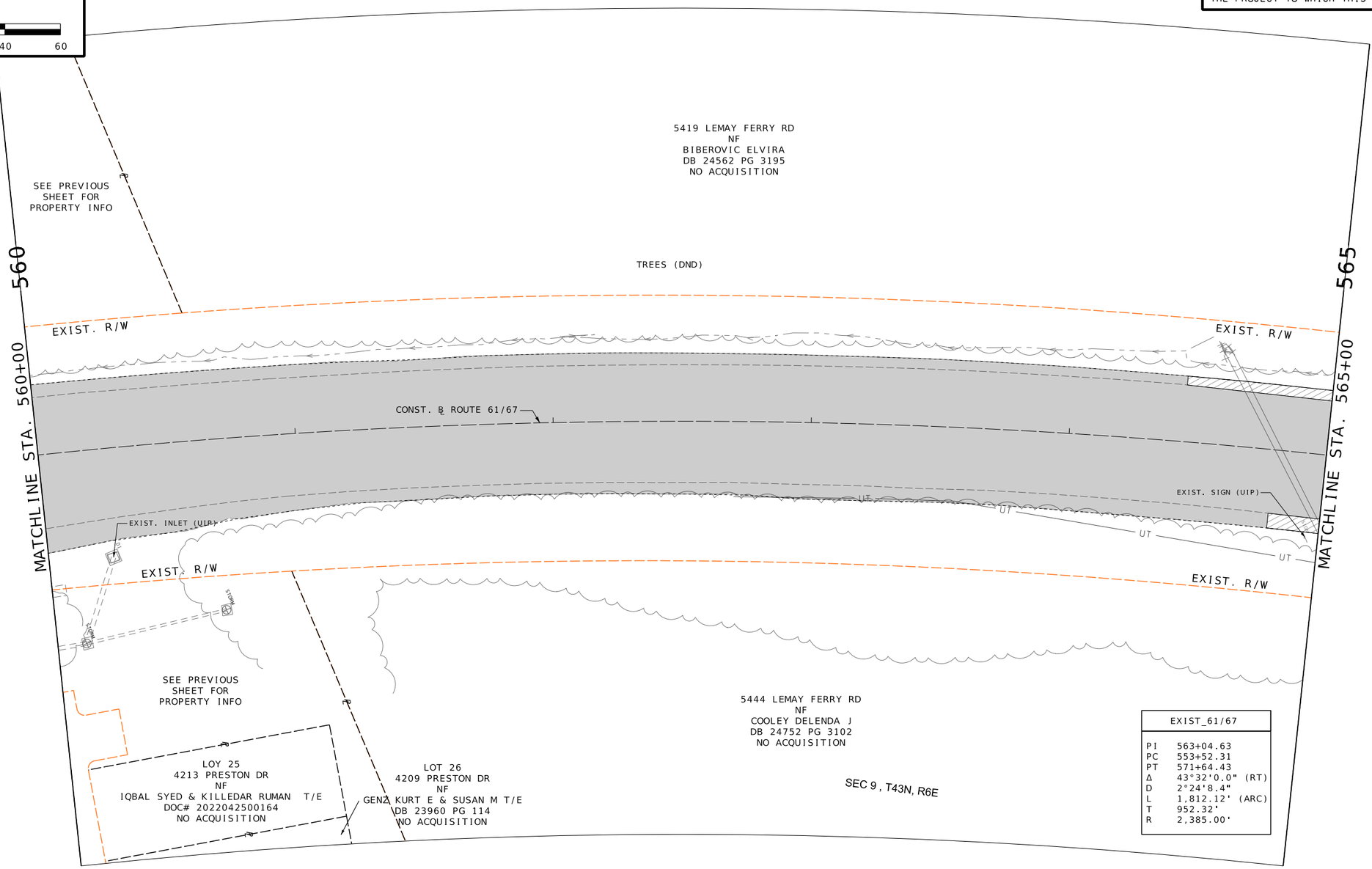
RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

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EXIST_61/67	
PI	563+04.63
PC	553+52.31
PT	571+64.43
Δ	43°32'0.0" (RT)
D	2°24'8.4"
L	1,812.12' (ARC)
T	952.32'
R	2,385.00'

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
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- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 20 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	72

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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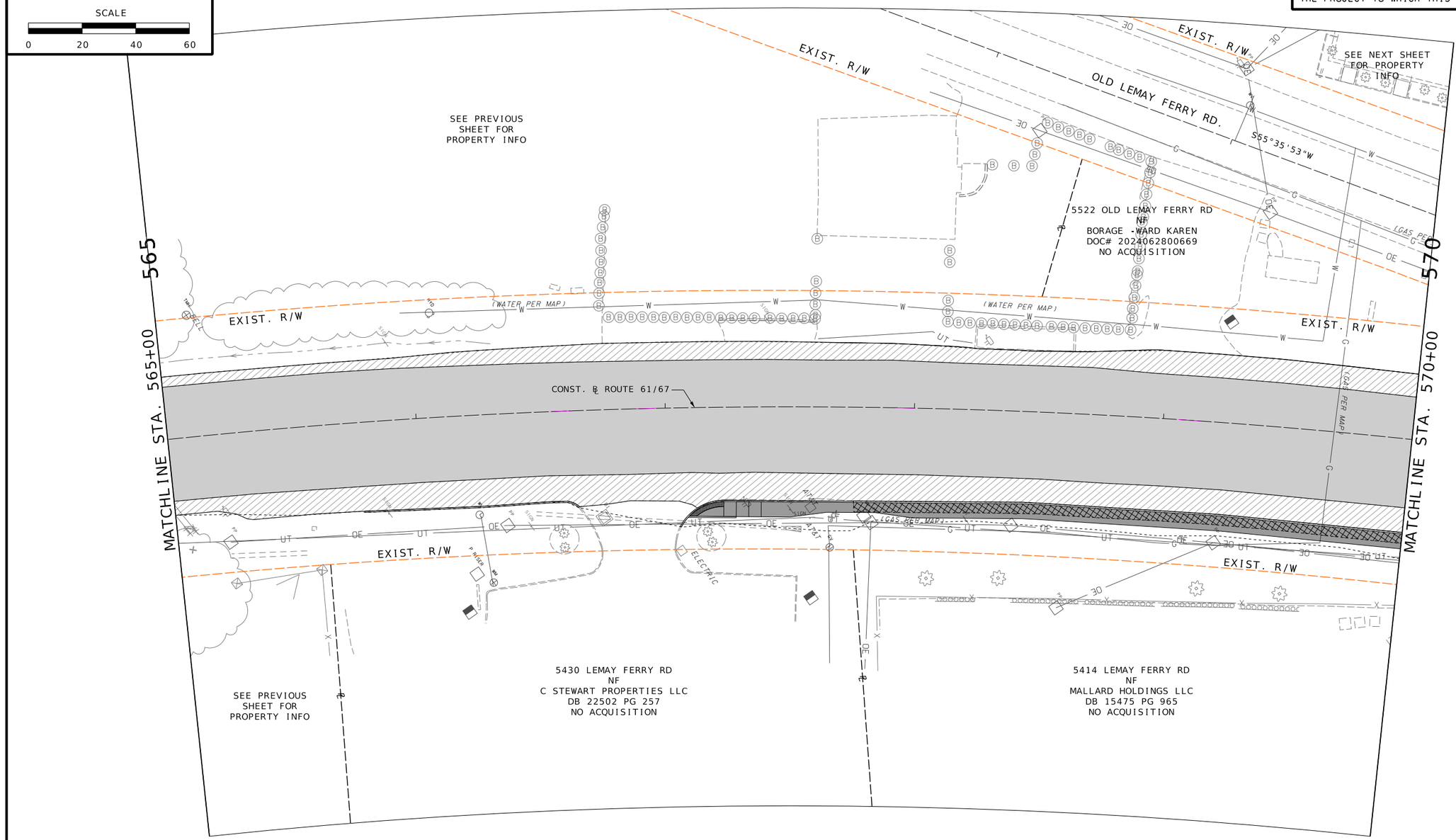
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 20 40 60

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- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 21 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	73

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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

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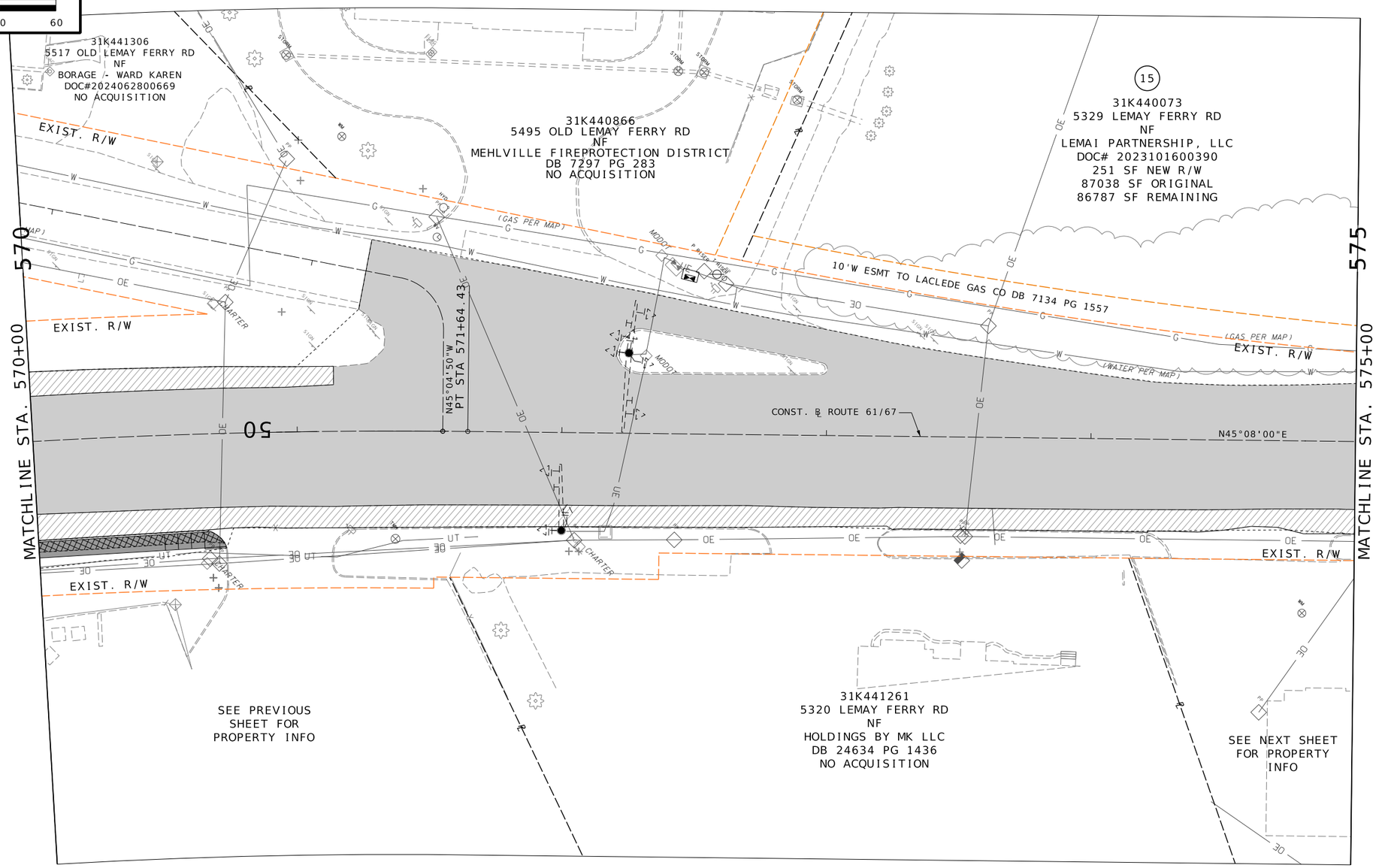
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SCALE

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- DRIVEWAYS
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SHEET 22 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 74
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

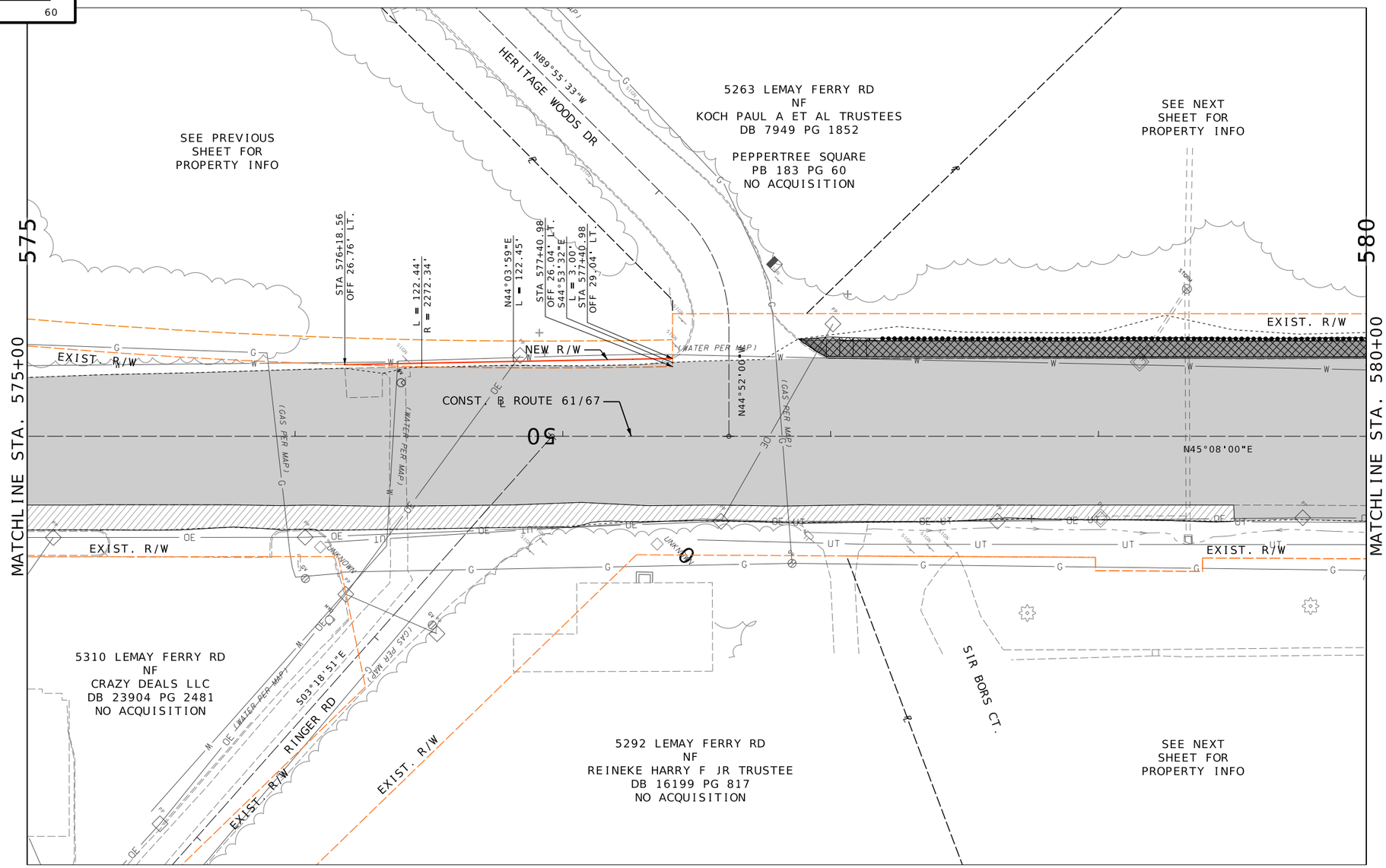
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 20 40 60

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- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 23 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 75
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

25MSD-00224; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

c:\bms\gba-pw-01\helen le\dms13764\075_RW_23_J6S3578_i20.dgn 3:31:50 PM 7/25/2025

SCALE

0 20 40 60

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SEE NEXT SHEET FOR PROPERTY INFO

MATCHLINE STA. 580+00

580

585

MATCHLINE STA. 585+00

EXIST. R/W

EXIST. R/W

(WATER PER MAP)

(WATER PER MAP)

(GAS) PER MAP

N45°08'00"E

CONST. ℄ ROUTE 61/67

50

EXIST. R/W

EXIST. R/W

(GAS PER MAP)

S46°18'46"E

SIR BORS DR.

LANDSCAPING LIGHT

LANDSCAPING LIGHT

LANDSCAPING LIGHT

LANDSCAPING LIGHT

LANDSCAPING LIGHT

LANDSCAPING LIGHT

STA 583+11.09
OFF 47.51' RT.
N44°32'43"W
L = 10.00'

N45°27'17"E
L = 9.00'
STA 583+20.09
OFF 47.56' RT.
N45°27'17"E
L = 8.93'

STA 583+11.03
OFF 57.51' RT.
S45°27'17"W
L = 2.84'

STA 583+13.87
OFF 57.53' RT.
L = 11.76'
R = 61.19'

STA 583+28.37
OFF 52.61' RT.
S44°32'43"E
L = 5.00'

STA 583+28.40
OFF 47.61' RT.
N45°27'17"E
L = 33.50'

STA 583+61.84
OFF 57.80' RT.
S44°32'43"E
L = 5.00'

STA 583+61.87
OFF 52.80' RT.

(17)

31K531120
5254 LEMAY FERRY RD
NF
CARMAN LLC
DB 17686 PG 2929
57 SF T.C.E.
248059 SF ORIGINAL
248059 SF REMAINING

(18)

31K531395
5226 LEMAY FERRY RD
NF
KIMBERLY APARTMENTS LLC
DB 20742 PG 307
284 SF T.C.E
190007 SF ORIGINAL
190007 SF REMAINING

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
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- FULL-DEPTH SHOULDER RECONSTRUCTION

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025

ROUTE	STATE
61/67	MO

DISTRICT	SHEET NO.
SL	76

COUNTY: ST. LOUIS

JOB NO.: J6S3578

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)

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16305 SWINGLEY RIDGE RD
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 24 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

LAND TIE #5

LAND CORNER TIE:
FOUND STONE AT THE NW CORNER OF CC LAND LLC TRACT AS CALLED ACCORDING TO
DB 21662 PG 2004
2,809.99 FEET NORTHEAST OF BASELINE STATION PC 587+24.55
PROJECT COORDINATES
N:967863.9490 E:863866.5980

FOUND STONE
NORTHWEST CORNER

N13°25'41"E
2,809.99'
PC 587+24.55
588
586

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
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	77

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

16
30K210848
5255 LEMAY FERRY RD
NF
KUTIS FUNERAL HOME INC
DB 23695 PG 109
400 SF T.C.E.
290453 SF ORIGINAL
290453 SF REMAINING

EXIST_61/67

PI	589+26.02
PC	587+24.55
PT	591+22.91
Δ	21°8'0.1" (LT)
D	5°18'18.6"
L	398.35' (ARC)
T	201.47'
R	1,080.00'

SEE NEXT SHEET FOR PROPERTY INFO

MATCHLINE STA. 585+00

585

STA 585+80.00
OFF 45.56' LT.
N44°52'00"W
L = 5.00'
STA 585+80.00
OFF 50.56' LT.
S45°08'59"W
L = 80.00'
N45°08'59"E
L = 80.00'
STA 586+60.00
OFF 50.54' LT.
S44°52'00"E
L = 5.00'
STA 586+60.00
OFF 45.54' LT.

EXIST. R/W
T.C.E.
PC STA 587+24.55
N45°08'00"E
(WATER PER MAP)
CONST. ℄ ROUTE 61/67
DB 20503 PG 650 TO MSD
10' W. ESMT.
EXIST. R/W
590
MATCHLINE STA. 590+00
S58°06'40"E
EXIST. R/W
UNKNOWN
STORM
UE
UT
G
W
OE

SEE PREVIOUS SHEET FOR PROPERTY INFO

31K531384
5211 SIR BORS DR
NF
KIMBERLY APARTMENTS LLC
DB 23846 PG 111
NO ACQUISITION

31K530323
5207 SIR BORS DR
NF
KIMBERLY APARTMENTS LLC
DB 23846 PG 111
NO ACQUISITION

STA 587+48.90
OFF 49.41' RT.
N46°47'20"W
L = 10.00'
STA 587+49.00
OFF 59.40' RT.
L = 74.66'
R = 1126.34'
L = 74.00'
R = 1116.34'
STA 588+19.80
OFF 58.56' RT.
S50°35'13"E
L = 10.00'
STA 588+19.68
OFF 48.56' RT.
STA 588+57.78
OFF 48.09' RT.
N52°37'47"W
L = 10.00'
STA 588+57.89
OFF 58.09' RT.

19
30K210013
5204 LEMAY FERRY RD
NF
5204 LEMAY FERRY LLC
DB 19457 PG 769
1,790 SF T.C.E.
25933 SF ORIGINAL
25933 SF REMAINING

L = 74.71'
R = 1126.34'
L = 74.04'
R = 1116.34'
STA 589+28.68
OFF 47.16' RT.
STA 589+28.81
OFF 57.16' RT.
L = 37.80'
R = 22.73'
L = 15.00'
STA 589+43.03
OFF 71.24' RT.
S30°23'43"W
L = 10.00'
STA 589+52.40
OFF 70.74' RT.
STA 589+99.35
OFF 71.17' RT.
L = 10.00'
R = 137.46'
STA 589+99.83
OFF 81.15' RT.
EXIST. R/W
NOTTINGHAM ESTATES DR.

RIGHT OF WAY SHEET LEGEND

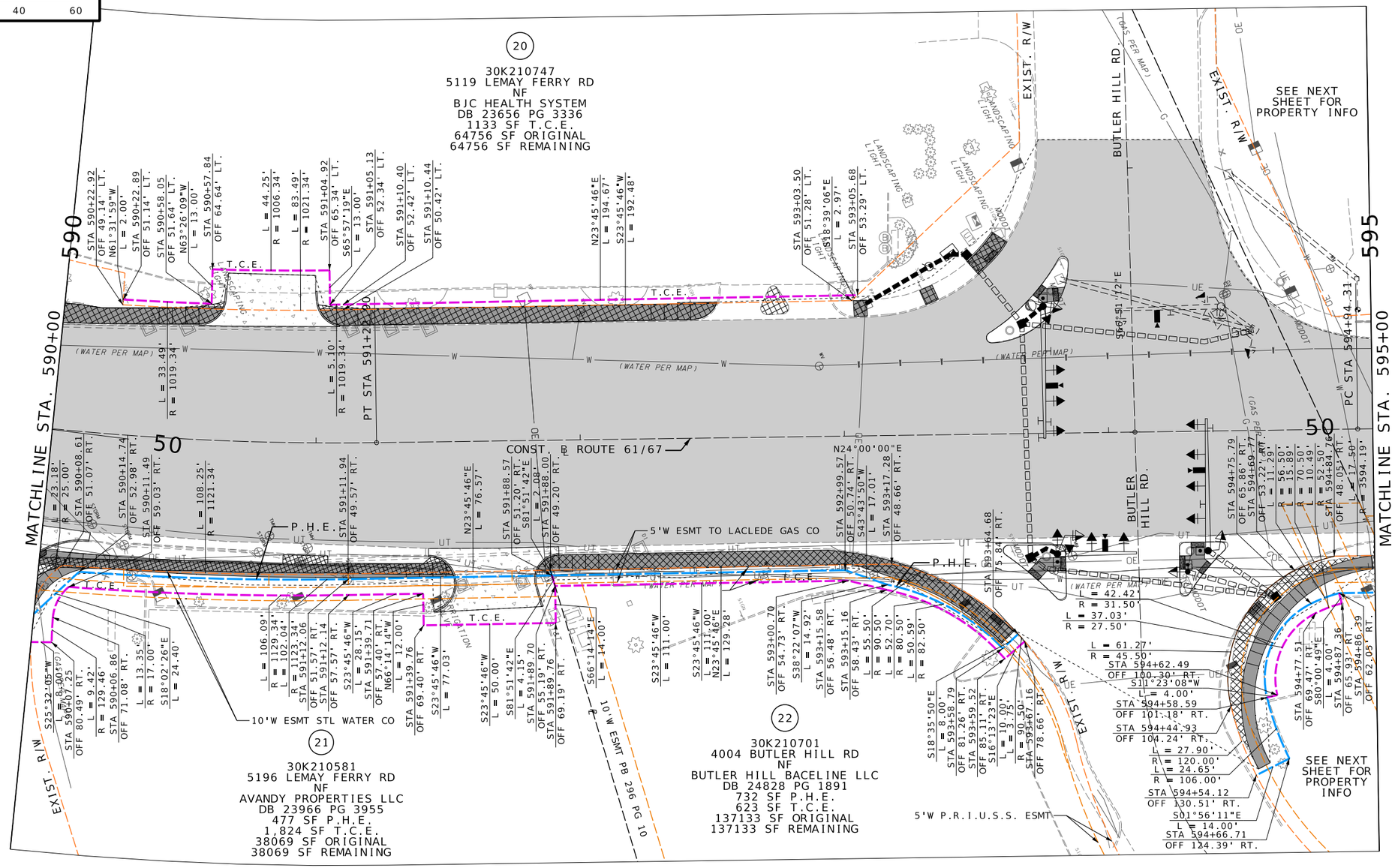
- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE
0 20 40 60

DISCLAIMER
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RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
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- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 26 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 78
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 20 40 60

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(24)
VOID
30K210251, 30K210738
5023,5035 LEMAY FERRY RD
NF
QUIKTRIP CORP.
DOC# 2023012700232
DOC# 2023012700233
NO ACQUISITION

30K210518
5017 LEMAY FERRY RD
NF
WRILEY GARY AND TERRI
REV LIV TRUST
DB 23269 PG 148
NO ACQUISITION

30K210527
5009 LEMAY FERRY RD
NF
INRETRA LLC
DOC# 2024011600129
NO ACQUISITION

EXIST_61/67	
PI	598+05.42
PC	594+94.31
PT	601+14.94
Δ	10°0'59.9" (LT)
D	1°36'50.3"
L	620.62' (ARC)
T	311.10'
R	3,550.00'

595
600
MATCHLINE STA. 595+00
MATCHLINE STA. 600+00
EXIST. R/W
(WATER PER MAP)
CONST. ℄ ROUTE 61/67
EXIST. R/W
20'W SEWER ESMT DB 2917 PG 432
5'W ESMT PB 296 PG 10
10'x10' UE ESMT
DB 8375 PG 1578
10'W WATER ESMT
DB 8427 PG 340
10'W WATER ESMT
DB 8370 PG 2267
EXIST. R/W
S LINE SEC 4 T43N R6E
S74°04'55"E
BARBAGALLO DR.
ESMT TO ST LOUIS CO WATER
DB 6372 PG 1556 PART 1
ESMT TO ST LOUIS CO WATER
DB 6372 PG 1556 PART 2
20'W ESMT TO ST LOUIS CO WATER
DB 6372 PG 1556 PART 2
STA 595+02.20
OFF 62.01' RT
S66°18'22"E
L = 14.00'
STA 595+02.16
OFF 48.01' RT
L = 15.95'
R = 3608.91'
ESMT TO UE
DB 13632 PG 422

(23)
30K210802
5050 LEMAY FERRY RD
NF
MENLO REALTY INCOME PROPERTIES 27 LLC
DB 20556 PG 2182
1,518 SF P.H.E.
202 SF T.C.E.
83717 SF ORIGINAL
83717 SF REMAINING

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 79
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 27 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

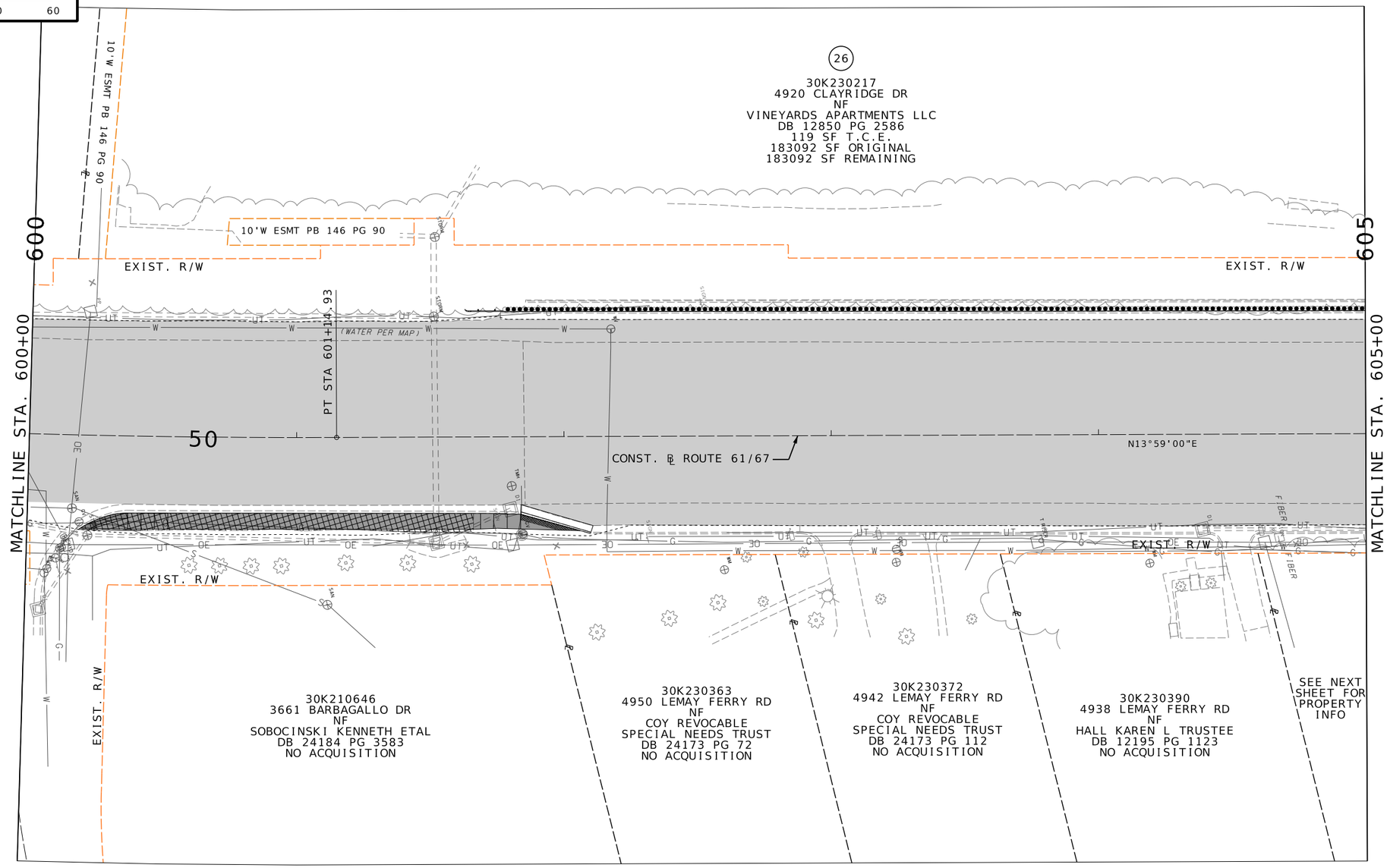
25MSD-00224; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

c:\bms\gba-pw-01\helen le\dms13764\079_RW_27_J6S3578_i20.dgn 12:24:50 PM 7/25/2025

SCALE

0 20 40 60

DISCLAIMER
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RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
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- PROPOSED SIDEWALK
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- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 28 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	80

COUNTY ST. LOUIS

JOB NO. J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

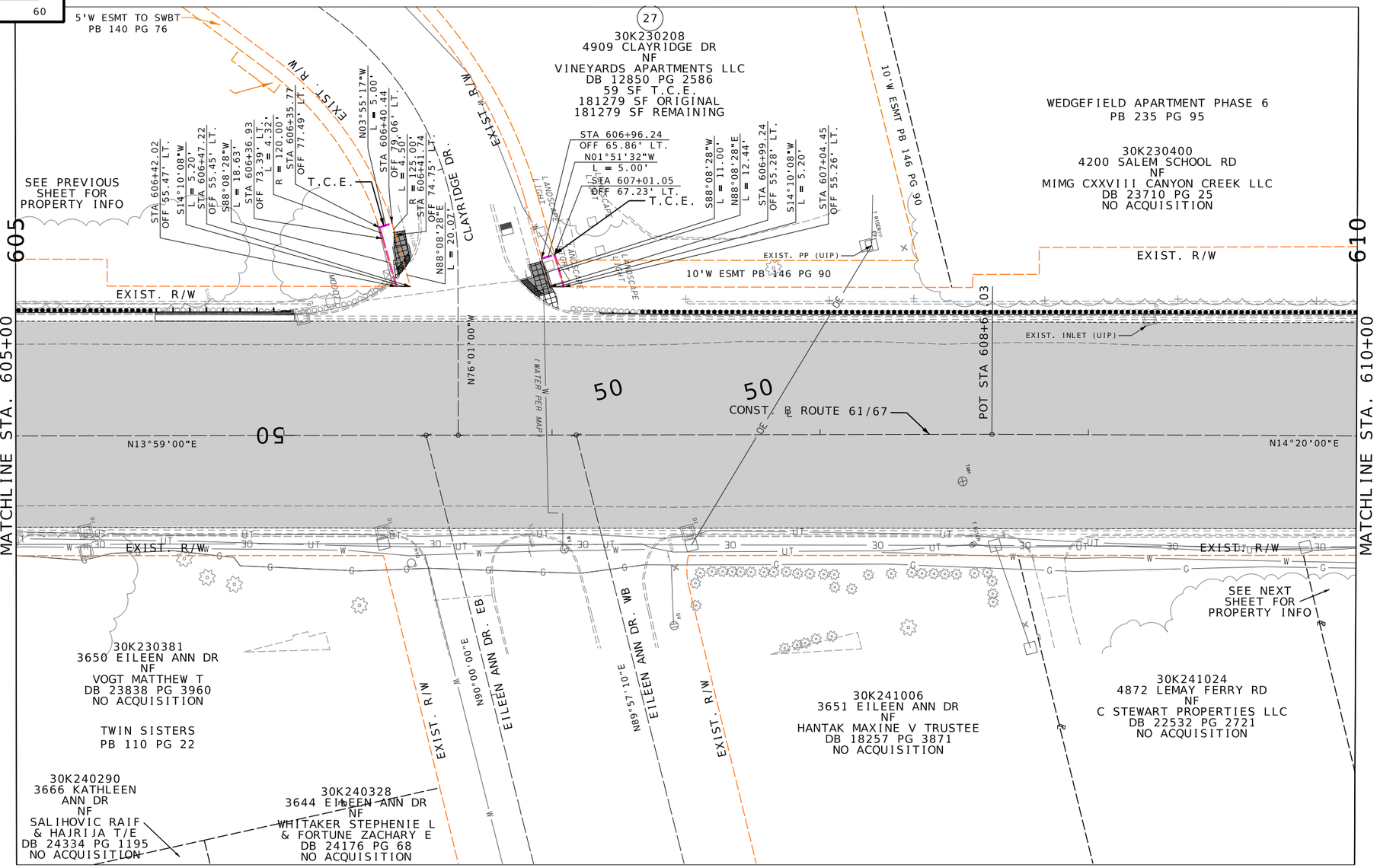
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE

0 20 40 60

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RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
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- CONSTRUCTION LIMITS (SL)
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- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 29 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 81
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

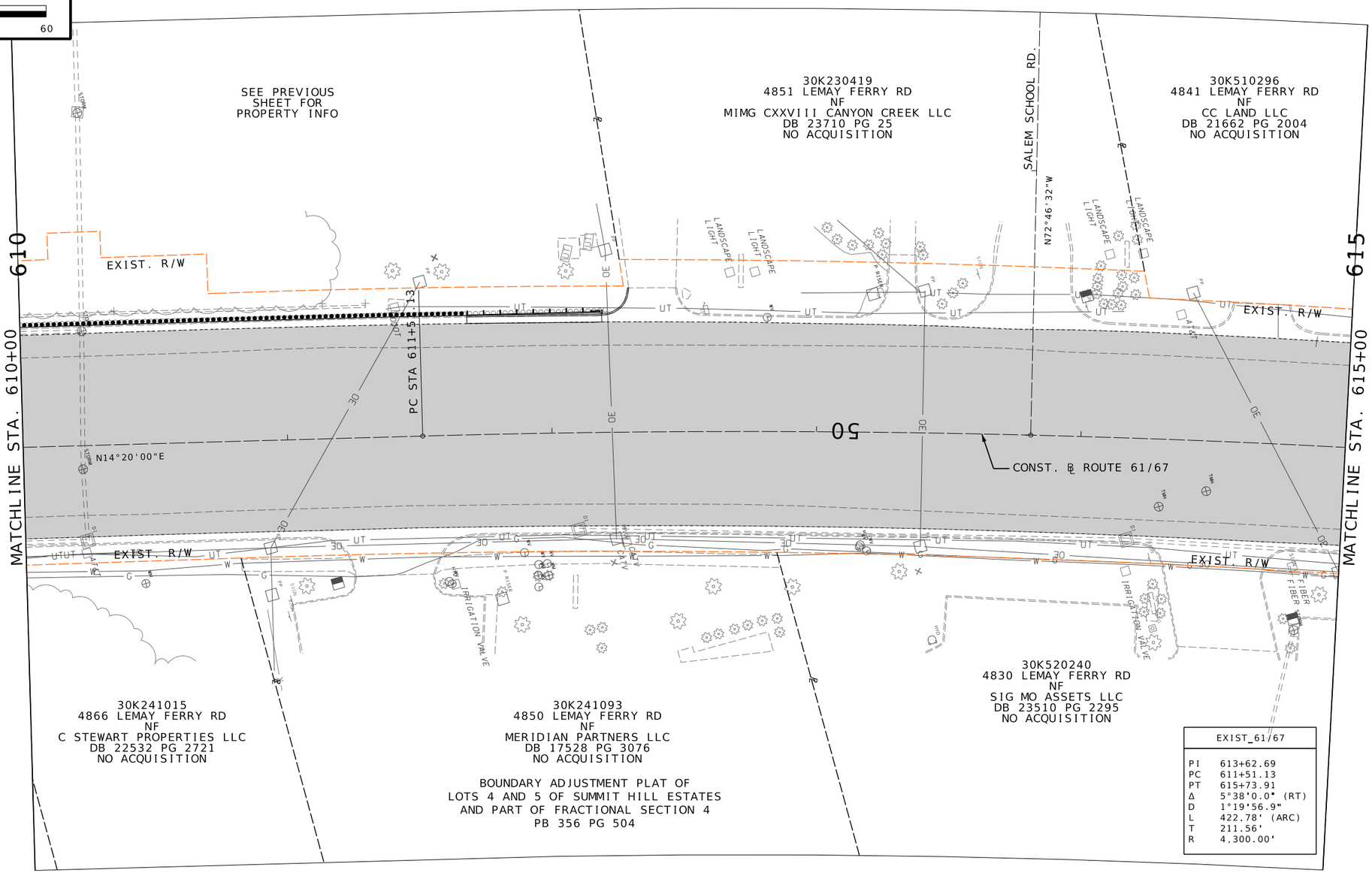
25MSD-00224; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

c:\bms\gba-pw-01\helen le\dms13764\081_RW_29_J6S3578_i20.dgn 3:33:28 PM 7/25/2025

SCALE

0 20 40 60

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EXIST_61/67	
PI	613+62.69
PC	611+51.13
PT	615+73.91
Δ	5°38'0.0" (RT)
D	1°19'56.9"
L	422.78' (ARC)
T	211.56'
R	4,300.00'

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 30 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	82

COUNTY ST. LOUIS

JOB NO. J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

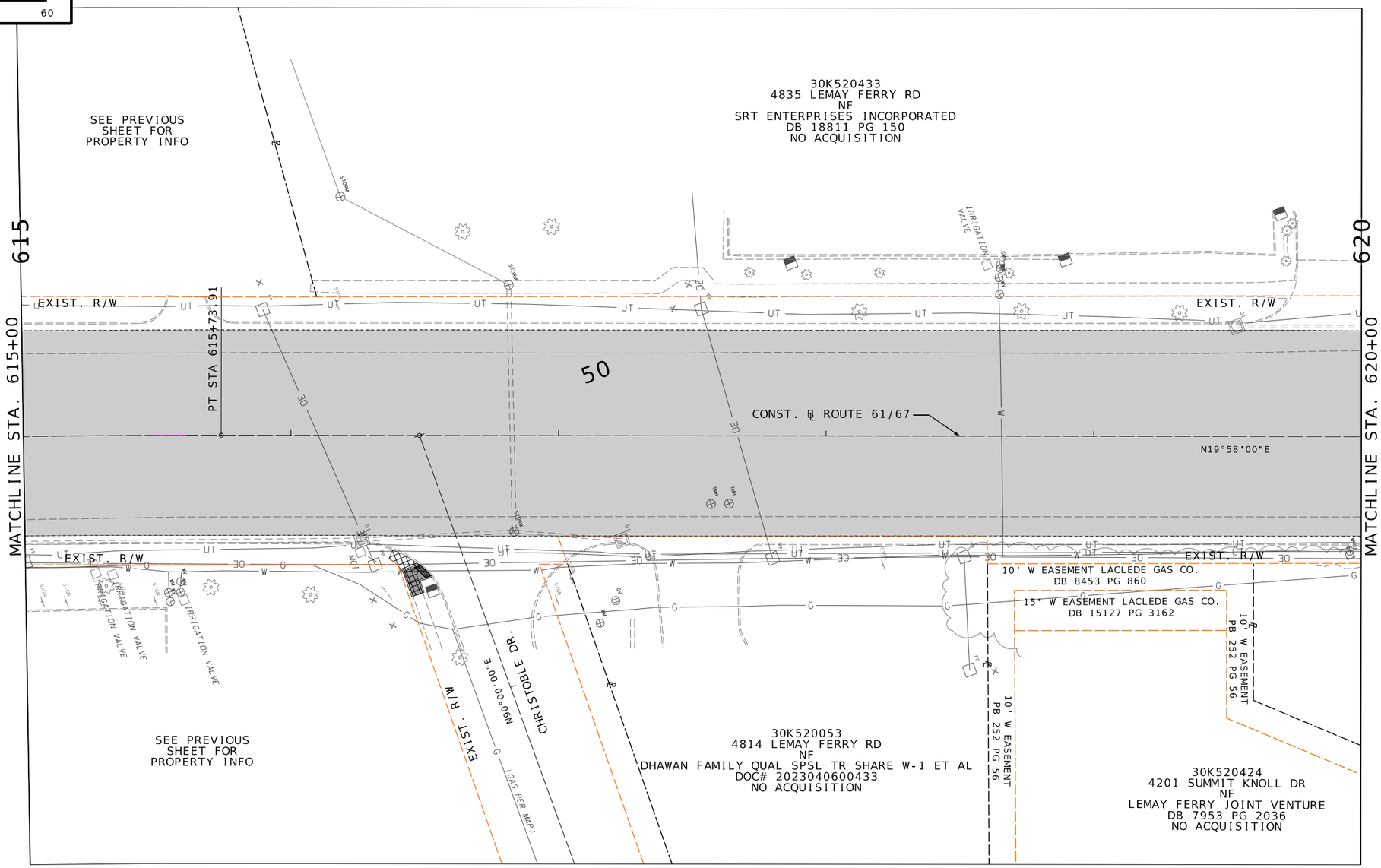
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 20 40 60

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- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 31 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	83

COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

GBA
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CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 20 40 60

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SEE PREVIOUS SHEET FOR PROPERTY INFO

30K520130
4795 LEMAY FERRY RD
NF
MAIXNER ALBERT A ET AL
DB 23410 PG 1826
NO ACQUISITION

30K540161
4755 LEMAY FERRY RD
NF
MAIXNER ALBERT K
DB 23937 PG 175
NO ACQUISITION

620

625

MATCHLINE STA. 620+00

MATCHLINE STA. 625+00

EXIST. R/W

EXIST. R/W

PC STA 623+41.66

CONST. ℄ ROUTE 61/67

N19°58'00"E

EXIST. R/W

EXIST. R/W

SEE PREVIOUS SHEET FOR PROPERTY INFO

10' W EASEMENT PB 252 PG 56

10' W EASEMENT PB 252 PG 56

SEE NEXT SHEET FOR PROPERTY INFO

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 32 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	84

COUNTY: ST. LOUIS

JOB NO. J6S3578

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)

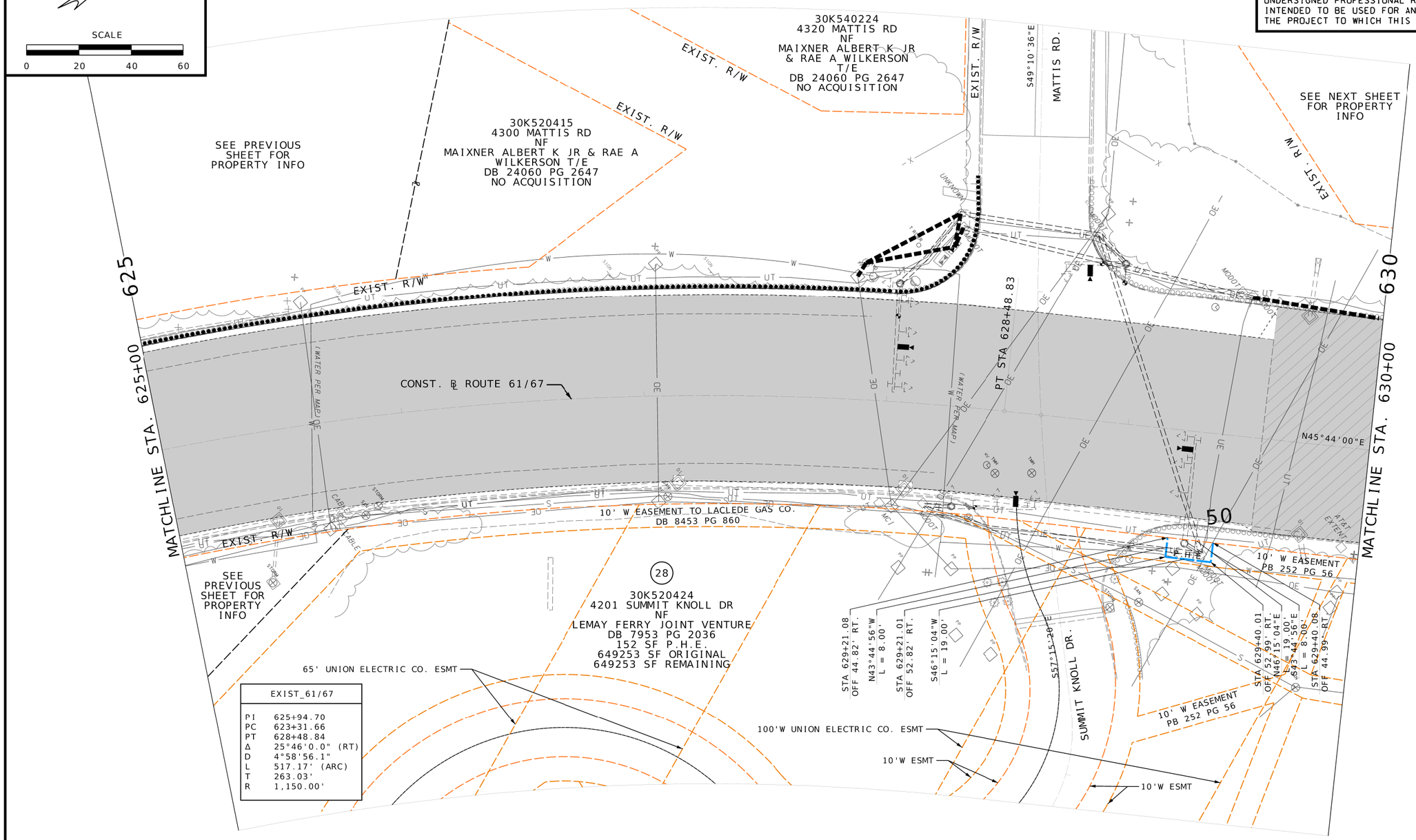
GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE
0 20 40 60

DISCLAIMER
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RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	85

COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SHEET 33 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 20 40 60

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29

4655 LEMAY FERRY ROAD BOUNDARY ADJUSTMENT PLAT
PB 355 PG 125
30K540361
4655 LEMAY FERRY RD
NF
FENIX REALTY COMPANY
DB 12629 PG 2487
381 SF T.C.E.
220148 SF ORIGINAL
220148 SF REMAINING

EXIST_61/67	
PI	633+74.65
PC	632+70.16
PT	634+78.10
Δ	14°1'0.0" (LT)
D	6°44'26.4"
L	207.94' (ARC)
T	104.49'
R	850.00'

STA 631+60.65
OFF 80.83' LT.
N46°18'44"E
L = 13.00'
STA 631+73.64
OFF 80.69' LT.
T.C.E.
S43°41'16"E
L = 29.04'
STA 631+73.35
OFF 51.65' LT.
N43°41'16"W
L = 29.50'
S44°18'08"W
L = 13.01'
STA 631+60.35
OFF 51.33' LT.

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

630
635
STA. 630+00
STA. 635+00
MATCHLINE STA
MATCHLINE STA

BRIDGE A5352
N45°44'00"E
PC STA 632+70.15
PT STA 634+78.09
CONST. ℄ ROUTE 61/67
50

SEE PREVIOUS SHEET FOR PROPERTY INFO

PL1603071
30K520709
NF
HOA
DB 23010 PG 2684 UNIT 301
DB 21744 PG 2467 UNIT 302
NO ACQUISITION

S47°37'37"E
KASSEBAUM LN.
BNSF
E LINE SEC 4 T43N R6E
W LINE SEC 3 T43N R6E

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 34 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 86
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

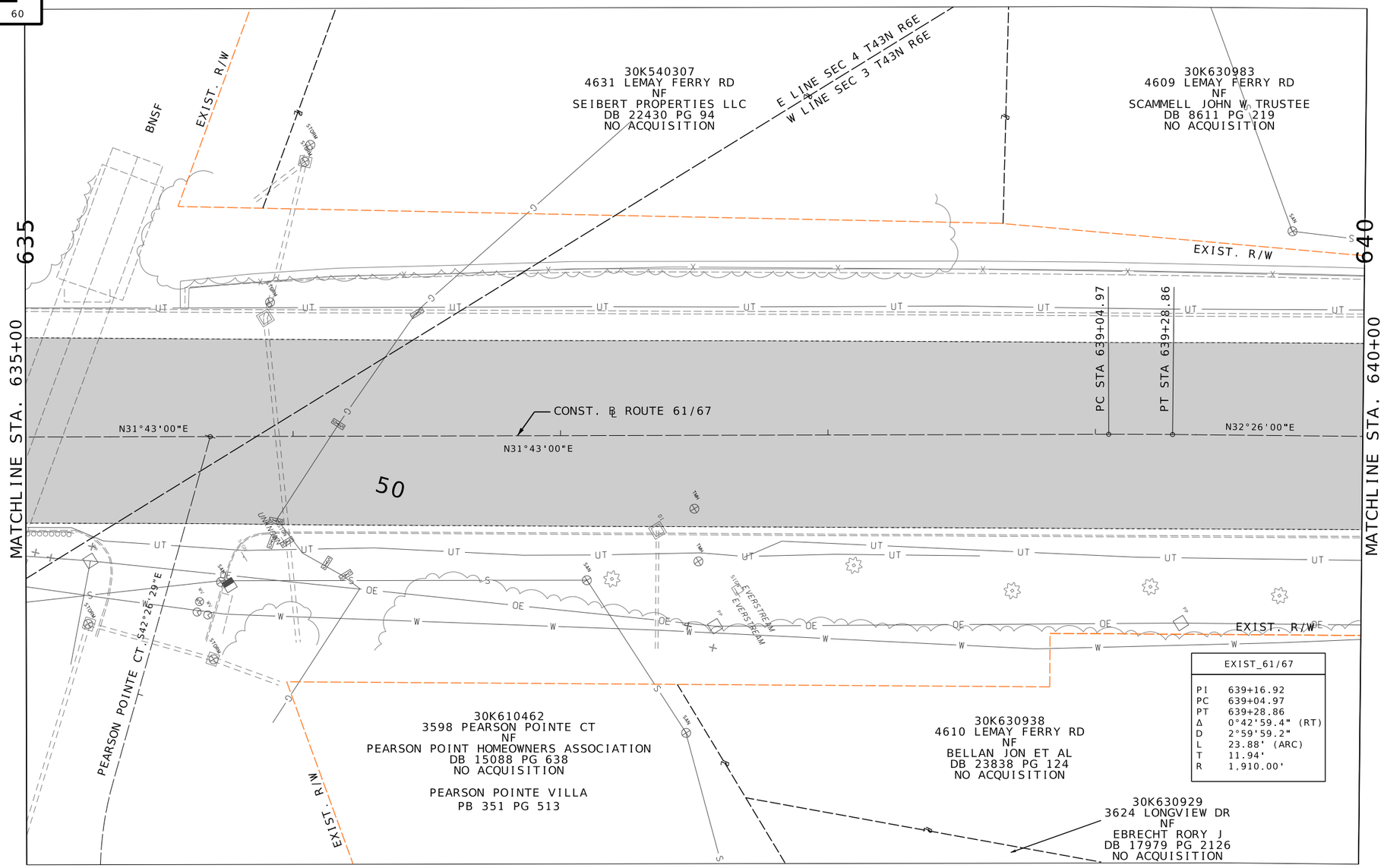
25MSD-00224; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

c:\bms\gba-pw-01\helen le\dms13764\086_RW_34_J6S3578_i20.dgn 3:35:01 PM 7/25/2025

SCALE

0 20 40 60

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EXIST_61/67	
PI	639+16.92
PC	639+04.97
PT	639+28.86
Δ	0°42'59.4" (RT)
D	2°59'59.2"
L	23.88' (ARC)
T	11.94'
R	1,910.00'

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 87
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SHEET 35 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

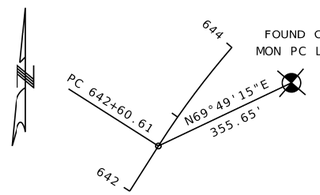
SCALE

0 20 40 60

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LAND TIE #6

LAND CORNER TIE:
FOUND CONCRETE MONUMENT AT THE PC OF LOT 8 OF
PARTRIDGE FARMS ESTATE
PB 148 PG 59
355.65 FEET NORTHEAST OF BASELINE STATION PC 642+60.61
PROJECT COORDINATES
N:970176.2130 E:865885.5030



SEE PREVIOUS SHEET FOR PROPERTY INFO

30K630992
4605 LEMAY FERRY RD
NF
SCAMMELL JOHN W TRUSTEE
DB 17329 PG 3054
NO ACQUISITION

29K310117
4575 LEMAY FERRY RD
NF
AMERCO REAL ESTATE CO
DB 22986 PG 3353
NO ACQUISITION

EXIST. R/W

MATCHLINE STA. 640+00

MATCHLINE STA. 645+00

PC STA 642+60.61

CONST. ℄ ROUTE 61/67

N32°26'00"E

EXIST. R/W

EXIST. R/W

LONGVIEW DR.

S62°05'17"E

30K630974
4598 LEMAY FERRY RD
NF
MOLL JOSEPH C
DB 15804 PG 1404
NO ACQUISITION

30K631001
4545 ALBERHILL DR
NF
ZAFER AHMAD FARID &
FNU DIANE T/E
DB 21798 PG 2183
NO ACQUISITION

4551 ALBERHILL DR
NF
WHITE SEAN C & STEPHANIE L H/W
DB 16768 PG 1150
NO ACQUISITION

SEE PREVIOUS SHEET FOR PROPERTY INFO

SEE PREVIOUS SHEET FOR PROPERTY INFO

SEE NEXT SHEET FOR PROPERTY INFO

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 36 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 88
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

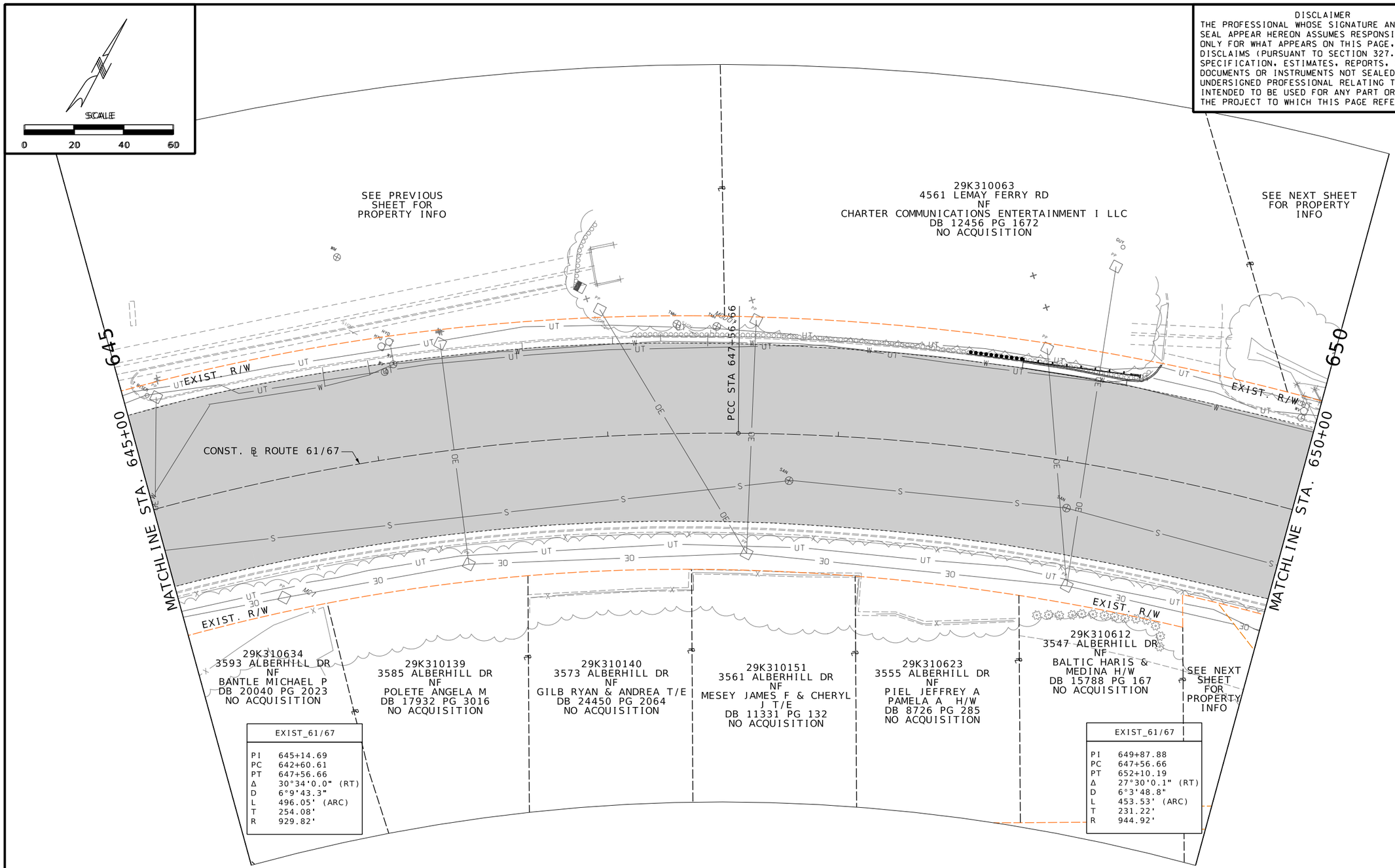
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

25MSD-00224; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

c:\bms\gba-pw-01\brian kierath\dms13764\088_RW_36_J6S3578_i20.dgn 8:46:15 AM 7/25/2025

SCALE
0 20 40 60

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EXIST_61/67	
PI	645+14.69
PC	642+60.61
PT	647+56.66
Δ	30°34'0.0" (RT)
D	6°9'43.3"
L	496.05' (ARC)
T	254.08'
R	929.82'

EXIST_61/67	
PI	649+87.88
PC	647+56.66
PT	652+10.19
Δ	27°30'0.1" (RT)
D	6°3'48.8"
L	453.53' (ARC)
T	231.22'
R	944.92'

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025
ROUTE: 61/67 | STATE: MO
DISTRICT: SL | SHEET NO.: 89
COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 37 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

DISCLAIMER
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N

SCALE
0 20 40 60

29K310074
4557 LEMAY FERRY RD
N/F
FREEDOM TEMPLE ASSOCIATION
DB 8260 PG 607
NO ACQUISITION

(31)
29K310580
4545 LEMAY FERRY RD
NF
VANTAGE CREDITUNION
DB 14345 PG 1369
288 SF T.C.E.
78951 SF ORIGINAL
78951 SF REMAINING

(32)
29K322228
4533 LEMAY FERRY RD
NF
MHC AE LLC
DB 25354 PG 3225
2,805 SF T.C.E.
249322 SF ORIGINAL
249322 SF REMAINING

STA 653+35.01
OFF 57.00' LT.
N00°22'45"E
L = 6.00'
STA 653+35.03
OFF 51.00' LT.

N89°37'15"W
L = 48.25'
S89°37'15"E
L = 47.79'
S04°00'57"E
L = 6.02'
STA 653+82.80
OFF 57.10' LT.
STA 653+83.28
OFF 51.10' LT.

N89°37'15"W
L = 73.06'
S89°37'15"E
L = 73.52'
STA 654+56.33
OFF 51.25' LT.
STA 654+56.32
OFF 57.25' LT.
L = 217.23'
R = 1247.87'
L = 150.50'
R = 1241.87'

650
655
MATCHLINE STA. 650+00
MATCHLINE STA. 655+00
EXIST. R/W
EXIST. R/W
PT STA 651+67.74
PC STA 654+57.24
CONST. ℄ ROUTE 61/67
S89°30'00"E
S89°30'00"W
50
(WATER PER MAP)
UNKNOWN
EVERSTREAM
BROADBAND
MODOT
T.C.E.
P.H.E.
STORMWATER CONTROL ESMT TO MSD
DB 8063 PG 987

STA 653+09.18
OFF 44.50' RT.
N00°28'17"E
L = 15.00'
STA 653+09.18
OFF 59.50' RT.
N89°31'43"W
L = 20.00'
N89°31'43"W
L = 20.00'
STA 653+29.18
OFF 59.49' RT.
S00°28'17"W
L = 15.00'
STA 653+29.18
OFF 44.49' RT.

STA 653+90.91
OFF 54.05' RT.
N03°51'14"W
L = 15.13'
STA 653+92.05
OFF 69.13' RT.
N78°43'57"E
L = 42.37'
S78°43'57"W
L = 42.97'

STA 654+34.12
OFF 60.37' RT.
S89°00'46"W
L = 3.46'
STA 654+37.58
OFF 60.28' RT.
S27°25'44"W
L = 17.06'
STA 654+32.38
OFF 45.41' RT.
N89°00'40"E
L = 12.93'
STA 654+45.31
OFF 46.07' RT.

(30)
30K640700
4540 LEMAY FERRY RD
NF
VICTORY CHURCH
DB 25270 PG 4556
PARCEL NO. 1A
1,063 SF P.H.E.
405675 SF ORIGINAL
405675 SF REMAINING

10'W ESMT TO SPIRE MO. INC
DB 24184 PG 56165

S63°35'41"W
KELLER PLAZA DR.

SEE NEXT SHEET
FOR PROPERTY INFO

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR.
NUMBER
PE-2023008624
STATE OF MISSOURI
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	90

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

REV.

SCALE
0 20 40 60

SEE PREVIOUS SHEET FOR PROPERTY INFO

34
29K322251
4519 ALPS DR
NF
SV SWISS CHALET MANAGER LLC
DB 24974 PG 4497
2,613 SF T.C.E.
353163 SF ORIGINAL
353163 SF REMAINING

EXIST_61/67	
PI	658+57.74
PC	654+57.84
PT	662+33.32
Δ	34°29'59.9"(LT)
D	4°26'56.0"
L	775.48' (ARC)
T	399.89'
R	1,287.87'

L = 150.50'
R = 1241.87'
L = 217.23'
R = 1247.87'
STA 656+13.78
OFF 57.67' LT.
N06°33'52"W
L = 19.00'
STA 656+13.74
OFF 76.67' LT.
L = 55.50'
R = 1222.87'
STA 656+72.75
OFF 76.78' LT.
S09°09'53"E
L = 19.00'
STA 656+72.79
OFF 57.78' LT.
L = 10.07'
R = 1241.87'
STA 656+83.33
OFF 57.80' LT.
S02°31'57"E
L = 6.05'
STA 656+82.56
OFF 51.80' LT.
L = 206.71'
R = 1247.87'
L = 140.00'
R = 1241.87'
STA 658+29.92
OFF 57.96' LT.
N16°05'18"W
L = 9.00'
STA 658+29.91
OFF 66.96' LT.
L = 64.50'
R = 1232.87'
SWISS DR.
N01°01'26"E
STA 658+97.95
OFF 66.99' LT.
S19°05'09"E
L = 35.00'
STA 658+97.95
OFF 51.99' LT.
STA 659+40.67
OFF 51.98' LT.
N20°58'06"W
L = 9.00'
STA 659+40.67
OFF 60.98' LT.
L = 86.50'
R = 1247.87'
L = 90.15'
R = 1238.87'

655
660
STA. 655+00
STA. 660+00
MATCHLINE STA. 655+00
MATCHLINE STA. 660+00
T.C.E.
EXIST. R/W
EVERSTREAM
CONST. ℄ ROUTE 61/67
(WATER PER MAP)
(GAS PER
IRRIGATION VALVE
P RISER
UNKNOWN
STORM
SAN
W
UT
UE
OE
G
S

33
29K322217
4530 LEMAY FERRY RD
NF
NO 10 LLC
DB 24616 PG 1315
622 SF T.C.E.
129000 SF ORIGINAL
129000 SF REMAINING

STA 657+39.95
OFF 43.54' RT.
N12°10'16"W
L = 10.00'
STA 657+39.97
OFF 53.54' RT.
L = 62.46'
R = 1352.87'
L = 62.00'
R = 1342.87'
STA 657+99.94
OFF 53.42' RT.
S14°48'59"E
L = 10.00'
STA 657+99.92
OFF 43.42' RT.

30K640618
4512 LEMAY FERRY RD
NF
SAMS REAL ESTATE BUSINESS TRUST
DB 12121 PG 2438
NO ACQUISITION

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

DISCLAIMER
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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	91

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

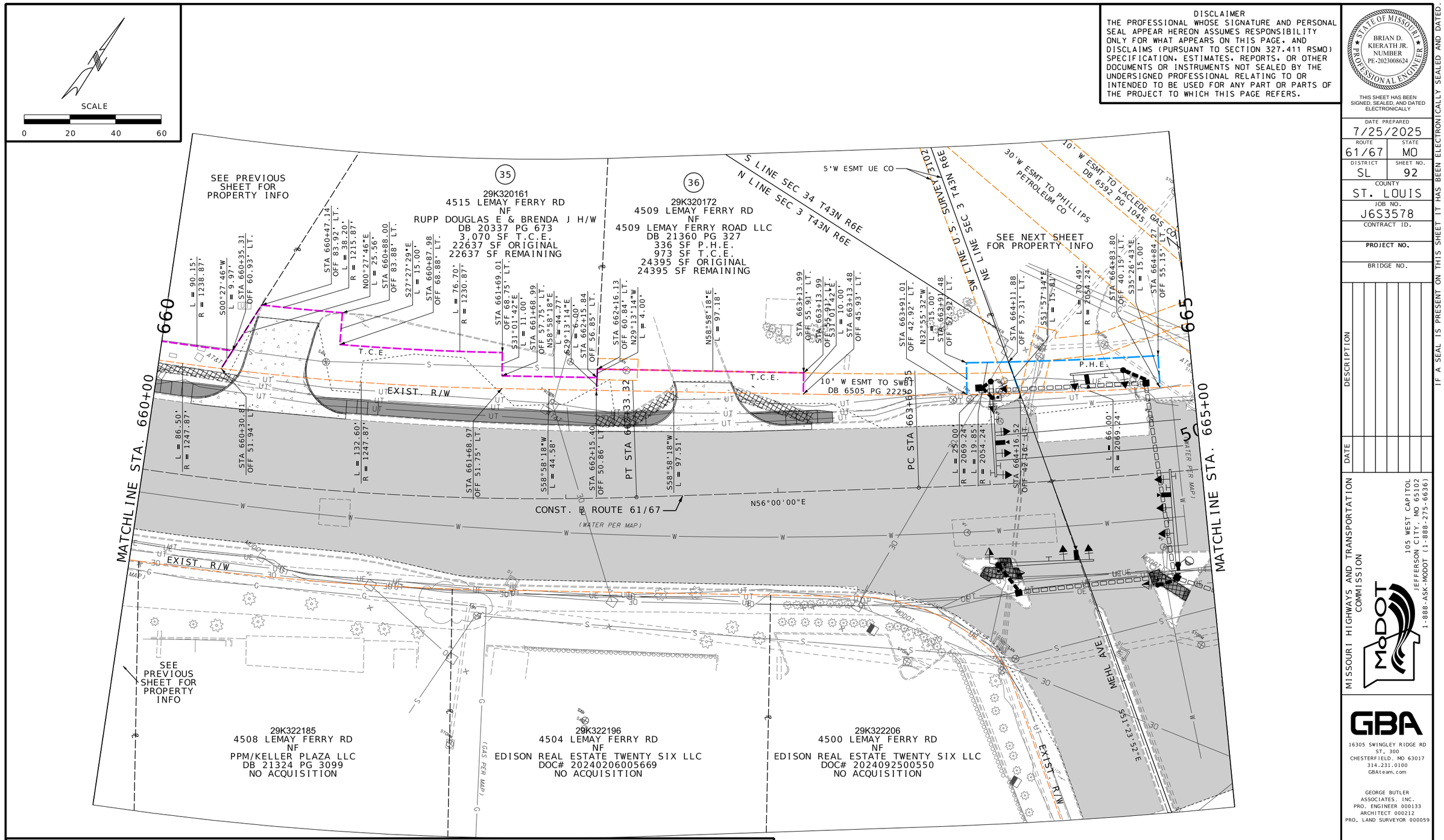
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 39 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD



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- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 92
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 40 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

REV.

SCALE

0 20 40 60

EXIST_61/67	
PI	665+06.14
PC	663+66.35
PT	666+45.52
Δ	7°34'59.9" (LT)
D	2°42'59.1"
L	279.17' (ARC)
T	139.79'
R	2,109.24'

37

29K322316, 29K340136
4411,4495 LEMAY FERRY RD
NF
SOUTHPOINT PLAZA LLC
DB 14024 PG 1056
1,207 SF P.H.E.
667880 SF ORIGINAL
667880 SF REMAINING

MATCHLINE STA. 665+00

MATCHLINE STA. 670+00

665

670

50

10'W ESMT TO MSD
PB 362 PG 251

SANITARY SEWER ESMT TO MSD
PB 362 PG 251

PERMANENT TRAFFIC
SIGNAL ESMT TO MODOT
DB 11778 PG 1573

SOUTH LAKEVIEW PLAZA/
SOUTHSIDE SHOPPING CENTER

EXIST. R/W

PT STA 666+45.52

CONST. ℄ ROUTE 61/67

STA 668+18.86
OFF 34.28' LT.
S48°27'46"W
L = 6.00'
STA 668+24.86
OFF 34.27' LT.

N41°32'14"W
L = 15.00'
STA 668+39.88
OFF 49.28' LT.
N48°27'46"E
L = 6.00'
STA 668+24.88
OFF 49.27' LT.

S41°33'14"E
L = 18.00'
N48°27'46"E
L = 11.32'

S41°35'00"E

S48°27'46"W
L = 1.11'
STA 668+25.97
OFF 34.27' LT.

S07°17'25"E
L = 18.15'
STA 668+36.20
OFF 49.27' LT.

N48°25'00"E

VARYING WIDTH SIDEWALK,
PUBLIC UTILITIES & SEWER
EASEMENT PB 199 PG 22

39

29J110381
4498 LEMAY FERRY RD
NF
GREEN THOMAS R JR, ETAL TRUSTEES
DB 8166 PG 560
1,326 SF T.C.E.
249801 SF ORIGINAL
249801 SF REMAINING

15'W UNION ELECTRIC ESMT

10'W PERPETUAL DRAINAGE ESMT

10'W EASEMENT

60'W PHILLIPS PETROLEUM CO ESMT

10'W ESMT

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	93

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

REV.

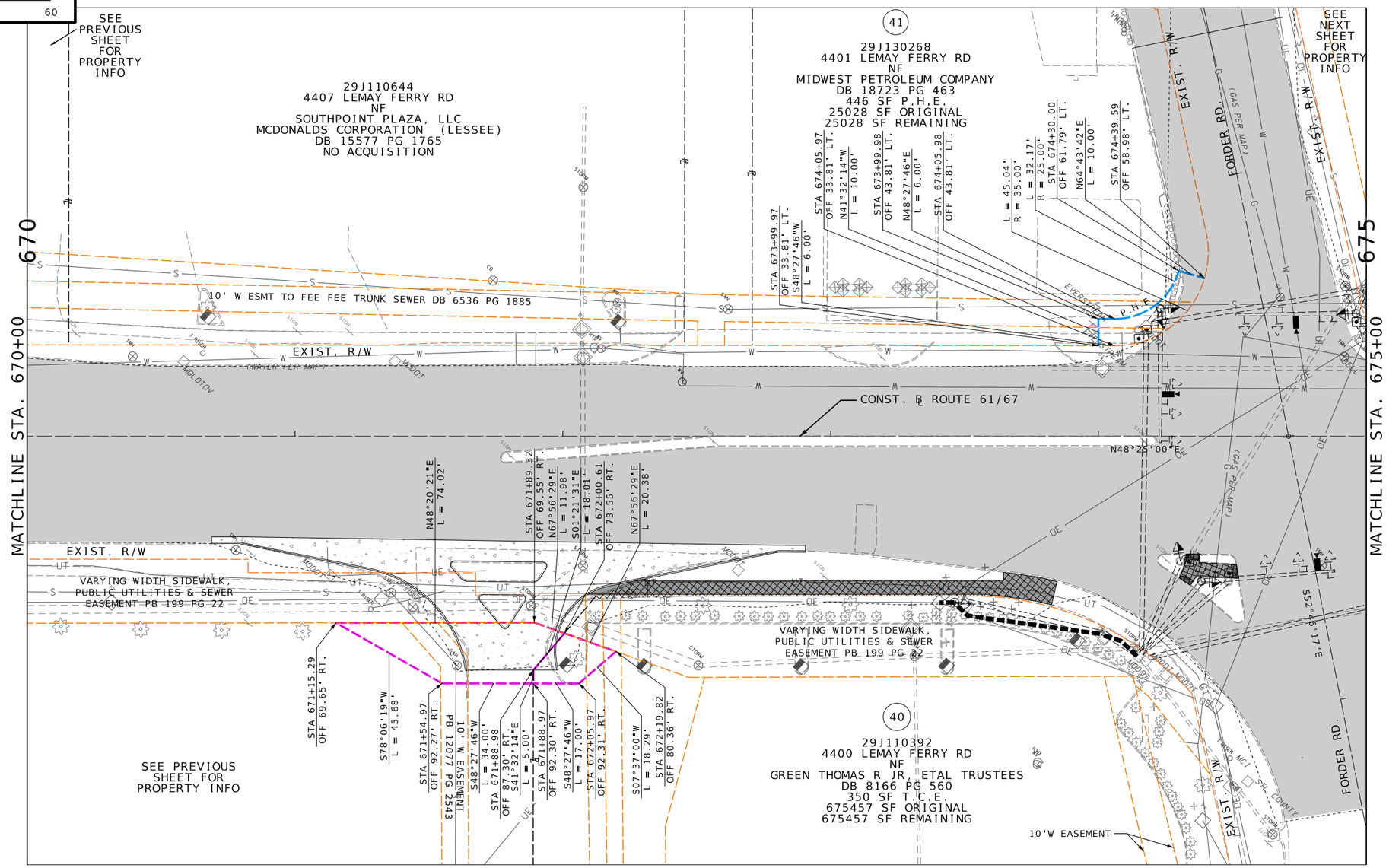
SHEET 41 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE
0 20 40 60

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- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 42 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	94

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

REV.	DESCRIPTION	DATE

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

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

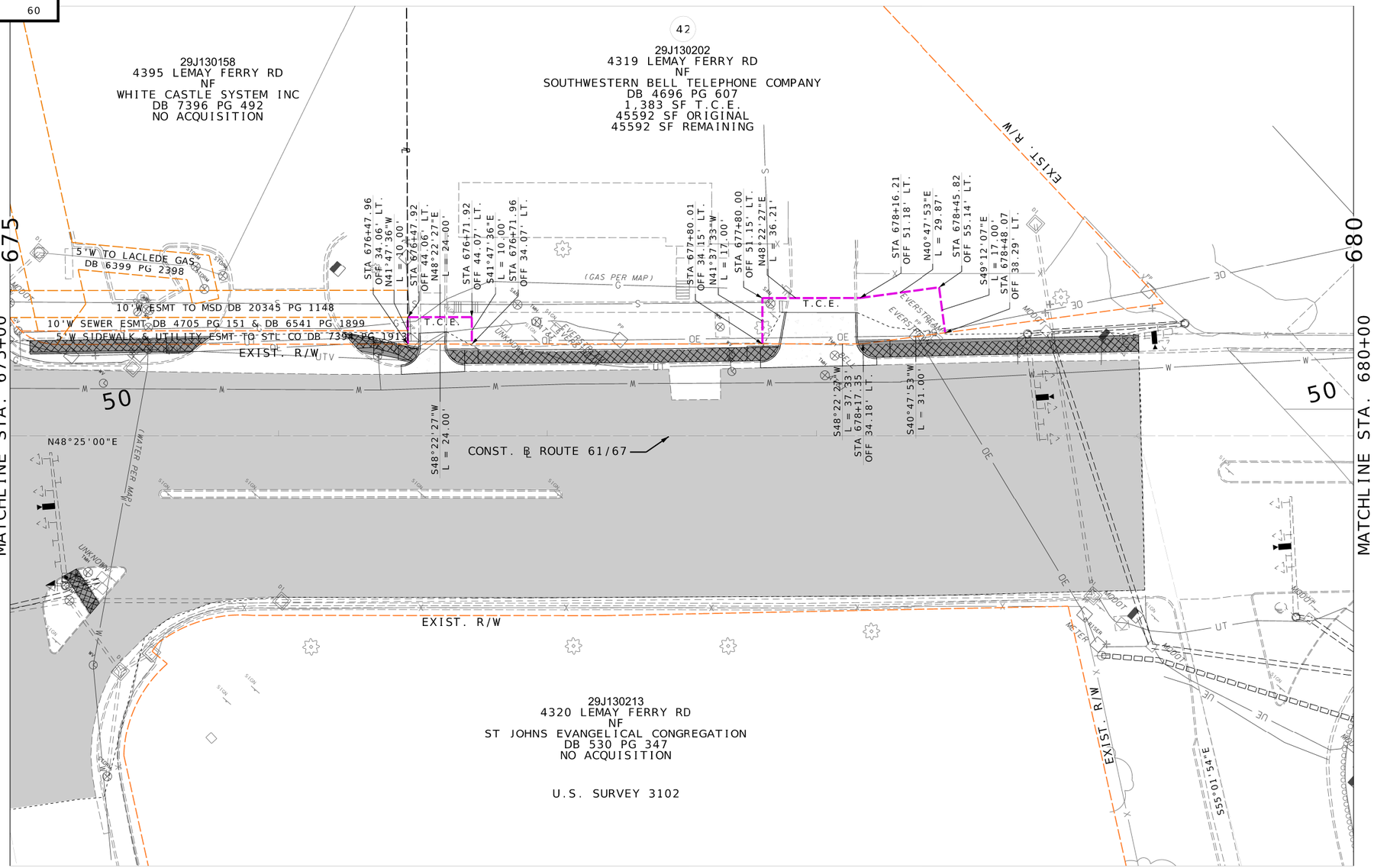
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

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SCALE

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- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 43 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	95

COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

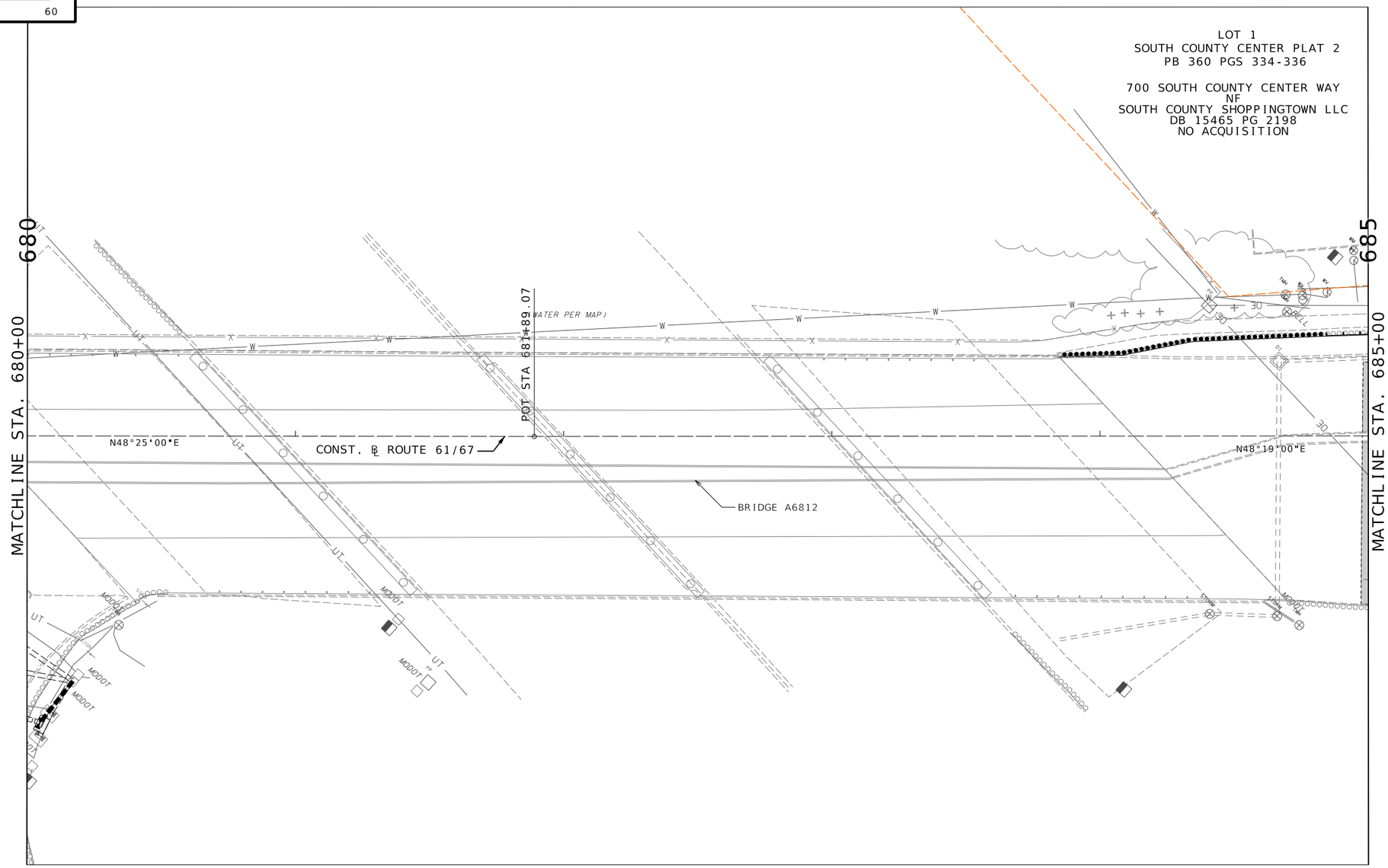
25MSD-00224; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

c:\bms\gba-pw-01\brian kierath\dms13764\095_RW_43_J6S3578_i20.dgn 8:30:49 AM 7/25/2025

SCALE

0 20 40 60

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- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 44 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR. NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	96

COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

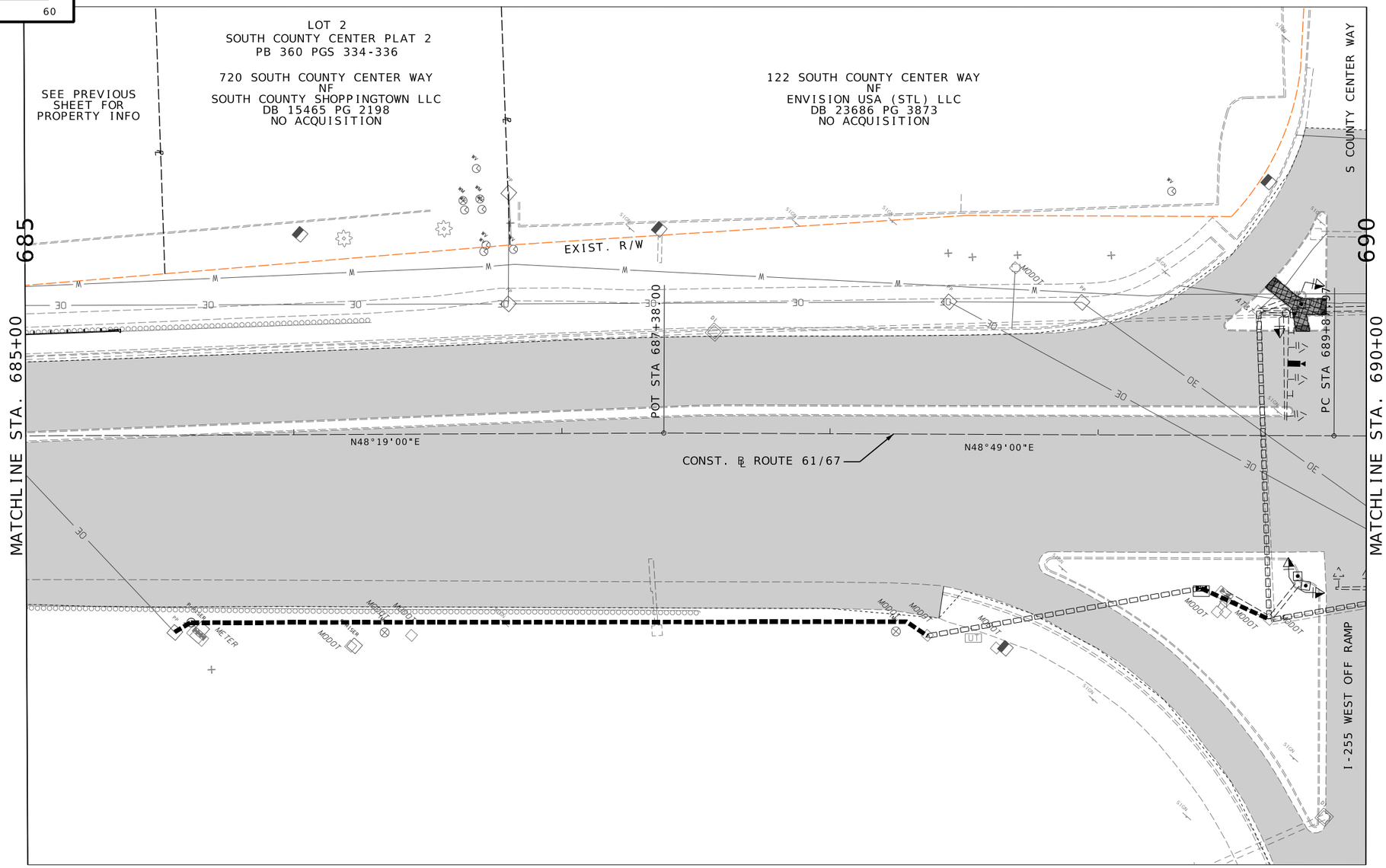
BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

REV.

SCALE

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- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 45 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	97

COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

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SCALE
0 20 40 60

EXIST_61/67

PI	691+82.44
PC	689+87.97
PT	693+76.53
Δ	6°13'0.1" (LT)
D	1°35'59.8"
L	388.56' (ARC)
T	194.47'
R	3,581.10'

29J420734
4125 LEMAY FERRY RD
NF
CBL SOUTH COUNTY CENTER OP PROPCO II LLC
DB 25196 PG 348
NO ACQUISITION

SEE NEXT SHEET FOR PROPERTY INFO

S COUNTY CENTER WAY
MATCHLINE STA. 690+00
690
695
MATCHLINE STA. 695+00
S40°33'37"E
N42°36'00"E
EXIST. R/W
CONST. ℄ ROUTE 61/67
50
PT STA 693+76.53
I-255 WEST OFF RAMP
EXIST. R/W
T.C.E.
(GAS PER MAP)
N40°10'12"E
L = 92.05'
STA 693+61.80
OFF 49.25' RT.
N48°00'34"E
L = 88.66'
S52°47'19"E
L = 15.27'
STA 694+49.86
OFF 57.58' RT.
N47°55'56"E
L = 3.67'
STA 694+53.97
OFF 57.96' RT.
N47°42'02"W
L = 2.01'
STA 694+53.98
OFF 59.97' RT.
S48°00'28"W
L = 104.47'
N48°00'28"E
L = 104.57'
STA 692+71.22
OFF 54.70' RT.
N52°47'02"W
L = 5.01'
STA 692+71.83
OFF 59.66' RT.
S40°10'12"W
L = 83.91'
STA 693+54.27
OFF 54.62' RT.
N49°49'48"W
L = 3.00'
STA 693+54.42
OFF 57.62' RT.
S48°00'34"W
L = 67.24'
STA 694+21.00
OFF 63.89' RT.
N41°59'26"W
L = 6.00'
STA 694+20.43
OFF 69.86' RT.
S48°00'34"W
L = 31.00'
STA 694+50.34
OFF 62.65' RT.
N52°47'19"W
L = 3.04'
STA 694+50.63
OFF 65.68' RT.
STA 694+51.30
OFF 72.78' RT.
STA 694+53.99
OFF 62.99' RT.
S48°00'28"W
L = 34.54'
STA 694+85.01
OFF 68.94' RT.
N41°59'32"W
L = 17.00'
STA 694+83.41
OFF 85.86' RT.
S48°00'28"W
L = 41.50'
29J140146
4120 LEMAY FERRY RD
NF
DART ASSOCIATES LLC
DB 10278 PG 350
NO ACQUISITION
4150 LEMAY FERRY RD
NF
DART ASSOCIATES LLC
DB 22117 PG 1081
43
29J140135
4100 LEMAY FERRY RD
NF
FEY FUNERAL HOME INC
DB 7265 PG 37
DB 7648 PG 2240
1,470 SF T.C.E.
79796 SF ORIGINAL
79796 SF REMAINING
SEE NEXT SHEET FOR PROPERTY INFO

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
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- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 46 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 98
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE
REV.

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

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314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

25MSD-00224; BASEMAPS 29J, 29K, 30K, 31K, 32K, 32L, 33L

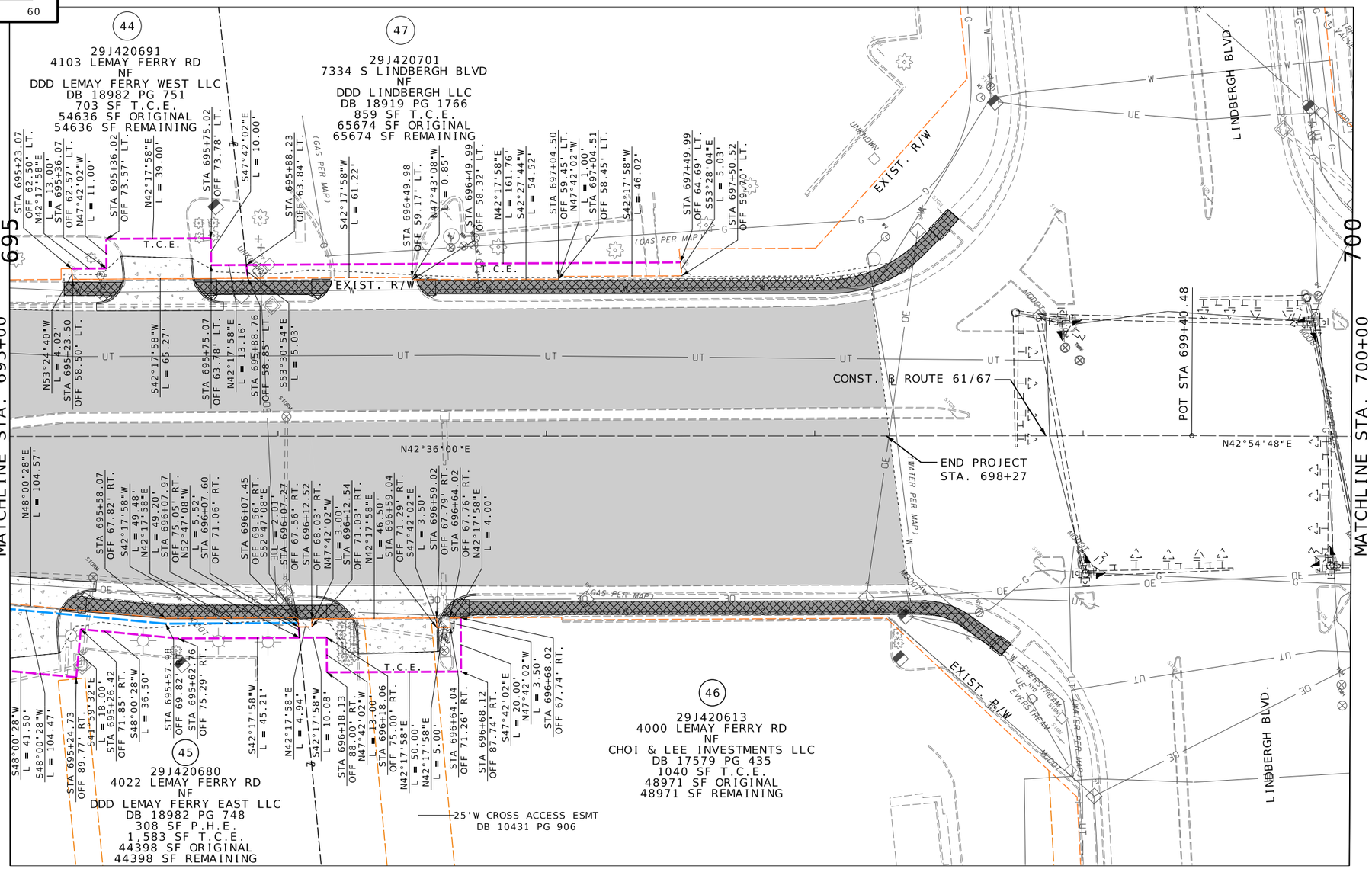
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SCALE

0 20 40 60

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RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED EPOXY URETHANE PLOYMER OVERLAY
- CRACK SEALING
- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

SHEET 47 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	99

COUNTY: ST. LOUIS

JOB NO.: J6S3578

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
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BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SCALE

0 20 40 60

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7345 S LINDBERGH BLVD
NF
SHERMAN IRVING J TRUSTEE
DB 12493 PG 2225
NO ACQUISITION

U.S. SURVEY 3102

3973 LEMAY FERRY RD
NF
NATIONAL RETAIL PROPERTIES LP
DB 23308 PG 1813
NO ACQUISITION

3805 LEMAY FERRY RD
NF
LEMAY LAND CORPORATION
DB 4314 PG 520
NO ACQUISITION

700

705

MATCHLINE STA. 700+00

MATCHLINE STA. 705+00

EXIST. R/W

CONST. ℄ ROUTE 61/67

N42°54'48"E

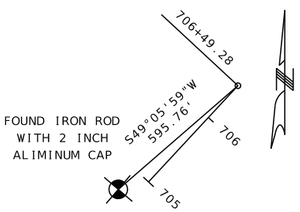
EXIST. R/W

EXIST. R/W

7409 S LINDBERGH BLVD
NF
RITZ CENTER LLC
DB 23774 PG 2339
NO ACQUISITION

LAND TIE #7

LAND CORNER TIE #7:
FOUND IRON ROD WITH 2"AL CAP "MoDOT" AS CALLED FOR ON THE LOCATION SUREY PLAN BY J.R. GRIMES CONSULTING ENGINEERS, INC DATED 3/14/06 RECORDED IN SRB 4 PGS 2 & 3
595.76 FEET SOUTHWEST OF BASELINE STATION 706+49.28
N:973319.0660 E:870106.0390



3924 LEMAY FERRY RD
NF
RITZ CENTER LLC
DB 23774 PG 2339
NO ACQUISITION

3900 LEMAY FERRY RD
NF
LEMAY FERRY REALTY LLC
DB 21778 PG 813
NO ACQUISITION

RIGHT OF WAY SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. R/W)
- NEW RIGHT-OF-WAY
- PERMANENT HIGHWAY EASEMENT (P.H.E.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
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- DRIVEWAYS
- FULL-DEPTH SHOULDER RECONSTRUCTION

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	100

COUNTY ST. LOUIS

JOB NO. J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 48 OF 48

RIGHT OF WAY SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

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ROUTE 61/67 PAVEMENT REHAB & ADA IMPROVEMENTS - ROW IMPACTS

PARCEL COUNT	PARCEL IDENTIFIER	PARCEL ADDRESS	OWNER NAME	NEW RIGHT OF WAY (SF)	PERMANENT HIGHWAY EASEMENT (SF)	TEMPORARY CONSTRUCTION EASEMENT (SF)
1	32L320131	600 KASSEBAUM LN	GREAT RIVERS GREENWAY DISTRICT	-	-	2245
2	32K130591	6285 & 6257 LEMAY FERRY RD	JJS REAL ESTATE LLC	-	-	9105
4	32K410154	6241 LEMAY FERRY RD	IAM AEROSPACE LCC	-	1797	5642
5	32K130454	6256 LEMAY FERRY RD	6256 LEMAY FERRY LLC	VOID		
6	32K130409	6244 LEMAY FERRY RD	TKB TECHNOLOGIES LLC	VOID		
7	32K130472	6240 LEMAY FERRY RD	SACK BROTHERS CONTRACTING A MO CORP	-	311	1135
9	32K410143	5496 BAUMGARTNER RD	SOUTHWOODS CENTER LLC	-	-	496
10	32K410165	6197 LEMAY FERRY RD	DENNING MARY E TRUST ETAL	-	-	1088
11	32K410033	6129 LEMAY FERRY RD	WIETHOP MICHAEL C REV TRUST	-	1454	2079
12	32K410132	4115 MERAMEC BOTTOM RD	THE JUNIOR COLLEGE DISTRICT OF ST. LOUIS	-	2463	1659
13	32K420065	6100 LEMAY FERRY RD	BLUMEYER FOUNDATION	-	-	612
14	32K440030	6062 LEMAY FERRY RD	ST LOUIS AREA MAPS INC	-	-	857
15	31K440073	5329 LEMAY FERRY RD	LEMAI PARTNERSHIP LLC	251	-	-
16	30K210848	5255 LEMAY FERRY RD	KUTIS FUNERAL HOME INC	-	-	400
17	31K531120	5254 LEMAY FERRY RD	CARMAN LLC	-	-	57
18	31K531395	5226 LEMAY FERRY RD	KIMBERLY APARTMENTS LLC	-	-	284
19	30K210013	5204 LEMAY FERRY RD	5204 LEMAY FERRY LLC	-	-	1790
20	30K210747	5119 LEMAY FERRY RD	BJC HEALTH SYSTEM	-	-	1133
21	30K210581	5196 LEMAY FERRY RD	AVANDY PROPERTIES LLC	-	477	1824
22	30K210701	4004 BUTLER HILL RD	BUTLER HILL BACELINE LLC	-	732	623
23	30K210802	5050 LEMAY FERRY RD	MENLO REALTY INCOME PROPERTIES 27 LLC	-	1518	202
24	30K210251/30K210738	5023/5035 LEMAY FERRY RD	QUIKTRIP CORP	VOID		
26	30K230217	4920 CLAYRIDGE DR	VINEYARDS APARTMENTS LLC	-	-	119
27	30K230208	4909 CLAYRIDGE DR	VINEYARDS APARTMENTS LLC	-	-	59
28	30K520424	4201 SUMMIT KNOLL DR	LEMAY FERRY JOINT VENTURE	-	152	-
29	30K540361	4655 LEMAY FERRY RD	FENIX REALTY COMPANY	-	-	381
30	30K640700	4540 LEMAY FERRY RD	VICTORY CHURCH	-	1063	-
31	29K310580	4545 LEMAY FERRY RD	VANTAGE CREDIT UNION	-	-	288
32	29K322228	4533 LEMAY FERRY RD	MHC AE LLC	-	-	2805
33	29K322217	4530 LEMAY FERRY RD	NO 10 LLC	-	-	622
34	29K322251	4519 ALPS DR	SV SWISS CHALET MANAGER LLC	-	-	2613
35	29K320161	4515 LEMAY FERRY RD	RUPP DOUGLAS E & BRENDA J H/W	-	-	3070
36	29K320172	4509 LEMAY FERRY RD	4509 LEMAY FERRY ROAD LLC	-	336	973
37	29K322316/29K340136	4495/4411 LEMAY FERRY RD	SOUTHPOINT PLAZA LLC	-	1207	-
39	29J110381	4498 LEMAY FERRY RD	GREEN THOMAS R JR ETAL TRUSTEES	-	-	1326
40	29J110392	4400 LEMAY FERRY RD	GREEN THOMAS R JR ETAL TRUSTEES	-	-	350
41	29J130268	4401 LEMAY FERRY RD	MIDWEST PETROLEUM COMPANY	-	446	-
42	29J130202	4319 LEMAY FERRY RD	SOUTHWESTERN BELL TELEPHONE COMPANY	-	-	1383
43	29J140135	4100 LEMAY FERRY RD	FEY FUNERAL HOME INC	-	-	1470
44	29J420691	4103 LEMAY FERRY RD	DDD LEMAY FERRY WEST LLC	-	-	703
45	29J420680	4022 LEMAY FERRY RD	DDD LEMAY FERRY EAST LLC	-	308	1583
46	29J420613	4000 LEMAY FERRY RD	CHOI & LEE INVESTMENTS LLC	-	-	1040
47	29J420701	7334 S LINDBERGH BLVD	DDD LINDBERGH LLC	-	-	859

BRIAN D. KIERATH JR. NUMBER PE-2023008624 — STATE OF MISSOURI — PROFESSIONAL ENGINEER

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DATE PREPARED 7/25/2025

ROUTE 61/67 | STATE MO

DISTRICT SL | SHEET NO. 101

COUNTY ST. LOUIS

JOB NO. J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE

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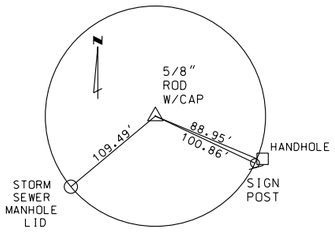
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

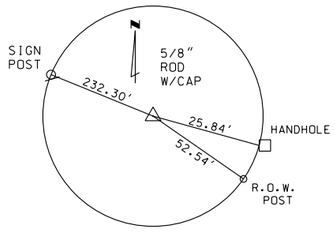
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.



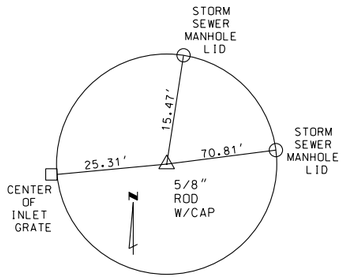
CONTROL TIE

CONTROL POINT #100
N 972586.935
E 870746.670
ELEV 609.710
5/8" x 24' ROD W/CAP
SET 5/8" I.B. W/2" ALUMINUM CAP



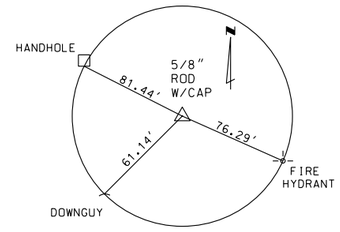
CONTROL TIE

CONTROL POINT #101
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E 869145.865
ELEV 615.659
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SET 5/8" I.B. W/2" ALUMINUM CAP



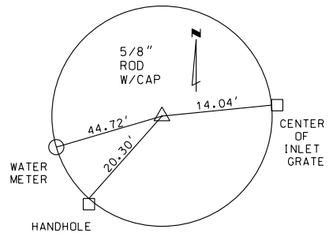
CONTROL TIE

CONTROL POINT #102
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E 862360.424
ELEV 555.164
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SET 5/8" I.B. W/2" ALUMINUM CAP



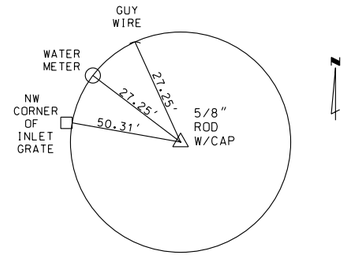
CONTROL TIE

CONTROL POINT #103
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E 862870.859
ELEV 441.246
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SET 5/8" I.B. W/2" ALUMINUM CAP



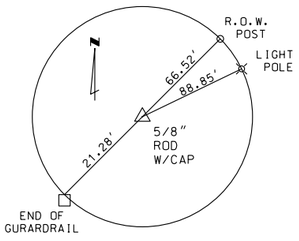
CONTROL TIE

CONTROL POINT #104
N 952924.726
E 858468.427
ELEV 485.529
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SET 5/8" I.B. W/2" ALUMINUM CAP



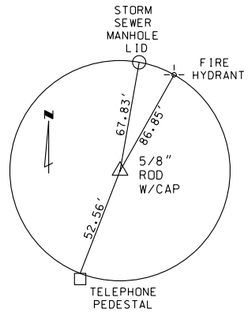
CONTROL TIE

CONTROL POINT #110
N 953126.607
E 859000.383
ELEV 488.174
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SET 5/8" I.B. W/2" ALUMINUM CAP



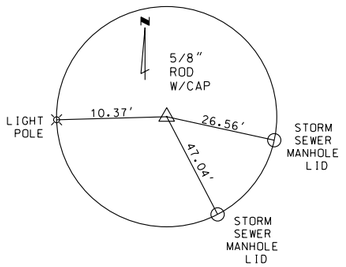
CONTROL TIE

CONTROL POINT #111
N 954328.315
E 860161.846
ELEV 422.277
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SET 5/8" I.B. W/2" ALUMINUM CAP



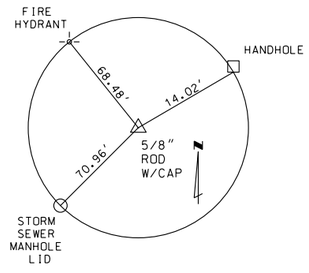
CONTROL TIE

CONTROL POINT #112
N 957651.356
E 860934.961
ELEV 441.663
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SET 5/8" I.B. W/2" ALUMINUM CAP



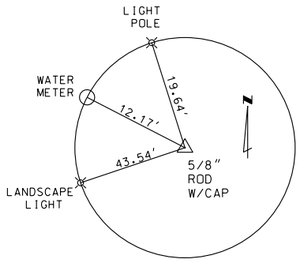
CONTROL TIE

CONTROL POINT #113
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E 861519.228
ELEV 431.012
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SET 5/8" I.B. W/2" ALUMINUM CAP



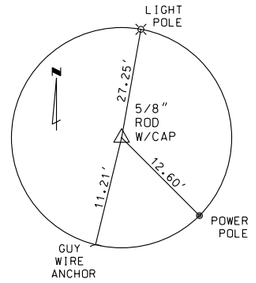
CONTROL TIE

CONTROL POINT #114
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E 862099.044
ELEV 583.663
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SET 5/8" I.B. W/2" ALUMINUM CAP



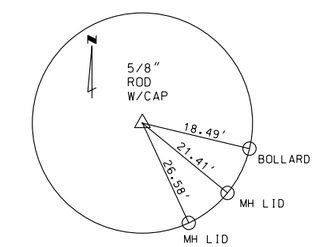
CONTROL TIE

CONTROL POINT #115
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E 863039.068
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5/8" x 24' ROD W/CAP
SET 5/8" I.B. W/2" ALUMINUM CAP



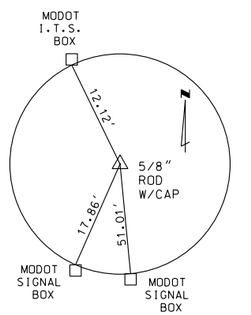
CONTROL TIE

CONTROL POINT #116
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E 864176.673
ELEV 512.198
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SET 5/8" I.B. W/2" ALUMINUM CAP



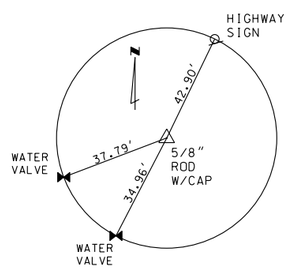
CONTROL TIE

CONTROL POINT #117
N 969206.890
E 864866.617
ELEV 453.512
5/8" x 24' ROD W/CAP
SET 5/8" I.B. W/2" ALUMINUM CAP



CONTROL TIE

CONTROL POINT #118
N 971808.390
E 868753.332
ELEV 602.555
5/8" x 24' ROD W/CAP
SET 5/8" I.B. W/2" ALUMINUM CAP



CONTROL TIE

CONTROL POINT #119
N 973060.174
E 869873.836
ELEV 621.890
5/8" x 24' ROD W/CAP
SET 5/8" I.B. W/2" ALUMINUM CAP

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REFERENCE POINT SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	102

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

REV.	DESCRIPTION	DATE

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GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

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

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE
HORIZONTAL DATUM	NAD 83
VERTICAL DATUM	NAVD 88
GEOID MODEL	GEOID 12B
ELEVATIONS DETERMINED BY	MODOT VRS
PROJECT PROJECTION FACTOR	1.0000878

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	STATE PLAN MO EAST FIPS 2401
CONTROL STATION	MOSI
DESIGNATION	SEILER TREE COURT CORS ARP
CORS_ID	MOSI
PID	DL3650
LATITUDE	38°33'44.23066"
LONGITUDE	90°27'40.90251"
NORTHING (M)	302843.569
EASTING (M)	253367.387
ZONE	2401 (MO-EAST)
PROJECT AVERAGE GRID FACTOR	0.99991221

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

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

EXAMPLE: CONTROL POINT #100
N 972586.935 X 0.99991221 = N 972501.551
E 870746.670 X 0.99991221 = E 870670.227

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING

SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND) NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)	DESCRIPTION	GPK POINT ID
PROJECT CONTROL POINTS								
		RTE 61/67		972586.935	870746.670	609.710	5/8" x 24' ROD W/CAP	100
		RTE 61/67		973831.272	869145.865	615.659	5/8" x 24' ROD W/CAP	101
		RTE 61/67		965730.190	862360.424	555.164	5/8" x 24' ROD W/CAP	102
		RTE 61/67		957408.264	862870.859	441.246	5/8" x 24' ROD W/CAP	103
		RTE 61/67		952924.726	858468.427	485.529	5/8" x 24' ROD W/CAP	104
		RTE 61/67		953126.607	859000.383	488.174	5/8" x 24' ROD W/CAP	110
		RTE 61/67		954328.315	860161.846	422.277	5/8" x 24' ROD W/CAP	111
		RTE 61/67		957651.356	860934.961	441.663	5/8" x 24' ROD W/CAP	112
		RTE 61/67		958948.443	861519.228	431.012	5/8" x 24' ROD W/CAP	113
		RTE 61/67		964125.173	862099.044	583.663	5/8" x 24' ROD W/CAP	114
		RTE 61/67		965012.463	863039.068	583.974	5/8" x 24' ROD W/CAP	115
		RTE 61/67		967986.075	864176.673	512.198	5/8" x 24' ROD W/CAP	116
		RTE 61/67		969206.890	864866.617	453.512	5/8" x 24' ROD W/CAP	117
		RTE 61/67		971808.390	868753.332	602.555	5/8" x 24' ROD W/CAP	118
		RTE 61/67		973060.174	869873.836	621.890	5/8" x 24' ROD W/CAP	119

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 103
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

REV.

SHEET 1 OF 10

COORDINATE POINT SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 100 200 300

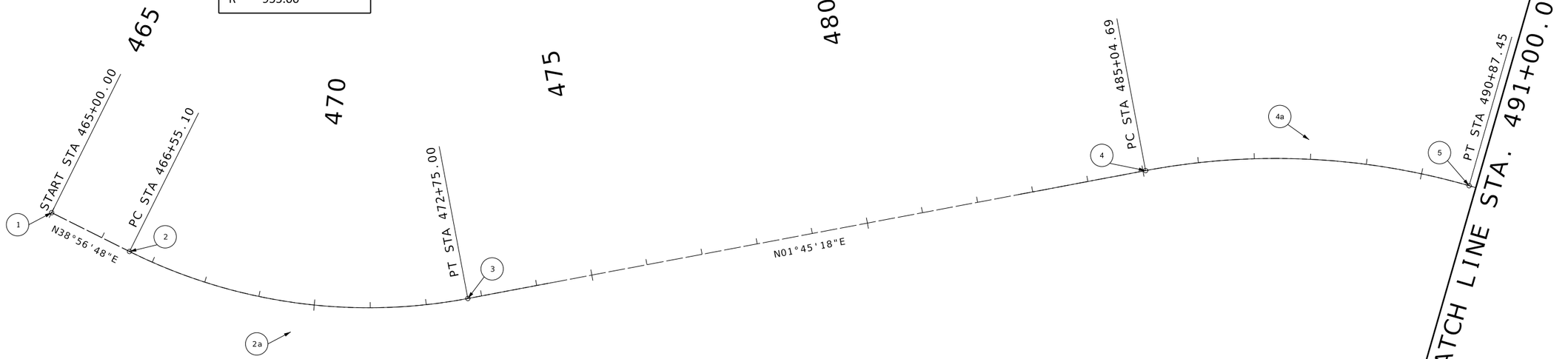
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COORDINATE POINTS

STATION	LOCATION	OFFSET (FEET)	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
465+00.00	US RT 61/67	CL	953973.897	859869.279	POT	1
465+55.10	US RT 61/67	CL	954094.521	859966.772	PC	2
469+76.41	US RT 61/67	52.61' RT.	954344.418	860168.750	PI	2a
-	US RT 61/67	955.00' LT.	954694.831	859224.039	CC of Curve	2b
472+75.00	US RT 61/67	CL	954665.584	860178.590	PT	3
485+04.69	US RT 61/67	CL	955894.691	860216.251	PC	4
488+01.46	US RT 61/67	34.75' LT.	860225.34	956191.326	PI	4a
	US RT 61/67	1250.00' RT.	955856.409	861465.665	CC of Curve	4b
490+87.45	US RT 61/67	CL	956452.218	860366.796	PT	5

EXIST 61/67

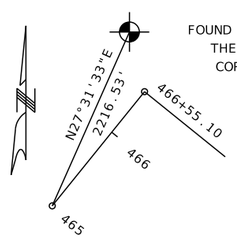
PI	469+76.41
PC	466+55.10
PT	472+75.00
△	37°11'30.2" (LT)
D	5°59'58.4"
L	619.91' (ARC)
T	321.32'
R	955.00'



EXIST 61/67

PI	488+01.46
PC	485+04.69
PT	490+87.45
△	26°42'42.0" (RT)
D	4°35'1.2"
L	582.76' (ARC)
T	296.77'
R	1,250.00'

LAND CORNER TIE #1:
FOUND OLD STONE AT THE NE CORNER OF LOT 1 OF
KASSEBAUM SUBDIVISION ON THE MERAMEC
PB 20 PG 28
2,216.53 FEET NORTHEAST OF BASELINE STATION 465+00
PROJECT COORDINATES
N:955939.5260 E:860893.6460



FOUND OLD STONE AT
THE NORTHEAST
CORNER LOT 1

SHEET 2 OF 10

COORDINATE POINT SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 104
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

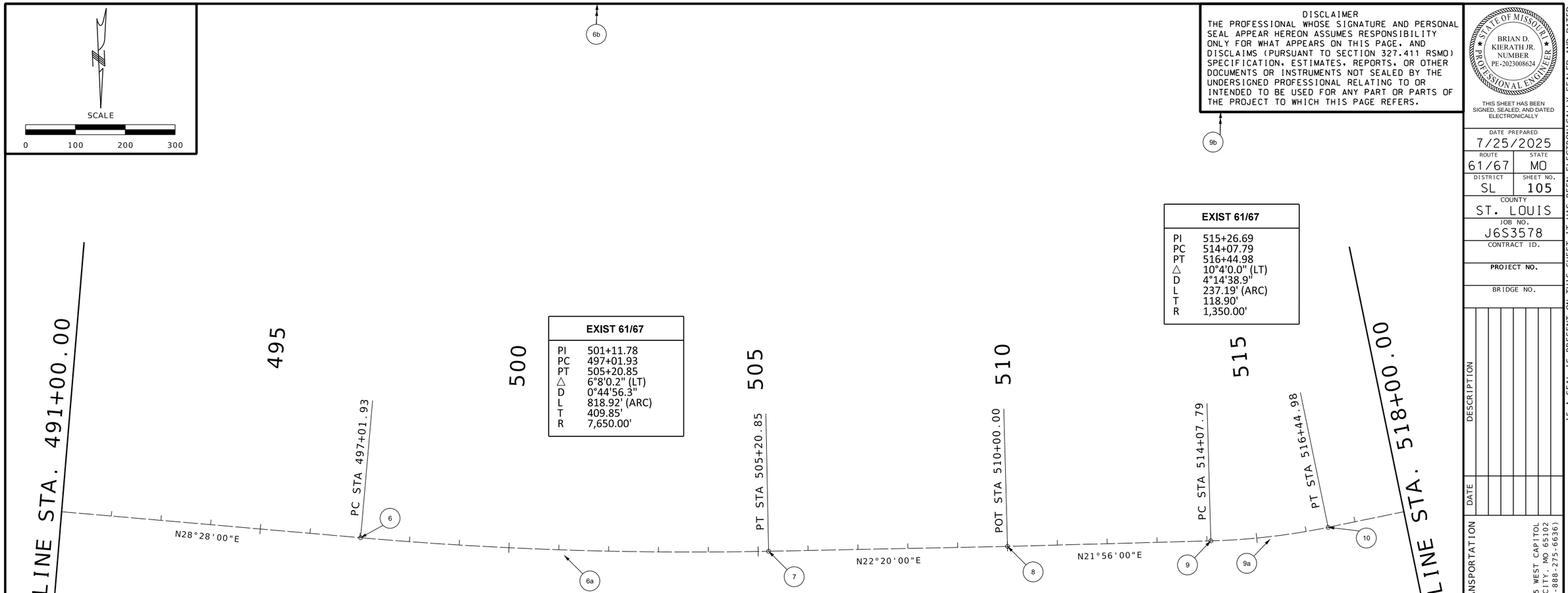
DESCRIPTION | DATE

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JEFFERSON CITY, MO 65102
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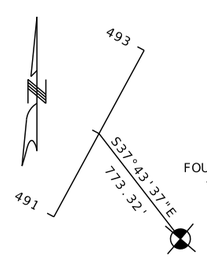
BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624



EXIST 61/67	
PI	501+11.78
PC	497+01.93
PT	505+20.85
△	6°8'0.2" (LT)
D	0°44'56.3"
L	818.92' (ARC)
T	409.85'
R	7,650.00'

EXIST 61/67	
PI	515+26.69
PC	514+07.79
PT	516+44.98
△	10°4'0.0" (LT)
D	4°14'38.9"
L	237.19' (ARC)
T	118.90'
R	1,350.00'

LAND CORNER TIE #2:
FOUND OLD STONE AT THE NE CORNER OF LOT 1 OF
KASSEBAUM SUBDIVISION ON THE MERAMEC
PB 20 PG 28
773.32 FEET SOUTHEAST OF BASELINE STATION 492+00
PROJECT COORDINATES
N:955939.5260 E:860893.6460



FOUND OLD STONE AT
THE NORTHEAST
CORNER LOT 1

COORDINATE POINTS

STATION	LOCATION	OFFSET (FEET)	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
497+01.93	US RT 61/67	CL	956992.404	860659.686	PC	6
501+11.78	US RT 61/67	10.97' RT.	957352.701	860855.040	PI	6a
-	US RT 61/67	7650.00' LT.	960638.760	853934.615	CC of Curve	6b
505+20.85	US RT 61/67	CL	957731.803	861010.779	PT	7
510+00.00	US RT 61/67	CL	958175.010	861192.853	POT	8
514+07.79	US RT 61/67	CL	958553.284	861345.174	PC	9
515+26.69	US RT 61/67	5.23' RT.	958663.579	861389.587	PI	9a
-	US RT 61/67	1350.00' LT.	959057.546	860092.888	CC of Curve	9b
516+44.98	US RT 61/67	CL	958779.939	861414.037	PT	10

SHEET 3 OF 10

COORDINATE POINT SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

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DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	105

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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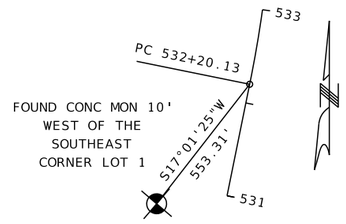
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

SCALE

0 100 200 300

LAND CORNER TIE #3:
FOUND CONCRETE MONUMENT 10' WEST OF THE
SE CORNER OF LOT 1 OF MAPLE TERRACE
PB 99 PG 60
553.31 FEET SOUTHWEST OF BASELINE STATION PC 532+20.13
PROJECT COORDINATES
N:959793.4240 E:861570.8090



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EXIST 61/67	
PI	535+90.08
PC	532+20.13
PT	539+42.30
△	30°39'0.0" (LT)
D	4°14'38.9"
L	722.17' (ARC)
T	369.95'
R	1,350.00'

COORDINATE POINTS						
STATION	LOCATION	OFFSET (FEET)	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
523+99.32	US RT 61/67	CL	959518.159	861569.156	POT	11
532+20.13	US RT 61/67	CL	960322.490	861732.799	PC	12
535+90.08	US RT 61/67	49.77' RT.	960685.014	861806.555	PI	12a
-	US RT 61/67	1350.00' LT.	960591.636	860409.900	CC of Curve	12b
539+42.30	US RT 61/67	CL	961034.494	861685.195	PT	13
543+08.12	US RT 61/67	CL	961380.070	861565.191	PC	14

SHEET 4 OF 10

COORDINATE POINT SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025
ROUTE: 61/67
STATE: MO
DISTRICT: SL
SHEET NO.: 106
COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

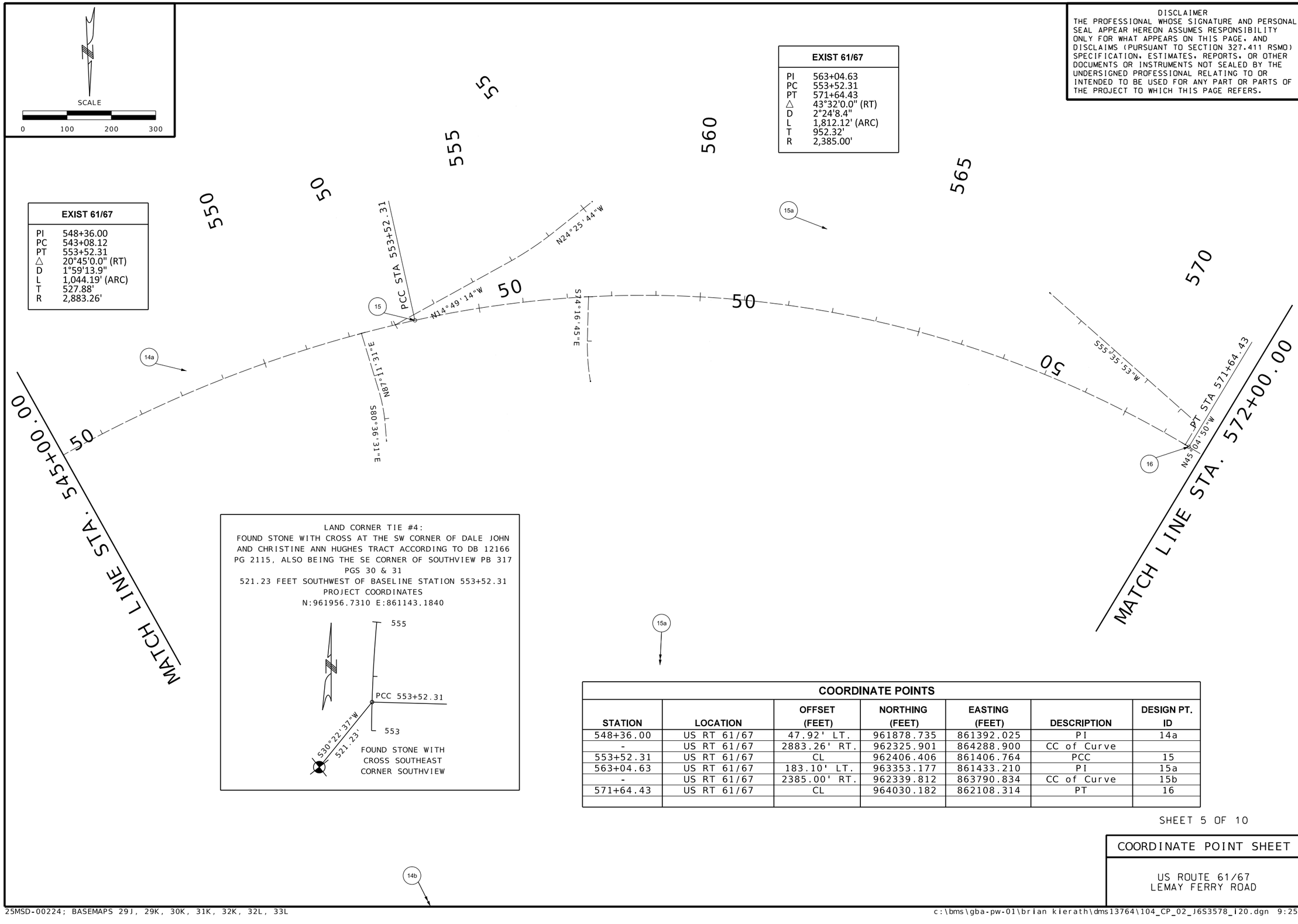
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CHESTERFIELD, MO 63017
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GEORGE BUTLER ASSOCIATES, INC.
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

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LAND CORNER TIE #4:
FOUND STONE WITH CROSS AT THE SW CORNER OF DALE JOHN AND CHRISTINE ANN HUGHES TRACT ACCORDING TO DB 12166 PG 2115, ALSO BEING THE SE CORNER OF SOUTHVIEW PB 317 PGS 30 & 31
521.23 FEET SOUTHWEST OF BASELINE STATION 553+52.31
PROJECT COORDINATES
N:961956.7310 E:861143.1840

15a

COORDINATE POINTS

STATION	LOCATION	OFFSET (FEET)	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
548+36.00	US RT 61/67	47.92' LT.	961878.735	861392.025	PI	14a
-	US RT 61/67	2883.26' RT.	962325.901	864288.900	CC of Curve	
553+52.31	US RT 61/67	CL	962406.406	861406.764	PCC	15
563+04.63	US RT 61/67	183.10' LT.	963353.177	861433.210	PI	15a
-	US RT 61/67	2385.00' RT.	962339.812	863790.834	CC of Curve	15b
571+64.43	US RT 61/67	CL	964030.182	862108.314	PT	16

14b

COORDINATE POINT SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

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BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI
PROFESSIONAL ENGINEER

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	107

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION	DATE

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

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CHESTERFIELD, MO 63017
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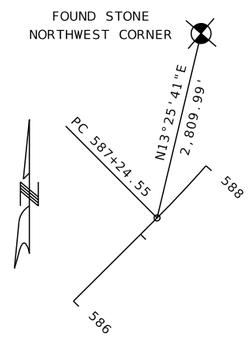
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 100 200 300

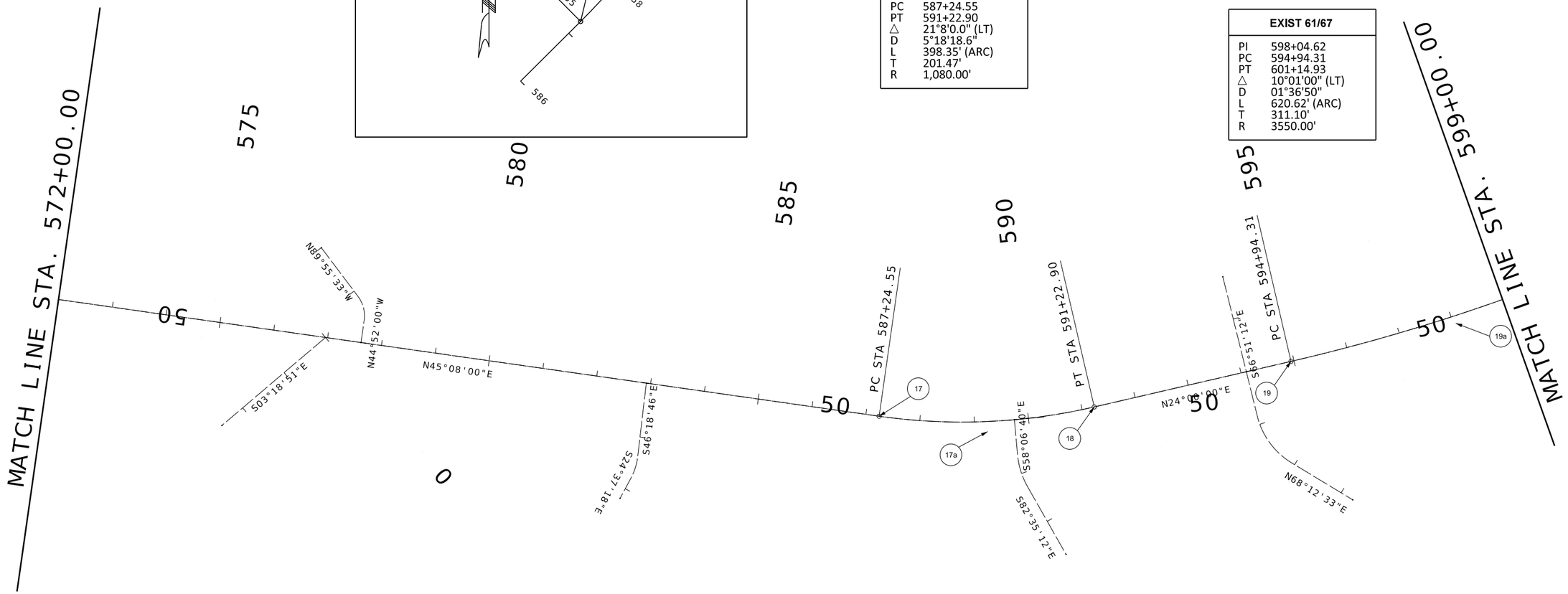
LAND CORNER TIE #5:
FOUND STONE AT THE NW CORNER OF CC LAND LLC TRACT AS CALLED ACCORDING TO
DB 21662 PG 2004
2,809.99 FEET NORTHEAST OF BASELINE STATION PC 587+24.55
PROJECT COORDINATES
N:967863.9490 E:863866.5980



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EXIST 61/67	
PI	589+26.02
PC	587+24.55
PT	591+22.90
△	21°8'0.0" (LT)
D	5°18'18.6"
L	398.35' (ARC)
T	201.47'
R	1,080.00'

EXIST 61/67	
PI	598+04.62
PC	594+94.31
PT	601+14.93
△	10°01'00" (LT)
D	01°36'50"
L	620.62' (ARC)
T	311.10'
R	3550.00'



COORDINATE POINTS						
STATION	LOCATION	OFFSET (FEET)	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
587+24.55	US RT 61/67	CL	965130.782	863214.048	PC	17
589+26.02	US RT 61/67	18.63' RT.	965272.908	863356.838	PI	17a
-	US RT 61/67	1080.00' LT.	965896.233	862452.152	CC of Curve	17b
591+22.90	US RT 61/67	CL	965456.957	863438.781	PT	18
594+94.31	US RT 61/67	CL	965796.253	863589.846	PC	19
598+04.62	US RT 61/67	13.61' RT.	966080.462	863716.384	PI	19a
-	US RT 61/67	3550.00' LT.	967221.974	860387.625	CC of Curve	19b

SHEET 6 OF 10

COORDINATE POINT SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 108
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
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ST. 300
CHESTERFIELD, MO 63017
314.231.0100
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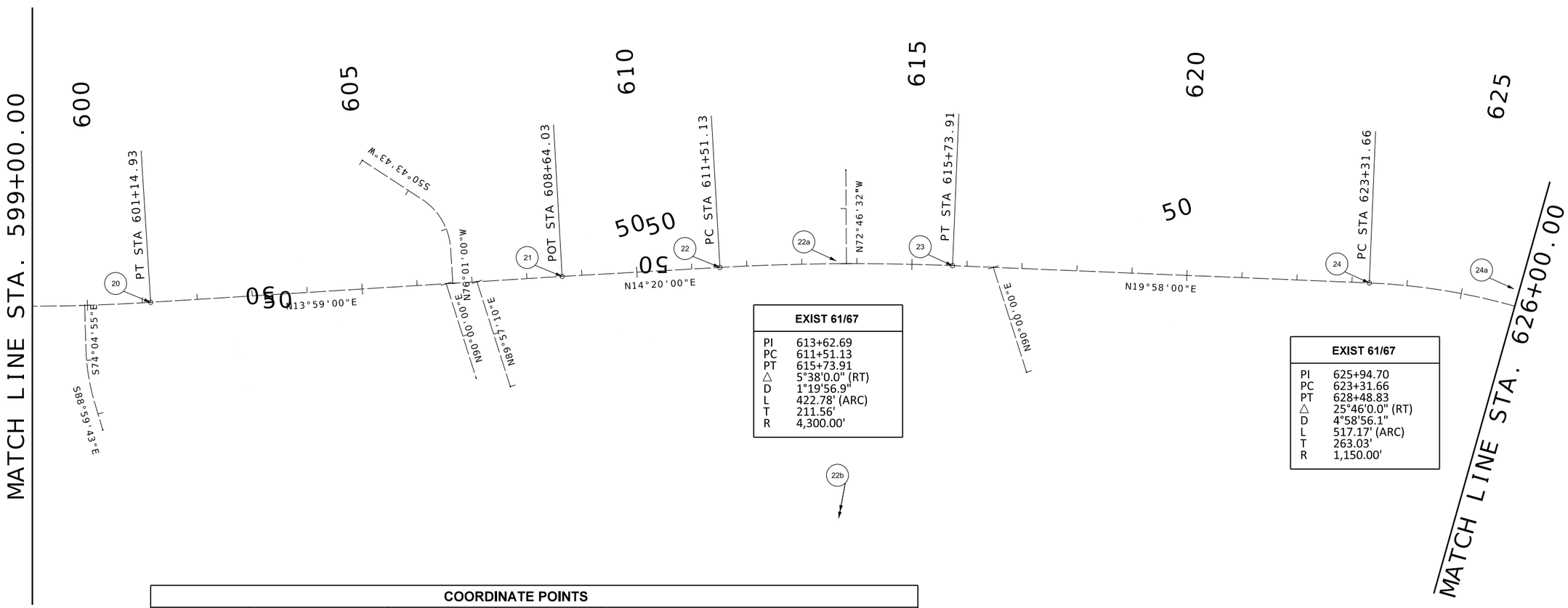
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

0 100 200 300

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EXIST 61/67	
PI	613+62.69
PC	611+51.13
PT	615+73.91
△	5°38'0.0" (RT)
D	1°19'56.9"
L	422.78' (ARC)
T	211.56'
R	4,300.00'

EXIST 61/67	
PI	625+94.70
PC	623+31.66
PT	628+48.83
△	25°46'0.0" (RT)
D	4°58'56.1"
L	517.17' (ARC)
T	263.03'
R	1,150.00'

COORDINATE POINTS

STATION	LOCATION	OFFSET (FEET)	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
601+14.93	US RT 61/67	CL	966382.347	863791.559	PT	20
608+64.03	US RT 61/67	CL	967109.243	863972.570	POT	21
611+51.13	US RT 61/67	CL	967387.406	864043.645	PC	22
613+62.69	US RT 61/67	5.20' LT.	967592.380	864096.019	PI	22a
-	US RT 61/67	4300.00' RT.	966322.886	868209.794	CC of Curve	22b
615+73.91	US RT 61/67	CL	967791.222	864168.261	PT	23
623+31.66	US RT 61/67	CL	968503.432	864427.015	PC	24
625+94.70	US RT 61/67	29.70' LT.	968750.655	864516.834	PI	24a
-	US RT 61/67	1150.00' RT.	968110.738	865507.890	CC of Curve	24b

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	109

COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

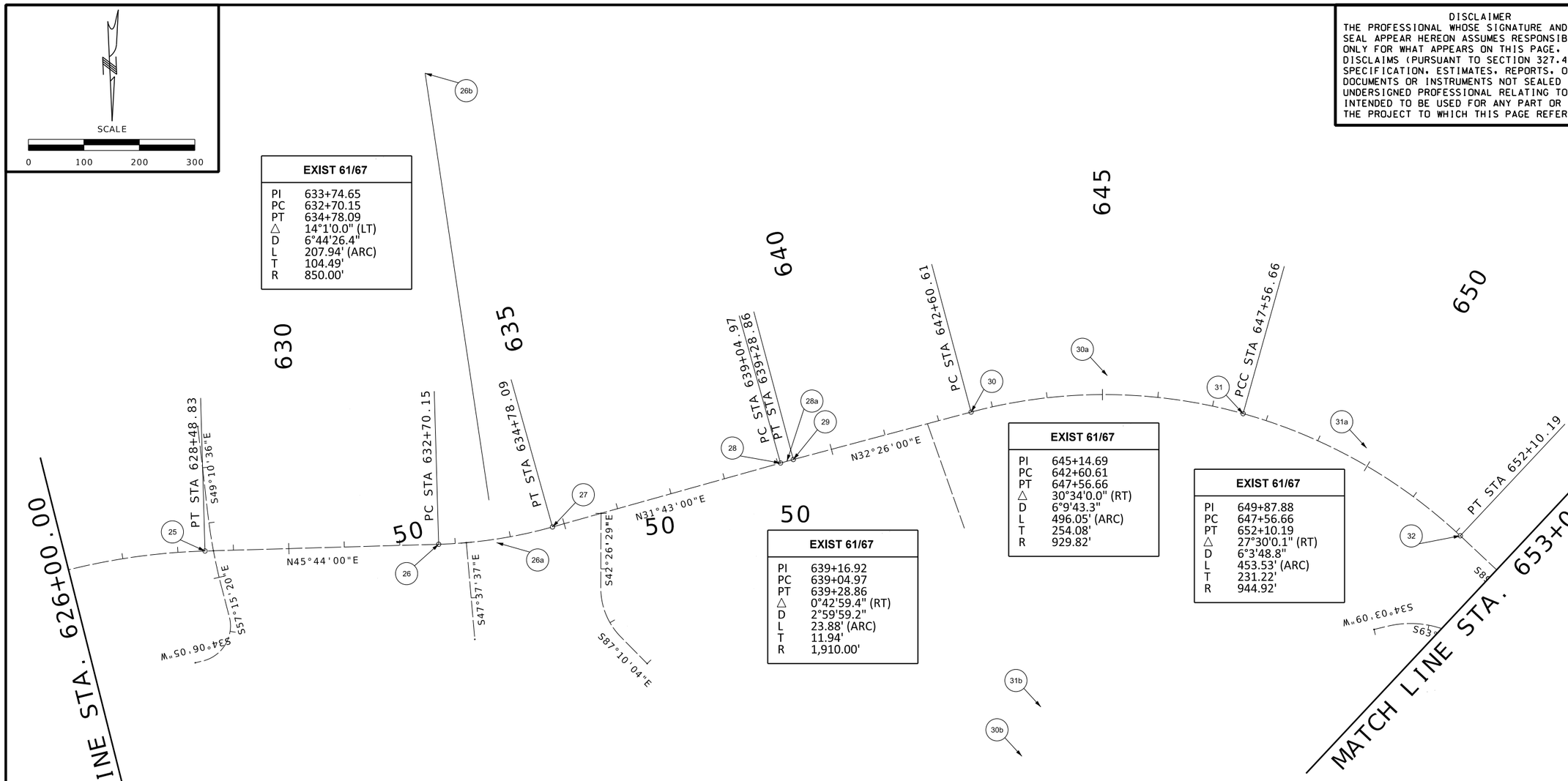
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 7 OF 10

COORDINATE POINT SHEET

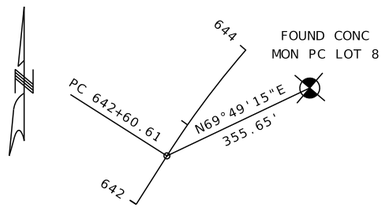
US ROUTE 61/67
LEMAY FERRY ROAD



COORDINATE POINTS

STATION	LOCATION	OFFSET (FEET)	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
628+48.83	US RT 61/67	CL	968934.252	864705.192	PT	25
632+70.12	US RT 61/67	CL	969228.332	865006.898	PC	26
633+74.12	US RT 61/67	6.40' RT.	969301.267	865081.724	PI	26a
-	US RT 61/67	850.00' LT.	969837.016	864413.599	CC of Curve	26b
634+78.09	US RT 61/67	CL	969390.155	865136.658	PT	27
639+04.97	US RT 61/67	CL	969753.283	865361.077	PC	28
639+16.92	US RT 61/67	.04' LT.	969763.448	865367.359	PI	28a
-	US RT 61/67	1910.00' RT.	968749.162	866985.836	CC of Curve	28b
639+28.86	US RT 61/67	CL	969773.525	865373.762	PT	29
642+60.61	US RT 61/67	CL	970053.531	865551.688	PC	30
645+14.69	US RT 61/67	34.09' LT.	970267.978	865687.955	PI	30a
-	US RT 61/67	929.82' RT.	969554.852	866336.471	CC of Curve	30b
647+56.66	US RT 61/67	CL	970383.328	865914.342	PCC	31
649+83.42	US RT 61/67	27.88' LT.	970488.300	866120.361	PI	31a
-	US RT 61/67	944.92' RT.	969541.398	866343.326	CC of Curve	31b
652+10.19	US RT 61/67	CL	970486.282	866351.572	PT	32

LAND CORNER TIE #6:
FOUND CONCRETE MONUMENT AT THE PC OF LOT 8 OF
PARTRIDGE FARMS ESTATE
PB 148 PG 59
355.65 FEET NORTHEAST OF BASELINE STATION PC 642+60.61
PROJECT COORDINATES
N:970176.2130 E:865885.5030



SHEET 8 OF 10

COORDINATE POINT SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	110

COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

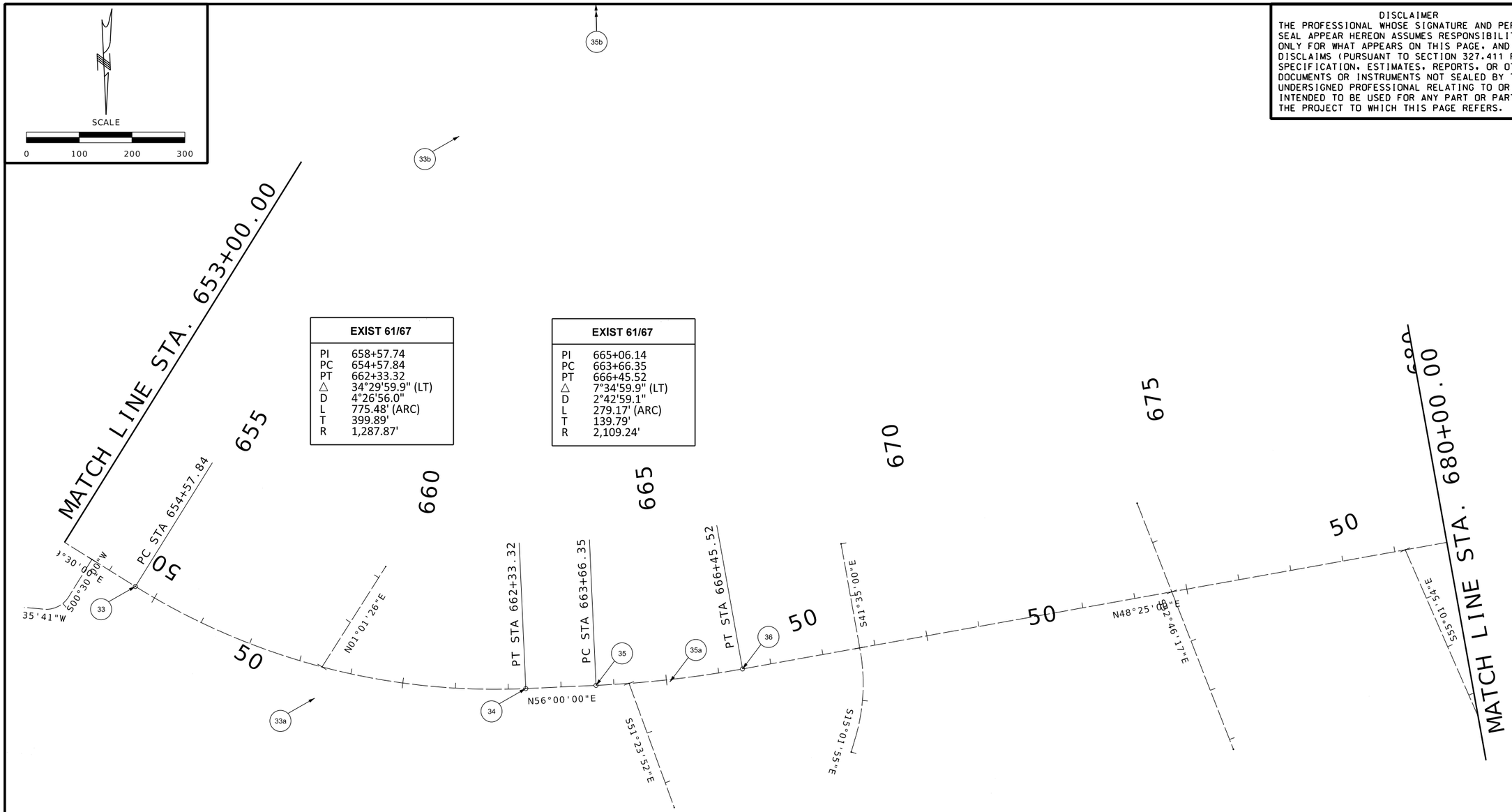
DESCRIPTION | DATE

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

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624



EXIST 61/67	
PI	658+57.74
PC	654+57.84
PT	662+33.32
△	34°29'59.9" (LT)
D	4°26'56.0"
L	775.48' (ARC)
T	399.89'
R	1,287.87'

EXIST 61/67	
PI	665+06.14
PC	663+66.35
PT	666+45.52
△	7°34'59.9" (LT)
D	2°42'59.1"
L	279.17' (ARC)
T	139.79'
R	2,109.24'

COORDINATE POINTS

STATION	LOCATION	OFFSET (FEET)	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
654+57.84	US RT 61/67	CL	970484.121	866599.219	PC	33
658+57.74	US RT 61/67	60.66' RT.	970480.631	866999.097	PI	33a
-	US RT 61/67	1287.87' LT.	971771.942	866610.457	CC of Curve	33b
662+33.32	US RT 61/67	CL	970704.249	867330.625	PT	34
663+66.35	US RT 61/67	CL	970778.640	867440.913	PC	35
665+06.14	US RT 61/67	4.63' RT.	970856.809	867556.804	PI	35a
-	US RT 61/67	2109.24' LT.	972527.280	866261.443	CC of Curve	35b
666+45.52	US RT 61/67	CL	970949.587	867661.364	PT	36

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED: 7/25/2025
ROUTE: 61/67 | STATE: MO
DISTRICT: SL | SHEET NO.: 111
COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

DESCRIPTION | DATE

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

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

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314.231.0100
GBAteam.com

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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 9 OF 10

COORDINATE POINT SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SCALE

0 100 200 300

39b

EXIST 61/67

PI	691+82.44
PC	689+87.97
PT	693+76.53
△	6°13'0.1" (LT)
D	1°35'59.8"
L	388.56' (ARC)
T	194.47'
R	3,581.10'

685 690 695 700 705

MATCH LINE STA. 680+00.00

50

37 POT STA 681+89.07

N48°19'00"E

38 POT STA 687+38.00

N48°49'00"E

39 PC STA 689+87.97

S40°33'37"E

39a

50

40 PT STA 693+76.53

N42°36'00"E

41 POT STA 699+40.48

N42°54'48"E

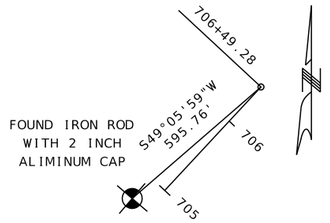
42 END STA 706+49.28

55

COORDINATE POINTS

STATION	LOCATION	OFFSET (FEET)	NORTHING (FEET)	EASTING (FEET)	DESCRIPTION	DESIGN PT. ID
681+89.07	US RT 61/67	CL	971974.057	868815.928	POT	37
687+38.00	US RT 61/67	CL	972339.102	869225.886	POT	38
689+87.97	US RT 61/67	CL	972503.701	869414.017	PC	39
691+82.44	US RT 61/67	5.28' RT.	972631.754	869560.375	PI	39a
-	US RT 61/67	3581.10' LT.	975198.861	867055.968	CC of Curve	39b
693+76.53	US RT 61/67	CL	972774.900	869692.006	PT	40
699+40.48	US RT 61/67	CL	973190.024	870073.731	POT	41
706+49.28	US RT 61/67	CL	973709.138	870556.347	POT (END)	42

LAND CORNER TIE #7:
FOUND IRON ROD WITH 2"AL CAP "MoDOT" AS CALLED FOR ON THE LOCATION SUREY PLAN BY J.R. GRIMES CONSULTING ENGINEERS, INC DATED 3/14/06 RECORDED IN SRB 4 PGS 2 & 3
595.76 FEET SOUTHWEST OF BASELINE STATION 706+49.28
N:973319.0660 E:870106.0390



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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	112

COUNTY ST. LOUIS

JOB NO. J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SHEET 10 OF 10

COORDINATE POINT SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

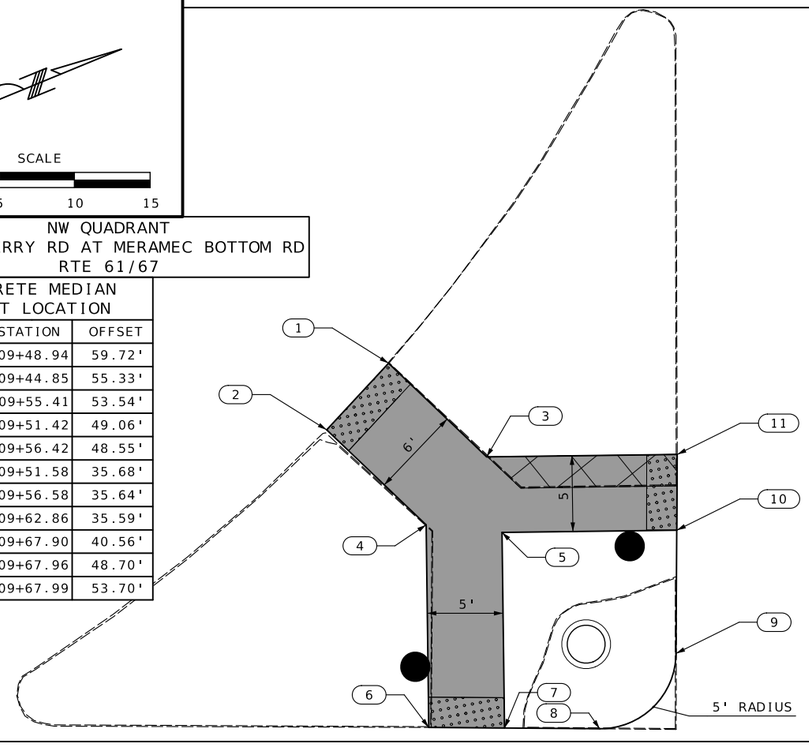
SCALE

0 5 10 15

NW QUADRANT
LEMAY FERRY RD AT MERAMEC BOTTOM RD
RTE 61/67

CONCRETE MEDIAN POINT LOCATION

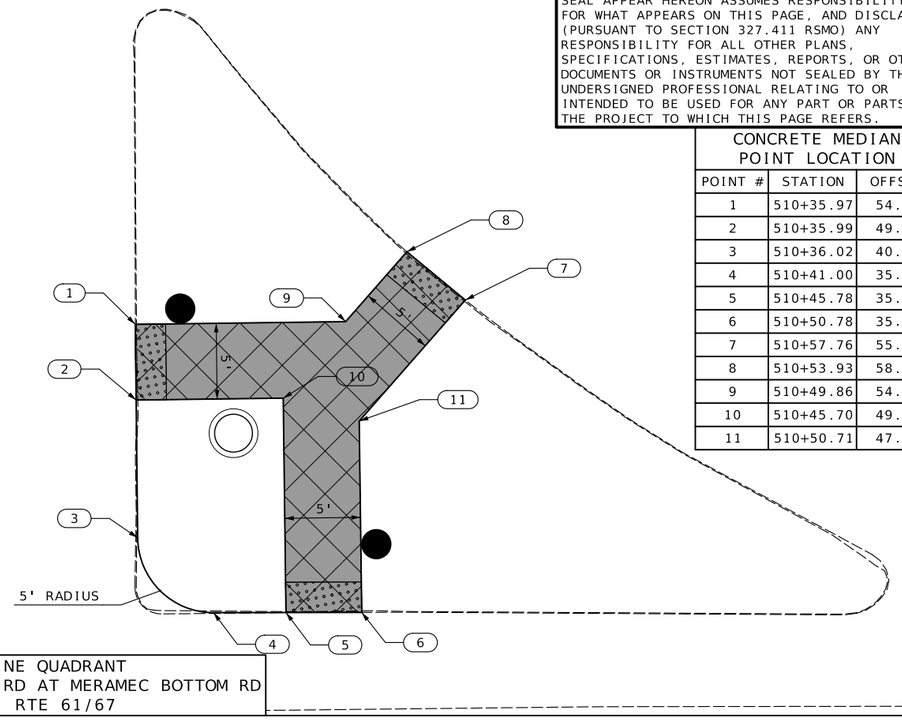
POINT #	STATION	OFFSET
1	509+48.94	59.72'
2	509+44.85	55.33'
3	509+55.41	53.54'
4	509+51.42	49.06'
5	509+56.42	48.55'
6	509+51.58	35.68'
7	509+56.58	35.64'
8	509+62.86	35.59'
9	509+67.90	40.56'
10	509+67.96	48.70'
11	509+67.99	53.70'



NE QUADRANT
LEMAY FERRY RD AT MERAMEC BOTTOM RD
RTE 61/67

CONCRETE MEDIAN POINT LOCATION

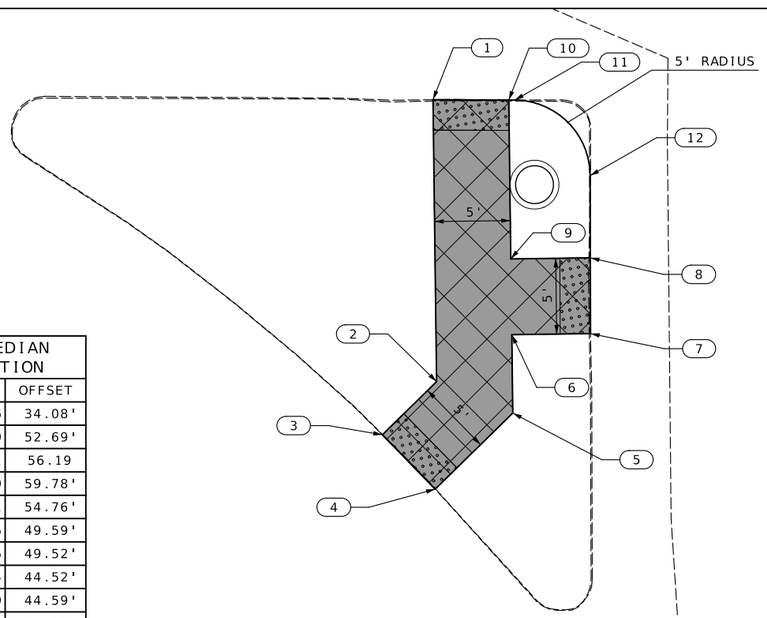
POINT #	STATION	OFFSET
1	510+35.97	54.30'
2	510+35.99	49.30'
3	510+36.02	40.22'
4	510+41.00	35.23'
5	510+45.78	35.21'
6	510+50.78	35.18'
7	510+57.76	55.74'
8	510+53.93	58.96'
9	510+49.86	54.38'
10	510+45.70	49.36'
11	510+50.71	47.81'



SW QUADRANT
LEMAY FERRY RD AT BAUMGARTENER RD
RTE 61/67

CONCRETE MEDIAN POINT LOCATION

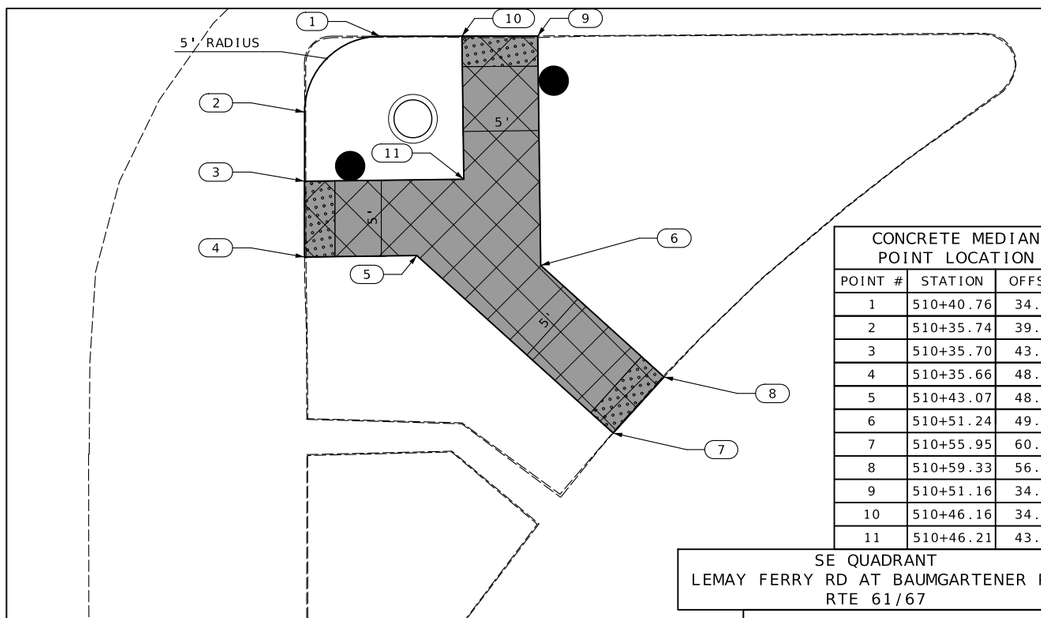
POINT #	STATION	OFFSET
1	509+52.46	34.08'
2	509+52.69	52.69'
3	509+49.11	56.19
4	509+52.59	59.78'
5	509+57.71	54.76'
6	509+57.65	49.59'
7	509+62.85	49.52'
8	509+62.84	44.52'
9	509+57.59	44.59'
10	509+57.46	34.10'
11	509+57.85	34.11'
12	509+62.82	39.09'



SE QUADRANT
LEMAY FERRY RD AT BAUMGARTENER RD
RTE 61/67

CONCRETE MEDIAN POINT LOCATION

POINT #	STATION	OFFSET
1	510+40.76	34.33'
2	510+35.74	39.29'
3	510+35.70	43.86'
4	510+35.66	48.86'
5	510+43.07	48.82'
6	510+51.24	49.53'
7	510+55.95	60.63'
8	510+59.33	56.95'
9	510+51.16	34.38'
10	510+46.16	34.36'
11	510+46.21	43.80'



SHEET 1 OF 7

ISLAND AND MEDIAN DETAILS

US ROUTE 61/67
LEMAY FERRY ROAD

FINAL PLANS

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STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	113

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

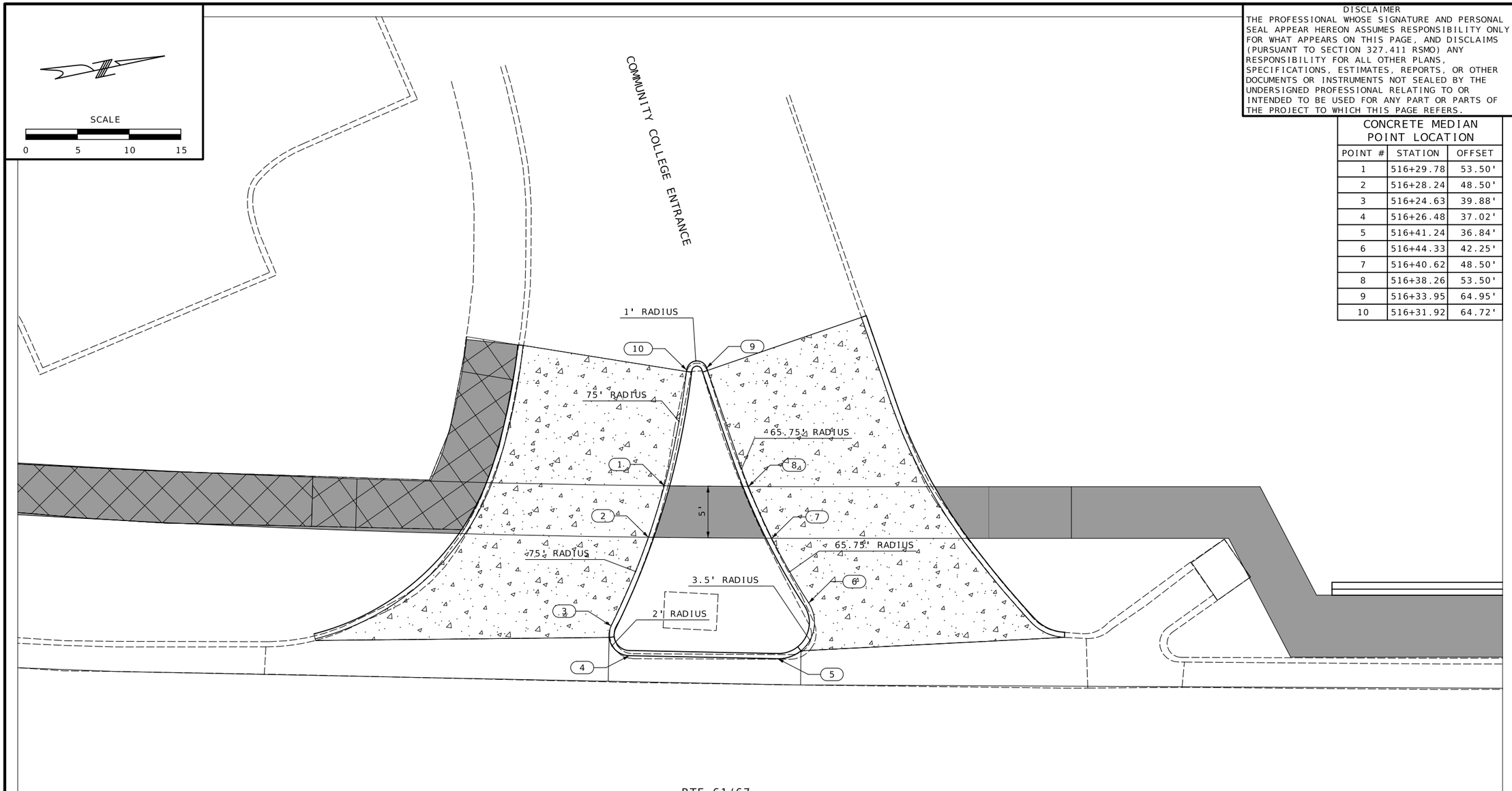
REV.

SCALE

0 5 10 15

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RTE 61/67

CONCRETE MEDIAN POINT LOCATION

POINT #	STATION	OFFSET
1	516+29.78	53.50'
2	516+28.24	48.50'
3	516+24.63	39.88'
4	516+26.48	37.02'
5	516+41.24	36.84'
6	516+44.33	42.25'
7	516+40.62	48.50'
8	516+38.26	53.50'
9	516+33.95	64.95'
10	516+31.92	64.72'

SPLITTER ISLAND
LEMAY FERRY RD/ST. LOUIS COMMUNITY COLLEGE
RTE 61/67

SHEET 2 OF 7

ISLAND AND MEDIAN DETAILS

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	114

COUNTY: ST. LOUIS

JOB NO.: J6S3578

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO.:

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

DESCRIPTION | DATE | REV.

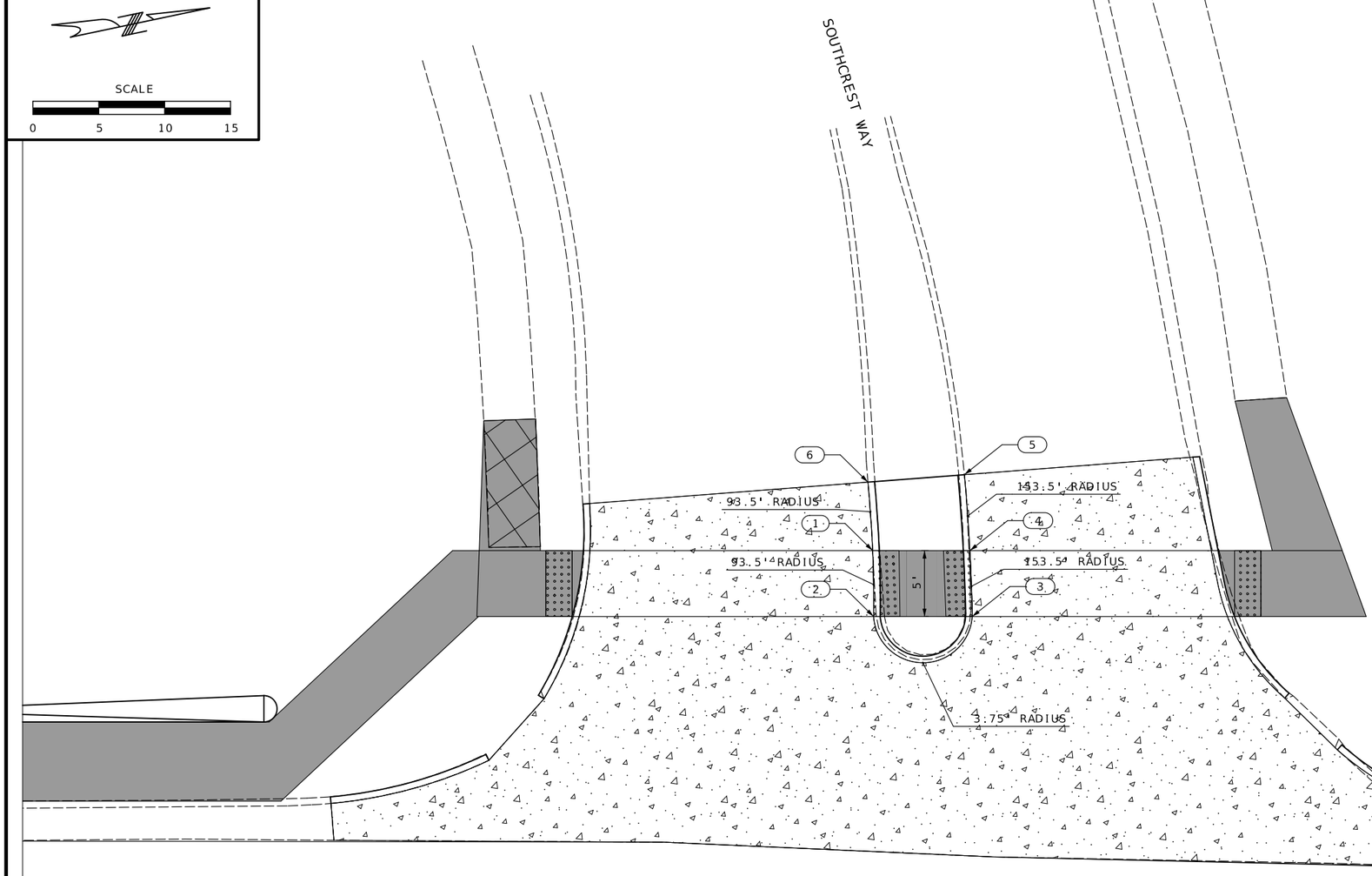
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
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F. 636 537 0275

FINAL PLANS

SCALE

0 5 10 15



CENTER MEDIAN
LEMAY FERRY RD/SOUTHCREST WAY
RTE 61/67

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CONCRETE MEDIAN
POINT LOCATION

POINT #	STATION	OFFSET
1	518+07.92	56.00'
2	518+07.99	51.00'
3	518+15.47	51.00'
4	518+15.30	56.00'
5	518+14.88	61.76'
6	518+07.56	61.20'

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO

DISTRICT	SHEET NO.
SL	115

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
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F. 636 537 0275

SHEET 3 OF 7

ISLAND AND MEDIAN DETAILS

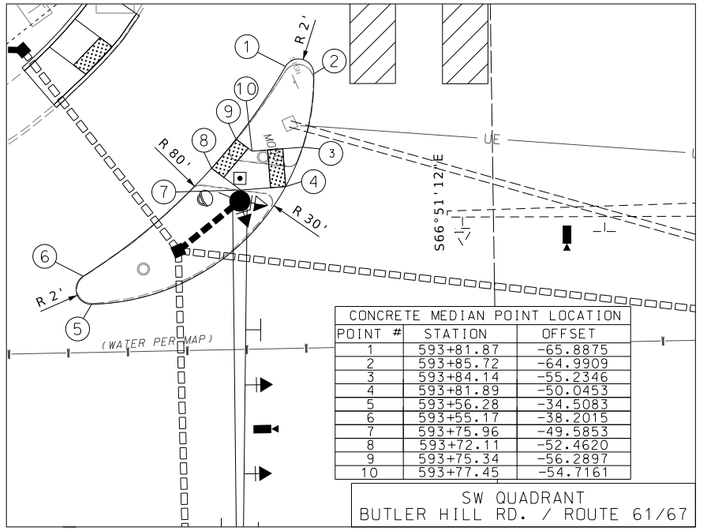
US ROUTE 61/67
LEMAY FERRY ROAD

FINAL PLANS

SCALE

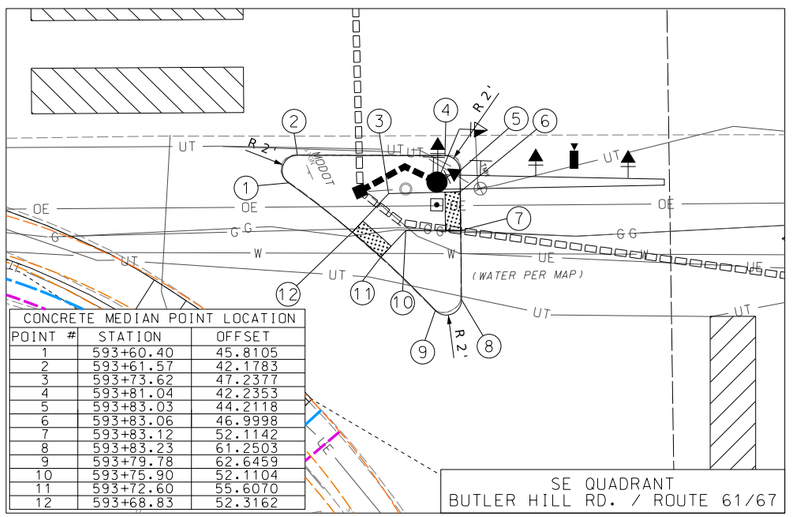
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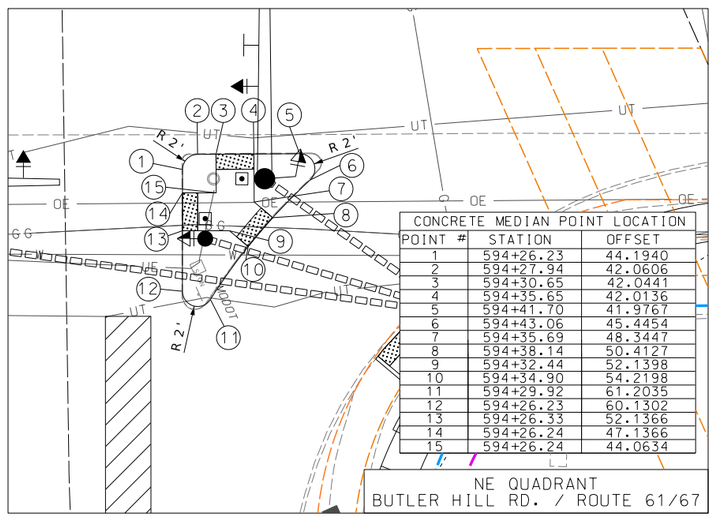
CONCRETE MEDIAN POINT LOCATION		
POINT #	STATION	OFFSET
1	593+81.87	-65.8875
2	593+85.72	-64.9909
3	593+84.14	-55.2346
4	593+81.89	-50.0453
5	593+56.28	-34.5083
6	593+55.17	-38.2015
7	593+75.96	-49.5853
8	593+72.11	-52.4620
9	593+75.34	-56.2897
10	593+77.45	-54.7161

SW QUADRANT
BUTLER HILL RD. / ROUTE 61/67



CONCRETE MEDIAN POINT LOCATION		
POINT #	STATION	OFFSET
1	593+60.40	45.8105
2	593+61.57	42.1783
3	593+73.62	47.2377
4	593+81.04	42.2353
5	593+83.03	44.2118
6	593+83.06	46.9998
7	593+83.12	52.1142
8	593+83.23	61.2503
9	593+79.78	62.6459
10	593+75.90	52.1104
11	593+72.60	55.6070
12	593+68.83	52.3162

SE QUADRANT
BUTLER HILL RD. / ROUTE 61/67



CONCRETE MEDIAN POINT LOCATION		
POINT #	STATION	OFFSET
1	594+26.23	44.1940
2	594+27.94	42.0606
3	594+30.65	42.0441
4	594+35.65	42.0136
5	594+41.70	41.9767
6	594+43.06	45.4454
7	594+35.69	48.3447
8	594+38.14	50.4127
9	594+32.44	52.1398
10	594+34.90	54.2198
11	594+29.92	61.2035
12	594+26.23	60.1302
13	594+26.33	52.1366
14	594+26.24	47.1366
15	594+26.24	44.0634

NE QUADRANT
BUTLER HILL RD. / ROUTE 61/67

SHEET 4 OF 7

ISLAND AND MEDIAN DETAILS

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	116

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

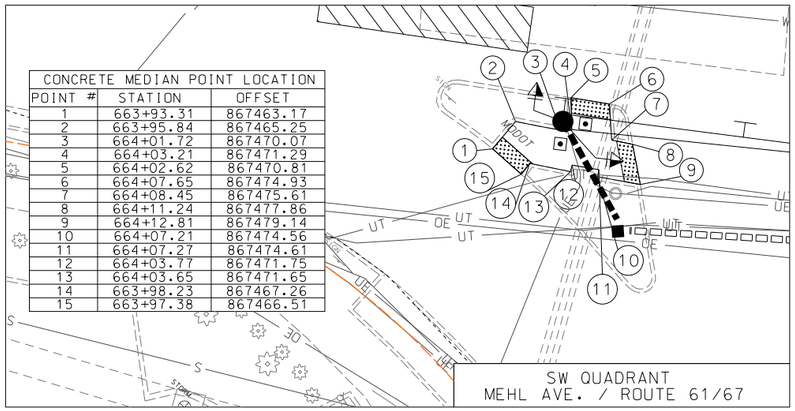
BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

SCALE

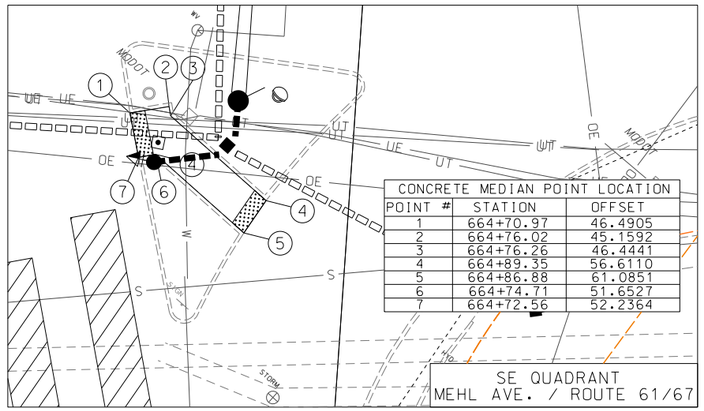
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CONCRETE MEDIAN POINT LOCATION		
POINT #	STATION	OFFSET
1	663+93.31	867463.17
2	663+95.84	867465.25
3	664+01.72	867470.07
4	664+03.21	867471.29
5	664+02.62	867470.81
6	664+07.65	867474.93
7	664+08.45	867475.61
8	664+11.24	867477.86
9	664+12.81	867479.14
10	664+07.21	867474.56
11	664+07.27	867474.61
12	664+03.77	867471.75
13	664+03.65	867471.65
14	663+98.23	867467.26
15	663+97.38	867466.51



CONCRETE MEDIAN POINT LOCATION		
POINT #	STATION	OFFSET
1	664+70.97	46.4905
2	664+76.02	45.1592
3	664+76.26	46.4441
4	664+89.35	56.6110
5	664+86.88	61.0851
6	664+74.71	51.6527
7	664+72.56	52.2364



SHEET 5 OF 7

ISLAND AND MEDIAN DETAILS

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI — PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	117

COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

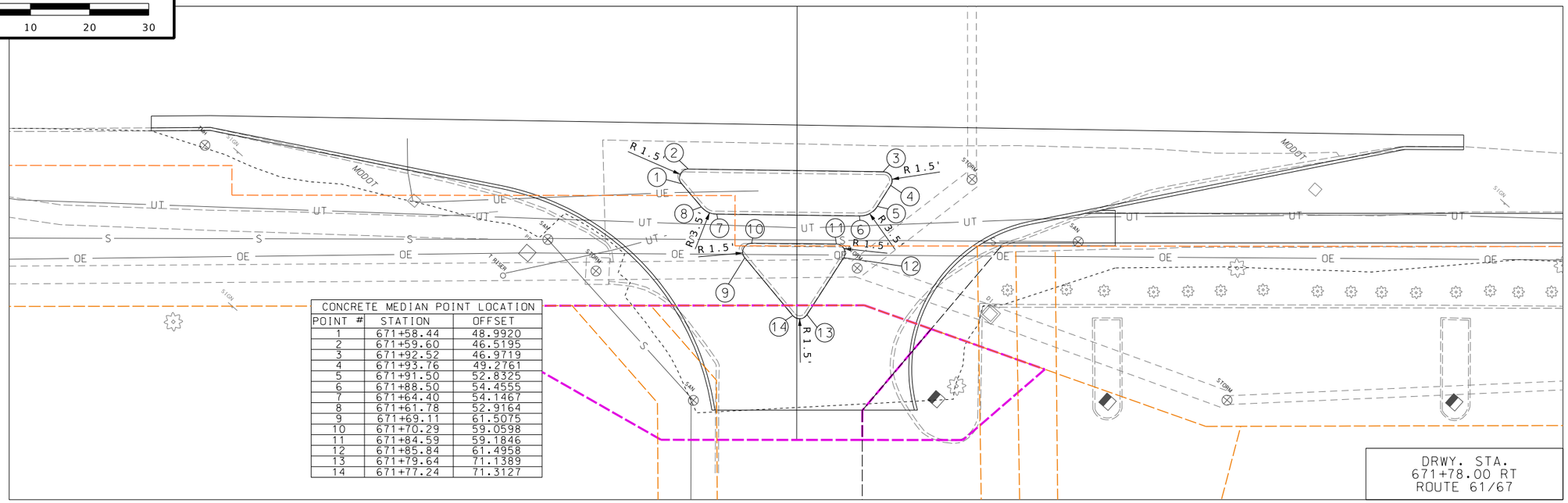
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

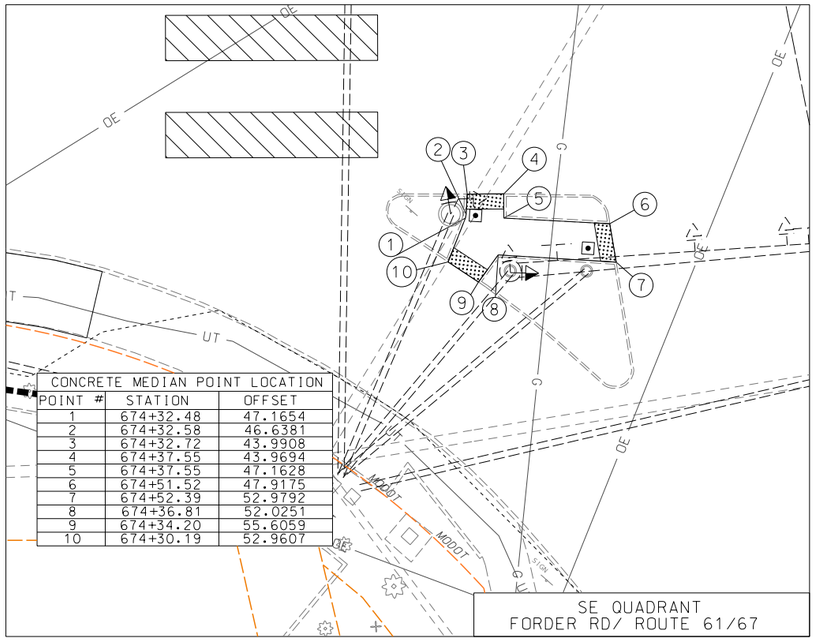
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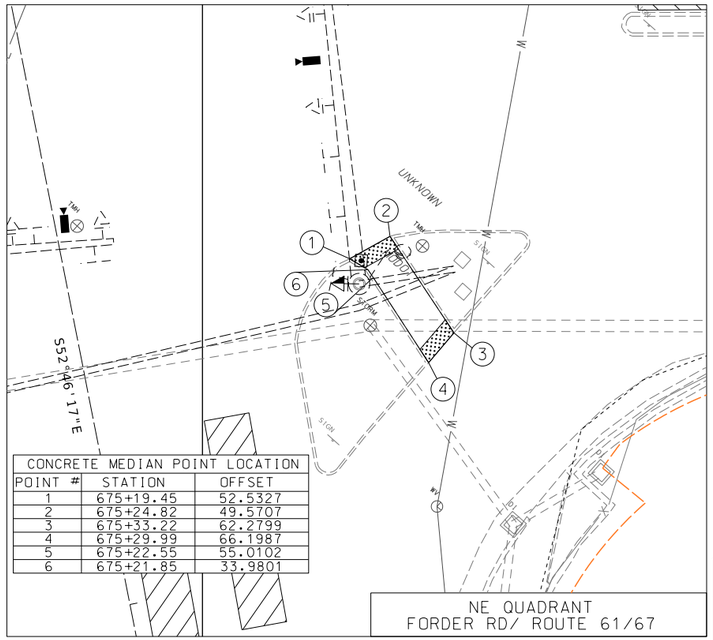
CONCRETE MEDIAN POINT LOCATION		
POINT #	STATION	OFFSET
1	671+58.44	48.9920
2	671+59.60	46.5195
3	671+92.52	46.9719
4	671+93.76	49.2761
5	671+91.50	52.8325
6	671+88.50	54.4555
7	671+64.40	54.1467
8	671+61.78	52.9164
9	671+69.11	61.5075
10	671+70.29	59.0598
11	671+84.59	59.1846
12	671+85.84	61.4958
13	671+79.64	71.1389
14	671+77.24	71.3127

DRWY. STA.
671+78.00 RT
ROUTE 61/67



CONCRETE MEDIAN POINT LOCATION		
POINT #	STATION	OFFSET
1	674+32.48	47.1654
2	674+32.58	46.6381
3	674+32.72	43.9908
4	674+37.55	43.9694
5	674+37.55	47.1628
6	674+51.52	47.9175
7	674+52.39	52.9792
8	674+36.81	52.0251
9	674+34.20	55.6059
10	674+30.19	52.9607

SE QUADRANT
FORDER RD/ ROUTE 61/67



CONCRETE MEDIAN POINT LOCATION		
POINT #	STATION	OFFSET
1	675+19.45	52.5327
2	675+24.82	49.5707
3	675+33.22	62.2799
4	675+29.99	66.1987
5	675+22.55	55.0102
6	675+21.85	33.9801

NE QUADRANT
FORDER RD/ ROUTE 61/67

SHEET 6 OF 7

ISLAND AND MEDIAN DETAILS

US ROUTE 61/67
LEMAY FERRY ROAD

BRIAN D. KIERATH JR. NUMBER PE-2023008624
STATE OF MISSOURI PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	118

COUNTY ST. LOUIS

JOB NO. J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

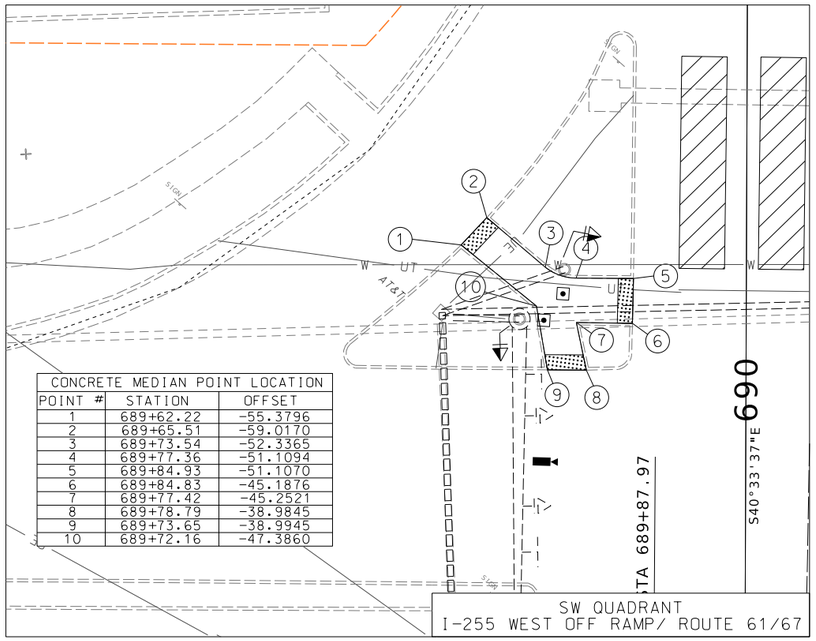
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SCALE

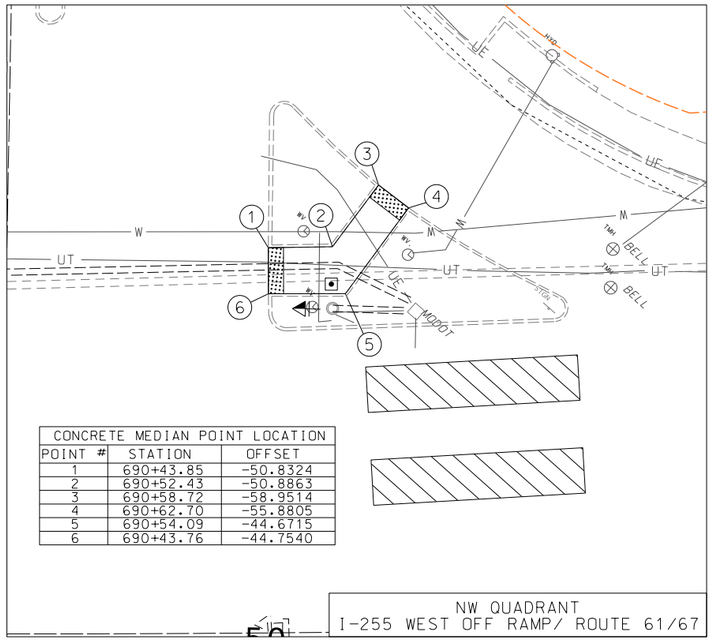
0 10 20 30

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CONCRETE MEDIAN POINT LOCATION		
POINT #	STATION	OFFSET
1	689+62.22	-55.3796
2	689+65.51	-59.0170
3	689+73.54	-52.3365
4	689+77.36	-51.1094
5	689+84.93	-51.1070
6	689+84.83	-45.1876
7	689+77.42	-45.2521
8	689+78.79	-38.9845
9	689+73.65	-38.9945
10	689+72.16	-47.3860

SW QUADRANT
I-255 WEST OFF RAMP/ ROUTE 61/67



CONCRETE MEDIAN POINT LOCATION		
POINT #	STATION	OFFSET
1	690+43.85	-50.8324
2	690+52.43	-50.8863
3	690+58.72	-58.9514
4	690+62.70	-55.8805
5	690+54.09	-44.6715
6	690+43.76	-44.7540

NW QUADRANT
I-255 WEST OFF RAMP/ ROUTE 61/67

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	119

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

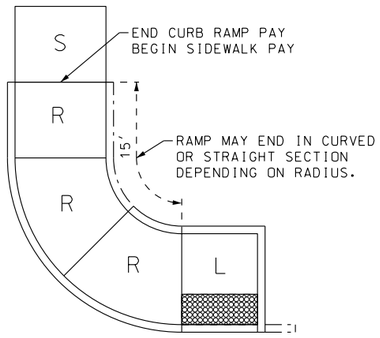
SHEET 7 OF 7

ISLAND AND MEDIAN DETAILS

US ROUTE 61/67
LEMAY FERRY ROAD

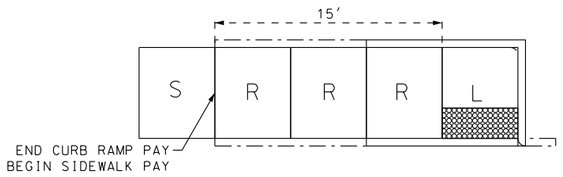
REV.

PEDESTRIAN CURB RAMP PAY LIMITS

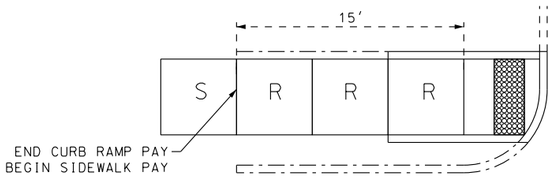


TYPE 1 PARALLEL

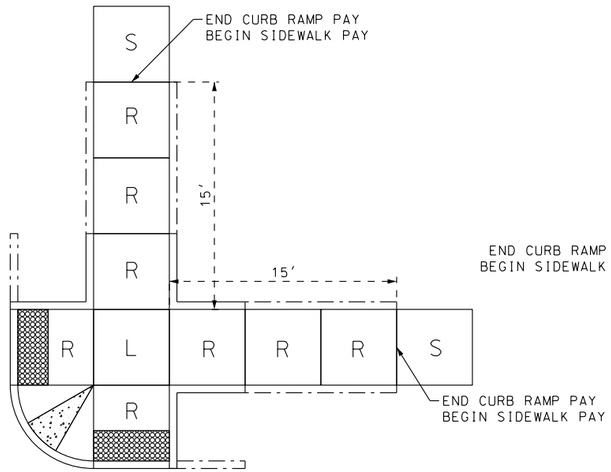
THE LENTH OF THIS RAMP SHALL BE MEASURED
ON THE INSIDE/SHORT SIDE OF THE CURVE



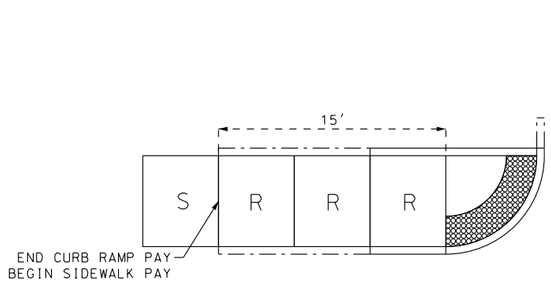
TYPE 2 PARALLEL



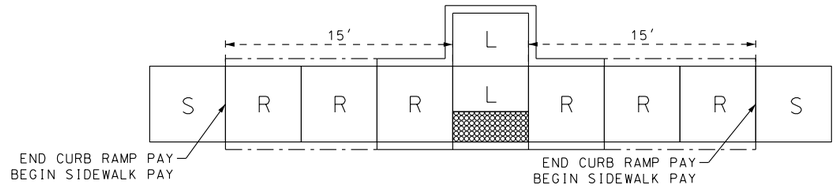
SMALL RADIUS PERPENDICULAR



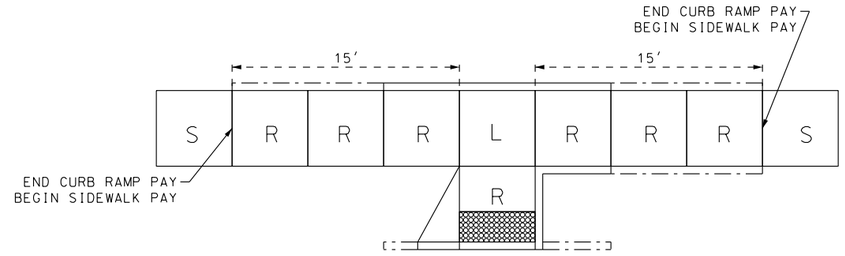
DUAL PERPENDICULAR
PAY AS 2 EACH



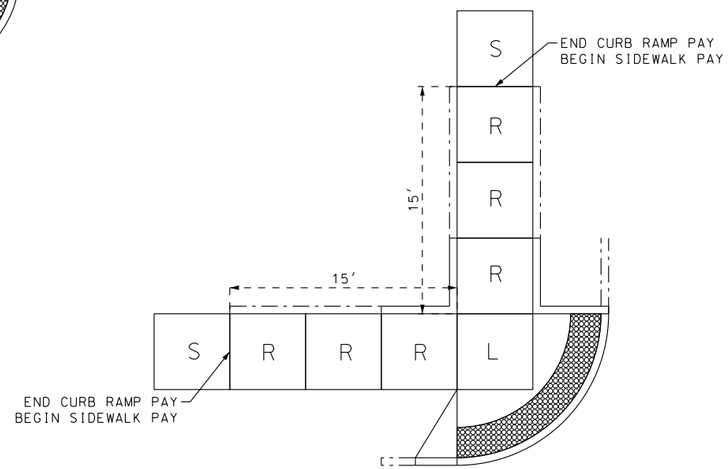
LARGE RADIUS PERPENDICULAR



TYPE 3 PARALLEL



COMPOUND PERPENDICULAR



BLENDED TRANSITION
PAY AS 2 EACH

Notes –
15 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.

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STATE OF MISSOURI
BRIAN D. KIERATH JR.
NUMBER PE-2023008624
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	120

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

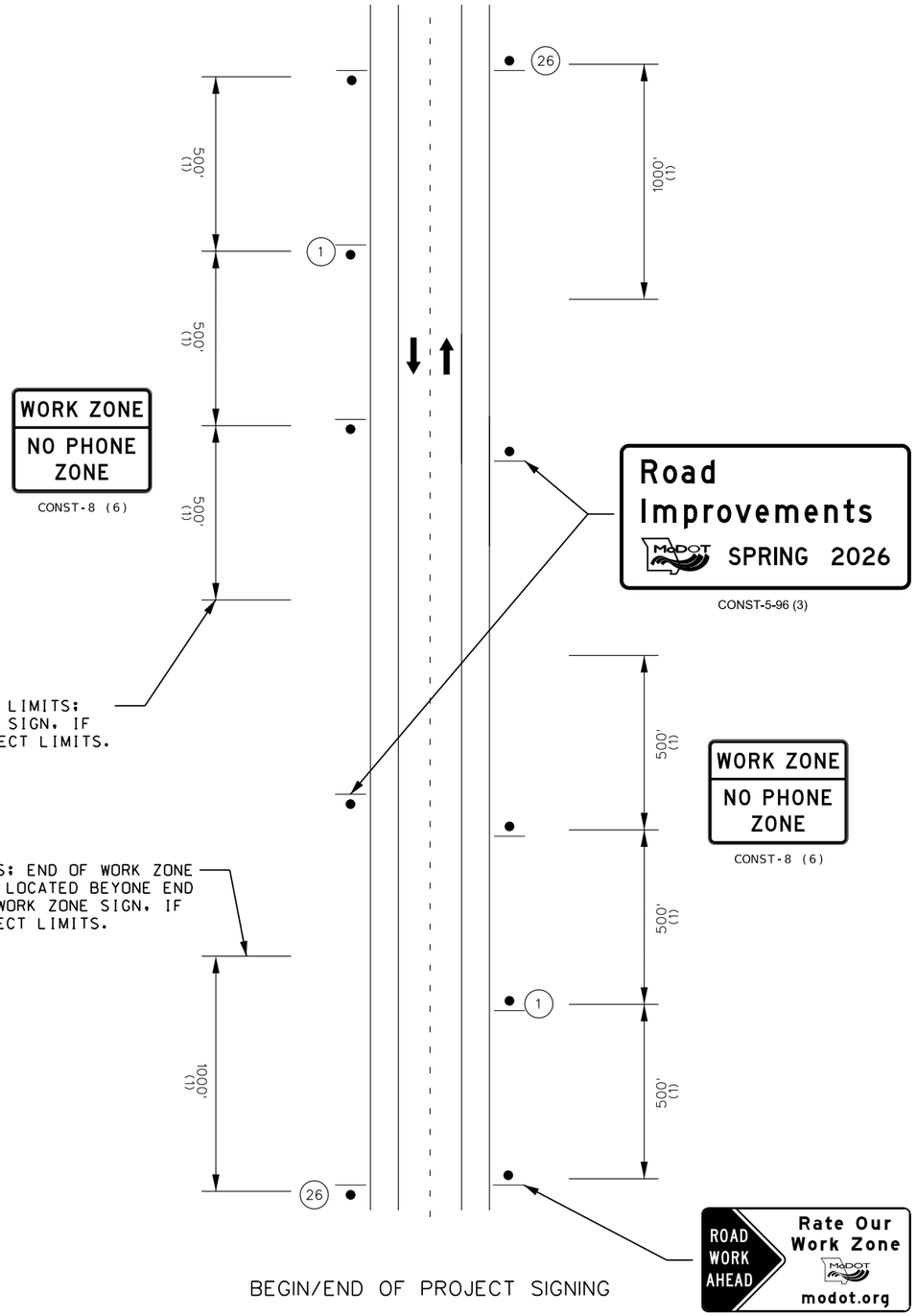
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL ENGINEER
PE-2023008624

SPECIAL SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

REV.



BEGIN/END OF PROJECT SIGNING

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NOTES:

SIGN (1) IS REQUIRED.

SIGN (26) IS USED ON ALL PROJECTS WHERE SIGN (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.

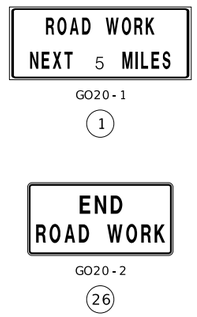
(2) SIGN CONST-7-72 OR CONST-7-48 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN, IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.

(3) SIGN CONST-5-96 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 RIGHT 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 RIGHT OF WAY FOR A 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 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.



SHEET 1 OF 5

TRAFFIC CONTROL SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	121

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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16305 SWINGLEY RIDGE RD
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CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

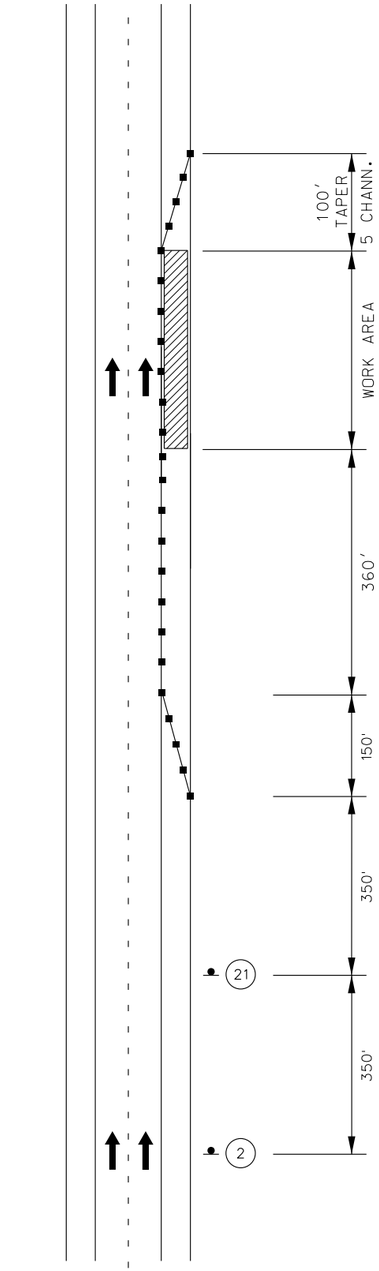
KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

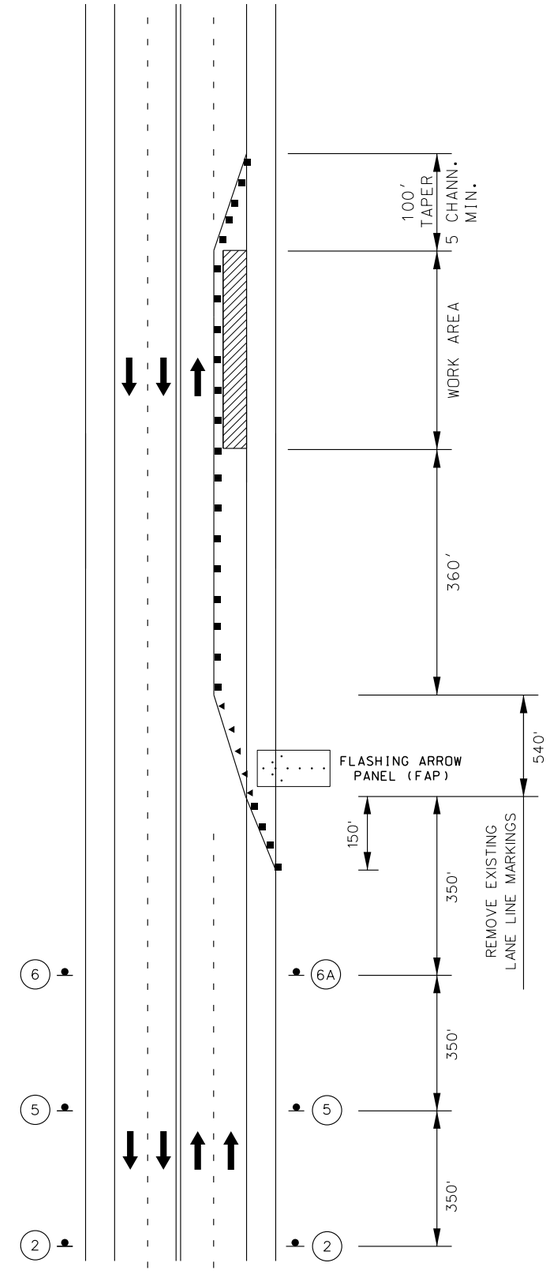
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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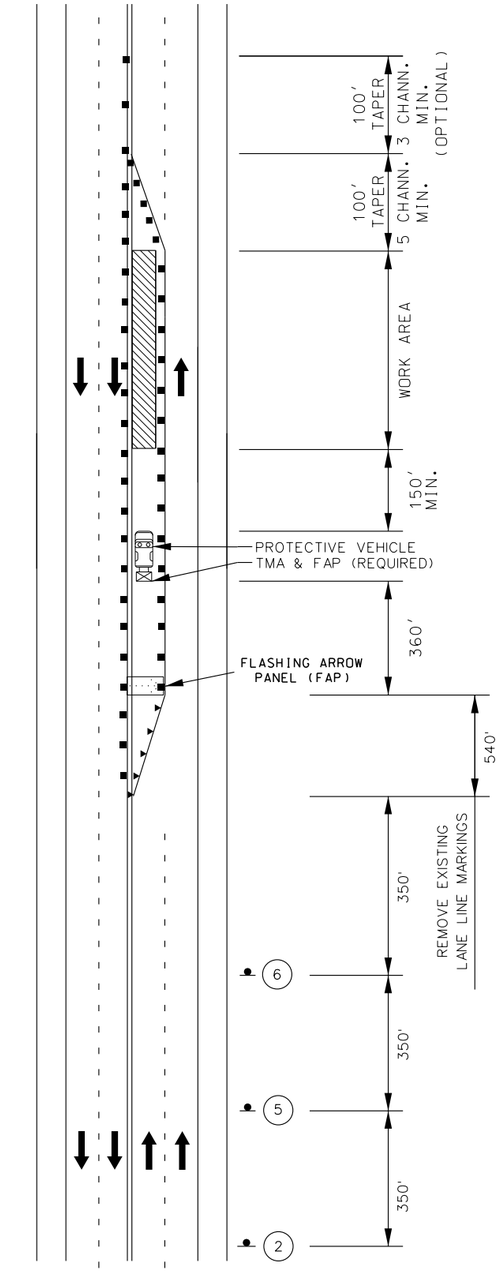
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SHOULDER CLOSURE



OUTSIDE LANE CLOSURE
MULTI-LANE HIGHWAY



INSIDE LANE CLOSURE
MULTI-LANE HIGHWAY





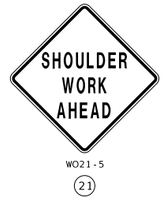
BRIDGE OR RAMP

CENTER LANE OR LEFT LANE



CENTER OR LEFT





CHANNELIZERS

DIRECTIONAL INDICATOR BARRICADES

GENERAL NOTES:

(1). CHANNELIZERS WILL BE SPACED AT 80' INTERVALS ALONG THE BUFFER/WORK ZONE AND AT 40' INTERVALS WITHIN TAPERS.

(2). ALWAYS USE A PROTECTIVE VEHICLE WITH A FLASHING ARROW PANEL (FAP) AND A TRUCK/TRAILER MOUNTED ATTENUATOR (TMA).

(3). OPERATE THE FAP IN THE FOUR CORNER OR ALTERNATING DIAMOND CAUTION MODE.

(4). A WORK VEHICLE MAY BE USED AS A PROTECTIVE VEHICLE FOR ROADWAY SEGMENTS POSTED AT 45 MPH OR LESS.

TRAFFIC CONTROL SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	122

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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REV.	DESCRIPTION	DATE
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301



GENERAL NOTES:

(1). ALWAYS USE A PROTECTIVE VEHICLE WITH A FLASHING ARROW PANEL (FAP) AND A TRUCK/TRAILER MOUNTED ATTENUATOR (TMA).

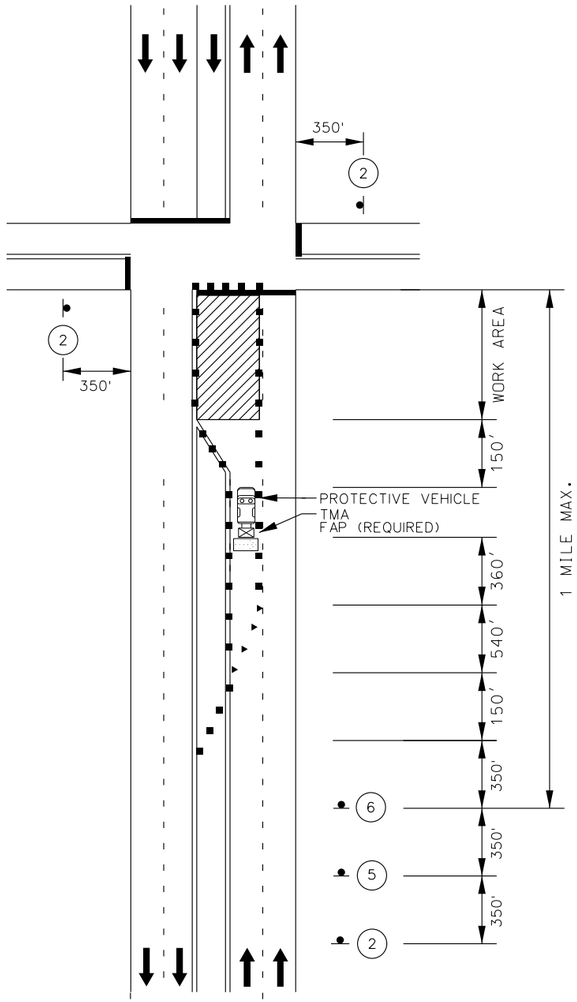
(2). OPERATE THE FAP IN THE FOUR CORNER OR ALTERNATING DIAMOND CAUTION MODE.

(3). A WORK VEHICLE MAY BE USED AS A PROTECTIVE VEHICLE FOR ROADWAY SEGMENTS POSTED AT 45 MPH OR LESS.

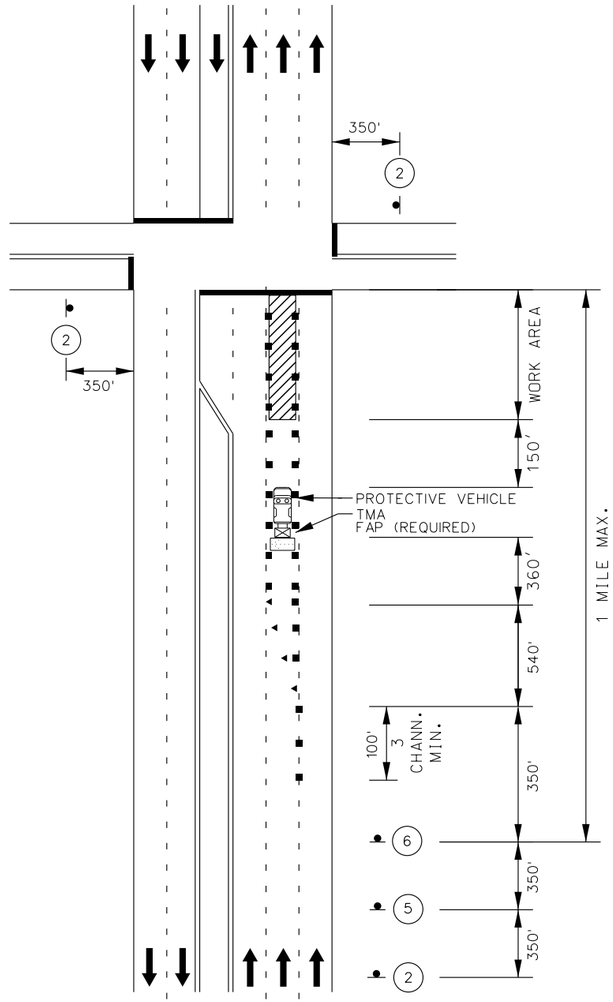
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CHANNELIZERS

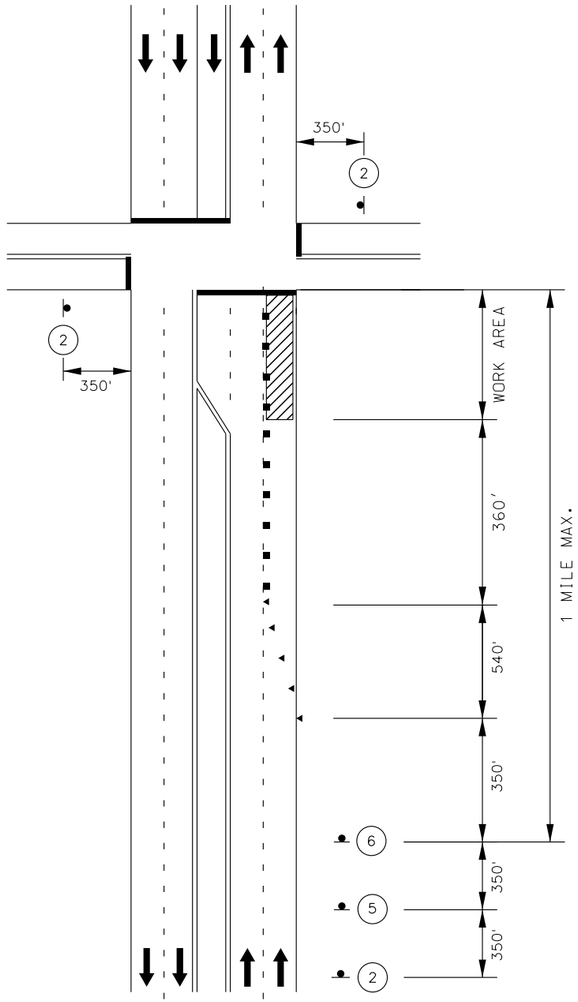
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DIRECTIONAL INDICATOR BARRICADES (DIBS)



LEFT LANE CLOSURE
AT INTERSECTION
(NEAR SIDE WORK ZONE)



CENTER LANE CLOSURE
AT INTERSECTION
(NEAR SIDE WORK ZONE)



RIGHT LANE CLOSURE
AT INTERSECTION
(NEAR SIDE WORK ZONE)

SHEET 3 OF 5

TRAFFIC CONTROL SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	123

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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DESCRIPTION	DATE
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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

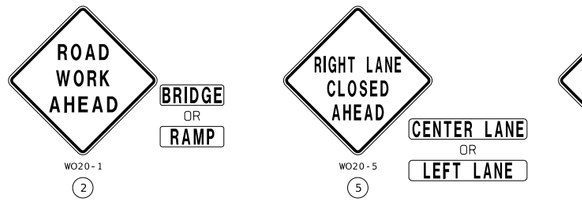
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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

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WO20-1

(2)

BRIDGE
OR
RAMP

WO20-5

(5)

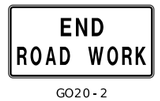
CENTER LANE
OR
LEFT LANE



WO20-6a

(6)

CENTER
OR
LEFT



GO20-2

(26)

GENERAL NOTES:

(1). ALWAYS USE A PROTECTIVE VEHICLE WITH A FLASHING ARROW PANEL (FAP) AND A TRUCK/TRAILER MOUNTED ATTENUATOR (TMA).

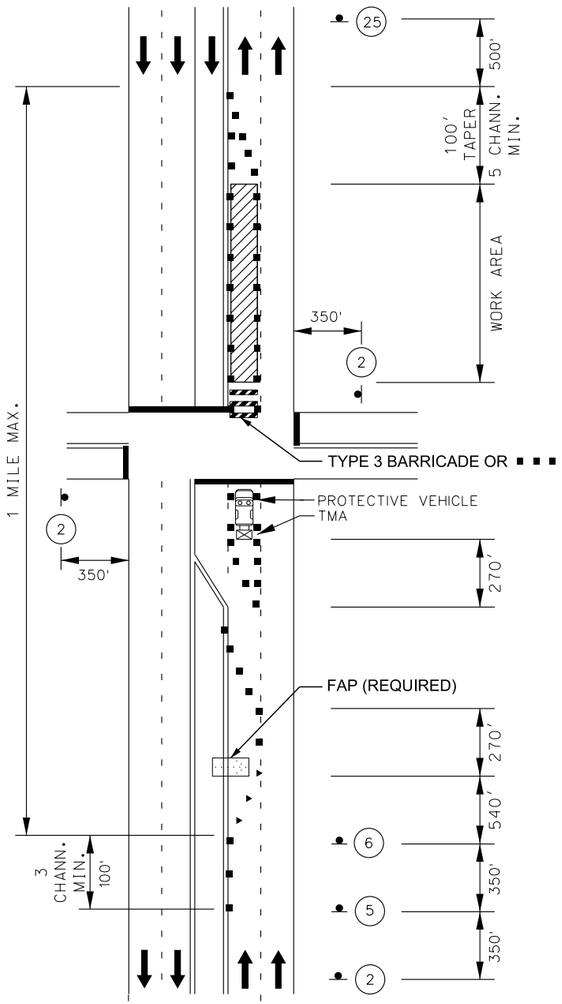
(2). OPERATE THE FAP IN THE FOUR CORNER OR ALTERNATING DIAMOND CAUTION MODE.

(3). A WORK VEHICLE MAY BE USED AS A PROTECTIVE VEHICLE FOR ROADWAY SEGMENTS POSTED AT 45 MPH OR LESS.

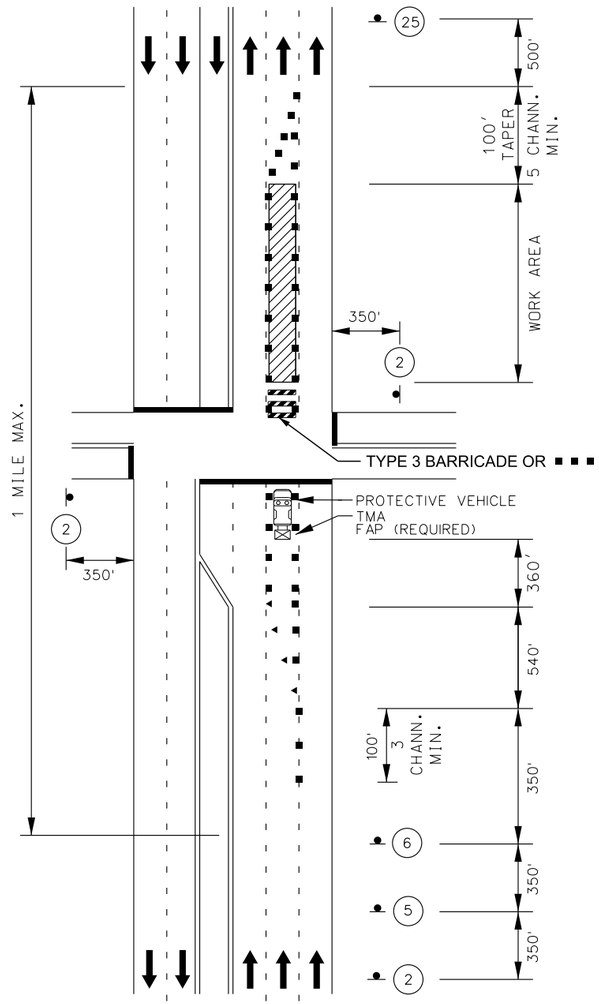
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CHANNELIZERS

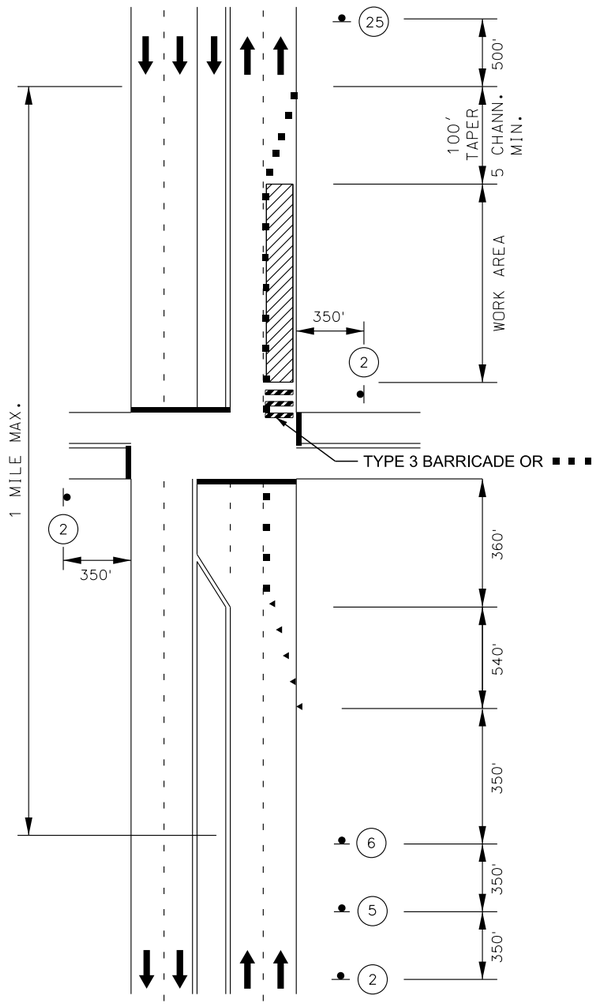
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DIRECTIONAL INDICATOR BARRICADES (DIBS)



LEFT LANE CLOSURE
AT INTERSECTION
(FAR SIDE WORK ZONE)



CENTER LANE CLOSURE
AT INTERSECTION
(FAR SIDE WORK ZONE)



RIGHT LANE CLOSURE
AT INTERSECTION
(FAR SIDE WORK ZONE)

SHEET 4 OF 5

TRAFFIC CONTROL SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2010041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	124

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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REV.	DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

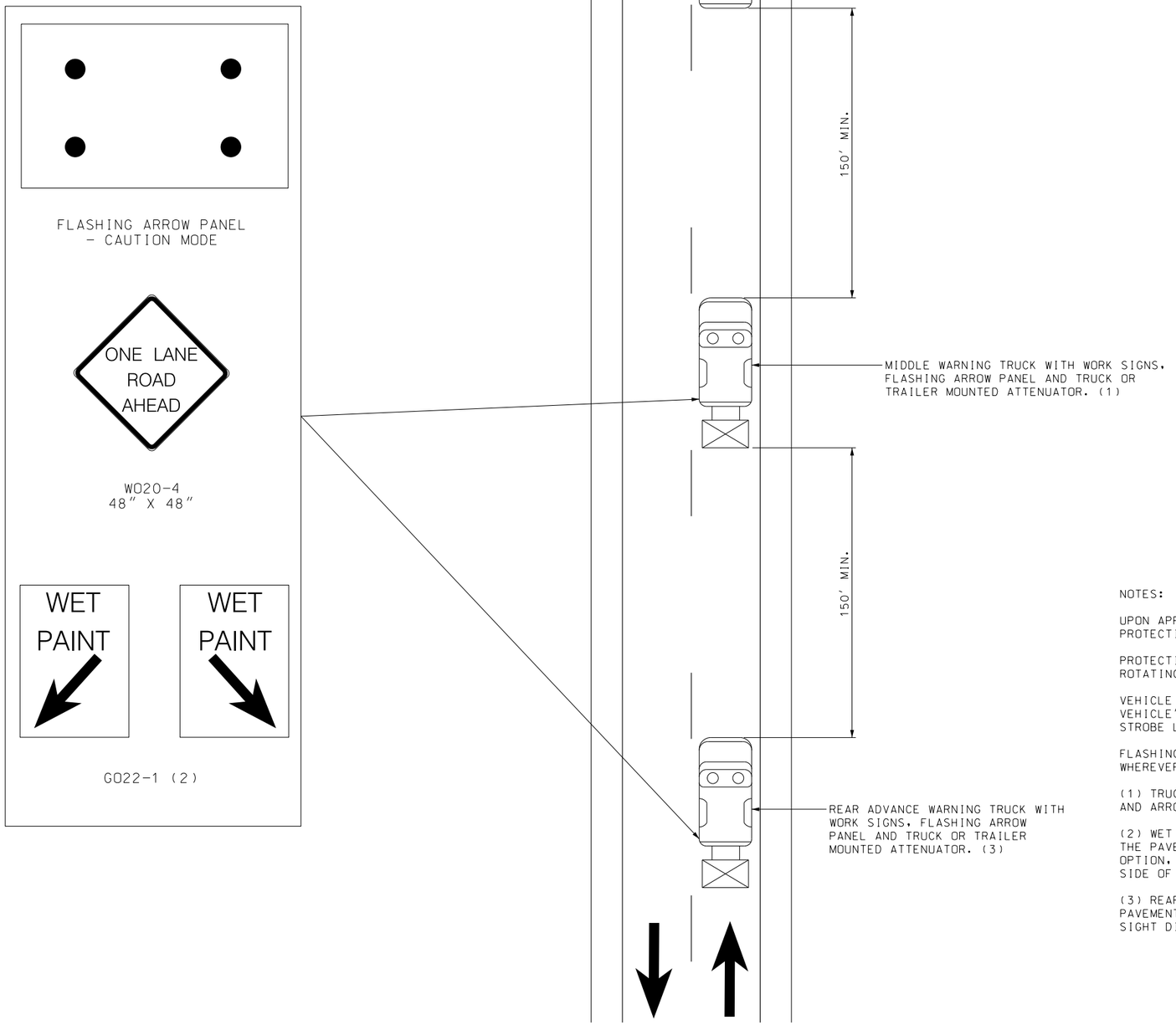
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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

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CENTERLINE/EDGELINE STRIPING ON HIGHWAYS

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NOTES:

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCK 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 BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT SHALL BE MADE.

(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) REAR ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE, OR SPACING SHOWN.

SHEET 5 OF 5

TRAFFIC CONTROL SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	125

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

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SCALE

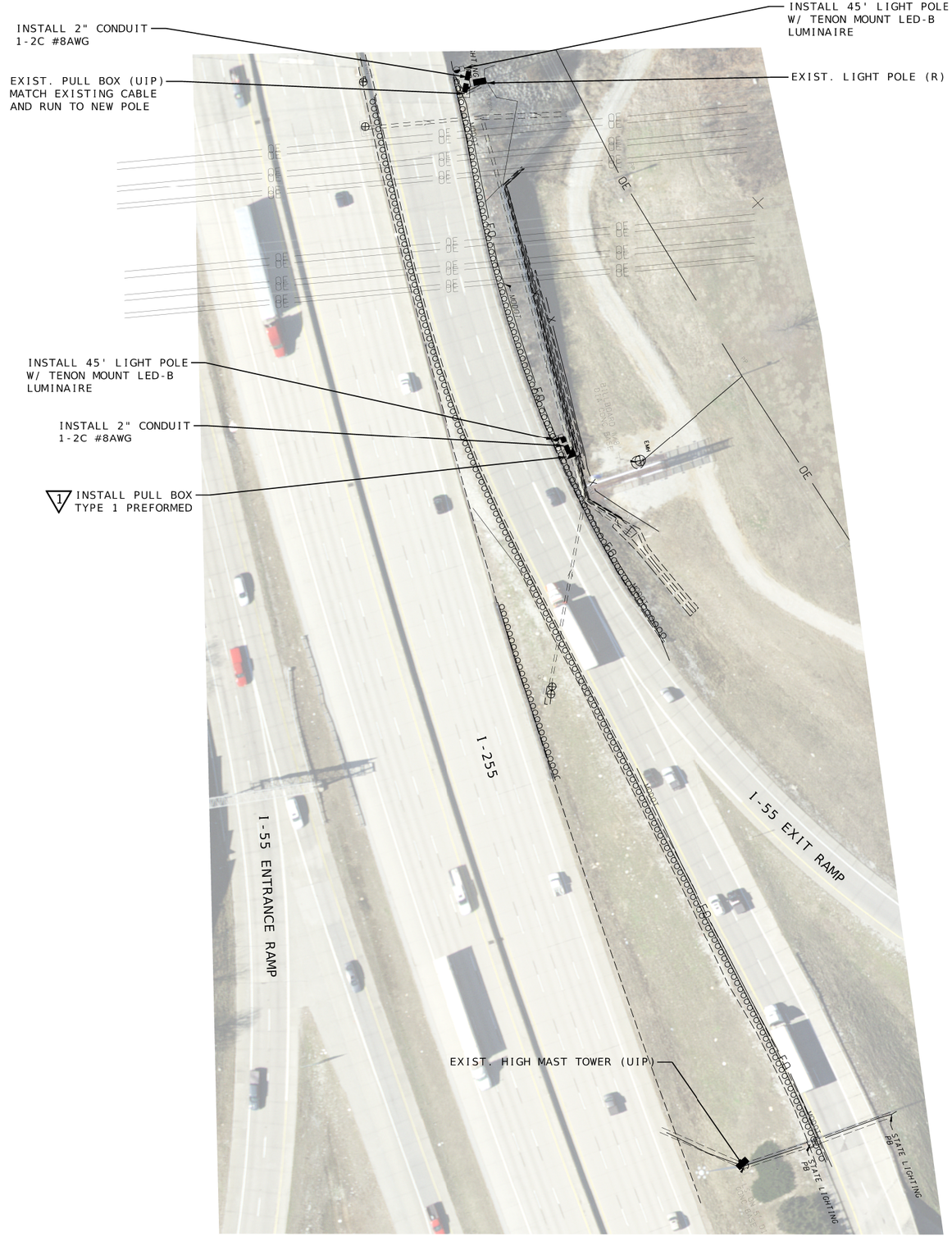
0 40 80 120

1 Contractor shall intercept existing circuit cabling and pull cabling into proposed pull box, splice and extend same size cable to new light pole base, and continue exististng cable to next light pole. Contractor shall coordinate with the engineer in charge to determine exact location.

2 Contractor shall coordinate with the engineer in charge and Ameren to achieve accepted distance from transmission line.

Light poles shall be placed maximum 15'from the edge of travelway.

Contractor shall coordinate with the engineer in charge to identify existing power source.



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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	126

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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DATE	DESCRIPTION
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

LIGHTING SHEET

RAMP
I-255 & I-55

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TRAFFIC SIGNALS LEGEND

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

GENERAL NOTES:

1.) ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN TYPE HEADS.

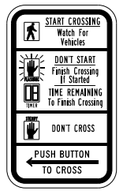
2.) ALL PUSHBUTTONS SHALL BE APS PUSHBUTTONS.

3.) CONNECTION / HOOK UP OF WIRES AND CONFIGURATION OF PEDESTRIAN HEADS AND PUSHBUTTON DETECTORS IN EXISTING CONTROLLERS INCLUDED IN UNIT PRICE FOR SIGNAL WIRE.

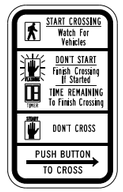
4.) COORDINATE CURB RAMP & LANDING CONSTRUCTION WITH SIGNAL PLANS. SEE PLAN SHEETS.

5.) ALL PUSHBUTTONS REQUIRE SIGN R10-3E (9"X15") TO BE INSTALLED ABOVE THEM.

6.) REMOVAL OF EXISTING BASES AND FOUNDATIONS SHALL BE A MINIMUM OF 24 INCHES BELOW FINISHED GRADE IF NOT SPECIFIED OTHERWISE.



R10-3eL



R10-3eR

INSTALL ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

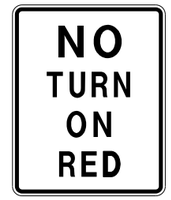
(A) (B)



R3-5L (C)



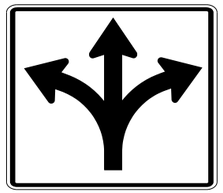
R10-27a (D)



R10-11a (E)



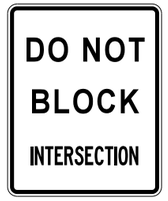
R10-12 (F)



R3-8 (G)



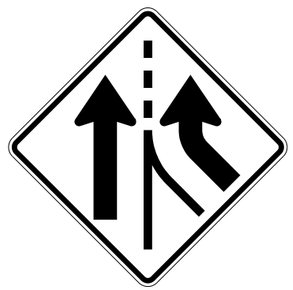
R10-10L (H)



R10-7 (I)



R3-2 (J)



W4-3R (K)



R3-6L (L)



(SPECIAL) (M)

SHEET 1 OF 79

SIGNAL LEGEND SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	127

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

DESCRIPTION	DATE
.	.
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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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

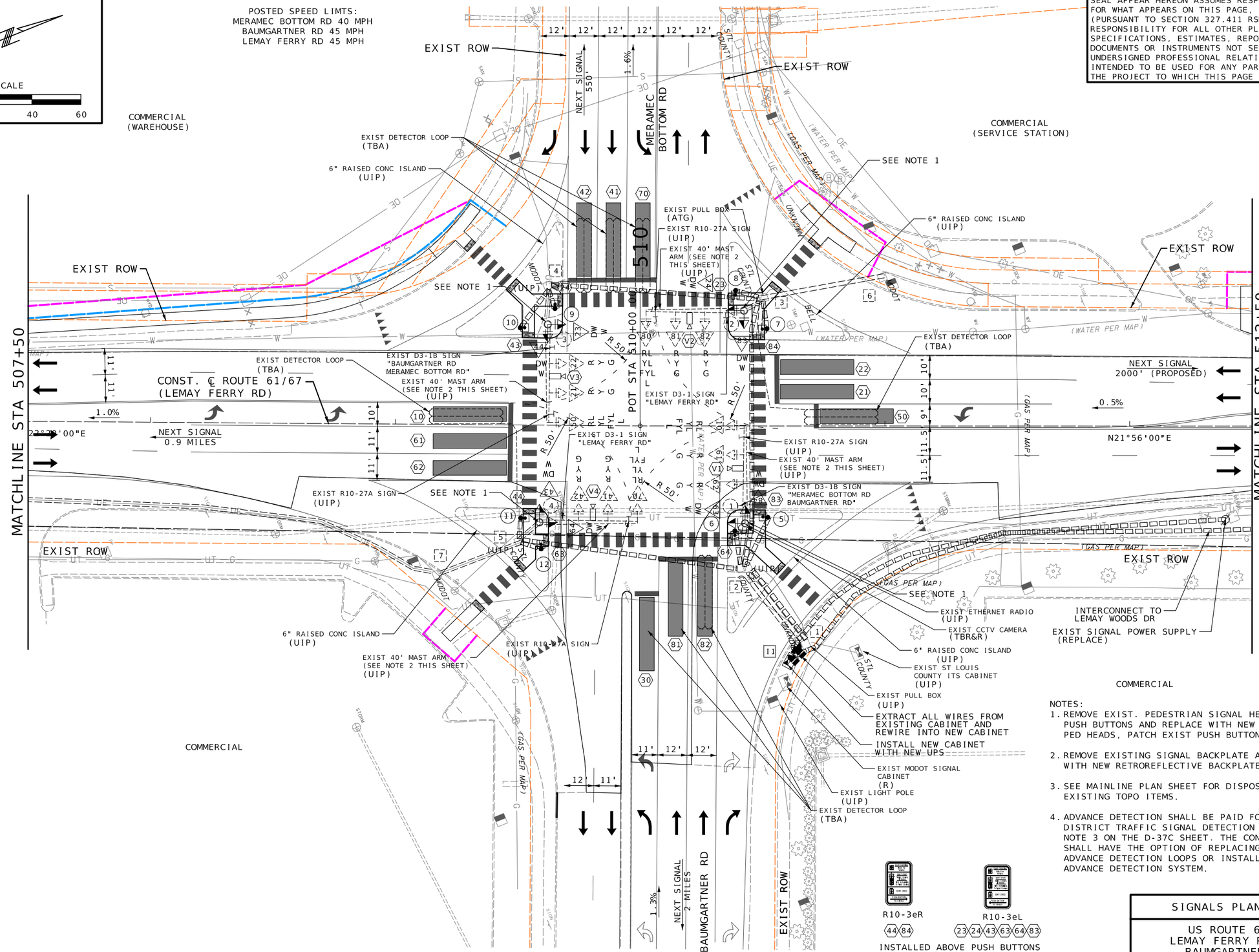
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

c:\bms\gba-pw-01\regan hutchinson\dms13774\127_SG_01_J6S3578_i1.dgn 10:59:08 AM 07/25/2025

SCALE
0 20 40 60

POSTED SPEED LIMTS:
MERAMEC BOTTOM RD 40 MPH
BAUMGARTNER RD 45 MPH
LEMAY FERRY RD 45 MPH



NOTES:
1. REMOVE EXIST. PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS AND REPLACE WITH NEW COUNT DOWN PED HEADS, PATCH EXIST PUSH BUTTON HOLE.
2. REMOVE EXISTING SIGNAL BACKPLATE AND REPLACE WITH NEW RETROREFLECTIVE BACKPLATE.
3. SEE MAINLINE PLAN SHEET FOR DISPOSITION OF EXISTING TOPO ITEMS.
4. ADVANCE DETECTION SHALL BE PAID FOR AS SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM. SEE NOTE 3 ON THE D-37C SHEET. THE CONTRACTOR SHALL HAVE THE OPTION OF REPLACING THE ADVANCE DETECTION LOOPS OR INSTALLING A NEW ADVANCE DETECTION SYSTEM.

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) ANY RESPONSIBILITY FOR ALL OTHER PLANS, 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

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	128

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

SIGNALS PLAN SHEET

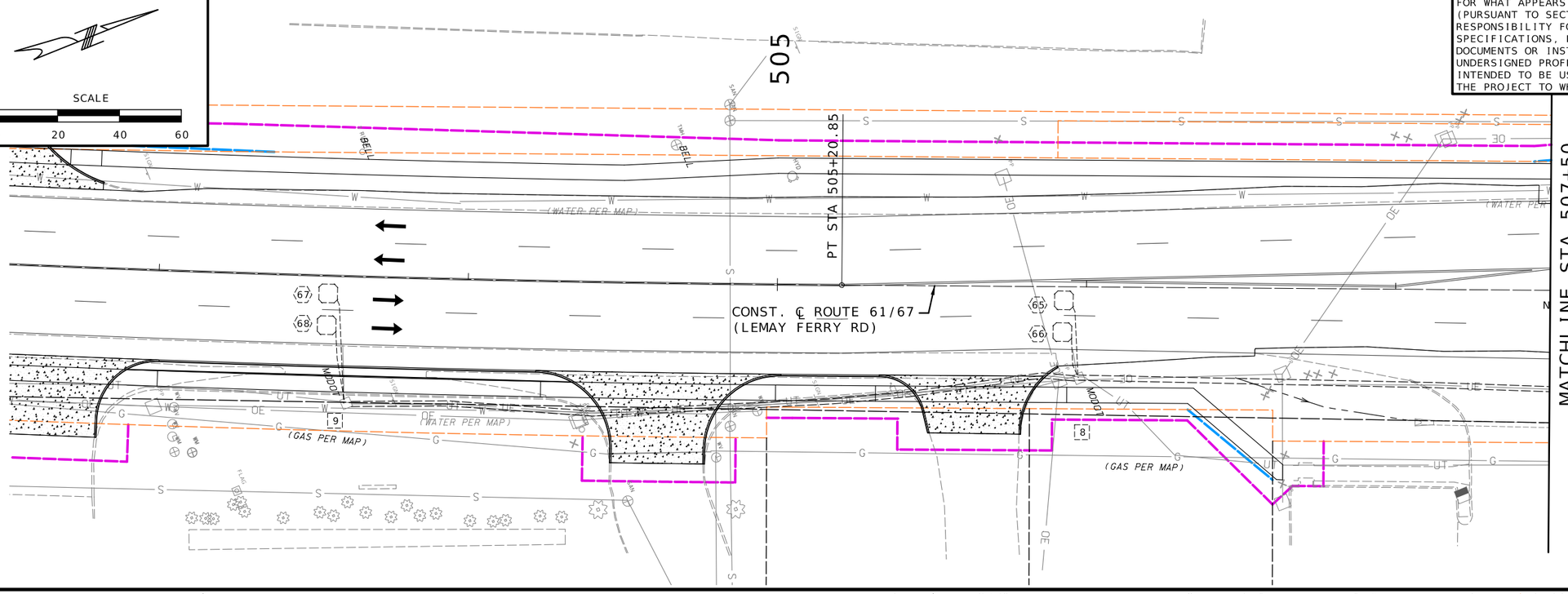
US ROUTE 61/67
LEMAY FERRY ROAD AT
BAUMGARTNER RD/
MERAMEC BOTTOM RD

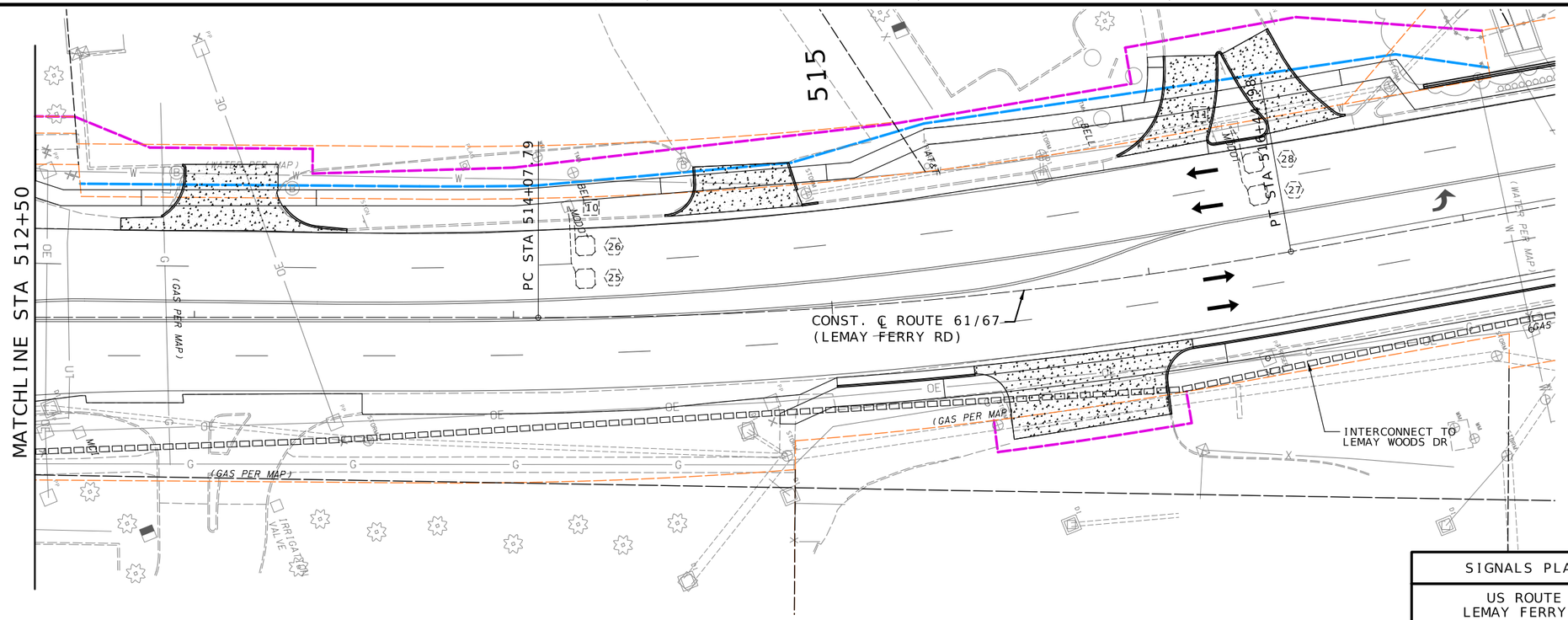
SCALE

0 20 40 60

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JOHN A. HOCK
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DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	129

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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SIGNALS PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD AT
BAUMGARTNER RD/
MERAMEC BOTTOM RD

EFFECTIVE: 07-01-2018

POST NUMBER	PULL BOX NUMBER	LOCATION: APPROACH	LOCATION: STATION	LOCATION: OFFSET	BASE: A (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE: F (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE: C	STANCHION	CONCRETE** (CU. YDS.)	PULL BOX: PREFORMED CONCRETE: CLASS 1	CLASS 2	CLASS 3	CLASS 5	STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	DRAIN TYPE*: I	II: A	II: B	II: C	TOP MOUNT POST: 8 FT.	15 FT.	POST: TYPE C & CL: STANCHION
			CONTROLLER	(AS REQ'D)																			
5		ROUTE 61/67	510+52	37' RT				1	0.07														1
6		ROUTE 61/67	510+39	43' RT				1	0.07														1
7		ROUTE 61/67	510+52	40' LT				1	0.07														1
8		ROUTE 61/67	510+39	55' LT				1	0.07														1
9		ROUTE 61/67	509+65	48' LT				1	0.07														1
10		ROUTE 61/67	509+51	40' LT				1	0.07														1
11		ROUTE 61/67	509+51	38' RT				1	0.07														1
12		ROUTE 61/67	509+60	51' RT				1	0.07														1
				SUBTOTAL					0.56														8
				TOTAL					0.6														8

POST: TYPE C & CL: ARM LENGTH (A / A / A) | SIGNAL SPACING (B / C / D / D') | SIGN SPACING (B / C / D / D')

POST: TYPE B & BL: ARM LENGTH (E / K / E / K / E / K) | LEFT ARM E: SIGNAL SPACING (F / G / H / H') | LEFT ARM E: SIGN SPACING (F / G / H / H') | RIGHT ARM K: SIGNAL SPACING (L / M / N / N') | RIGHT ARM K: SIGN SPACING (L / M / N / N') | INCLUDED ANGLE | LUMINAIRE BRACKET ARM*: 4 FT. / 6 FT. / 8 FT. / 10 FT. / 12 FT. / 15 FT.

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	INDICATIONS *: 12" LENS CONVENTIONAL: R	Y	YL	YRt	FYL	FYR	G	S	L	Rt	12" LENS OPTICAL LIMITING: R	Y	YL	YRt	FYL	FYR	G	S	L	Rt	VISORS *: 12" LENS	PED.	LOUVERS *: A	B	C	D	E	F	BACKPLATE*: LENSES: 1	2	3	4	5	LENSES: 1	2	3	4	5	BRACKET*: TYPE: I	II	III
	1	63												1											1																		
	1	84												1											1																		
	2	83												1											1																		
	2	24												1											1																		
	3	23												1											1																		
	3	44												1											1																		
	4	64												1											1																		
	4	43												1											1																		
				SUBTOTAL																																							
				TOTAL																																							

ONE-FACE SECTION: 1- (T / S / C / B) | 3- (T / S / C / B) | 4- (T / S / C / B) | 5- (T / S / C / B)

TWO-FACE SECTIONS: 11- (T / S / B) | 33- (T / S / C / B) | 34- (S / B) | 35- (S / B) | 44- (S / B) | 45- (S / B)

| | | | | | | | | | | | | | | | | | | |

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"		
∅	⊠	195							201								
⊠	1	10			28												DUAL 3" CONDUIT
1	2	40							38								
2	5	23							25								
2	6	15							17								
2	3	111							109								
3	7	13							15								
3	8	12							14								
3	4	88							86								
4	9	8							10								
4	10	21							23								
2	5	92							90								
5	11	7							9								
5	12	9							11								
SUBTOTALS																	
TOTALS					28				648								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				VIDEO	LUMINAIRE		DETECTOR		FIBER		REMARKS
			1c #8		2c #16	5c #16	7c #16	3c #16	VIDEO CABLE (1)	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
∅	⊠	195	633													
⊠	1	68							(146)							CAMERA V-1
⊠	2	171							(255)							CAMERA V-2
⊠	3	270							(360)							CAMERA V-3
⊠	4	153							(237)							CAMERA V-4
⊠	5	73			102											PUSH BUTTON 83
⊠	6	65			94											PUSH BUTTON 64
⊠	7	174			209											PUSH BUTTON 84
⊠	8	173			208											PUSH BUTTON 23
⊠	9	257			298											PUSH BUTTON 24
⊠	10	270			311											PUSH BUTTON 43
⊠	11	149			184											PUSH BUTTON 44
⊠	12	151			186											PUSH BUTTON 63
SUBTOTALS			633		1,592				(998)							
TOTALS			670		1,680				(1,050)							

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

INTERSECTION ROUTE 61/67 (LEMAY FERRY RD) AND BAUMGARTNER RD/MERAMEC BOTTOM RD

D-37B

STATE OF MISSOURI
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/28/2025

ROUTE 61/67 | STATE MO

DISTRICT SL | SHEET NO. 131

COUNTY ST. LOUIS

JOB NO. J6S3578

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)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

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

EFFECTIVE: 04-01-2018

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

ATC TRAFFIC SIGNAL CONTROLLER
TOTAL = 1 EACH

TYPE 2 POWER SUPPLY
TOTAL = 1 EACH

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
ROUTE 61/67	512+39	38' RT	Type 2	902.15K	15 Amps	15 Amps	100 Amps	Amps		Amps	Cl. Ft.	AMEREN
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. 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										
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170	FIBER		E	EV	DOUBLE	332	336S	BITRAN	WAPITI
ROUTE 61/67	510+60	96' RT			1									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)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8
Ø1 NBL	Ø2 SBT	Ø3 WBL	Ø4 EBT	Ø5 SBL	Ø6 NBT	Ø7 EBL	Ø8 WBT
9	10	11	12	13	14	15	16
OLA NBL	OLB WBL	OLC SBL	OLD EBL	Ø2 PED	Ø4 PED	Ø6 PED	Ø8 PED

SIGNAL SIGNS

QUANTITY	MUTCD SIGN NUMBER	SIZE	AREA	SIGN TOTAL AREA ITEM NO. 90208.33	SIGNAL SIGN MOUNTING HARDWARE ITEM NO. 90208.34
		INCHES	SQ.FT.	SQ.FT.	EA.
	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			
8	R10-3E**	9 X 15	0.9	7.2	8
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	7.2	0
			TOTAL	8	0

NOTE:
**NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			VIDEO (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
10	NB LEMAY FERRY RD					V1
21	SB LEMAY FERRY RD					V3
22	SB LEMAY FERRY RD					V3
23	SB LEMAY FERRY RD	1				
24	SB LEMAY FERRY RD	1				
30	WB BAUMGARTNER RD					V2
41	EB MERAMEC BOTTOM RD					V4
42	EB MERAMEC BOTTOM RD					V4
43	EB MERAMEC BOTTOM RD	1				
44	EB MERAMEC BOTTOM RD	1				
50	SB LEMAY FERRY RD					V3
61	NB LEMAY FERRY RD					V1
62	NB LEMAY FERRY RD					V1
63	NB LEMAY FERRY RD	1				
64	NB LEMAY FERRY RD	1				
70	EB MERAMEC BOTTOM RD					V4
81	WB BAUMGARTNER RD					V2
82	WB BAUMGARTNER RD					V2
83	WB BAUMGARTNER RD	1				
84	WB BAUMGARTNER RD	1				
TOTAL		8				(3)

170 INPUT FILE ASSIGNMENTS

	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U														
	L														
"J"	U														
	L														

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

170 OUTPUT FILE ASSIGNMENTS

FR1								MONITOR
FR2								
FR3								
FR4								

170 AUXILIARY OUTPUT FILE

FR5							X
FR6							X

ROUTE 61/67 (LEMAY FERRY RD) AND BAUMGARTNER RD/MERAMEC BOTTOM RD INTERSECTION

D-37C

STATE OF MISSOURI JOHN A. HOCK NUMBER E-23292 REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/28/2025

ROUTE 61/67 | STATE MO

DISTRICT SL | SHEET NO. 132

COUNTY ST. LOUIS

JOB NO. J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION | DATE | REV.

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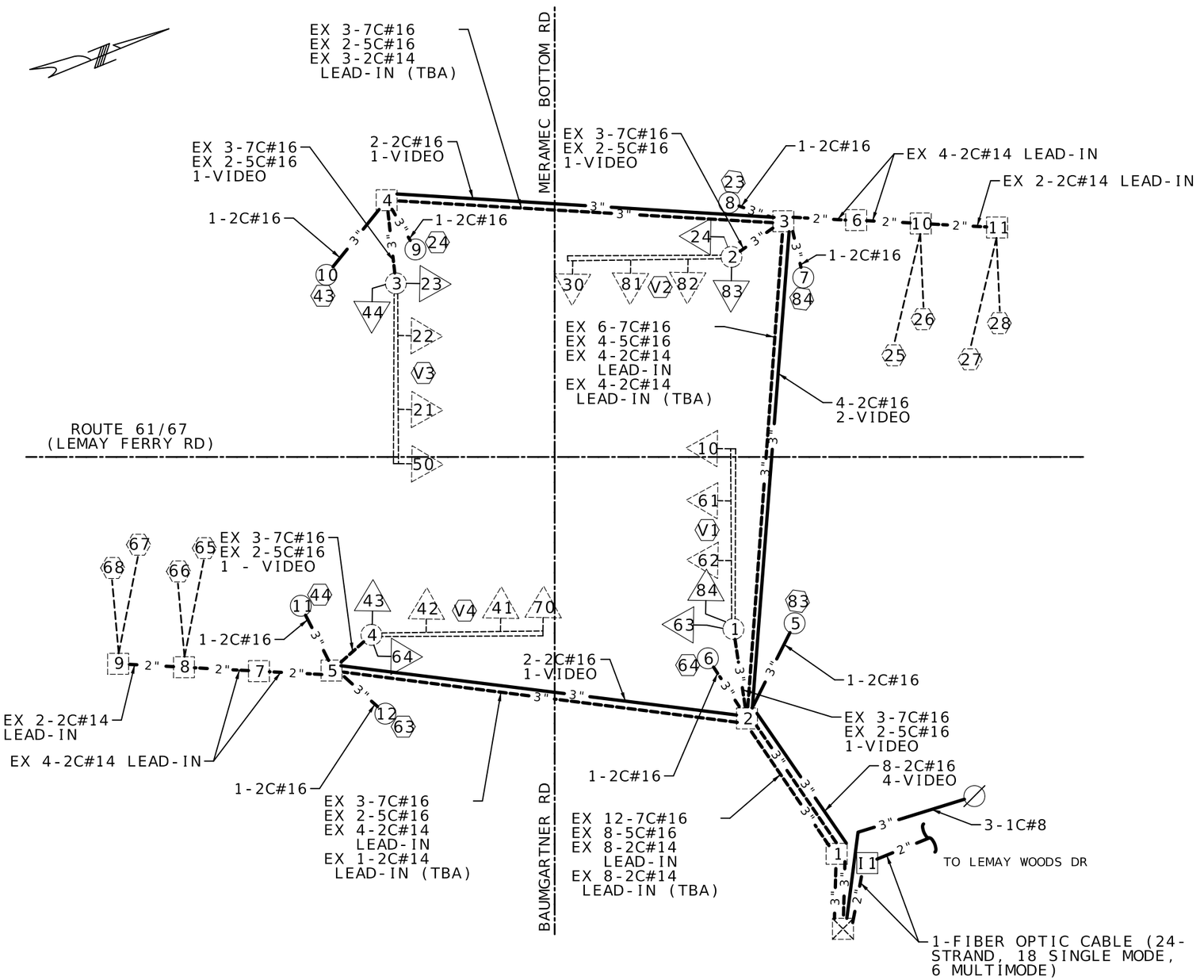
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

EFFECTIVE: 12-01-2017

WIRING DIAGRAM



LEGEND

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

ROUTE 61/67 (LEMAY FERRY RD) AND BAUMGARTNER RD/MERAMEC BOTTOM RD

INTERSECTION

D-37D

STATE OF MISSOURI
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 7/28/2025

ROUTE	STATE
61/67	MO

DISTRICT	SHEET NO.
SL	133

COUNTY: ST. LOUIS

JOB NO.: J6S3578

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

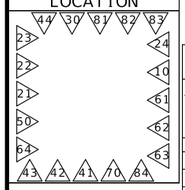
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
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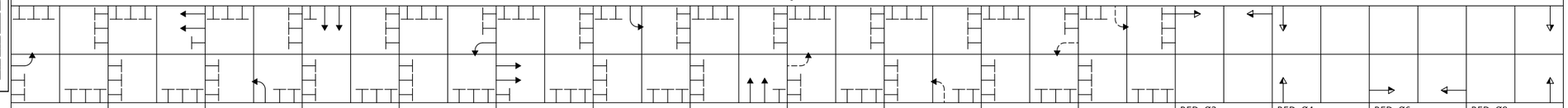
REV.

EFFECTIVE: 12-01-2017

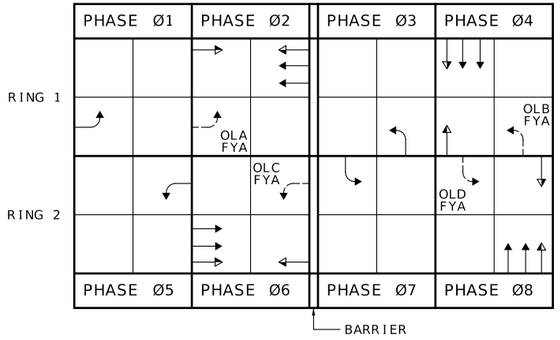
SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS



	PHASE Ø1	PHASE Ø2	PHASE Ø3	PHASE Ø4	PHASE Ø5	PHASE Ø6	PHASE Ø7	PHASE Ø8	OVERLAP A	OVERLAP B	OVERLAP C	OVERLAP D	PED Ø2	PED Ø4	PED Ø6	PED Ø8	
FACE NUMBERS	10	21 22	30	41 42	50	61 62	70	81 82									FACE NUMBERS
SIGNAL INDICATIONS R		R		R		R		R	RL	RL	RL	RL	DW	DW	DW	DW	R
SIGNAL INDICATIONS Y		Y		Y		Y		Y	YL	YL	YL	YL	FDW	FDW	FDW	FDW	Y
SIGNAL INDICATIONS FYA									FYL	FYL	FYL	FYL					FYA
SIGNAL INDICATIONS G	L	G	L	G	L	G	L	G					W	W	W	W	G
DETECTOR ASSIGNMENTS	10	21 22	30	41 42	50	61 62	70	81 82									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)													23 24	43 44	63 64	83 84	
OVERLAP PARENT PHASES									Ø2		Ø4		Ø6		Ø8		



RING STRUCTURE

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

LEGEND

→	ACTUATED VEHICULAR MOVEMENT
→	PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
→	NON-ACTUATED VEHICULAR MOVEMENT
→	PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
→	ACTUATED PEDESTRIAN MOVEMENT
→	NON-ACTUATED PEDESTRIAN MOVEMENT
⊣	VEHICLE STOPPED
FDW	FLASHING DON'T WALK
W	WALK
DW	DON'T WALK
R/W	RIGHT OF WAY INTERVAL
YRt	YELLOW RIGHT ARROW
Rt.	GREEN RIGHT ARROW
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
FYR	FLASHING YELLOW RIGHT ARROW

FLASHING OPERATION	
LEMAY FERRY RD	FR
BAUMGARTNER RD/MERAMEC BOTTOM RD	FR

CONTROLLER TYPE	NEMA 8 PHASE

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
ROUTE 61/67 (LEMAY FERRY RD)
WITH BAUMGARTNER RD/MERAMEC BOTTOM RD

D-38A

STATE OF MISSOURI
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	134

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

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ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
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Missouri State Engineering Corporation #001523
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SCALE

0 20 40 60

POSTED SPEED LIMTS:
LEMAY FERRY RD 45 MPH
LEMAY WOODS DR 25 MPH

RESIDENTIAL

530

D3-1 SIGN
"LEMAY WOODS DR"

20' MAST ARM

D3-1 SIGN
"LEMAY FERRY RD"

EXIST ROW

EXIST ROW

(WATER PER MAP)

CONST. ℄ ROUTE 61/67
(LEMAY FERRY RD)

NEXT SIGNAL
0.8 MILES

35' MAST ARM

R10-27A SIGN

NEXT SIGNAL
2000'

11' 11'

2.3%

VARIES

11' 11'

N11°30'00"E

2.0%

11' 11' 10' 11'

35' MAST ARM

(GAS PER MAP)

R 40'

R 50'

INTERCONNECT TO
MERAMEC BOTTOM RD/
BAUMGARTNER RD

D3-1 SIGN
"LEMAY WOODS DR"

EXIST STOP SIGN
(TBR)

EXIST STREET NAME
SIGN (TBR)

EXIST ROW

EXIST ROW

LEMAY WOODS DR

EXIST ROW

COMMERCIAL

RESIDENTIAL

6' 5' 12' 11' 11'
LANE LT TURN LANE RT TURN LANE

BIKE LANE

2.5%

NO SIGNAL

R10-3eR
62
INSTALLED ABOVE PUSH BUTTONS

R10-3eL
63

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) ANY RESPONSIBILITY FOR ALL OTHER PLANS, 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

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	135

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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SIGNALS PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD AT
LEMAY WOODS DR

EFFECTIVE: 07-01-2018

| POST NUMBER | PULL BOX NUMBER | LOCATION APPROACH | LOCATION STATION | LOCATION OFFSET | BASE A 9 | BASE A 9.5 | BASE A 10 | BASE A 10.5 | BASE A 11 | BASE A 12 | BASE F 9 | BASE F 9.5 | BASE F 10 | BASE F 10.5 | BASE F 11 | BASE F 12 | BASE C | STANCHION | CONCRETE** (CU. YDS.) | PULL BOX PREFORMED CONCRETE CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | STANDARD | DOUBLE, TYPE A | DOUBLE, TYPE B | DRAIN TYPE* I | DRAIN TYPE* II A | DRAIN TYPE* II B | DRAIN TYPE* II C | TOP MOUNT POST 8 FT. | TOP MOUNT POST 15 FT. | STANCHION | TYPE C & CL 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' | LEFT ARM E 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' | RIGHT ARM K SIGN SPACING L | SIGN SPACING M | SIGN SPACING N | SIGN SPACING N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM* 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 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"		
⊘	⊠	7		11													
⊠	1	3			14												
1	1	19			23												
1	2	87							85								
2	2	5			9												
2	3	62			60												
3	3	14			18												
1	4	103							101								
4	4	9			13												
SUBTOTALS				11	137				186								
TOTALS				11	137				186								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				VIDEO	LUMINAIRE		DETECTOR		FIBER		REMARKS
			1C #8		2c #16	5c #16	7c #16	3c #16	VIDEO CABLE (1)	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
⊘	⊠	7	69													
⊠	1	22				46										PEDESTRIAN HEAD 63
⊠	1	22			45											PUSH BUTTON 62
⊠	2	95					171									SIGNAL HEAD 50
⊠	2	95					161									SIGNAL HEAD 21
⊠	2	95					150									SIGNAL HEAD 22
⊠	2	95					128									SIGNAL HEAD 30
⊠	2	95							(168)							VIDEO DETECTOR V2
⊠	2	95								115	90					LUMINAIRE 2
⊠	3	166					232									SIGNAL HEAD 31
⊠	3	166					220									SIGNAL HEAD 32
⊠	3	166							(241)							VIDEO DETECTOR V3
⊠	3	166								192	90					LUMINAIRE 3
⊠	4	115					188									SIGNAL HEAD 60
⊠	4	115					177									SIGNAL HEAD 61
⊠	4	115				145										PEDESTRIAN HEAD 62
⊠	4	115			144											PUSH BUTTON 63
⊠	4	115							(197)							VIDEO DETECTOR V4
⊠	4	115								135	90					LUMINAIRE 4
SUBTOTALS			69		189	191	1,426		(606)	442	270					
TOTALS			80		200	210	1,500		(640)	470	290					

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

INTERSECTION ROUTE 61/67 (LEMAY FERRY RD) AND LEMAY WOODS DR

D-37B

STATE OF MISSOURI
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/28/2025

ROUTE 61/67 | STATE MO

DISTRICT SL | SHEET NO. 137

COUNTY ST. LOUIS

JOB NO. J6S3578

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)

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ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
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F. 636 537 0275

EFFECTIVE: 04-01-2018

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

ATC TRAFFIC SIGNAL CONTROLLER
TOTAL = 1 EACH

TYPE 2 POWER SUPPLY
TOTAL = 1 EACH

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
ROUTE 61/67	528+88	54' RT	Type 2	902.15K	15 Amps	15 Amps	100 Amps	Amps	1	20 Amps	Cl. Ft.	AMEREN
			Type		15 Amps	Amps	Amps	Amps		Amps	Cl. 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 61/67	528+86	47' RT			1									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)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8
NOT USED	Ø2 SBT	Ø3 WBL	NOT USED	Ø5 SBL	Ø6 NBT	NOT USED	NOT USED
9	10	11	12	13	14	15	16
NOT USED	OLB WBR	OLC SBL	NOT USED	NOT USED	NOT USED	Ø6 PED	NOT USED

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		
3	D3-1 ***	VAR. X 18		27.0	3
	D3-1B ***	VAR. X 18			
2	R10-3E**	9 X 15	0.9	1.8	2
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
1	R10-27A	30 X 36	7.5	7.5	1
			SUBTOTAL	36.3	4
			TOTAL	37	4

NOTE:
**NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			VIDEO (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
21	SB LEMAY					V2
22	SB LEMAY					V2
31	WB LEMAY WOODS					V3
82	WB LEMAY WOODS					V3
50	SBL LEMAY					V2
60	NB LEMAY					V4
61	NB LEMAY					V4
62	NB LEMAY	1				
63	NB LEMAY	1				
TOTAL		2				(3)

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

170 INPUT FILE ASSIGNMENTS

	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U														
	L														
"J"	U														
	L														

* 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 SHOWN 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.

170 OUTPUT FILE ASSIGNMENTS

FR1								MONITOR
FR2								
FR3								
FR4								

170 AUXILIARY OUTPUT FILE

FR5							X
FR6							X

ROUTE 61/67 (LEMAY FERRY RD) AND LEMAY WOODS DR
INTERSECTION

D-37C

JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER
STATE OF MISSOURI
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 7/28/2025
ROUTE: 61/67 | STATE: MO
DISTRICT: SL | SHEET NO.: 138
COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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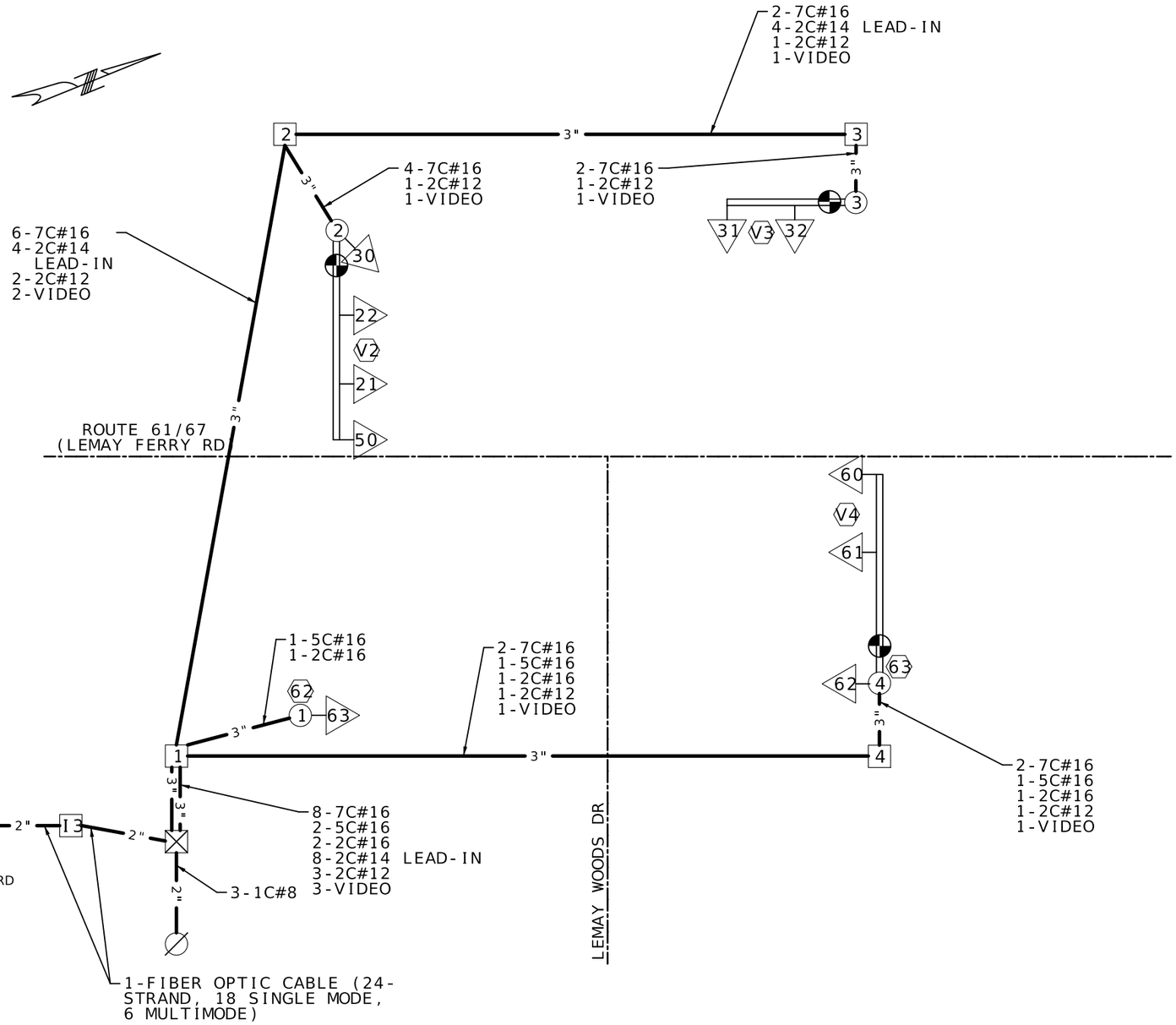
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523

EFFECTIVE: 12-01-2017

WIRING DIAGRAM



LEGEND

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

ROUTE 61/67 (LEMAY FERRY RD) AND LEMAY WOODS DR

INTERSECTION

D-37D

STATE OF MISSOURI
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER

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DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	139

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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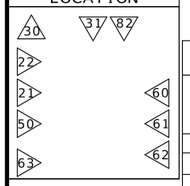
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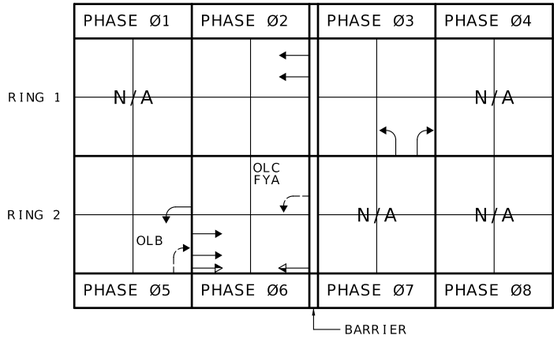
EFFECTIVE: 12-01-2017

TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

SIGNAL FACE LOCATION



		PHASE Ø2	PHASE Ø3	PHASE Ø5	PHASE Ø6	PHASE	PHASE	PHASE	PHASE	PED Ø OVERLAP B	PED Ø OVERLAP C	PED Ø6 OVERLAP	PED Ø OVERLAP	
FACE NUMBERS		21 22	30 32 31	50	60 61					32	50	62 63		FACE NUMBERS
SIGNAL INDICATIONS	R	R	R R		R						RL	DW		R
	Y	Y	YL Y		Y					YRt	YL			Y
	FYA										FYL			FYA
	G	G	L G	L	G					Rt		W		G
DETECTOR ASSIGNMENTS		21 22	31 32	50	60 61									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)												62 63		
OVERLAP PARENT PHASES										5	6	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
YRt — YELLOW RIGHT ARROW
Rt. — GREEN RIGHT ARROW
YL — YELLOW LEFT ARROW
L — GREEN LEFT ARROW
S — GREEN STRAIGHT AHEAD ARROW
G — CIRCULAR GREEN
Y — CIRCULAR YELLOW
R — CIRCULAR RED
RL — RED LEFT ARROW
Ø — TRAFFIC PHASE
AO — ALL OTHERS
FR — FLASHING RED
FY — FLASHING CIRCULAR YELLOW
FYL — FLASHING YELLOW LEFT ARROW
FYR — FLASHING YELLOW RIGHT ARROW

FLASHING OPERATION	
LEMAY FERRY RD	FR
BAUMGARTNER RD/MERAMEC BOTTOM RD	FR
CONTROLLER TYPE	NEMA 8 PHASE

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
ROUTE 61/67 (LEMAY FERRY RD)
WITH LEMAY WOODS DR

D-38A

STATE OF MISSOURI
JOHN A. HOCK
NUMBER E-23292
REGISTERED PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED: 7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	140

COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

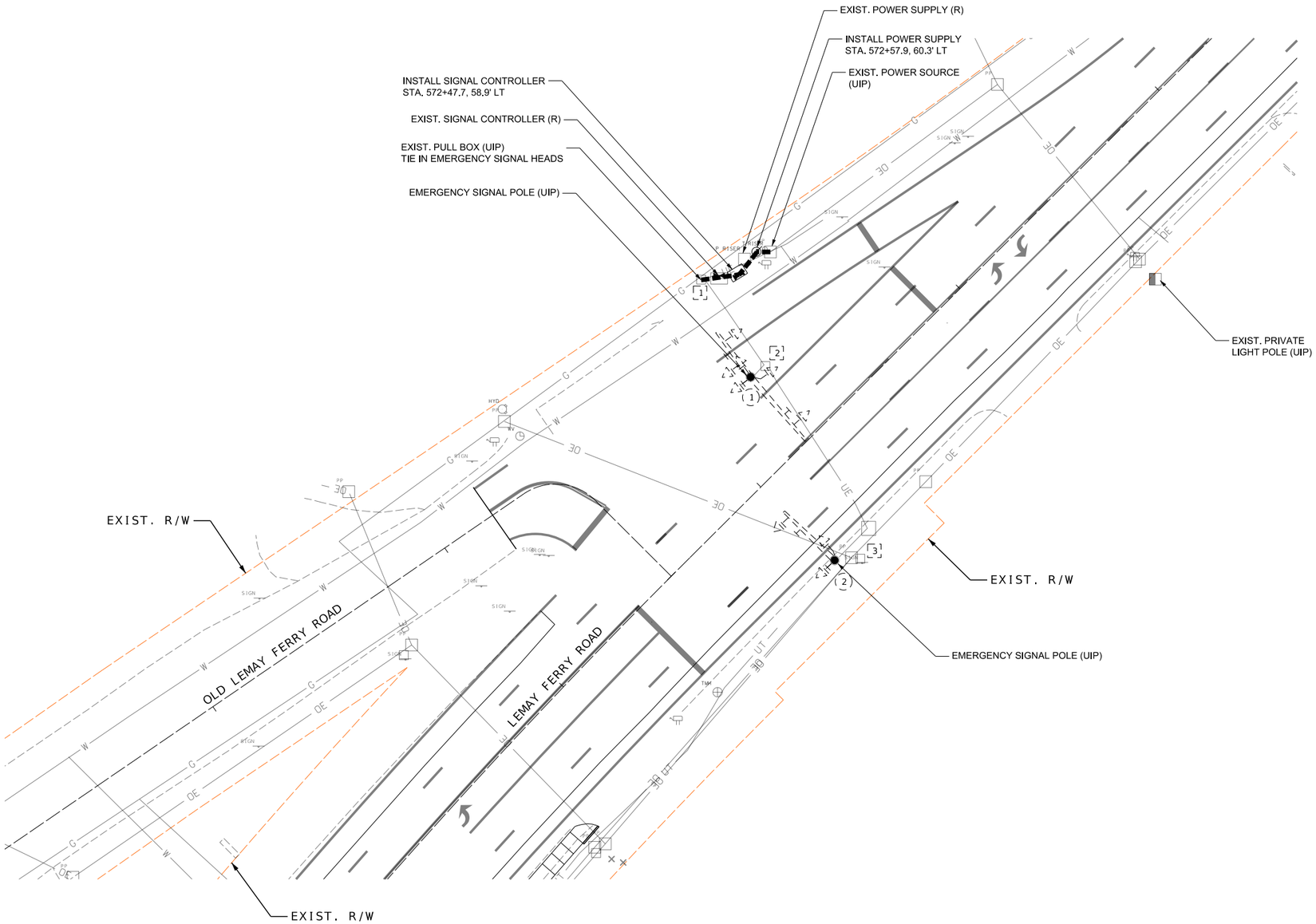
EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
T. 636 537 5585
F. 636 537 0275
Missouri State Engineering Corporation #001523

REV.

SCALE

0 20 40 60

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OLD LEMAY FERRY ROAD
LEMAY FERRY ROAD

SHEET 15 OF 79

SIGNAL PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD AT
OLD LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	141

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
16305 SWINGLEY RIDGE RD
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CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	LOCATION APPROACH	LOCATION STATION	LOCATION OFFSET	BASE A 9	BASE A 9.5	BASE A 10	BASE A 10.5	BASE A 11	BASE A 12	BASE F 9	BASE F 9.5	BASE F 10	BASE F 10.5	BASE F 11	BASE F 12	BASE C	CONCRETE** (CU. YDS.)	PULL BOX PREFORMED CLASS 1	PREFORMED CLASS 2	PREFORMED CLASS 3	PREFORMED CLASS 5	CONCRETE STANDARD	CONCRETE DOUBLE, TYPE A	CONCRETE DOUBLE, TYPE B	DRAIN TYPE* I	DRAIN TYPE* II A	DRAIN TYPE* II B	DRAIN TYPE* II C	TOP MOUNT POST 8 FT.	TOP MOUNT POST 15 FT.
	☒	ROUTE 61/67	572+47.7	58.9' LT														1.93														
	☐	EXISTING																														
(1)		EXISTING																														
SUBTOTAL																		1.93														
TOTAL																		2.0														

POST

TYPE C & CL ARM LENGTH A	A	A	A	TYPE C & CL SIGNAL SPACING B	C	D	D'	TYPE C & CL SIGN SPACING B	C	D	D'	TYPE B & BL ARM LENGTH E	K	E	K	E	K	LEFT ARM E SIGNAL SPACING F	G	H	H'	LEFT ARM E SIGN SPACING F	G	H	H'	RIGHT ARM K SIGNAL SPACING L	M	N	N'	RIGHT ARM K SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.

NOTE:

SIGNAL & SIGN SPACING SHOWN IS APPROXIMATE. CONTRACTOR SHALL ADJUST AS NECESSARY.

SIGNAL HEADS

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

EFFECTIVE: 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"		
∅	$\varnothing_{UPS}$	(5')			(13')												FOR INFORMATIONAL PURPOSES
$\varnothing_{UPS}$	☒	11'			15'												
☒	☒	13'			32'												2-3" CONDUIT
SUBTOTALS					47'												
TOTALS					47'												

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
			1c#2	1c#8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	VIDEO (1)	CCTV	SINGLE-MODE	MULTI-MODE	
∅	$\varnothing_{UPS}$	(5')		(63')												FOR INFORMATIONAL PURPOSES
$\varnothing_{UPS}$	☒	11'		81'												3-1c#6 CABLES
SUBTOTALS				81'												
5% FOR SNAKING				85'												
TOTALS				90'												

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

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INTERSECTION US ROUTE 61/67 AND OLD LEMAY FERRY ROAD

SIGNAL SHEET

US ROUTE 61/67
OLD LEMAY FERRY ROAD
SIGNAL QUANTITIES

D-37B

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025

ROUTE 61/67 | STATE MO

DISTRICT SL | SHEET NO. 143

COUNTY ST. LOUIS

JOB NO. J6S3578

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)

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

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EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
ROUTE 61/67	572+57.9	60.3' LT	Type	1	15 Amps	15 Amps	100 Amps	100 Amps	1	15 Amps	Ci. Ft.	EX
			Type		Amps	Amps	Amps	Amps		Amps	Ci. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH TYPE		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
ROUTE 61/67	572+47.7	58.9' LT			1									1			1					

ATC TRAFFIC SIGNAL CONTROLLER

TOTAL = 1 EACH

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

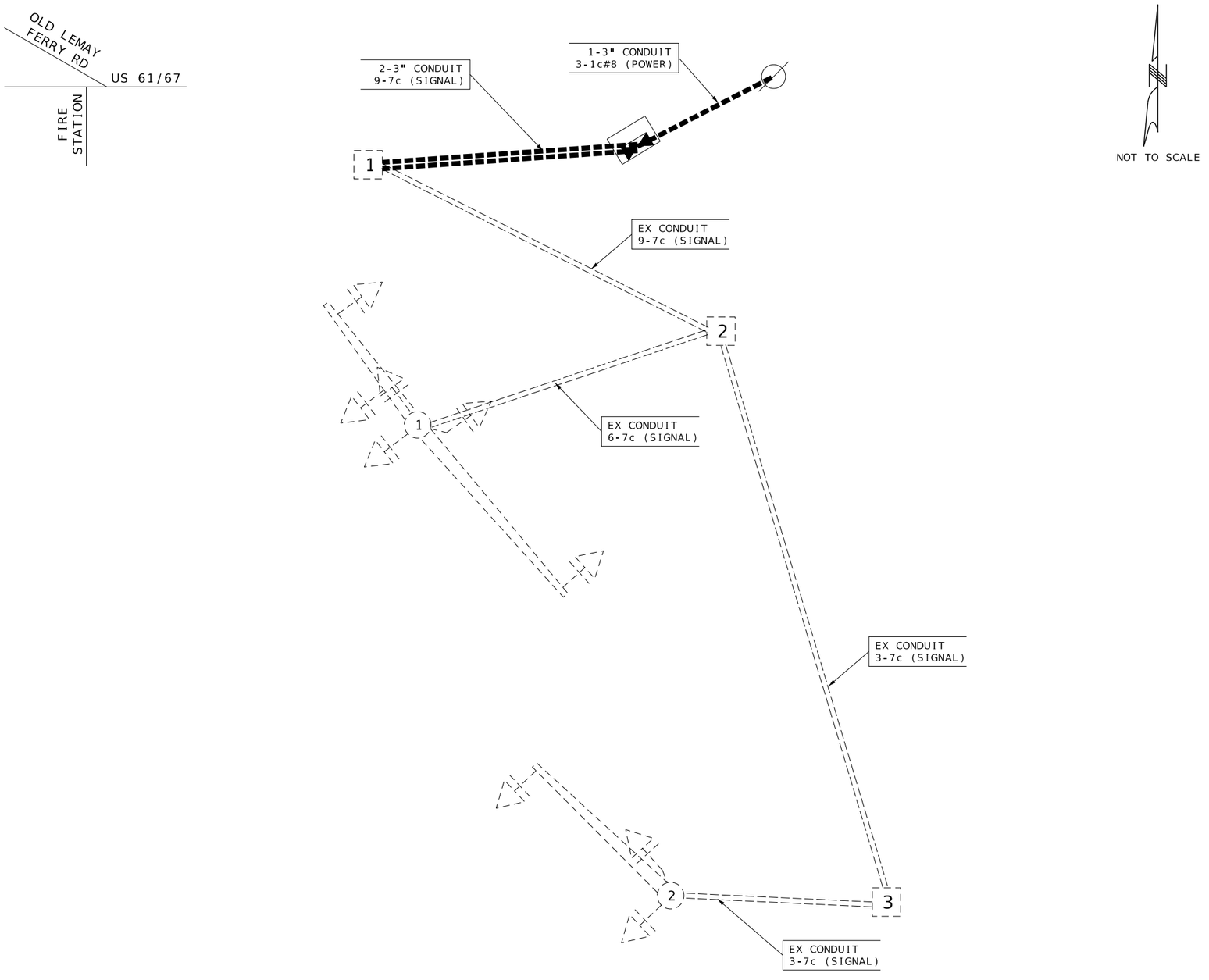
TOTAL = 1 EACH

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	

EFFECTIVE 12-01-17

WIRING DIAGRAM



NOT TO SCALE

US ROUTE 61/67 & OLD LEMAY FERRY ROAD

INTERSECTION

LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTOR
	CCTV

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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	145

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
.

BRIDGE NO.
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DATE	DESCRIPTION
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

SHEET 19 OF 79

SIGNAL SHEET

US ROUTE 61/67
OLD LEMAY FERRY ROAD
SIGNAL QUANTITIES

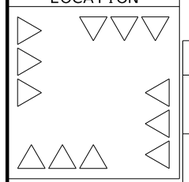
D-37D

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

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SIGNAL FACE LOCATION

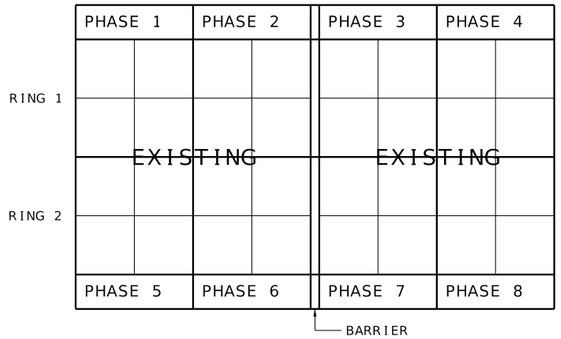


TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

EXISTING PHASING AND COLOR SEQUENCE

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP
FACE NUMBERS												
SIGNAL INDICATIONS R												
SIGNAL INDICATIONS Y												
SIGNAL INDICATIONS FYA												
SIGNAL INDICATIONS G												
DETECTOR ASSIGNMENTS												
DETECTOR ASSIGNMENTS (PEDS. ONLY)												
OVERLAP PARENT PHASES												

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



RING STRUCTURE

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

LEGEND

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

FLASHING OPERATION	
ROUTE 61/67	FY
OLD LEMAY FERRY ROAD	FY

CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF

ROUTE 61/67 & OLD LEMAY FERRY ROAD

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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	146

COUNTY: ST. LOUIS

JOB NO.: J6S3578

CONTRACT ID.: .

PROJECT NO.: .

BRIDGE NO.: .

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

GBA
16305 SWINGLEY RIDGE RD
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

SHEET 20 OF 79

SIGNAL SHEET

US ROUTE 61/67
OLD LEMAY FERRY ROAD
SIGNAL QUANTITIES

D-38E

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

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SCALE
0 20 40 60

EXIST. LIGHT POLE (UIP)
EXIST. PULL BOX #3 (UIP)
EXIST. PEDESTAL POLE #3 (UIP)
EXIST. SIGNAL POLE #2 (UIP)
EXIST. LIGHTING PULL BOX (UIP)
EXIST. R/W
EXIST. R/W
EXIST. R/W
BUTLER HILL RD.
NEXT SIGNAL 1090' MIDAMERICA PLZ. SPEED LIMIT = 35 MPH
595
LEMAY FERRY ROAD
NEXT SIGNAL 3440' MATTIS RD. SPEED LIMIT = 45 MPH
12' LANE
11' LANE
EXIST. PRIVATE LIGHT POLE (UIP)
EXIST. PRIVATE LIGHT POLE (UIP)
INSTALL SIGNAL POLE #4 STA. 594+36.9, 45.3' RT.
INSTALL PULL BOX #4 STA. 594+62.4, 63.0' RT
EXIST. SIGNAL POLE (R)
INSTALL PEDESTAL POLE #5 STA. 594+29.1, 53.2' RT.
EXIST. PULL BOX (R) ABANDON CONDUIT/CABLING
T.C.E.
Lemay Ferry Rd (EX)
50' MAST ARM
Butler Hill Rd
30' MAST ARM
EXIST. R/W
BUTLER HILL RD.
NEXT SIGNAL N/A SPEED LIMIT = 25 MPH
MOUNT TO SIGNAL POLE (E)
EXIST. PULL BOX (R) ABANDON CONDUIT/CABLING
EXIST. PEDESTAL POLE (R)
EXIST. PULL BOX (UIP)
INSTALL SIGNAL POLE #1 STA. 593+75.9, 47.9' LT.
EXIST. SIGNAL CONTROLLER (R)
EXIST. POWER SUPPLY (R)
INSTALL CCTV CAMERA
INSTALL PULL BOX #1 STA. 593+47.3, 68.1' LT
INSTALL SIGNAL CONTROLLER STA. 593+41.3, 68.2' LT.
INSTALL POWER SUPPLY STA. 593+33, 63.6' RT.
INSTALL PULL BOX #2 STA. 593+67.9, 41.5' LT
EXIST. SIGNAL POLE (R)
EXIST. POWER SOURCE (UIP)
T.C.E.
50' MAST ARM
Butler Hill Rd
Lemay Ferry Rd
INSTALL SIGNAL POLE #6 STA. 593+80.1, 45.6' RT
EXIST. SIGNAL POLE (R)
INSTALL PULL BOX #5 STA. 593+70.4, 48.4' RT.
T.C.E.
LEMAY FERRY ROAD
NEXT SIGNAL 2735' OLD LEMAY FERRY RD. / DE STATION SPEED LIMIT = 45 MPH
(WATER PER MAP)
12' LANE
11' LANE

SIGN R10-3EL (A) OR SIGN R10-3ER (B)
INSTALLED ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

R3-5L (C)
ONLY

R10-27a (D)
LEFT TURN YIELD ON FLASHING ARROW

R10-11a (E)
NO TURN ON RED

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø8
LEMAY FERRY ROAD
BUTLER HILL ROAD

SHEET 21 OF 79

SIGNAL PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD AT
BUTLER HILL ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 147
COUNTY ST. LOUIS
JOB NO. J6S3578
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
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

c:\bms\gba-pw-01\regan hutchinson\dms13774\147_SG_07_J6S3578_i20.dgn 2:19:45 PM 07/25/2025

EFFECTIVE: 07/01/2018

| POST NUMBER | PULL BOX NUMBER | LOCATION: APPROACH | STATION | OFFSET | BASE: A 9 | A 9.5 | A 10 | A 10.5 | A 11 | A 12 | F 9 | F 9.5 | F 10 | F 10.5 | F 11 | F 12 | C | CONCRETE** (CU. YDS.) | PULL BOX: PREFORMED CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | CONCRETE STANDARD | DOUBLE, TYPE A | DOUBLE, TYPE B | DRAIN TYPE* I | II A | II B | II C | POST: TOP MOUNT POST 8 FT. | 15 FT. | TYPE C & CL: ARM LENGTH 30' | 50' | SIGNAL SPACING A | A | B | C | D | D' | SIGN SPACING B | C | D | D' | TYPE B & BL: ARM LENGTH E | K | E | K | E | K | LEFT ARM E: SIGNAL SPACING F | G | H | H' | SIGN SPACING F | G | H | H' | RIGHT ARM K: SIGNAL SPACING L | M | N | N' | SIGN SPACING L | M | N | N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM* 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE: 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"		
∅	∅ UPS	(28')			(36')											FOR INFORMATIONAL PURPOSES
∅ UPS	☒	9'			13'											
☒	1	6'			18'											2-3" CONDUIT
1	2	34'						32'								
2	1	10'			13'											
2	3	89'						87'								
3	2	17'			EX											
3	3	13'			EX											
2	5	89'						87'								
5	6	12'			15'											
5	4	95'						93'								
4	4	31'						34'								
4	5	35'						36'								
SUBTOTALS				59'			369'									
TOTALS				59'			369'									

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER*		REMARKS
			1c#2	1c#8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	VIDEO (1)	CCTV	SINGLE-MODE	MULTI-MODE	
∅	∅ UPS	(28')		(132')												FOR INFORMATIONAL PURPOSES
∅ UPS	☒	9'		75'												3-1C#6 CABLES
☒	1	50'					140'									SIGNAL HEAD 51
☒	1	50'					129'									SIGNAL HEAD 21
☒	1	50'					97'									SIGNAL HEAD 22
☒	1	50'					84'									SIGNAL HEAD 32
☒	1	50'				81'										PEDESTRIAN HEAD 23
☒	1	50'			79'											PUSH BUTTON 23
☒	1	50'										(123')				VIDEO V-4
☒	1	50'											130'			CCTV
☒	2	146'										(195')				VIDEO V-1
☒	4	285'					388'									SIGNAL HEAD 11
☒	4	285'					376'									SIGNAL HEAD 12
☒	4	285'					364'									SIGNAL HEAD 61
☒	4	285'					352'									SIGNAL HEAD 62
☒	4	285'				328'										PEDESTRIAN HEAD 35
☒	4	285'			326'											PUSH BUTTON 35
☒	4	285'										(370')				VIDEO V-2
☒	5	257'				300'										PEDESTRIAN HEAD 63
☒	5	257'			298'											PUSH BUTTON 63
☒	6	139'					213'									SIGNAL HEAD 41
☒	6	139'					201'									SIGNAL HEAD 42
☒	6	139'					179'									SIGNAL HEAD 43
☒	6	139'					179'									SIGNAL HEAD 52
☒	6	139'				176'										PEDESTRIAN HEAD 64
☒	6	139'			174'											PUSH BUTTON 64
☒	6	139'										(205')				VIDEO V-3
SUBTOTALS			75'	877'	885'	2702'						(893')	130'			
5% FOR SNAKING			79'	921'	929'	2837'						(938')	137'			
TOTALS			80'	930'	930'	2840'						(940')	140'			

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

* SEE ITS PLANS FOR QUANTITIES

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INTERSECTION US ROUTE 61/67 AND BUTLER HILL ROAD

SHEET 23 OF 79

SIGNAL SHEET

US ROUTE 61/67
BUTLER HILL ROAD
SIGNAL QUANTITIES

D-37B

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 7/25/2025

ROUTE 61/67 | STATE MO

DISTRICT SL | SHEET NO. 149

COUNTY ST. LOUIS

JOB NO. J6S3578

CONTRACT ID. .

PROJECT NO. .

BRIDGE NO. .

REV.	DESCRIPTION	DATE
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.	.	.
.	.	.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GBA
16305 SWINGLEY RIDGE RD
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CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

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

c:\bms\gba-pw-01\regan hutchinson\dms13774\149_SG_07b_J6S3578_i20.dgn 7/25/2025

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EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
ROUTE 61/67	593+33.0	63.6' RT	Type	1	15 Amps	15 Amps	100 Amps	100 Amps	1	15 Amps	Cl. Ft.	EX
			Type		Amps	Amps	Amps	Amps		Amps	Cl. 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 61/67	593+41.3	68.2' LT			1									1			1					

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

ATC TRAFFIC SIGNAL CONTROLLER
TOTAL = 1 EACH

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY
TOTAL = 1 EACH

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		
3	R3-5L	30 X 36	7.5	22.5	3
	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		
1	R3-6	30 X 36	7.5	7.5	1
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
2	R10-3eL**	9 X 15	0.9	(1.8)	(2)
2	R10-3eR**	9 X 15	0.9	(1.8)	(2)
1	R10-11A	24 X 30	5.0	5.0	1
	R10-13	36 X 24	6.0		
1	R10-27A	30 X 36	7.5	7.5	1
			SUBTOTAL	42.5	6
			TOTAL	43	6

**NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

CCTV CAMERA ASSEMBLY
TOTAL = 1 EACH

INSTALL CCTV CAMERA ASSEMBLY
TOTAL = 1 EACH

CCTV EXTENSION POLE, 20 FT. METALLIC FINISH
TOTAL = 1 EACH

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
21, 22, 51	SB ROUTE 61/67					V4
11, 12, 61, 62	NB ROUTE 61/67					V2
31	WB BUTLER HILL RD					V1
41, 42	EB BUTLER HILL RD					V3
23	BUTLER HILL RD	1				
35	ROUTE 61/67	1				
63	BUTLER HILL RD	1				
64	BUTLER HILL RD	1				
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 SHOWN 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.

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)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
∅1 NBL	∅2 SBT	∅3 WB	∅4 EB	∅5 SBL	∅6 WBT	NOT USED	NOT USED	NOT USED	NOT USED	OLC FYA	NOT USED	∅2 PED	NOT USED	∅6 PED	∅3 PED

SHEET 24 OF 79

ROUTE 61/67 & BUTLER HILL ROAD
INTERSECTION

SIGNAL SHEET

US ROUTE 61/67
BUTLER HILL ROAD
SIGNAL QUANTITIES

D-37C

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 7/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 150
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

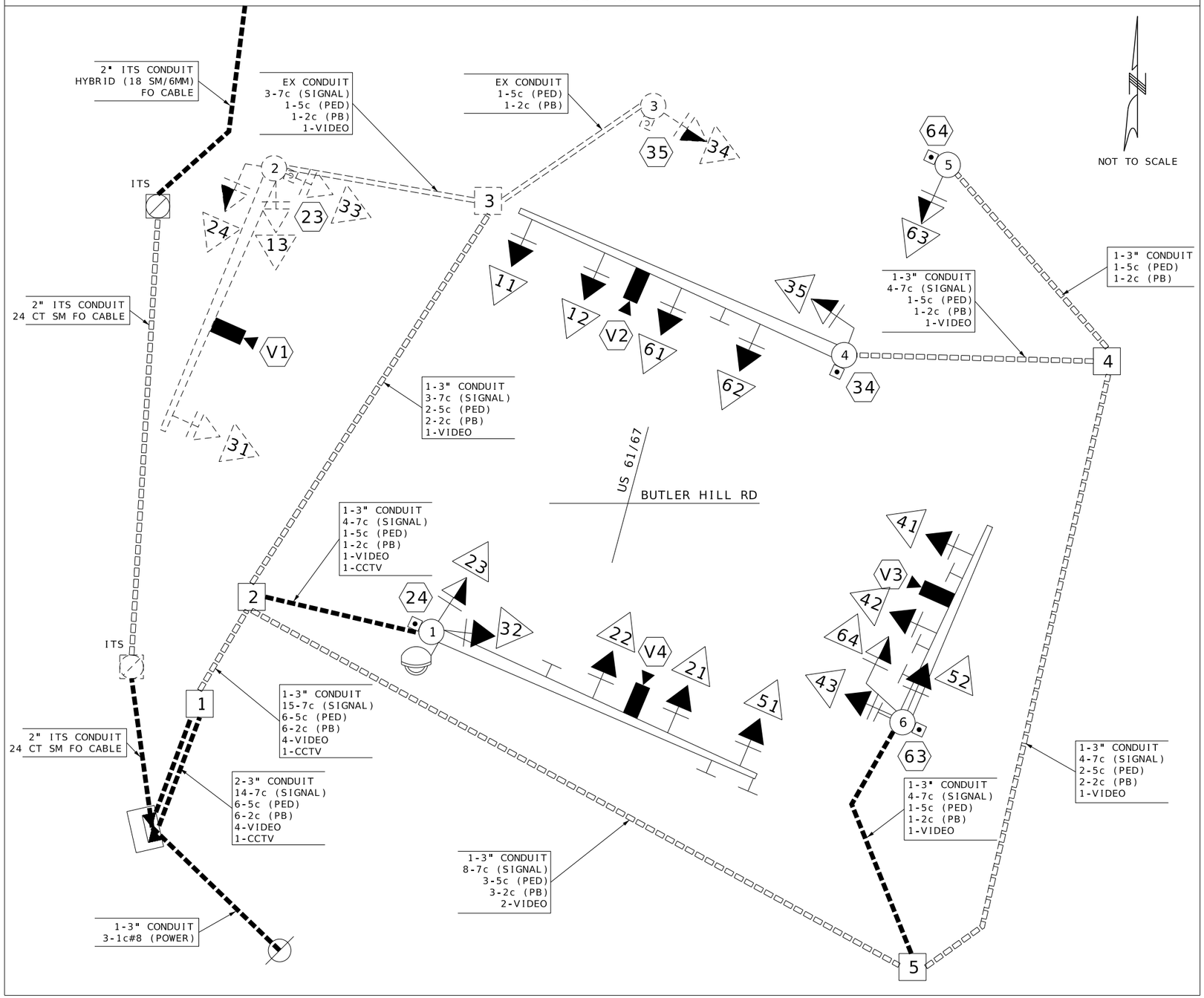
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

EFFECTIVE 12-01-17

WIRING DIAGRAM



US ROUTE 61/67 & BUTLER HILL ROAD

INTERSECTION

LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTOR
	CCTV

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KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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

DATE PREPARED: 07/25/2025
ROUTE: 61/67
STATE: MO
DISTRICT: SL
SHEET NO.: 151
COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DATE	DESCRIPTION
.	.

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

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PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

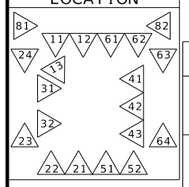
REV.

SIGNAL SHEET

US ROUTE 61/67
BUTLER HILL ROAD
SIGNAL QUANTITIES

D-37D

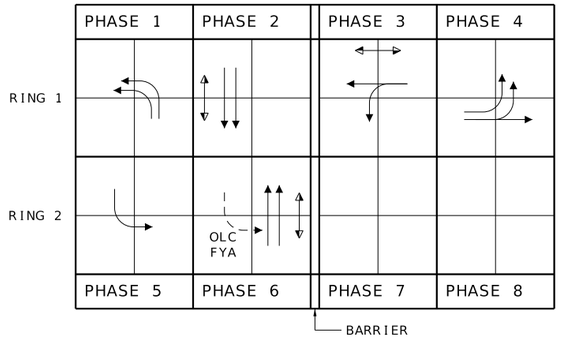
SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø2 OVERLAP	PED Ø6 OVERLAP	PED Ø3 OVERLAP	PED Ø OVERLAP	OVERLAP C	
FACE NUMBERS	11 13 12	21 22	31 33 32	41 42 43 52	51 62	61 24			23 DW	63 DW	34 DW		51 RL	R
SIGNAL INDICATIONS R	RL RL	R	R R	RL R R		R								
SIGNAL INDICATIONS Y	YL YL	Y	Y Y	YL Y Y		Y							YL	Y
SIGNAL INDICATIONS FYA													FYL	FYA
SIGNAL INDICATIONS G	L L	G	S G L	L S S L Rt	L	G			W	W	W			G
DETECTOR ASSIGNMENTS	11 13 12	21 22	31 33 32	41 42 43 51 52	61 62									
DETECTOR ASSIGNMENTS (PEDS. ONLY)									23 24	63 64	34 35			
OVERLAP PARENT PHASES													6	

FACE NUMBERS / SIGNAL INDICATIONS / DETECTOR ASSIGNMENTS



RING STRUCTURE

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

LEGEND

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

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FLASHING OPERATION	
ROUTE 61/67	FR
BUTLER HILL ROAD	FR
CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF

ROUTE 61/67 & BUTLER HILL ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	152

COUNTY: ST. LOUIS

JOB NO.: J6S3578

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)

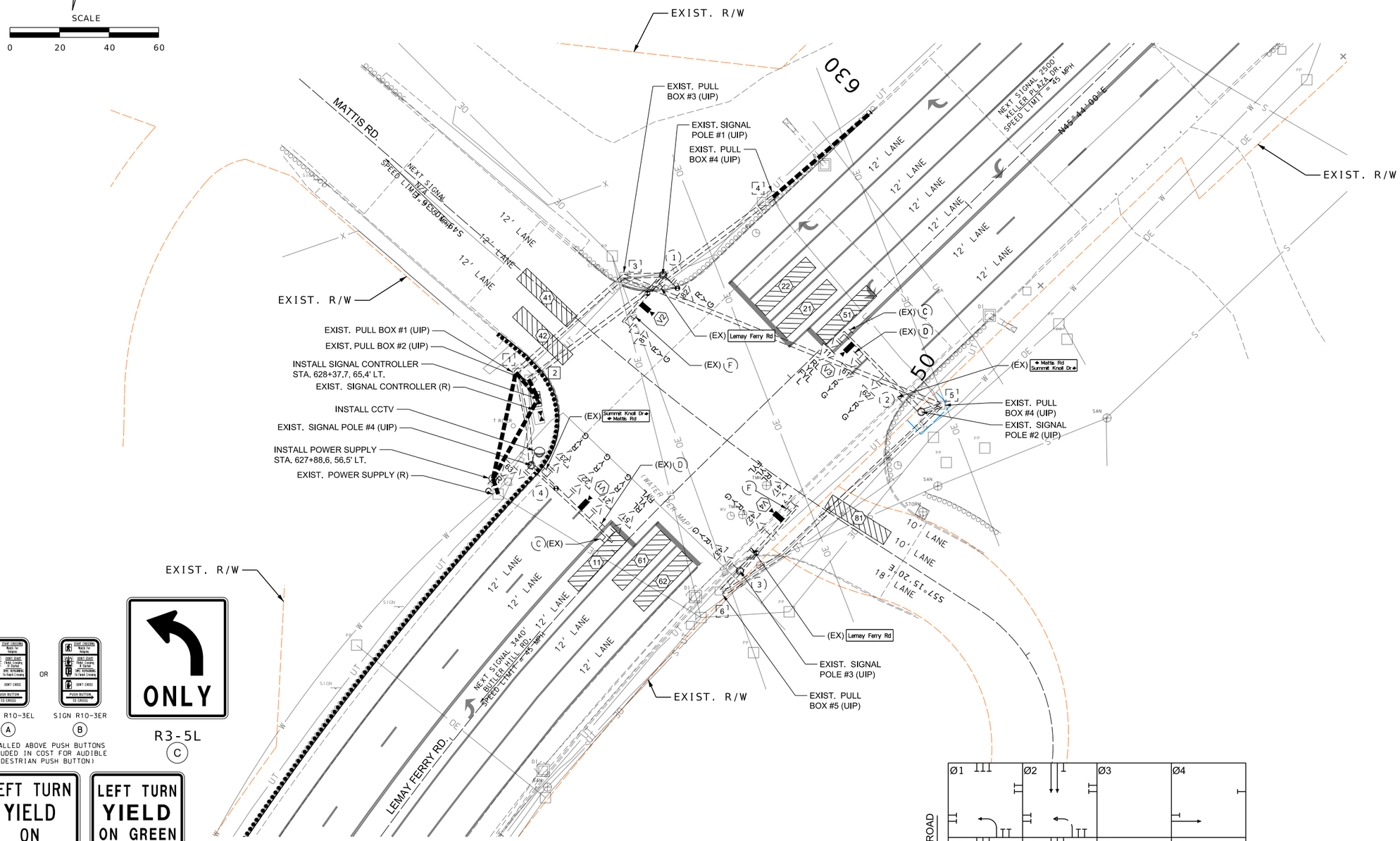
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16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

NOTE: CONTRACTOR TO FIELD VERIFY ADVANCED DETECTION TO THE SOUTH AND NORTH OF THIS INTERSECTION. IF CAMERAS WILL NOT ACCURATELY DETECT TRAFFIC, LOOP DETECTION WILL BE REQUIRED.

SCALE
0 20 40 60



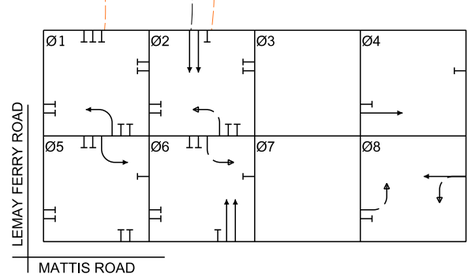
SIGN R10-3EL (A) OR SIGN R10-3ER (B)
INSTALLED ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

R3-5L (C)



R10-27a (D)

R10-12 (F)



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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 153
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DESCRIPTION | DATE

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

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

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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

SHEET 27 OF 79

SIGNAL PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD AT MATTIS ROAD

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	LOCATION: APPROACH	LOCATION: STATION	LOCATION: OFFSET	BASE: A: 9	A: 9.5	A: 10	A: 10.5	A: 11	A: 12	F: 9	F: 9.5	F: 10	F: 10.5	F: 11	F: 12	C	CONCRETE** (CU. YDS.)
	☒	ROUTE 61/67	628+37.7	65.4' LT														1.93
		EXISTING																
		EXISTING																
		EXISTING																
		EXISTING																
(1)		EXISTING																
(2)		EXISTING																
(3)		EXISTING																
(4)		EXISTING																

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"		
∅	∅ UPS	(7')			(15')												FOR INFORMATIONAL PURPOSES
∅ UPS	☒	37'			41'												
∅ UPS	1	44'			47'												FOR LUMINAIRE CABLE
☒	1	14'			34'												2-3" CONDUIT
☒	2	9'			12'												
1	3	58'						EX									
3	(1)	16'			EX												
3	5	138'						EX									
5	(2)	8'			EX												
5	6	118'						EX									
6	(3)	12'			EX												
SUBTOTALS					134'												
TOTALS					134'												

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER*		REMARKS
			1c#2	1c#8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	VIDEO (1)	CCTV	SINGLE-MODE	MULTI-MODE	
∅	∅ UPS	(7')		(69')												FOR INFORMATIONAL PURPOSES
∅ UPS	☒	37'		159'												3-1C#6 CABLES
☒	1	88'										(146')				VIDEO V-2
☒	2	50'										(312')				VIDEO V-3
☒	3	50'										(429')				VIDEO V-4
☒	4	50'										(116')				VIDEO V-1
☒	4	50'											106'			CCTV
∅ UPS	1	118'								122'	104'					LUMINAIRE
SUBTOTALS				159'						122'	104'	(1003')	106'			
5% FOR SNAKING				167'						129'	109'	(1053')	111'			
TOTALS				170'						130'	110'	(1060')	120'			

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

* SEE ITS PLANS FOR QUANTITIES

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INTERSECTION US ROUTE 61/67 AND MATTIS ROAD

SHEET 29 OF 79

SIGNAL SHEET

US ROUTE 61/67
MATTIS ROAD
SIGNAL QUANTITIES

D-37B

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	155

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

REV.	DESCRIPTION	DATE
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.	.	.
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

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EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
ROUTE 61/67	627+88.6	56.5' LT	Type	1	15 Amps	15 Amps	100 Amps	100 Amps	1	15 Amps	Cl. Ft.	EX
			Type		Amps	Amps	Amps	Amps		Amps	Cl. 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 61/67	628+37.7	65.4' LT			1									1			1					

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

ATC TRAFFIC SIGNAL CONTROLLER
TOTAL = 1 EACH

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY
TOTAL = 1 EACH

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	36 X 36	9.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
	R10-3eL**	9 X 15	0.9		
	R10-3eR**	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	0.0	0
			TOTAL	0	0

CCTV CAMERA ASSEMBLY
TOTAL = 1 EACH

INSTALL CCTV CAMERA ASSEMBLY
TOTAL = 1 EACH

**NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
11, 61, 62	NB ROUTE 61/67					V3
21, 22, 51	SB ROUTE 61/67					V1
41, 42	EB MATTIS RD					V4
81	WB SUMMIT KNOLL DR					V2
TOTAL						

* 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 SHOWN 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.

NEMA DETECTOR ASSIGNMENT

CHANNEL	CARD POSITION 1	2	3	4	5	6	7	8
1	SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)							
2								

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

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
∅1 NBL	∅2 SBT	NOT USED	∅4 EBT	∅5 SBL	∅6 NBT	NOT USED	∅8 WB	OLA FYA NBL	NOT USED	OLC FYA SBL	OLD FYA EBL	NOT USED	NOT USED	NOT USED	NOT USED

ROUTE 61/67 & MATTIS ROAD
INTERSECTION

SHEET 30 OF 79

SIGNAL SHEET

US ROUTE 61/67
MATTIS ROAD
SIGNAL QUANTITIES

D-37C

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 156
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DESCRIPTION	DATE

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

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16305 SWINGLEY RIDGE RD
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CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

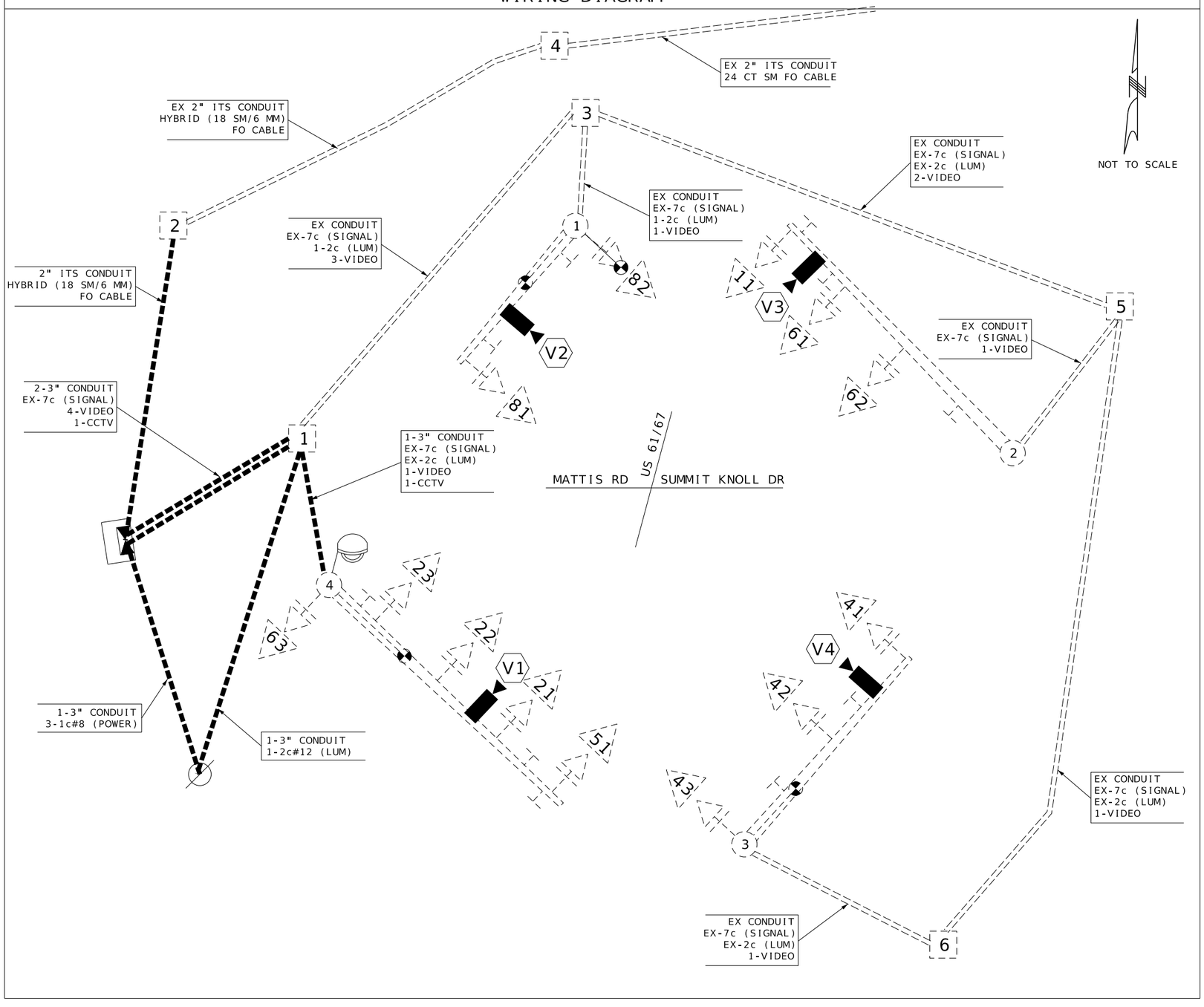
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

EFFECTIVE 12-01-17

WIRING DIAGRAM



US ROUTE 61/67 & MATTIS ROAD

INTERSECTION

LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTOR
	CCTV

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ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 157
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DESCRIPTION	DATE
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PE-2014041301

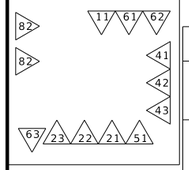
REV.

SIGNAL SHEET

US ROUTE 61/67
MATTIS ROAD
SIGNAL QUANTITIES

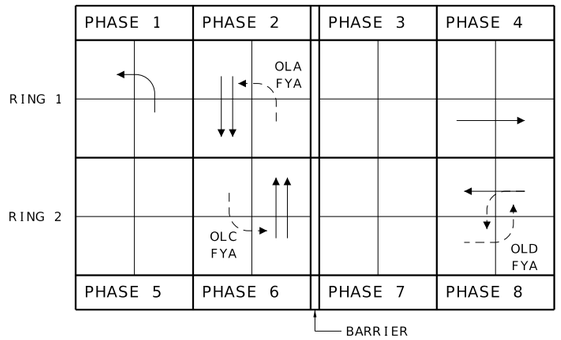
D-37D

SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	OVERLAP	OVERLAP	OVERLAP	OVERLAP	OVERLAP A	OVERLAP C	OVERLAP D	
FACE NUMBERS	11	21 22		42 43		61 62		81 82					11	51	41	FACE NUMBERS
SIGNAL INDICATIONS R		R	R	R		R		R					RL	RL	RL	R
SIGNAL INDICATIONS Y		Y	Y	Y		Y		Y					YL	YL	YL	Y
SIGNAL INDICATIONS FYA													FYL	FYL	FYL	FYA
SIGNAL INDICATIONS G	L	G	G	G		G		G								G
DETECTOR ASSIGNMENTS	11	21 22 23		42 43		61 62		81 82								DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)																
OVERLAP PARENT PHASES													2	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
- YRt — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY -YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ROUTE 61/67	FR
MATTIS ROAD	FR

CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF

ROUTE 61/67 & MATTIS ROAD

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KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	158

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DESCRIPTION	DATE
.	.

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

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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

SHEET 32 OF 79

SIGNAL SHEET

US ROUTE 61/67
MATTIS ROAD
SIGNAL QUANTITIES

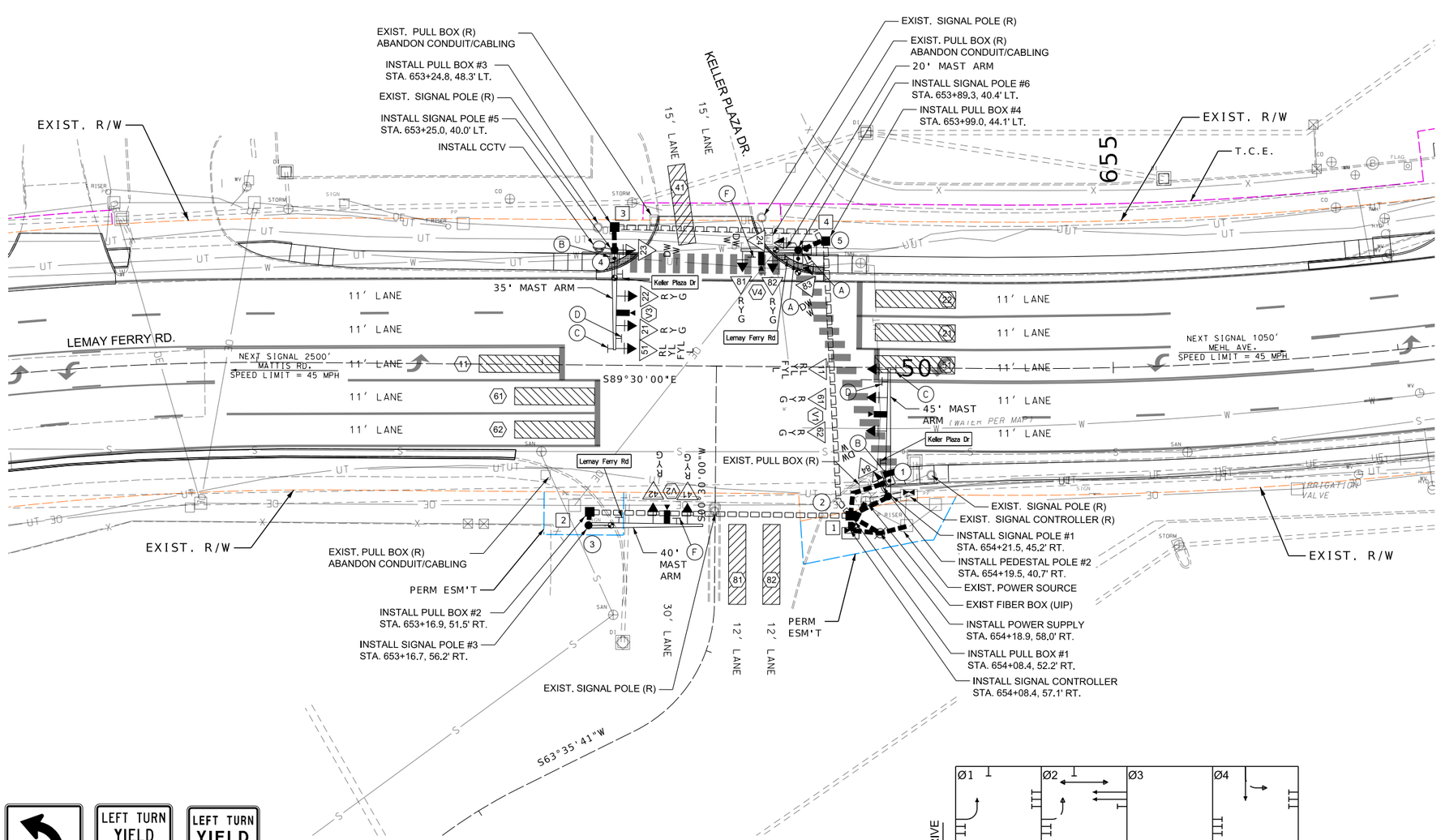
D-38E

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

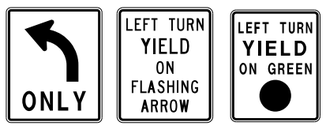
REV.

NOTE: CONTRACTOR TO FIELD VERIFY ADVANCED DETECTION TO THE SOUTH OF THIS INTERSECTION. IF CAMERAS WILL NOT ACCURATELY DETECT TRAFFIC, LOOP DETECTION WILL BE REQUIRED.

SCALE
0 20 40 60



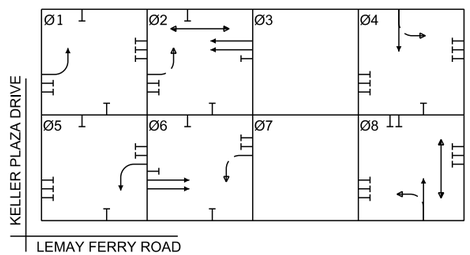
SIGN R10-3EL (A) OR SIGN R10-3ER (B)
INSTALLED ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)



R3-5L (C)

R10-27a (D)

R10-12 (F)



SHEET 33 OF 79

SIGNAL PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD AT
KELLER PLAZA DRIVE

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KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
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DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	159

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

DESCRIPTION	DATE
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KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	LOCATION: APPROACH	LOCATION: STATION	LOCATION: OFFSET	BASE: A 9	A 9.5	A 10	A 10.5	A 11	A 12	BASE: F 9	F 9.5	F 10	F 10.5	F 11	F 12	BASE: C STANCHION	BASE: CONCRETE** (CU. YDS.)	PULL BOX: PREFORMED CONCRETE CLASS 1	CLASS 2	CLASS 3	CLASS 5	STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	DRAIN TYPE* I	DRAIN TYPE* II A	DRAIN TYPE* II B	DRAIN TYPE* II C	TOP MOUNT POST 8 FT.	TOP MOUNT POST 15 FT.	TYPE C & CL: ARM LENGTH 20'	35'	40'	45'	SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D	D'
	☒	ROUTE 61/67	654+08.4	57.1' RT														1.93																								
	1	ROUTE 61/67	654+08.4	52.2' RT																	1																					
	2	ROUTE 61/67	653+16.9	51.5' RT																1						1															
	3	ROUTE 61/67	653+24.8	48.3' LT																1						1															
	4	ROUTE 61/67	653+99.0	44.1' LT																1						1															
1		ROUTE 61/67	654+21.5	45.2' RT				1										3.27								1								1	22'	11'	11'		11'	28'	4'
2		ROUTE 61/67	654+19.5	40.7' RT													1	0.07													1									
3		ROUTE 61/67	653+16.7	56.2' RT				1										3.27															1		22'	12'			30'		
4		ROUTE 61/67	653+25.0	40.0' LT									1					2.49																1		15'	10'	8'		7'	22'	4'
5		ROUTE 61/67	653+89.3	40.4' LT							1							2.36																1		8'	11'			4'	12'	
				SUBTOTAL														13.39		3	1										2			1	1	1	1							
				TOTAL														13.4		3	1										2			1	1	1	1							

POST NUMBER	TYPE B & BL: ARM LENGTH E	K	E	K	E	K	LEFT ARM E: SIGNAL SPACING F	G	H	H'	SIGN SPACING F	G	H	H'	RIGHT ARM K: SIGNAL SPACING L	M	N	N'	SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
1																													
2																													
3																									1				
4																										1			
5																									2				

NOTE:

SIGNAL & SIGN SPACING SHOWN IS APPROXIMATE. CONTRACTOR SHALL ADJUST AS NECESSARY.

SIGNAL HEADS

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE LED-A	INDICATIONS * 12" LENS CONVENTIONAL R	Y	RL	YL	FYL	FYR	G	S	L	Rt	12" LENS OPTICAL LIMITING R	Y	YL	YRt	YL	YRt	G	S	L	Rt	VISORS * 12" LENS	PED.	LOUVERS * A	B	C	D	E	F	BACKPLATE* LENSES 1	2	3	4	5	RETROREFLECTIVE BACKPLATE* LENSES 1	2	3	4	5	BRACKET* TYPE I	II	III
	1	11				1	1	1			1													4																	1		
	1	61		1	1					1														3														1			1		
	1	62		1	1					1														3														1			1		
	1	84												1											1																1		
	3	41	1	1	1					1														3								1									1		
	3	42		1	1					1														3								1									1		
	4	21	1	1	1					1														3													1				1		
	4	22		1	1					1														3													1				1		
	4	23												1											1																1		
	4	51				1	1	1				1													4																1		
	5	81	2	1	1					1														3								1									1		
	5	82		1	1					1														3								1									1		
	5	24												1											1																1		
	5	83												1											1																1		
			4	SUBTOTAL																																								
			4	TOTAL																																								

	4	22				1	1	1			1													4																	1		
	1	61		1	1					1														3														1			1		
	1	62		1	1					1														3														1			1		
	1	84												1											1																1		
	3	41	1	1	1					1														3								1									1		
	3	42		1	1					1														3								1									1		
	4	21	1	1	1					1														3													1				1		
	4	22		1	1					1														3													1				1		
	4	23												1											1																1		
	4	51				1	1	1				1													4																1		
	5	81	2	1	1					1														3								1									1		
	5	82		1	1					1														3								1									1		
	5	24												1											1																1		
	5	83												1											1																1		

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

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"		
∅	∅UPS	(9')			(17')											FOR INFORMATIONAL PURPOSES
∅UPS	☒	11'			15'											
∅UPS	1	12'			15'											FOR LUMINAIRE CABLE
☒	1	5'			16'											2-3" CONDUIT
1	(1)	15'			18'											
1	(2)	19'			20'											
1	2	92'						90'								
2	(3)	5'			8'											
1	4	98'						96'								
4	(5)	11'			14'											
4	3	76'						74'								
3	(4)	8'			7'											
SUBTOTALS					113'			260'								
TOTALS					113'			260'								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER*		REMARKS
			1c#2	1c#8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	VIDEO (1)	CCTV	SINGLE-MODE	MULTI-MODE	
∅	∅UPS	(9')		(75')												FOR INFORMATIONAL PURPOSES
∅UPS	☒	11'		81'												3-1C#6 CABLES
☒	(1)	27'					108'									SIGNAL HEAD 11
☒	(1)	27'					98'									SIGNAL HEAD 61
☒	(1)	27'					87'									SIGNAL HEAD 62
☒	(1)	27'										(93')				VIDEO V-1
☒	(1)	27'				52'										PEDESTRIAN HEAD 84
☒	(2)	19'			42'											PUSH BUTTON 84
☒	(3)	101'					178'									SIGNAL HEAD 41
☒	(3)	101'					166'									SIGNAL HEAD 42
☒	(3)	101'										(171')				VIDEO V-2
☒	(4)	186'					269'									SIGNAL HEAD 51
☒	(4)	186'					261'									SIGNAL HEAD 21
☒	(4)	186'					251'									SIGNAL HEAD 22
☒	(4)	186'				223'										PEDESTRIAN HEAD 23
☒	(4)	186'			221'											PUSH BUTTON 23
☒	(4)	186'										(257')				VIDEO V-3
☒	(4)	186'											252'			CCTV
☒	(5)	109'					171'									SIGNAL HEAD 81
☒	(5)	109'					161'									SIGNAL HEAD 82
☒	(5)	109'				140'										PEDESTRIAN HEAD 24
☒	(5)	109'			138'											PUSH BUTTON 24
☒	(5)	109'				140'										PEDESTRIAN HEAD 83
☒	(5)	109'			138'											PUSH BUTTON 83
☒	(5)	109'										(165')				VIDEO V-4
∅UPS	(3)	108'								124'	82'					LUMINAIRE
∅UPS	(4)	194'								215'	92'					LUMINAIRE
∅UPS	(5)	121'								260'	184'					LUMINAIRE
SUBTOTALS			81'	539'	555'	1750'				599'	358'	(686')	252'			
5% FOR SNAKING			85'	566'	583'	1838'				629'	376'	(720')	265'			
TOTALS			90'	570'	590'	1840'				630'	380'	(730')	270'			

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

* SEE ITS PLANS FOR QUANTITIES

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INTERSECTION US ROUTE 61/67 AND KELLER PLAZA DRIVE

D-37B

SIGNAL SHEET

US ROUTE 61/67
KELLER PLAZA DRIVE
SIGNAL QUANTITIES

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
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 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	161

COUNTY ST. LOUIS

JOB NO. J6S3578

CONTRACT ID. .

PROJECT NO. .

BRIDGE NO. .

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

GBA
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CHESTERFIELD, MO 63017
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GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

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EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
ROUTE 61/67	654+18.9	58.0' RT	Type	1	15 Amps	15 Amps	100 Amps	100 Amps	1	15 Amps	Cl. Ft.	EX
			Type		Amps	Amps	Amps	Amps		Amps	Cl. 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 61/67	654+08.4	57.1' RT			1									1			1					

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)

TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR

TOTAL = 1 EACH

ATC TRAFFIC SIGNAL CONTROLLER

TOTAL = 1 EACH

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

TOTAL = 1 EACH

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		
2	R3-5L	30 X 36	7.5	15.0	2
	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	36 X 36	9.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
2	R10-3eL**	9 X 15	0.9	(1.8)	(2)
2	R10-3eR**	9 X 15	0.9	(1.8)	(2)
	R10-11A	24 X 30	5.0		
1	R10-12	30 X 36	7.5	7.5	1
2	R10-27A	30 X 36	7.5	15.0	2
			SUBTOTAL	37.5	5
			TOTAL	38	5

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
21, 22, 51	SB ROUTE 61/67					V3
11, 61, 62	NB ROUTE 61/67					V1
41, 42	EB KELLER PLAZA DR					V2
81, 82	WB KELLER PLAZA DR					V4
23	KELLER PLAZA DR	1				
24	KELLER PLAZA DR	1				
83	ROUTE 61/67	1				
84	ROUTE 61/67	1				
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 SHOWN 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.

CCTV CAMERA ASSEMBLY

TOTAL = 1 EACH

INSTALL CCTV CAMERA ASSEMBLY

TOTAL = 1 EACH

**NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

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)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
∅1 NBL	∅2 SBT	NOT USED	∅4 EB	∅5 SBL	∅6 NBT	NOT USED	∅8 WB	OLA FYA NBL	NOT USED	OLC FYA SBL	NOT USED	∅2 PED	NOT USED	NOT USED	∅8 PED

SHEET 36 OF 79

ROUTE 61/67 & KELLER PLAZA DRIVE
INTERSECTION

SIGNAL SHEET

US ROUTE 61/67
KELLER PLAZA DRIVE
SIGNAL QUANTITIES

D-37C

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 162
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD ST, 300
CHESTERFIELD, MO 63017
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GBAteam.com

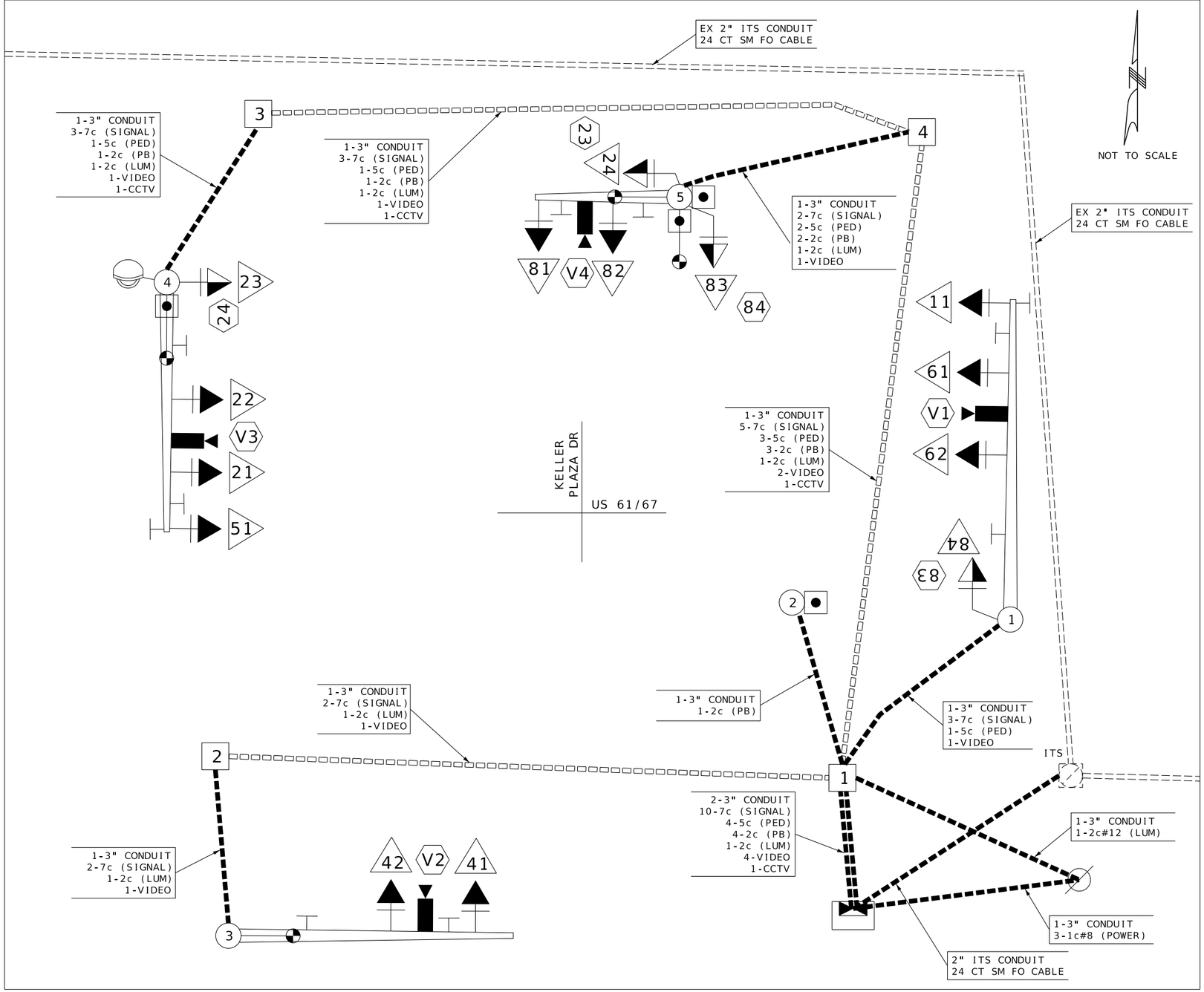
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

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EFFECTIVE 12-01-17

WIRING DIAGRAM



US ROUTE 61/67 & KELLER PLAZA DRIVE

INTERSECTION

LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTOR
	CCTV

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DATE PREPARED: 07/25/2025
ROUTE: 61/67 | STATE: MO
DISTRICT: SL | SHEET NO.: 163
COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DESCRIPTION	DATE
.	.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

SHEET 37 OF 79

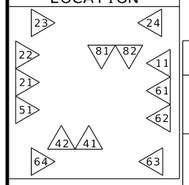
SIGNAL SHEET

US ROUTE 61/67
KELLER PLAZA DRIVE
SIGNAL QUANTITIES

D-37D

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SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 2	PED Ø 8			OVERLAP A	OVERLAP C			
			NOT USED				NOT USED						OLA	OLC			
									OVERLAP	OVERLAP	OVERLAP	OVERLAP					
FACE NUMBERS	11	21		41	51	61		81	23	83			11	51			FACE NUMBERS
		22		42		62		82	24	84							
SIGNAL INDICATIONS R	RL	R		R	RL	R		R	DW	DW			RL	RL			R
SIGNAL INDICATIONS Y	YL	Y		Y	YL	Y		Y					YL	YL			Y
SIGNAL INDICATIONS FYA	FYL				FYL								FYL	FYL			FYA
SIGNAL INDICATIONS G	L	G		G	L	G		G	W	W							G
DETECTOR ASSIGNMENTS	11	21 22		41 42	51	61 62		81 82									DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)									23 24	83 84							
OVERLAP PARENT PHASES													2	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
- YRt — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY -YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ROUTE 61/67	FR
KELLER PLAZA DRIVE	FR

CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF

ROUTE 61/67 & KELLER PLAZA DRIVE

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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	164

COUNTY: ST. LOUIS

JOB NO.: J6S3578

CONTRACT ID.: .

PROJECT NO.: .

BRIDGE NO.: .

DESCRIPTION	DATE
.	.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

SHEET 38 OF 79

SIGNAL SHEET

US ROUTE 61/67
KELLER PLAZA DRIVE
SIGNAL QUANTITIES

D-38E

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

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SCALE
0 20 40 60

EXIST. R/W
EXIST. PULL BOX (R) ABANDON CONDUIT/CABLING
INSTALL PULL BOX #5 STA. 664+77.4, 42.9' LT.
EXIST. SIGNAL POLE (R)
INSTALL SIGNAL POLE #6 STA. 664+67.0, 49.7' LT.
665
NEXT SIGNAL 430' CENTRAL CITY SPEED LIMIT = 40 MPH
12' LANE
14' LANE
25' MAST ARM
PERM. ESM'T
EXIST. SIGNAL POLE (R)
INSTALL SIGNAL POLE #5 STA. 664+02.8, 48.5' LT.
EXIST. PEDESTAL POLE (R)
INSTALL PEDESTAL POLE # 4 STA. 664+03.1, 40.9' LT.
INSTALL PULL BOX #4 STA. 663+97.0, 45.7' LT.
Lemay Ferry Rd
Mehl Ave
45' MAST ARM
INSTALL CCTV
EXIST. SIGNAL CONTROLLER (R)
EXIST. POWER SOURCE (UIP)
INSTALL SIGNAL POWER SUPPLY 665+28.6, 58.5' RT.
INSTALL SIGNAL CONTROLLER STA. 655+32.0, 66.1' RT.
INSTALL PULL BOX #1 STA. 665+24.8, 68.8' RT.
INSTALL SIGNAL POLE #1 664+84.8, 43.8' RT.
INSTALL PULL BOX #2 664+83.7, 49.6' RT.
EXIST. PULL BOX (R) ABANDON CONDUIT/CABLING
EXIST. SIGNAL POLE (R)
INSTALL PED POLE #2 STA. 664+74.6, 52.7' RT.
T.C.E.
PERM. ESM'T
EXIST. R/W
LEMAY FERRY RD.
N56°00'00"E
NEXT SIGNAL 1050' KELLER PLAZA DR. SPEED LIMIT = 45 MPH (WATER PER MAP)
EXIST. LIGHT POLE PRIVATE (UIP)
MOUNT TO SIGNAL POLE
EXIST. SIGNAL POLE (R)
INSTALL SIGNAL POLE #3 STA. 664+01.8, 38.1' RT.
EXIST. PULL BOX (R) ABANDON CONDUIT/CABLING
EXIST. PEDESTAL POLE (R)
INSTALL PULL BOX #3 STA. 664+10.6, 51.6' RT.
S51°23'52"E
NEXT SIGNAL 280' KELLER PLAZA DR. SPEED LIMIT NOT POSTED
MEHL AVE.
EXIST. LIGHT POLE PRIVATE (UIP)
EXIST. R/W

SIGN R10-3EL (A) OR SIGN R10-3ER (B)
INSTALLED ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

ONLY — R3-5L (C)
LEFT TURN YIELD ON FLASHING ARROW — R10-27a (D)
NO TURN ON RED — R10-11a (E)

LEMAY FERRY ROAD
MEHL AVENUE
Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8

SHEET 39 OF 79

SIGNAL PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD AT MEHL AVENUE

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 165
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD ST, 300
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GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

c:\bms\gba-pw-01\regan hutchinson\dms13774\165_SG_10_J6S3578_i20.dgn 11:06:19 AM 07/25/2025

EFFECTIVE: 07/01/2018

LOCATION / BASE / PULL BOX / POST

POST NUMBER	PULL BOX NUMBER	APPROACH	STATION	OFFSET	BASE A (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE F (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE C	CONCRETE** (CU. YDS.)	PULL BOX PREFORMED CLASS 1	PREFORMED CLASS 2	PREFORMED CLASS 3	PREFORMED CLASS 5	CONCRETE STANDARD	CONCRETE DOUBLE, TYPE A	CONCRETE DOUBLE, TYPE B	DRAIN TYPE* I	DRAIN TYPE* II A	DRAIN TYPE* II B	DRAIN TYPE* II C	TOP MOUNT POST 8 FT.	TOP MOUNT POST 15 FT.	TYPE C & CL ARM LENGTH 25'	ARM LENGTH 45'	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'	LEFT ARM E 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'	RIGHT ARM K SIGN SPACING L	SIGN SPACING M	SIGN SPACING N	SIGN SPACING N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
	☒	ROUTE 61/67	655+32.0	66.1' RT				1.93																																															
	1	ROUTE 61/67	665+24.8	68.8' RT							1						1																																						
	2	ROUTE 61/67	664+83.7	49.6' RT					1								1																																						
	3	ROUTE 61/67	664+10.6	51.6' RT					1								1																																						
	4	ROUTE 61/67	663+97.0	45.7' LT					1								1																																						
	5	ROUTE 61/67	664+77.4	42.9' LT					1								1																																						
1		ROUTE 61/67	664+84.8	43.8' RT		1		3.27														1				14'	12'	13'		20'	15'	5'																									
2		ROUTE 61/67	664+74.6	52.7' RT			1	0.44													1																																			
3		ROUTE 61/67	664+01.8	38.1' LT			1	2.75														1				30'	12'		23'																										
4		ROUTE 61/67	664+03.1	40.9' LT			1	0.44													1																																			
5		ROUTE 61/67	664+02.8	48.5' LT		1		3.27														1				23'	10'	10'		9'	22'	3'																									
6		ROUTE 61/67	664+67.0	49.7' LT	1			2.88														1				23'				8'																									
		SUBTOTAL						14.98		4	1										2		1	3																																	
		TOTAL						15.0		4	1										2		1	3																																	

NOTE:

SIGNAL & SIGN SPACING SHOWN IS APPROXIMATE. CONTRACTOR SHALL ADJUST AS NECESSARY.

SIGNAL HEADS

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

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"		
∅	∅UPS	(6')			(14')											FOR INFORMATIONAL PURPOSES
∅UPS	☒	8'			12'											
☒	1	5'			16'											2-3" CONDUIT
1	2	46'						44'								
2	1	6'			9'											
2	2	10'			11'											
2	3	75'						73'								
3	3	16'			19'											
2	5	94'						92'								
5	6	13'			16'											
5	4	80'						78'								
4	4	8'			9'											
4	5	7'			10'											
SUBTOTALS					102'			287'								
TOTALS					102'			287'								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER*		REMARKS
			1c#2	1c#8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	VIDEO (1)	CCTV	SINGLE-MODE	MULTI-MODE	
∅	∅UPS	(6')		(66')												FOR INFORMATIONAL PURPOSES
∅UPS	☒	8'		72'												3-1C#6 CABLES
☒	1	60'					144'									SIGNAL HEAD 11
☒	1	60'					130'									SIGNAL HEAD 61
☒	1	60'					118'									SIGNAL HEAD 62
☒	1	60'										(136')				VIDEO V-1
☒	1	60'											141'			CCTV
☒	2	64'				95'										PEDESTRIAN HEAD 63
☒	2	64'			93'											PUSH BUTTON 63
☒	3	145'					237'									SIGNAL HEAD 41
☒	3	145'					225'									SIGNAL HEAD 42
☒	3	145'				182'										PEDESTRIAN HEAD 64
☒	3	145'			180'											PUSH BUTTON 64
☒	3	145'				182'										PEDESTRIAN HEAD 43
☒	3	145'			180'											PUSH BUTTON 43
☒	3	145'										(231')				VIDEO V-2
☒	4	235'				278'										PEDESTRIAN HEAD 44
☒	4	235'			276'											PUSH BUTTON 44
☒	5	234'					333'									SIGNAL HEAD 51
☒	5	234'					323'									SIGNAL HEAD 21
☒	5	234'					313'									SIGNAL HEAD 22
☒	5	234'					280'									SIGNAL HEAD 31
☒	5	234'										(311')				VIDEO V-3
☒	6	160'					232'									SIGNAL HEAD 32
☒	6	160'					200'									SIGNAL HEAD 33
☒	6	160'										(226')				VIDEO V-4
SUBTOTALS			72'	729'	737'	2535'						(904')	141'			
5% FOR SNAKING			76'	765'	774'	2662'						(949')	148'			
TOTALS			80'	770'	780'	2670'						(950')	150'			

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

* SEE ITS PLANS FOR QUANTITIES

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INTERSECTION US ROUTE 61/67 AND MEHL AVENUE

SHEET 41 OF 79

SIGNAL SHEET

US ROUTE 61/67
MEHL AVENUE
SIGNAL QUANTITIES

D-37B

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 7/25/2025

ROUTE 61/67 | STATE MO

DISTRICT SL | SHEET NO. 167

COUNTY ST. LOUIS

JOB NO. J6S3578

CONTRACT ID. .

PROJECT NO. .

BRIDGE NO. .

DESCRIPTION | DATE | REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

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EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
ROUTE 61/67	665+28.6	58.5' RT	Type	1	15 Amps	15 Amps	100 Amps	. Amps	1	15 Amps	Cl. Ft.	EX
.	.	.	Type		. Amps	Amps	Amps	Amps		Amps	Cl. 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 61/67	655+32.0	66.1' RT	.	.	1	.	.	.	.	.	.	.	.	1	.	.	1	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

ATC TRAFFIC SIGNAL CONTROLLER
TOTAL = 1 EACH

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY
TOTAL = 1 EACH

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		
2	R3-5L	30 X 36	7.5	15.0	2
	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	36 X 36	9.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
1	R10-3eL**	9 X 15	0.9	(0.9)	(1)
3	R10-3eR**	9 X 15	0.9	(2.7)	(3)
1	R10-11A	24 X 30	5.0	5.0	1
	R10-13	36 X 24	6.0		
2	R10-27A	30 X 36	7.5	15.0	2
			SUBTOTAL	35.0	5
			TOTAL	35	5

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
11, 61, 62	NB ROUTE 61/67	.	.	.	.	V1
21, 22, 51	SB ROUTE 61/67					V3
31, 32	WB MEHL AVE					V4
41	EB MEHL AVE					V2
43	ROUTE 61/67	1				
44	ROUTE 61/67	1				
63	MEHL AVE	1				
64	MEHL AVE	1				
TOTAL		4				

CCTV CAMERA ASSEMBLY
TOTAL = 1 EACH

INSTALL CCTV CAMERA ASSEMBLY
TOTAL = 1 EACH

CCTV EXTENSION POLE, 20 FT. METALLIC FINISH
TOTAL = 1 EACH

**NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

* 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 SHOWN 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.

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)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
∅1 NBL	∅2 SBT	∅3 WB	∅4 EB	∅5 SBL	∅6 NBT	NOT USED	NOT USED	OLA FYA NBL	NOT USED	OLC FYA SBL	NOT USED	NOT USED	∅4 PED	∅6 PED	NOT USED

ROUTE 61/67 & MEHL AVENUE
INTERSECTION

SIGNAL SHEET

US ROUTE 61/67
MEHL AVENUE
SIGNAL QUANTITIES

D-37C

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 7/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 168
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DESCRIPTION | DATE | REV.

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

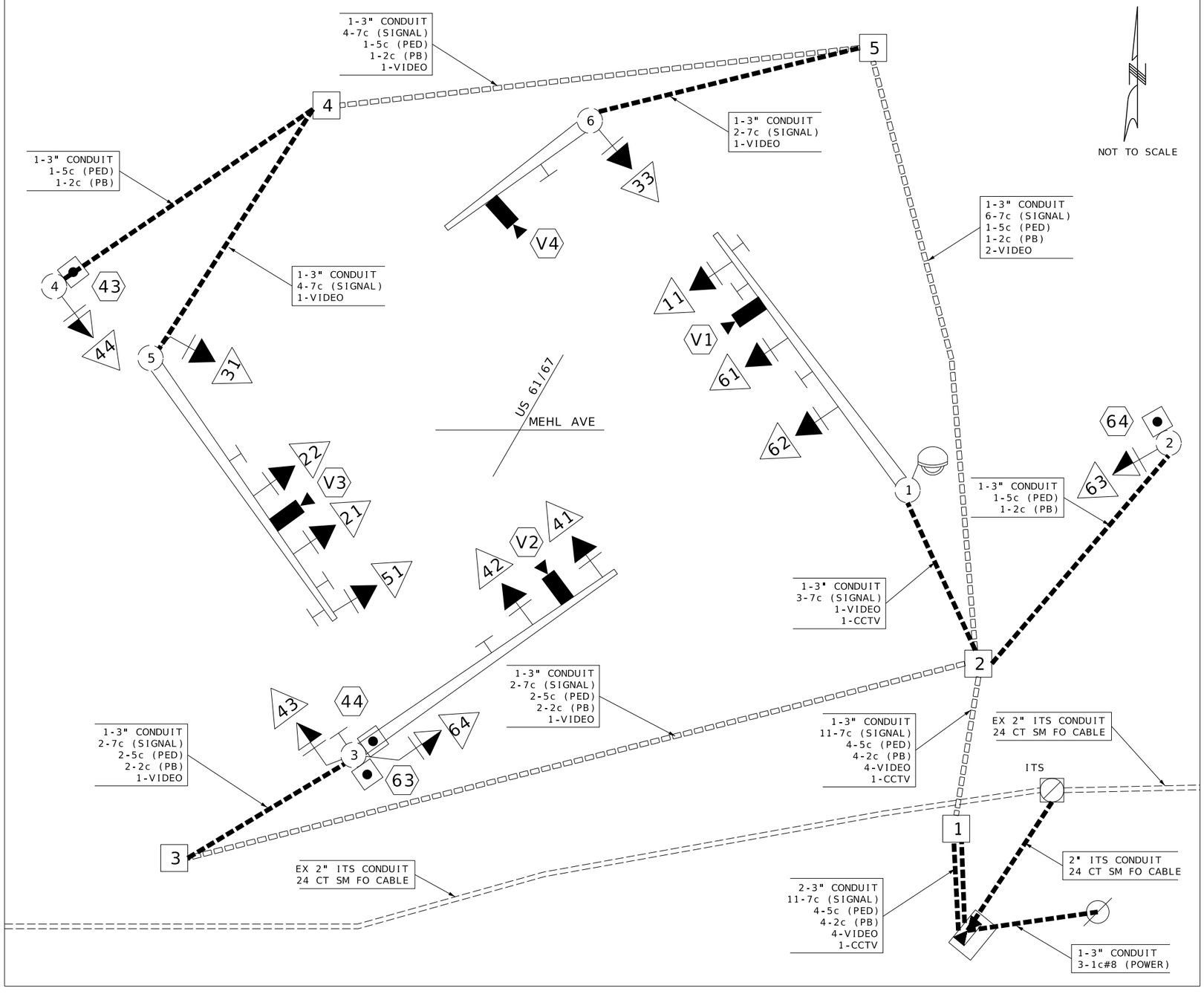
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PRO. ENGINEER 000133
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PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

EFFECTIVE 12-01-17

WIRING DIAGRAM



US ROUTE 61/67 & MEHL AVENUE

INTERSECTION

LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTOR
	CCTV

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DATE PREPARED: 07/25/2025
ROUTE: 61/67
STATE: MO
DISTRICT: SL
SHEET NO.: 169
COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DESCRIPTION	DATE
.	.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

SHEET 43 OF 79

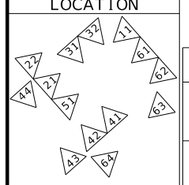
SIGNAL SHEET

US ROUTE 61/67
MEHL AVENUE
SIGNAL QUANTITIES

D-37D

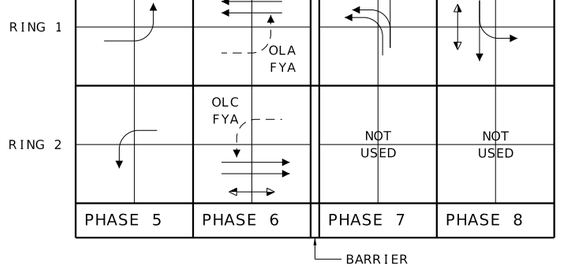
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SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 4	PED Ø 6			OVERLAP A	OVERLAP C			
							NOT USED	NOT USED					OLA	OLC			
									OVERLAP	OVERLAP	OVERLAP	OVERLAP					
FACE NUMBERS	11	21	31 32 33	41 42	51	61			43	63			11	51			FACE NUMBERS
		22				62			44	64							
SIGNAL INDICATIONS R	RL	R	RL R R	R R	RL	R			DW	DW			RL	RL			R
SIGNAL INDICATIONS Y	YL	Y	YL Y Y	Y Y	YL	Y							YL	YL			Y
SIGNAL INDICATIONS FYA					FYL								FYL	FYL			FYA
SIGNAL INDICATIONS G	L	G	L S G	S G	L	G			W	W							G
			L	L													
DETECTOR ASSIGNMENTS	11	21 22	31 32 33	41 42	51	61 62											DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)									23 24	63 64							
OVERLAP PARENT PHASES													2	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
- YRt — YELLOW RIGHT ARROW
- RT. — GREEN RIGHT ARROW
- LY -YL — YELLOW LEFT ARROW
- L — GREEN LEFT ARROW
- S — GREEN STRAIGHT AHEAD ARROW
- G — CIRCULAR GREEN
- Y — CIRCULAR YELLOW
- R — CIRCULAR RED
- RL — RED LEFT ARROW
- Ø — TRAFFIC PHASE
- AO — ALL OTHERS
- FR — FLASHING RED
- FY — FLASHING CIRCULAR YELLOW
- FYL — FLASHING YELLOW LEFT ARROW

FLASHING OPERATION	
ROUTE 61/67	FR
MEHL AVENUE	FR

CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF

ROUTE 61/67 & MEHL AVENUE

DISCLAIMER
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SHEET 44 OF 79

SIGNAL SHEET

US ROUTE 61/67
MEHL AVENUE
SIGNAL QUANTITIES

D-38E

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67
STATE MO
DISTRICT SL
SHEET NO. 170
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

c:\bms\gba-pw-01\regan hutchinson\dms13774\170_SG_10e_J6S3578_i20.dgn 07/25/2025

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SCALE
0 20 40 60

EXIST. R/W
670
Lemay Ferry Rd (EX)
EXIST. PULL BOX #3 (UIP)
EXIST. SIGNAL POLE #3 (UIP)
3°00'35" E
14' LANE
12' LANE
12' LANE
12' LANE
12' LANE
12' LANE
12' LANE
NEXT SIGNAL 590'
FORDER RD.
SPEED LIMIT = 40 MPH
T.C.E.
EXIST. R/W
PERM. ESM'T
EXIST. PULL BOX #2 (UIP)
EXIST. SIGNAL POLE #2 (UIP)
(EX)
(EX)
EXIST. SIGNAL POLE #4 (UIP)
INSTALL SIGNAL POLE #5
STA. 669+15.7, 52.1' RT.
EXIST. PULL BOX #4 (UIP)
PERM. ESM'T
Lemay Ferry Rd (EX)
(EX)
(EX)
EXIST. R/W
LEMAY FERRY RD.
NEXT SIGNAL 450'
MEHL AVE.
SPEED LIMIT = 40 MPH
16' LANE
14' LANE
20' LANE
SOUTH LAKEVIEW PLAZA
PERM. ESM'T
EXIST. SIGNAL POLE #1 (UIP)
INSTALL SIGNAL CONTROLLER
STA. 668+02.0, 54.1 RT.
EXIST POWER SOURCE
EXIST. PULL BOX #1 (UIP)
EXIST. SIGNAL CONTROLLER (R)
EXIST. POWER SUPPLY (R)
INSTALL POWER SUPPLY
STA. 667+86.7, 53.6' RT.
EXIST. R/W

Ø1 Ø2 Ø3 Ø4
Ø5 Ø6 Ø7 Ø8
LEMAY FERRY ROAD
SOUTH LAKEVIEW PLAZA

SIGN R10-3EL (A) OR SIGN R10-3ER (B)
INSTALLED ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

LEFT TURN YIELD ON FLASHING ARROW
R10-27a (D)

R3-2 (J)

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
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DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	171

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

DESCRIPTION	DATE
.	.

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JEFFERSON CITY, MO 65102
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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

SHEET 45 OF 79

SIGNAL PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD AT
CENTRAL CITY/
SOUTH LAKEVIEW PLAZA

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

c:\bms\gba-pw-01\regan hutchinson\dms13774\171_SG_11_J6S3578_i20.dgn 11:07:52 AM 07/25/2025

EFFECTIVE: 07/01/2018

| POST NUMBER | PULL BOX NUMBER | LOCATION: APPROACH | LOCATION: STATION | LOCATION: OFFSET | BASE: A: 9 | A: 9.5 | A: 10 | A: 10.5 | A: 11 | A: 12 | F: 9 | F: 9.5 | F: 10 | F: 10.5 | F: 11 | F: 12 | C | CONCRETE** (CU. YDS.) | PULL BOX: PREFORMED: CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | CONCRETE: STANDARD | DOUBLE, TYPE A | DOUBLE, TYPE B | DRAIN TYPE* I | II A | II B | II C | POST: TOP MOUNT POST 8 FT. | 15 FT. | TYPE C & CL: ARM LENGTH A | A | A | A | SIGNAL SPACING B | C | D | D' | SIGN SPACING B | C | D | D' | TYPE B & BL: ARM LENGTH E | K | E | K | E | K | LEFT ARM E: SIGNAL SPACING F | G | H | H' | SIGN SPACING F | G | H | H' | RIGHT ARM K: SIGNAL SPACING L | M | N | N' | SIGN SPACING L | M | N | N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM* 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE: 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"		
∅	∅UPS	(10')			(18')												FOR INFORMATIONAL PURPOSES
∅UPS	☒	15'			19'												
☒	1	13'			32'												2-3" CONDUIT
1	(1)	17'			EX												
1	2	100'						EX									
1	(2)	13'			EX												
2	3	86'						EX									
3	(3)	8'			EX												
1	4	119'						EX									
4	(4)	9'			EX												
4	(5)	4'			5'												
SUBTOTALS					56'												
TOTALS					56'												

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER*		REMARKS
			1c#2	1c#8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	VIDEO (1)	CCTV	SINGLE-MODE	MULTI-MODE	
∅	∅UPS	(10')		(78')												FOR INFORMATIONAL PURPOSES
∅UPS	☒	15'		93'												3-1C#6 CABLES
☒	(1)	30'				55'										PEDESTRIAN HEAD 64
☒	(1)	30'			53'											PUSH BUTTON 64
☒	(1)	30'										(110')				VIDEO V-1
☒	(2)	125'										(193')				VIDEO V-2
☒	(3)	207'										(288')				VIDEO V-3
☒	(4)	140'										(211')				VIDEO V-4
☒	5	136'				167'										PEDESTRIAN HEAD 63
☒	5	136'			165'											PUSH BUTTON 63
SUBTOTALS			93'	218'	222'							(802')				
5% FOR SNAKING			98'	229'	233'							(842')				
TOTALS			100'	230'	240'							(850')				

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

* SEE ITS PLANS FOR QUANTITIES

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INTERSECTION US ROUTE 61/67 AND CENTRAL CITY/SOUTH LAKEVIEW PLAZA

SHEET 47 OF 79

SIGNAL SHEET

US ROUTE 61/67
CENTRAL CITY/SOUTH
LAKEVIEW PLAZA
SIGNAL QUANTITIES

D-37B

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	173

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

DESCRIPTION	DATE
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.	.
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REV.

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

GBA
16305 SWINGLEY RIDGE RD
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GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

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EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
ROUTE 61/67	667+86.7	53.6' RT	Type	1	15 Amps	15 Amps	100 Amps	100 Amps	1	15 Amps	Cl. Ft.	EX
			Type		Amps	Amps	Amps	Amps		Amps	Cl. 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 61/67	668+02.0	54.1' RT			1									1			1					

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)

TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR

TOTAL = 1 EACH

ATC TRAFFIC SIGNAL CONTROLLER

TOTAL = 1 EACH

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

TOTAL = 1 EACH

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
21, 22, 51	SB ROUTE 61/67					V2
61, 62	NB ROUTE 61/67					V4
41, 42	EB SOUTH LAKEVIEW PLAZA					V1
81, 82	WB SOUTH LAKEVIEW PLAZA					V3
63	SOUTH LAKEVIEW PLAZA	1				
64	SOUTH LAKEVIEW PLAZA	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) 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 SHOWN 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.

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	36 X 36	9.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	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		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	0.0	0
			TOTAL	0	0

**NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NOT USED	∅2 SBT	NOT USED	∅4 EBT	∅5 SBL	∅6 NBT	NOT USED	∅8 WBT	NOT USED	OLB FYA WBL	OLC FYA SBL	OLD FYA EBL	NOT USED	NOT USED	∅6 PED	NOT USED

SHEET 48 OF 79

ROUTE 61/67 & CENTRAL CITY/SOUTH LAKEVIEW PLAZA
INTERSECTION

SIGNAL SHEET

US ROUTE 61/67
CENTRAL CITY/SOUTH
LAKEVIEW PLAZA
SIGNAL QUANTITIES

D-37C

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 174
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

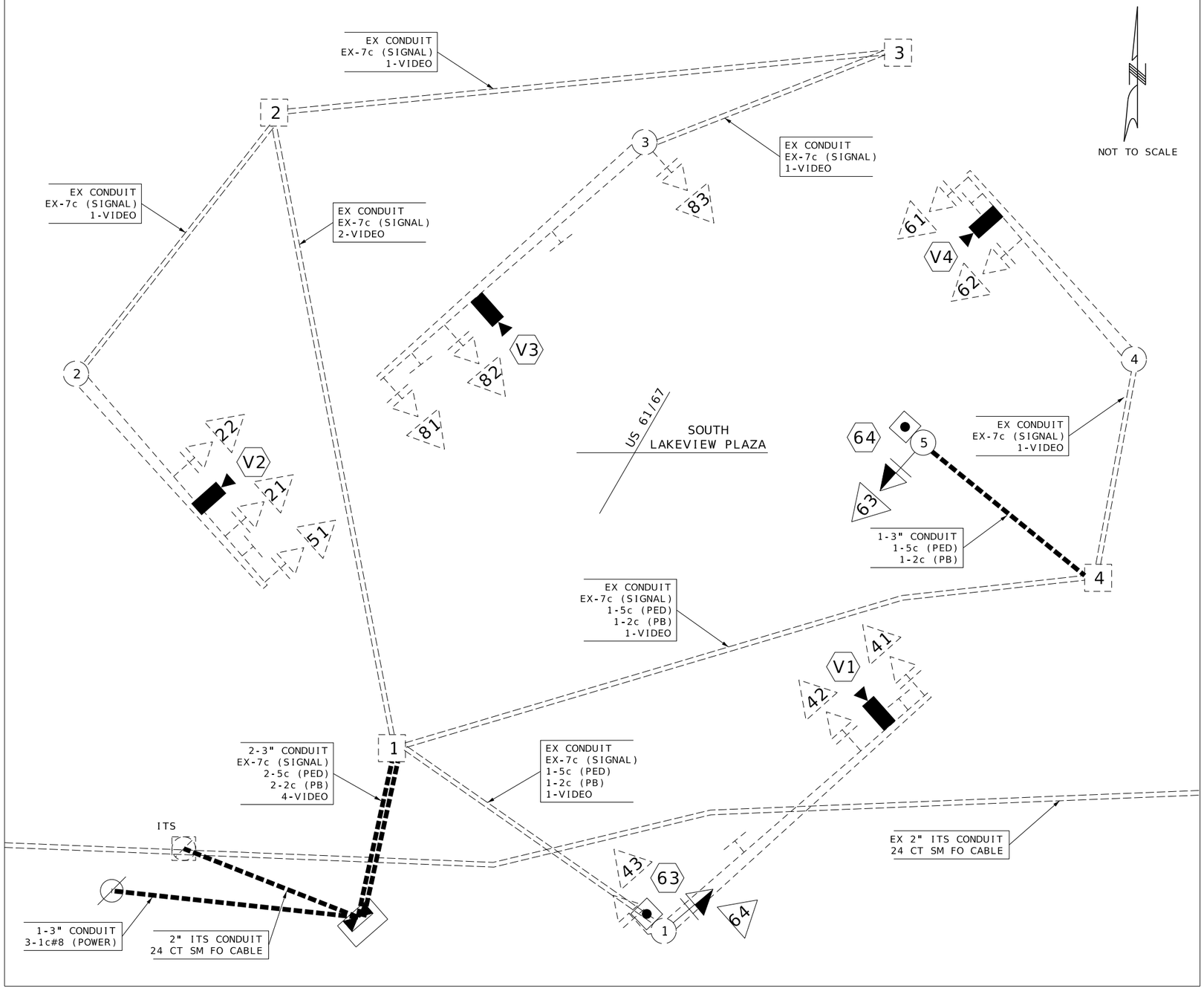
GBA
16305 SWINGLEY RIDGE RD ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

EFFECTIVE 12-01-17

WIRING DIAGRAM



US ROUTE 61/67 & CENTRAL CITY/SOUTH LAKEVIEW PLAZA

INTERSECTION

LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTOR
	CCTV

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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	175

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
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DATE	DESCRIPTION
.	.

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KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

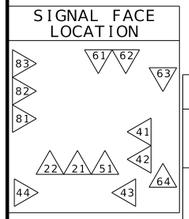
SIGNAL SHEET

US ROUTE 61/67
CENTRAL CITY/SOUTH
LAKEVIEW PLAZA
SIGNAL QUANTITIES

D-37D

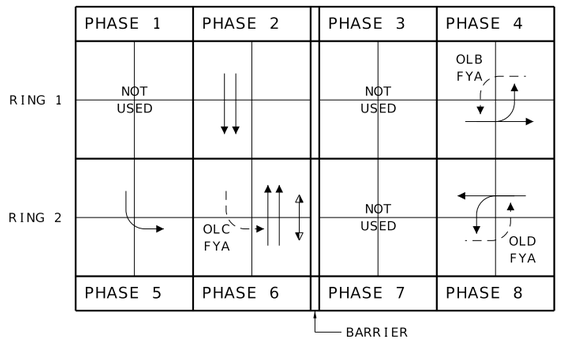
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SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 6 OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP	OVERLAP B	OVERLAP C	OVERLAP D	
	NOT USED		NOT USED				NOT USED						OLB	OLC	OLD	
FACE NUMBERS		21 22		41 42 43	51	61 62		81 82 83	63 64				81	51	41	FACE NUMBERS
SIGNAL INDICATIONS R		R R		RL R	RL	R		RL R	DW				RL	RL	RL	R
SIGNAL INDICATIONS Y		Y Y		YL Y	YL	Y		YL Y					YL	YL	YL	Y
SIGNAL INDICATIONS FYA				FYL	FYL			FYL					FYL	FYL	FYL	FYA
SIGNAL INDICATIONS G		S G		G	L	G		G	W							G
DETECTOR ASSIGNMENTS		21 22		41 42 43	51	61 62		81 82 83								DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)									63 64							
OVERLAP PARENT PHASES													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
YRt	YELLOW RIGHT ARROW
RT.	GREEN RIGHT ARROW
LY -YL	YELLOW LEFT ARROW
L	GREEN LEFT ARROW
S	GREEN STRAIGHT AHEAD ARROW
G	CIRCULAR GREEN
Y	CIRCULAR YELLOW
R	CIRCULAR RED
RL	RED LEFT ARROW
Ø	TRAFFIC PHASE
AO	ALL OTHERS
FR	FLASHING RED
FY	FLASHING CIRCULAR YELLOW
FYL	FLASHING YELLOW LEFT ARROW

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FLASHING OPERATION	
ROUTE 61/67	FR
CENTRAL CITY/SOUTH LAKEVIEW PLAZA	FR

CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF

ROUTE 61/67 & CENTRAL CITY/SOUTH LAKEVIEW PLAZA

SHEET 50 OF 79

SIGNAL SHEET

US ROUTE 61/67
CENTRAL CITY/
SOUTH LAKEVIEW PLAZA
SIGNAL QUANTITIES

D-38E

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	176

COUNTY: ST. LOUIS
JOB NO.: J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

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SCALE
0 20 40 60

EXIST. R/W
PERM. ESM'T
T.C.E.
EXIST. PULL BOX #3 (UIP)
EXIST. SIGNAL POLE #6 (UIP)
Lemay Ferry Rd (EX)
(G)(EX)
(C)(EX)
EXIST. R/W
12' LANE
10' LANE
11' LANE
NEXT SIGNAL 1800' I-255 EXIT SOUTH SPEED LIMIT = 40 MPH
675
50
EXIST. R/W
EXIST. SIGNAL POLE #5 (UIP)
EXIST. PULL BOX #2 (UIP)
EXIST. PEDESTAL POLE #4 (UIP)
(I)(EX)
PERM. ESM'T
Forder Rd (EX)
(EX)(C)
(EX)(I)
(EX) Forder Rd
EXIST. PULL BOX #4 (UIP)
EXIST. CCTV (UIP)
EXIST. SIGNAL POLE #7 (UIP)
(EX) MOUNTED TO SIGNAL POLE (K)
S52°45'17"E
N48°24'00"E
EXIST. PEDESTAL POLE #1 (UIP)
(EX) Lemay Ferry Rd
EXIST. SIGNAL POLE #3 (UIP)
EXIST. SIGNAL POLE #2 (UIP)
EXIST. R/W
LEMAY FERRY RD.
NEXT SIGNAL 590' CENTRAL CITY SPEED LIMIT = 40 MPH
11' LANE
12' LANE
13' LANE
FORDER RD.
EXIST. FIBER PULL BOX (UIP)
PERM. ESM'T
EXIST. PULL BOX #1 (UIP) STA. 674+15.24, 82.2' RT.
INSTALL TEMP. SIGNAL CONTROLLER ON OR NEAR PULL BOX #1
EXIST. SIGNAL CONTROLLER (R&R INCLUDING LANDING PAD) STA. 674+02.24, 73.6' RT.
EXIST. POWER SUPPLY (R)
INSTALL POWER SUPPLY STA. 673+46.3, 62.1' RT.
EXIST. POWER SOURCE (UIP)
T.C.E.
EXIST. R/W
EXIST. R/W

W4-3R
(K)

SIGN R10-3EL (A) OR SIGN R10-3ER (B)
INSTALLED ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

ONLY
R3-5L (C)

R3-8 (G)

DO NOT BLOCK INTERSECTION
R10-7 (I)

R3-6L (L)

LEMAY FERRY ROAD
FORDER ROAD
Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8

SHEET 51 OF 79

SIGNAL PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD AT
FORDER ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
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DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 177
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

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REV.	DESCRIPTION	DATE
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EFFECTIVE: 07/01/2018

| POST NUMBER | PULL BOX NUMBER | LOCATION APPROACH | LOCATION STATION | LOCATION OFFSET | BASE A 9 | BASE A 9.5 | BASE A 10 | BASE A 10.5 | BASE A 11 | BASE A 12 | BASE F 9 | BASE F 9.5 | BASE F 10 | BASE F 10.5 | BASE F 11 | CONCRETE (CU. YDS.) ** BASE | CONCRETE (CU. YDS.) ** LANDING PAD | PULL BOX PREFORMED CLASS 1 | PREFORMED CLASS 2 | PREFORMED CLASS 3 | PREFORMED CLASS 5 | CONCRETE STANDARD | CONCRETE DOUBLE, TYPE A | CONCRETE DOUBLE, TYPE B | DRAIN TYPE* I | DRAIN TYPE* II A | DRAIN TYPE* II B | DRAIN TYPE* II C | POST TOP MOUNT POST 8 FT. | POST TOP MOUNT POST 15 FT. | TYPE C & CL ARM LENGTH A | 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 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"		
∅	∅UPS	(6')			(14')												FOR INFORMATIONAL PURPOSES
∅UPS	☒	58'			62'												
☒	1	15'			36'												2-3" CONDUIT
1	1	44'						EX									
1	2	37'						EX									
1	3	39'						EX									
1	2	124'						EX									
2	4	4'			EX												
2	5	8'			EX												
2	3	82'						EX									
3	6	11'			EX												
1	4	120'						EX									
4	7	14'			EX												
SUBTOTALS					98'												
TOTALS					98'												

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER*		REMARKS
			1c#2	1c#8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	VIDEO (1)	CCTV	SINGLE-MODE	MULTI-MODE	
∅	∅UPS	(6')		(66')												FOR INFORMATIONAL PURPOSES
∅UPS	☒	58'		222'												3-1C#6 CABLES
☒	1	63'			86'											PUSH BUTTON 64
☒	2	55'				80'										PEDESTRIAN HEAD 64
☒	2	55'										(125')				VIDEO V-1
☒	3	58'				83'										PEDESTRIAN HEAD 45
☒	3	58'			81'											PUSH BUTTON 45
☒	4	146'			175'											PUSH BUTTON 23
☒	4	146'			175'											PUSH BUTTON 46
☒	5	151'				182'										PEDESTRIAN HEAD 23
☒	5	151'				182'										PEDESTRIAN HEAD 46
☒	5	151'										(226')				VIDEO V-2
☒	6	259'				296'										PEDESTRIAN HEAD 24
☒	6	259'			294'											PUSH BUTTON 24
☒	6	259'										(330')				VIDEO V-3
☒	7	156'				187'										PEDESTRIAN HEAD 63
☒	7	156'			185'											PUSH BUTTON 63
☒	7	156'										(199')				VIDEO V-4
SUBTOTALS				222'	996'	1010'						(880')				
5% FOR SNAKING				233'	1046'	1061'						(924')				
TOTALS				240'	1050'	1070'						(930')				

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

* SEE ITS PLANS FOR QUANTITIES

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INTERSECTION US ROUTE 61/67 AND FORDER ROAD

SHEET 53 OF 79

SIGNAL SHEET

US ROUTE 61/67
FORDER ROAD
SIGNAL QUANTITIES

D-37B

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025

ROUTE 61/67 | STATE MO

DISTRICT SL | SHEET NO. 179

COUNTY ST. LOUIS

JOB NO. J6S3578

CONTRACT ID. .

PROJECT NO. .

BRIDGE NO. .

REV.	DESCRIPTION	DATE
	.	.

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EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
ROUTE 61/67	673+46.3	62.1' RT	Type	1	15 Amps	15 Amps	100 Amps	100 Amps	1	15 Amps	Ci. Ft.	EX
			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 61/67	673+78.0	63.4' RT			1									1			1					

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

ATC TRAFFIC SIGNAL CONTROLLER
TOTAL = 1 EACH

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY
TOTAL = 1 EACH

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
21, 22, 51, 52	SB ROUTE 61/67					V2
11, 61, 62	NB ROUTE 61/67					V4
31, 32, 33	WB FORDER RD					V3
41, 42, 43, 44	EB FORDER RD					V1
23	FORDER RD	1				
24	FORDER RD	1				
45	ROUTE 61/67	1				
46	ROUTE 61/67	1				
63	FORDER RD	1				
64	FORDER RD	1				
TOTAL		6				

* 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 SHOWN 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.

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	36 X 36	9.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
3	R10-3eL**	9 X 15	0.9	(2.7)	(3)
3	R10-3eR**	9 X 15	0.9	(2.7)	(3)
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	0.0	0
			TOTAL	0	0

**NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
∅1 NBL	∅2 SBT	∅3 WB	∅4 EB	∅5 SBL	∅6 NBT	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	∅2 PED	∅4 PED	∅6 PED	NOT USED

ROUTE 61/67 & FORDER ROAD
INTERSECTION

SHEET 54 OF 79

SIGNAL SHEET

US ROUTE 61/67
FORDER ROAD
SIGNAL QUANTITIES

D-37C

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 180
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION | DATE | REV.

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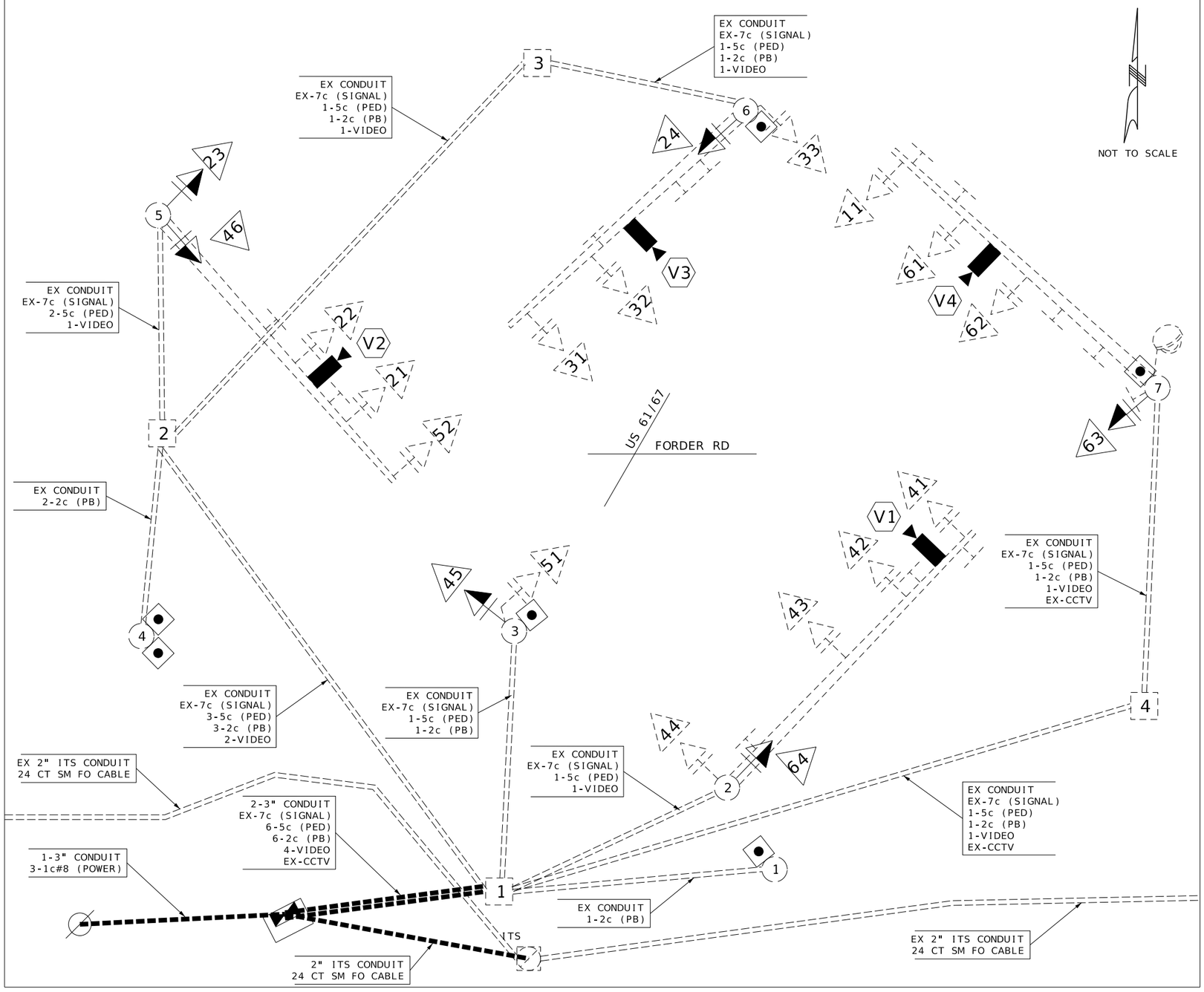
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PE-2014041301

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EFFECTIVE 12-01-17

WIRING DIAGRAM



US ROUTE 61/67 & FORDER ROAD

INTERSECTION

LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTOR
	CCTV

SHEET 55 OF 79

SIGNAL SHEET

US ROUTE 61/67
FORDER ROAD
SIGNAL QUANTITIES

D-37D

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DATE PREPARED: 07/25/2025
ROUTE: 61/67
STATE: MO
DISTRICT: SL
SHEET NO.: 181
COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

REV.	DESCRIPTION	DATE
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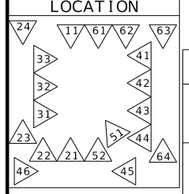
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SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

		PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 2 OVERLAP	PED Ø 4 OVERLAP	PED Ø 6 OVERLAP	
								NOT USED	NOT USED				
FACE NUMBERS		11	21	31 32	41 42 43 44	51	61			23	45	63	FACE NUMBERS
			22	33		52	62			24	46	64	
SIGNAL INDICATIONS	R	RL	R	RL R	RL R R R	RL	R			DW	DW	DW	R
	Y	YL	Y	YL Y	YL Y Y Y	YL	Y						Y
	FYA												FYA
	G	L	G	L G	L S S G	L	S			W	W	W	G
					L								SIGNAL INDICATIONS
DETECTOR ASSIGNMENTS		11	21 22	31 32 33	41 42 43 44	51	61 62						DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)										23 24	45 46	63 64	
OVERLAP PARENT PHASES													

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

BARRIER

RING STRUCTURE

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

LEGEND

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

FLASHING OPERATION	
ROUTE 61/67	FR
FORDER ROAD	FR

CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF

ROUTE 61/67 & FORDER ROAD

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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	182

COUNTY: ST. LOUIS

JOB NO.: J6S3578

CONTRACT ID.: .

PROJECT NO.: .

BRIDGE NO.: .

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

REV.	DESCRIPTION	DATE
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.	.	.

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

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16305 SWINGLEY RIDGE RD
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CHESTERFIELD, MO 63017
314.231.0100
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

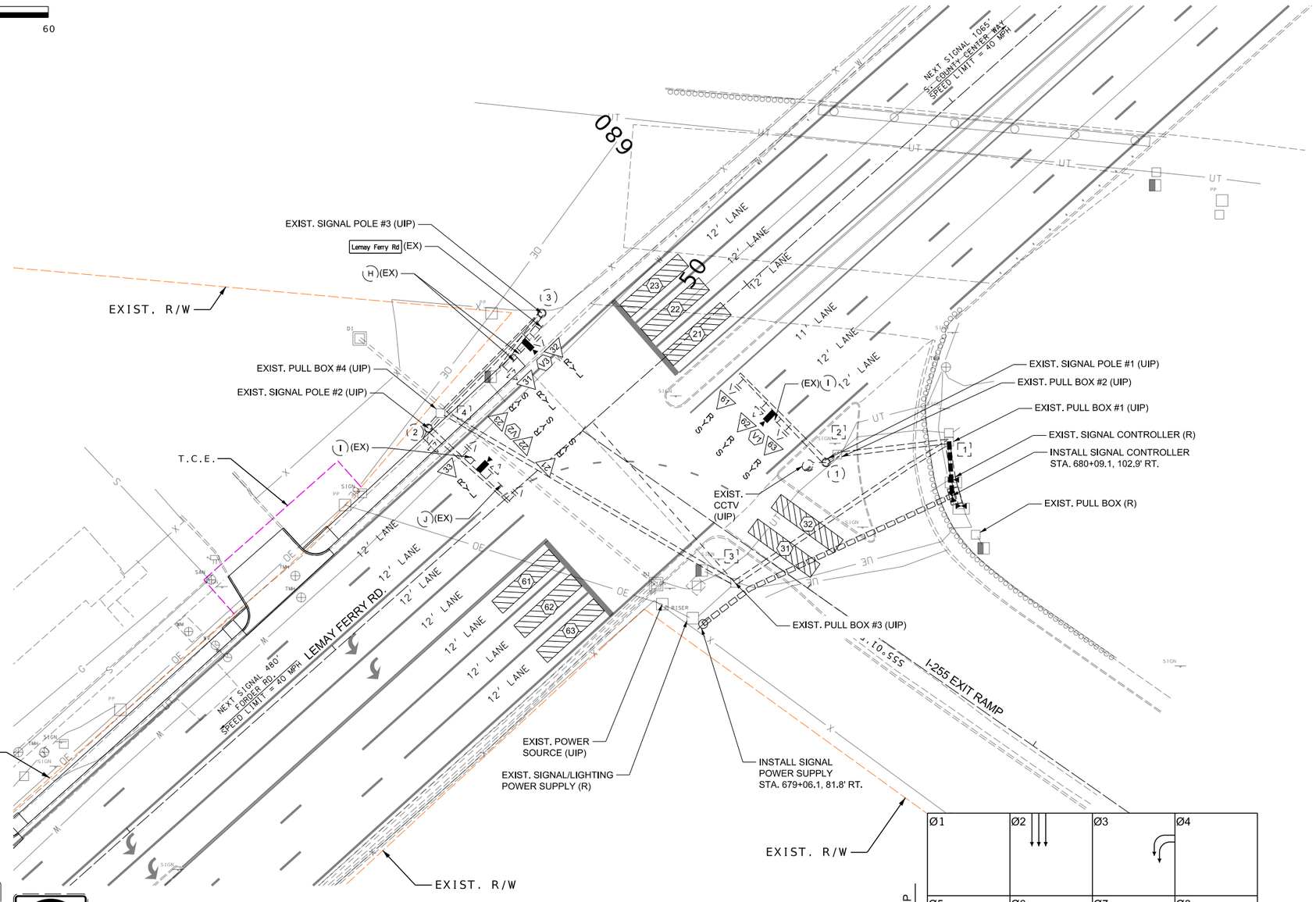
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PROFESSIONAL ENGINEER
PE-2014041301

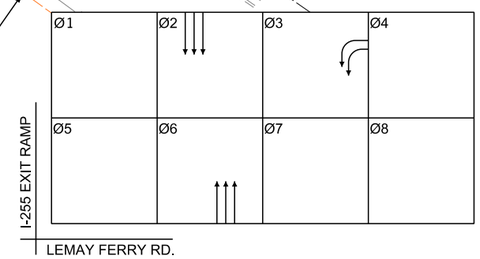
SCALE

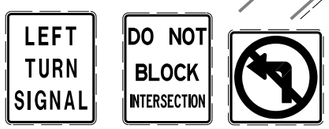
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R10-10L (H) R10-7 (I) R3-2 (J)

SHEET 57 OF 79

SIGNAL PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD AT
I-255 EXIT RAMP

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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	183

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

DESCRIPTION	DATE
.	.

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

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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

c:\bms\gba-pw-01\regan hutchinson\dms13774\183_SG_13_J6S3578_i20.dgn 11:11:48 AM 07/25/2025

EFFECTIVE: 07/01/2018

| POST NUMBER | PULL BOX NUMBER | LOCATION: APPROACH | LOCATION: STATION | LOCATION: OFFSET | BASE: A: 9 | A: 9.5 | A: 10 | A: 10.5 | A: 11 | A: 12 | F: 9 | F: 9.5 | F: 10 | F: 10.5 | F: 11 | F: 12 | C | CONCRETE** (CU. YDS.) | PULL BOX: PREFORMED: CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | CONCRETE: STANDARD | DOUBLE, TYPE A | DOUBLE, TYPE B | DRAIN TYPE* I | II A | II B | II C | POST: TOP MOUNT POST 8 FT. | 15 FT. | TYPE C & CL: ARM LENGTH A | A | A | A | SIGNAL SPACING B | C | D | D' | SIGN SPACING B | C | D | D' | TYPE B & BL: ARM LENGTH E | K | E | K | E | K | LEFT ARM E: SIGNAL SPACING F | G | H | H' | SIGN SPACING F | G | H | H' | RIGHT ARM K: SIGNAL SPACING L | M | N | N' | SIGN SPACING L | M | N | N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM* 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE: 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"		
Ø	Ø UPS	(17')			(25')												FOR INFORMATIONAL PURPOSES
Ø UPS	☒	102'							106'								
☒	1	20'			46'												2-3" CONDUIT
1	2	41'							EX								
2	(1)	5'			EX												
1	3	93'							EX								
3	4	124'							EX								
4	(2)	7'			EX												
4	(3)	52'			EX												
SUBTOTALS					46'				106'								
TOTALS					46'				106'								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER*		REMARKS
			1c#2	1c#8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	VIDEO (1)	CCTV	SINGLE-MODE	MULTI-MODE	
Ø	Ø UPS	(17')		(99')												FOR INFORMATIONAL PURPOSES
Ø UPS	☒	102'		354'												3-1C#6 CABLES
☒	(1)	66'										(134')				VIDEO V-1
☒	(2)	244'										(317')				VIDEO V-2
☒	(3)	289'										(350')				VIDEO V-3
SUBTOTALS				354'								(801')				
5% FOR SNAKING				372'								(841')				
TOTALS				380'								(850')				

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

* SEE ITS PLANS FOR QUANTITIES

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INTERSECTION US ROUTE 61/67 AND I-255 EXIT RAMP

SIGNAL SHEET

US ROUTE 61/67
I-255 EXIT RAMP
SIGNAL QUANTITIES

D-37B

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025

ROUTE 61/67 | STATE MO

DISTRICT SL | SHEET NO. 185

COUNTY ST. LOUIS

JOB NO. J6S3578

CONTRACT ID. .

PROJECT NO. .

BRIDGE NO. .

REV. | DESCRIPTION | DATE

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

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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

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EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
							MAIN BREAKER					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	SIGNALS	LIGHTING	120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
ROUTE 61/67	679+06.1	81.8' RT	Type	1	15 Amps	15 Amps	100 Amps	100 Amps	1	15 Amps	Cl. Ft.	EX
			Type		Amps	Amps	Amps	Amps		Amps	Cl. 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 61/67	680+09.1	102.9' RT			1									1			1					

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

ATC TRAFFIC SIGNAL CONTROLLER
TOTAL = 1 EACH

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY
TOTAL = 1 EACH

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	36 X 36	9.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
	R10-3eL**	9 X 15	0.9		
	R10-3eR**	9 X 15	0.9		
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	0.0	0
			TOTAL	0	0

**NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
21, 22, 23	SB ROUTE 61/67					V2
61, 62, 63	NB ROUTE 61/67					V1
31, 32	I-255 EXIT RAMP					V3
TOTAL						

* 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 SHOWN 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.

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)

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NOT USED	∅2 SBT	∅3 WBL	NOT USED	NOT USED	∅6 NBT	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED

ROUTE 61/67 & I-255 EXIT RAMP
INTERSECTION

SHEET 60 OF 79

SIGNAL SHEET

US ROUTE 61/67
I-255 EXIT RAMP
SIGNAL QUANTITIES

D-37C

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 186
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DESCRIPTION | DATE

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

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16305 SWINGLEY RIDGE RD ST, 300
CHESTERFIELD, MO 63017
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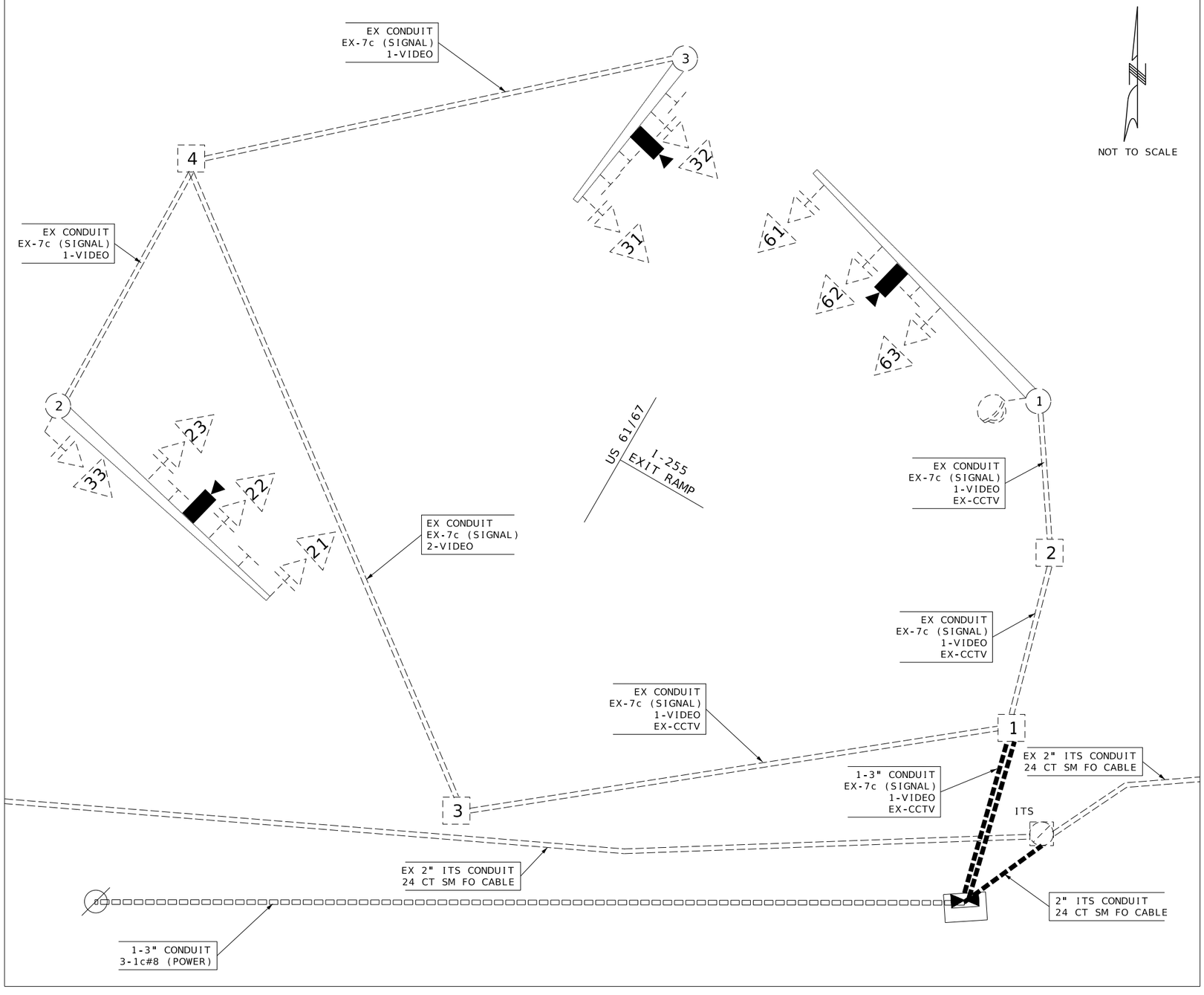
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PROFESSIONAL ENGINEER
PE-2014041301

REV.

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EFFECTIVE 12-01-17

WIRING DIAGRAM



US ROUTE 61/67 & I-255 EXIT RAMP

INTERSECTION

LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTOR
	CCTV

SHEET 61 OF 79

SIGNAL SHEET

US ROUTE 61/67
I-255 EXIT RAMP
SIGNAL QUANTITIES

D-37D

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DATE PREPARED: 07/25/2025
ROUTE: 61/67 | STATE: MO
DISTRICT: SL | SHEET NO.: 187
COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DATE	DESCRIPTION
.	.

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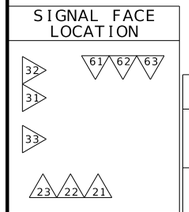
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REV.

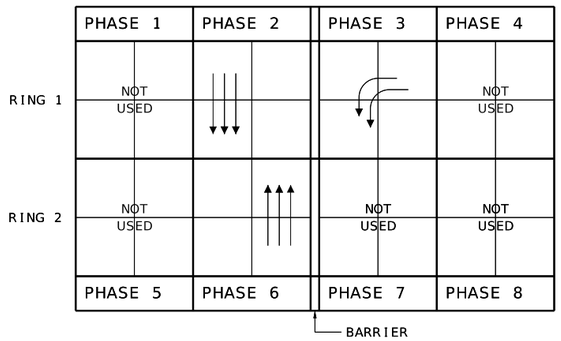
SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS



	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP	PED Ø OVERLAP	
FACE NUMBERS		21 **23**	31 33			61 63							FACE NUMBERS
		22	32			62							
SIGNAL INDICATIONS R		R R	R R			R R							R
SIGNAL INDICATIONS Y		Y Y	Y Y			Y Y							Y
SIGNAL INDICATIONS FYA													FYA
SIGNAL INDICATIONS G		S S	L L			S S							G
DETECTOR ASSIGNMENTS		21 23 22	**31** 33 32			61 63 62							DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)													
OVERLAP PARENT PHASES													



RING STRUCTURE

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

LEGEND

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

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FLASHING OPERATION	
ROUTE 61/67	FR
I-255 EXIT RAMP	FR

CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF

ROUTE 61/67 & I-255 EXIT RAMP

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
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DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	188

COUNTY: ST. LOUIS

JOB NO.: J6S3578

CONTRACT ID.: .

PROJECT NO.: .

BRIDGE NO.: .

DESCRIPTION	DATE
.	.

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JEFFERSON CITY, MO 65102
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KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

SHEET 62 OF 79

SIGNAL SHEET

US ROUTE 61/67
I-255 EXIT RAMP
SIGNAL QUANTITIES

D-38E

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SCALE
0 20 40 60

EXIST. CCTV POLE (UIP)
EXIST. R/W
EXIST. R/W
EXIST. R/W
EXIST. PUEL BOX #4 (UIP)
EXIST. PEDESTAL POLE #4 (UIP)
EXIST. PEDESTAL POLE #3 (UIP)
EXIST. SIGNAL POLE #2 (UIP)
EXIST. PULL BOX #3 (UIP)
S County Centerway (EX)
(M) (EX)
EXIST. R/W
EXIST. ITS FIBER PULL BOX (UIP)
(EX) S County Centerway
EXIST. SIGNAL POLE #5 (UIP)
EXIST. PULL BOX #5 (UIP)
EXIST. PEDESTAL POLE #6 (UIP)
(EX) Lemay Ferry Rd
S COUNTY CENTER WAY
EXIST. SIGNAL CONTROLLER (R)
EXIST. ITS FIBER PULL BOX #2 (UIP)
EXIST. PULL BOX #1 (UIP)
EXIST. PEDESTAL POLE #1 (UIP)
INSTALL SIGNAL CONTROLLER STA. 689+38.85, 57.1' RT.
EXIST. R/W
EXIST. PULL BOX (UIP)
EXIST. LIGHTING POWER SUPPLY (UIP)
EXIST. PULL BOX (UIP)
EXIST. ITS FIBER PULL BOX (UIP)
INSTALL POWER SUPPLY STA. 685+61, 69.9' RT.
LEMAY FERRY RD.
NEXT SIGNAL 930' LINDBERGH BLVD. SPEED LIMIT = 40 MPH
NEXT SIGNAL 1065' I-255 EXIT SOUTH SPEED LIMIT = 40 MPH
12' LANE
11' LANE
20' LANE
50
S40°33'37"E
N48°49'00"E

SIGN R10-3EL (A) OR SIGN R10-3ER (B)
INSTALLED ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

(SPECIAL) (M)

LEMAY FERRY RD.
S COUNTY CENTER WAY
Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8

SHEET 63 OF 79

SIGNAL PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD AT
S COUNTY CENTER WAY

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 189
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
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CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

c:\bms\gba-pw-01\regan hutchinson\dms13774\189_SG_14_J6S3578_i20.dgn 11:13:40 AM 07/25/2025

EFFECTIVE: 07/01/2018

POST NUMBER	PULL BOX NUMBER	LOCATION: APPROACH	LOCATION: STATION	LOCATION: OFFSET	BASE: A (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE: F (9 / 9.5 / 10 / 10.5 / 11 / 12)	BASE: C	BASE: CONCRETE** (CU. YDS.)	PULL BOX: PREFORMED CLASS 1	CLASS 2	CLASS 3	CLASS 5	CONCRETE: STANDARD	DOUBLE, TYPE A	DOUBLE, TYPE B	DRAIN TYPE* I	DRAIN TYPE* II A	II B	II C	TOP MOUNT POST 8 FT.	15 FT.
	☒	ROUTE 61/67	689+38.85	57.1' RT				1.93													
	T_1	EXISTING																			
	T_2	EXISTING																			
	T_3	EXISTING																			
	T_4	EXISTING																			
	T_5	EXISTING																			
(1)		EXISTING																			
(2)		EXISTING																			
(3)		EXISTING																			
(4)		EXISTING																			
(5)		EXISTING																			
(6)		EXISTING																			

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"		
∅	∅UPS	(7')			(15')												FOR INFORMATIONAL PURPOSES
∅UPS	☒	381'			293'				99'								
☒	2	28'			62'												2-3" CONDUIT
2	1	17'			EX												
2	3	115'							113'								
3	2	10'			EX												
3	3	17'			EX												
3	4	105'							EX								
4	4	10'			EX												
2	5	60'							58'								
5	5	10'			EX												
5	6	10'			EX												
SUBTOTALS					355'				270'								
TOTALS					355'				270'								

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER*		REMARKS
			1c#2	1c#8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	VIDEO (1)	CCTV	SINGLE-MODE	MULTI-MODE	
∅	∅UPS	(7')		(69')												FOR INFORMATIONAL PURPOSES
∅UPS	☒	381'		1191'												3-1C#6 CABLES
☒	1	45'				70'										PEDESTRIAN HEAD 44
☒	1	45'			68'											PUSH BUTTON 44
☒	1	45'				70'										PEDESTRIAN HEAD 64
☒	1	45'			68'											PUSH BUTTON 64
☒	2	153'				184'										PEDESTRIAN HEAD 45
☒	2	153'			182'											PUSH BUTTON 45
☒	2	153'										(215')				VIDEO V-2
☒	3	160'				191'										PEDESTRIAN HEAD 23
☒	3	160'			189'											PUSH BUTTON 23
☒	4	260'				297'										PEDESTRIAN HEAD 24
☒	4	260'			295'											PUSH BUTTON 24
☒	5	113'										(192')				VIDEO V-3
☒	6	93'				124'										PEDESTRIAN HEAD 63
☒	6	93'			122'											PUSH BUTTON 63
☒	6	93'										(147')				VIDEO V-1
SUBTOTALS				1191'	924'	936'						(893')				
5% FOR SNAKING				1251'	970'	983'						(938')				
TOTALS				1260'	980'	990'						(940')				

(1) NO DIRECT PAY FOR REQUIRED VIDEO DETECTOR CABLE

* SEE ITS PLANS FOR QUANTITIES

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INTERSECTION US ROUTE 61/67 AND S COUNTY CENTER WAY

SHEET 65 OF 79

SIGNAL SHEET

US ROUTE 61/67
S COUNTY CENTER WAY
SIGNAL QUANTITIES

D-37B

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025

ROUTE 61/67 | STATE MO

DISTRICT SL | SHEET NO. 191

COUNTY ST. LOUIS

JOB NO. J6S3578

CONTRACT ID. .

PROJECT NO. .

BRIDGE NO. .

REV.	DESCRIPTION	DATE

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

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16305 SWINGLEY RIDGE RD
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GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

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EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
ROUTE 61/67	685+61.0	69.9' RT	Type	1	15 Amps	15 Amps	100 Amps	100 Amps	1	15 Amps	Cl. Ft.	EX
			Type		Amps	Amps	Amps	Amps		Amps	Cl. 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 61/67	689+38.9	57.1' RT			1									1			1					

SL DISTRICT TRAFFIC SIGNAL DETECTION SYSTEM (3)
TOTAL = 1 EACH

NETWORK CONNECTED SIGNAL MONITOR
TOTAL = 1 EACH

ATC TRAFFIC SIGNAL CONTROLLER
TOTAL = 1 EACH

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY
TOTAL = 1 EACH

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	
21, 22, 51	SB ROUTE 61/67					V2
11, 12, 61, 62	NB ROUTE 61/67					V3
41, 42, 43	EB S COUNTY CENTER WAY					V1
23	S COUNTY CENTER WAY	1				
24	S COUNTY CENTER WAY	1				
44	ROUTE 61/67	1				
45	ROUTE 61/67	1				
63	S COUNTY CENTER WAY	1				
64	S COUNTY CENTER WAY	1				
TOTAL		6				

* 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 SHOWN 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.

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	36 X 36	9.0		
	R3-1	24 X 24	4.0		
	R3-3	24 X 24	4.0		
	D3-1 ***	VAR. X 18			
	D3-1 ***	VAR. X 18			
	D3-1B ***	VAR. X 18			
2	R10-3eL**	9 X 15	0.9	(1.8)	(2)
4	R10-3eR**	9 X 15	0.9	(3.6)	(4)
	R10-11A	24 X 30	5.0		
	R10-13	36 X 24	6.0		
	R10-27A	30 X 36	7.5		
			SUBTOTAL	0.0	0
			TOTAL	0	0

**NOTE: NO DIRECT PAY FOR REQUIRED R10-3E SIGNS AND MOUNTING HARDWARE TO BE INCLUDED AS INCIDENTAL TO COST OF THE PUSH BUTTON.

NEMA LOAD SWITCH ASSIGNMENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
∅1 NBL	∅2 SBT	NOT USED	∅4 EB	∅5 SBL	∅6 NBT	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	∅2 PED	∅4 PED	∅6 PED	NOT USED

ROUTE 61/67 & S COUNTY CENTER WAY
INTERSECTION

SHEET 66 OF 79

SIGNAL SHEET

US ROUTE 61/67
S COUNTY CENTER WAY
SIGNAL QUANTITIES

D-37C

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 192
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

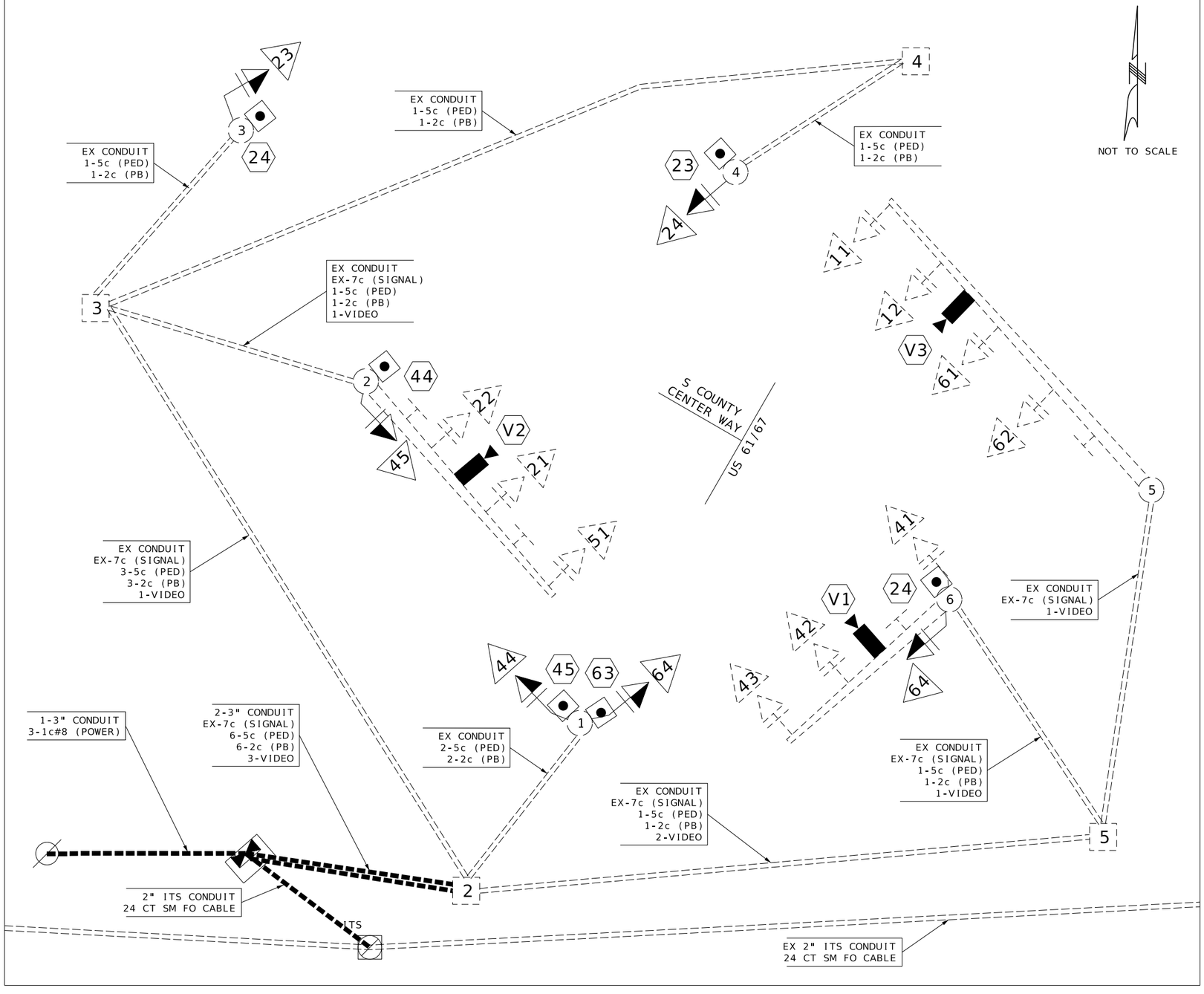
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

EFFECTIVE 12-01-17

WIRING DIAGRAM



US ROUTE 61/67 & S COUNTY CENTER WAY

INTERSECTION

LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTOR
	CCTV

SHEET 67 OF 79

SIGNAL SHEET

US ROUTE 61/67
S COUNTY CENTER WAY
SIGNAL QUANTITIES

D-37D

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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED: 07/25/2025
ROUTE: 61/67
STATE: MO
DISTRICT: SL
SHEET NO.: 193
COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

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REV.	DESCRIPTION	DATE
.	.	.

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

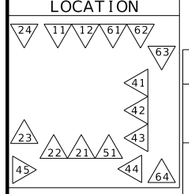
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PE-2014041301

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SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

		PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 2 OVERLAP	PED Ø 4 OVERLAP	PED Ø 6 OVERLAP	PED Ø OVERLAP	
FACE NUMBERS		11	21		41 42 43	51	61			23	44	63		FACE NUMBERS
		12	22				62			24	45	64		
SIGNAL INDICATIONS	R	RL	R		RL R R	RL	R			DW	DW	DW		R
	Y	YL	Y		YL Y Y	YL	Y							Y
	FYA													FYA
	G	L	S		L G S	L	S			W	W	W		G
DETECTOR ASSIGNMENTS		11 12	21 22		41 42 43	51	61 62							DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)										23 24	44 45	63 64		
OVERLAP PARENT PHASES														

RING STRUCTURE

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

LEGEND

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

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FLASHING OPERATION	
ROUTE 61/67	FR
S COUNTY CENTER WAY	FY

CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF

ROUTE 61/67 & S COUNTY CENTER WAY

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	194

COUNTY: ST. LOUIS

JOB NO.: J6S3578

CONTRACT ID.: .

PROJECT NO.: .

BRIDGE NO.: .

DESCRIPTION

DATE

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

SHEET 68 OF 79

SIGNAL SHEET

US ROUTE 61/67
S COUNTY CENTER WAY
SIGNAL QUANTITIES

D-38E

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

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GENERAL NOTE:
EXISTING RADAR ON SIGNAL POLES TO BE USE IN PLACE.

NOTE #1
ROTATE PEDESTAL POST #6 90° CCW. POSITION EXISTING SIGNS AND PUSHBUTTONS TO CORRESPOND WITH CORRECT CROSSWALK.

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SCALE
0 20 40 60

EXIST. R/W
EXIST. CCTV POLE (UIP)
EXIST. PULL BOX #5 (UIP)
EXIST. LED LIGHT POLE (UIP)
EXIST. SIGNAL PEDESTAL POLE #6 SEE NOTE #1
EXIST. SIGNAL POLE #5 (UIP)
Lemay Ferry Rd (EX)
(EX) Lindbergh Blvd
EXIST. PULL BOX #2 (UIP)
EXIST. PULL BOX (UIP)
EXIST. POWER SUPPLY (R)
EXIST. LIGHTING PULL BOX (UIP)
INSTALL POWER SUPPLY (LIGHTING/SIGNAL) STA. 700+54.5, 67.0' RT.
EXIST. SIGNAL CONTROLLER (R)
EXIST. PULL BOX (UIP)
INSTALL SIGNAL CONTROLLER STA. 700+38.8, 78.9' RT.
EXIST. SIGNAL POLE #1 (UIP)
EXIST. ITS PULL BOX (UIP)
EXIST. LED LIGHT POLE (UIP)
EXIST. R/W
NEXT SIGNAL 850' CORDES DR. SPEED LIMIT = 35 MPH
EXIST. LED LIGHT POLE (UIP)
EXIST. SIGNAL PEDESTAL POLE #4 (UIP)
EXIST. PULL BOX #4 (UIP)
EXIST. SIGNAL POLE #3 (UIP)
Lindbergh Blvd (EX)
EXIST. R/W
EXIST. SIGNAL POLE #2 (UIP)
EXIST. PULL BOX #3 (UIP)
T.C.E.
LEMAY FERRY RD.
LINDBERGH BLVD.
NEXT SIGNAL 1000' HOME DEPOT ENTRANCE SPEED LIMIT = 35 MPH
EXIST. R/W
EXIST. PRIVATE LIGHT POLE (UIP)
EXIST. LED LIGHT POLE (UIP)
EXIST. R/W
EXIST. R/W
EXIST. LED LIGHT POLE (UIP)
EXIST. R/W

SIGN R10-3EL (A) OR SIGN R10-3ER (B)
INSTALLED ABOVE PUSH BUTTONS (INCLUDED IN COST FOR AUDIBLE PEDESTRIAN PUSH BUTTON)

LEFT TURN SIGNAL
R10-10L (H)

LEMAY FERRY ROAD / LINDBERGH BOULEVARD
Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8

SHEET 69 OF 79

SIGNAL PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD AT
LINDBERGH BOULEVARD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 195
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

c:\bms\gba-pw-01\regan hutchinson\dms13774\195_SG_15_J6S3578_i20.dgn 11:15:25 AM 07/25/2025

EFFECTIVE: 07/01/2018

| POST NUMBER | PULL BOX NUMBER | LOCATION: APPROACH | LOCATION: STATION | LOCATION: OFFSET | BASE: A: 9 | A: 9.5 | A: 10 | A: 10.5 | A: 11 | A: 12 | F: 9 | F: 9.5 | F: 10 | F: 10.5 | F: 11 | F: 12 | C | CONCRETE** (CU. YDS.) | PULL BOX: PREFORMED: CLASS 1 | CLASS 2 | CLASS 3 | CLASS 5 | CONCRETE: STANDARD | DOUBLE, TYPE A | DOUBLE, TYPE B | DRAIN TYPE* I | II A | II B | II C | POST: TOP MOUNT POST 8 FT. | 15 FT. | TYPE C & CL: ARM LENGTH A | A | A | A | SIGNAL SPACING B | C | D | D' | SIGN SPACING B | C | D | D' | TYPE B & BL: ARM LENGTH E | K | E | K | E | K | LEFT ARM E: SIGNAL SPACING F | G | H | H' | SIGN SPACING F | G | H | H' | RIGHT ARM K: SIGNAL SPACING L | M | N | N' | SIGN SPACING L | M | N | N' | INCLUDED ANGLE | LUMINAIRE BRACKET ARM* 4 FT. | 6 FT. | 8 FT. | 10 FT. | 12 FT. | 15 FT. |
|---|---|---

EFFECTIVE: 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"		
∅	$\varnothing_{UPS}$	(31')			(39')												FOR INFORMATIONAL PURPOSES
$\varnothing_{UPS}$	☒	19'			23'												
☒	1	5'			19'												2-3" CONDUIT
SUBTOTALS					42'												
TOTALS					42'												

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER*		REMARKS
			1c#2	1c#8	2c #16	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	VIDEO (1)	CCTV	SINGLE-MODE	MULTI-MODE	
∅	$\varnothing_{UPS}$	(31')		(141')												FOR INFORMATIONAL PURPOSES
$\varnothing_{UPS}$	☒	19'		105'												3-1C#6 CABLES
SUBTOTALS				105'												
5% FOR SNAKING				111'												
TOTALS				120'												

* SEE ITS PLANS FOR QUANTITIES

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INTERSECTION US ROUTE 61/67 AND LINDBERGH BOULEVARD

SHEET 71 OF 79

SIGNAL SHEET

US ROUTE 61/67
LINDBERGH BOULEVARD
SIGNAL QUANTITIES

D-37B

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	197

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

DESCRIPTION	DATE
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.	.
.	.
.	.
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.	.

REV.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
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PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

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EFFECTIVE 04-01-2018

POWER SUPPLY

LOCATION			POWER SUPPLY ASSEMBLY		CIRCUIT BREAKER TRIP RATING*				LIGHTING CONTROL * (ON POWER SUPPLY)		SERVICE POLE	
					CONTROLLER		POWER SUPPLY DISCONNECT					
APPROACH	STATION	OFFSET	DRAWING 902.15	SPECIAL DRAWING (4)	AUXILIARY BREAKER	CONT & SIGNAL LAMPS	MAIN BREAKER		120 VOLT CONTROL CABINET	MAIN BREAKER	CONTRACT FURNISH	UTILITY COMPANY
							SIGNALS	LIGHTING				
ROUTE 61/67	700+54.5	67.0' RT	Type	1	15 Amps	15 Amps	100 Amps	100 Amps	1	15 Amps	Cl. Ft.	EX
			Type		Amps	Amps	Amps	Amps		Amps	Cl. Ft.	

CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

LOCATION			SYSTEM MASTER (CLOSED LOOP)		ACTUATED		ON-OFF* SWITCH TYPE		COORDINATION INTERFACE *						TIME * CLOCK	NEMA CABINET TYPE *			170 CABINET TYPE *		170 SOFTWARE *	
									12C/7C HARDWIRE (1)		TIME BASE	CLOSED LOOP		FIBER								
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	II	MASTER	LOCAL		NEMA	170			E	EV	DOUBLE	332	336S	BITRAN	WAPITI
ROUTE 61/67	700+38.8	78.9' RT			1									1			1					

NETWORK CONNECTED SIGNAL MONITOR

TOTAL = 1 EACH

ATC TRAFFIC SIGNAL CONTROLLER

TOTAL = 1 EACH

PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

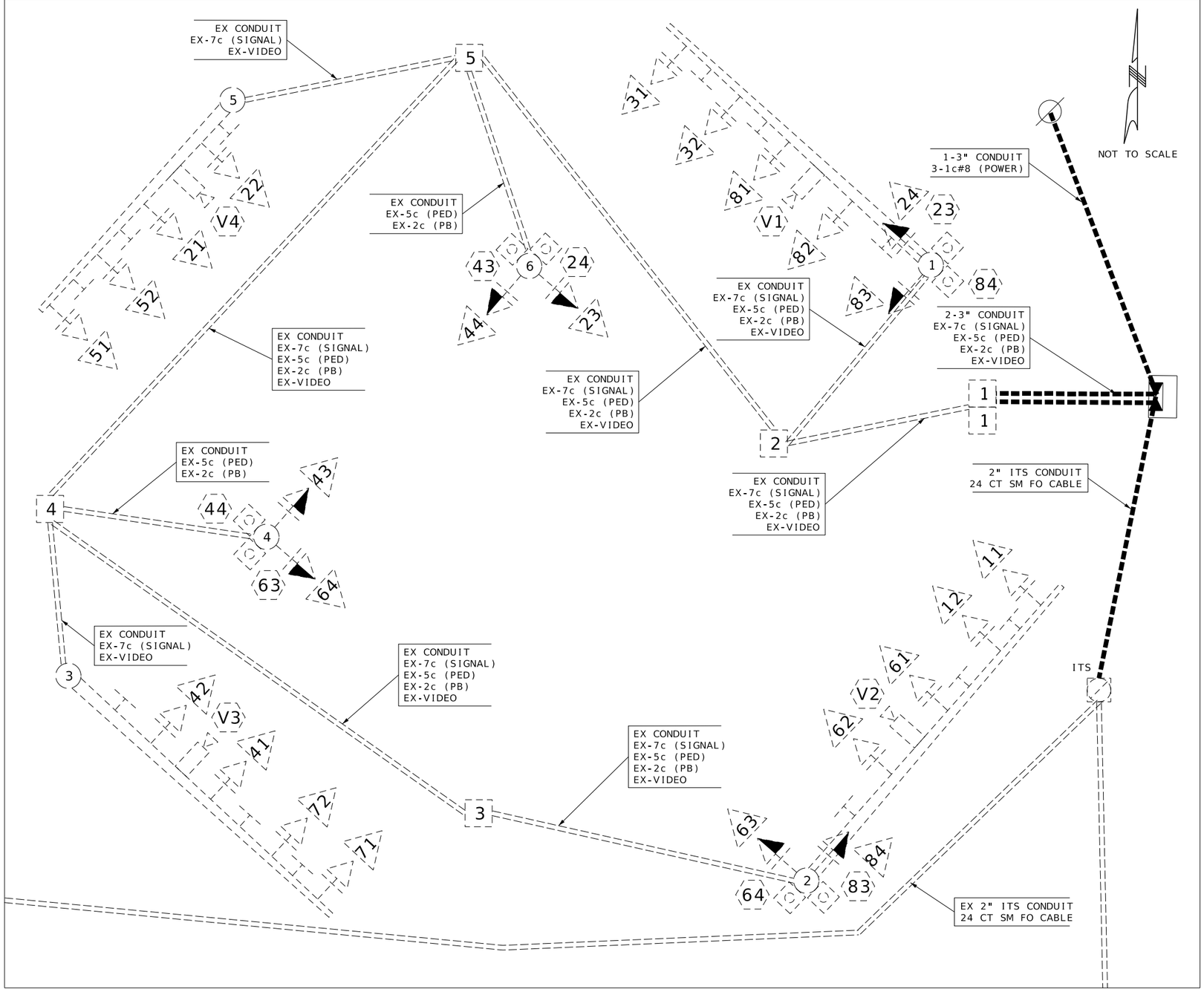
TOTAL = 1 EACH

DETECTOR SCHEDULE

DETECTOR NUMBER	APPROACH	TYPE				
		AUDIBLE PUSH BUTTON	INDUCTION LOOP (2)			OPTIONAL DETECTION (3)
			STANDARD	DELAY/ EXTEND *	CALL UNIT *	

EFFECTIVE 12-01-17

WIRING DIAGRAM



US ROUTE 61/67 & LINDBERGH BOULEVARD

INTERSECTION

LEGEND

3"	CONDUIT CONTAINING CABLE WITH SIZE
	CABLE
X-Xc	MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
LIC	#14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
X	PULL BOX WITH NUMBER
X	POST WITH NUMBER
X	POST WITH MAST ARM
X	POST WITH MAST ARM AND LUMINAIRE
X	DETECTOR WITH NUMBER
X	SIGNAL HEAD WITH NUMBER
	SIGNAL CONTROLLER
	POWER SUPPLY
	LIGHTING CONTROLLER
	VIDEO DETECTOR
	CCTV

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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED: 07/25/2025
ROUTE: 61/67 | STATE: MO
DISTRICT: SL | SHEET NO.: 199
COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DATE	DESCRIPTION
.	.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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KENDRA MILLER
PROFESSIONAL
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PE-2014041301

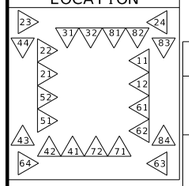
REV.

SIGNAL SHEET

US ROUTE 61/67
LINDBERGH BOULEVARD
SIGNAL QUANTITIES

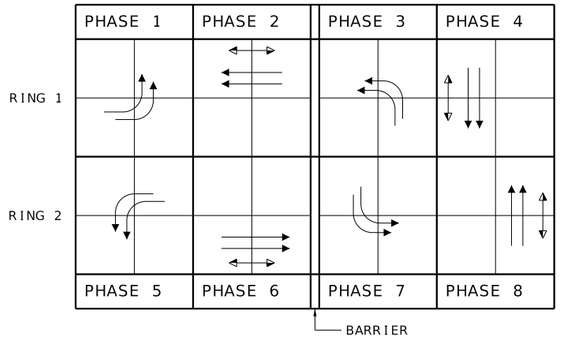
D-37D

SIGNAL FACE LOCATION



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PED Ø 2 OVERLAP	PED Ø 4 OVERLAP	PED Ø 6 OVERLAP	PED Ø 8 OVERLAP	
FACE NUMBERS	11	21	31	41	51	61	71	81	23	43	63	83	FACE NUMBERS
	12	22	32	42	52	62	72	82	24	44	64	84	
SIGNAL INDICATIONS R	RL	R	RL	R	RL	R	RL	R	DW	DW	DW	DW	R
SIGNAL INDICATIONS Y	YL	Y	YL	Y	YL	Y	YL	Y					Y
SIGNAL INDICATIONS FYA													FYA
SIGNAL INDICATIONS G	L	S	L	S	L	S	L	S	W	W	W	W	G
DETECTOR ASSIGNMENTS	11 12	21 22	31 32	41 42	51 52	61 62	71 72	81 82					DETECTOR ASSIGNMENTS
DETECTOR ASSIGNMENTS (PEDS. ONLY)									23 24	43 44	63 64	83 84	
OVERLAP PARENT PHASES													



RING STRUCTURE

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

LEGEND

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

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FLASHING OPERATION	
ROUTE 61/67	FR
LINDBERGH BOULVARD	FR
CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF

ROUTE 61/67 & LINDBERGH BOULEVARD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	200

COUNTY: ST. LOUIS

JOB NO.: J6S3578

CONTRACT ID.: .

PROJECT NO.: .

BRIDGE NO.: .

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REV.	DESCRIPTION	DATE
.	.	.

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

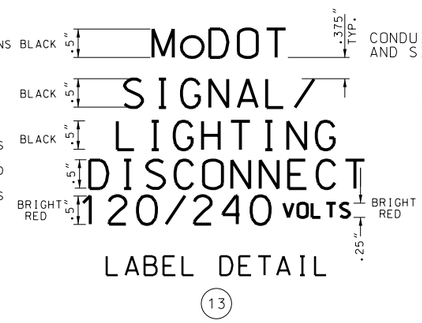
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PE-2014041301

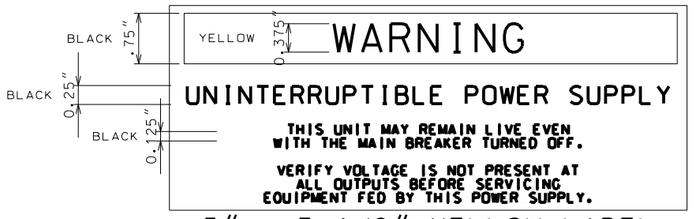
GENERAL NOTES:

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.



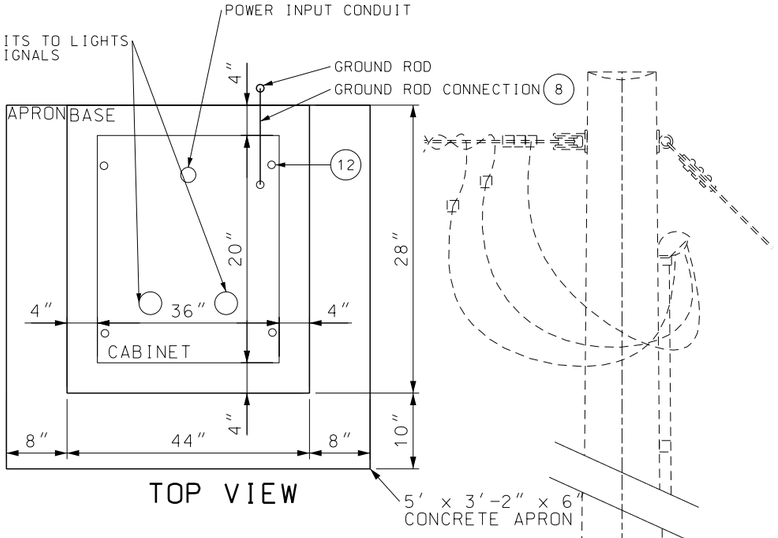
LABEL DETAIL

(13)



5" x 3 1/2" YELLOW LABEL

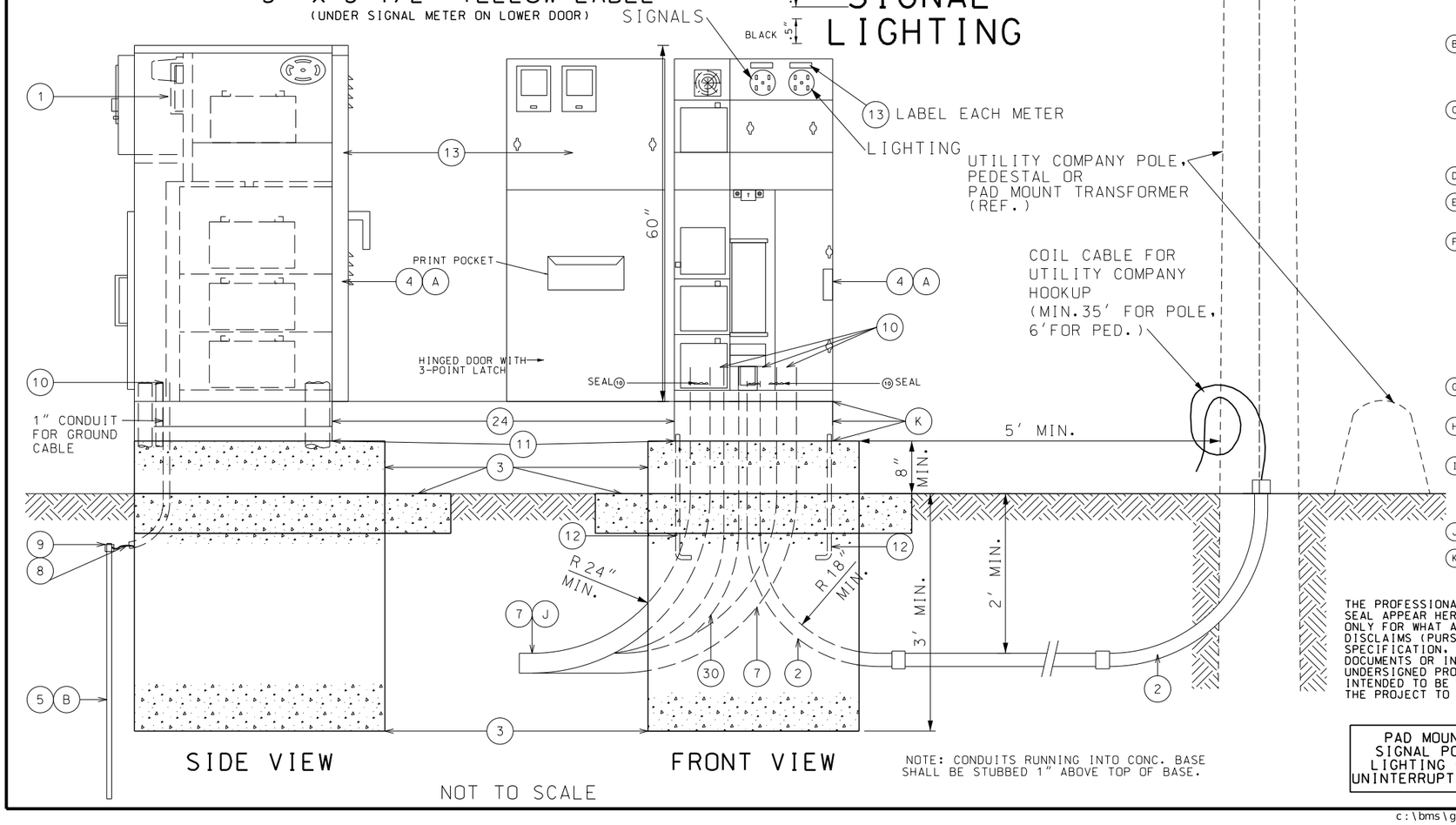
(UNDER SIGNAL METER ON LOWER DOOR)



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 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.

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PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

SIGNAL SHEET

US ROUTE 61/67
LEMAY FERRY ROAD
SIGNAL DETAIL

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	201

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

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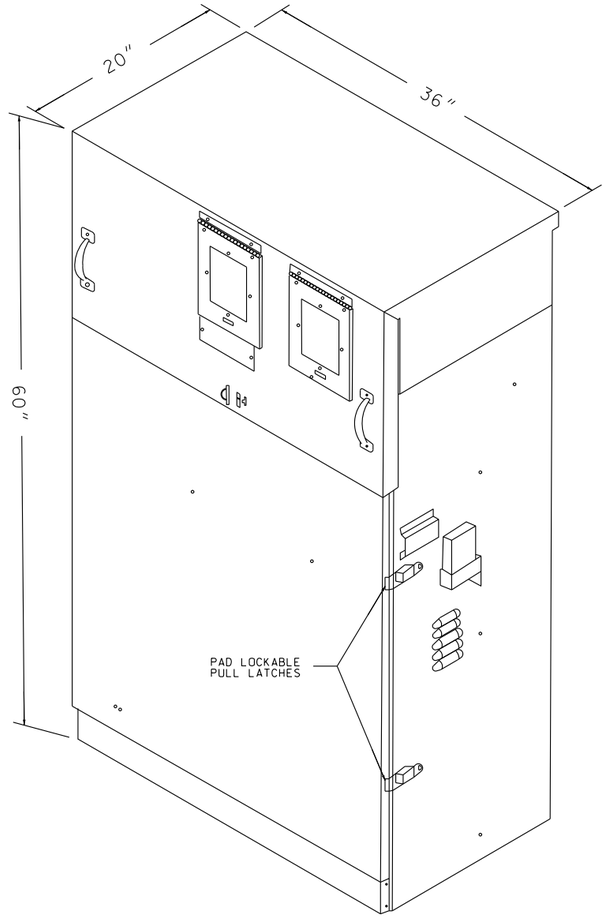
REV.	DESCRIPTION	DATE
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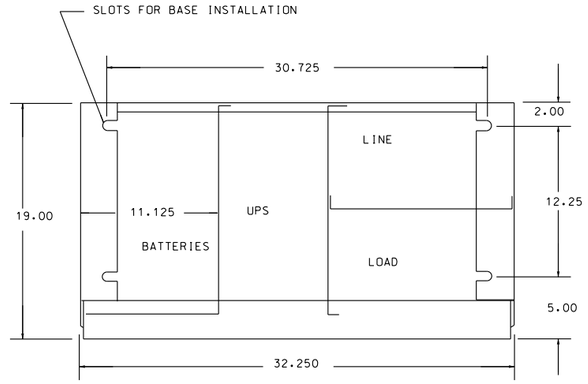
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PROFESSIONAL ENGINEER
PE-2014041301

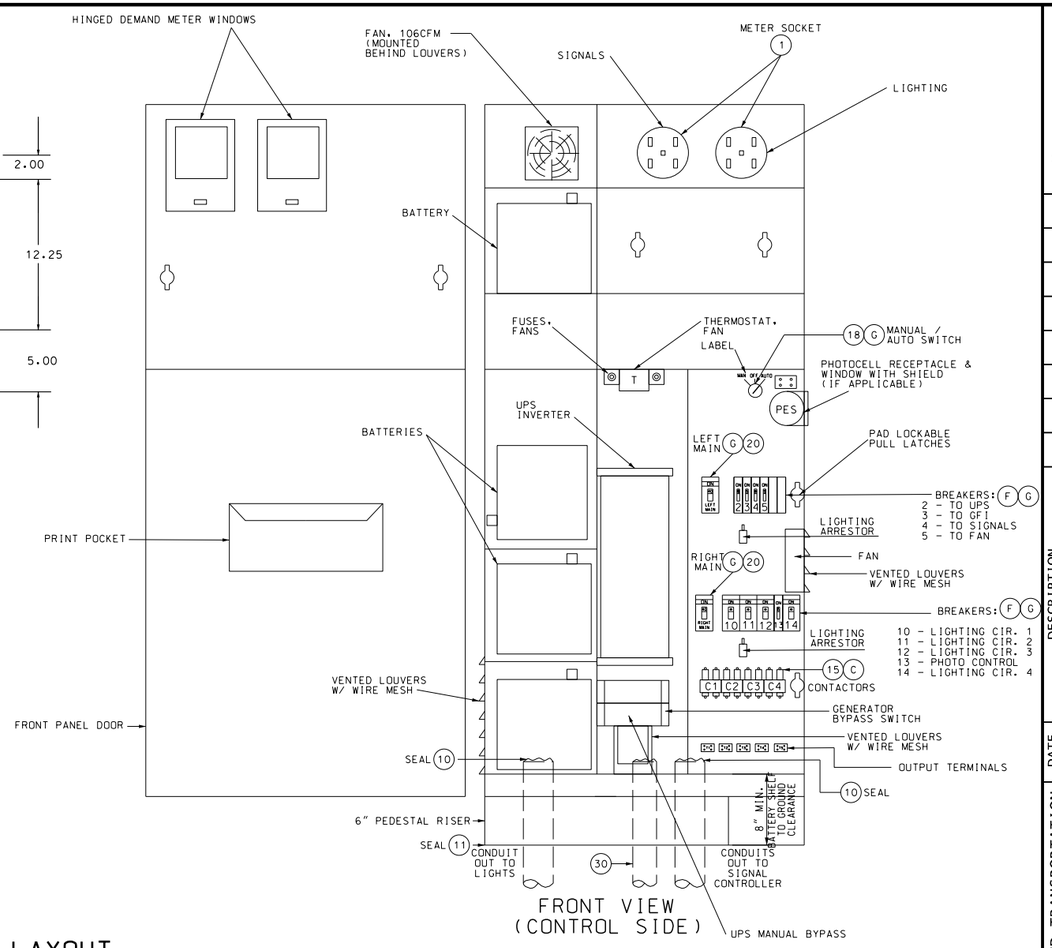




PEDESTAL PLAN VIEW

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.

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PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

SIGNAL SHEET

US ROUTE 61/67
LEMAY FERRY ROAD
SIGNAL DETAIL

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	202

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DATE	DESCRIPTION
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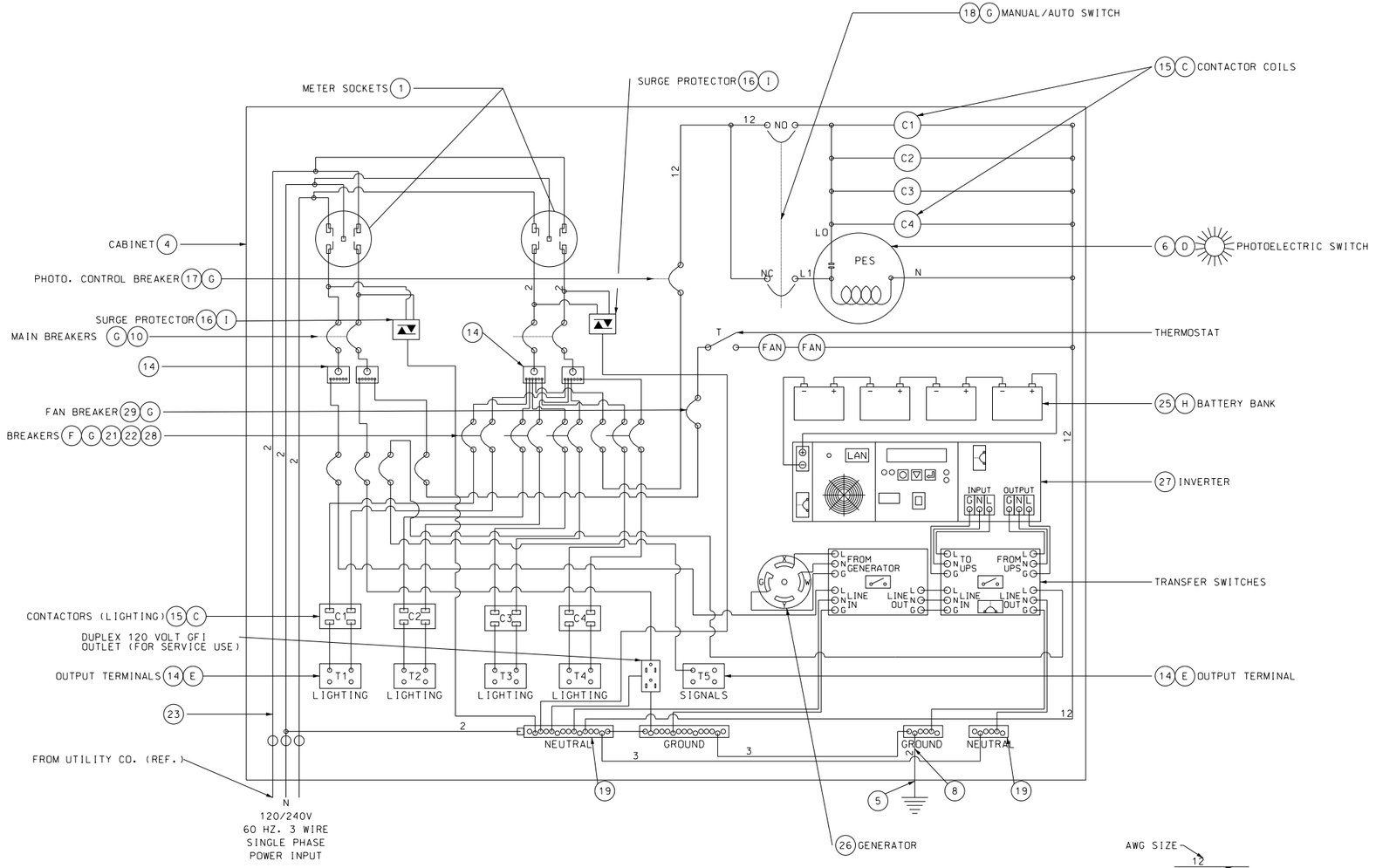
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.



WIRING DIAGRAM

LIST OF MATERIALS	
ITEM	DESCRIPTION
1	METER SOCKET, 200 AMP, WITH LEVER TEST BYPASS
2	RIGID STEEL CONDUIT, 2" MIN. TO UTILITY CO. FACILITIES
3	CLASS B CONCRETE, 1.3 cu. yd. (MIN.)
4	NEMA 3R, DUST-TIGHT, WATERTIGHT CABINET
5	GROUND ROD, 3/4" DIA. x 8' MIN. (MIN. 8' IN SOIL)
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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

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PAD MOUNTED 120V/240V SIGNAL POWER SUPPLY AND LIGHTING CONTROLLER WITH UNINTERRUPTIBLE POWER SUPPLY

SIGNAL SHEET

US ROUTE 61/67
LEMAY FERRY ROAD
SIGNAL DETAIL

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
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DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	203

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JOB NO.: J6S3578
CONTRACT ID.: .
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BRIDGE NO.: .

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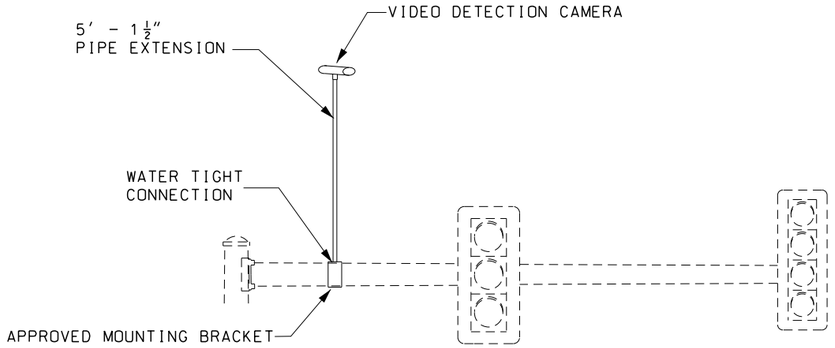
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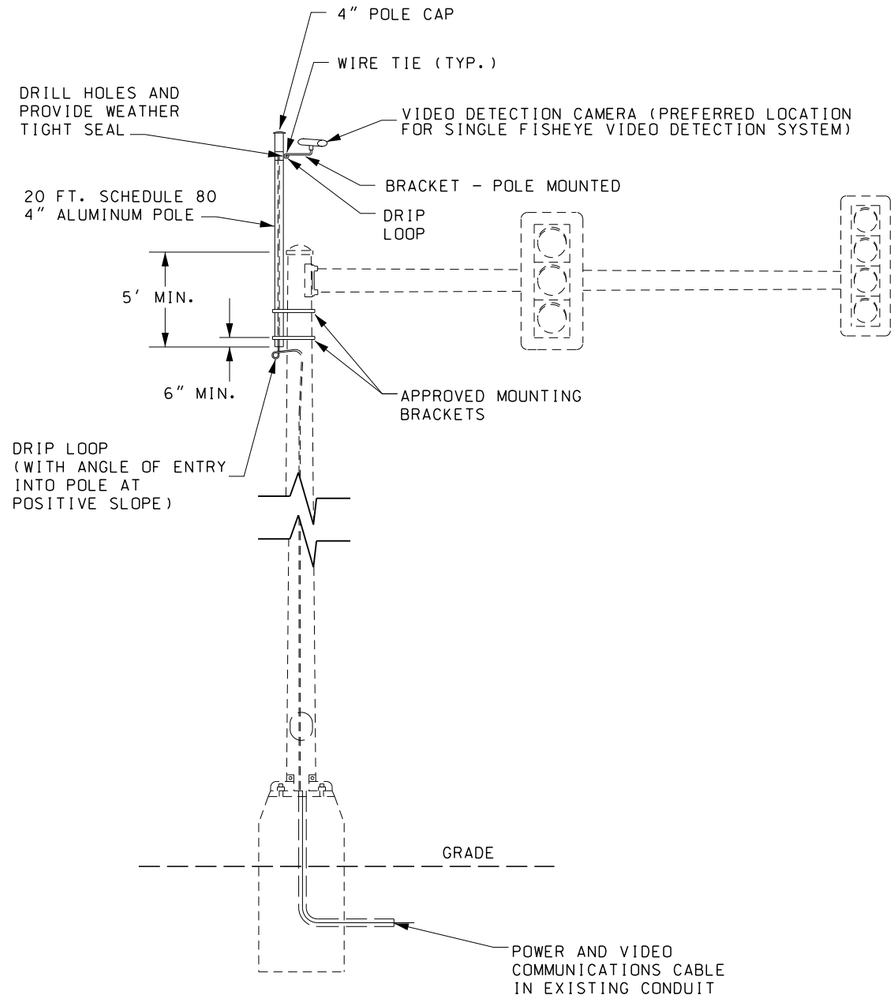
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PROFESSIONAL
ENGINEER
PE-2014041301

REV.



CAMERAS SHALL BE AS CLOSE AS POSSIBLE TO CENTER OF SIGNALIZED APPROACH



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PROFESSIONAL ENGINEER

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61/67	MO
DISTRICT	SHEET NO.
SL	204

COUNTY
ST. LOUIS

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BRIDGE NO.
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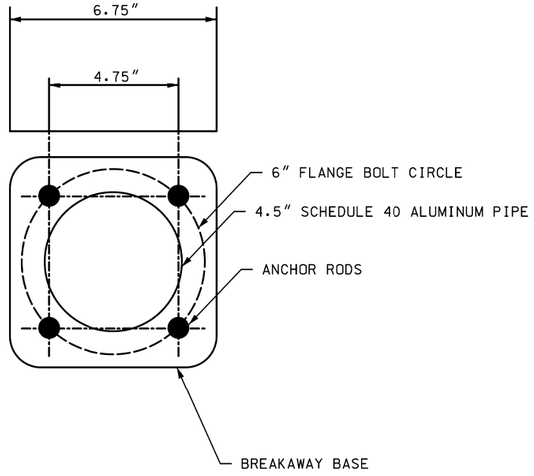
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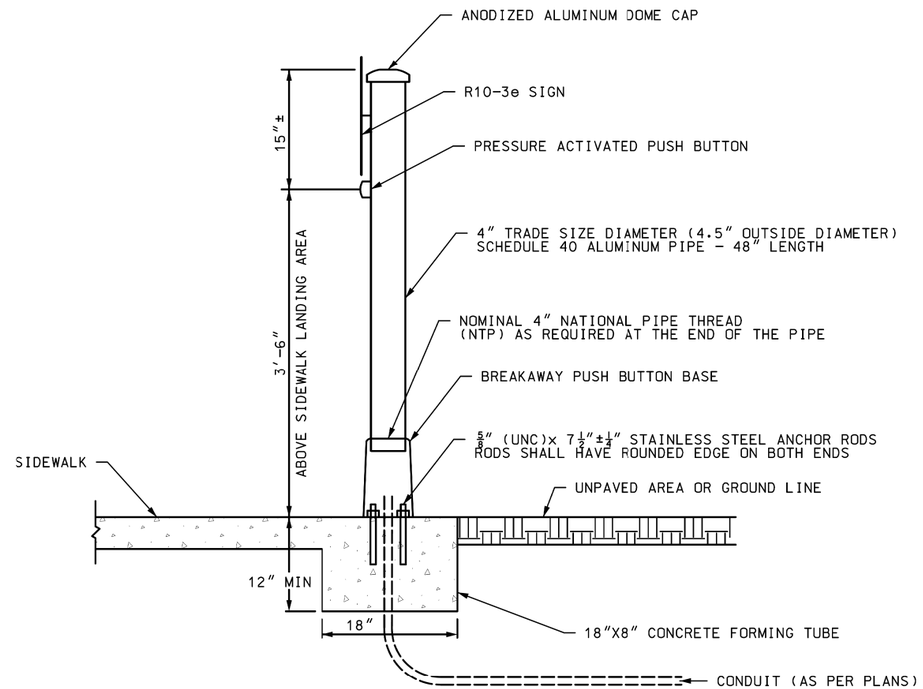
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SIGNAL SHEET

US ROUTE 61/67
LEMAY FERRY ROAD
SIGNAL DETAIL



ANCHOR ROD PLACEMENT



PUSH BUTTON STANCHION

NOTES:

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

NOT TO SCALE

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61/67	MO
DISTRICT	SHEET NO.
SL	205

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

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PROFESSIONAL
ENGINEER
PE-2014041301

REV.

SHEET 79 OF 79

SIGNAL SHEET

US ROUTE 61/67
LEMAY FERRY ROAD
SIGNAL DETAIL

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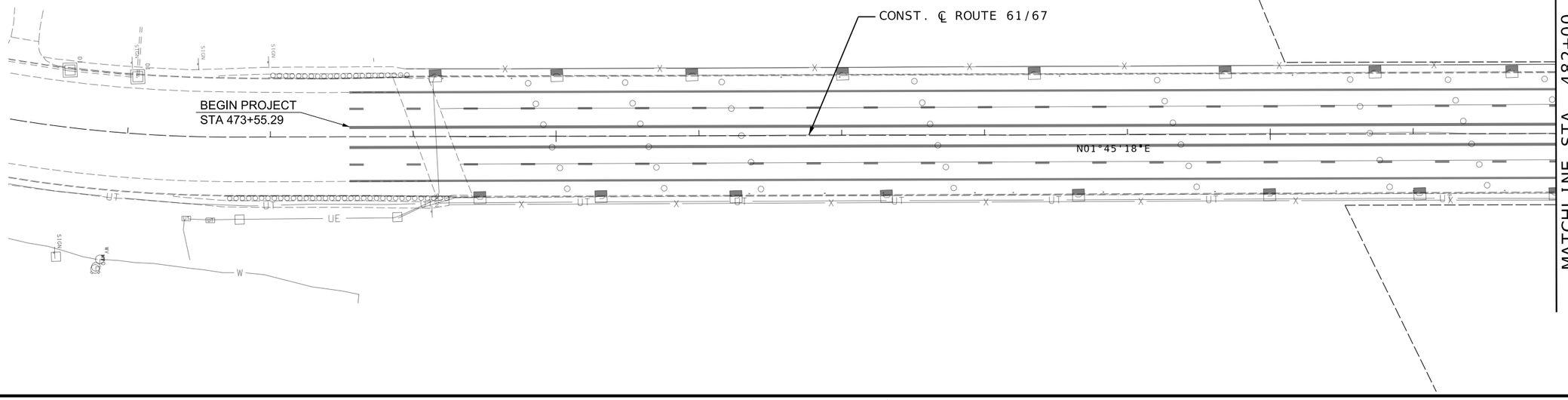
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CONST. ℄ ROUTE 61/67

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MATCHLINE STA. 482+00



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CONST. ℄ ROUTE 61/67

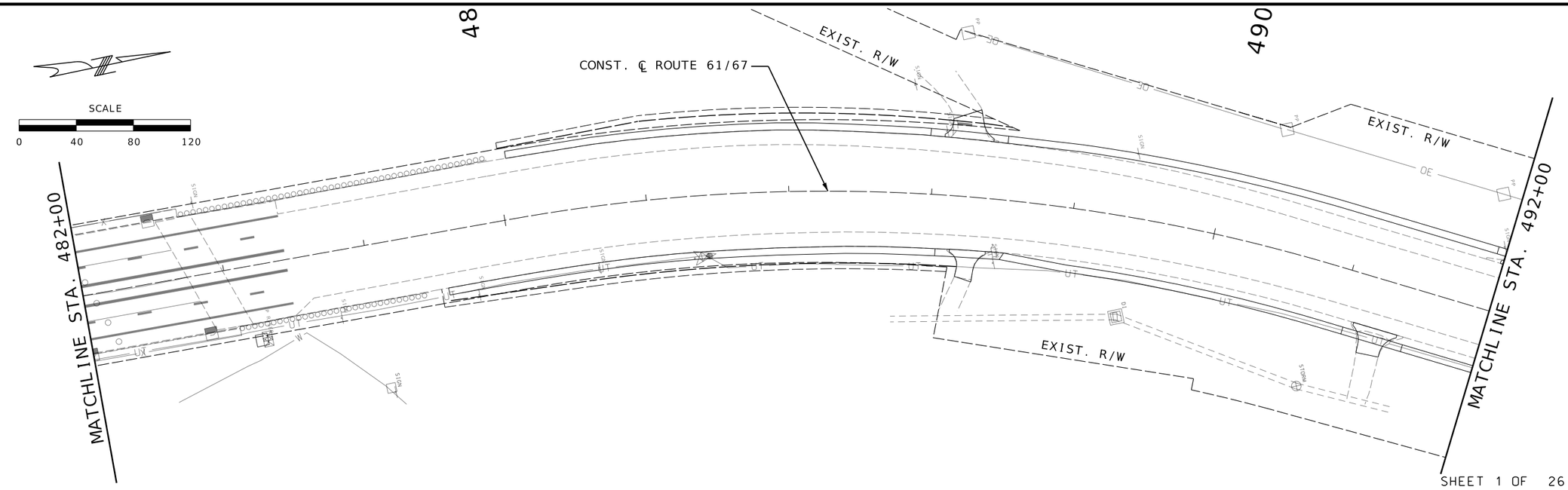
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EXIST. R/W

EXIST. R/W

MATCHLINE STA. 482+00

MATCHLINE STA. 492+00



SHEET 1 OF 26

ITS/LIGHTING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DISTRICT	SHEET NO.
SL	206

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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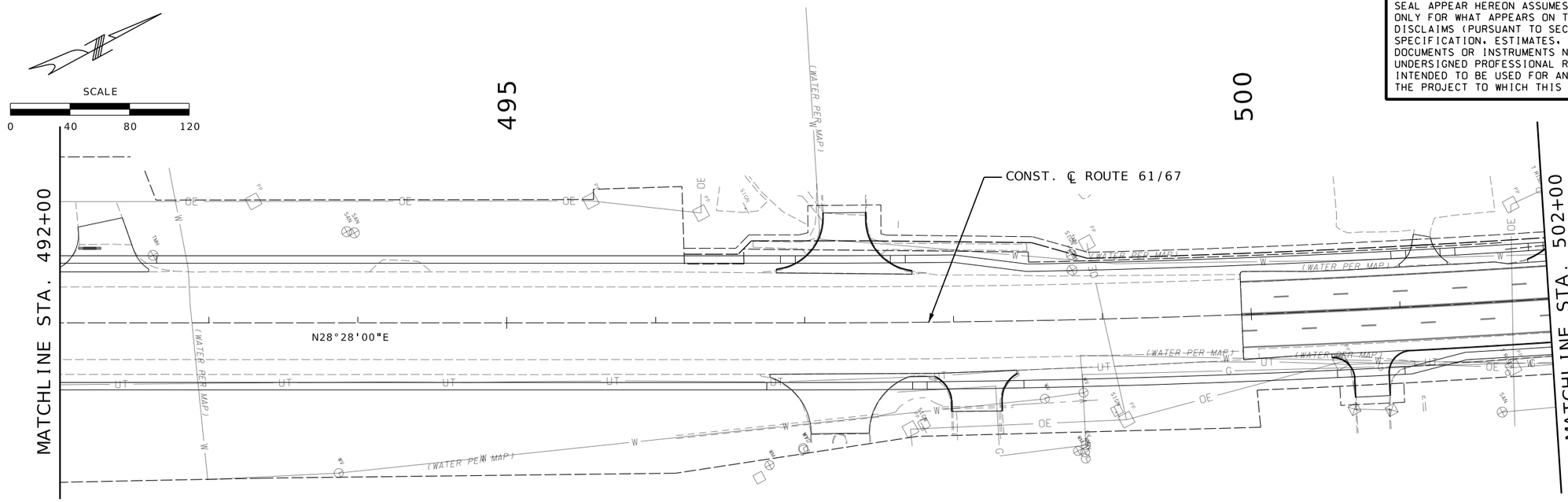
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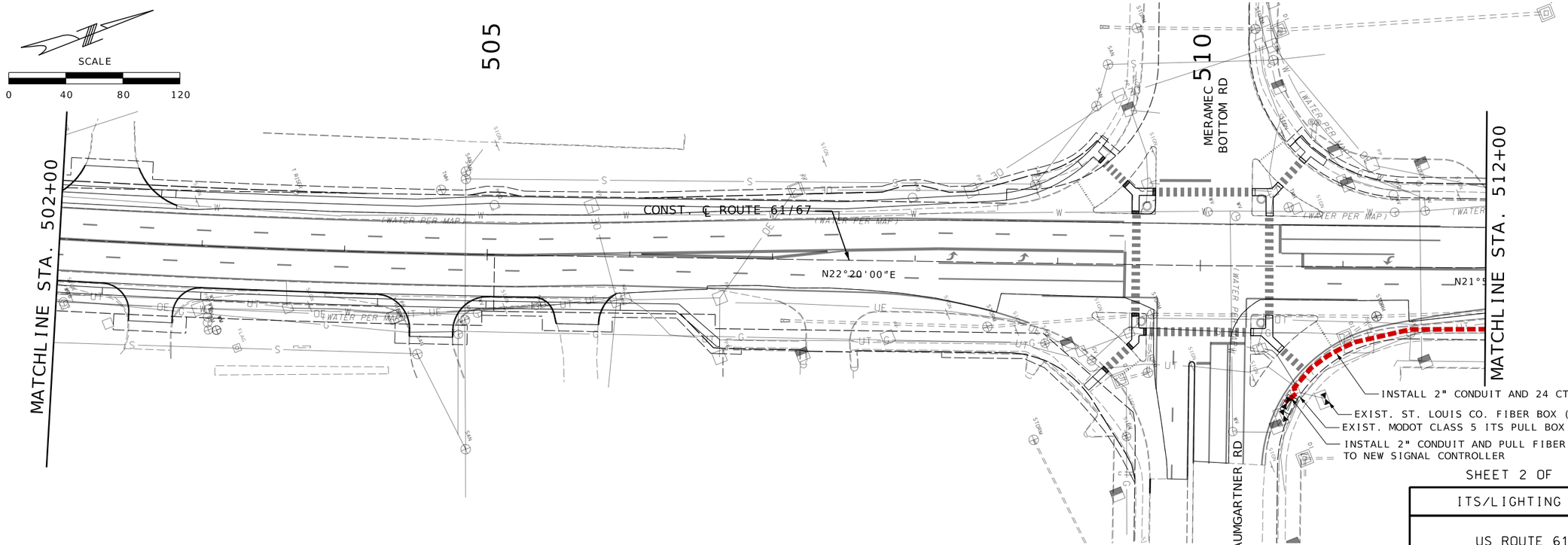
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SHEET 2 OF 26

ITS/LIGHTING SHEET

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LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
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61/67	MO
DISTRICT	SHEET NO.
SL	207

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

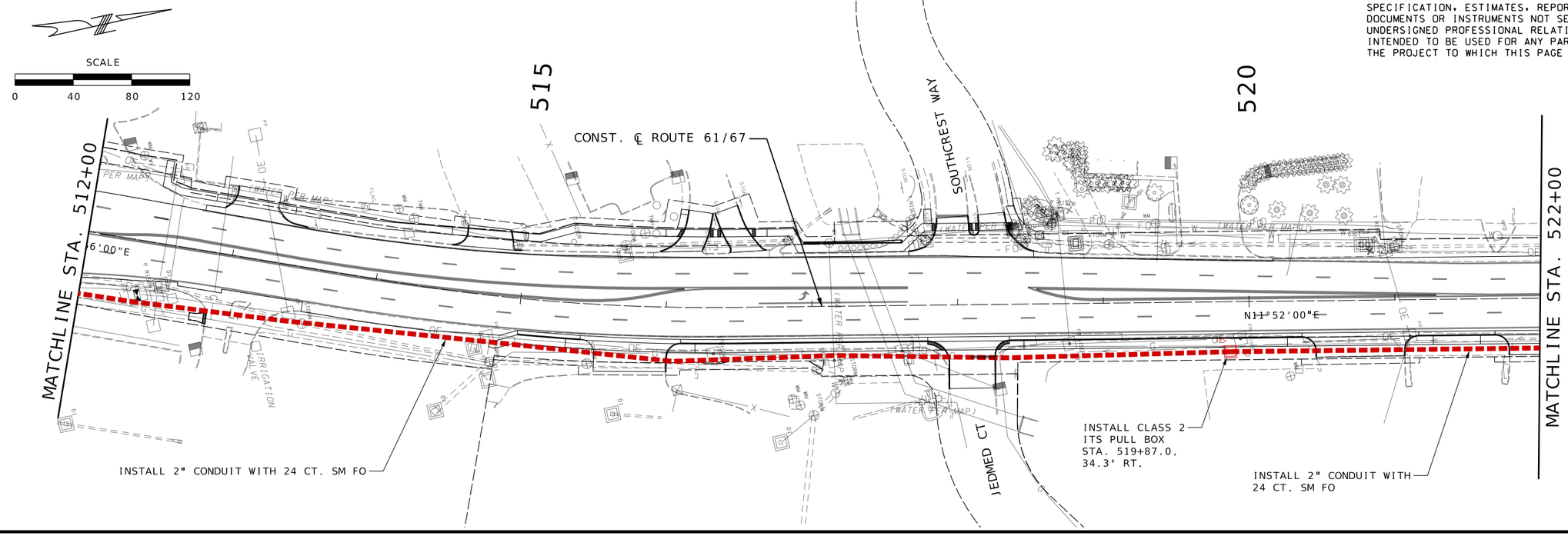
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

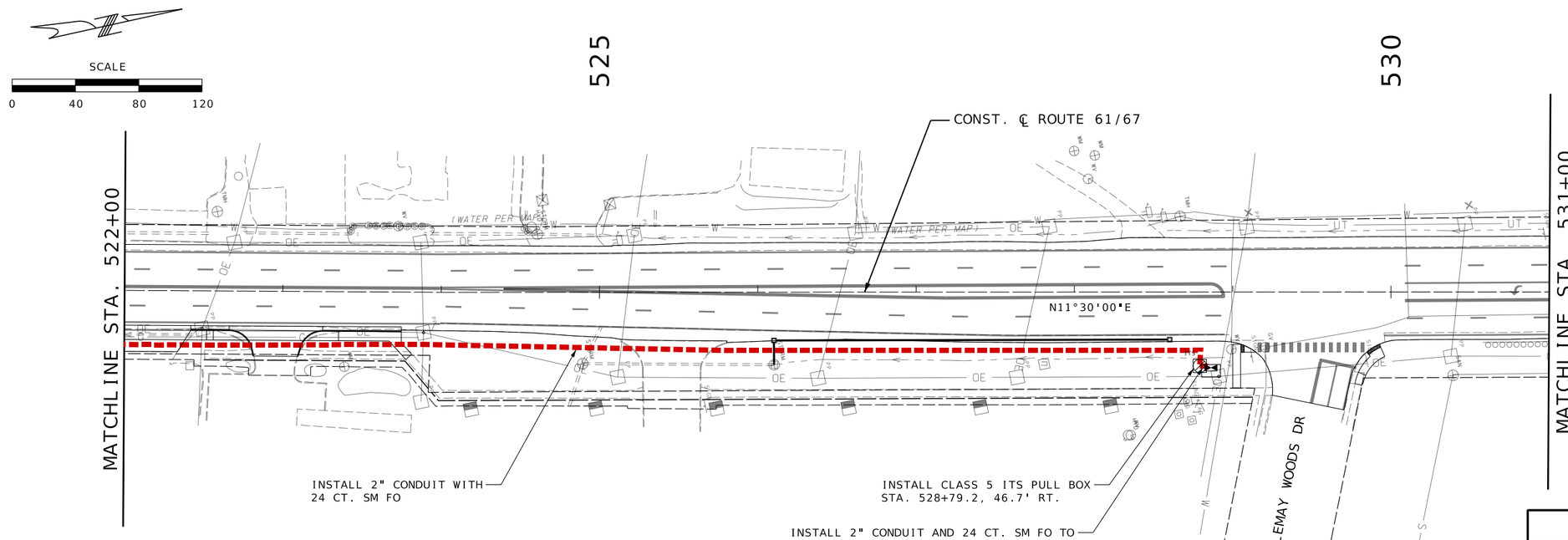
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16305 SWINGLEY RIDGE RD
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ARCHITECT 000212
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PE-2014041301

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KENDRA MILLER
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07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	208

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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DESCRIPTION	DATE
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SHEET 3 OF 26

ITS/LIGHTING SHEET

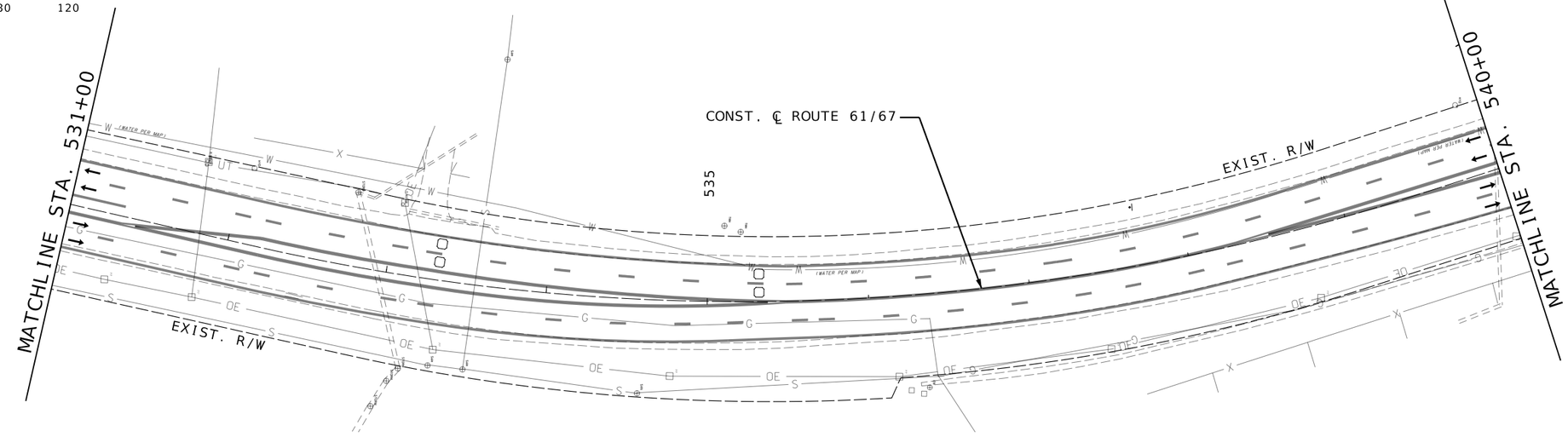
US ROUTE 61/67
LEMAY FERRY ROAD

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

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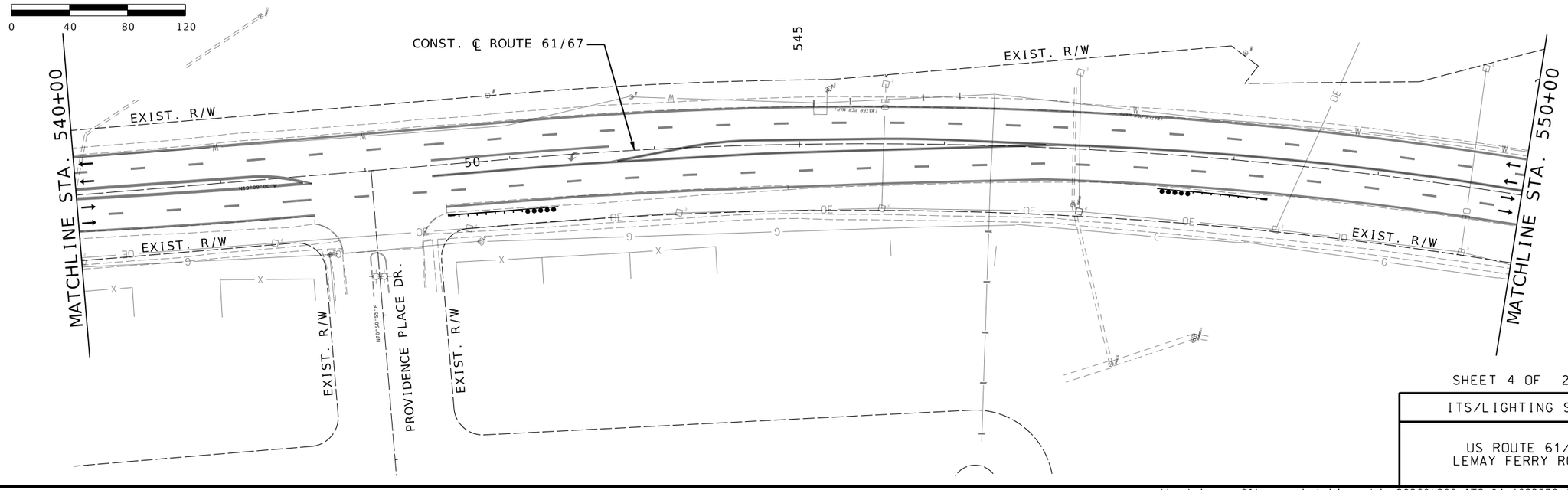
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SCALE

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NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	209

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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SHEET 4 OF 26

ITS/LIGHTING SHEET

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LEMAY FERRY ROAD

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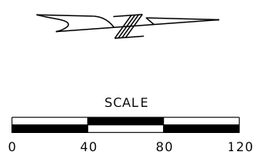
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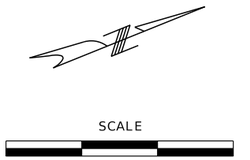
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SHEET 5 OF 26

ITS/LIGHTING SHEET

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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
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61/67	MO
DISTRICT	SHEET NO.
SL	210

COUNTY
ST. LOUIS

JOB NO.
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CONTRACT ID.
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PROJECT NO.
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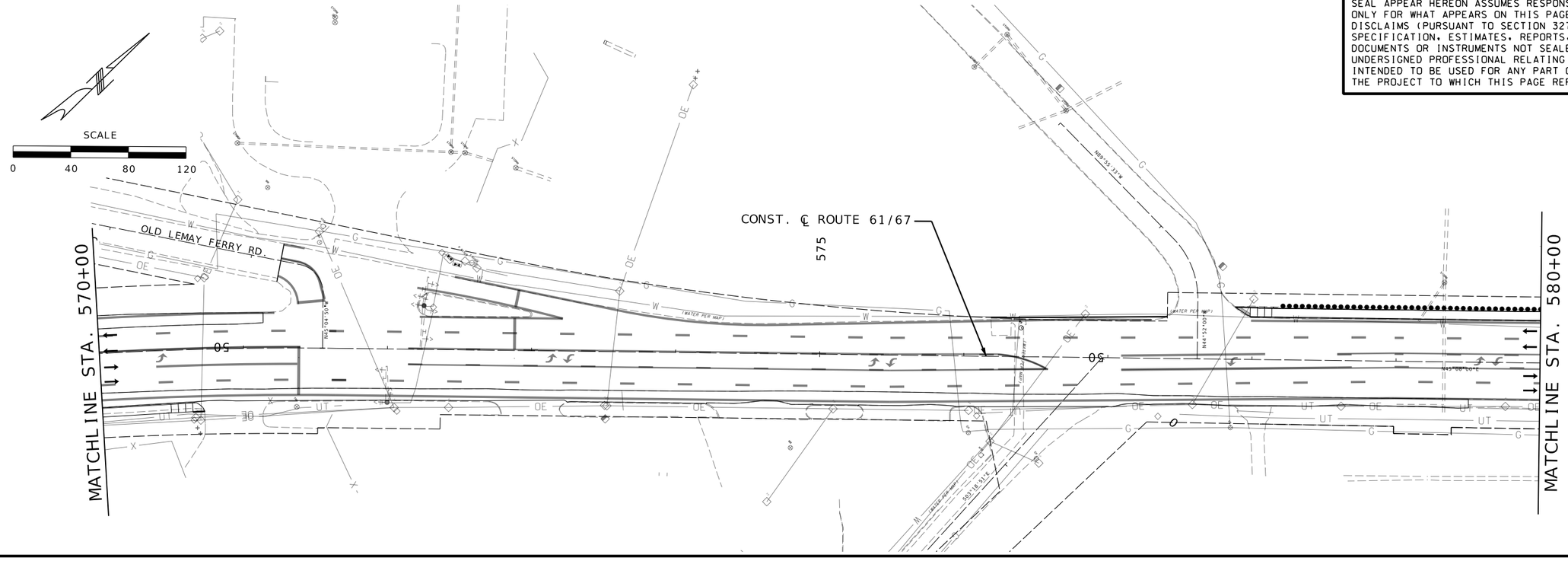
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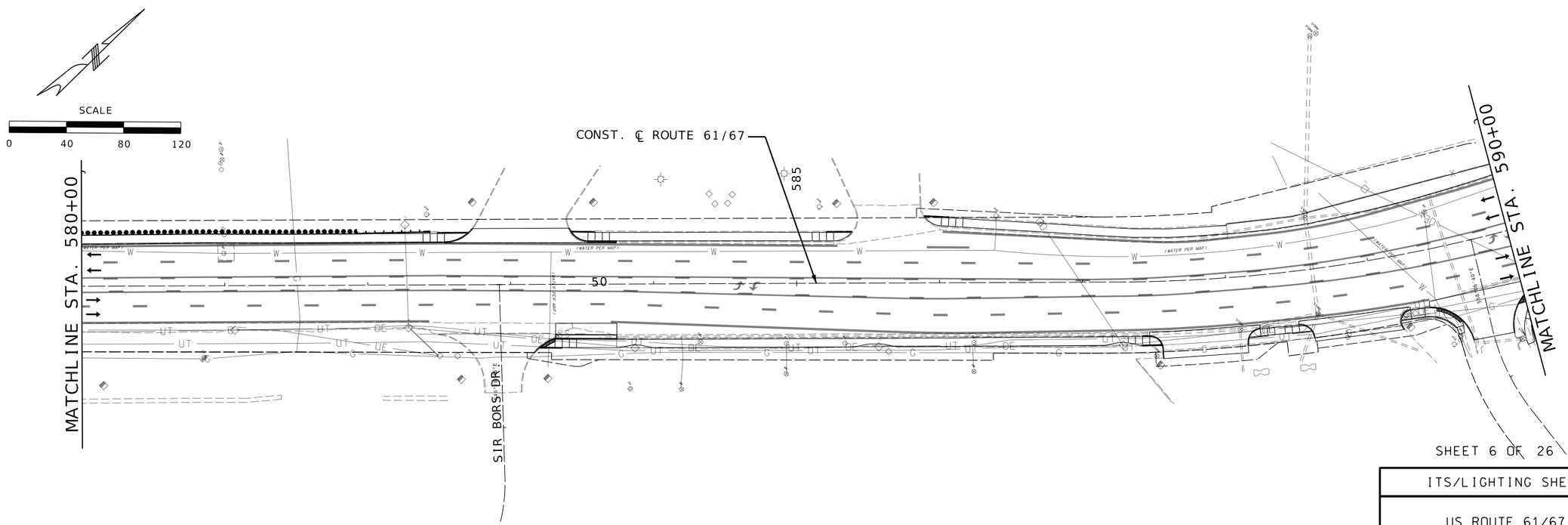
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SL	211

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JOB NO.
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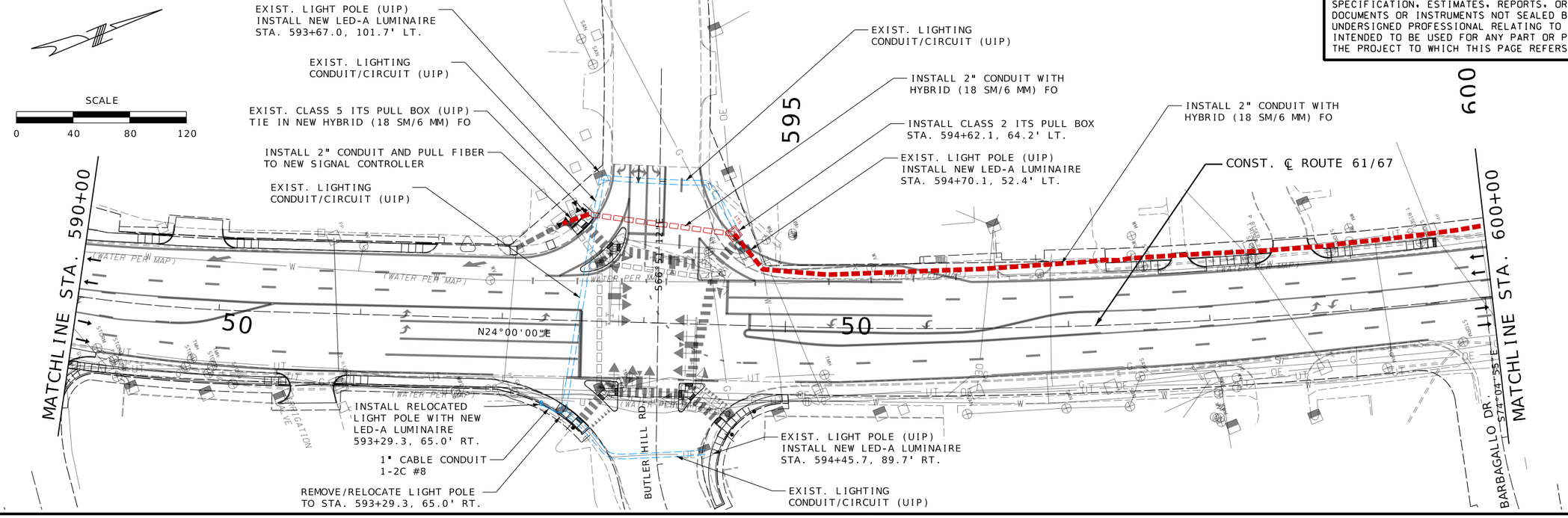
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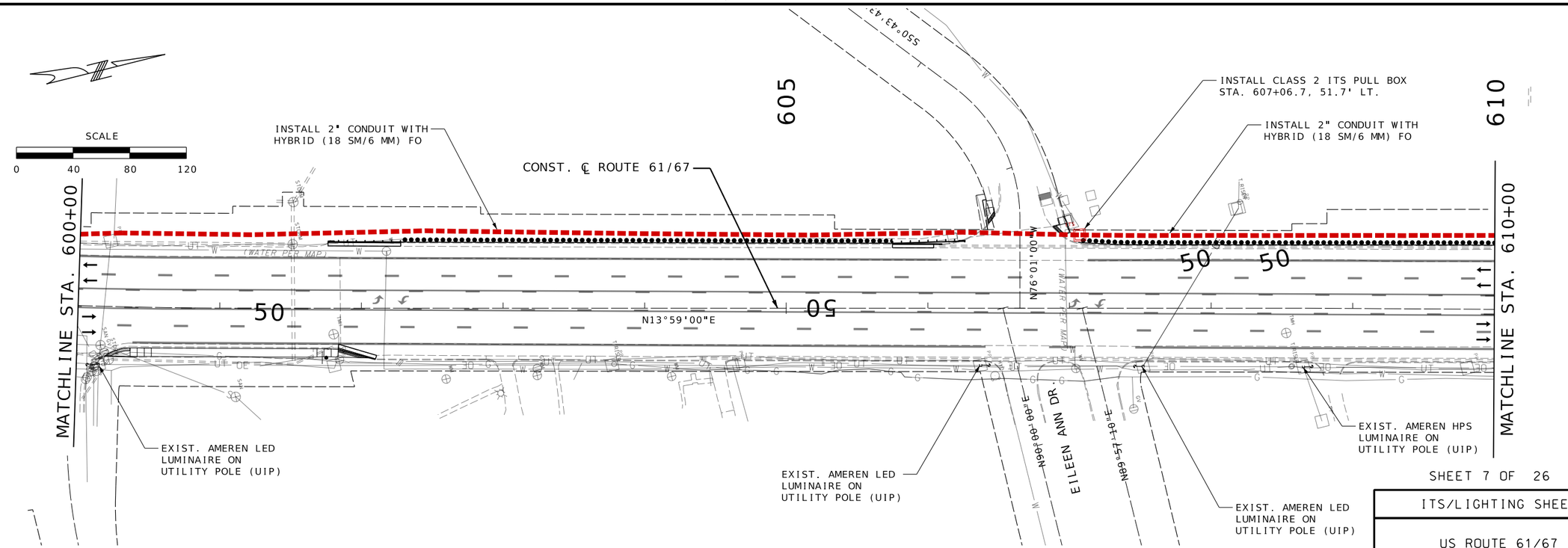
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SHEET 7 OF 26

ITS/LIGHTING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
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61/67	MO
DISTRICT	SHEET NO.
SL	212

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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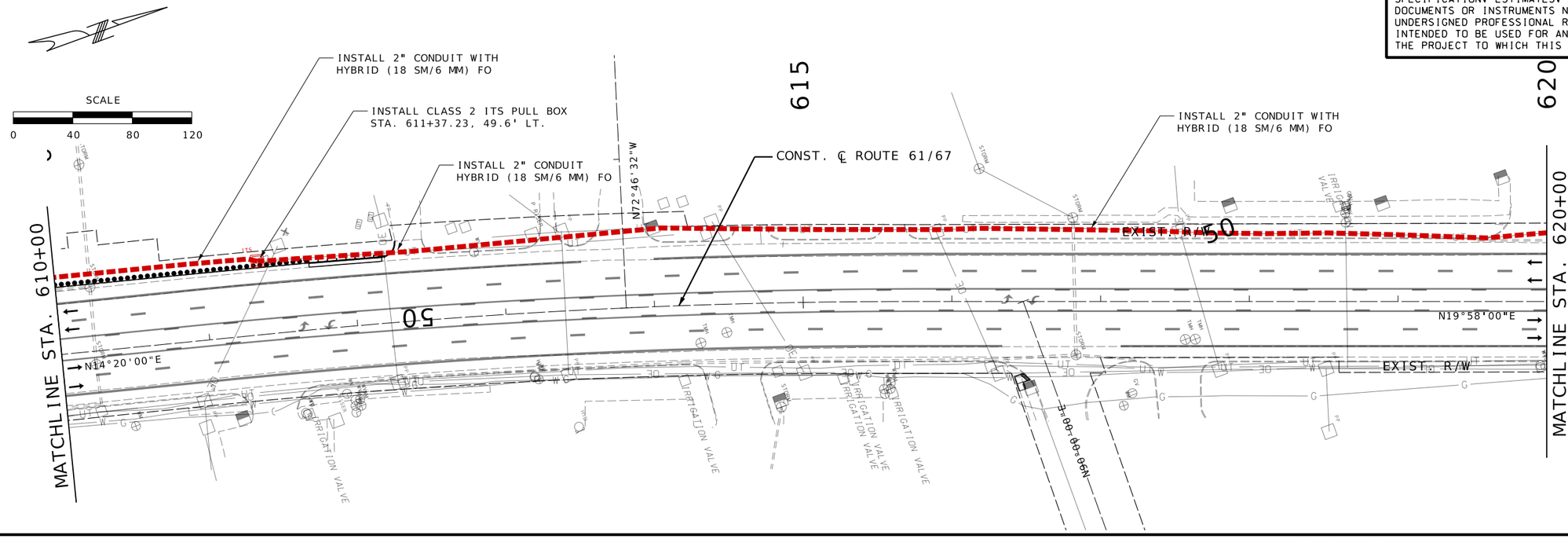
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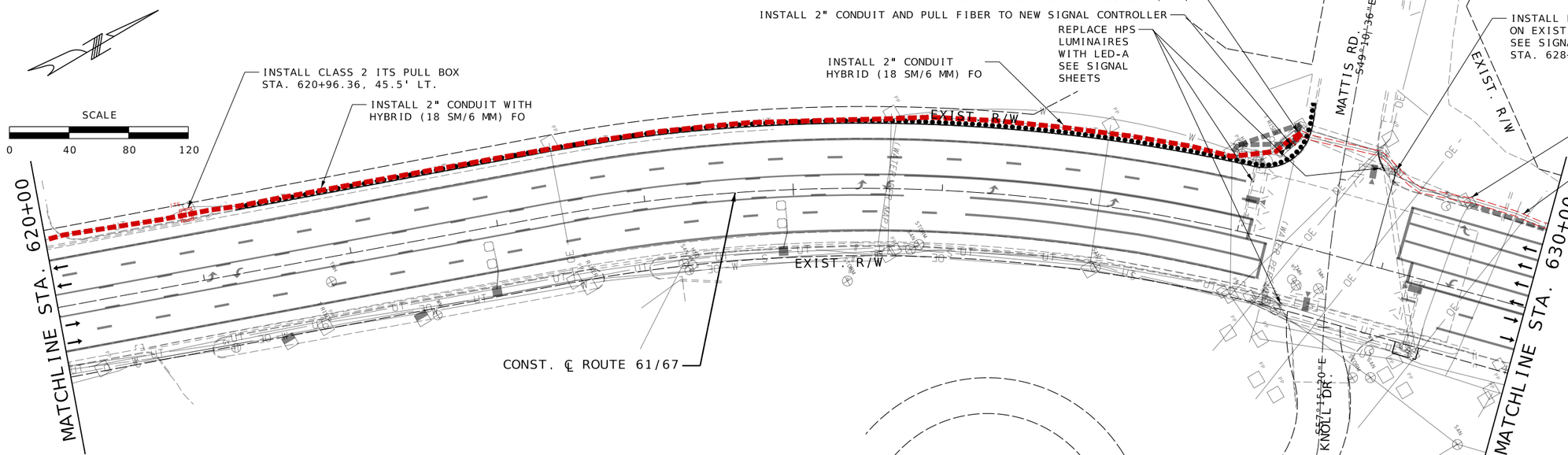
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61/67	MO
DISTRICT	SHEET NO.
SL	213

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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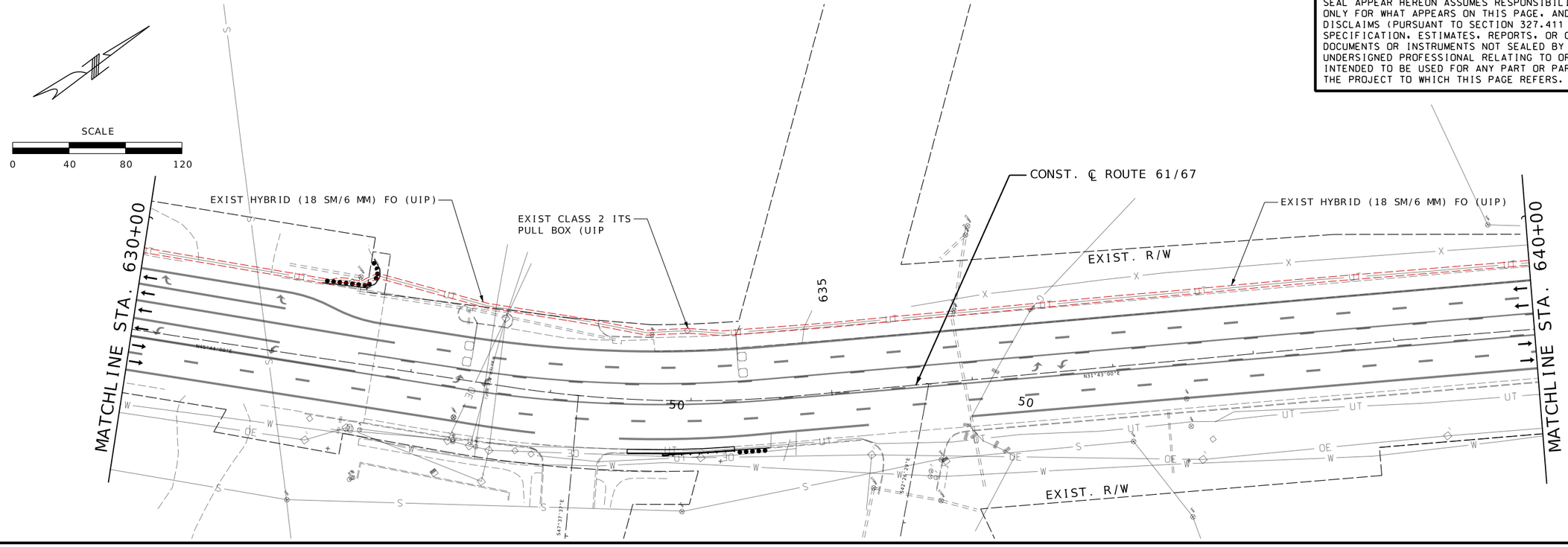
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

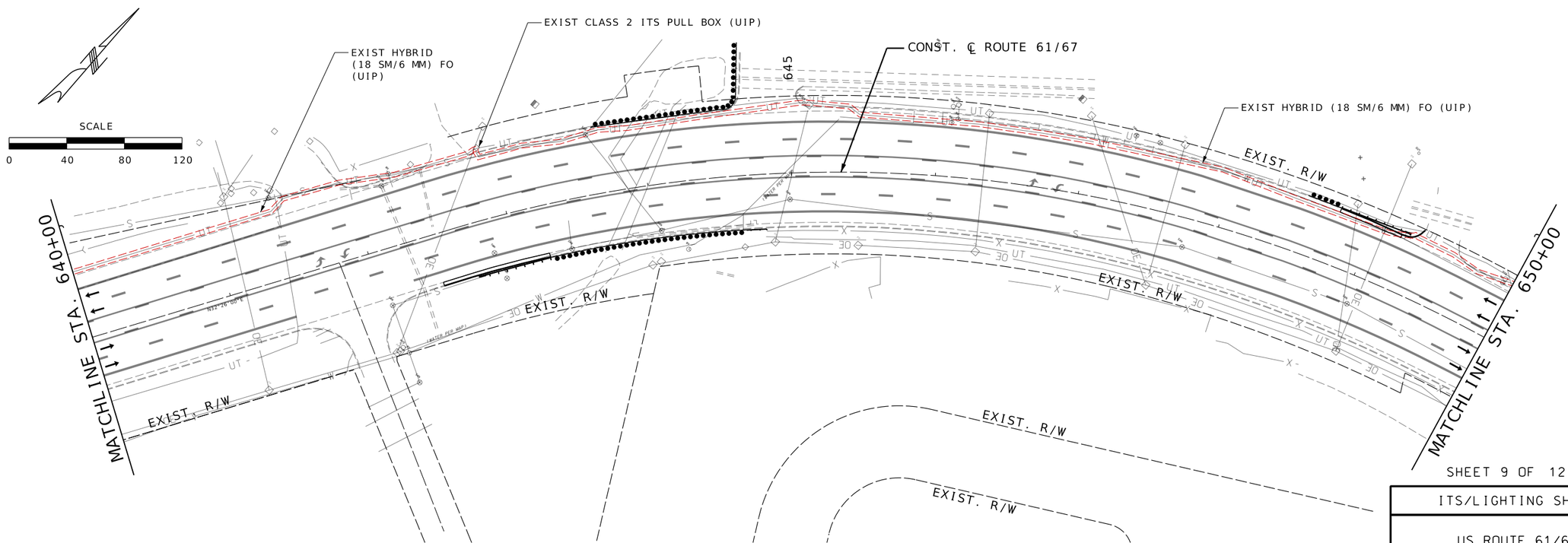
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SHEET 9 OF 12

ITS/LIGHTING SHEET

US ROUTE 61/67
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DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	214

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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SCALE
0 40 80 120

EXIST. HYBRID (18 SM/6 MM) FO (UIP)
EXIST. LED LUMINAIRE ON AMEREN POLE (UIP)
EXIST. HPS LUMINAIRE ON AMEREN POLE (UIP)
EXIST. HPS LUMINAIRE ON AMEREN POLE (UIP)
EXIST. HPS LUMINAIRE ON AMEREN POLE (UIP)
EXIST. CLASS 2 ITS PULL BOX (ATG)
EXIST 24 CT. SM FO (UIP)
CONST. ℄ ROUTE 61/67
650
650+00
MATCHLINE STA. 650+00
EXIST. R/W
S89°30'00"E
KELLER PLAZA DR
EXIST. CLASS 5 ITS PULL BOX (UIP)
INSTALL 2" CONDUIT AND PULL FIBER TO NEW SIGNAL CONTROLLER
N01°01'26"E
699+00
MATCHLINE STA. 699+00
EXIST 24 CT. SM FO (UIP)
(WATER PER MAP)
IRRIGATION VALVE

SCALE
0 40 80 120

4" RIGID CONDUIT (PUSHED) 1-2C #8AWG (CIR B)
PULL BOX B1 PREFORMED TYPE 1 STA. 664+21.6, 54.3' LT.
1" CABLE CONDUIT 1-2C #8AWG (CIR B)
INSTALL (B103) 30' LIGHT POLE LED-A TENON MOUNT STA. 663+46.4, 39.8' LT.
MATCHLINE STA. 660+00
EXIST. R/W
N56°00'00"E
664
EXIST 24 CT. SM FO (UIP)
CONST. ℄ ROUTE 61/67
MEHL AVE.
INSTALL (B102) 30' LIGHT POLE LED-A TENON MOUNT STA. 664+65.4, 54.2' LT.
1" CABLE CONDUIT 1-2C #8AWG (CIR B)
INSTALL (B101) 30' LIGHT POLE LED-A TENON MOUNT STA. 665+08.7, 37.8' LT.
4" RIGID CONDUIT (PUSHED) 1-2C #8AWG (CIR B)
S41°36'00"E
670
MATCHLINE STA. 670+00
EXIST. R/W
(WATER PER MAP)
EXIST. ST. LOUIS CO. FIBER BOX (UIP AND RECONNECT)
EXIST. CLASS 5 ITS PULL BOX (UIP)
INSTALL 2" CONDUIT AND PULL FIBER TO NEW SIGNAL CONTROLLER
EXIST. POWER SOURCE (UIP)
2" RIGID STEEL CONDUIT 3-1C #2
PAD MOUNTED POWER SUPPLY/CONTROLLER (CIR A,B)* STA. 665+24.6, 59.1' RT.
PULL BOX AB PREFORMED TYPE 1 STA. 665+24.6, 63.9' RT.
1" CABLE CONDUIT 1-2C #8AWG (CIR A)
INSTALL (A101) 30' LIGHT POLE LED-A TENON MOUNT STA. 665+08.7, 97.7' RT.
S55°12'23"E
SOUTH LAKEVIEW PLAZA
INSTALL 2" CONDUIT AND PULL FIBER TO NEW SIGNAL CONTROLLER
EXIST. CLASS 5 ITS PULL BOX (UIP)
EXIST 24 CT. SM FO (UIP)

LIGHTING LEGEND
- ROADWAY LIGHT POLE WITH LED-A LUMINAIRE, 30' MOUNTING HEIGHT, TENON MOUNTED (NO BRACKET)
- ROADWAY LIGHT POLE WITH LED-A LUMINAIRE, 30' MOUNTING HEIGHT, WITH BRACKET AS SPECIFIED
- POWER SUPPLY
- PULL BOX PREFORMED TYPE 1
- 4" RIGID CONDUIT (PUSHED)
- 1" CABLE CONDUIT (TRENCHED)

* THE POWER SUPPLY FEEDER TO BE COORDINATED BETWEENCONTRACTOR AND AMEREN UE. ALL REQUIRED CABLING, (OVERHEAD AND UNDERGROUND WOODEN POLES FOR SPANNING SECONDARY POWER SUPPLY AND TRANSFORMERS, IF NEEDED, CONDUIT LOAD CENTER WIRING AND CONNECTIONS TO THE LOAD CENTER PANEL FROM THE POWER SUPPLY SOURCE TO BE DETERMINED BY AMEREN UE AS PER THEIR REQUIREMENTS. ALL FEES/COSTS ASSOCIATED WITH THE AMEREN UE REQUIREMENTS SHALL BE INCLUDED IN THE BID PRICE OF LIGHTING.

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER
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DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 215
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DESCRIPTION | DATE

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SHEET 10 OF 26

ITS/LIGHTING SHEET

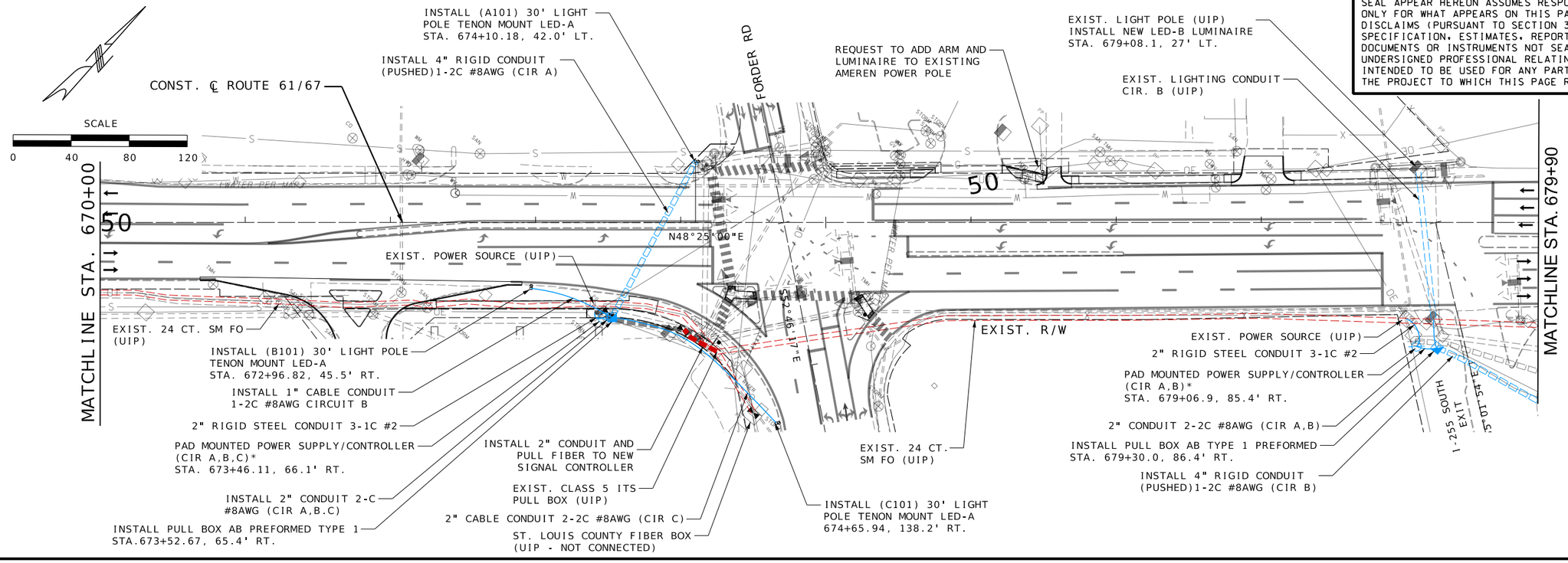
US ROUTE 61/67
LEMAY FERRY ROAD

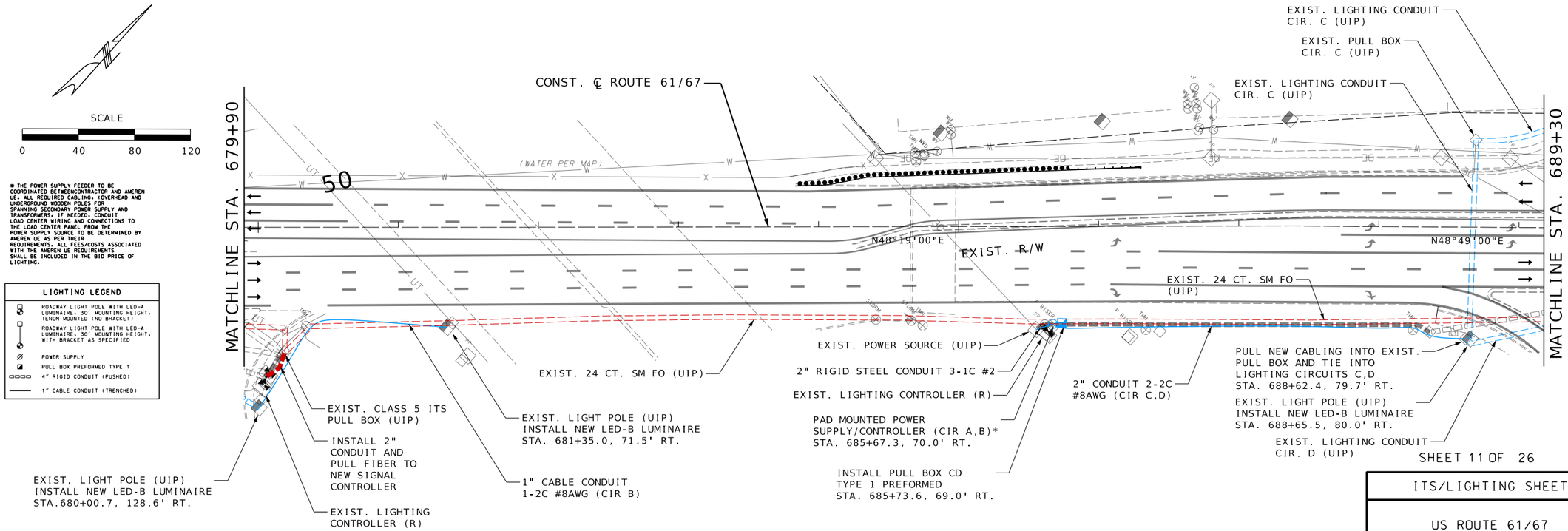
KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

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SHEET 11 OF 26

ITS/LIGHTING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-201404130
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 216
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

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DESCRIPTION | DATE | REV.

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

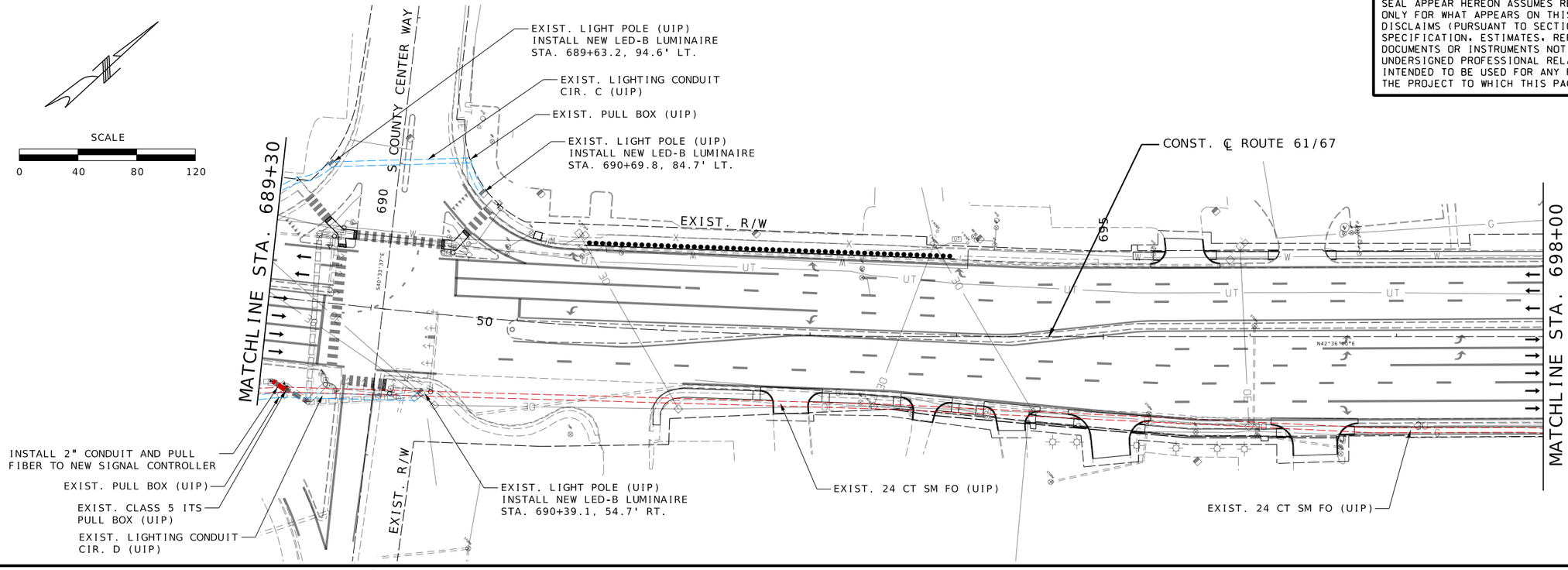
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16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

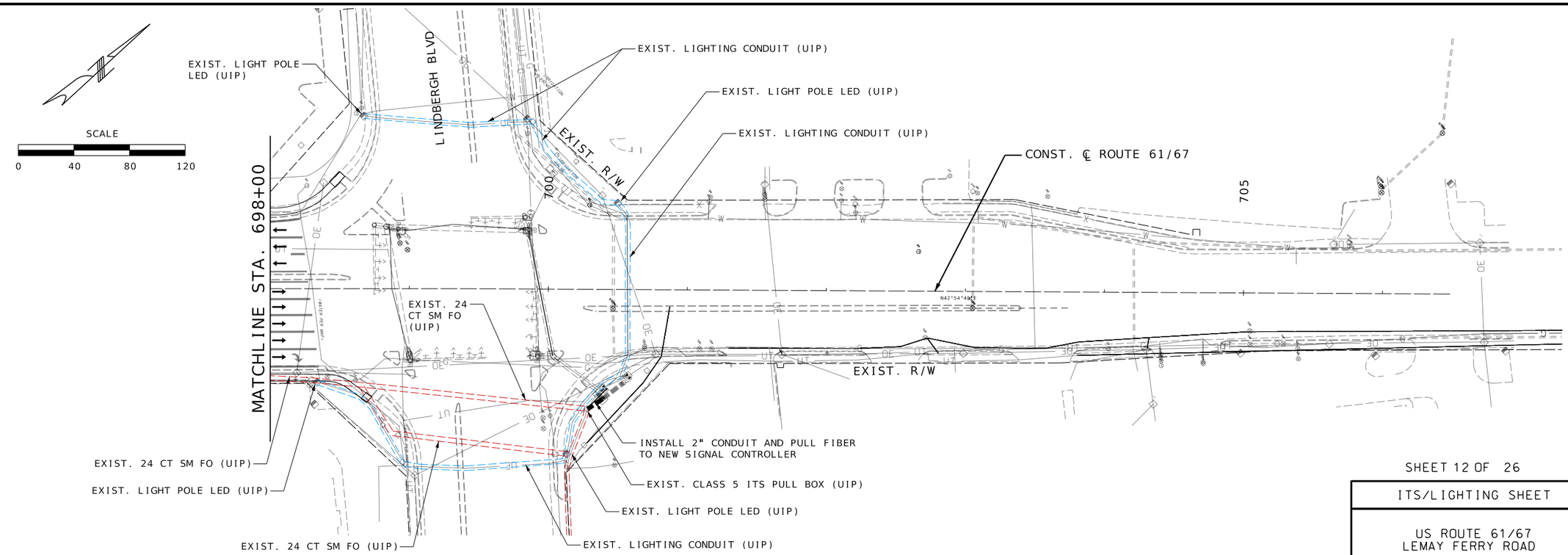
GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

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SHEET 12 OF 26

ITS/LIGHTING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	217

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

DESCRIPTION	DATE
.	.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

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ITS CONDUIT, FIBER, AND PULL BOX

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	TRENCH 2"	TRENCH	TRENCH	TRENCH	PUSHED 2"	PUSHED	PUSHED	PUSHED	REMARKS
1 PB (EX)	CONTROLLER	10'	13'								ITS SHEET 2
1 PB (EX)	2 PB	944'	942'								ITS SHEET 2/3
2 PB	3 PB	903'	901'								ITS SHEET 3
3 PB	CONTROLLER	5'	8'								ITS SHEET 3
4 PB (EX)	CONTROLLER	20'	23'								ITS SHEET 7
4 PB (EX)	5 PB	104'					102'				ITS SHEET 7
5 PB	6 PB	1250'	1248'								ITS SHEET 7
6 PB	7 PB (EX)	431'	429'								ITS SHEET 8
7 PB (EX)	8 PB (EX)	968'	966'								ITS SHEET 8
8 PB (EX)	9 PB (EX)	758'	756'								ITS SHEET 8
9 PB (EX)	CONTROLLER	9'	12'								ITS SHEET 8
9 PB (EX)	10 PB (EX)	122'	EX								ITS SHEET 8
10 PB (EX)	11 PB (EX)	85'	EX								ITS SHEET 9
11 PB (EX)	12 PB (EX)	894'	EX								ITS SHEET 9
12 PB (EX)	13 PB (EX)	1178'	EX								ITS SHEET 9/10
13 PB (EX)	14 PB (EX)	88'					EX				ITS SHEET 10
14 PB (EX)	CONTROLLER	12'	15'								ITS SHEET 10
14 PB (EX)	15 PB (EX)	1184'	EX				EX				ITS SHEET 10
15 PB (EX)	CONTROLLER	37'	40'								ITS SHEET 10
15 PB (EX)	16 PB (EX)	223'	EX								ITS SHEET 10
16 PB (EX)	CONTROLLER	20'	23'								ITS SHEET 10
16 PB (EX)	17 PB (EX)	654'	EX								ITS SHEET 10/11
17 PB (EX)	CONTROLLER	28'	31'								ITS SHEET 11
17 PB (EX)	18 PB (EX)	615'	EX								ITS SHEET 11
18 PB (EX)	CONTROLLER	24'	27'								ITS SHEET 11
18 PB (EX)	19 PB (EX)	935'	EX								ITS SHEET 11/12
19 PB (EX)	CONTROLLER	11'	14'								ITS SHEET 12
20 PB (EX)	20 PB (EX)	1087'	EX								ITS SHEET 12
20 PB (EX)	CONTROLLER	13'	16'								ITS SHEET 12
TOTAL			5464'				102'				

FIBER

FROM	TO	CENTER TO CENTER DISTANCE	COIL	24 CT SM FO	18 SM/6 MM FO	REMARKS
1 PB (EX)	2 PB	944'	30'	974'		ITS SHEET 2/3
2 PB	3 PB	903'	30'	933'		ITS SHEET 2/3
3 PB	CONTROLLER	5'	60'	65'		ITS SHEET 3 (INCLUDED 60' FIBER SLACK)
4 PB (EX)	5 PB	104'	30'		134'	ITS SHEET 7
5 PB	6 PB	1250'	30'		1280'	ITS SHEET 7
6 PB	7 PB	431'	30'		461'	ITS SHEET 8
7 PB	8 PB	968'	30'		998'	ITS SHEET 8
8 PB	9 PB (EX)	758'	30'		788'	ITS SHEET 8
SUBTOTAL				1972'	3661'	
TOTAL				1980'	3670'	

PULL BOX/SPLICE BOX

LOCATION	CLASS 2	CLASS 5
2 PB STA. 519+87.0	1	
3 PB STA. 528+79.2		1
5 PB STA. 594+62.1	1	
6 PB STA. 607+06.7	1	
7 PB STA. 611+37.2	1	
8 PB STA. 620+96.4	1	
TOTAL	5	1

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 7/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	218

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DESCRIPTION | DATE

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

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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

SHEET 13 OF 26

US ROUTE 61/67 ITS

QUANTITIES

US ROUTE 61/67
LEMAY FERRY ROAD

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

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ITS NEWORKING EQUIPMENT

LOCATION	INSTALL OR RELOCATE EXISTING AND NEW COMMUNICATION EQUIPMENT	REINSTALL ETHERNET SWITCH	INSTALL ETHERNET SWITCH	REINSTALL MULTIMODE FIBER OPTIC DATA MODEM AND DEVICE SERVER	REINSTALL IP ADDRESSABLE POWER STRIP	WALL MOUNTED INTERCONNECT CENTER	REINSTALL ETHERNET BRIDGE RADIO	INSTALL IP ADDRESSABLE POWER STRIP	NEW FIBER DISTRIBUTION UNIT (FDU)	FO PIGTAIL	FO JUMPER	FO FUSION SPLICE	REMOVE-IN-PAVEMENT WIRELESS DETECTION SYSTEM PER INTERSECTION	INSTALL CONDUIT INTO EXISTING BOX	INSTALL CCTV CAMERA	RELOCATE EXISTING CCTV CAMERA
	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)
MERAMEC BOTTOM RD/BAUMGARTNER RD	1	1			1		1		1	8	4	8			1	
LEMAY WOODS DRIVE	1		1					1	1	8	4	8				
OLD LEMAY FERRY ROAD/FIRE STATION																
BUTLER HILL ROAD	1	1			1				1	8	8	8		1	1	
MATTIS ROAD	1	1						1	1	6	4	6		1	1	
KELLER PLAZA DRIVE	1	1						1	1		6			1	1	
MEHL AVE	1	1			1				1		4			1	1	
CENTRAL CITY/SOUTH LAKEVIEW PLAZA	1	1						1	1		4					
FORDER ROAD	1	1			1				1		4			1		
I-255 EB EXIT RAMP	1	1			1				1		4			1		
I-255 WB ON RAMP/S COUNTY CENTER WAY	1	1						1	1		4			1		
LINDBERGH BOULEVARD														1		
TOTALS	10	9 *	1 *		5 *		1 *	5	10	30	46	30		8	4	

* ITEM WILL BE INCLUDED UNDER THE BID ITEM 910-99.02
"INSTALL OR RELOCATE EXISTING AND NEW COMMUNICATION EQUIPMENT"

ITS ASSET MANAGEMENT TOOL
TOTAL = 1 LUMP SUM

REMOVAL OF EXISTING FIBER OPTIC CABLE
TOTAL = 1 LUMP SUM

SHEET 14 OF 26

QUANTITIES

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	219

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.: .
PROJECT NO.: .
BRIDGE NO.: .

DATE	DESCRIPTION	REV.
.	.	.

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

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PROFESSIONAL ENGINEER
PE-2014041301

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SEE SPLICING DETAIL SHEET 1 OF 10

SC25

SEE SPLICING DETAIL SHEET 2 OF 10

NEW

SEE SPLICING DETAIL SHEET 3 OF 10

MR067S039.2C

SEE SPLICING DETAIL SHEET 4 OF 10

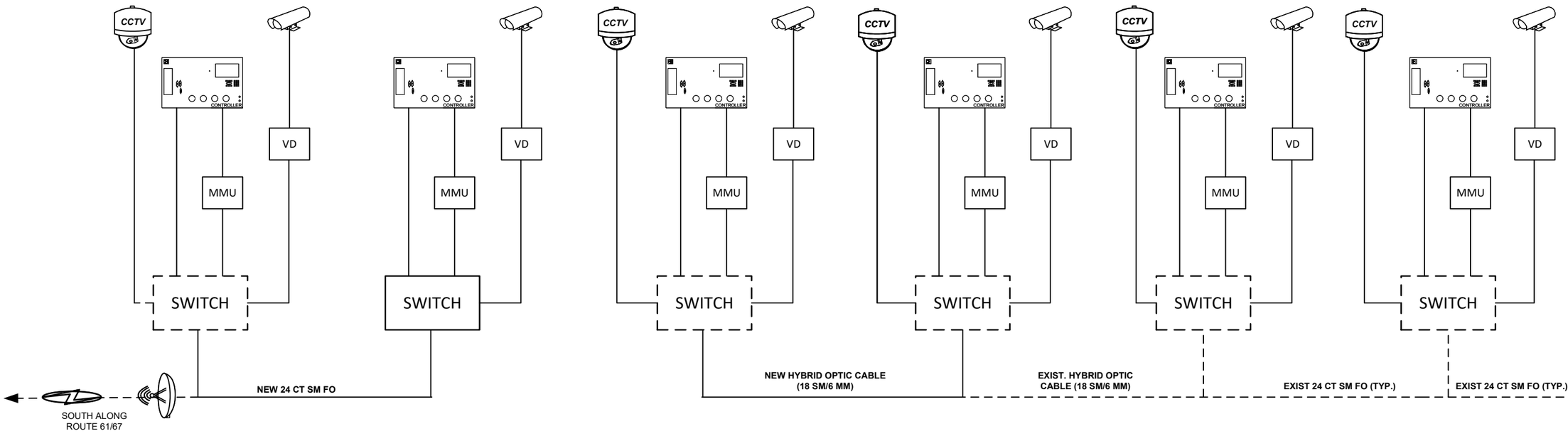
US061S178.2

SEE SPLICING DETAIL SHEET 5 OF 10

MR061S177.8Z

SEE SPLICING DETAIL SHEET 6 OF 10

MR061S177.6Z



KEY

- PROPOESED CCTV CAMERA
- PROPOSED CAMERA DETECTION
- PROPOSED CONTROLLER
- EXISTING CCTV CAMERA
- EXISTING CAMERA DETECTION
- EXISTING CONTROLLER
- WIRELESS LINK
- EXISTING AIR FIBER
- AIR FIBER

SHEET 15 OF 26

CONNECTION DETAILS
ROUTE 61/67 (LEMAY FERRY RD.)
SHEET 1 OF 2

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED	07-25-2025
ROUTE	61/67
STATE	MO
DISTRICT	SL
SHEET NO.	220
COUNTY	ST. LOUIS
JOB NO.	J6S3578
CONTRACT ID.	-
PROJECT NO.	
BRIDGE NO.	-

DESCRIPTION | DATE

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

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Chesterfield, MO 63017
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KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

SEE SPLICING DETAIL SHEET 7 OF 10

MR061S177.5Z

SEE SPLICING DETAIL SHEET 8 OF 10

MR061S177.4Z

SEE SPLICING DETAIL SHEET 9 OF 10

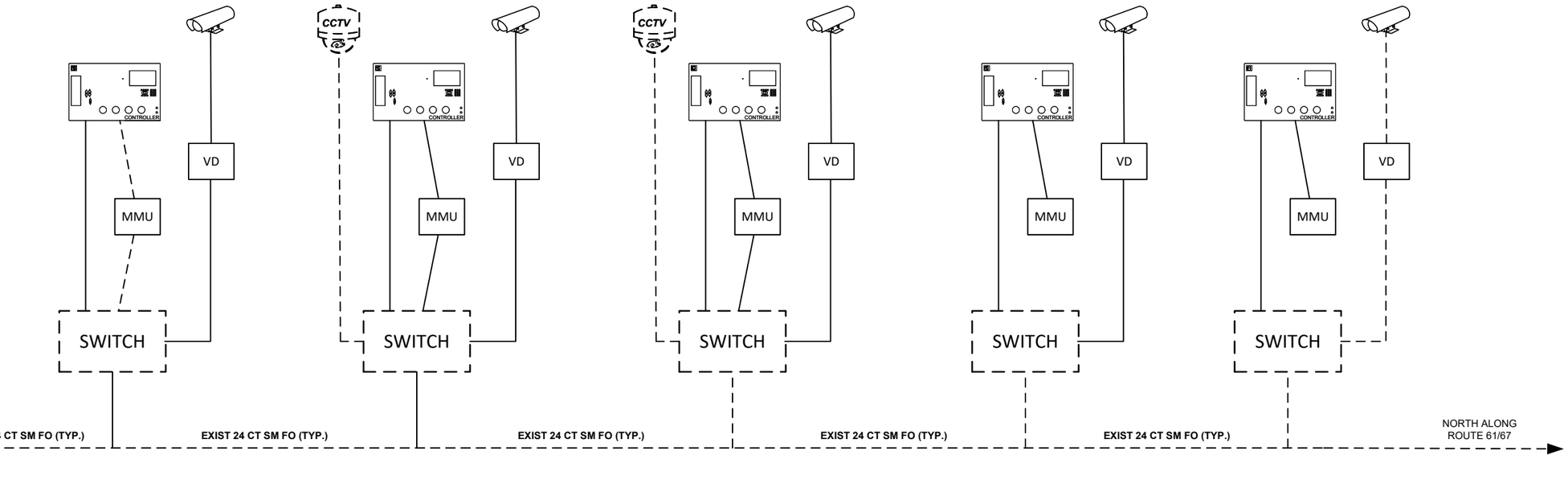
MR067N037.5C

SEE SPLICING DETAIL SHEET 10 OF 10

MR067NO37.5Z

NO SPLICING SHEET

MR067NO37.5Z



KEY

- PROPOESED CCTV CAMERA
- PROPOSED CAMERA DETECTION
- PROPOSED CONTROLLER
- EXISTING CCTV CAMERA
- EXISTING CAMERA DETECTION
- EXISTING CONTROLLER
- WIRELESS LINK
- EXISTING AIR FIBER
- AIR FIBER

SHEET 16 OF 26

CONNECTION DETAILS
ROUTE 61/67 (LEMAY FERRY RD.)
SHEET 2 OF 2

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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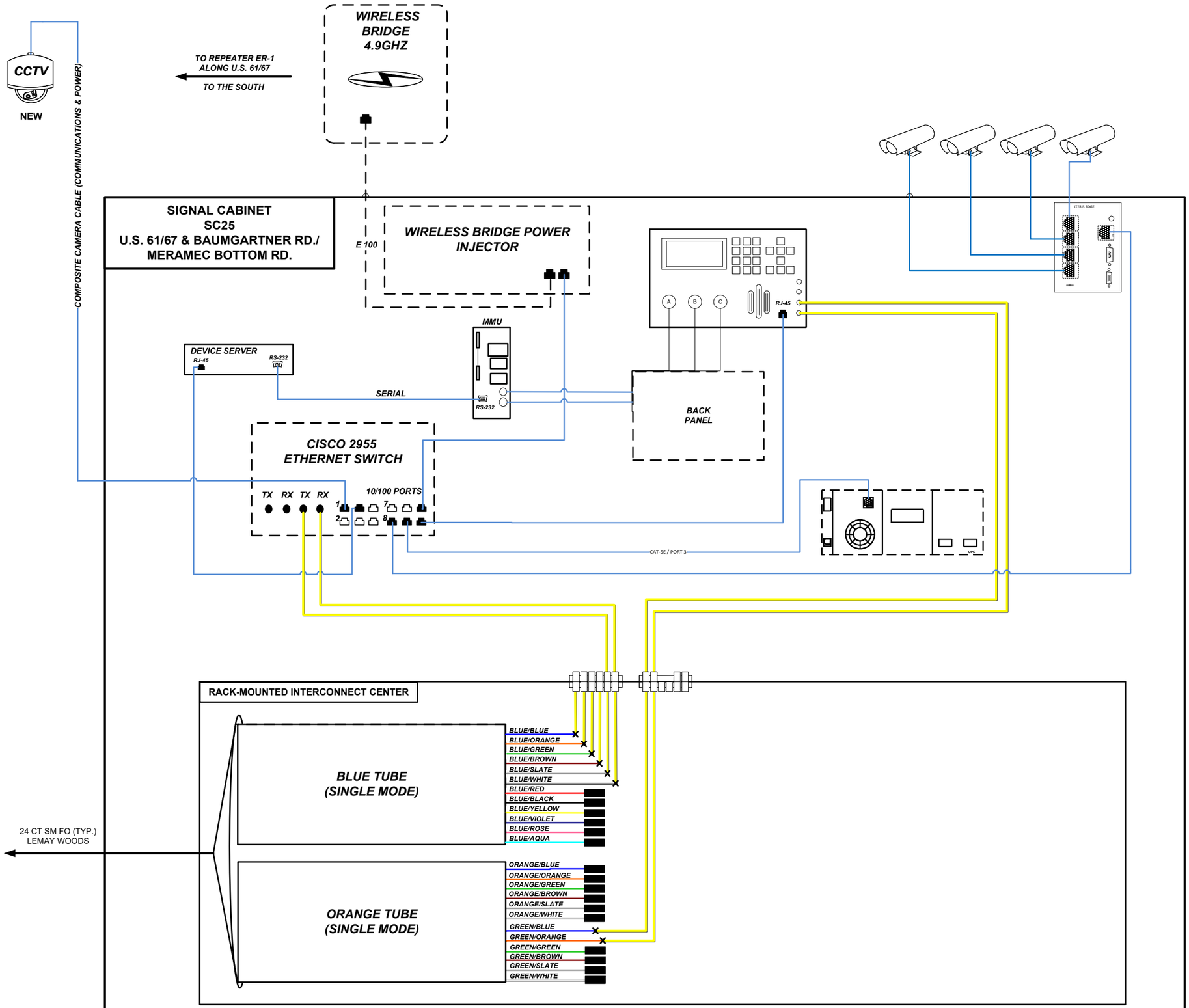
DATE PREPARED	07-25-2025
ROUTE	61/67
STATE	MO
DISTRICT	SL
SHEET NO.	221
COUNTY	ST. LOUIS
JOB NO.	J6S3578
CONTRACT ID.	-
PROJECT NO.	
BRIDGE NO.	-

DESCRIPTION | DATE

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KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301



KEY

E238.2D	DEVICE IDENTIFIER
	MICROWAVE DETECTOR
	EXISTING MICROWAVE DETECTOR
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	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
	FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

NOTES

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.

SHEET 17 OF 26

SPLICING/TERMINATION DETAILS
SHEET 1 OF 10

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-201404130
PROFESSIONAL ENGINEER

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DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	222

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
-

PROJECT NO.
-

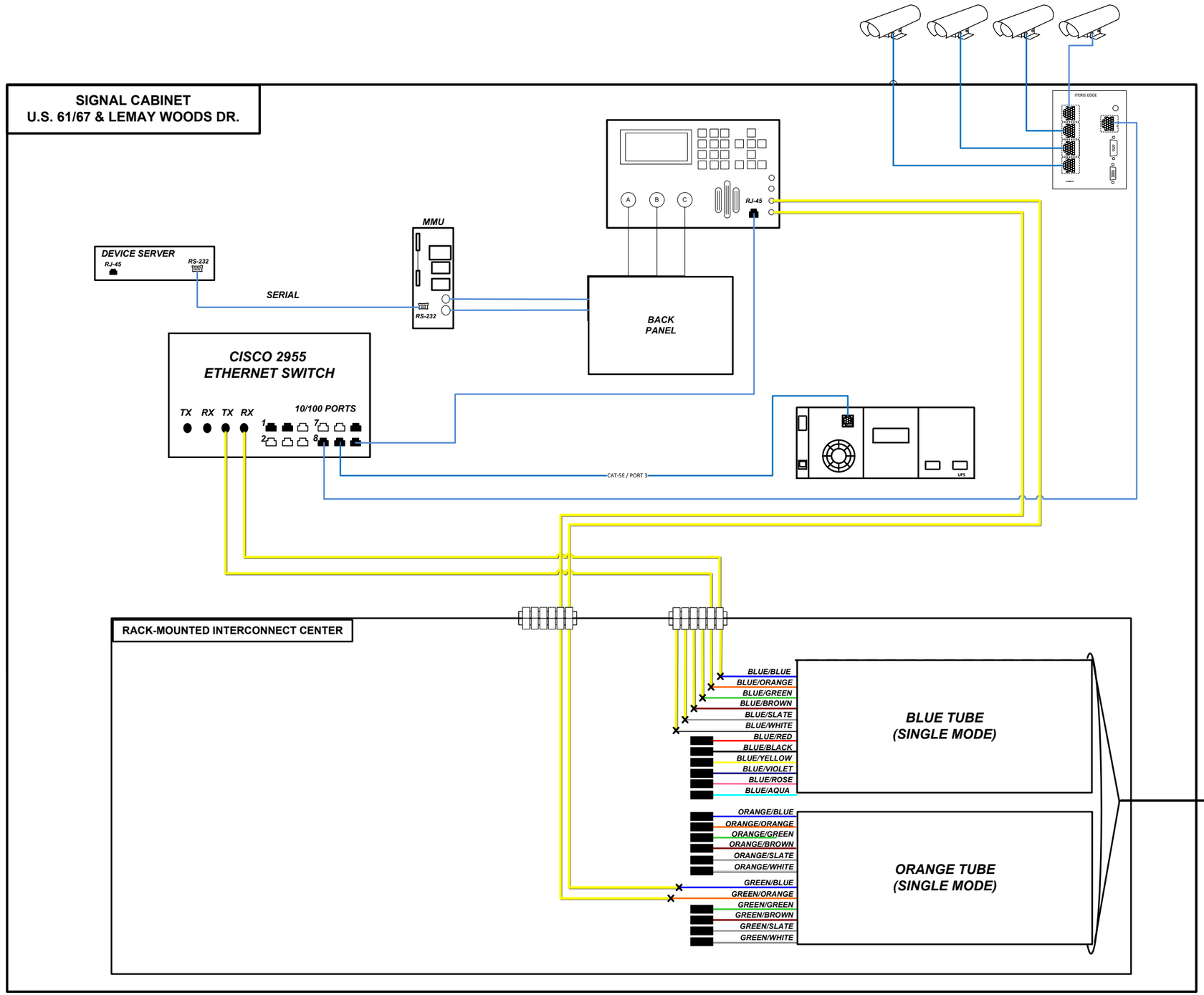
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KEY

E238.2D	DEVICE IDENTIFIER
	MICROWAVE DETECTOR
	EXISTING MICROWAVE DETECTOR
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	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
	FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

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NOTES

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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED
07-25-2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	223

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

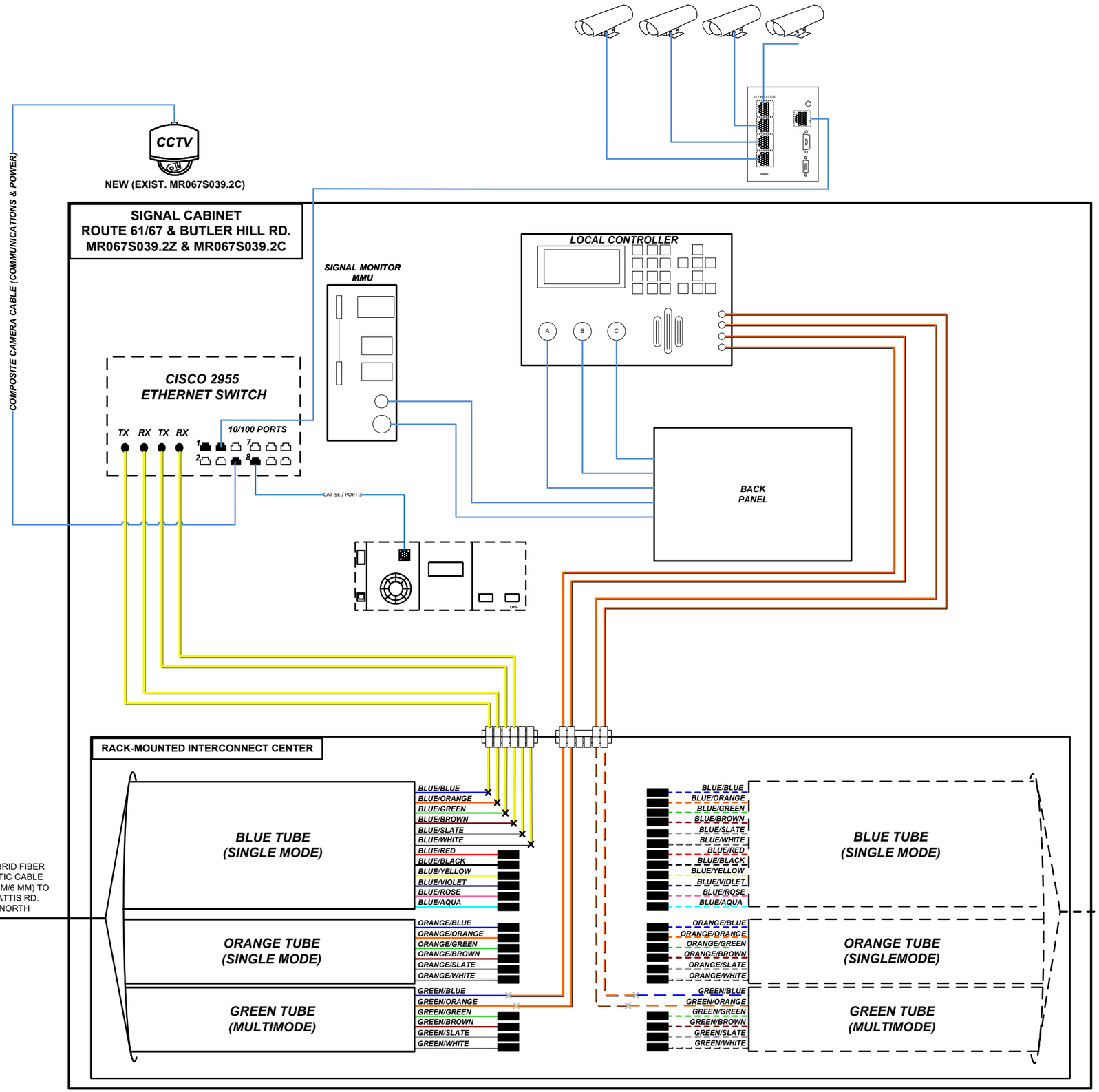
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SHEET 18 OF 26

SPLICING/TERMINATION DETAILS
SHEET 2 OF 10

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



KEY

E238.2D	DEVICE IDENTIFIER
	MICROWAVE DETECTOR
	EXISTING MICROWAVE DETECTOR
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	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
	FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

NOTES

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STATE OF MISSOURI
KENDRA MILLER
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DATE PREPARED	07-25-2025
ROUTE	61/67
STATE	MO
DISTRICT	SL
SHEET NO.	224
COUNTY	ST. LOUIS
JOB NO.	J6S3578
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

DESCRIPTION

DATE

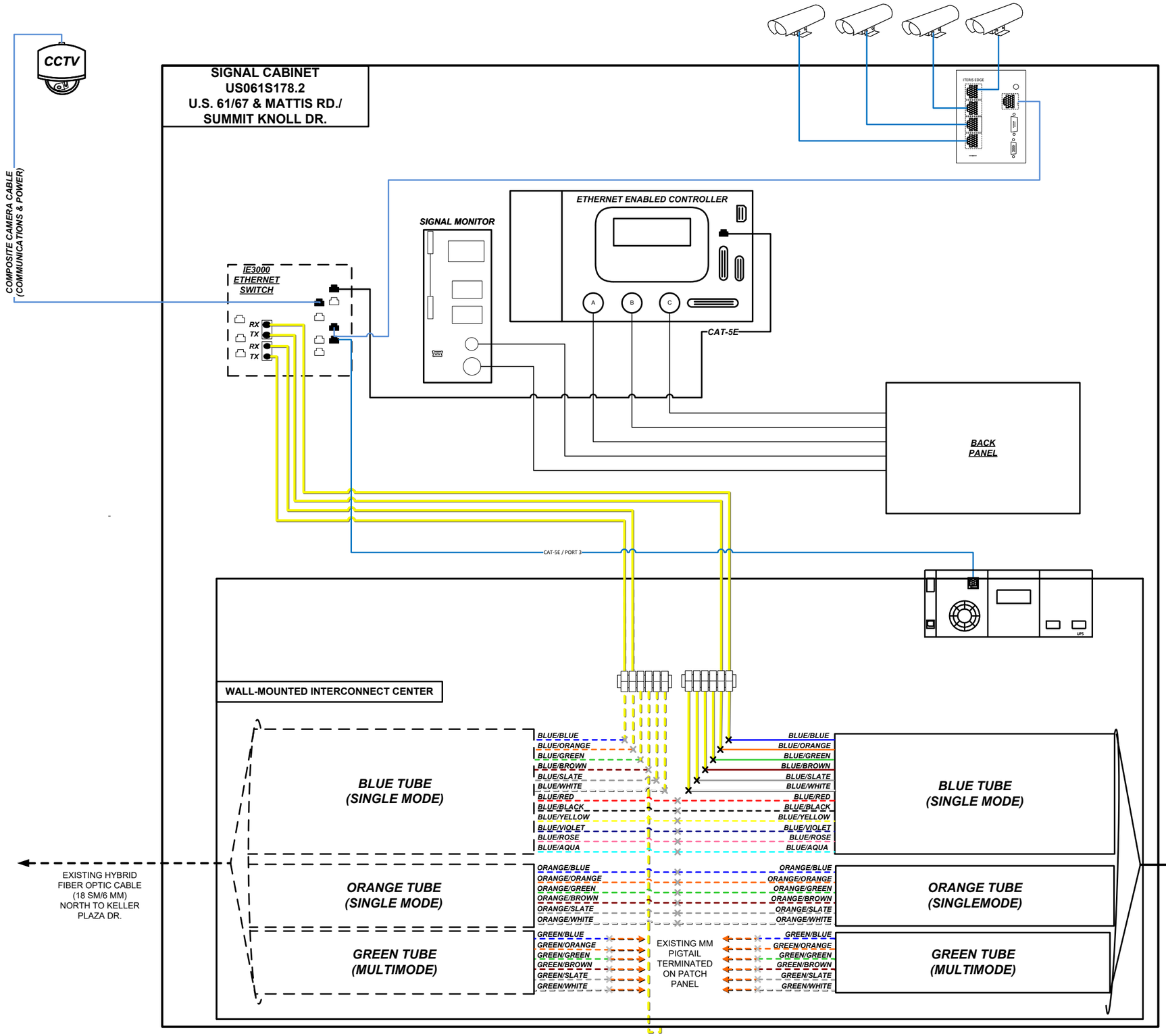
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GBA
16305 Swingley Ridge Rd
Ste. 300
Chesterfield, MO 63017
314.231.0100
GBAteam.com

SPLICING/TERMINATION DETAILS
SHEET 3 OF 10

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301



KEY

E238.2D	DEVICE IDENTIFIER
	MICROWAVE DETECTOR
	EXISTING MICROWAVE DETECTOR
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	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
	FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

NOTES

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.

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	07-25-2025
ROUTE	61/67
STATE	MO
DISTRICT	SL
SHEET NO.	225
COUNTY	ST. LOUIS
JOB NO.	J6S3578
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

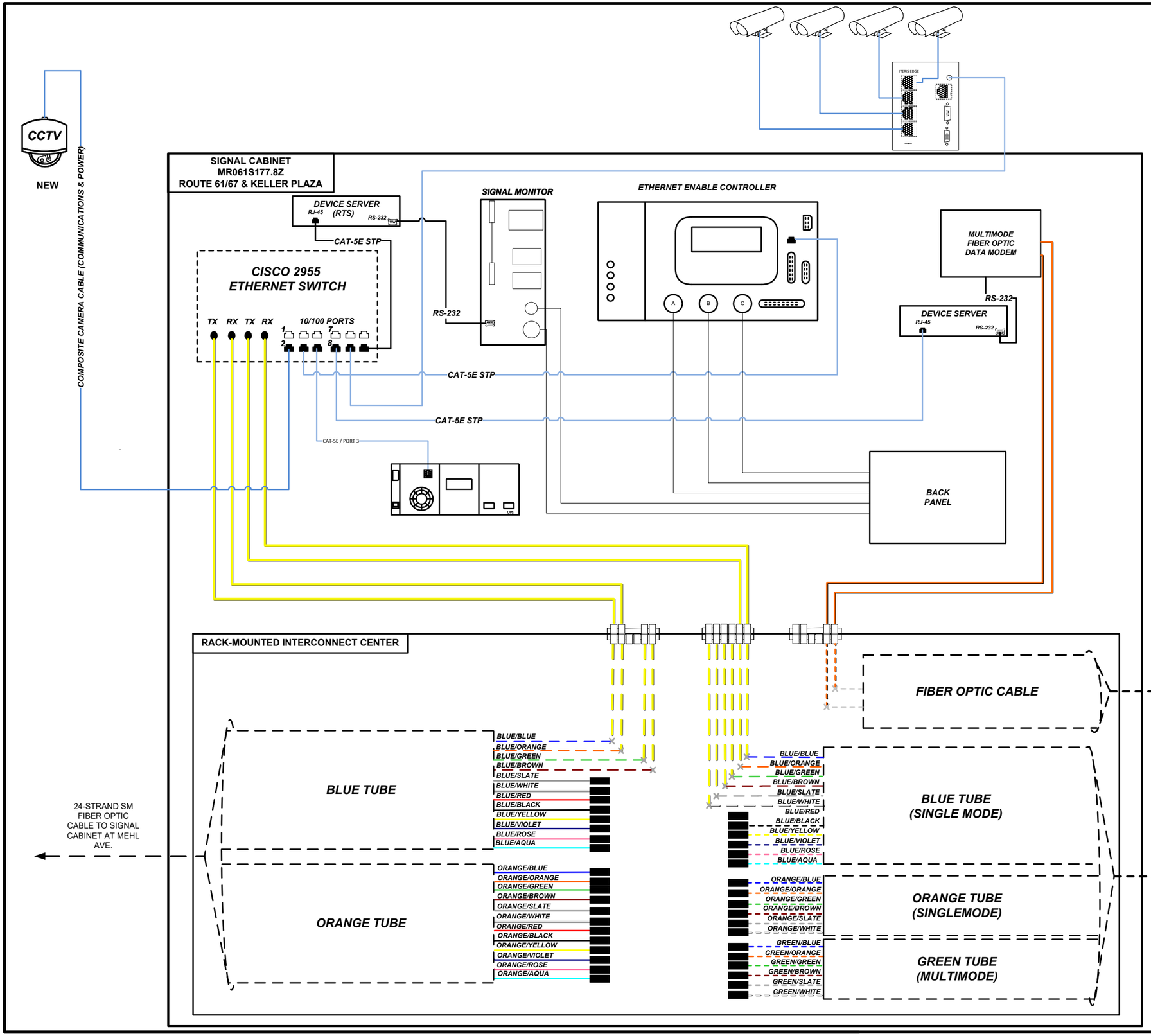
DESCRIPTION | DATE

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

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Ste. 300
Chesterfield, MO 63017
314.231.0100
GBAteam.com

SPLICING/TERMINATION DETAILS
SHEET 4 OF 10

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



KEY

E238.2D	DEVICE IDENTIFIER
	MICROWAVE DETECTOR
	EXISTING MICROWAVE DETECTOR
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	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
	FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

NOTES

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
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3. ALL SPLICES SHALL BE FUSION SPLICES
4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

SHEET 21 OF 26

SPLICING/TERMINATION DETAILS

SHEET 5 OF 10

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	07-25-2025
ROUTE	61/67
STATE	MO
DISTRICT	SL
SHEET NO.	226
COUNTY	ST. LOUIS
JOB NO.	J6S3578
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

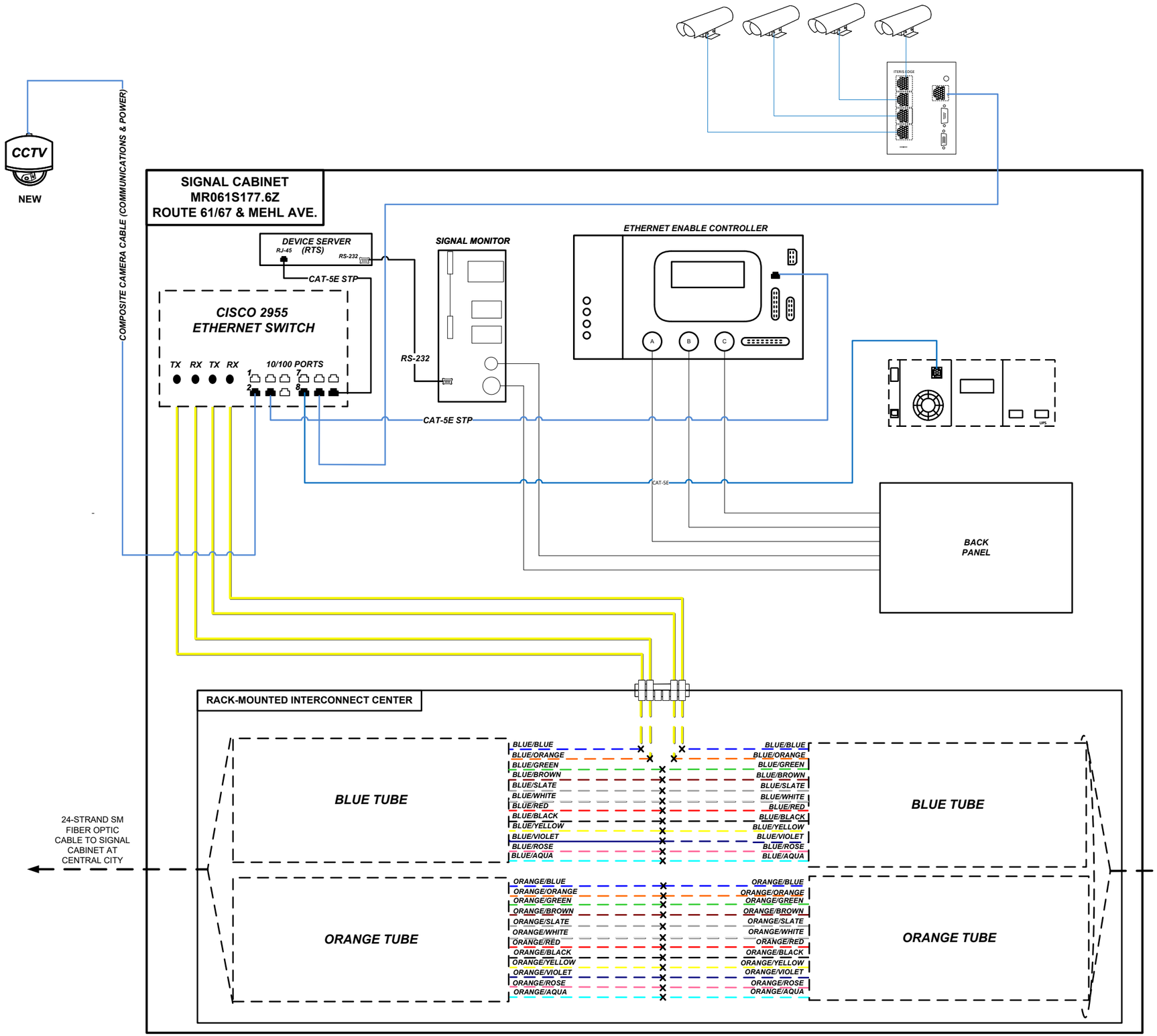
DESCRIPTION

DATE

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

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Chesterfield, MO 63017
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KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



KEY

E238.2D	DEVICE IDENTIFIER
	MICROWAVE DETECTOR
	EXISTING MICROWAVE DETECTOR
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	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
	FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

NOTES

1. MAXIMUM SPLICE LOSS SHALL BE 0.1 dB
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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07-25-2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	227

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION	DATE

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

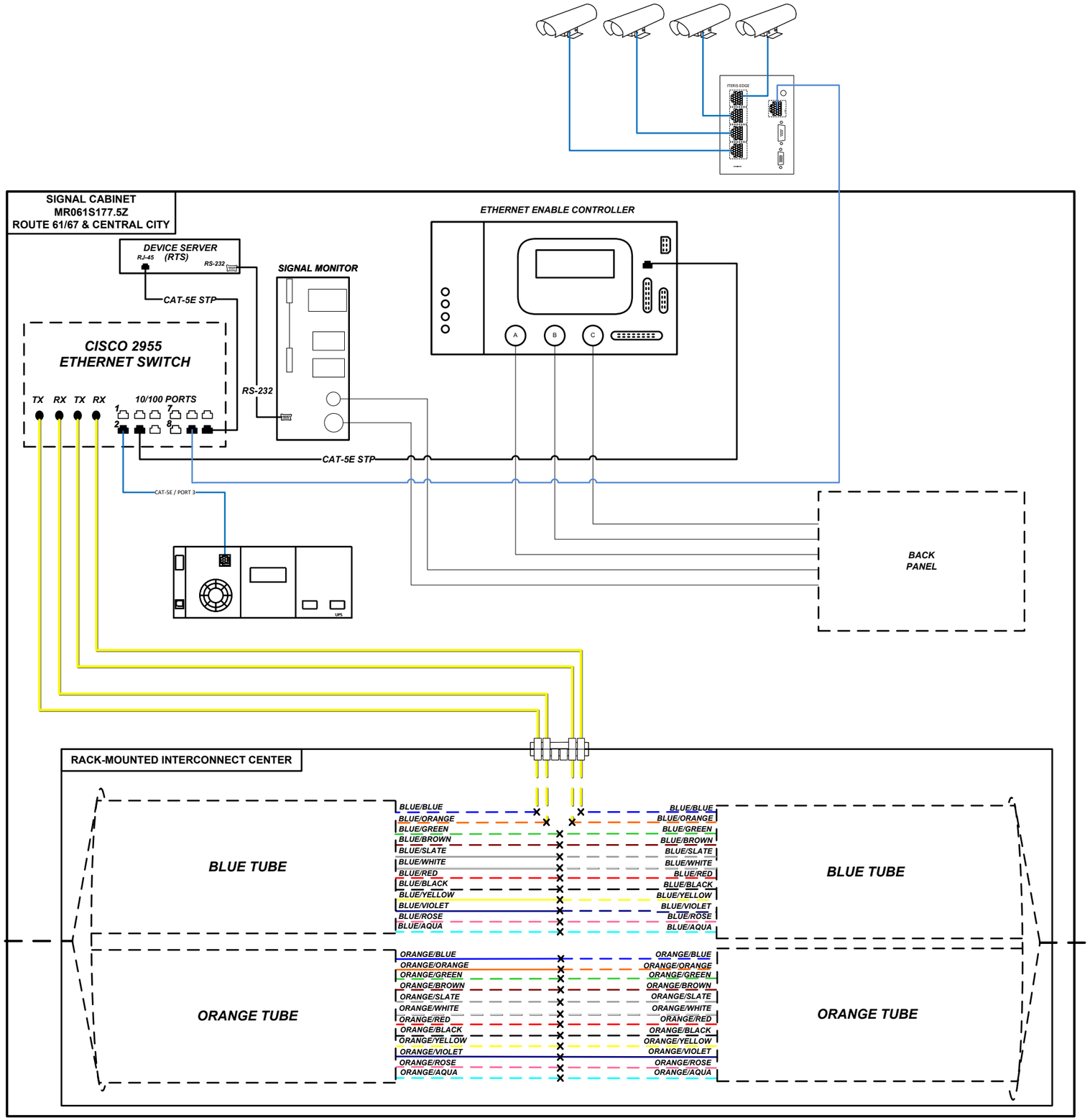
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SHEET 22 OF 26

SPLICING/TERMINATION DETAILS

SHEET 6 OF 10

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301



KEY

E238.2D	DEVICE IDENTIFIER
	MICROWAVE DETECTOR
	EXISTING MICROWAVE DETECTOR
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
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	FUSION SPLICE
	PATCH PANEL MODULE
	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

NOTES

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4. DASHED LINES INDICATE EXISTING EQUIPMENT OR CABLING.

SHEET 23 OF 26

SPLICING/TERMINATION DETAILS
SHEET 7 OF 10

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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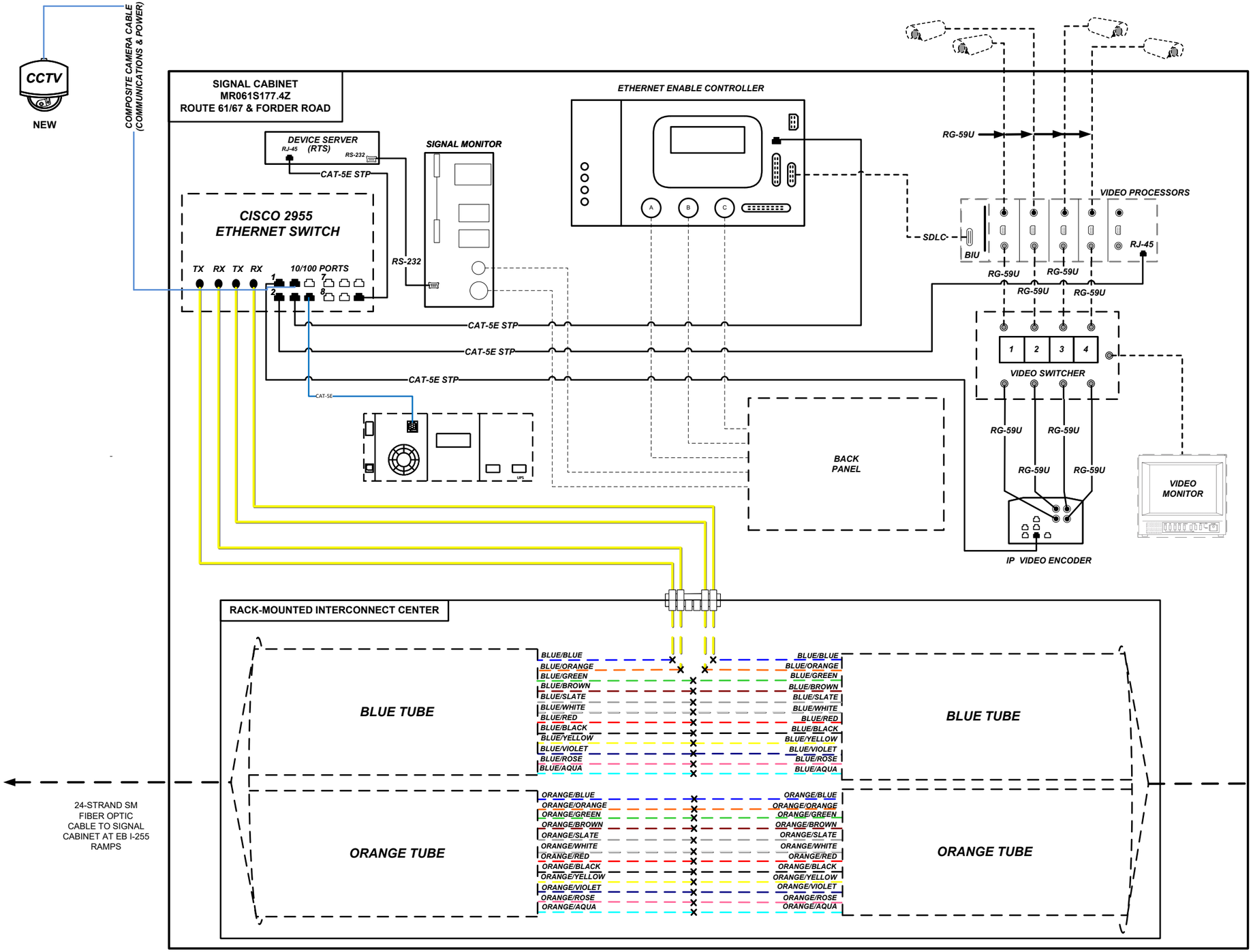
DATE PREPARED	07-25-2025
ROUTE	61/67
STATE	MO
DISTRICT	SL
SHEET NO.	228
COUNTY	ST. LOUIS
JOB NO.	J6S3578
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

DESCRIPTION | DATE

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

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Ste. 300
Chesterfield, MO 63017
314.231.0100
GBAteam.com

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301



KEY

E238.2D	DEVICE IDENTIFIER
	MICROWAVE DETECTOR
	EXISTING MICROWAVE DETECTOR
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	MM FIBER OPTIC PIGTAIL
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	FUSION SPLICE
	PATCH PANEL MODULE
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VDS AP	SENSYS DETECTION SYSTEM

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

NOTES

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SHEET 24 OF 26

SPLICING/TERMINATION DETAILS

SHEET 8 OF 10

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED	07-25-2025
ROUTE	61/67
STATE	MO
DISTRICT	SL
SHEET NO.	229
COUNTY	ST. LOUIS
JOB NO.	J6S3578
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

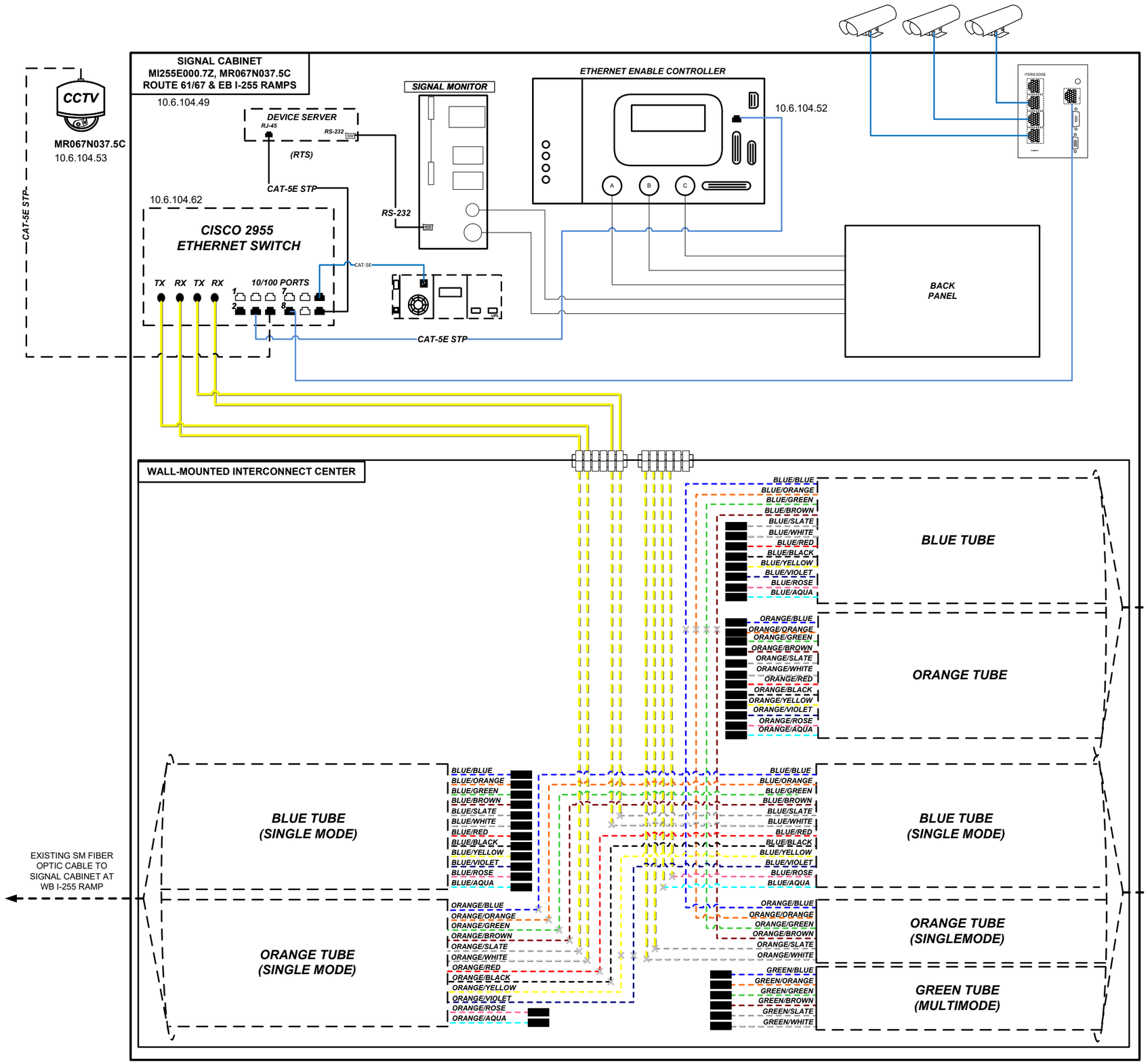
DESCRIPTION

DATE

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Chesterfield, MO 63017
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KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301



KEY

E238.2D	DEVICE IDENTIFIER
	MICROWAVE DETECTOR
	EXISTING MICROWAVE DETECTOR
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
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SHEET 25 OF 26

SPLICING/TERMINATION DETAILS
SHEET 9 OF 10

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

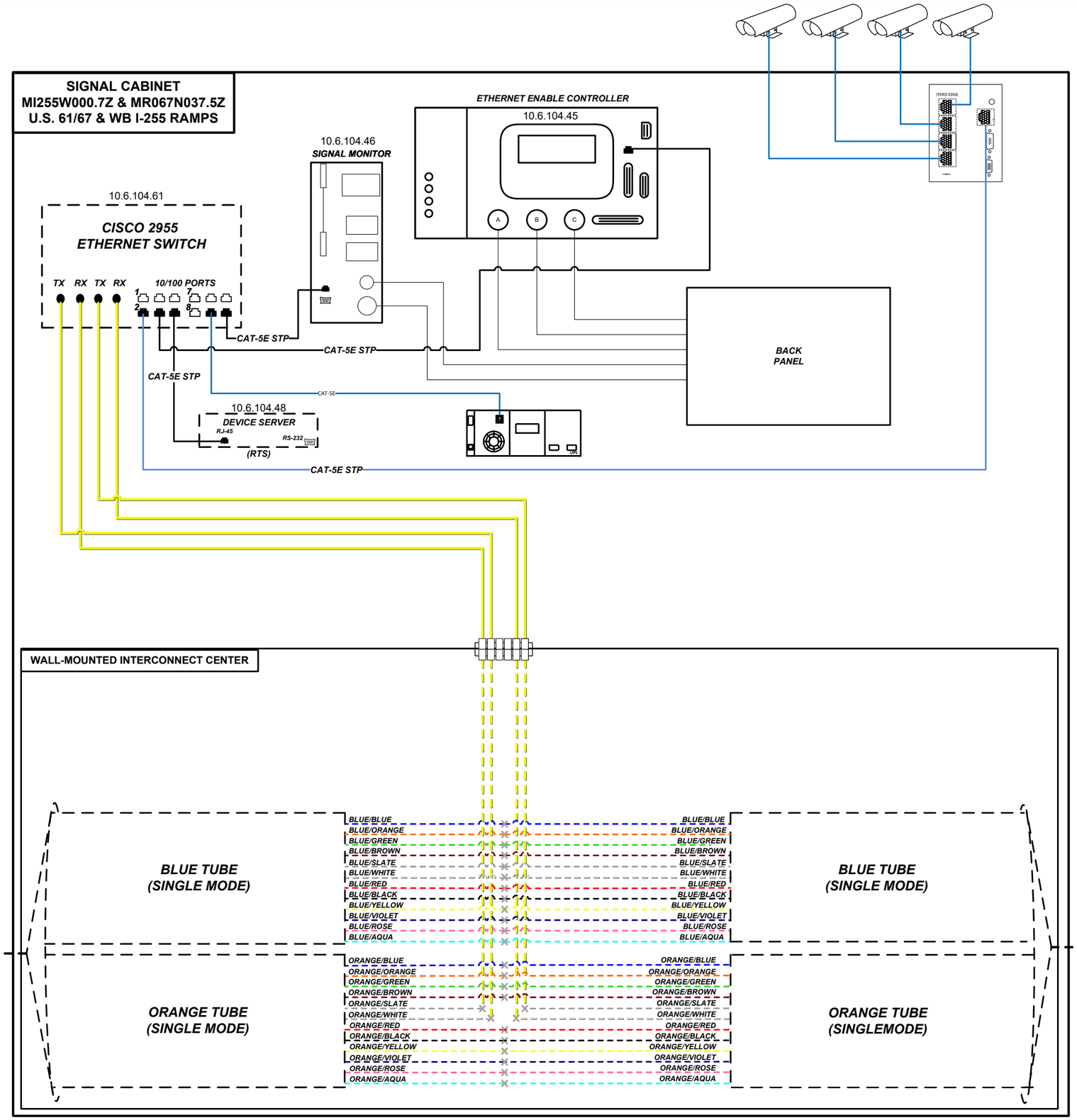
DATE PREPARED	07-25-2025
ROUTE	61/67
STATE	MO
DISTRICT	SL
SHEET NO.	230
COUNTY	ST. LOUIS
JOB NO.	J6S3578
CONTRACT ID.	-
PROJECT NO.	-
BRIDGE NO.	-

DESCRIPTION | DATE

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

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Ste. 300
Chesterfield, MO 63017
314.231.0100
GBAteam.com

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



KEY

E238.2D	DEVICE IDENTIFIER
	MICROWAVE DETECTOR
	EXISTING MICROWAVE DETECTOR
CCTV	CCTV CAMERA
CCTV	EXISTING CCTV CAMERA
DMS	DYNAMIC MESSAGE SIGN
DMS	EXISTING DYNAMIC MESSAGE SIGN
	EQUIPMENT CONNECTION FIBER OPTIC JUMPER
	FIBER OPTIC PIGTAIL
	MM PATCH THROUGH FIBER OPTIC JUMPER
	MM EQUIPMENT CONNECTION FIBER OPTIC JUMPER
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	FUSION SPLICE
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	WIRELESS LINK
VDS AP	SENSYS DETECTION SYSTEM

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SHEET 26 OF 26

SPLICING/TERMINATION DETAILS
SHEET 10 OF 10

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07-25-2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	231

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
-

PROJECT NO.
-

BRIDGE NO.
-

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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Chesterfield, MO 63017
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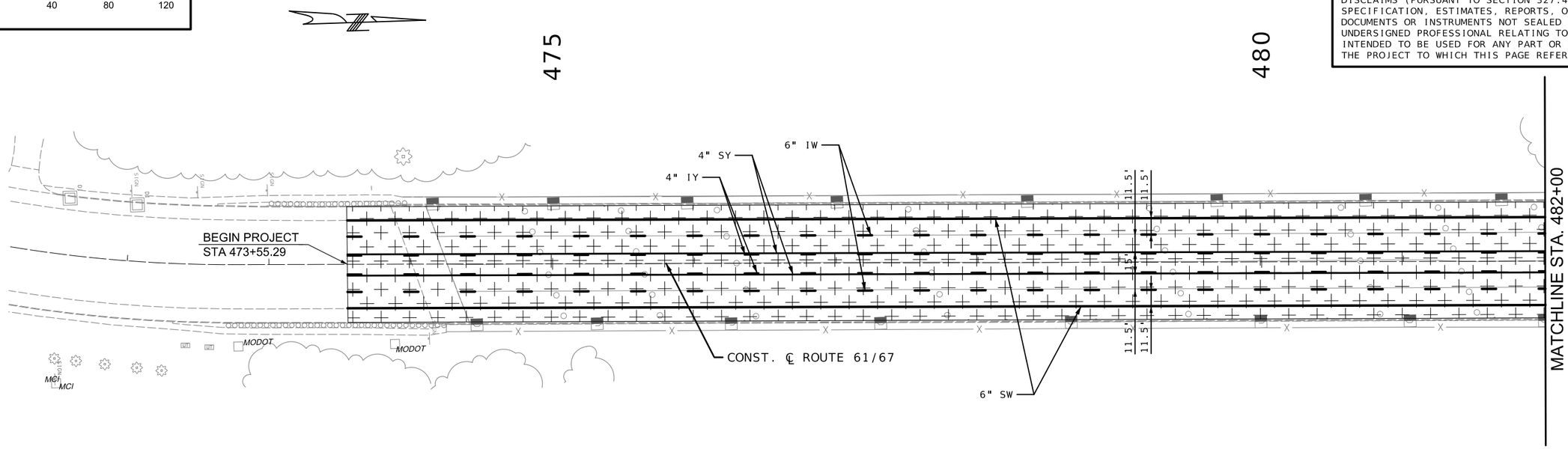
KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

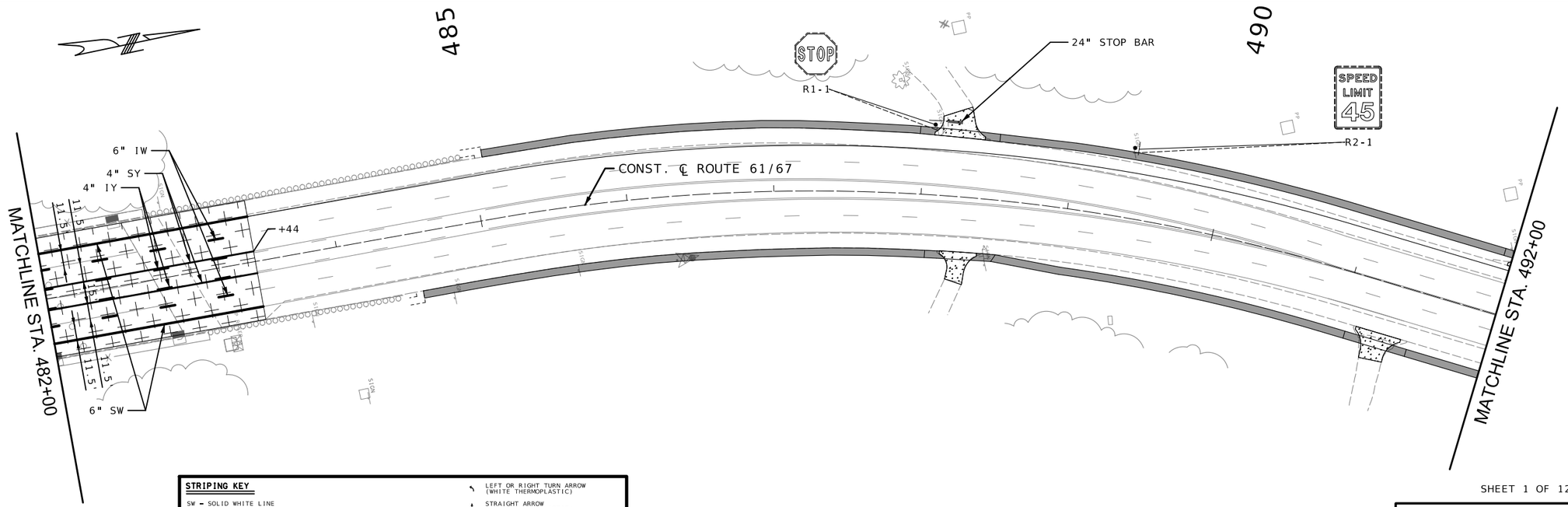
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STRIPING KEY

- 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 COMBINATION STRAIGHT/LEFT ARROW (WHITE THERMOPLASTIC)
- 24" YIELD BAR (WHITE THERMOPLASTIC)
- CONTINENTAL CROSSWALK (WHITE THERMOPLASTIC)
- ONLY LETTERING (WHITE THERMOPLASTIC)

SHEET 1 OF 12

PAVEMENT MARKING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	232

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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

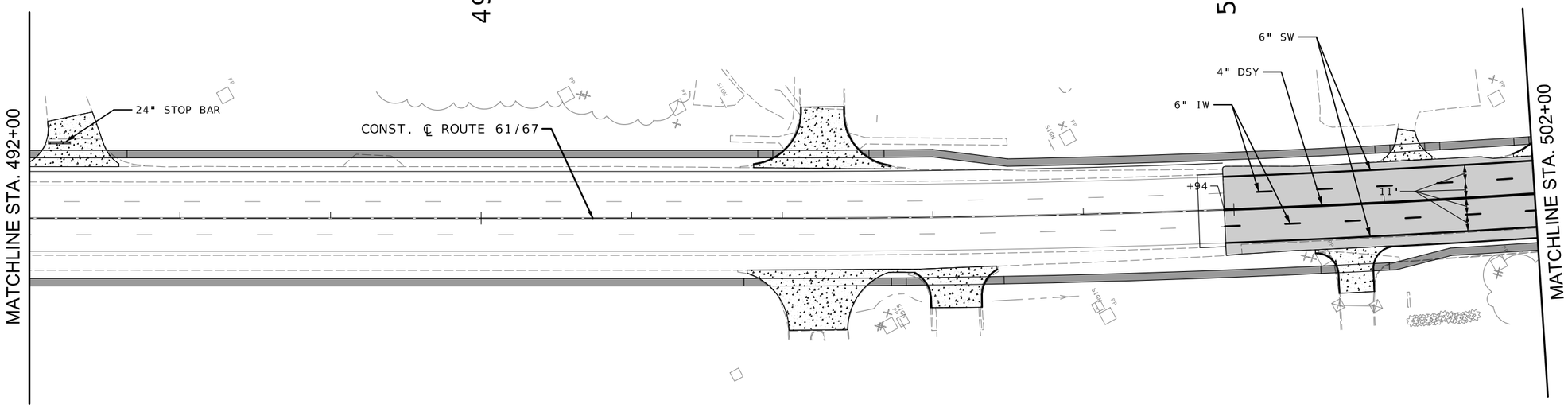
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

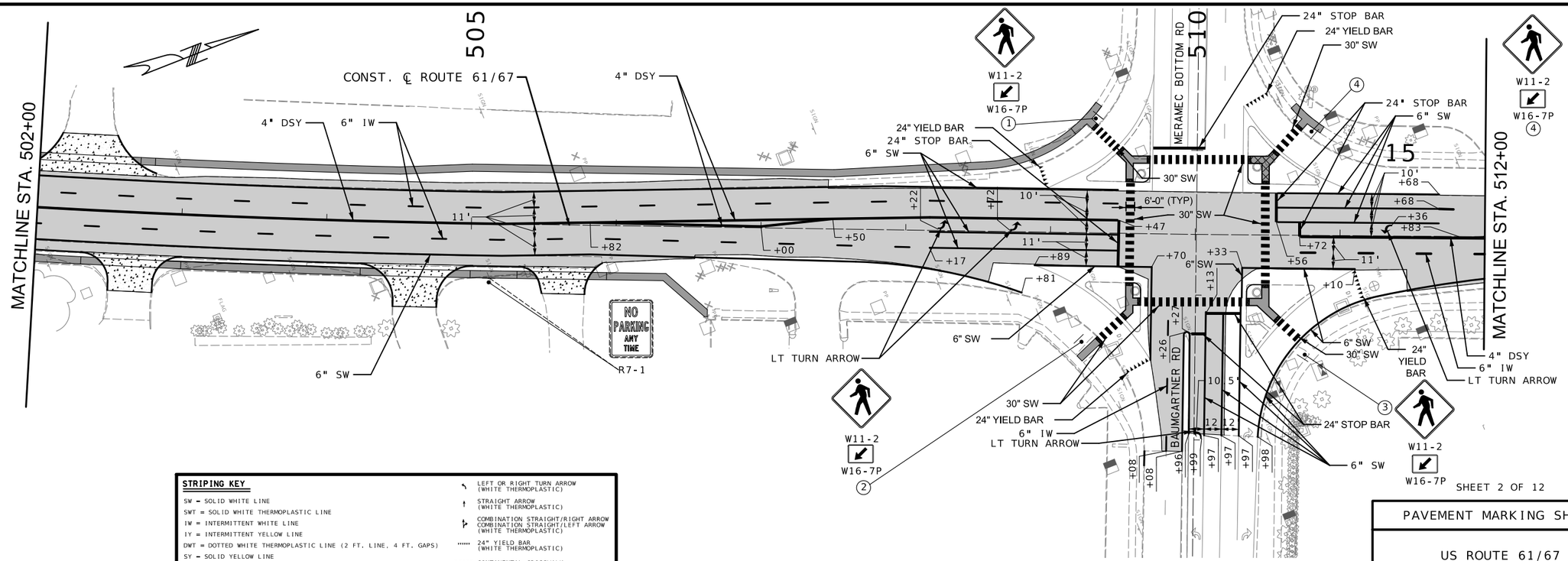
EDSI
ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
T. 636 537 5585
F. 636 537 0275
Missouri State Engineering Corporation #001523

FINAL PLANS

SCALE
0 40 80 120

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STRIPING KEY

SW = SOLID WHITE LINE	LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
SWT = SOLID WHITE THERMOPLASTIC LINE	STRAIGHT ARROW (WHITE THERMOPLASTIC)
IW = INTERMITTENT WHITE LINE	COMBINATION STRAIGHT/RIGHT ARROW COMBINATION STRAIGHT/LEFT ARROW (WHITE THERMOPLASTIC)
IY = INTERMITTENT YELLOW LINE	24" YIELD BAR (WHITE THERMOPLASTIC)
DWT = DOTTED WHITE THERMOPLASTIC LINE (2 FT. LINE, 4 FT. GAPS)	CONTINENTAL CROSSWALK (WHITE THERMOPLASTIC)
SY = SOLID YELLOW LINE	ONLY LETTERING (WHITE THERMOPLASTIC)
SYT = SOLID YELLOW THERMOPLASTIC LINE	
DSY = DOUBLE SOLID YELLOW LINE	

PAVEMENT MARKING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

SHEET 2 OF 12

STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	233

COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

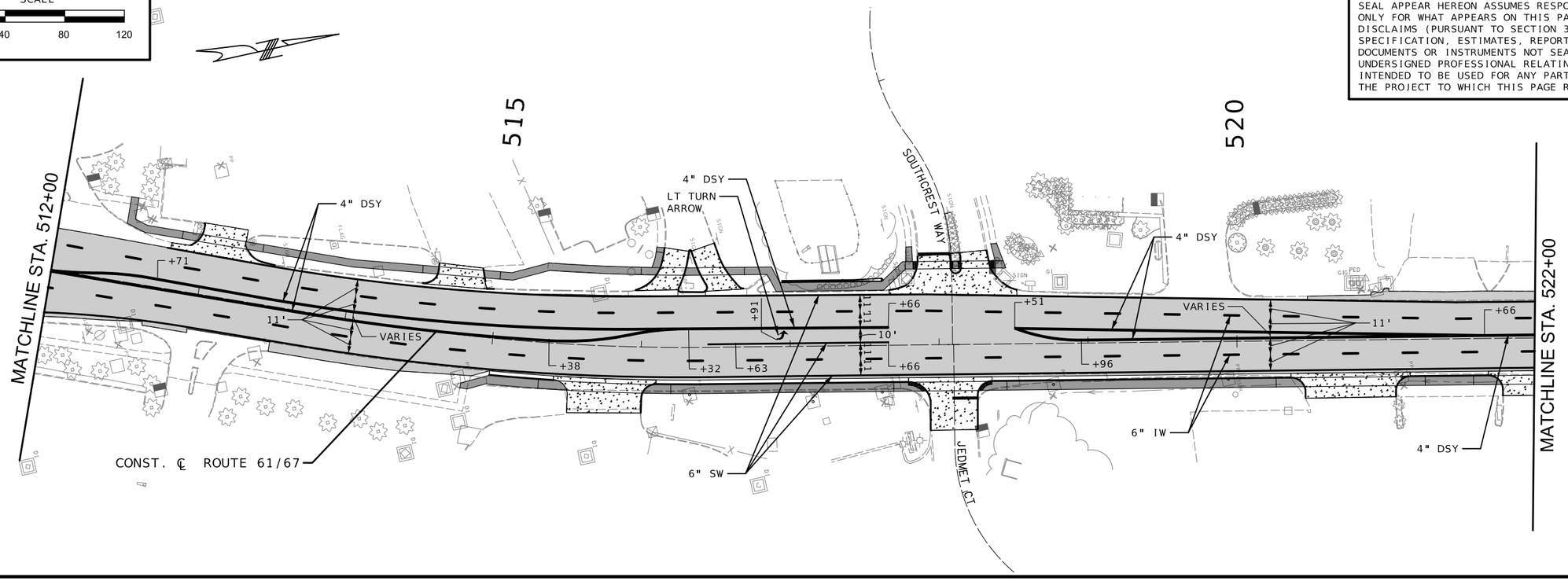
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

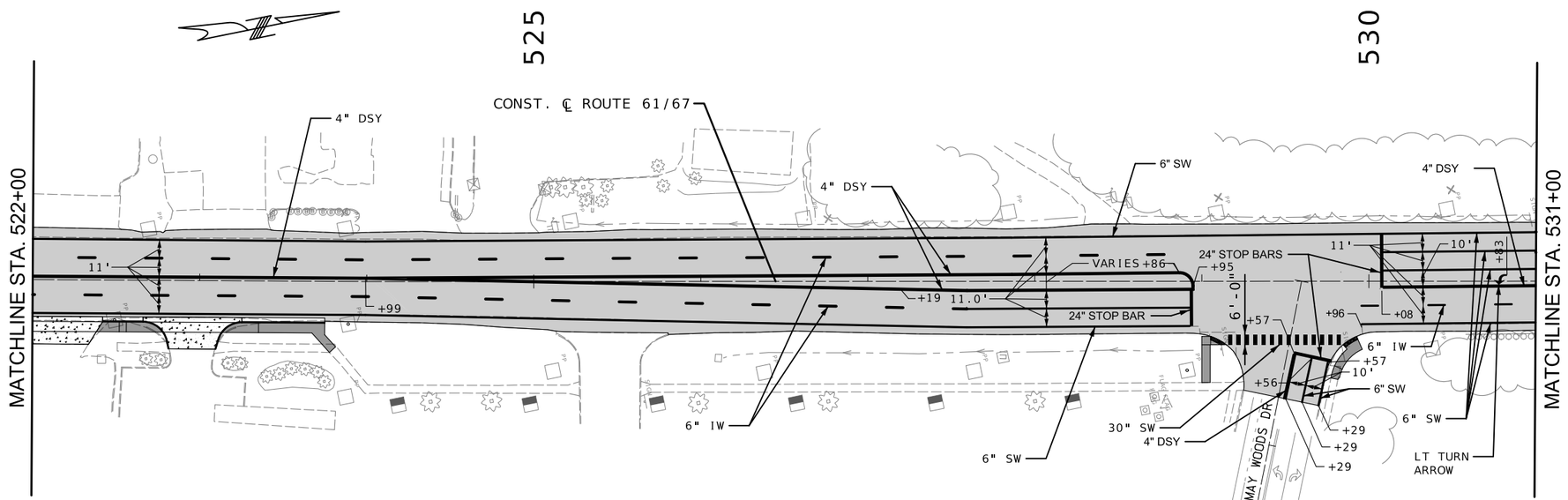
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ENGINEERING DESIGN SOURCE, INC.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
Missouri State Engineering Corporation #001523
T. 636 537 5585
F. 636 537 0275

FINAL PLANS

SCALE
0 40 80 120





STRIPING KEY

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- IW = INTERMITTENT WHITE LINE
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- COMBINATION STRAIGHT/RIGHT ARROW COMBINATION STRAIGHT/LEFT ARROW (WHITE THERMOPLASTIC)
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- CONTINENTAL CROSSWALK (WHITE THERMOPLASTIC)
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STATE OF MISSOURI
GARY ANTHONY WHITESIDE
NUMBER PE-2020000097
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	234

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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.
16305 Swingley Ridge Rd., Suite 500
Chesterfield, Missouri 63017
T. 636 537 5585
F. 636 537 0275
Missouri State Engineering Corporation #001523

SHEET 3 OF 12

PAVEMENT MARKING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

FINAL PLANS

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
COMBINATION STRAIGHT/LEFT ARROW (WHITE THERMOPLASTIC)
24" YIELD BAR (WHITE THERMOPLASTIC)
CONTINENTAL CROSSWALK (WHITE THERMOPLASTIC)
ONLY LETTERING (WHITE THERMOPLASTIC)

SCALE
0 40 80 120

MATCHLINE STA. 530+00
MATCHLINE STA. 540+00
EXIST. R/W
CONST. ℄ ROUTE 61/67
535
6" SW
6" IW
4" DSY
+09
+83
+34
+20
+31
+49
10' LANE
11' LANE
11' LANE
11' LANE
11' LANE

SCALE
0 40 80 120

MATCHLINE STA. 540+00
MATCHLINE STA. 550+00
CONST. ℄ ROUTE 61/67
545
EXIST. R/W
6" SW
6" IW
4" DSY
+22
+63
+46
+47
+67
+69
+79
+54
+71
50
11' LANE
11' LANE
11' LANE
PROVIDENCE PLACE DR.

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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	235

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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DESCRIPTION	DATE
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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GBA
16305 SWINGLEY RIDGE RD
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CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

SHEET 4 OF 12

PAVEMENT MARKING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

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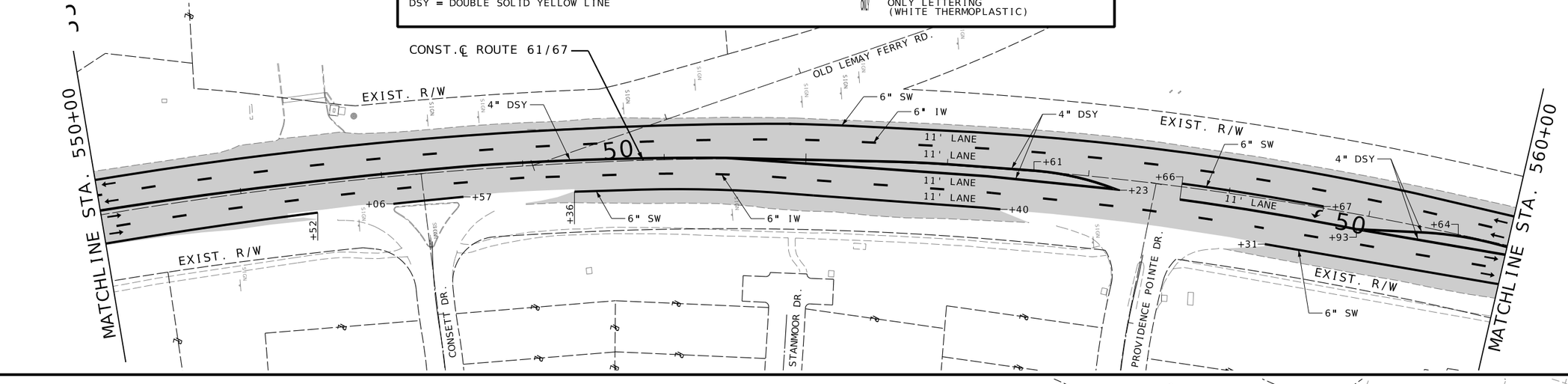
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SYT = SOLID YELLOW THERMOPLASTIC LINE
DSY = DOUBLE SOLID YELLOW LINE

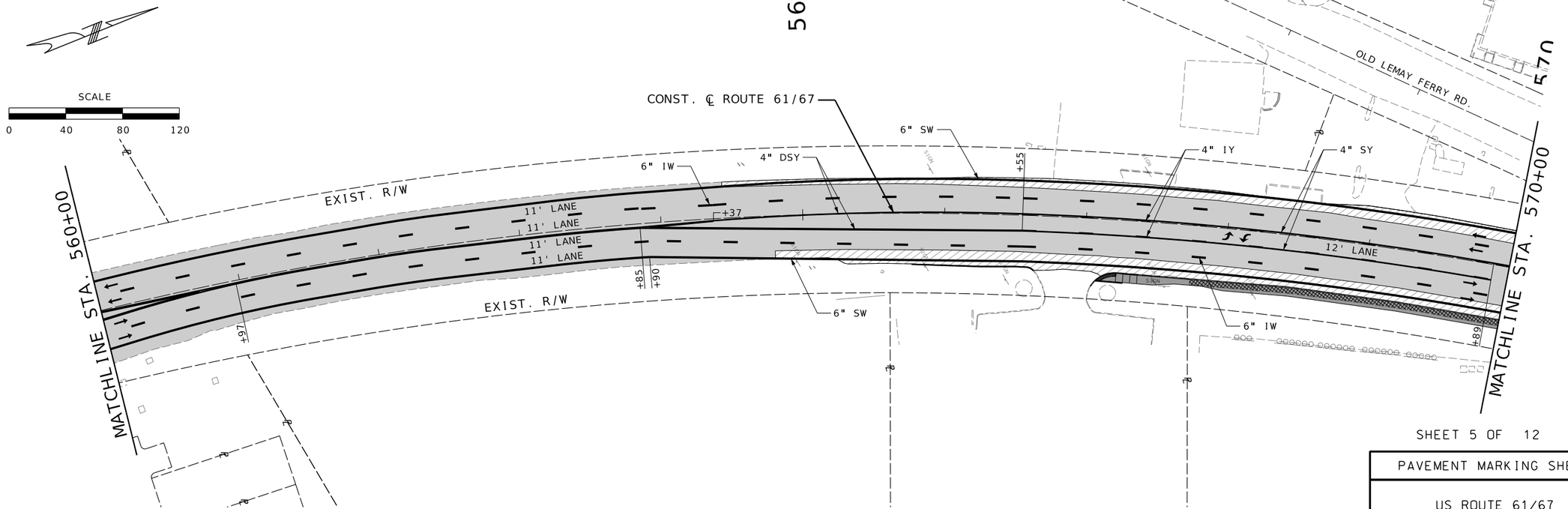
LEFT OR RIGHT TURN ARROW (WHITE THERMOPLASTIC)
STRAIGHT ARROW (WHITE THERMOPLASTIC)
COMBINATION STRAIGHT/RIGHT ARROW
COMBINATION STRAIGHT/LEFT ARROW (WHITE THERMOPLASTIC)
24" YIELD BAR (WHITE THERMOPLASTIC)
CONTINENTAL CROSSWALK (WHITE THERMOPLASTIC)
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SCALE
0 40 80 120



565



570

SHEET 5 OF 12

PAVEMENT MARKING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	236

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
.

BRIDGE NO.
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DESCRIPTION	DATE
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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16305 SWINGLEY RIDGE RD
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CHESTERFIELD, MO 63017
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

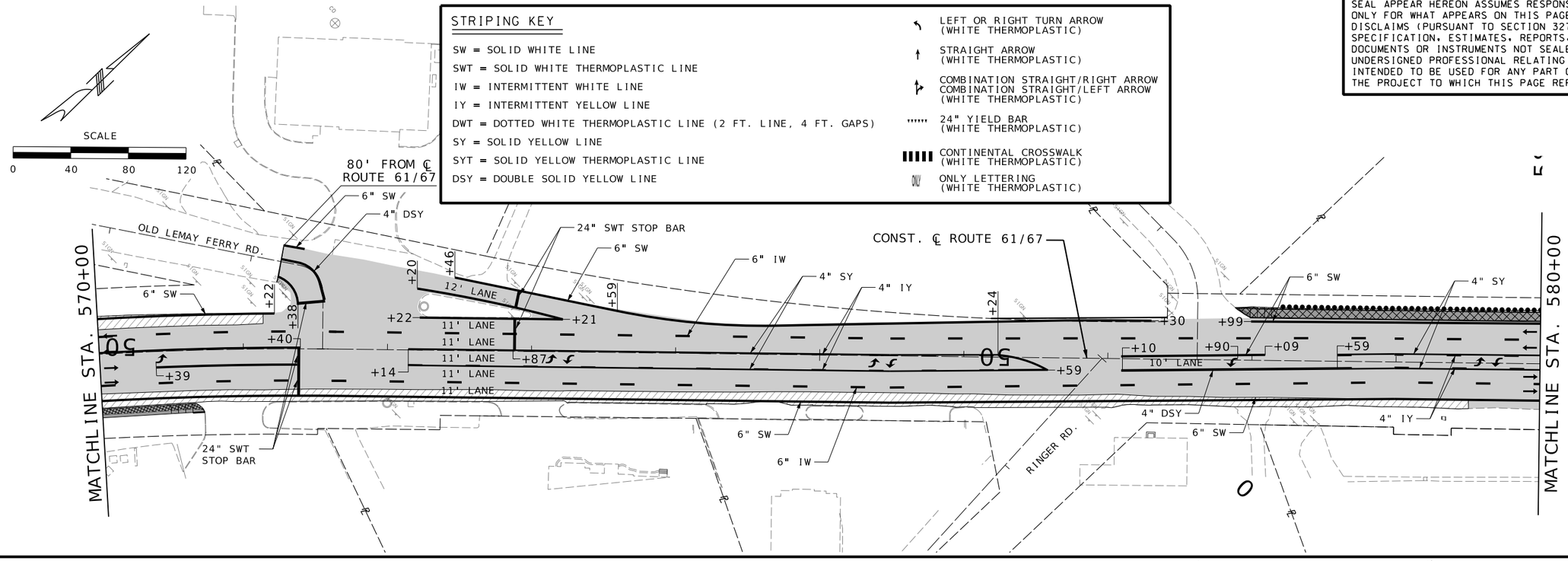
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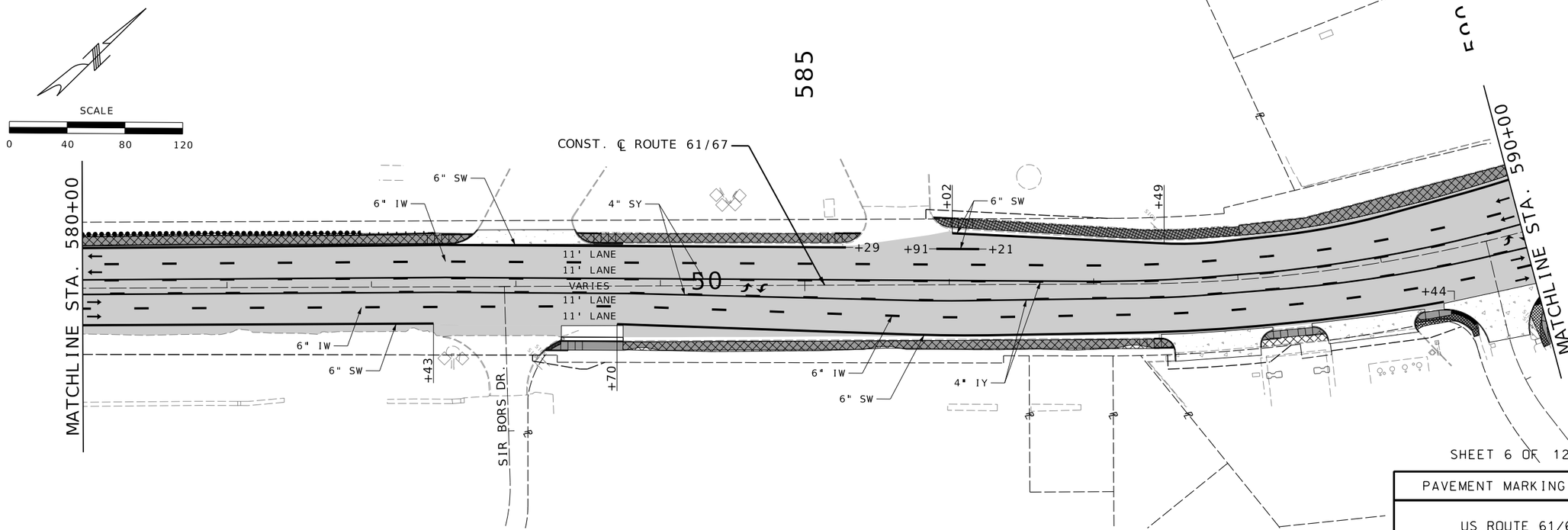
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SHEET 6 OF 12

PAVEMENT MARKING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	237

COUNTY: ST. LOUIS
JOB NO.: J6S3578
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:

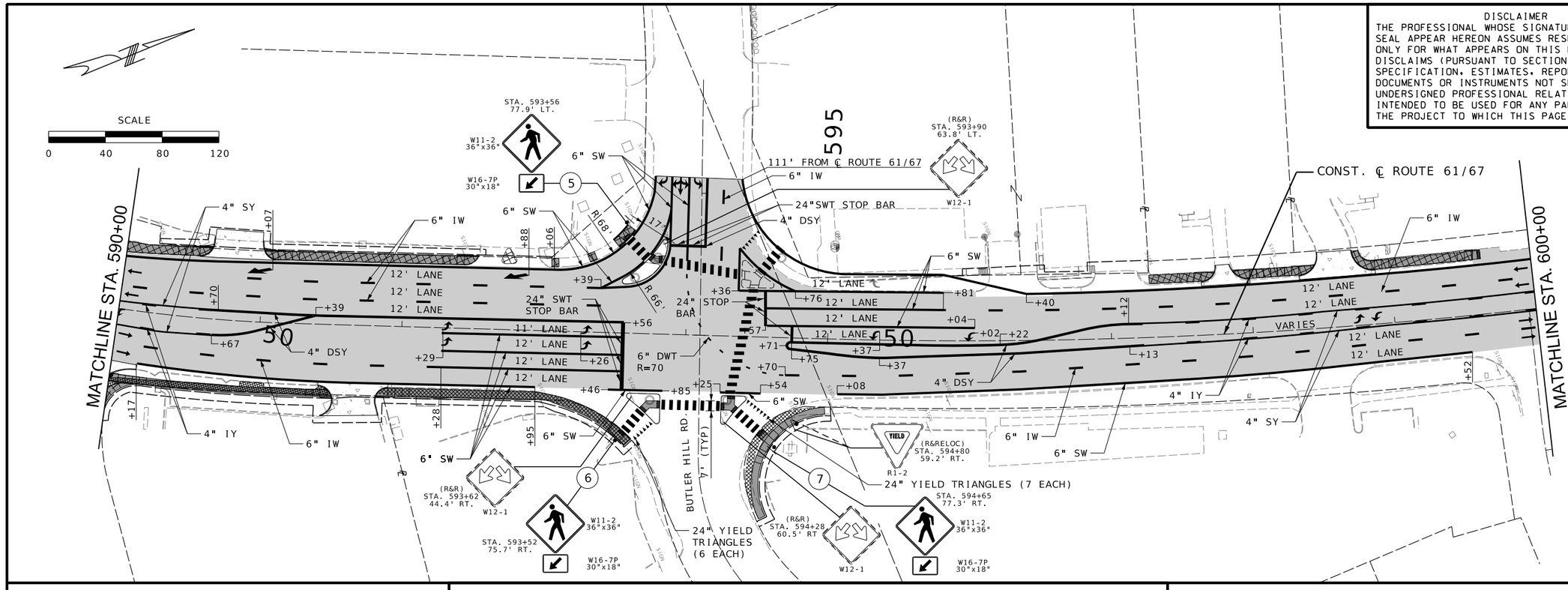
DESCRIPTION | DATE | REV.

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

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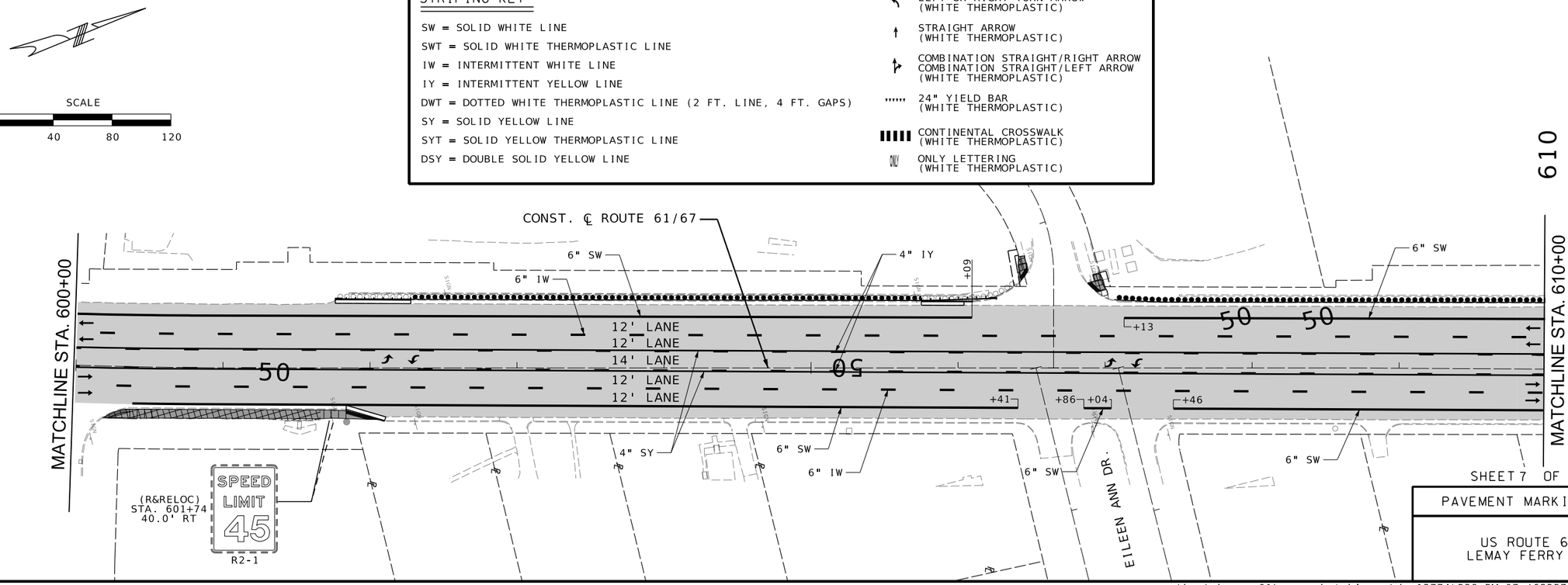


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COMBINATION STRAIGHT/RIGHT ARROW COMBINATION STRAIGHT/LEFT ARROW (WHITE THERMOPLASTIC)
24" YIELD BAR (WHITE THERMOPLASTIC)
CONTINENTAL CROSSWALK (WHITE THERMOPLASTIC)
ONLY LETTERING (WHITE THERMOPLASTIC)



SHEET 7 OF 12

PAVEMENT MARKING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 238
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID. .
PROJECT NO. .
BRIDGE NO. .

DESCRIPTION | DATE

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

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

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ST. 300
CHESTERFIELD, MO 63017
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GBAteam.com

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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

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STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
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24" YIELD BAR (WHITE THERMOPLASTIC)
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SCALE
0 40 80 120

6" IW
6" SW
CONST. ℄ ROUTE 61/67
6" SW
4" SY
4" IY
EXIST. R/W
50
+52
+01
12' LANE
12' LANE
15' LANE
12' LANE
12' LANE
+34
+14
EXIST. R/W
MATCHLINE STA. 610+00
MATCHLINE STA. 620+00
6" IW
6" SW
6" SW

620

SCALE
0 40 80 120

CONST. ℄ ROUTE 61/67
6" SW
6" IW
4" SY
EXIST. R/W
4" DSY
+98
+09
+20
MATTIS RD.
EXIST. R/W
630
12' LANE
12' LANE
12' LANE
12' LANE
12' LANE
+08
6" SW
15' LANE
EXIST. R/W
+74
+19
+30
+11
24" SWT STOP BAR
+18
+46
MATCHLINE STA. 620+00
6" SW
6" IW
4" IY
6" IW
6" SW
4" DSY
MATCHLINE STA. 630+00
SUMMIT KNOLL DR.

SHEET 8 OF 12

PAVEMENT MARKING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	239

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
.

BRIDGE NO.
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DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

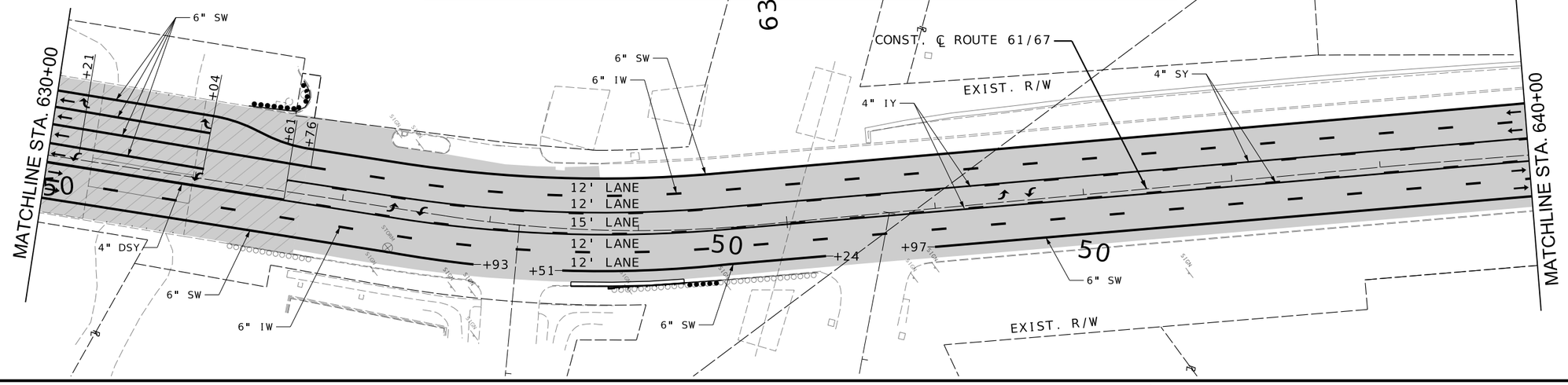
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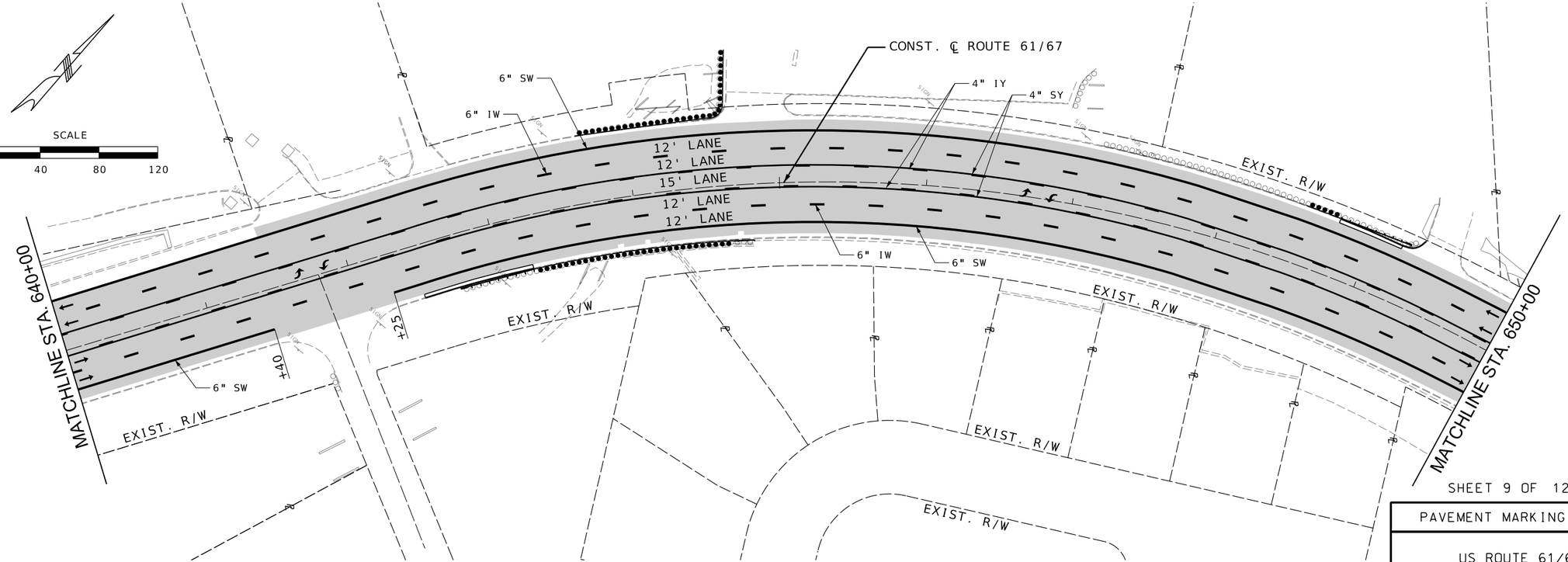
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SCALE
0 40 80 120





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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	240

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
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PROJECT NO.
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BRIDGE NO.
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REV.	DESCRIPTION	DATE
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105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

SHEET 9 OF 12

PAVEMENT MARKING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

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STRIPING KEY

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24" YIELD BAR (WHITE THERMOPLASTIC)
CONTINENTAL CROSSWALK (WHITE THERMOPLASTIC)
ONLY LETTERING (WHITE THERMOPLASTIC)

SCALE
0 40 80 120

CONST. ℄ ROUTE 61/67
MATCHLINE STA. 650+00
MATCHLINE STA. 660+00
MATCHLINE STA. 670+00
MEHL AVE.
KELLER PLAZA DR.
SOUTH LAKEVIEW PLAZA
EXIST. R/W
12' LANE
11' LANE
15' LANE
7' (TYP)
4" SY
4" IY
4" DSY
6" IW
6" SW
24" SWT STOP BAR
24" YIELD TRIANGLES (7 EACH)
6" SY
STA. 663+94 39.1' RT.
STA. 665+14 78.3' RT.
W11-2 36"x36"
W16-7P 30"x18"
133' FROM ℄ ROUTE 61/67
R 101'
R 133'
R 71.5'
R 73'
650
660
665
670
50

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KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

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DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	241

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
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REV.	DESCRIPTION	DATE
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JEFFERSON CITY, MO 65102
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CHESTERFIELD, MO 63017
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

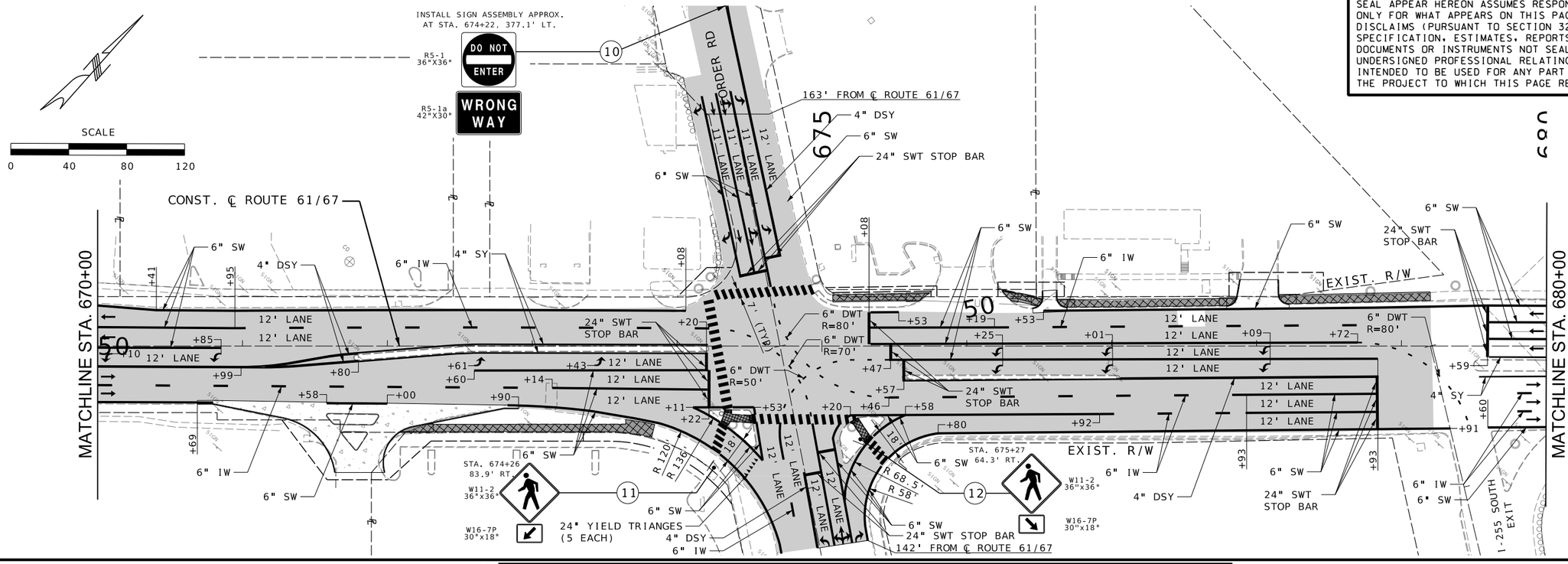
SHEET 10 OF 12

PAVEMENT MARKING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

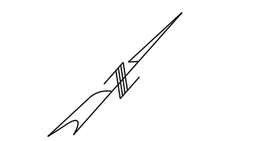
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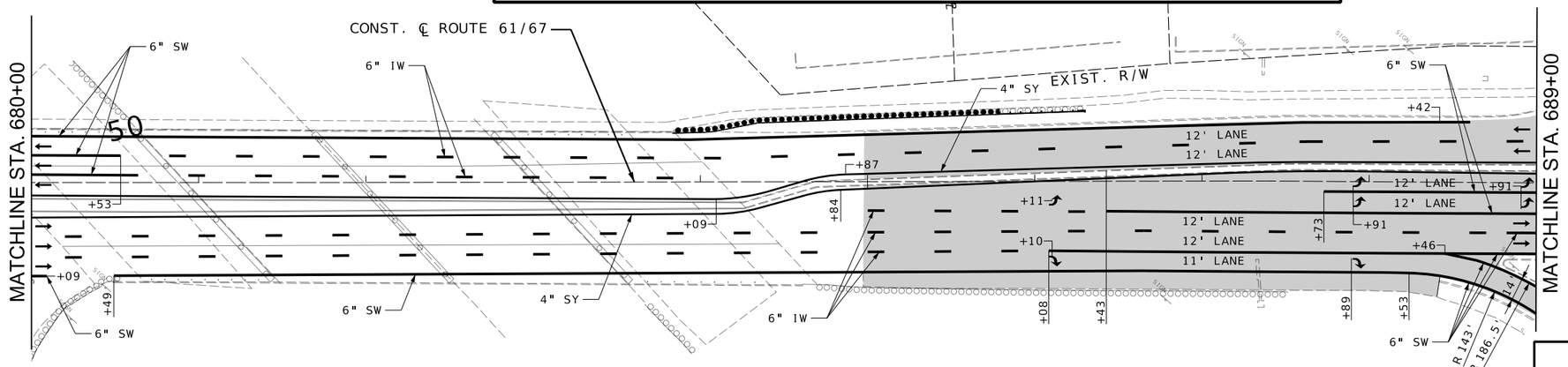


STRIPING KEY

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
COMBINATION STRAIGHT/LEFT ARROW
(WHITE THERMOPLASTIC)
24" YIELD BAR (WHITE THERMOPLASTIC)
CONTINENTAL CROSSWALK (WHITE THERMOPLASTIC)
ONLY LETTERING (WHITE THERMOPLASTIC)





SHEET 11 OF 12

PAVEMENT MARKING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	242

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

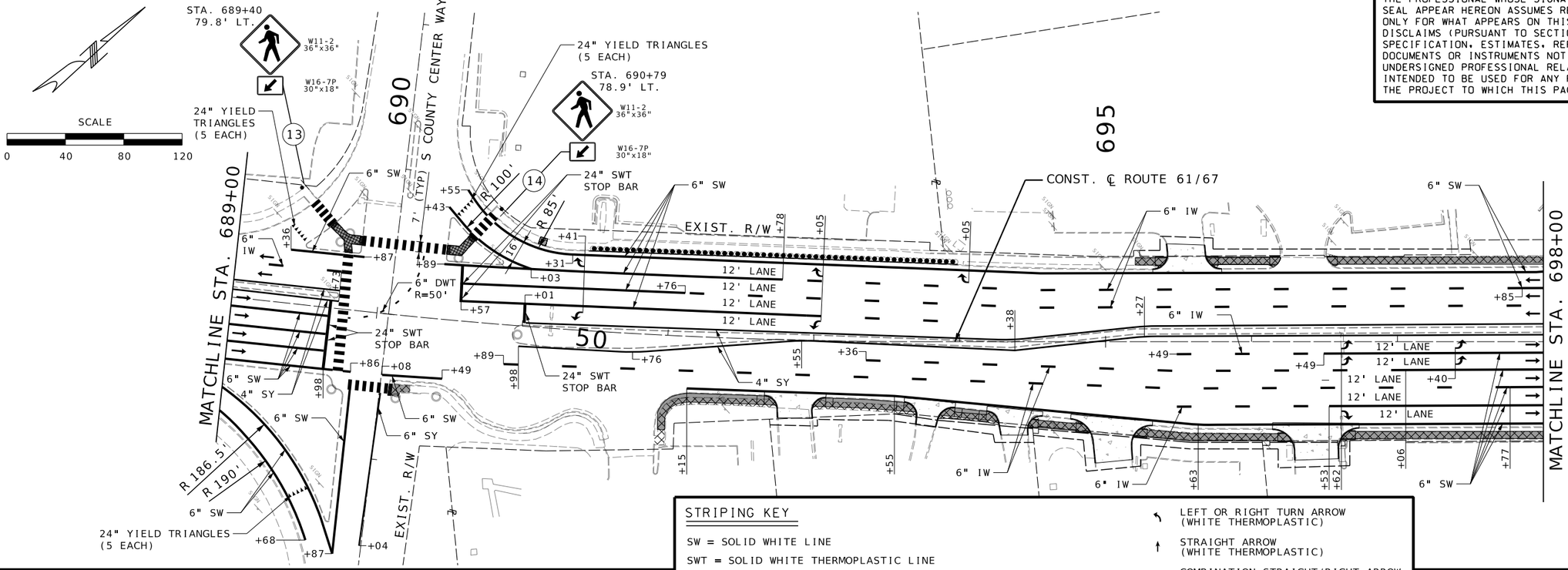
GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

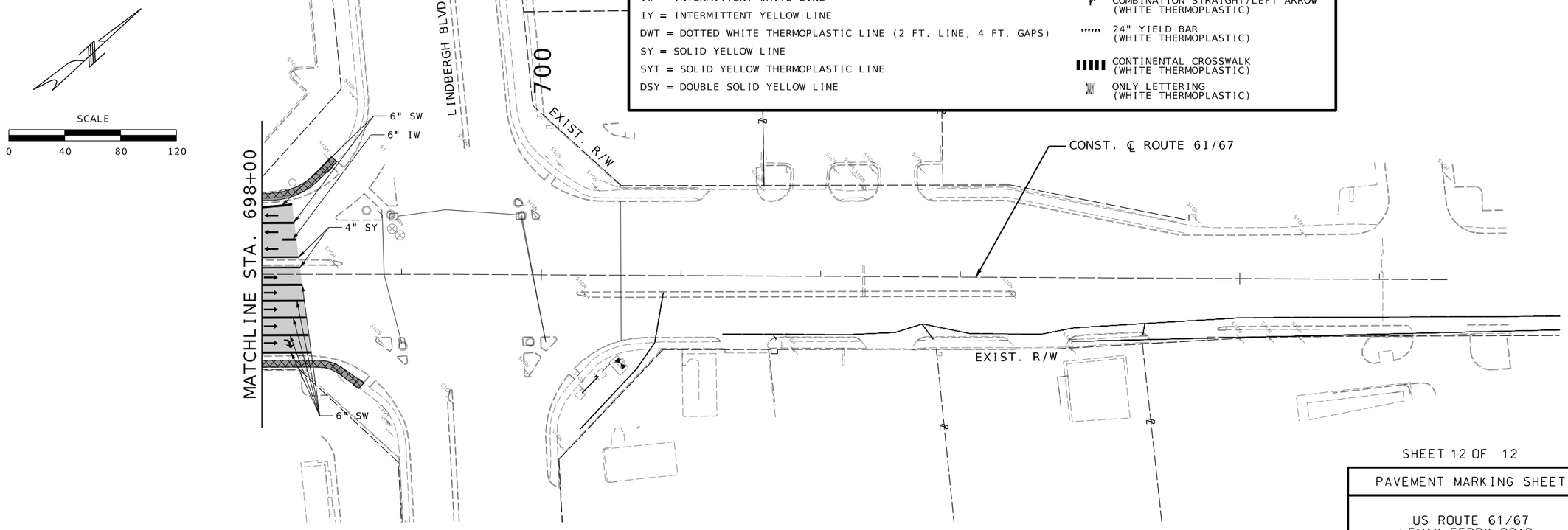
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STRIPING KEY

SW = SOLID WHITE LINE
SWT = SOLID WHITE THERMOPLASTIC LINE
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IY = INTERMITTENT YELLOW LINE
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COMBINATION STRAIGHT/RIGHT ARROW
COMBINATION STRAIGHT/LEFT ARROW
(WHITE THERMOPLASTIC)
24" YIELD BAR (WHITE THERMOPLASTIC)
CONTINENTAL CROSSWALK (WHITE THERMOPLASTIC)
ONLY LETTERING (WHITE THERMOPLASTIC)



SHEET 12 OF 12

PAVEMENT MARKING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

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STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	243

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

DATE	DESCRIPTION	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)

GBA
16305 SWINGLEY RIDGE RD
ST, 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

SIGNS						CONCRETE FOOTINGS EMBEDDED	STRUCTURAL STEEL POSTS*						PIPE POSTS*					BACKING BARS**				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE													EFFECTIVE: 07-01-2024
902 SIGNAL SIGNS TABULATED ON D-37A SHEET																						2-INCH POST						2.5-INCH POST						BREAK-AWAY	
																									ANCHORS						ANCHORS			
SIGN NO.	SIGN SIZE	STATION OR LOG MILE	HORIZ CLEAR IF NOT STD	LOCATION	SIGN DTL SHT NO.	ITEM NO. 9031010	POST DES NO.	POST NO. 1	POST NO. 2	POST NO. 3	LBS PER FT	TOTAL ITEM NO. 9031210	PIPE SIZE	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL ITEM NO. 9031220	2" X 3/8" BARS AT 2.55 LBS/FT NO.	LGTH	TOTAL	TOTAL	ITEM NO. 9031250A	POST NO. 1	POST NO. 2	TOTAL ITEM NO. 9031270A	DRIVEN 12 GA. ITEM NO. 9031271A	DRIVEN 7 GA. ITEM NO. 9031273A	CONCRETE 7 GA. ITEM NO. 9031274	POST NO. 1	POST NO. 2	TOTAL ITEM NO. 9031280	2.25" INSERT (6 FT) ITEM NO. 9031272A	DRIVEN 7 GA. ITEM NO. 9031281A	CONCRETE 7 GA. ITEM NO. 9031285	ITEM NO. 9031241	REMARKS AND OTHER REQUIRED ITEMS
						CY		LF	LF	LF		LBS	IN	LF	LF		LBS	EACH	IN.	LF	LBS	LF	LF	LF	EACH	EACH	EACH	EACH	LF	LF	LF	EACH	EACH	EACH	EACH	
1	ASSY.	509+32		RTE 61/67																								12.00		12.00		1			
2	ASSY.	509+22		RTE 61/67																								12.00		12.00		1			
3	ASSY.	510+76		RTE 61/67																								12.00		12.00		1			
4	ASSY.	510+81		RTE 61/67																								12.00		12.00		1			
5	ASSY.	593+56		RTE 61/67																								12.00		12.00		1			
6	ASSY.	593+52		RTE 61/67																								12.00		12.00		1			
7	ASSY.	594+65		RTE 61/67																								12.00		12.00		1			
8	ASSY.	663+94		RTE 61/67																								12.00		12.00			1		
9	ASSY.	665+14		RTE 61/67																								12.00		12.00		1			
10	ASSY.	674+22		RTE 61/67																								12.00		12.00	1		1	1	
11	ASSY.	674+26		RTE 61/67																								12.00		12.00			1		
12	ASSY.	675+27		RTE 61/67																								12.00		12.00		1			
13	ASSY.	689+40		RTE 61/67																								12.00		12.00		1			
14	ASSY.	690+79		RTE 61/67																								12.00		12.00		1			
				SUBTOTAL																										168	1	11	3	1		
				TOTAL																	**									168	1	11	3	1		

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

ROUND PIPE POST AND FOOTING DATA TABLE

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

STRUCTURAL STEEL POST AND FOOTING DATA TABLE

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

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2010041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED 07/25/2025
ROUTE 61/67 | STATE MO
DISTRICT SL | SHEET NO. 244
COUNTY ST. LOUIS
JOB NO. J6S3578
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)

GBA
16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

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

SHEET 1 OF 2

SIGNING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD
SIGNING QUANTITIES

D-29

KENDRA MILLER
PROFESSIONAL ENGINEER
PE-2014041301

REV.

c:\bms\gba-pw-01\regan hutchinson\dms13774\244_SN_01_J6S3578.dgn 07/25/2025

STANDARD SIGN ASSEMBLIES

SIGN NO.	STATION OR LOG MILE	LOCATION	SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH																				
			SHF	SHF	SHF	SH	SH																
			 W11-2 36"X36	 W16-17P (LEFT) 30"X18"	 W16-17P (RIGHT) 30"X18"	 R5-1 42"X30"	 R5-1a 36"X36															
1	509+32	RTE 61/67	1	1																			
2	509+22	RTE 61/67	1	1																			
3	510+76	RTE 61/67	1	1																			
4	510+81	RTE 61/67	1	1																			
5	593+56	RTE 61/67	1	1																			
6	593+52	RTE 61/67	1	1																			
7	594+65	RTE 61/67	1	1																			
8	663+94	RTE 61/67	1		1																		
9	665+14	RTE 61/67	1	1																			
10	674+22	RTE 61/67				1	1																
11	674+26	RTE 61/67	1	1																			
12	675+27	RTE 61/67	1		1																		
13	689+40	RTE 61/67	1	1																			
14	690+79	RTE 61/67	1	1																			
		TOTALS	13	11	2	1	1																

SIGN SUMMARY

EFFECTIVE: 10-01-2016

STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	TYPE & SQUARE FEET			
				FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A
W11-2	STD	13	36"X36"		117.00		
W16-7P (LEFT)	STD	11	30"X18"		41.25		
W16-7P (RIGHT)	STD	2	30"X18"		7.50		
R5-1	STD	1	42"X30"	8.75			
R5-1a	STD	1	36"X36"	9.00			
TOTALS		18			166		

*ORANGE, YELLOW AND YELLOW-GREEN

SHEET 2 OF 2

SIGNING SHEET

US ROUTE 61/67
LEMAY FERRY ROAD
SIGNING QUANTITIES

D-30

STATE OF MISSOURI
KENDRA MILLER
NUMBER PE-2014041301
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY.

DATE PREPARED
07/25/2025

ROUTE	STATE
61/67	MO

DISTRICT	SHEET NO.
SL	245

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.
.

PROJECT NO.
.

BRIDGE NO.
.

REV.	DESCRIPTION	DATE
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GBA
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CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

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SCALE

0 20 40 60

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EXIST. STORM GRATE INLET (UIP)
32K1-229D
RIM=431.79
FL(NE) 427.99
FL(SW) 427.89

EXIST. STORM INLET
(UIP)
RIM=434.09
FL (W) 429.2
FL (NW) 429.24
FL (SE) 429.1

EXIST. STORM INLET (UIP)
RIM=434.41
FL (NE) 430.4

EXIST. MANHOLE
(UIP)
T = 432.59
FL (NW) 428.1
FL (NE) 427.1
FL (SW) 428.0

EXIST. STORM INLET (UIP)
RIM=434.39
FL (SW) 430.40

EXIST. STORM CATCH INLET (UIP)
RIM=435.54
FL(NE) 435.24
FL(SW) 435.04

EXIST. 15" CMP (UIP)
FL 436.95

EXIST. 18" CMP (UIP)
FL 435.35

EXIST. 15" CMP (UIP)
FL 438.37

EXIST. ROW

520

12" PVC (UIP)
30" RCP (UIP)
30" RCP (UIP)
30" RCP (UIP)
30" RCP (UIP)
18" CMP (UIP)
15" CMP (UIP)

12" CMP (R)
12" CMP (R)

EXIST. ROW
LINEAR GRADING CLASS 1
EXIST. 12" CMP (R)
FL (NE) 433.37
PROP. 12" CMP
FL 433.37
EXIST. 12" CMP (R)
FL (SW) 434.05
PROP. 12" CMP
FL 434.11
LINEAR GRADING CLASS 1
EXIST. 12" CMP (R)
FL (SW) 434.68
PROP. 12" CMP
FL (SW) 434.68
PROP. 12" CMP
FL (SW) 435.93
EXIST. 12" CMP
(R)
FL (SW) 435.82

PROJECT DISTURBANCE = 1.752 ACRES
PROJECT RUNOFF DIFFERENTIAL = 1.10 CFS

ANY FUTURE LAND DISTURBANCE AND/OR INCREASE IN IMPERVIOUS AREA ON THIS SITE MAY REQUIRE ADDITIONAL STORMWATER MANAGEMENT PER MSD REGULATIONS IN PLACE AT THAT TIME (INCLUDING TOTAL LAND DISTURBANCE AND/OR IMPERVIOUS ADDED ON THIS PLAN).

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PROPOSED RIGHT-OF-WAY (NEW ROW)
- PERMANENT EASEMENT (PERM. ESM'T.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- PROPOSED EPOXY URETHANE POLYMER OVERLAY
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED ROCK DITCH LINER

SHEET 1 OF 3

DRAINAGE PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
PATRICK A. MCCLUSKEY
NUMBER PE-2014015034
PROFESSIONAL ENGINEER

7/29/2025

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	246

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

gonzalez

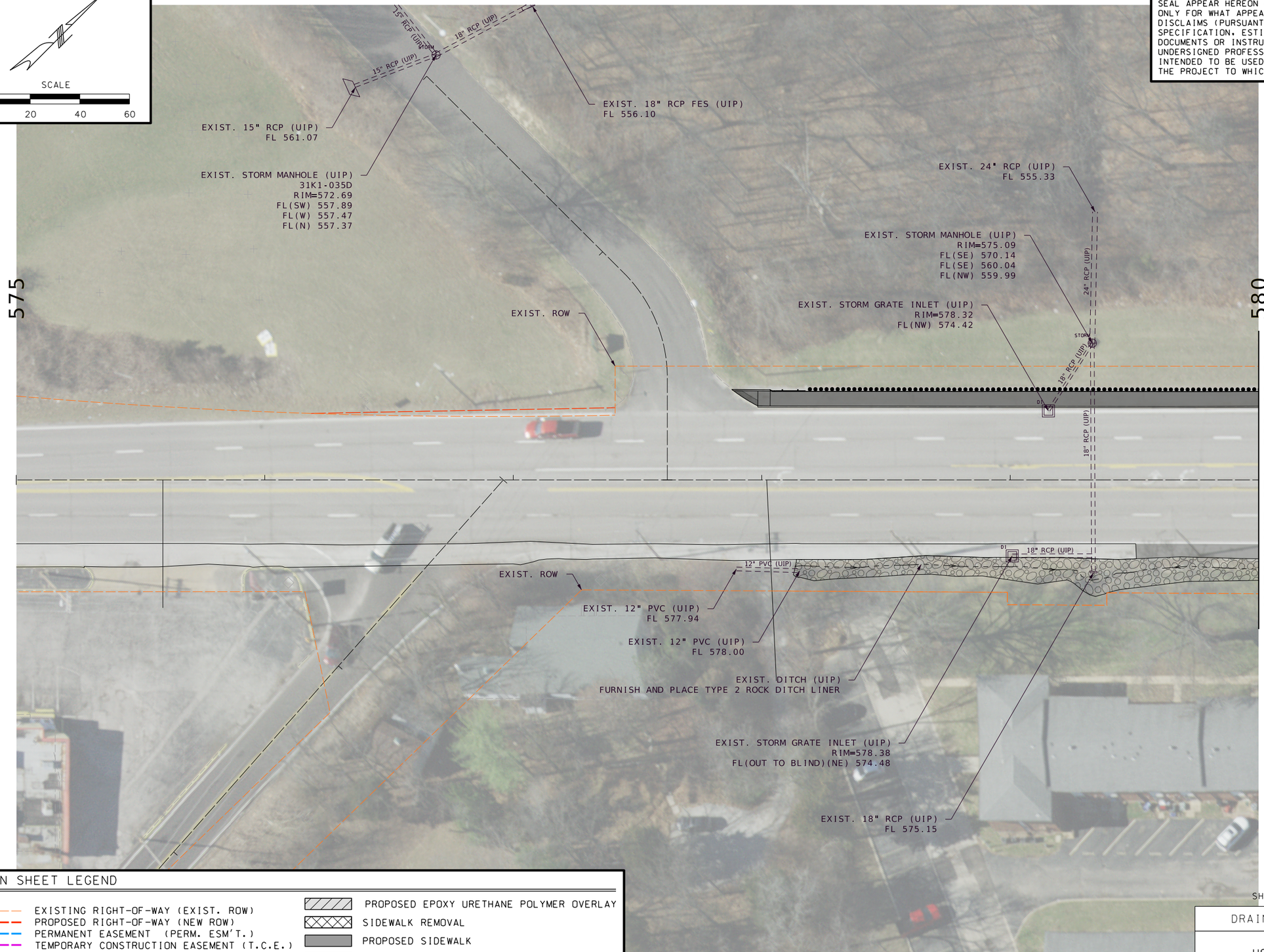
GONZALEZ COMPANIES, LLC
PRO. ENGINEER 2005038353
1750 S. BRENTWOOD BLVD
SUITE 700
ST. LOUIS, MO 63144
314-961-1888

$FILE$ $TIME$ 7/28/2025

SCALE

0 20 40 60

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- PERMANENT EASEMENT (PERM. ESM'T.)
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- PROPOSED EPOXY URETHANE POLYMER OVERLAY
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED ROCK DITCH LINER

SHEET 2 OF 3

DRAINAGE PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

STATE OF MISSOURI
PATRICK A. MCCLUSKEY
NUMBER PE-2014015034
PROFESSIONAL ENGINEER

7/29/2025

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	247

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

gonzalez

GONZALEZ COMPANIES, LLC

PRO. ENGINEER 2005038353

1750 S. BRENTWOOD BLVD
SUITE 700
ST. LOUIS, MO 63144

314-961-1888

$FILE$ $TIME$ 7/28/2025

SCALE

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580

585

STA. 580+00.00

MATCHLINE STA

EXIST. ROW

EXIST. DITCH (UIP)
FURNISH AND PLACE
TYPE 2 ROCK DITCH LINER

EXIST. ROW

EXIST. HEAD WALL (R&R)
EXIST. CULVERT (UIP)
CULVERT CLEANOUT
EXIST. STORM GRATE INLET (UIP)
31K1-092D
RIM=583.44
FLUSH OUT
Q EXIST. = 1.50 CFS
Q PROP. = 1.60 CFS

EXIST. 12" RCP
(ABANDON)

EXIST. CULVERT
(ABANDON)

EXIST. BROKEN HEAD WALL (R)

PROP. T.C.E.

EXIST. STORM GRATE INLET (ABANDON)
31K1-091D
RIM=582.09
FL(NE) 579.20
Q EXIST. = 0.08 CFS
Q PROP. = 0 CFS

EXIST. STORM GRATE INLET (UIP)
31K1-090D
RIM=583.80
FL(SW) 579.20
FL(NE) 579.15
Q EXIST. 0.41 CFS
Q PROP. = 0.33 CFS

EXIST. STORM GRATE INLET (UIP)
31K1-089D
RIM=583.81
FL(SW) 578.36
FL(NE) 578.31

D1 D1 D1 12" RCP (UIP) D1 12" RCP (UIP) D1

EXIST. STORM GRATE INLET (UIP)
31K1-088D
RIM=584.03
FL(SW) 577.63
FL(NE) 577.53

PLAN SHEET LEGEND

- EXISTING RIGHT-OF-WAY (EXIST. ROW)
- PROPOSED RIGHT-OF-WAY (NEW ROW)
- PERMANENT EASEMENT (PERM. ESM'T.)
- TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)
- CONSTRUCTION LIMITS (SL)
- PROPOSED EPOXY URETHANE POLYMER OVERLAY
- SIDEWALK REMOVAL
- PROPOSED SIDEWALK
- PROPOSED MILL/OVERLAY
- PROPOSED ROCK DITCH LINER

STATE OF MISSOURI
PATRICK A. MCCLUSKEY
NUMBER PE-2014015034
PROFESSIONAL ENGINEER

7/29/2025

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	248

COUNTY
ST. LOUIS

JOB NO.
J6S3578

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)

gonzalez

GONZALEZ COMPANIES, LLC

PRO. ENGINEER 2005038353

1750 S. BRENTWOOD BLVD
SUITE 700
ST. LOUIS, MO 63144

314-961-1888

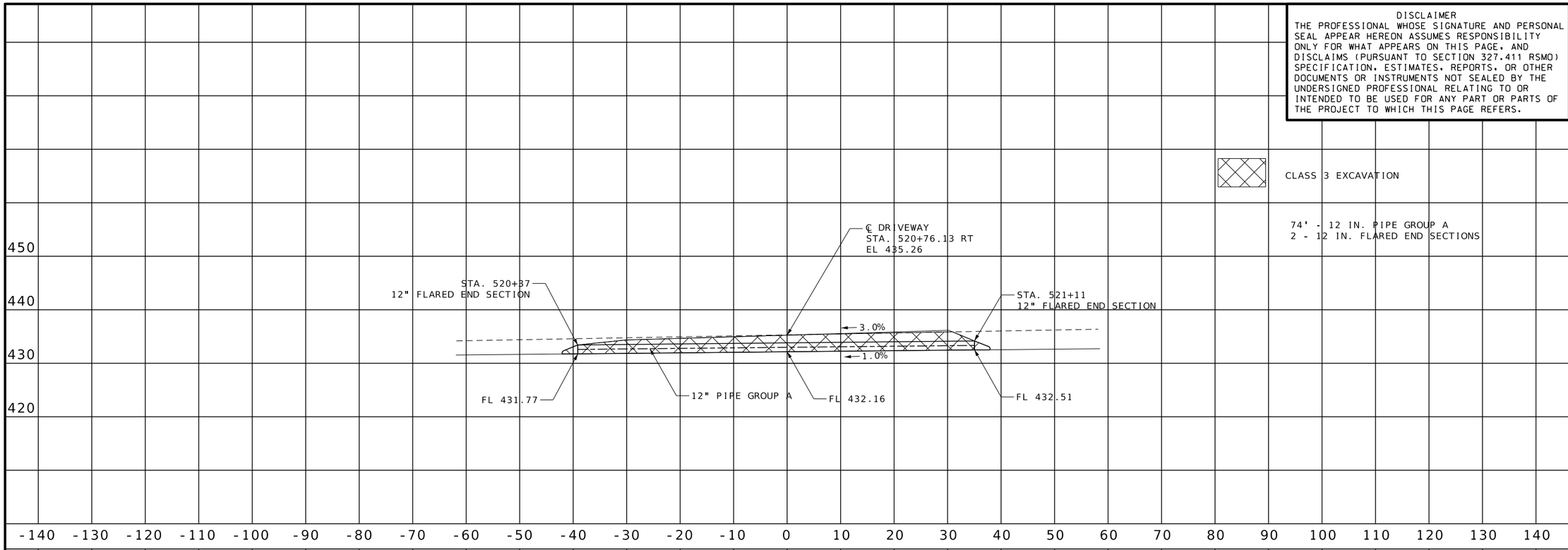
SHEET 3 OF 3

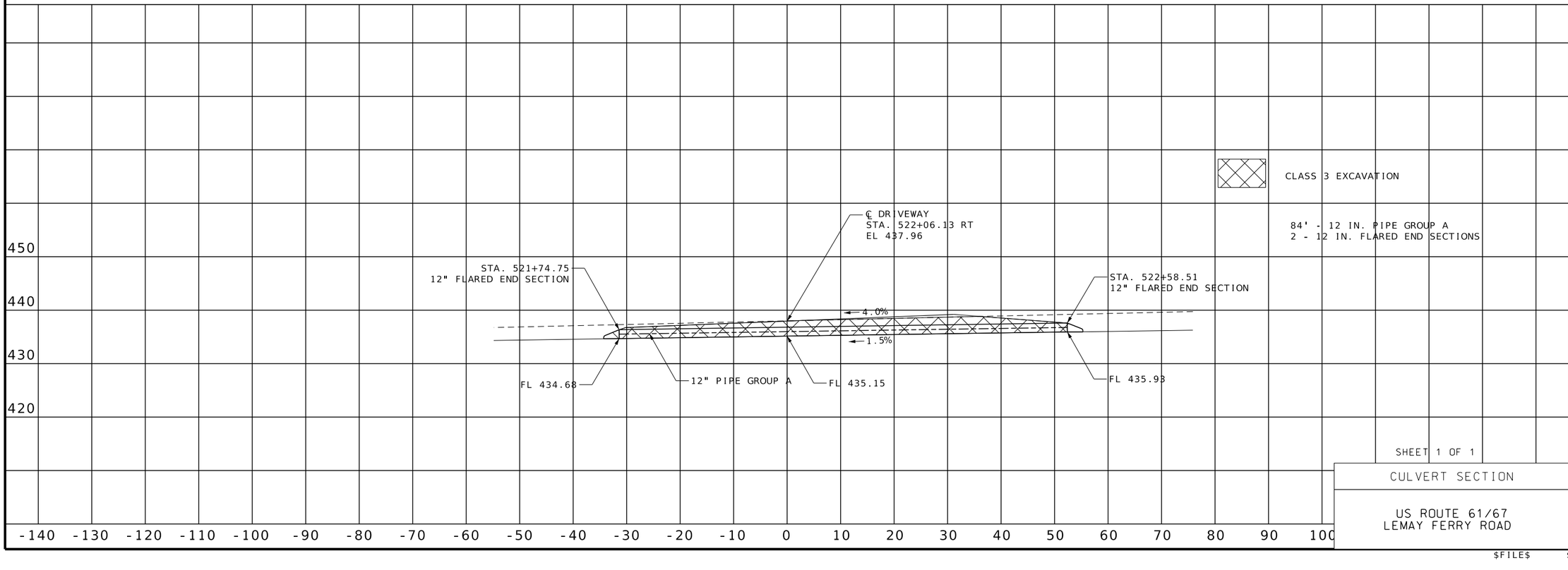
DRAINAGE PLAN SHEET

US ROUTE 61/67
LEMAY FERRY ROAD

$FILE$ $TIME$ 7/28/2025

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SHEET 1 OF 1

CULVERT SECTION

US ROUTE 61/67
LEMAY FERRY ROAD

$FILE$ $TIME$ 7/28/2025

PATRICK A. MCCLUSKEY
NUMBER PE-2014015034
PROFESSIONAL ENGINEER
STATE OF MISSOURI

7/29/2025

DATE PREPARED
7/28/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
SL	249

COUNTY
ST. LOUIS

JOB NO.
J6S3578

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

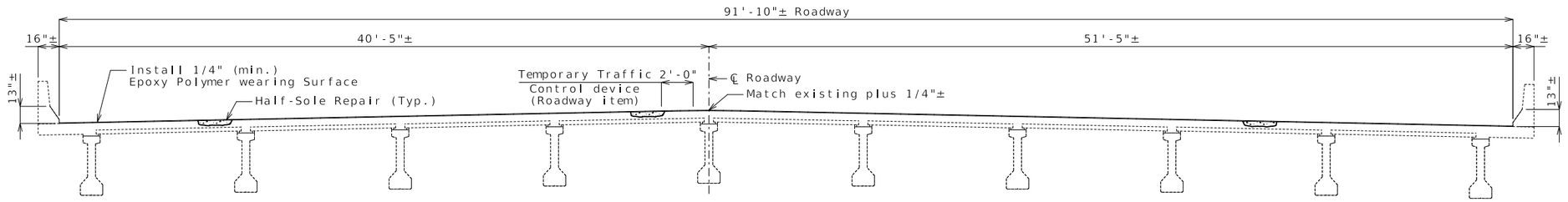
DESCRIPTION	DATE

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

gonzalez
GONZALEZ COMPANIES, LLC
PRO. ENGINEER 2005038353
1750 S. BRENTWOOD BLVD
SUITE 700
ST. LOUIS, MO 63144
314-961-1888

SEC/SUR 4 TWP 43N RGE 6E

U.I.P. AND REHABILITATE EXISTING (67') PRESTRESSED CONCRETE I-GIRDER SPAN WITH SEMI-DEEP ABUTMENTS



TYPICAL SECTION THRU EXISTING DECK

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications
Bridge Deck Rating = 7

Design Loading:

HS20 Modified (Existing and New Construction)

Design Unit Stresses:

Class B-2 Concrete (Half-Sole Repair) f'c = 4,000 psi

Concrete Protective Coatings:

Protective coating for concrete bents and piers (Urethane) shall be applied as shown on the bridge plans and in accordance with Sec 711. Color shall be gray.

Miscellaneous:

Roadway surfacing adjacent to bridge ends shall match existing bridge approach slabs (roadway item).

All concrete repairs shall be in accordance with Sec 704, unless otherwise noted.

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Polymer and aggregate shall be applied to bridge deck, semi-deep slabs and 16" up along roadway face of barrier (13"± vertical height). Aggregate shall be light colored.

The contractor shall exercise care to ensure spillage over joint edges is prevented and that a neat line is obtained along any terminating edge of the wearing surface.

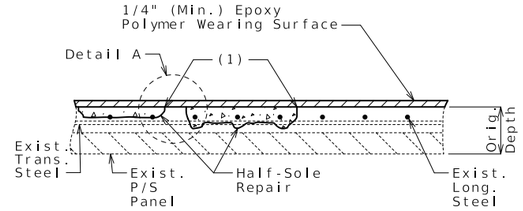
Traffic Handling:

Traffic to be maintained on structure during construction.
See roadway plans for traffic control.

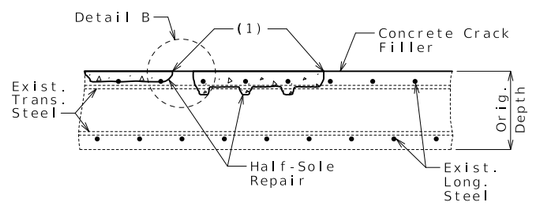
Estimated Quantities		
Item		Total
Removal of Existing Expansion Joint Seal or Sealant	linear foot	184
* Epoxy Polymer Wearing Surface	sq. yard	1,230
Half-Sole Repair	sq. foot	200
** Concrete Crack Filler	sq. yard	408
Protective Coating - Concrete Bents and Piers (Urethane)	lump sum	1
Cleaning and Coating Existing Bearings	each	20
Open Cell Foam Joint Seal	linear foot	184

* Includes area of bridge deck and semi-deep abutment slabs.

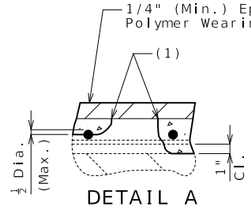
** Includes area of bridge approach slabs.



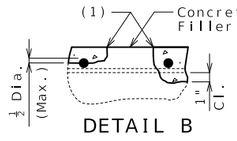
HALF-SOLE REPAIR
(Bridge Deck)



HALF-SOLE REPAIR
(Approach Slab)



DETAIL A



DETAIL B

(1) 1" vertical side shall be established outside the deteriorated area.

Clearance around top bar and around bottom bar at the intersection of top bar shall be required when more than half the diameter of the top bar is exposed.

REPAIRS TO BRIDGE: ROUTE 61/67 OVER MATTESE CREEK

ROUTE 61/67 FROM ROUTE I-255 TO ROUTE 141
ABOUT 1.0 MILE SOUTHWEST OF ROUTE I-255
BEGINNING STATION 285+37.00± (Match Existing)

Detailed Feb. 2025
Checked May 2025

Note: This drawing is not to scale. Follow dimensions.

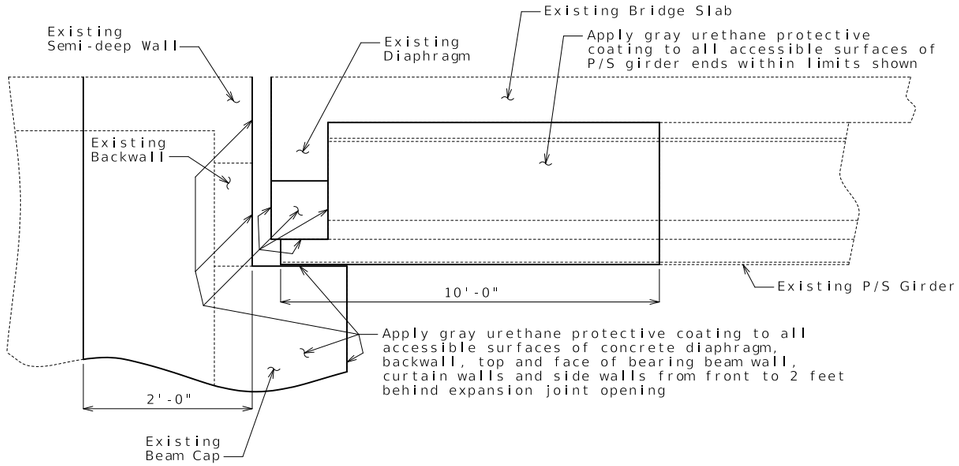
STATE OF MISSOURI
TYLER R. LINDSAY
NUMBER PE-2019000128
PROFESSIONAL ENGINEER
07/02/2025 1:30:48 PM
TYLER R. LINDSAY - CIVIL
MO-PE-2019000128

DATE PREPARED
7/2/2025

ROUTE 61/67 | STATE MO
DISTRICT BR | SHEET NO. 1
COUNTY ST. LOUIS
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO. A53521

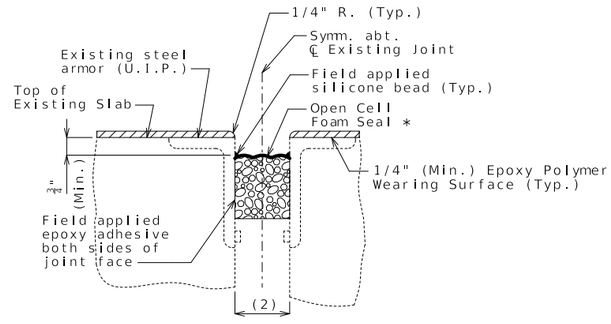
DESCRIPTION | DATE

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



TYPICAL PART ELEVATION AT END BENTS NO. 1 & 2 SHOWING PROTECTIVE COATING

(Epoxy Polymer wearing Surface not shown for clarity)



SECTION THRU JOINT AT END BENTS NO. 1 & 2

* Manufacturer's recommended size

Extend seal 3" past edges of slab.

Notes:

Open cell foam joint seal size (width and depth) shall be determined by the manufacturer. Manufacturer recommended seal size shall meet the movement and installation gap requirements and skew effect.

The open cell foam joint seal shall be installed according to the manufacturer's recommendations.

The installation temperature shall be taken as the actual air temperature averaged over the 24-hour period immediately preceding installation.

(2) Allowed installation gap (±) normal to joint at roadway surface (see table)

Movement Parallel to Rdwy	Movement Normal to Joint	Min. Jt. Width (Normal to Joint)	Max. Jt. Width (Normal to Joint)	(2) Allowed Installation Gap (±) Normal to Joint at Roadway Surface at Air/Surface Temperature				Manufacturer	Seal Name
				@ 40°F	@ 50°F	@ 60°F	@ 70°F		
0.91"	0.91"	2.14"	3.04"	$2\frac{5}{8}$"	$2\frac{9}{16}$"	$2\frac{1}{2}$"	$2\frac{7}{16}$"		

MoDOT construction personnel will record the manufacturer and seal name that was used.

STATE OF MISSOURI
TYLER R. LINDSAY
NUMBER PE-2019000128
PROFESSIONAL ENGINEER
07/02/2025 1:31:16 PM
TYLER R. LINDSAY - CIVIL
MO-PE-2019000128

DATE PREPARED: 7/2/2025

ROUTE	STATE
61/67	MO
DISTRICT	SHEET NO.
BR	2

COUNTY: ST. LOUIS

JOB NO.: J6S3578

CONTRACT ID.:

PROJECT NO.:

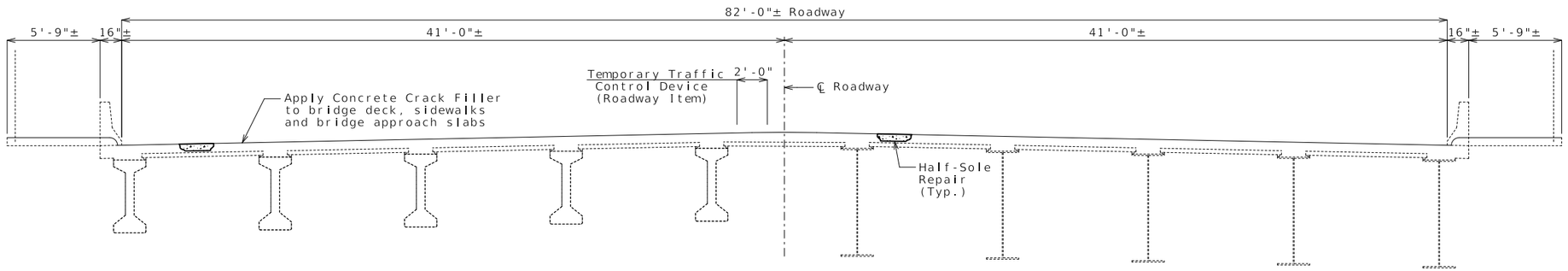
BRIDGE NO.: A53521

DESCRIPTION	DATE

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

SEC/SUR 16 TWP 43N RGE 6E

U.I.P. & REHABILITATE EXISTING (68'-68'-68') PRESTRESSED CONCRETE I-GIRDER SPANS, (135'-170'-135') CONTINUOUS COMPOSITE PLATE GIRDER SPANS, & (68'-68'-68') PRESTRESSED CONCRETE I-GIRDER SPANS (SKEW: 20° R.A.)



PRESTRESSED CONCRETE I-GIRDERS PLATE GIRDERS

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications
Bridge Deck Rating = 7

Design Loading:

HS20 Modified (Existing and New Construction)

Design Unit Stresses:

Class B-2 Concrete (Half-Sole Repair) f'c = 4,000 psi

Concrete Protective Coatings:

Protective coating for concrete bents and piers (Urethane) shall be applied as shown on the bridge plans and in accordance with Sec 711. Color shall be gray.

Structural Steel Protective Coatings:

Protective Coating: System G in accordance with Sec 1081.

Field Coat(s): The color of the field overcoat shall be Gray (Federal Standard #26373) and shall be applied in accordance with Sec. 1081.10.3.4. The cost of the intermediate field coat will be considered completely covered by the contract unit price per sq. foot for Intermediate Field Coat (System G). The cost of the finish field coat will be considered completely covered by the contract unit price per sq. foot for Finish Field Coat (System G).

*** The recoating area shall be as indicated below:

All structural steel including bearings 10 feet from end of girder at expansion joints near Int. Bents No. 4 & 7.

Miscellaneous:

Roadway surfacing adjacent to bridge ends shall match existing bridge approach slabs (roadway item).

All concrete repairs shall be in accordance with Sec 704, unless otherwise noted.

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for traffic control.

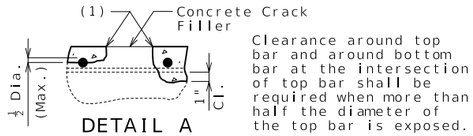
Estimated Quantities

	Item		Total
*	Half-Sole Repair	sq. foot	500
**	Concrete Crack Filler	sq. yard	9306
	Protective Coating - Concrete Bents and Piers (Urethane)	lump sum	1
	Surface Preparation for Overcoating Structural Steel (System G)	sq. foot	3500
	Intermediate Field Coat (System G)	sq. foot	3500
	Finish Field Coat (System G)	sq. foot	3500

* Existing areas of deck patching shall be sounded and included in the area of half-sole repair at discretion of the Engineer.

** Includes area of bridge deck, sidewalks and bridge approach slabs.

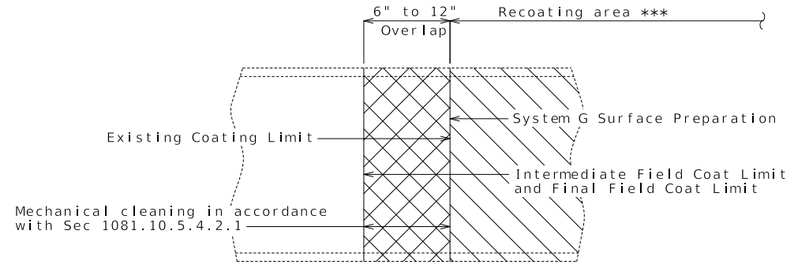
TYPICAL SECTION THRU EXISTING DECK



DETAIL A

Clearance around top bar and around bottom bar at the intersection of top bar shall be required when more than half the diameter of the top bar is exposed.

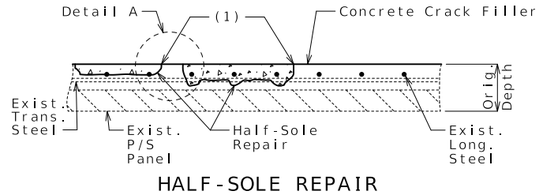
(1) 1" vertical side shall be established outside the deteriorated area.



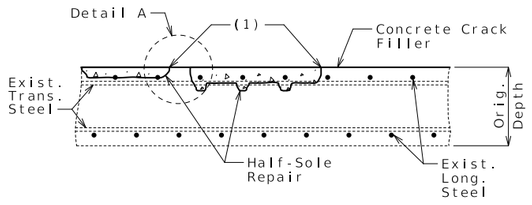
PART ELEVATION SHOWING LIMITS OF PAINT OVERLAP

(Vertical or horizontal paint limit. Horizontal limit shown)

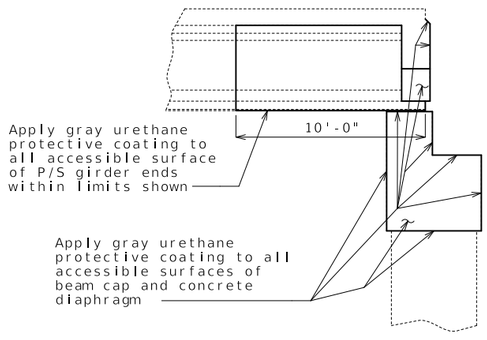
Limits of Paint Overlap: System G shall overlap the existing coating between 6 inches and 12 inches in order to achieve maximum coverage at the paint limit of each complete system near the expansion and contraction areas. The final field coating shall be masked to provide crisp, straight lines and to prevent overspray beyond the overlap required.



HALF-SOLE REPAIR
(Bridge Deck)



HALF-SOLE REPAIR
(Approach Slab)



TYPICAL PART ELEVATION AT INT. BENTS NO. 4 & 7 SHOWING PROTECTIVE COATING

(Plate girders not shown for clarity)

REPAIRS TO BRIDGE: ROUTE 61/67 OVER MERAMEC RIVER

ROUTE 61/67 FROM ROUTE 141 TO ROUTE I-255
ABOUT 1.2 MILES NORTH OF ROUTE 141
BEGINNING STATION 437+30.00± (Match Existing)

Detailed Feb. 2025
Checked May 2025

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
TYLER R. LINDSAY
NUMBER PE-2019000128
PROFESSIONAL ENGINEER
07/02/2025 1:31:56 PM
TYLER R. LINDSAY - CIVIL
MO-PE-2019000128

DATE PREPARED 7/2/2025
ROUTE 61/67 | STATE MO
DISTRICT BR | SHEET NO. 1
COUNTY ST. LOUIS / JEFFERSON
JOB NO. J6S3578
CONTRACT ID.
PROJECT NO.
BRIDGE NO. A64741

DESCRIPTION | DATE

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