

A.A.D.T. - VARIOUS
FUNCTIONAL CLASSIFICATIONS:
INTERSTATE AND FREEWAY

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
ANDREW AND
BUCHANAN COUNTIES



KEY MAP
LOCATION OF ANDREW AND
BUCHANAN COUNTIES

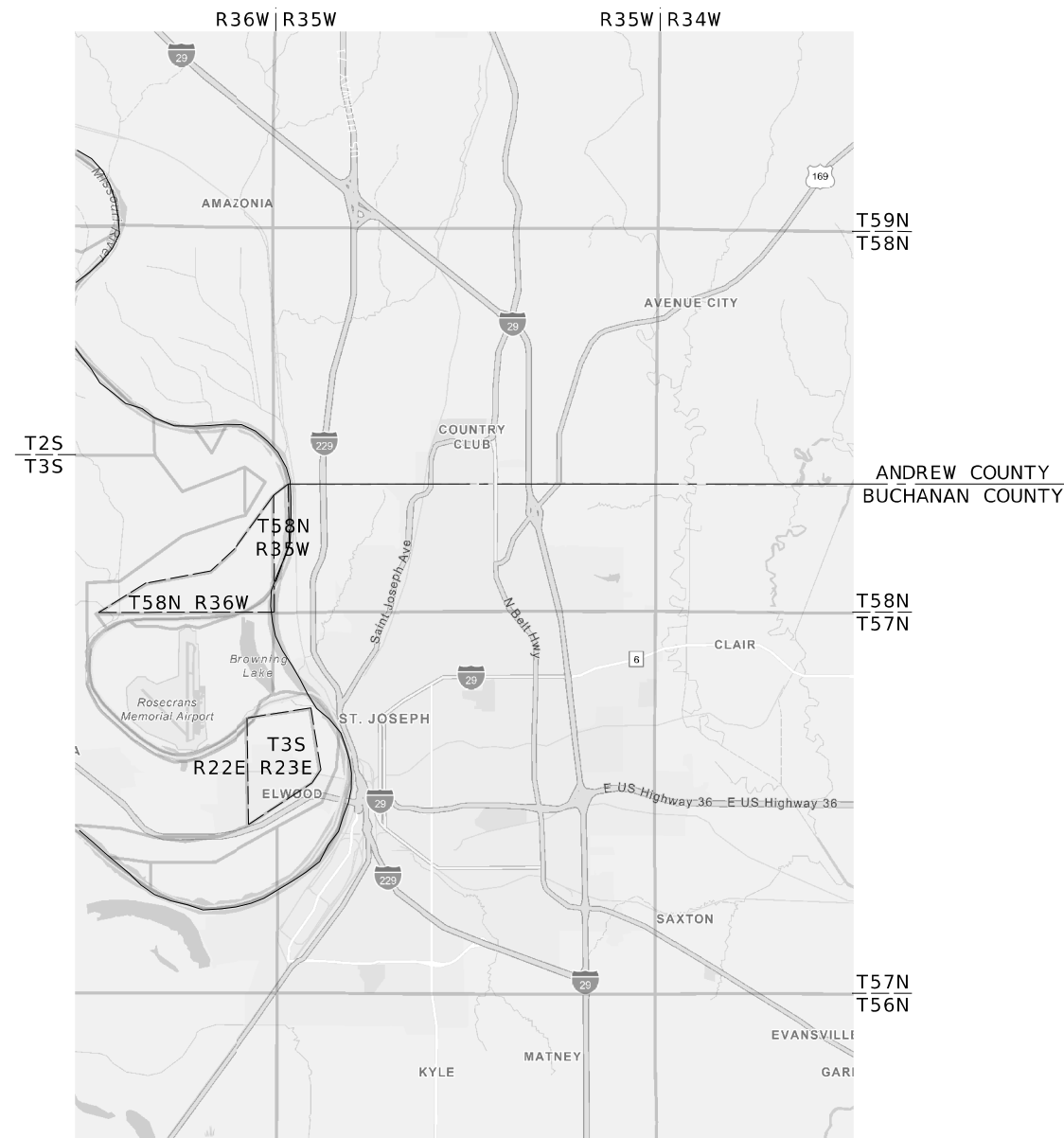


NOT TO SCALE

(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		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE
EXISTING FEATURES



REPAIR/MAINTENANCE OF VARIOUS OVERHEAD SIGN TRUSS STRUCTURES, INCLUDING
STRUCTURAL SIGN REPLACEMENTS, ON I-29, I-229, AND US 36 IN BUCHANAN AND
ANDREW COUNTIES.

DESCRIPTION	SHEET NUMBER
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TITLE SHEET -----	1
QUANTITIES (QU) (5 SHEETS)-----	3
PLAN SHEETS (PP)-----	4-77
TRAFFIC CONTROL SHEETS (TC)-----	78-84
SIGNING (SN)-----	85-118
STRUCTURAL REPAIR SHEETS (5 SHEETS)	119-123



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 1

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

BEGINNING OF PROJECT	VARIOUS
END OF PROJECT	VARIOUS

SEE TRAFFIC CONTROL SETUPS LISTS FOR LOCATIONS



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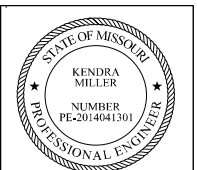
GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

REMOVAL OF IMPROVEMENTS																
LOCATION NUMBER	COUNTY	ROUTE	LOG MILE	SIGN a SIZE	SIGN a SF	SIGN b SIZE	SIGN b SF	SIGN c SIZE	SIGN c SF	SIGN d SIZE	SIGN d SF	SIGN e SIZE	SIGN e SF	SIGN f SIZE	SIGN f SF	SIGN SF
1	BUCHANAN	NB I - 29	47.499	18x10	180	13x12	156									336
2	BUCHANAN	NB I - 29	48.244	8x2	16	16x14	224									240
3	BUCHANAN	NB I - 29	49.483	12x2	24	16x14	224									248
4	BUCHANAN	NB I - 29	50.444	8x8	64	9x2	18	13x9	117	10x2	20	15x8	120			339
5	BUCHANAN	NB I - 29	50.738	10x2.5	25	16x8	128									153
6	BUCHANAN	NB I - 29	51.399	8x2	16	18x11	198									214
7	BUCHANAN	NB I - 29	52.593	11.5x2	23											23
8	ANDREW	NB I - 29	58.057	8x2	16	15x13	195									211
9	ANDREW	NB I - 29	60.398	12x2	24	16x14	224									248
10	ANDREW	NB I - 29	61.365	11x8	88	9x2	18	13x10	130	9x2	18	16x8	128			382
11	ANDREW	NB I - 29	61.708	9x2	18	13x9	117									135
12	ANDREW	NB I - 29	62.489	18x6	108											108
13	ANDREW	SB I - 29	67.025	14x10	140	9x2	18	16x10	160	9x2	18	13x11	143			479
14	ANDREW	SB I - 29	67.460	16X8	128											128
15	BUCHANAN	SB I - 29	75.199	8x2	16	22x14	308									324
16	BUCHANAN	SB I - 29	75.771	11.5x2	23											23
17	BUCHANAN	SB I - 29	76.840	12x2	24	16x14	224									248
18	BUCHANAN	SB I - 29	77.811	8x8	64	10x2	20	11x9	99	9x2	18	16x8	128			329
19	BUCHANAN	SB I - 29	78.109	10x2	20	15x8	120									140
20	BUCHANAN	SB I - 29	80.717	16x8	128	13x9	117									245
21	BUCHANAN	SB I - 29	80.925	11.5x2	23											23
22	BUCHANAN	WB US 36	188.591	7x8	56	16x9	144	20X8	160							360
23	BUCHANAN	WB US 36	188.793	18x8	144											144
24	BUCHANAN	WB US 36	188.793	11.5x2	23											23
25	BUCHANAN	WB US 36	190.090	11.5x2	23											23
26	BUCHANAN	WB US 36	191.232	11.5x2	23											23
27	BUCHANAN	WB US 36	191.702	14x10	140											140
28	BUCHANAN	WB US 36	192.200	13x12	156	8x9	72									228
29	BUCHANAN	WB US 36	192.290	15x10	150	16x10	160	13x12	156							466
30	BUCHANAN	WB US 36	192.334	14x12	168											168
31	BUCHANAN	WB US 36	192.393	10x9	90	16x9	144	14x10	140							374
32	BUCHANAN	EB US 36	0.158	8x4	32	10x8	80	16x12	192	20x12	240					544
33	BUCHANAN	EB US 36	0.257	10X6	60	16x10	160									220
34	BUCHANAN	EB US 36	0.889	10x10	100											100
35	BUCHANAN	EB US 36	1.834	10x5	50											50
36	BUCHANAN	EB US 36	2.569	11.5x2	23											23
37	BUCHANAN	EB US 36	3.578	7x8	56	17x9	153	18x8	144							353
38	BUCHANAN	EB US 36	3.840	20x8	160											160
39	BUCHANAN	EB US 36	3.840	11.5x2	23											23
40	BUCHANAN	NB I - 229	0.749	11.5x2	23											23
SUB TOTAL (1)																8021

SUMMARY OF QUANTITIES
SHEET 1 OF 5



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 3

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

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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LOCATION NUMBER	COUNTY	ROUTE	LOG MILE	SIGN a SIZE	SIGN a SF	SIGN b SIZE	SIGN b SF	SIGN c SIZE	SIGN c SF	SIGN d SIZE	SIGN d SF	SIGN e SIZE	SIGN e SF	SIGN f SIZE	SIGN f SF	SIGN SF
41	BUCHANAN	NB I - 229	1.835	7x2	14	9x8	72									86
42	BUCHANAN	NB I - 229	2.399	7x2	14	14x11	154									168
43	BUCHANAN	NB I - 229	2.571	7x2	14	14x11	154									168
44	BUCHANAN	NB I - 229	3.534	7x2	14	12x11	132									146
45	BUCHANAN	NB I - 229	3.842	7x2	14	12x10	120									134
46	BUCHANAN	NB I - 229	4.983	12x7	84	10x3	30	12x10	120							234
47	BUCHANAN	NB I - 229	5.821	9x3	27	18x10	180	9x3	27	17x7	119					353
48	BUCHANAN	NB I - 229	6.192	9x3	27	18x10	180	9x3	27	17x8	136					370
49	BUCHANAN	NB I - 229	6.681	13x8	104	3x9	27	18x8	144							275
50	BUCHANAN	NB I - 229	7.212	7x2	14	15x10	150									164
51	ANDREW	NB I - 229	14.419	9x2	18	17x10	170	9x2	18	16x10	160	9x2	18	20x8	160	544
52	ANDREW	NB I - 229	14.732	9x2	18	17x10	170	9x2	18	16x10	160					366
53	BUCHANAN	SB I - 229	8.502	9x3	27	16x8	128	12x8	96	13x3	39	13x12	156			446
54	BUCHANAN	SB I - 229	9.047	4x5	20											20
55	BUCHANAN	SB I - 229	9.145	12x10	120	15x8	120									240
56	BUCHANAN	SB I - 229	9.251	14x5	70											70
57	BUCHANAN	SB I - 229	9.456	7x6	42	13x2	26	5x2	10	11x6	66					144
58	BUCHANAN	SB I - 229	9.681	9x2.5	22.5	12x10	120	10x3	30	12x9	108					280.5
59	BUCHANAN	SB I - 229	10.108	16x8	128	10x3	30	12x9	108							266
60	BUCHANAN	SB I - 229	10.247	16x8	128	10x3	30	15x10	150							308
61	BUCHANAN	SB I - 229	11.468	7x2	14	14x11	154									168
62	BUCHANAN	SB I - 229	11.887	7x2	14	14x11	154									168
63	BUCHANAN	SB I - 229	14.166	18x10	180	16x10	160	5x8	40							380
64	BUCHANAN	SB I - 229	14.342	11.5x2	23											23
65	BUCHANAN	SB I - 229	14.631	18x8	144	16x10	160									304
66	ANDREW	SB US 59	73.344	20x10	200	13x12	156	17x8	136							492
67	ANDREW	SB US 59	73.590	20x10	200	13x12	156									356
68	BUCHANAN	NB MO 759	1.944	11x9	99	13x10	130	17x12	204							433
69	BUCHANAN	SB MO 759	0.167	14x8	112											112
70	BUCHANAN	FRANCIS ST.		11x9	99	14x7	98									197
71	BUCHANAN	CHARLES ST.	0.010	10x5	50	9x5	45									95
72	BUCHANAN	WB MO 6	208.059	11x7	77											77
73	BUCHANAN	EB MO 6	0.517	12x7	84											84
SUB TOTAL (2)																7671.5
SUB TOTAL (1) + SUB TOTAL (2)																15692.5
PAY TOTAL																1 LUMP SUM

SUMMARY OF QUANTITIES
SHEET 2 OF 5

STATE OF MISSOURI

KENDRA MILLER

NUMBER
PE-2014041301

PROFESSIONAL ENGINEER

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

DATE PREPARED
9/4/2025

ROUTE
VAR

DISTRICT
NW

STATE
MO

SHEET NO.
3

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

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

MoDOT

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MOBILIZATION

1 LUMP SUM

MISC. TIGHTEN BOLTS OR ANCHOR ROD NUTS				
PLAN SHEET	SIGN NO.	ROUTE	LOG MILE	TIGHTEN BOLTS OR ANCHOR ROD NUTS EA
17	14	SB I-29	67.460	1
31	28	WB US 36	192.200	2
32	29	WB US 36	192.290	1
35	32	EB US 36	0.158	1
36	33	EB US 36	0.257	1
63	60	SB I-229	10.247	1
PAY TOTAL				7

MISC. SIGN TRUSS REPAIR				
PLAN SHEET	SIGN NO.	ROUTE	LOG MILE	SIGN TRUSS REPAIR EA
16	13	SB I-29	67.025	1
40	37	EB US 36	3.578	1
PAY TOTAL				2

SUBSTRUCTURE REPAIR (FORMED)						
PLAN SHEET	SIGN NO.	FOOTING TYPE (LEFT)	FOOTING TYPE (RIGHT)	REPAIR AREA (SF)		TOTAL AREA (SF)
				FOOTING LEFT	FOOTING RIGHT	
7	4	OVAL	OVAL	16	32	48
8	5	N/A	OVAL	-	96	96
16	13	OVAL	OVAL	-	34	34
21	18	OVAL	OVAL	62	48	110
22	19	N/A	OVAL	-	8	8
25	22	OVAL	OVAL	45	45	90
40	37	OVAL	OVAL	4	17	21
54	51	OVAL	OVAL	4	4	8
55	52	OVAL	OVAL	4	4	8
69	66	OVAL	OVAL	48	8	56
70	67	OVAL	OVAL	4	48	52
71	68	OVAL	OVAL	4	4	8
73	70	ROUND	N/A	11	-	11
PAY TOTAL						550

MISC. REPLACE HANDHOLE COVER				
PLAN SHEET	SIGN NO.	TRAVELWAY	LOG MILE	REPLACE HANDHOLE COVER EA
52	49	NB I-229	6.681	1
PAY TOTAL				1

MISC. REPLACE CONNECTION BOLT				
PLAN SHEET	SIGN NO.	ROUTE	LOG MILE	REPLACE CONNECTION BOLT EA
22	19	SB I-29	78.109	1
26	23	WB US 36	188.793	4
54	51	NB I-229	14.419	1
PAY TOTAL				6



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SHEET NO.
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COUNTY
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

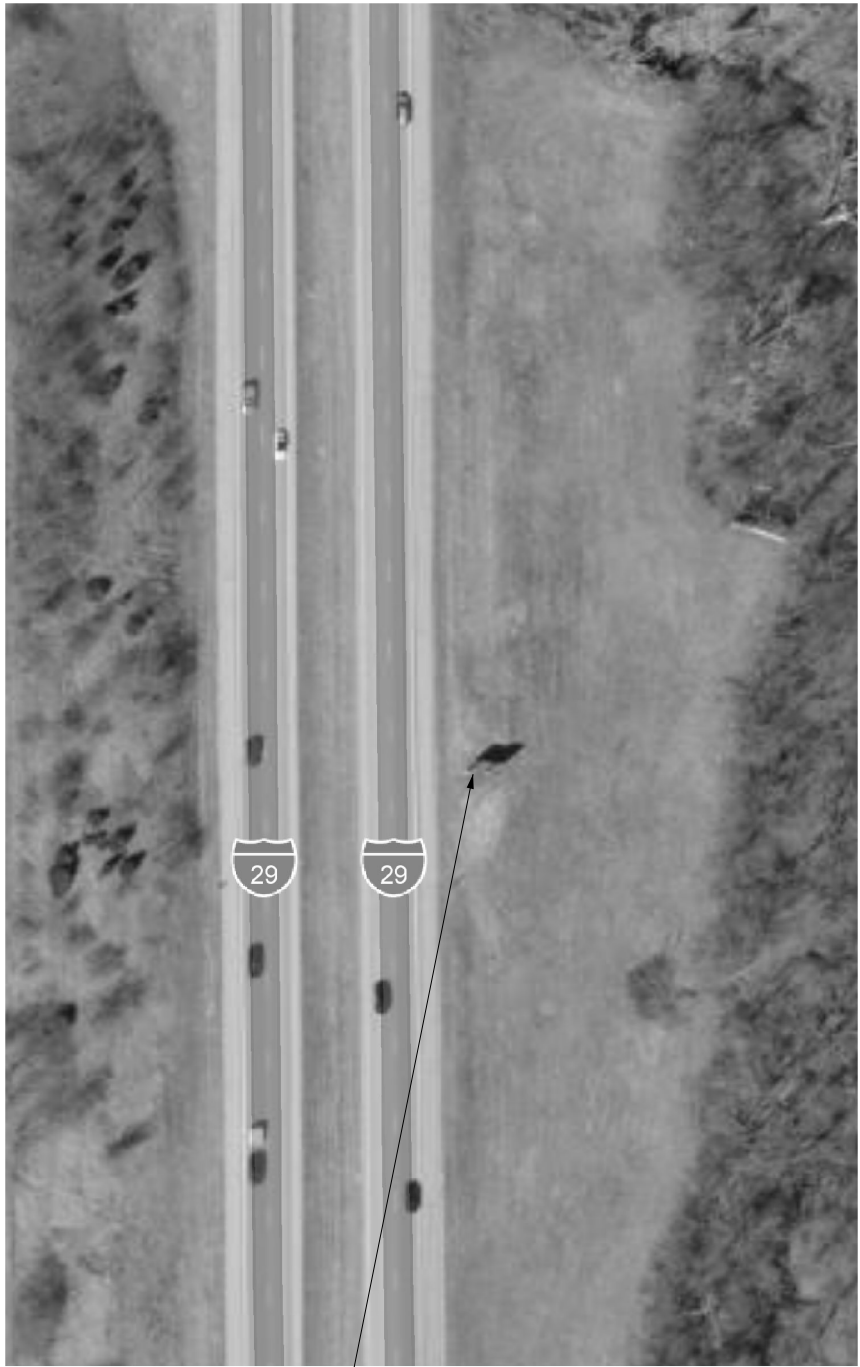
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KENDRA G. MILLER
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PE-2014041301

SUMMARY OF QUANTITIES
SHEET 4 OF 5



LOCATION NO. 02



REMOVAL OF IMPROVEMENTS

SIGN 02a: 8'x2'

REMOVAL OF IMPROVEMENTS

SIGN 02b: 16'x14'



EXISTING POSTS/STUBS/FOOTINGS TO BE UIP

NEW PROPOSED

SIGN 02a: 8'x2.5'

SIGN 02b: 15'x 14'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 02
BUCHANAN COUNTY
LOG MILE 48.244
NORTHBOUND I-29

PLAN SHEET
SHEET 2 OF 74

STATE OF MISSOURI

KENDRA MILLER

NUMBER

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PROFESSIONAL ENGINEER

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ROUTE

VAR

STATE

MO

DISTRICT

NW

SHEET NO.

5

COUNTY

ANDREW, BUCHANAN

JOB NO.

JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

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LOCATION NO. 03



REMOVAL OF IMPROVEMENTS

SIGN 03a: 12'x2'

REMOVAL OF IMPROVEMENTS

SIGN 03b: 16'x14'



NEW PROPOSED

SIGN 03a: 13'x2.5'

SIGN 03b: 16'x14'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 03
BUCHANAN COUNTY
LOG MILE 49.483
NORTHBOUND I-29

EXISTING STUBS/FOOTINGS TO BE UIP
USE EXISTING POSTS UP TO THE HINGE POINTS BELOW THE SIGN
INSTALL TWO NEW WF DESIGN #4(W10x22) POSTS FROM THE
HINGE POINTS UP TO THE TOP OF THE SIGN

STATE OF MISSOURI

KENDRA MILLER

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ROUTE

VAR

DISTRICT

NW

STATE

MO

SHEET NO.

6

COUNTY

ANDREW, BUCHANAN

JOB NO.

JNWM0110

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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9801 RENNER BLVD.

SUITE 300

LENEXA, KS 66219

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GEORGE BUTLER ASSOCIATES, INC.

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ARCHITECT 000212

PRO. LAND SURVEYOR 000059

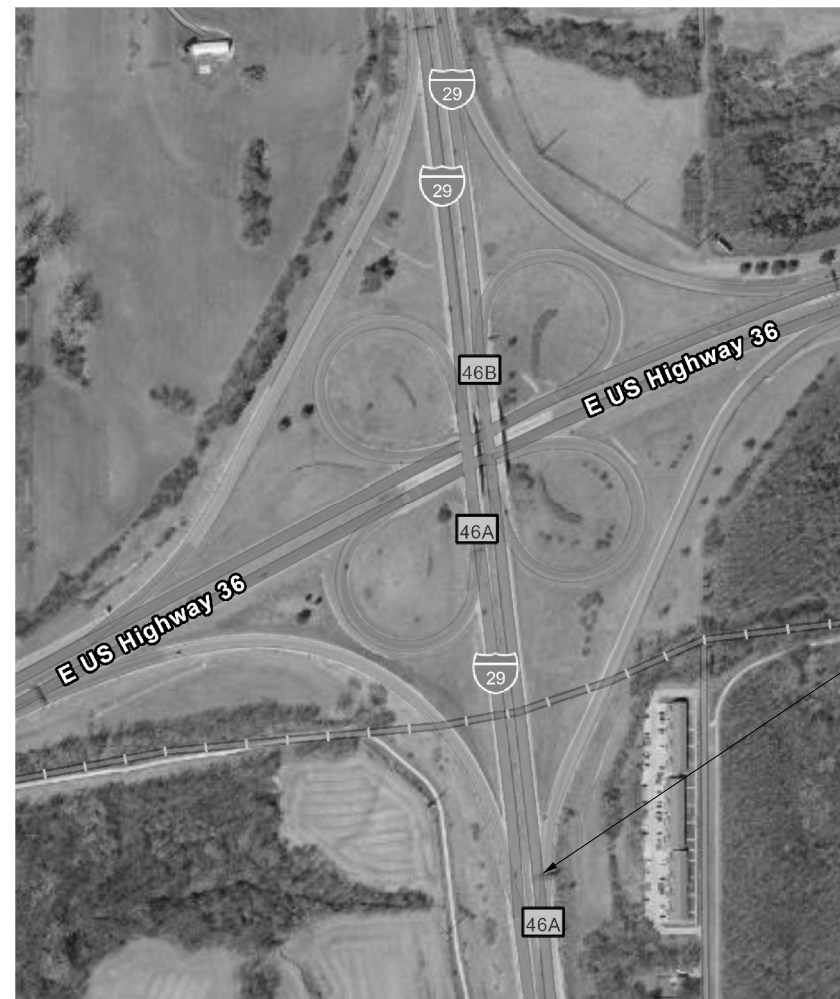
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PROFESSIONAL ENGINEER

PE-2014041301

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SUBSTRUCTURE REPAIR (FORMED)
TIGHTEN BOLTS OR ANCHOR ROD NUTS
GROUT PAD REMOVAL

REMOVAL OF IMPROVEMENTS REMOVAL OF IMPROVEMENTS REMOVAL OF IMPROVEMENTS

SIGN 04a: 8'X 8'

SIGN 04b: 9'X 2'

SIGN 04d: 10'X 2'

SIGN 04c: 13'X 9'

SIGN 04e: 15' X 8'



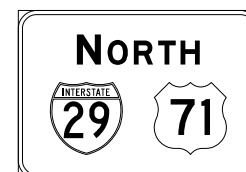
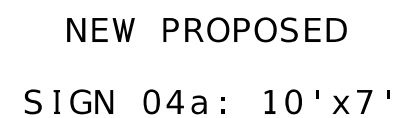
REMOVAL OF IMPROVEMENTS

CATWALK / LIGHTING

NEW PROPOSED

SIGN 04b: 10' x 2.5'

SIGN 04c: 13'x10'



EXIT 46 B

36 WEST

St Joseph

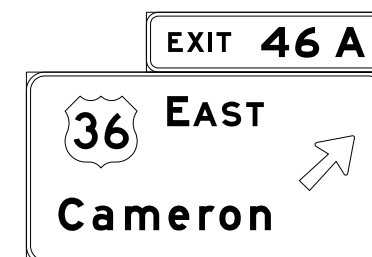
1/4 MILE

SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

NEW PROPOSED

SIGN 04d 10'x2.5'

SIGN 04e: 15' x 8'



LOCATION 04
BUCHANAN COUNTY
LOG MILE 50.444
NORTHBOUND I-29

PLAN SHEET
SHEET 4 OF 74



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DATE PREPARED
9/4/2025

ROUTE	STATE
VAR	MO

DISTRICT NW	SHEET NO. 7
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COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

PROJECT NO.

BRIDGE NO.

[illegible]

DESCRIPTION

DATE _____

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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JEFFERSON CITY, MO 65102
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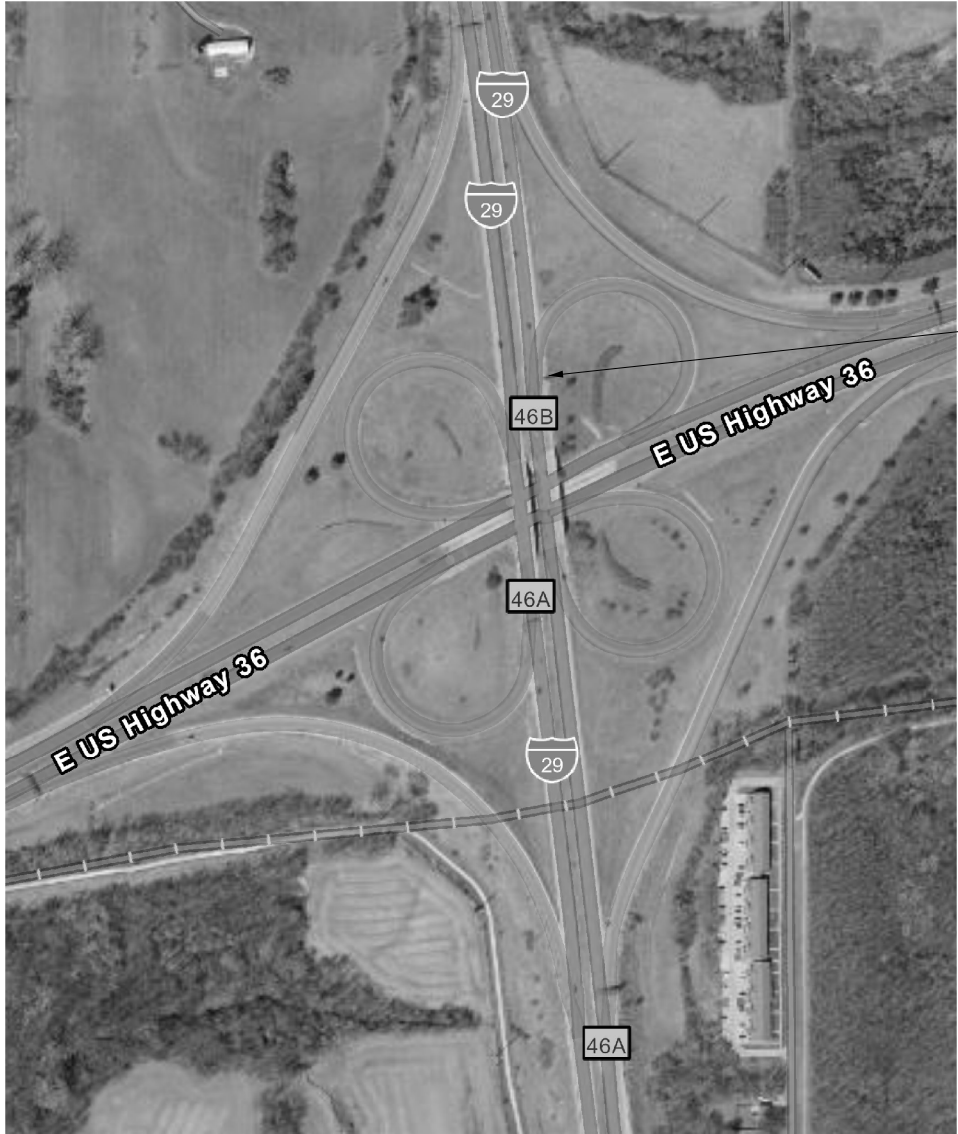


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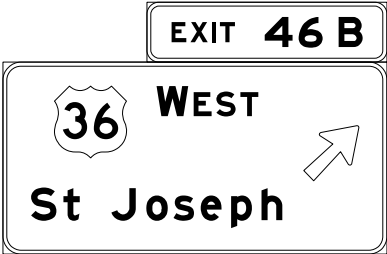
SUBSTRUCTURE REPAIR (FORMED)
GROUT PAD REMOVAL

REMOVAL OF IMPROVEMENTS
SIGN 05a: 10'x2.5'

REMOVAL OF IMPROVEMENTS
SIGN 05b: 16'x8'



NEW PROPOSED
SIGN 05a: 10'x2.5'
SIGN 05b: 16'x8'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 05
BUCHANAN COUNTY
LOG MILE 50.738
NORTHBOUND 1-29

PLAN SHEET
SHEET 5 OF 74

STATE OF MISSOURI

KENDRA MILLER

NUMBER

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ROUTE

VAR

DISTRICT

NW

STATE

MO

SHEET NO.

8

COUNTY

ANDREW, BUCHANAN

JOB NO.

JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

MoDOT

GBA

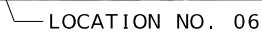
9801 RENNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
GBAteam.com

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

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

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NTS





LOCATION NO. 07



REMOVAL OF IMPROVEMENTS
SIGN 07: 11.5'x2'



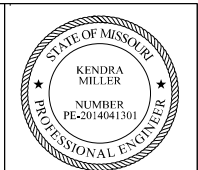
NEW PROPOSED
SIGN 07: 7'x2'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 07
BUCHANAN COUNTY
LOG MILE 52.593
NORTHBOUND I-29

PLAN SHEET
SHEET 7 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 10

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

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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REV.



LOCATION NO. 09



REMOVAL OF IMPROVEMENTS REMOVAL OF IMPROVEMENTS

SIGN 09a: 12'x2'

SIGN 09b: 16'x14'

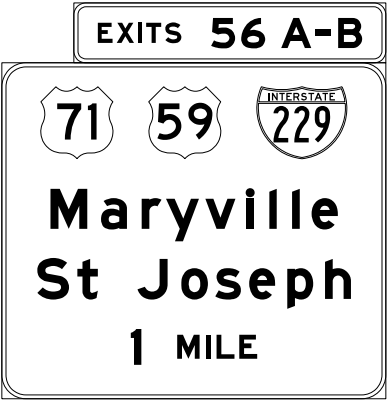


EXISTING POSTS/STUBS/FOOTINGS TO BE UIP

NEW PROPOSED

SIGN 09a: 13'x2.5'

SIGN 09b: 16'x14'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 09
ANDREW COUNTY
LOG MILE 60.398
NORTHBOUND I-29

PLAN SHEET
SHEET 9 OF 74

STATE OF MISSOURI

KENDRA MILLER

NUMBER

PE-2014041301

PROFESSIONAL ENGINEER

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

DATE PREPARED

9/4/2025

ROUTE

VAR

DISTRICT

NW

STATE

MO

SHEET NO.

12

COUNTY

ANDREW, BUCHANAN

JOB NO.

JNWM0110

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

KENDRA G. MILLER
PROFESSIONAL
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PE-2014041301

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GROUT PAD REMOVAL

REMOVAL OF IMPROVEMENTS

SIGN 11a: 9'X 2'

SIGN 11b: 13' X 9'



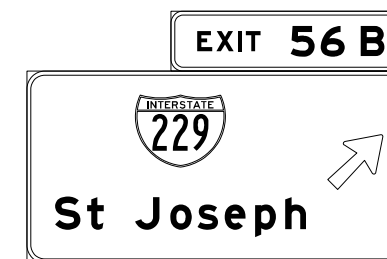
REMOVAL OF IMPROVEMENTS

CATWALK / LIGHTING

NEW PROPOSED

SIGN 11a: 10'x2.5'

SIGN 11b: 16' x 8'



LOCATION 11
ANDREW COUNTY
LOG MILE 61.708
NORTHBOUND I-29

PLAN SHEET
SHEET 11 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STA MO
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DISTRICT	SHEET
NW	1

COUNTY
ANDREW, BUCHA

JOB NO.	JNWM0110
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CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE _____

MISSOURI HIGHWAYS AND TRANSPORTATION



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JEFFERSON CITY, MO 65102

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REMOVAL OF IMPROVMENTS

SIGN 12: 18' x6'



REMOVAL OF IMPROVEMENTS

RIGHT POST

NEW PROPOSED

SIGN 12: 11' x 5'

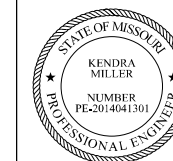
Mound City	26
Rock Port	53
Council Bluffs	119

SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 12
ANDREW COUNTY
LOG MILE 62.489
NORTHBOUND I-29

PLAN SHEET
SHEET 12 OF 74

EXISTING LEFT AND MIDDLE POSTS/STUBS/FOOTINGS TO BE UIP
CUT 1' OFF OF THE TOP OF THE EXISTING LEFT AND MIDDLE POSTS
DUE TO THE NEW SIGN HEIGHT



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT	SHEET NO.

NW	15
----	----

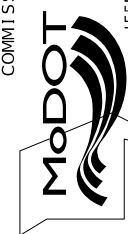
COUNTY
ANDREW, BUCHANA

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]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

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182



LOCATION NO. 13

SUBSTRUCTURE REPAIR (FORMED)

SIGN TRUSS REPAIR - SHEET 121

GROUT PAD REMOVAL



REMOVAL OF IMPROVEMENTS

S I G N 13b :

9 ' X 2 '

REMOVAL OF IMPROVEMENTS

SIGN 13a: 14' X 10'

SIGN 13c:

16' X 10'



REMOVAL OF IMPROVEMENTS

CATWALK / LIGHTING

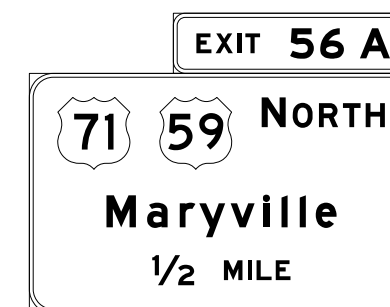
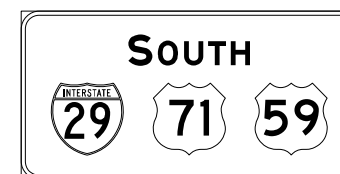
NEW PROPOSED

SIGN 13b: 10'x2.5'

SIGN 13c: 16'x10'

NEW PROPOSED

SIGN 13a: 14' x 7'

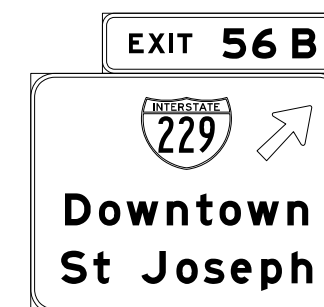


SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

NEW PROPOSED

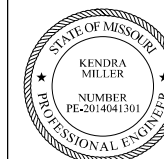
SIGN 13d: 10' x 2.5'

SIGN 13e: 13'x10'



LOCATION 13
ANDREW COUNTY
LOG MILE 67.025
SOUTHBOUND I-29

PLAN SHEET
SHEET 13 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 16

COUNTY
ANDREW, BUCHANA

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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ARCHITECT 000212
PRO. LAND SURVEYOR 000

KENDRA G. MILLER
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ENGINEER
PE-2014041301

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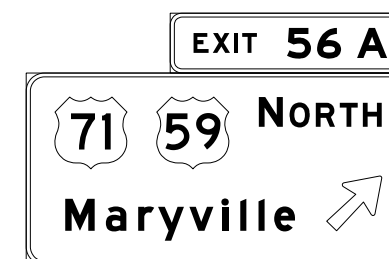
SUBSTRUCTURE REPAIR (FORMED)
TIGHTEN BOLTS OR ANCHOR ROD NUTS
GROUT PAD REMOVAL



REMOVAL OF IMPROVEMENTS

CATWALK/LIGHTING

NEW PROPOSED
SIGN 14a: 10'x2.5'
SIGN 14b: 16'x8'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 14
ANDREW COUNTY
LOG MILE 67.460
SOUTHBOUND I-29

PLAN SHEET
SHEET 14 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 17

COUNTY
ANDREW, BUCHANAN

JOB NO.
LNIWMO110

CONTRACT ID:

continued.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ARCHITECT 000212
C. LAND SURVEYOR 000059

ENDRA G. MILLER
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PE-2014041301

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LOCATION NO. 16

REMOVAL OF IMPROVEMENTS:
SIGN 16: 11.5'x2'



NEW PROPOSED
SIGN 16: 7'x2'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 16
BUCHANAN COUNTY
LOG MILE 75.771
SOUTHBOUND I-29

PLAN SHEET
SHEET 16 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 19

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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PROFESSIONAL
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PE-2014041301



REMOVAL OF IMPROVEMNTS

SIGN 17a: 12'x2'

REMOVAL OF IMPROVEMNTS

SIGN 17b: 16'x14'

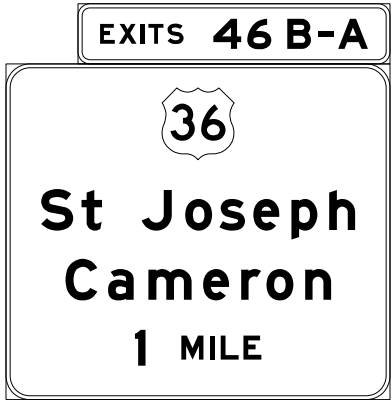


EXISTING POSTS/STUBS/FOOTINGS TO BE UIP

NEW PROPOSED

SIGN 17a: 13'x2.5'

SIGN 17b: 16'x14'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 17
BUCHANAN COUNTY
LOG MILE 76.840
SOUTHBOUND I-29

PLAN SHEET
SHEET 17 OF 74



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

DATE PREPARED
9/4/2025

ROUTE
VAR

STATE
MO

DISTRICT
NW

SHEET NO.
20

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

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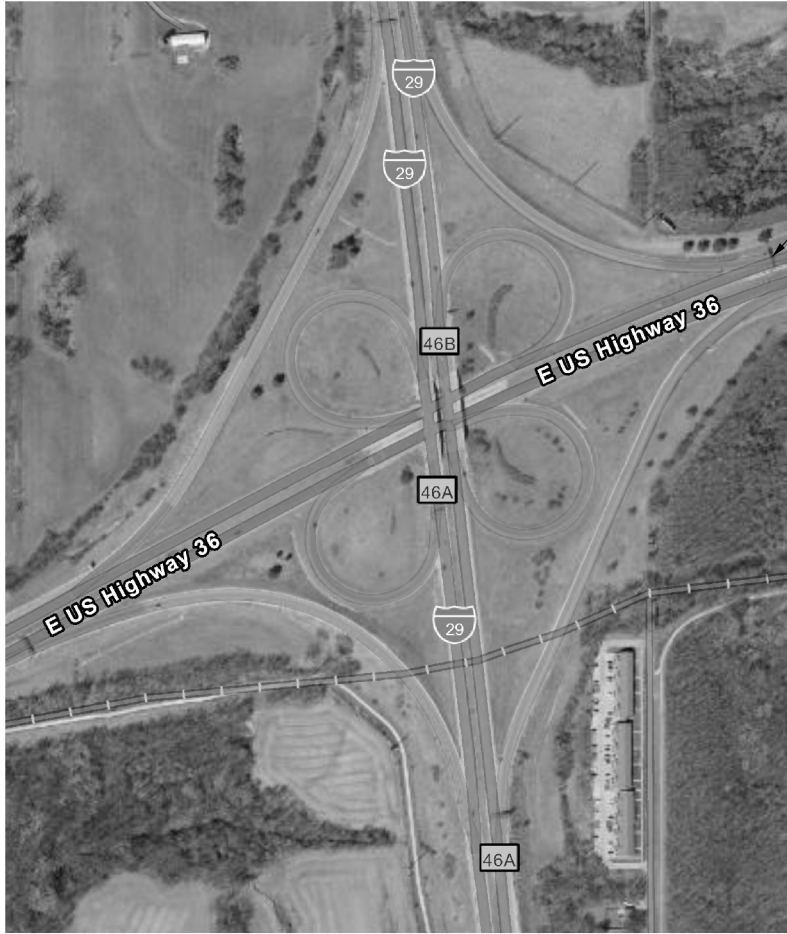
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LOCATION NO. 22



SUBSTRUCTURE REPAIR (FORMED)
GROUT PAD REMOVAL

REMOVAL OF IMPROVEMENTS

SIGN 22b: 16'X 9'

REMOVAL OF IMPROVEMENTS

SIGN 22a: 7'X 8'

REMOVAL OF IMPROVEMENTS

SIGN 22c: 20'X 8'



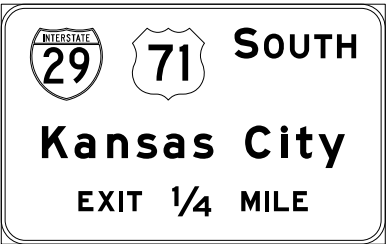
REMOVAL OF IMPROVEMENTS

CATWALK / LIGHTING

NEW PROPOSED

NEW PROPOSED SIGN 22b: 16'x10'

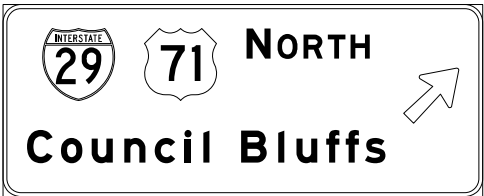
SIGN 22a: 7'x7'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

NEW PROPOSED

SIGN 22c: 20'x8'



LOCATION 22
BUCHANAN COUNTY
LOG MILE 188.591
WESTBOUND US 36

PLAN SHEET
SHEET 22 OF 74



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

DATE PREPARED
9/4/2025

ROUTE
VAR

STATE
MO

DISTRICT
NW

SHEET NO.
25

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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COMMISSION



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PE-2014041301



LOCATION NO. 25

REMOVAL OF IMPROVEMENTS

SIGN 25: 11.5'x2'



NEW PROPOSED

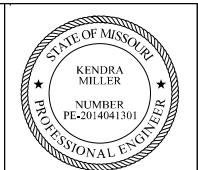
SIGN 25: 7'x2'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 25
BUCHANAN COUNTY
LOG MILE 190.090
WESTBOUND US 36

PLAN SHEET
SHEET 25 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 28

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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LOCATION NO. 26



REMOVAL OF IMPROVEMENTS
SIGN 26: 11.5'x2'



NEW PROPOSED
SIGN 26: 7'x2'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 26
BUCHANAN COUNTY
LOG MILE 191.232
WESTBOUND US 36

PLAN SHEET
SHEET 26 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 29

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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



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ASSOCIATES, INC.
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

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REMOVAL OF IMPROVMENTS



EXISTING STUBS/FOOTINGS TO BE UIP

USE EXISTING POSTS UP TO THE HINGE POINTS BELOW THE SIGN

INSTALL TWO NEW WF DESIGN #3 (W8X18) POSTS FROM THE HINGE

POINTS UP TO THE TOP OF THE SIGN

NEW PROPOSED



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 27
BUCHANAN COUNTY
LOG MILE 191.702
WESTBOUND US 36

PLAN SHEET
SHEET 27 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 30

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



TIGHTEN BOLTS OR ANCHOR ROD NUTS

REMOVAL OF IMPROVEMENTS

SIGN 28a: 13' X 12'

SIGN 28b: 8' X 9'

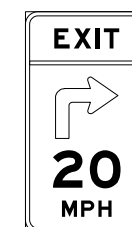


28b: ATTACH TO SIGN TRUSS POST

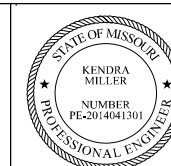
NEW PROPOSED

SIGN 28a: 13'x12' NEW PROPOSED

SIGN 28b: 4' x7'



PLAN SHEET
SHEET 28 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT	SHEET NO.
NW	31

COUNTY
ANDREW, BUCHANA

JOB NO.
JNWM0110

CONTRACT ID.	
--------------	--

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
314.751.2000

GBA
9801 RENNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
GBAteam.com

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

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



REMOVAL OF IMPROVEMENTS

SIGN 29a: 15' X 10'

SIGN 29b: 16' X 10'

SIGN 29c: 13' X 12'



REMOVAL OF IMPROVEMENTS

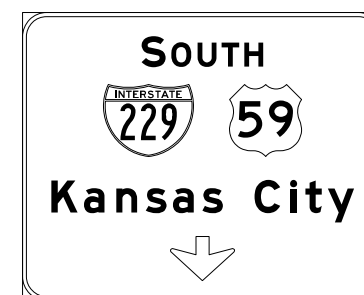
CATWALK / LIGHTING

TIGHTEN BOLTS OR ANCHOR ROD NUTS

GROUND PAD REMOVAL

NEW PROPOSED

SIGN 29a: 15' x 12'



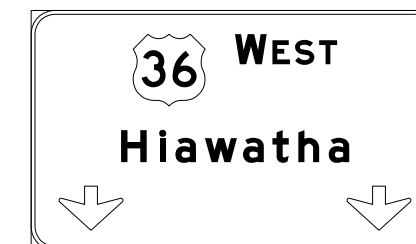
29a: CENTER OVER LEFT LANE

29b: CENTER OVER MIDDLE AND LEFT LANES

29c: CENTER OVER LEFT EXIT LANE

NEW PROPOSED

SIGN 29b: 17'x10'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

NEW PROPOSED

SIGN 29c: 13'x12'



LOCATION 29
BUCHANAN COUNTY
LOG MILE 192.290
WESTBOUND US 36

PLAN SHEET
SHEET 29 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 32

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]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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ENGINEER
PE-2014041301

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LOCATION NO. 30



GROUT PAD REMOVAL

REMOVAL OF IMPROVEMENTS
SIGN 30: 14'X 12'



REMOVAL OF IMPROVEMENTS
CATWALK / LIGHTING

NEW PROPOSED
SIGN 30: 14'x12'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 30
BUCHANAN COUNTY
LOG MILE 192.334
WESTBOUND US 36

PLAN SHEET
SHEET 30 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 33

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

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)

GBA

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PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



TIGHTEN BOLTS OR ANCHOR ROD NUTS
REMOVE AND REPLACE W13-2 ON SIGN TRUSS POST.
SEE D30 SHEET FOR NEW SIGN DETAIL



REMOVAL OF IMPROVEMENTS REMOVAL OF IMPROVEMENTS

SIGN 32a: 8'X 4' SIGN 32c: 16'X 12'

SIGN 32b: 10'X 8' SIGN 32d: 20'X 12'

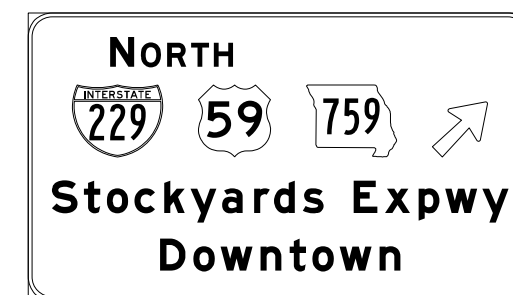
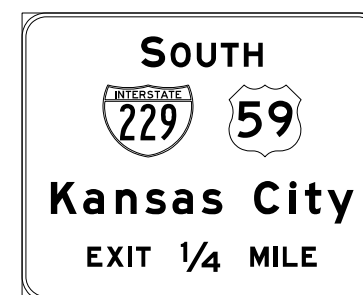


NEW PROPOSED

SIGN 32b: 11'x8'

NEW PROPOSED

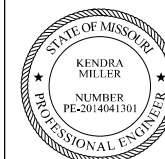
SIGN 32a: 8'x4'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 32
BUCHANAN COUNTY
LOG MILE 0.158
EASTBOUND US 36

PLAN SHEET
SHEET 32 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 35

COUNTY	ANDREW, BUCHANAN
--------	------------------

JOB NO.
JNWM0110

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)



9801 RENNER BLVD.
STE. 300
LENEXA, KS 66219
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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



REMOVAL OF IMPROVEMENTS

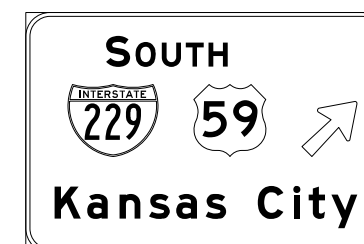


REMOVAL OF IMPROVEMENTS

NEW PROPOSED

NEW PROPOSED SIGN 33b: 15'x10'

SIGN 33a: 11'x8'

A diagram of a rectangular sign with rounded corners, representing the proposed sign for SIGN 33a. The sign is shown in a perspective view, with a double-line border and a shaded interior. It is positioned below the text 'SIGN 33a: 11'x8'' and to the right of the 'NEW PROPOSED' label.

SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 33
BUCHANAN COUNTY
LOG MILE 0.257
EASTBOUND US 36

PLAN SHEET
SHEET 33 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 36

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE _____

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



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STE. 300
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



LOCATION NO. 34



REMOVAL OF IMPROVEMENTS

SIGN 34: 10'x10'

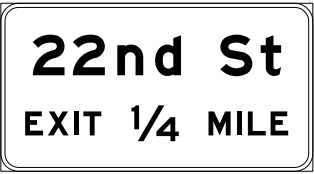


EXISTING POSTS/STUBS/FOOTINGS TO BE UIP

CUT 3' OFF THE TOP OF THE POSTS DUE TO THE NEW SIGN HEIGHT

NEW PROPOSED

SIGN 34: 13'x7'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 34
BUCHANAN COUNTY
LOG MILE 0.889
EASTBOUND US 36

PLAN SHEET
SHEET 34 OF 74



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

DATE PREPARED
9/4/2025

ROUTE
VAR

STATE
MO

DISTRICT
NW

SHEET NO.
37

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

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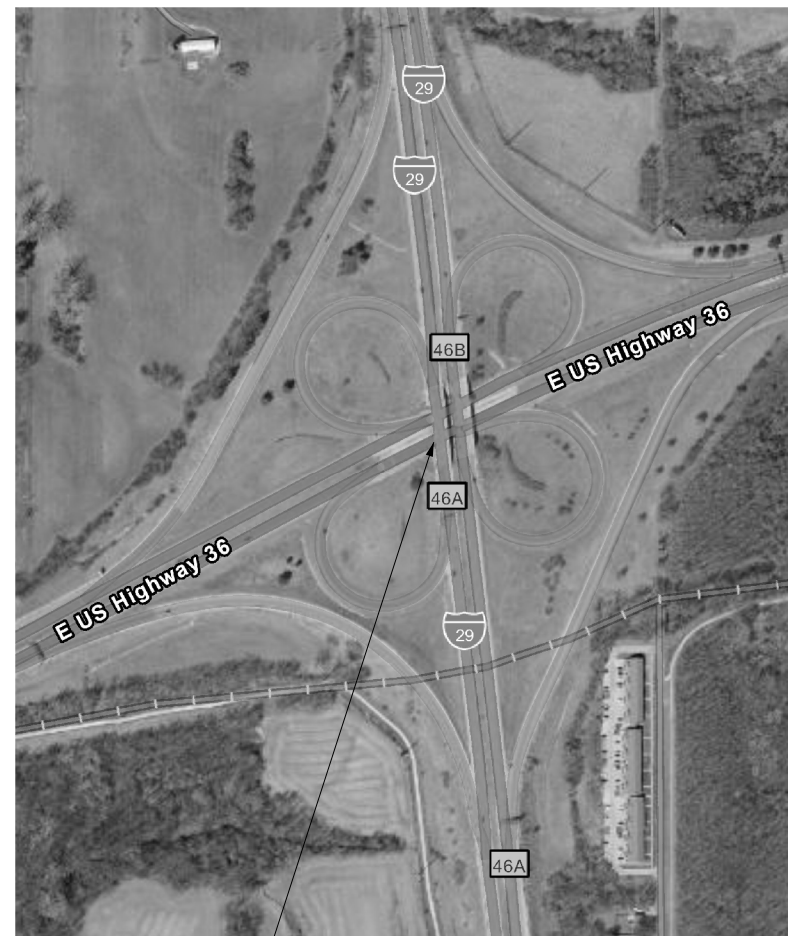
REVISION

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LOCATION NO. 39

NTS

REMOVAL OF IMPROVEMENTS

SIGN 39: 11.5'x2'



NEW PROPOSED

SIGN 39: 7' x 2'

15 FT 11 IN

SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 39
BUCHANAN COUNTY
LOG MILE 3.840
EASTBOUND US 36

PLAN SHEET
SHEET 39 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 42

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



9801 RENNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
GBAteam.com

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

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



LOCATION NO. 40



REMOVAL OF IMPROVEMENTS
SIGN 40: 11.5'x2'



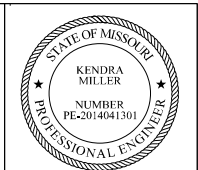
NEW PROPOSED
SIGN 40: 7'x2'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 40
BUCHANAN COUNTY
LOG MILE 0.749
NORTHBOUND I-229

PLAN SHEET
SHEET 40 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 43

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

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)

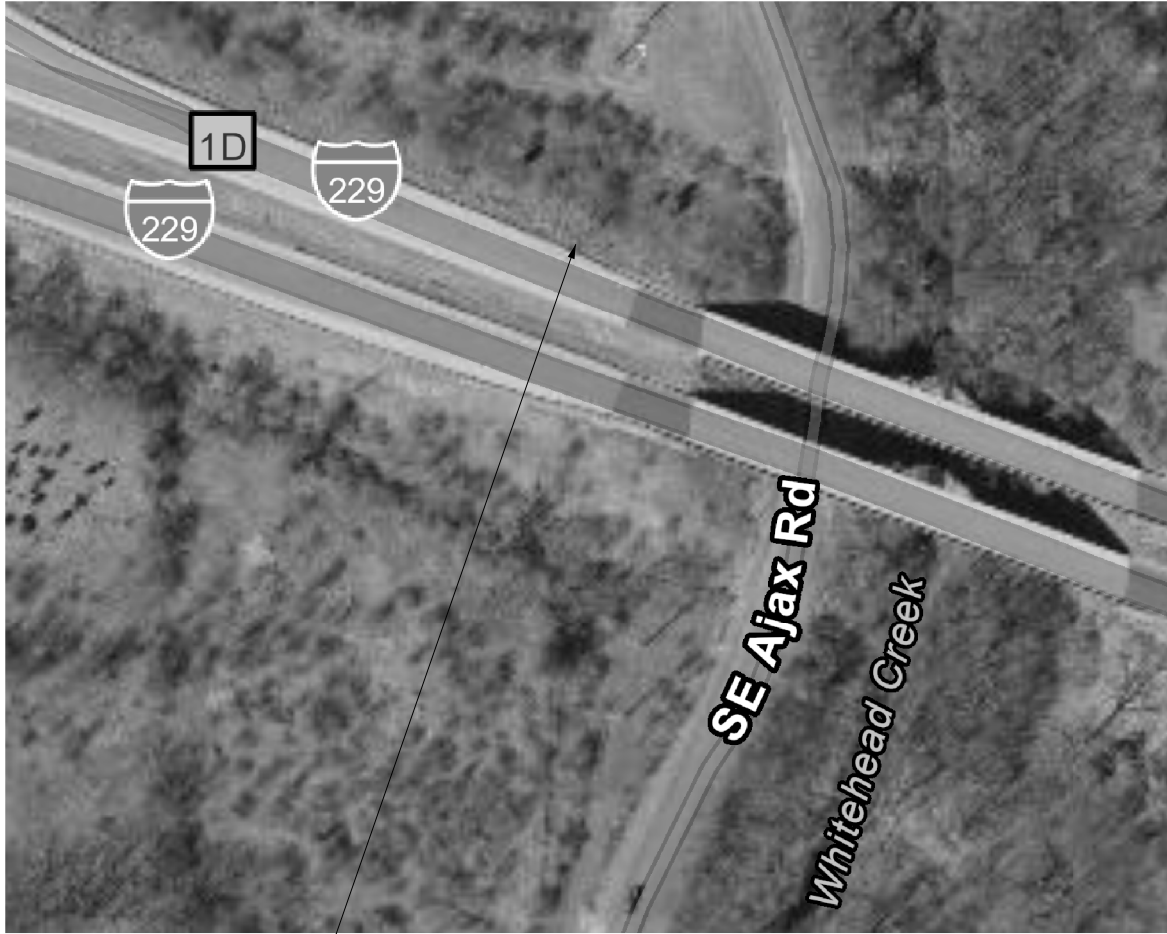
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



LOCATION NO. 41



REMOVAL OF IMPROVMENTS

SIGN 41a: 7'x2'

REMOVAL OF IMPROVMENTS

SIGN 41b: 9'x8'

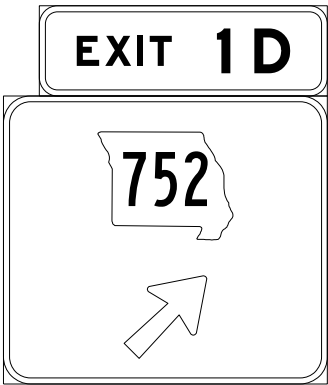


EXISTING POSTS/STUBS/FOOTINGS TO BE UIP

NEW PROPOSED

SIGN 41a: 8'x2.5'

SIGN 41b: 9'x8'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 41
BUCHANAN COUNTY
LOG MILE 1.835
NORTHBOUND I-229

PLAN SHEET
SHEET 41 OF 74



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

DATE PREPARED
9/4/2025

ROUTE
VAR

STATE
MO

DISTRICT
NW

SHEET NO.
44

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

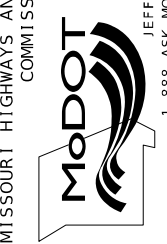
BRIDGE NO.

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

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



LOCATION NO. 42

REMOVAL OF IMPROVEMENTS

SIGN 42a: 7'x2'

REMOVAL OF IMPROVEMENTS

SIGN 42b: 14'x11'



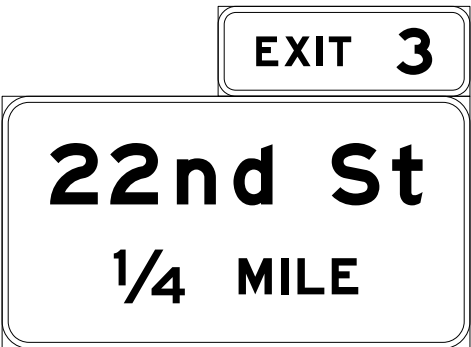
EXISTING POSTS/STUBS/FOOTINGS TO BE UIP

CUT 4' OFF THE TOP OF THE POSTS DUE TO THE NEW SIGN HEIGHT

NEW PROPOSED

SIGN 42a: 7'x2.5'

SIGN 42b: 13'x7'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 42
BUCHANAN COUNTY
LOG MILE 2.399
NORTHBOUND I-229

PLAN SHEET
SHEET 42 OF 74



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

DATE PREPARED
9/4/2025

ROUTE
VAR

STATE
MO

DISTRICT
NW

SHEET NO.
45

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

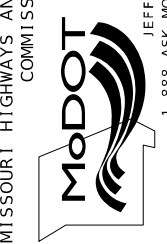
BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



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STE. 300
LENEXA, KS 66219
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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



LOCATION NO. 47



REMOVAL OF IMPROVEMENTS REMOVAL OF IMPROVEMENTS

SIGN 47a: 9'X 3' SIGN 47c: 9'X 3'
SIGN 47b: 18'X 10' SIGN 47d: 17'X 7'

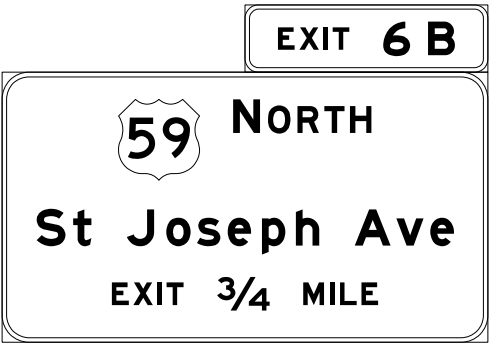


REMOVAL OF IMPROVEMENTS

CATWALK / LIGHTING

NEW PROPOSED

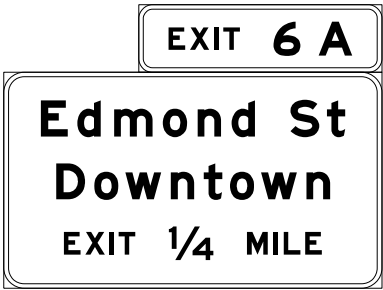
SIGN 47a: 9'x2.5'
SIGN 47b: 18'x10'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

NEW PROPOSED

SIGN 47c: 9'x2.5'
SIGN 47d: 14'x8'



LOCATION 47
BUCHANAN COUNTY
LOG MILE 5.821
NORTHBOUND I-229

PLAN SHEET
SHEET 47 OF 74

STATE OF MISSOURI

KENDRA MILLER

NUMBER

PE-2014041301

PROFESSIONAL ENGINEER

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

DATE PREPARED

9/4/2025

ROUTE

VAR

STATE

MO

DISTRICT

NW

SHEET NO.

50

COUNTY

ANDREW, BUCHANAN

JOB NO.

JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

MODOT

GBA

9801 RENNER BLVD.
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LENEXA, KS 66219
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GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

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REPLACE HANDHOLE COVER

GROUT PAD REMOVAL

REMOVAL OF IMPROVEMENTS

SIGN 49a: 13' X 8'

REMOVAL OF IMPROVEMENTS

SIGN 49b: 9'X 3'

SIGN 49c: 18' X 8'



REMOVAL OF IMPROVEMENTS

CATWALK / LIGHTING

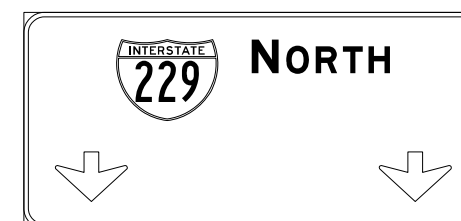
NEW PROPOSED

SIGN 49b: 9' x 2.5'

SIGN 49c: 18'x8'

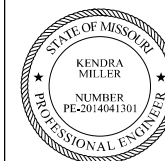
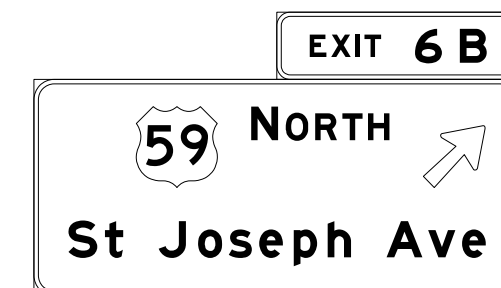
NEW PROPOSED

SIGN 49a: 17' x 8'



49a: CENTER OVER TRAVEL LANES

49c: CENTER OVER EXIT LANE



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT	SHEET NO.
NW	52

COUNTY
ANDREW, BUCHAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE _____

MISSOURI HIGHWAYS AND TRANSPORTATION



9801 RENNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
GBAteam.com

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

KENDRA G. MILLE
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



LOCATION NO. 50



REMOVAL OF IMPROVEMENTS

SIGN 50a: 7'x2'

REMOVAL OF IMPROVEMENTS

SIGN 50b: 15'x10'



EXISTING POSTS/STUBS/FOOTINGS TO BE UIP

NEW PROPOSED

SIGN 50a: 7'x2.5'

SIGN 50b: 14'x10'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 50
BUCHANAN COUNTY
LOG MILE 7.212
NORTHBOUND I-229

PLAN SHEET
SHEET 50 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 53

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

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

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



LOCATION NO. 51

SUBSTRUCTURE REPAIR (FORMED)
GROUT PAD REMOVAL
REPLACE CONNECTION BOLT



REMOVAL OF IMPROVEMENTS

REMOVAL OF IMPROVEMENTS

REMOVAL OF IMPROVEMENTS

SIGN 51a: 9'X 2'

SIGN 51b: 17'X 10'

SIGN 51c:9'X 2'

SIGN 51d: 16'X 10'

SIGN 51e: 9'X 2'

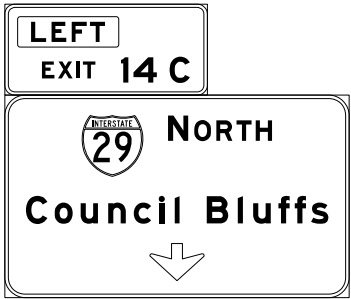
SIGN 51f:20'X 8'



REMOVAL OF IMPROVEMENTS
CATWALK / LIGHTING

NEW PROPOSED

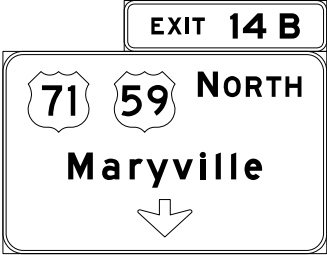
SIGN 51a: 10'x4.5'
SIGN 51b: 17'x10'



51b: CENTER OVER LEFT LANE
51d: CENTER OVER RIGHT LANE
51f: CENTER OVER EXIT LANE

NEW PROPOSED

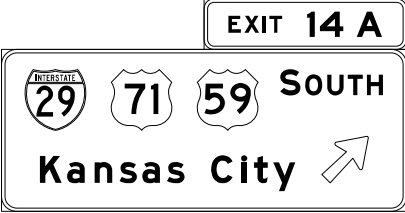
SIGN 51c: 10'x2.5'
SIGN 51d: 16'x10'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

NEW PROPOSED

SIGN 51e: 10'x2.5'
SIGN 51f: 20'x8'



LOCATION 51
ANDREW COUNTY
LOG MILE 14.419
NORTHBOUND I-229

PLAN SHEET
SHEET 51 OF 74

STATE OF MISSOURI
KENDRA MILLER
NUMBER
PE-2014041301
PROFESSIONAL ENGINEER

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

DATE PREPARED
9/4/2025

ROUTE
VAR
DISTRICT
NW
COUNTY
ANDREW, BUCHANAN
JOB NO.
JNWM0110
CONTRACT ID.

STATE
MO
SHEET NO.
54

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

MODOT

GBA

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LENEXA, KS 66219
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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

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REV.



LOCATION NO. 52

SUBSTRUCTURE REPAIR (FORMED)

GROUT PAD REMOVAL

REMOVE AND REPLACE TWO W13-2 SIGNS ON SIGN TRUSS POSTS.
SEE D30 SHEET FOR NEW SIGN DETAIL

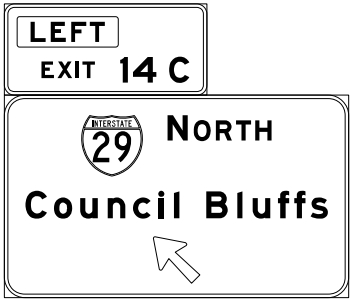
52b: CENTER OVER LEFT EXIT LANE
52d: CENTER OVER RIGHT TRAVEL LANE

REMOVAL OF IMPROVEMENTS REMOVAL OF IMPROVEMENTS
SIGN 52a: 9'X 2' SIGN 52c: 9'X 2'
SIGN 52b: 17'X 10' SIGN 52d: 16'X 10'

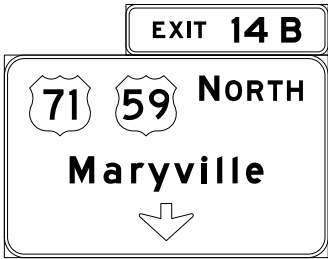


REMOVAL OF IMPROVEMENTS
CATWALK / LIGHTING

NEW PROPOSED NEW PROPOSED
SIGN 52a: 10'x4.5' SIGN 52c: 10'x2.5'
SIGN 52b: 17'x10' SIGN 52d: 16'x10'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET



LOCATION 52
ANDREW COUNTY
LOG MILE 14.732
NORTHBOUND I-229

PLAN SHEET
SHEET 52 OF 74

STATE OF MISSOURI

KENDRA MILLER

NUMBER

PE-2014041301

PROFESSIONAL ENGINEER

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

DATE PREPARED

9/4/2025

ROUTE

VAR

STATE

MO

DISTRICT

NW

SHEET NO.

55

COUNTY

ANDREW, BUCHANAN

JOB NO.

JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

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— LOCATION NO. 53

REMOVE AND REPLACE W13-2 SIGN ON SIGN TRUSS POST.
SEE D30 SHEET FOR NEW SIGN DETAIL

REMOVAL OF IMPROVEMENTS

SIGN 53a: 9'X 3'

SIGN 53b: 16' X 8'

REMOVAL OF IMPROVEMENTS

SIGN 53c: 12' X 8'



REMOVAL OF IMPROVEMENTS

CATWALK / LIGHTING

REMOVAL OF IMPROVEMENTS

SIGN 53d: 13' X 3'

SIGN 53e: 13' X 12'

NEW PROPOSED

SIGN 53d: 12' x 2.5'

SIGN 53e: 12' x 12'

NEW PROPOSED

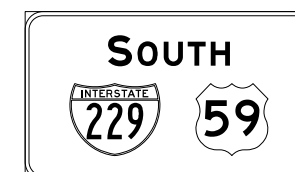
SIGN 53a: 10' x 4.5'

SIGN 53b: 16' x 6'

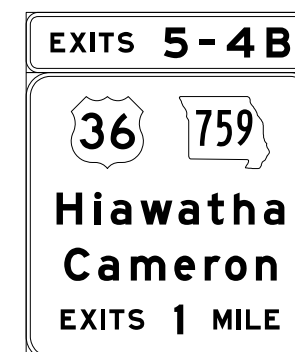


NEW PROPOSED

SIGN 53c: 12'x7'

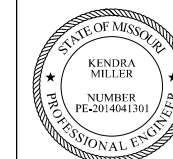


SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET



LOCATION 53
BUCHANAN COUNTY
LOG MILE 8.502
SOUTHBOUND I-229

PLAN SHEET
SHEET 53 OF 74



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

DATE PREPARED
9/4/2025

ROUTE	STA
VAR	MO

DISTRICT NW	SHEET 5
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COUNTY
ANDREW, BUCHA

JOB NO.
INWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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ARCHITECT 000212
PRO. LAND SURVEYOR 000058

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

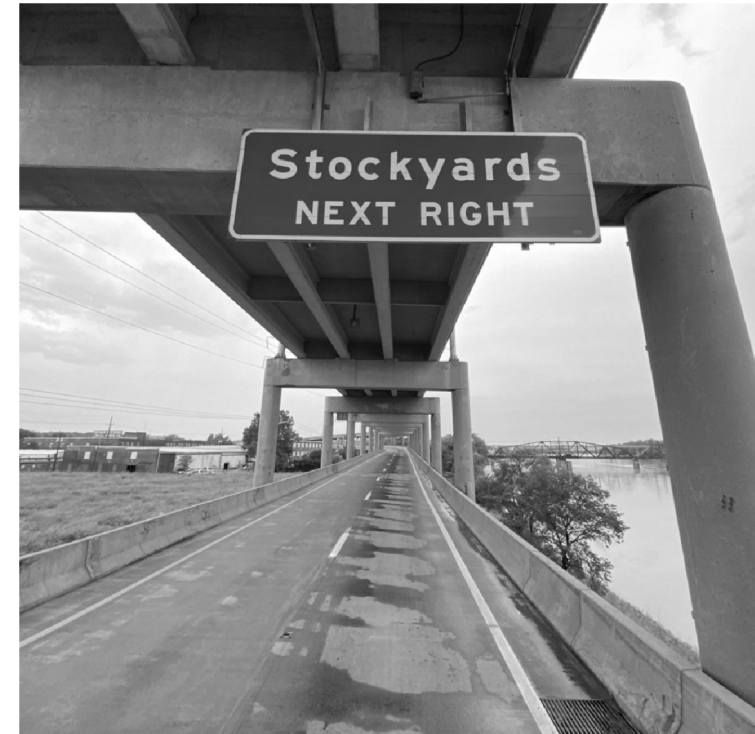
182



NTS

REMOVAL OF IMPROVEMENTS

SIGN 56: 14' X 5'



REMOVAL OF IMPROVEMENTS

CATWALK / LIGHTING

NEW PROPOSED

SIGN 56: 11' x 6'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 56
BUCHANAN COUNTY
LOG MILE 9.251
SOUTHBOUND I-229

PLAN SHEET
SHEET 56 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT NW	SHEET NO. 59
COUNTY	

ANDREW, BUCHANAN
JOB NO.

JNWM0110
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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JEFFERSON CITY, MO 65102
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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



REMOVAL OF IMPROVEMENTS

SIGN 62a: 7' x 2'

REMOVAL OF IMPROVEMENTS

SIGN 62b: 14' x 11'



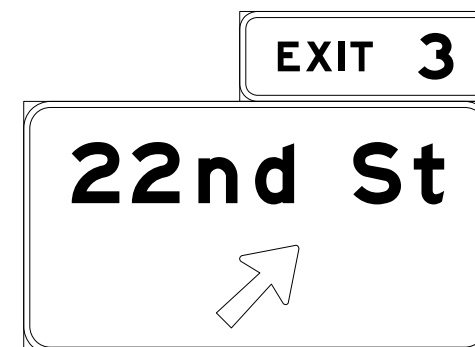
EXISTING POSTS/STUBS/FOOTINGS TO BE UIP

CUT 4' OFF THE TOP OF THE POSTS DUE TO THE NEW SIGN HEIGHT

NEW PROPOSED

SIGN 62a: 7'x2.5'

SIGN 62b: 13' x 7'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 62
BUCHANAN COUNTY
LOG MILE 11.887
SOUTHBOUND I-229

PLAN SHEET
SHEET 62 OF 74



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

DATE PREPARED

9 / 4 / 2025

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT NW	SHEET NO. 65
----------------	-----------------

COUNTY	ANDREW, BUCHANAN
--------	------------------

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO. _____

BRIDGE NO.

[illegible]

**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

105 WEST CAPITAL
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 G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



LOCATION NO. 63 —

GROUT PAD REMOVAL

REMOVAL OF IMPROVEMENTS REMOVAL OF IMPROVEMENTS

SIGN 63b: 18' X 10'

SIGN 63e:5'X 8'

SIGN 63d: 16' X 10'



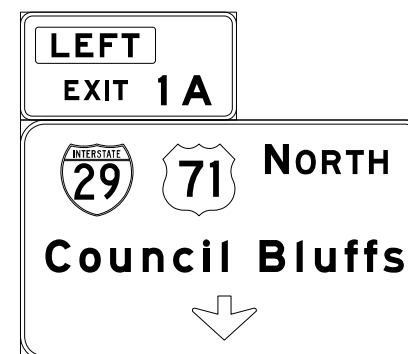
REMOVAL OF IMPROVEMENTS

CATWALK / LIGHTING

NEW PROPOSED

SIGN 63a: 9'x4.5'

SIGN 63b: 17' x 10'



63b: CENTER OVER LEFT LANE

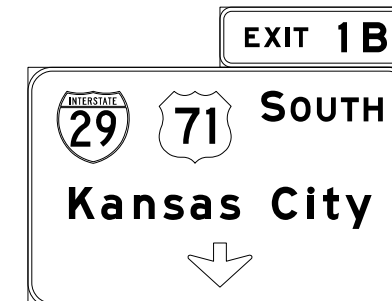
63d: CENTER OVER RIGHT LANE

63f: CENTER OVER EXIT LANE

NEW PROPOSED

SIGN 63c: 8'x2.5'

SIGN 63d: 16'x10'

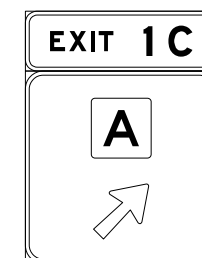


SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

NEW PROPOSED

SIGN 63e: 8'x2.5'

SIGN 63f: 8'x8'



LOCATION 63
BUCHANAN COUNTY
LOG MILE 14.166
SOUTHBOUND I-229

PLAN SHEET
SHEET 63 OF 74



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

DATE PREPARED

9 / 4 / 2025

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT	SHEET NO.
NW	66

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

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ARCHITECT 000212
LAND SURVEYOR 000059

ENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



LOCATION NO. 64

SE State Route A



REMOVAL OF IMPROVEMENTS
SIGN 64: 11.5'x2'



NEW PROPOSED

SIGN 64: 7'x2'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 64
BUCHANAN COUNTY
LOG MILE 14.342
SOUTHBOUND I-229

PLAN SHEET
SHEET 64 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 67

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

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

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



GROUT PAD REMOVAL
END I-229 SIGN TO BE UIP

65b: CENTER SIGN OVER LEFT LANE

65d: CENTER SIGN OVER RIGHT LANE

REMOVAL OF IMPROVEMENTS

SIGN 65b: 18' X 8'

SIGN 65d: 16' X 10'



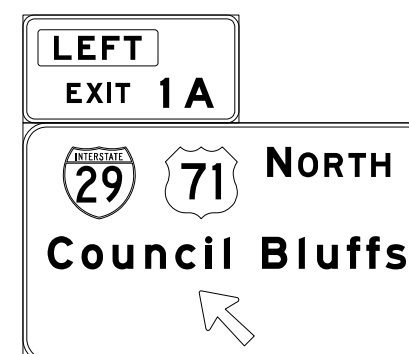
REMOVAL OF IMPROVEMENTS

CATWALK / LIGHTING

NEW PROPOSED

SIGN 65a: 9'x4.5'

SIGN 65b: 17' x 10'

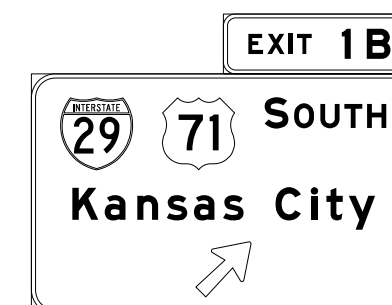


SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

NEW PROPOSED

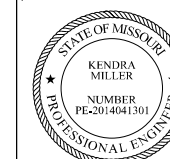
SIGN 65c: 8' x 2.5'

SIGN 65d: 16'x10'



LOCATION 65
BUCHANAN COUNTY
LOG MILE 14.631
SOUTHBOUND I-229

PLAN SHEET
SHEET 65 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO 68

NW	33
COUNTY	
ANDREW, BUCHANAN	

JOB NO

LNWM0110

CONTRACT ID.

PROJECT NO. _____

BRIDGE NO.

DESCRIPTION

DATE _____

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



REMOVAL OF IMPROVEMENTS

SIGN 67a: 20' X 10'

SIGN 67b: 13'X 12'



REMOVAL OF IMPROVEMENTS

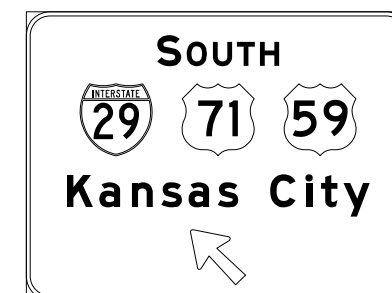
CATWALK / LIGHTING

NEW PROPOSED

SIGN 67a: 16'x12'

NEW PROPOSED

SIGN 67b: 13'x12'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET



LOCATION 67
ANDREW COUNTY
LOG MILE 73.590
SOUTHBOUND US 59

PLAN SHEET
SHEET 67 OF 74



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

DATE PREPARED

9 / 4 / 2025

ROUTE VAR	STATE MO
--------------	-------------

VAR	MO
-----	----

DISTRICT	SHEET NO.
NW	70

TNW	70
COUNTY	

ANDREW BUCHANAN

ANDREW, DOCTANAI

JOB NO

JOB NO.
LNWMO110

JNWM0110

CONTRACT ID

CONTRACT ID.

PROJECT NO.

PROJECT NO.

DESCRIPTION

DATE _____

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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ARCHITECT 000212
D. LAND SURVEYOR 000059

DENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



REMOVAL OF IMPROVEMENTS

SIGN 68a: 11'X 9'

SIGN 68b: 13' X 10'

SIGN 68c: 17' X 12'

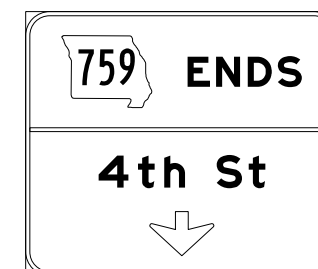
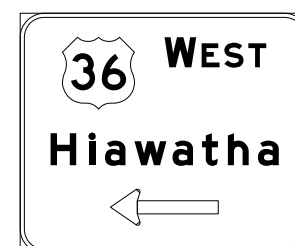


SUBSTRUCTURE REPAIR (FORMED)
GROUT PAD REMOVAL

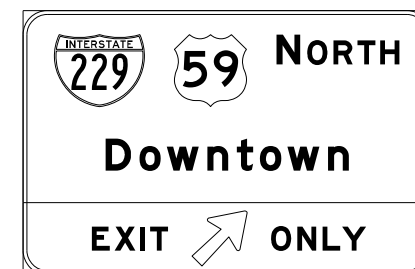
REMOVAL OF IMPROVEMENTS

CATWALK / LIGHTING

NEW PROPOSED NEW PROPOSED
SIGN 68a: 12'x10' SIGN 68b: 13'x11'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET



LOCATION 68
BUCHANAN COUNTY
LOG MILE 1.944
NORTHBOUND MO 759

PLAN SHEET
SHEET 68 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 71

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



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

ENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



LOCATION NO. 69



REMOVAL OF IMPROVEMENTS

SIGN 69: 14'X 8'

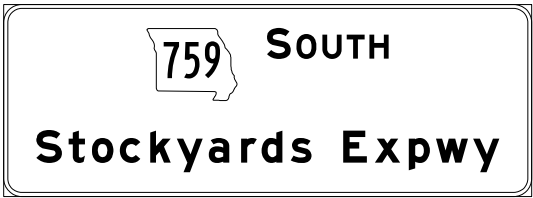


REMOVAL OF IMPROVEMENTS

CATWALK/LIGHTING

NEW PROPOSED

SIGN 69: 22'x8'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 69
BUCHANAN COUNTY
LOG MILE 0.167
SOUTHBOUND MO 759

PLAN SHEET
SHEET 69 OF 74



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

DATE PREPARED
9/4/2025

ROUTE
VAR MO

DISTRICT
NW 72

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

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)



9801 RENNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
GBAteam.com

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

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



NTS

REMOVAL OF IMPROVEMENTS

SIGN 70a: 11'X 9'

SIGN 70b: 14'X 7'



REMOVAL OF IMPROVEMENTS

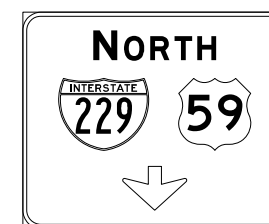
CATWALK / LIGHTING

SUBSTRUCTURE REPAIR (FORMED)

GROUT PAD REMOVAL

NEW PROPOSED

SIGN 70a: 11' x 9'



70a: CENTER OVER ON RAMP

70b: CENTER OVER LANE

NEW PROPOSED

SIGN 70B: 14' x 7'



SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 70
BUCHANAN COUNTY
LOG MILE 2.035
FRANCIS ST.

PLAN SHEET
SHEET 70 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT	SHEET NO.
NW	73

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DAIE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

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ASSOCIATES, INC.
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ARCHITECT 000212
D. LAND SURVEYOR 000059

ENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



LOCATION NO. 71

GROUT PAD REMOVAL

REMOVE AND REPLACE R3-1 SIGN ON RIGHT SIGN TRUSS.

SEE D30 SHEET FOR NEW SIGN DETAIL

REMOVAL OF IMPROVEMENTS REMOVAL OF IMPROVEMENTS

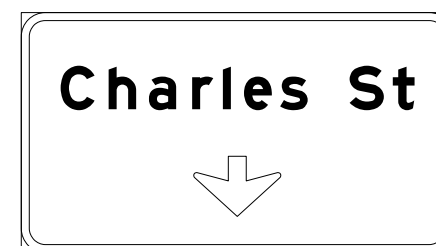
SIGN 71a: 10'x5'

SIGN 71b: 9' x 5'



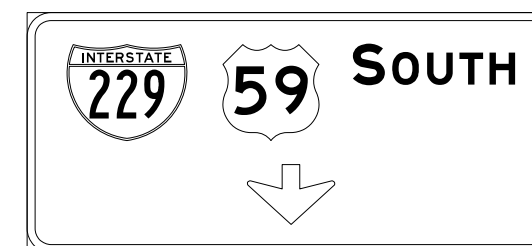
NEW PROPOSED

SIGN 71a: 9'x5'



NEW PROPOSED

SIGN 71b: 11'x5'



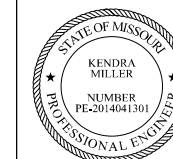
SEE D31 SHEET FOR NEW

71a: CENTER OVER LANE

71b: CENTER OVER ON RAMP

LOCATION 71
BUCHANAN COUNTY
LOG MILE 0.010
CHARLES ST.

PLAN SHEET
SHEET 71 OF 74



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

DATE PREPARED	9/4/2025
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ROUTE	STA
VAR	MO

DISTRICT	SHEET
NW	7

NEW	7
COUNTY	
ANDREW	BUCHA

ANDREW, BOCHIA
JOB NO.
LNWMO110

JNWM0110
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE _____

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

GBA

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STE. 300
LENEXA, KS 66219
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GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 00013
ARCHITECT 000212
PRO. LAND SURVEYOR 00

KENDRA G. MILL
PROFESSIONAL
ENGINEER
PE-201404130

181



— LOCATION NO. 74



NEW PROPOSED
SIGN 74: 7'x2'

15 FT 2 IN

SEE D31 SHEET FOR NEW
SIGN DETAIL SHEET

LOCATION 74
BUCHANAN COUNTY
LOG MILE 0.385
NORTHBOUND I-229

PLAN SHEET
SHEET 74 OF 74



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT NW	SHEET NO. 77
----------------	-----------------

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

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

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

TRAFFIC CONTROL LEGEND,
SIGN SPACING, DEVICE SPACING, CHANNELIZING TAPER LENGTHS
AND RECOMMENDED MAXIMUM SPEED REDUCTIONS

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

TAPER LENGTHS AND END TREATMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED (MPH)	MINIMUM LANE TAPER LENGTH (3)			END TREATMENT (4)
	10'	11'	12'	
< 40	160'	168'	176'	BARRIER HEIGHT TRANSITION
≥ 40	160'	168'	176'	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED (MPH)	MINIMUM LANE TAPER LENGTH (3)			MINIMUM SHOULDER TAPER LENGTH (T1) BASED ON 10' SHOULDER	BUFFER LENGTH (FT)	MAXIMUM CHANNELIZER SPACING	
	10'	11'	12'			THROUGH TAPER	THROUGH WORK AREA
0-35	205'	225'	245'	70'	280'	35'	40'
40-45	450'	495'	540'	150'	400'	40'	80'
50-55	550'	605'	660'	185'	560'	50'	80'
60-70	700'	770'	840'	235'	840'	60'	120'

THE SA DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN.

THE SB DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS.

THE SC DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.

(THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TEMPORARY TRAFFIC CONTROL ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TEMPORARY TRAFFIC CONTROL ZONE)

DETAILS NOTES:

- SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
- SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
- TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER
- CONCRETE BARRIER MAY BE INSTALLED AT 8:1 FLARE RATE FROM THE SHOULDER POINT OF THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER

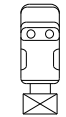
LANE TAPER LENGTH (L)

L = W X P FOR 40 MPH OR MORE
 $L = \frac{WP^2}{60}$ FOR 35 MPH OR LESS
L = TAPER LENGTH IN FEET
W = LATERAL SHIFT IN FEET
P = POSTED SPEED PRIOR TO ROAD WORK IN MPH

SHOULDER TAPER LENGTH (T1)

ADJUST LENGTH ACCORDING TO SHOULDER WIDTH BASED ON TABLE RATE FOR 10' WIDE.

TRAFFIC CONTROL LEGEND

	SIGN (SINGLE SIDED)		FLASHING ARROW PANEL
	SIGN (DOUBLE SIDED)		CHANGEABLE MESSAGE BOARD
	FLAGGER		TYPE III MOVABLE BARRICADE
	CHANNELIZER		PROTECTIVE VEHICLE WITH WORK SIGN, FLASHING ARROW PANEL AND REAR-MOUNTED IMPACT ATTENUATOR UNIT
	DIRECTIONAL INDICATOR BARRICADE		

LEGEND NOTE:

THE PROTECTIVE VEHICLE SIGN SHALL BE MOUNTED AT A RECOMMENDED HEIGHT OF 48 IN. ABOVE THE ROAD SURFACE.

GENERAL NOTES:

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

EPG TABLE 616.29 RECOMMENDED MAXIMUM SPEED REDUCTIONS	
ACTIVITY (I.E. WORKERS, EQUIPMENT OR MATERIAL) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT. BEYOND EDGE OF TRAVELWAY TO EDGE OF RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10 FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO, AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR	

TEMPORARY TRAFFIC CONTROL
TYPICAL APPLICATION
SHEET 1 OF 7



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

DATE PREPARED
9/4/2025

ROUTE STATE
VAR MO
DISTRICT SHEET NO.
NW 78

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE								

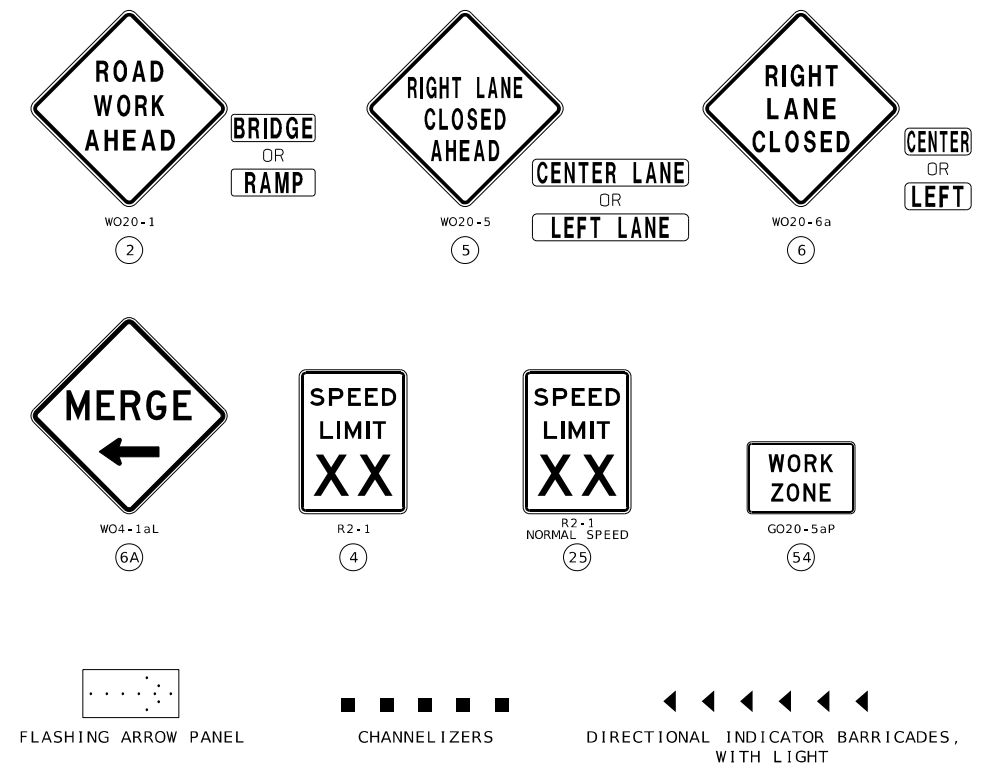
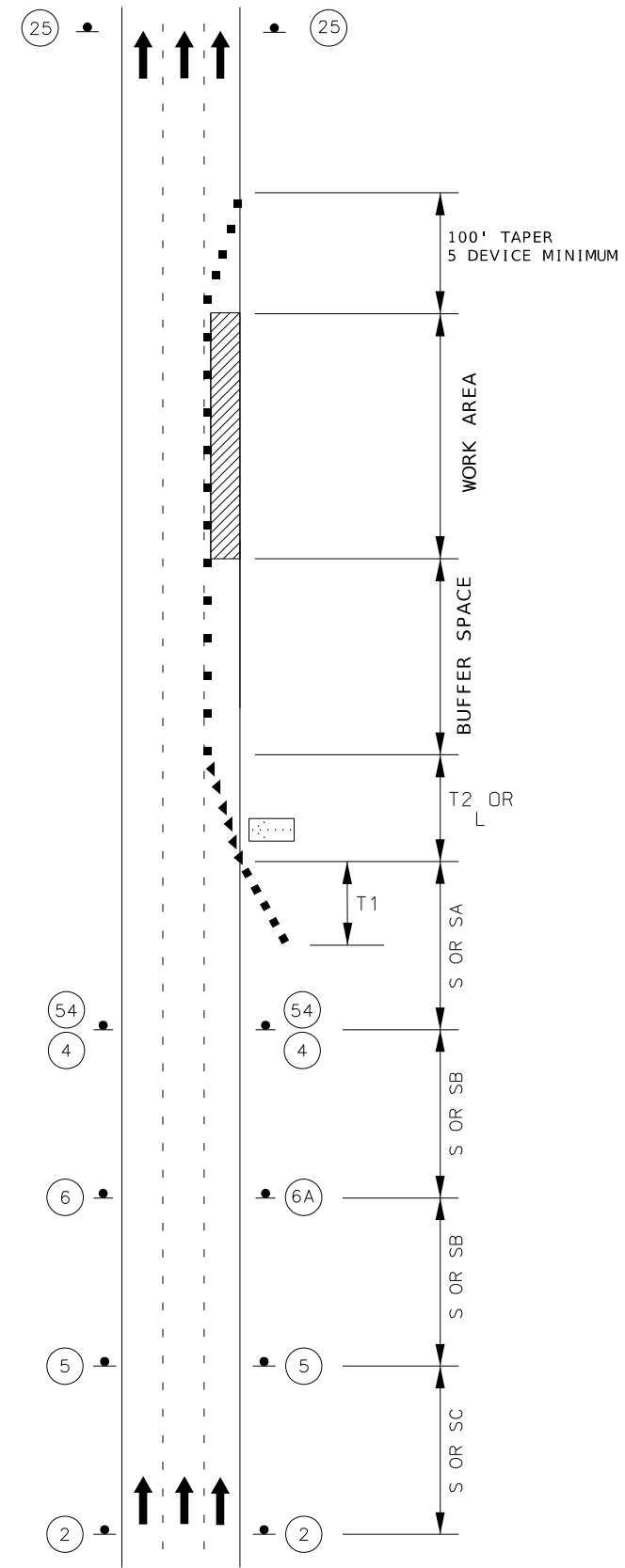
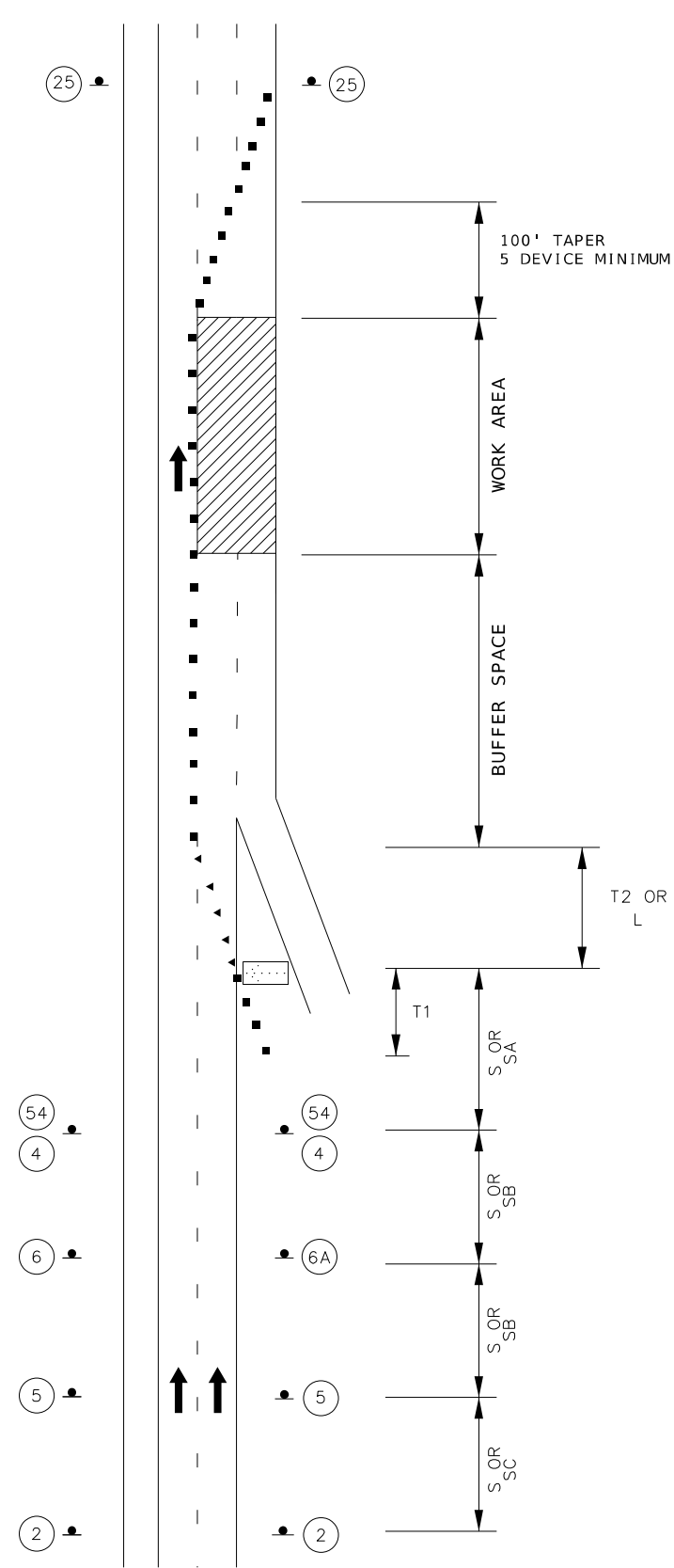
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)
MoDOT

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GEORGE BUTLER
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



NOTES :

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

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

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

SETUP
TYPE 1
SINGLE LANE
CLOSURE

TEMPORARY TRAFFIC CONTROL
TYPICAL APPLICATION
SHEET 2 OF 7



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

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 79

COUNTY
ANDREW, BUCHANAN

JOB NO.	JNWM0110
CONTRACT ID.	

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PROJECT NO.

BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

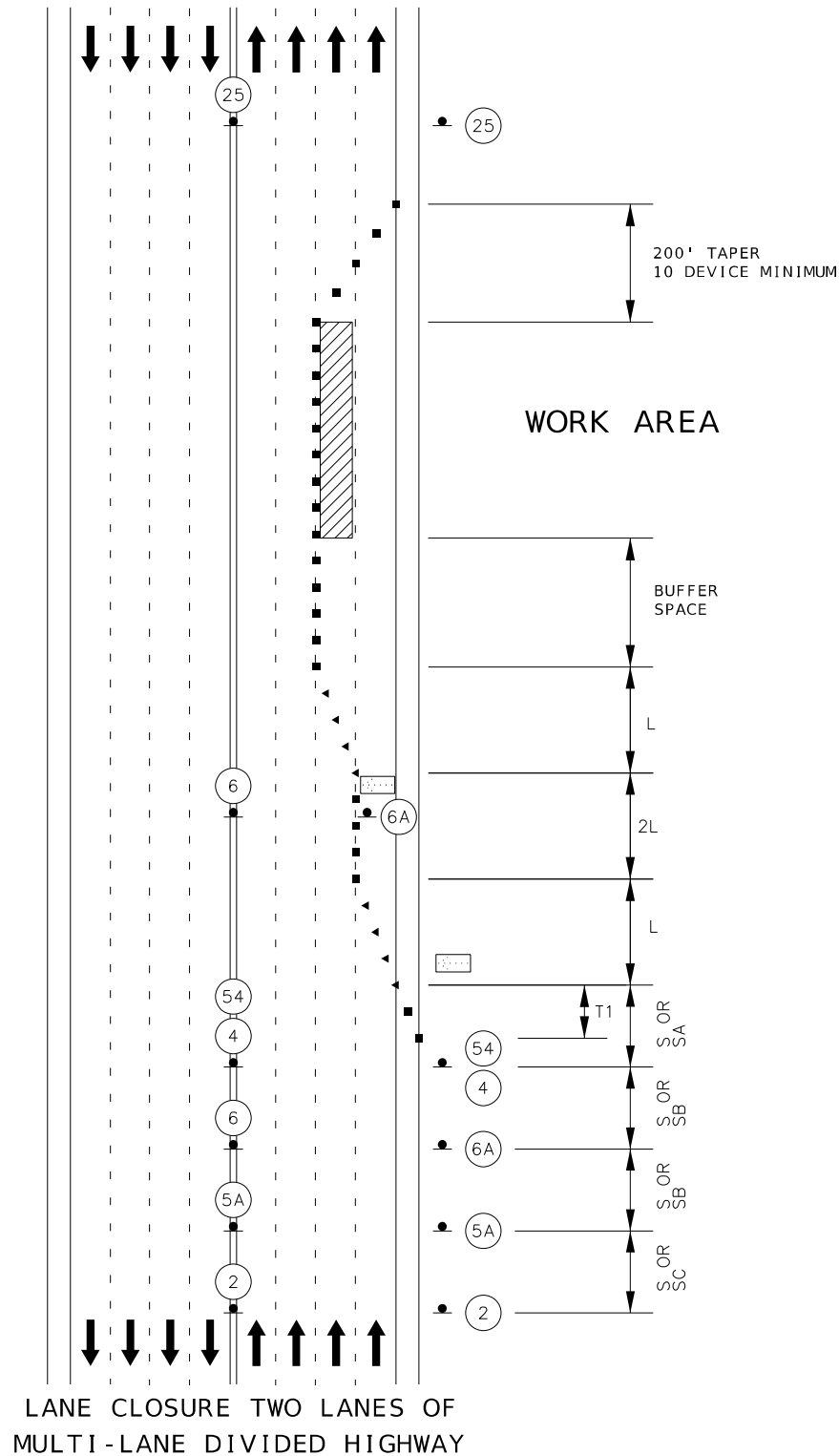
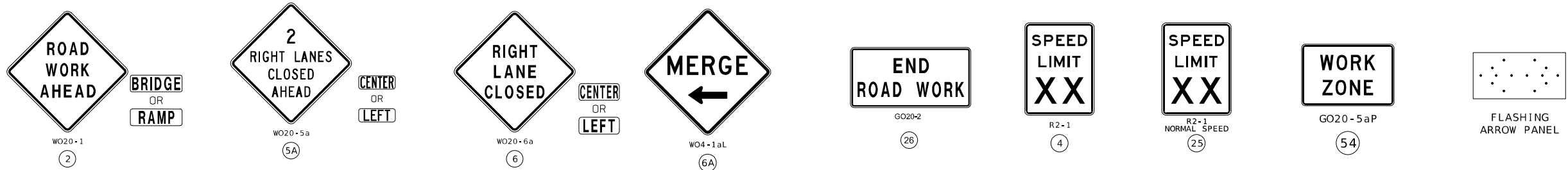


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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.



NOTES:
SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED, WHEN MORE THAN ONE FREEWAY LANE IS CLOSED, A SEPARATE ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.



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

DATE PREPARED
9/4/2025

ROUTE
VAR

STATE
MO

DISTRICT
NW

SHEET NO.
80

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

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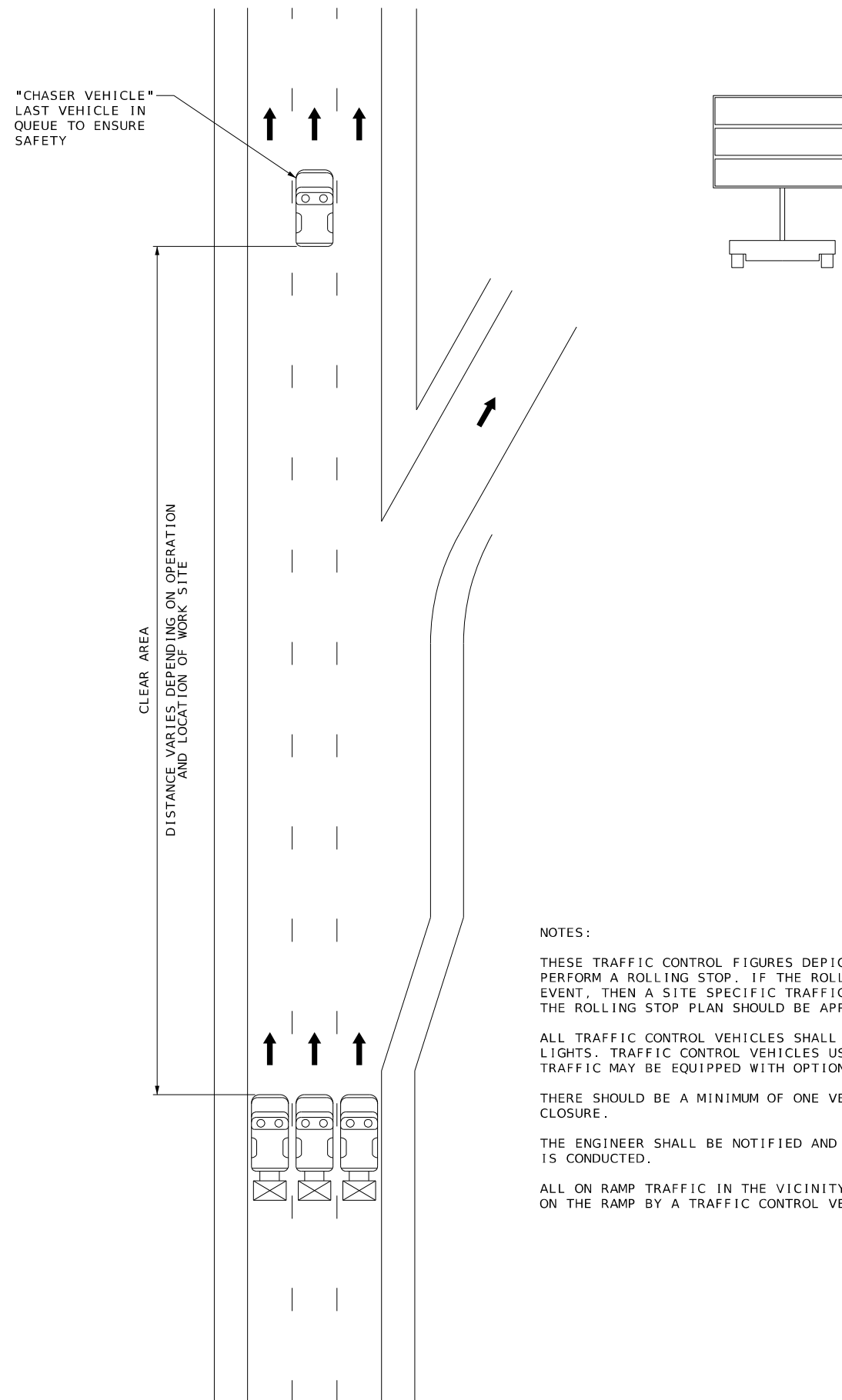
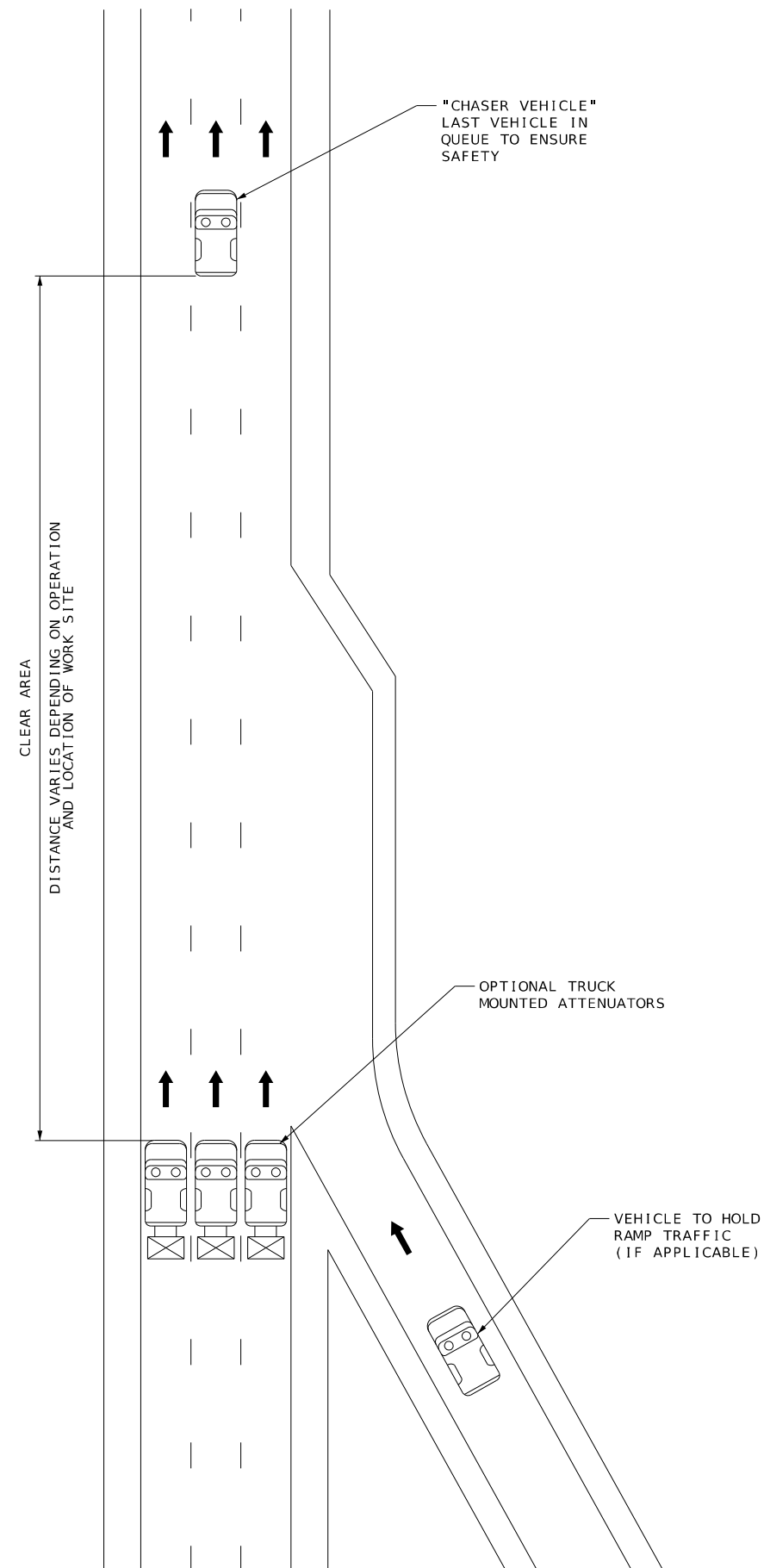
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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

SETUP
TYPE 2
DOUBLE LANE CLOSURE

TEMPORARY TRAFFIC CONTROL
TYPICAL APPLICATION
SHEET 3 OF 7



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

DATE PREPARED

9 / 4 / 2025

ROUTE	STATE
VAR	MO

DISTRICT	SHEET NO.
NW	84

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO. _____

BRIDGE NO. _____

[illegible]

**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

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

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KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

SIGN SUMMARY							EFFECTIVE: 10-01-2016
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	TYPE & SQUARE FEET			
				FLAT SHEET	FLUORESCENT	STRUCTURAL	STRUCTURAL
				SH ITEM NO. 9035004A	SHF* ITEM NO. 9035069A	ST ITEM NO. 9035011A	STF* ITEM NO. 9035071A
SIGN 1a	1	1	19'x10'			190	
SIGN 1b	1	1	8'x2.5'			20	
SIGN 1c	1	1	13'x10'			130	
SIGN 2a	1	1	8'x2.5'			20	
SIGN 2b	1	1	15'x14'			210	
SIGN 3a	1	1	13'x2.5'			32.5	
SIGN 3b	1	1	16'x14'			224	
SIGN 4a	2	1	10'x7'			70	
SIGN 4b	2	1	10'x2.5'			25	
SIGN 4c	2	1	13'x10'			130	
SIGN 4d	2	1	10'x2.5'			25	
SIGN 4e	2	1	15'x8'			120	
SIGN 5a	2	1	10'x2.5'			25	
SIGN 5b	2	1	16'x8'			128	
SIGN 6a	3	1	8'x2.5'			20	
SIGN 6b	3	1	18'x12'			216	
SIGN 7	3	1	7'x2'				14
SIGN 8a	3	1	8'x2.5'			20	
SIGN 8b	3	1	15'x13'			195	
SIGN 9a	3	1	13'x2.5'			32.5	
SIGN 9b	3	1	16'x14'			224	
SIGN 10a	4	1	9'x7'			63	
SIGN 10b	4	1	10'x2.5'			25	
SIGN 10c	4	1	13'x10'			130	
SIGN 10d	4	1	10'x2.5'			25	
SIGN 10e	4	1	16'x8'			128	
SIGN 11a	4	1	10'x2.5'			25	
SIGN 11b	4	1	16'x8'			128	
SIGN 12	5	1	11'x5'			55	
SIGN 13a	5	1	14'x7'			98	
SIGN 13b	5	1	10'x2.5'			25	
SIGN 13c	5	1	16'x10'			160	
SIGN 13d	5	1	10'x2.5'			25	
SIGN 13e	5	1	13'x10'			130	
SIGN 14a	6	1	10'x2.5'			25	
SIGN 14b	6	1	16'x8'			128	
SIGN 15a	6	1	8'x2.5'			20	
SIGN 15b	6	1	21'x14'			294	
SIGN 16	6	1	7'x2'				14
SIGN 17a	6	1	13'x2.5'			32.5	
SIGN 17b	6	1	16'x14'			224	
SIGN 18a	7	1	10'x7'			70	
SIGN 18b	7	1	10'x2.5'			25	
SIGN 18c	7	1	11'x10'			110	
SIGN 18d	7	1	10'x2.5'			25	
SIGN 18e	7	1	16'x8'			128	
SIGN 19a	7	1	10'x2.5'			25	
SIGN 19b	7	1	16'x8'			128	
SIGN 20a	8	1	18'x10'			180	
SIGN 20b	8	1	8'x2.5'			20	
SIGN 20c	8	1	13'x8'			104	
SIGN 21	8	1	7'x2'				14
SIGN 22a	8	1	7'x7'			49	
SIGN 22b	9	1	16'x10'			160	
SIGN 22c	9	1	20'x8'			160	
SIGN 23	9	1	18'x8'			144	
SIGN 24	9	1	7'x2'				14
SIGN 25	10	1	7'x2'				14
SIGN 26	10	1	7'x2'				14
SIGN 27	10	1	13'x11'			143	
SIGN 28a	10	1	13'x12'			117	39
SIGN 28b	11	1	4'x7'	28			
			SUBTOTAL -1	28	0	5385.5	123
					*ORANGE, YELLOW AND YELLOW-GREEN		

SIGN SUMMARY								EFFECTIVE: 10-01-2016	
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO.	NO. EACH	SIGN SIZE	TYPE & SQUARE FEET					
				FLAT SHEET	FLAT SHEET	STRUCTURAL	STRUCTURAL		
				SH ITEM NO. 9035004A	FLUORESCENT SHF* ITEM NO. 9035069A	ST ITEM NO. 9035011A	FLUORESCENT STF* ITEM NO. 9035071A		
SIGN 29a	11	1	15'x12'			180			
SIGN 29b	11	1	17'x10'			170			
SIGN 29c	11	1	13'x12'			117	39		
SIGN 30	12	1	14'x12'			168			
SIGN 31a	12	1	7'x7'			49			
SIGN 31b	12	1	17'x12'			204			
SIGN 31c	12	1	14'x10'			140			
W13-2(25MPH)		1	36"x48"		12				
SIGN 32a	13	1	8'x4'			32			
SIGN 32b	13	1	11'x8'			88			
SIGN 32c	13	1	15'x12'			180			
SIGN 32d	13	1	21'x12'			252			
W13-2(35MPH)		1	36"x48"		12				
SIGN 33a	14	1	11'x8'			88			
SIGN 33b	14	1	15'x10'			150			
W13-2(20MPH)		1	36"x48"		12				
SIGN 34	14	1	13'x7'			91			
SIGN 35	14	1	10'x5'			50			
SIGN 36	15	1	7'x2'				14		
SIGN 37a	15	1	7'x7'			49			
SIGN 37b	15	1	17'x10'			170			
SIGN 37c	15	1	18'x8'			144			
SIGN 38	16	1	20'x8'			160			
SIGN 39	16	1	7'x2'				14		
SIGN 40	16	1	7'x2'				14		
SIGN 41a	16	1	8'x2.5'			20			
SIGN 41b	16	1	9'x8'			72			
SIGN 42a	17	1	7'x2.5'			17.5			
SIGN 42b	17	1	13'x7'			91			
SIGN 43a	17	1	7'x2.5'			17.5			
SIGN 43b	17	1	13'x7'			91			
SIGN 44a	17	1	7'x2.5'			17.5			
SIGN 44b	17	1	12'x10'			120			
SIGN 45a	17	1	7'x2.5'			17.5			
SIGN 45b	17	1	12'x10'			120			
SIGN 46a	18	1	12'x7'			84			
SIGN 46b	18	1	9'x2.5'			22.5			
SIGN 46c	18	1	12'x10'			120			
SIGN 47a	18	1	9'x2.5'			22.5			
SIGN 47b	18	1	18'x10'			180			
SIGN 47c	18	1	9'x2.5'			22.5			
SIGN 47d	18	1	14'x8'			112			
SIGN 48a	19	1	9'x2.5'			22.5			
SIGN 48b	19	1	18'x10'			180			
SIGN 48c	19	1	9'x2.5'			22.5			
SIGN 48d	19	1	17'x6'			102			
W13-2(40MPH)		1	36"x48"		12				
SIGN 49a	19	1	17'x8'			136			
SIGN 49b	19	1	9'x2.5'			22.5			
SIGN 49c	19	1	18'x8'			144			
SIGN 50a	20	1	7'x2.5'			17.5			
SIGN 50b	20	1	14'x10'			140			
SIGN 51a	20	1	10'x4.5'			45			
SIGN 51b	20	1	17'x10'			170			
SIGN 51c	20	1	10'x2.5'			25			
SIGN 51d	20	1	16'x10'			160			
SIGN 51e	20	1	10'x2.5'			25			
SIGN 51f	20	1	20'x8'			160			
SIGN 52a	21	1	10'x4.5'			45			
SIGN 52b	21	1	17'x10'			170			
SIGN 52c	21	1	10'x2.5'			25			
SIGN 52d	21	1	16'x10'			160			
W13-2(50MPH)		2	36"x48"		24				
SUBTOTAL - 2				0	72	5401.5	81		
*ORANGE, YELLOW AND YELLOW-GREEN									

STATE OF MISSOURI

KENDRA MILLER

NUMBER
PE-2014041301

PROFESSIONAL ENGINEER

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

DATE PREPARED
9/4/2025

ROUTE
VAR

DISTRICT
NW

STATE
MO

SHEET NO.
86

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MODOT

GBA

9801 RENNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
GBAteam.com

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

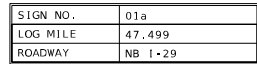
D - 30

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE - 2014041301

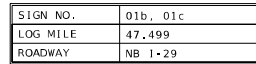
[illegible][illegible]

D - 30

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



33.875	84.875	N	133.875	O	149.375	R	162.250	T	173.375	H	184.375					
C	o	u	n	c	i	l	112.625	B	i	u	f	f	s			
23.250	39.250	55.000	72.000	87.500	103.000	112.625	131.875	149.250	158.875	174.250	184.375	194.250				
26.000	170.000															



E	X	I	T	4	3			
10,250	19,750	30,375	34,500	56,875	73,875			
55,500	113,125							
D	o	w	t	q	w	n		
17,250	34,125	47,875	68,250	82,875	94,500	108,250	128,500	
S	t	J	o	s	e	100,125	p	h
15,250	31,375	55,375	72,875	86,500	100,125	115,375	130,500	

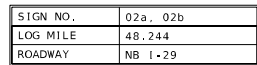


Table of letter and object lists							
E	I	I	T	A	A		
10,250	19,750	30,500	34,625	57,000	71,875		
							
40,500	94,500						
B	a	i	t	H	w	y	
19,000	40,625	59,625	69,000	99,000	121,500	144,875	
G	o	w	e	r			
44,500	65,750	82,875	106,750	125,750			
1/2	M	I	L	E			
48,500	91,625	105,750	111,250	122,625			

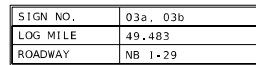
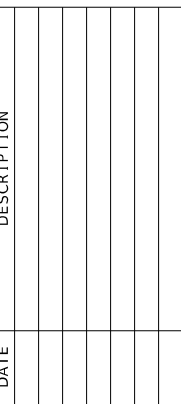
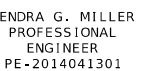


Table of letter and object lists									
E	X	I	T	S	4	6	A	-	B
11,000	20,500	31,250	35,250	44,750	67,750	84,625	104,625	121,750	133,000
78,000									
C	a	m	e	r	o	n	a	u	s
29,750	51,000	71,250	98,500	117,625	130,250	149,500			
S	J	O	E	e	e	p	h		
17,625	37,750	67,750	90,625	106,750	123,750	142,750	161,625		
I	M	I	L	E					
64,375	87,750	101,875	107,375	118,750					

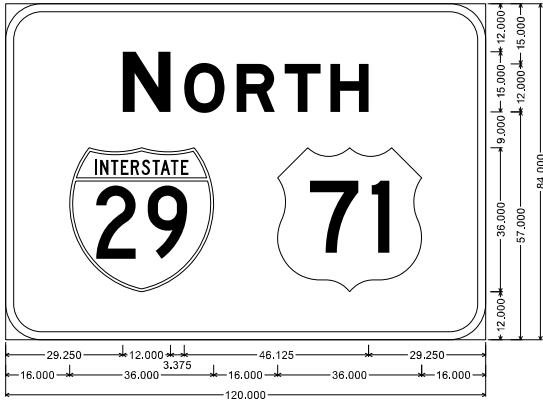


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



D - 31

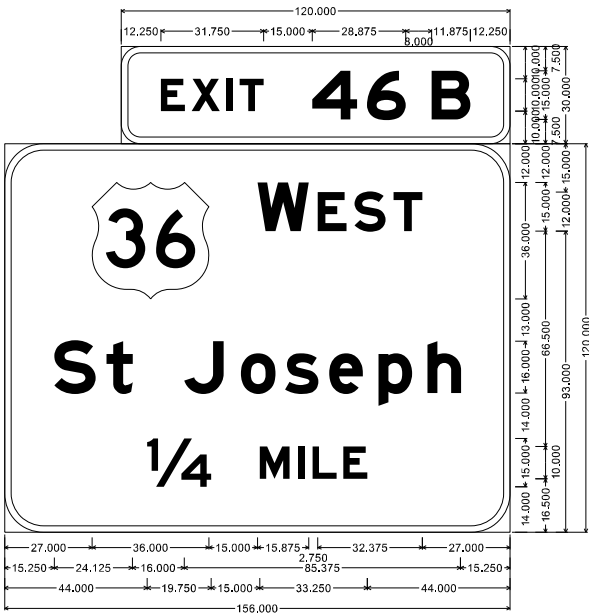
REV.



E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
"NORTH", E Mod; Interstate 29 18,000" C;
Table of letter and object lefts

N	O	R	T	H
29,250	44,625	57,750	69,750	81,250
16,000	68,000			

SIGN NO.	04a
LOG MILE	50.444
ROADWAY	NB I-29



E1-5P ST-STRUCTURAL:
6,000" Radius, 2,000" Border, White on Green;
"EXIT", E Mod; "46 B", E Mod;

E1-1 ST-STRUCTURAL:
12,000" Radius, 2,000" Border, White on Green;
"WEST", E Mod; "St Joseph", E Mod; "1/4", E Mod; "MILE", E Mod;
Table of letter and object lefts

E	X	I	T	4	6	B
12,250	21,750	32,500	36,500	59,000	75,875	95,875
27,000	78,000	96,625	108,000	120,000		
S	t	J	o	s	e	
15,250	31,375	55,375	72,875	88,500	100,125	115,375
1/4	M	I	L	E		
44,000	78,750	90,500	95,125	104,500		

SIGN NO.	04b, 04c
LOG MILE	50.444
ROADWAY	NB I-29



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

DATE PREPARED
9/4/2025

ROUTE STATE
VAR MO
DISTRICT SHEET NO.
NW 89

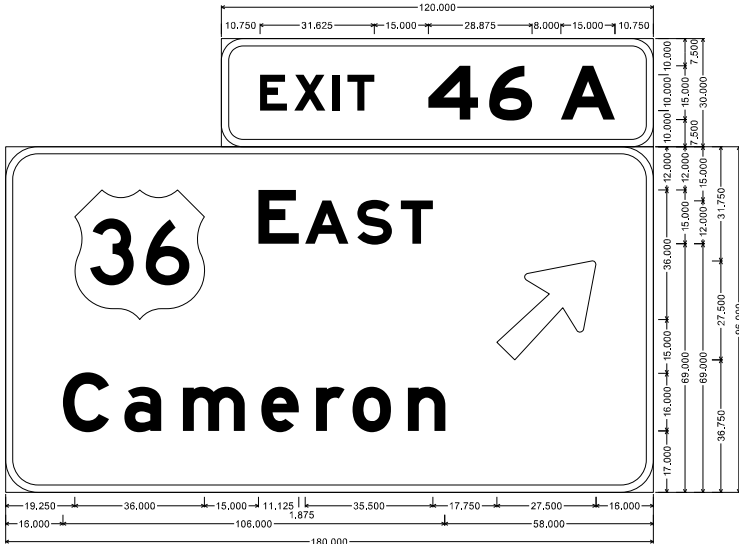
COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

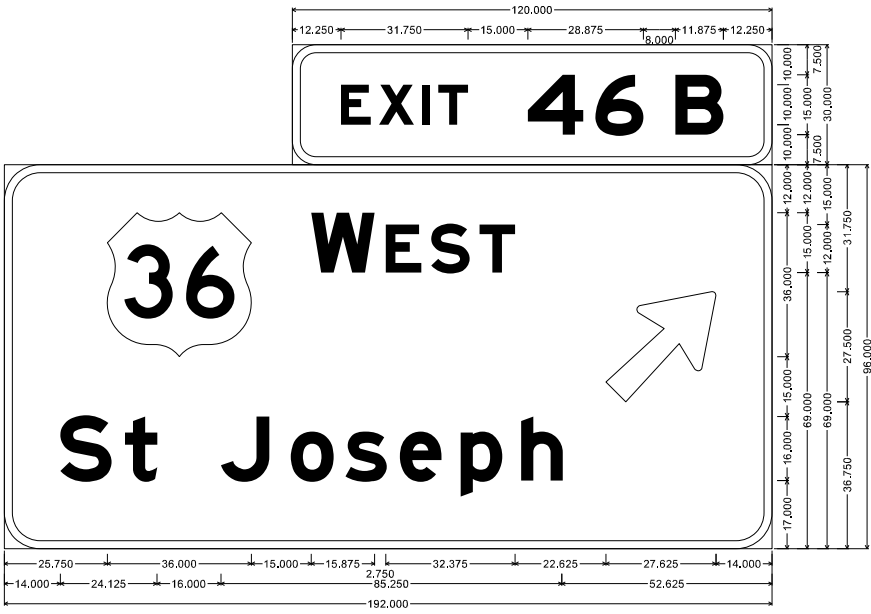


E1-5P ST-STRUCTURAL:
6,000" Radius, 2,000" Border, White on Green;
"EXIT", E Mod; "46 A", E Mod;

E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
"EAST", E Mod; "Cameron", E Mod; Arrow 150 - 35,000" 45°;
Table of letter and object lefts

E	X	I	T	4	6	A
10,750	20,250	30,875	35,000	57,375	74,375	94,250
25,750	70,250	83,250	97,750	109,750	136,500	
C	a	m	e	r	o	n
16,000	33,000	49,250	71,000	86,250	96,375	111,750

SIGN NO.	04d, 04e
LOG MILE	50.444
ROADWAY	NB I-29



E1-5P ST-STRUCTURAL:
6,000" Radius, 2,000" Border, White on Green;
"EXIT", E Mod; "46 B", E Mod;

E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
"WEST", E Mod; "St Joseph", E Mod; Arrow 160 - 35,000" 45°;
Table of letter and object lefts

E	X	I	T	4	6	B
12,250	21,750	32,500	36,500	59,000	75,875	95,875
25,750	76,750	95,375	106,750	118,750	150,375	
S	t	J	o	s	e	
14,000	30,125	54,125	71,625	85,250	98,875	114,125
						129,250

SIGN NO.	05a, 05b
LOG MILE	50.738
ROADWAY	NB I-29

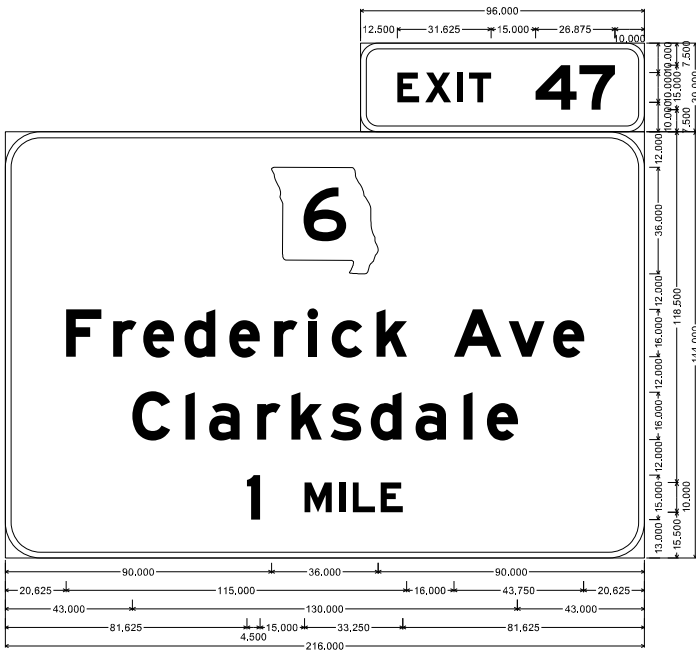


9801 REMNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
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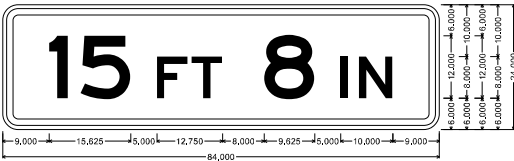
GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

D-31



SIGN NO.	06a, 06b
LOG MILE	51.399
ROADWAY	NB I-29



W15-8a SHIELD (SHEET FLUORESCENT): 3,000" Radius, 1,250" Border, 0,750" Inset, Black on Yellow: "15 FT 8 IN", E: Table of letter and object lefts											
E	S	F	T	B	I	M					
9,000	15,000	29,625	36,375	50,375	65,000	88,500					

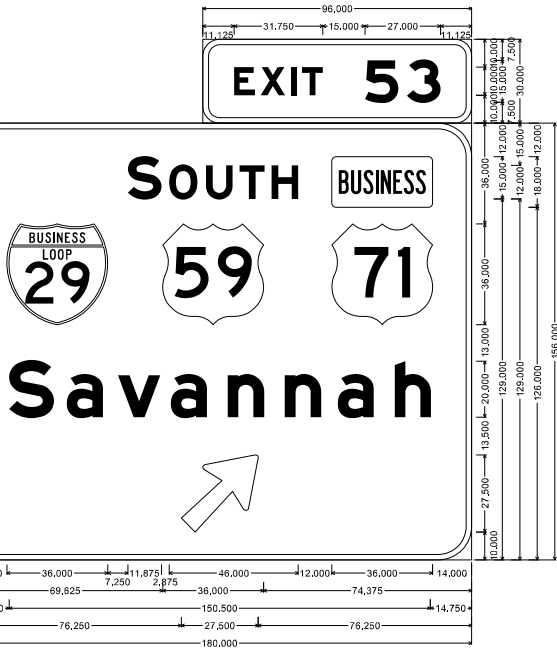
SIGN NO.	07
LOG MILE	52.593
ROADWAY	NB I-29



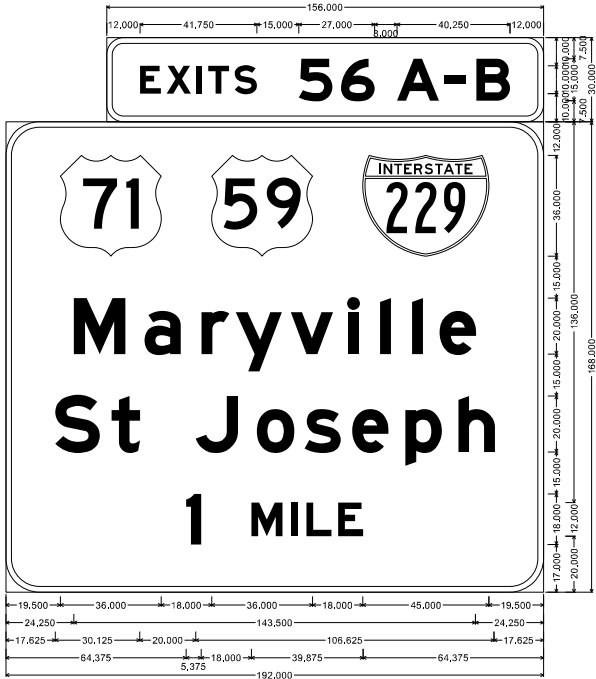
THIS SHEET HAS BEEN
SIGNED, SEALED, AND DATED
ELECTRONICALLY.

DATE PREPARED 9/4/2025	
ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 90
COUNTY ANDREW, BUCHANAN	
JOB NO. JNWM0110	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE



SIGN NO.	08a, 08b
LOG MILE	58.057
ROADWAY	NB I-29



SIGN NO.	09a, 09b
LOG MILE	60.398
ROADWAY	NB I-29

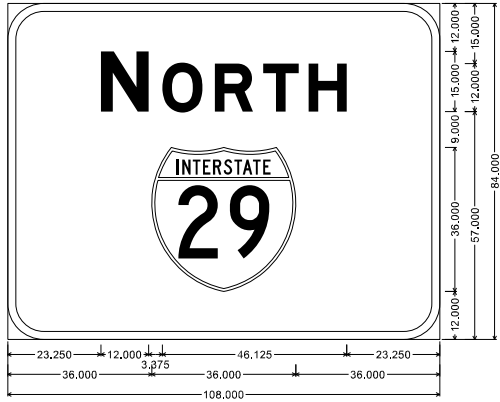


9801 REMNER BLVD.
STE. 300
LENEXA, KS 66219
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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

D-31

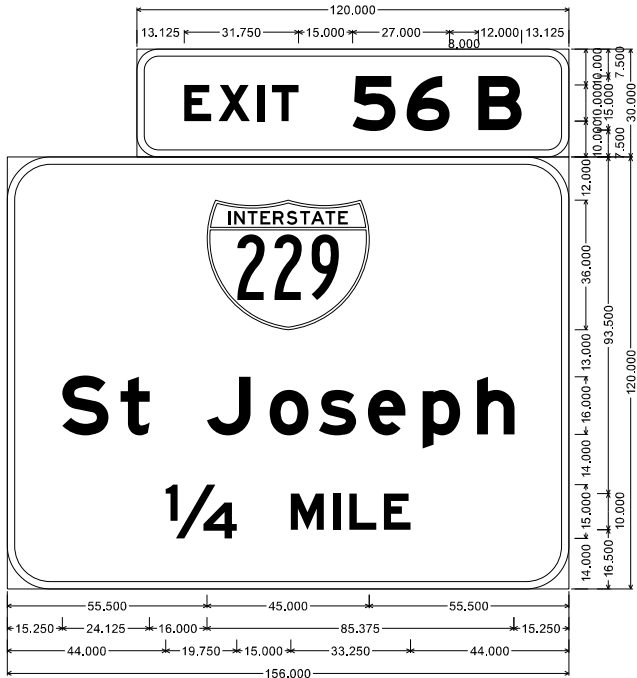


E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
"NORTH", E Mod; Interstate 29 18,000" C;
Table of letter and object lefts

N	O	R	T	H
23,250	38,625	51,750	63,750	75,250

36,000

SIGN NO.	10a
LOG MILE	61.365
ROADWAY	NB I-29



E1-5P ST-STRUCTURAL:
6,000" Radius, 2,000" Border, White on Green;
"EXIT", E Mod; "56 B", E Mod;
E1-1 ST-STRUCTURAL:
12,000" Radius, 2,000" Border, White on Green;
Interstate 229 18,000" B; "St Joseph", E Mod; "1/4", E Mod; "MILE", E Mod;
Table of letter and object lefts

E	X	I	T	5	6	B
13,125	22,625	33,375	37,500	59,875	74,875	94,875

13,125	55,500
--------	--------

S	t	J	o	s	e	p	h
15,250	31,375	55,375	72,875	86,500	100,125	115,375	130,500

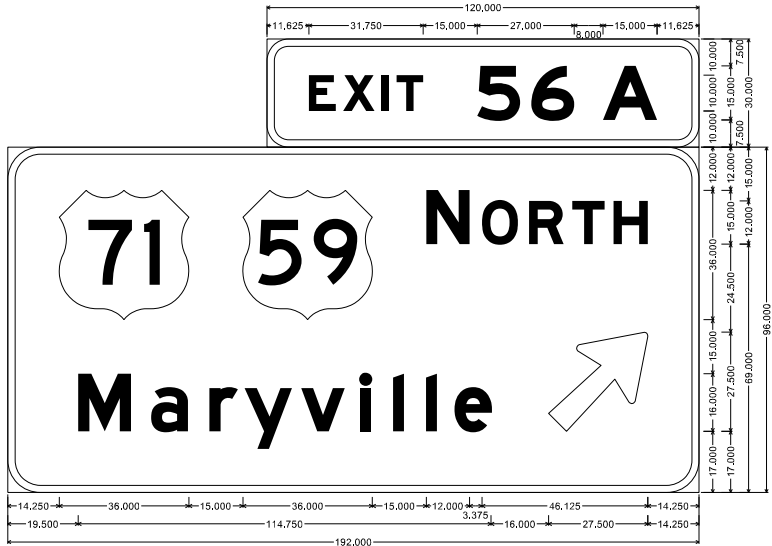
1/4	M	I	L	E
44,000	78,750	90,500	95,125	104,500

SIGN NO.	10b, 10c
LOG MILE	61.365
ROADWAY	NB I-29



THIS SHEET HAS BEEN
SIGNED, SEALED, AND DATED
ELECTRONICALLY.
DATE PREPARED
9/4/2025
ROUTE STATE
VAR MO
DISTRICT SHEET NO.
NW 91
COUNTY
ANDREW, BUCHANAN
JOB NO.
JNWM0110
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION



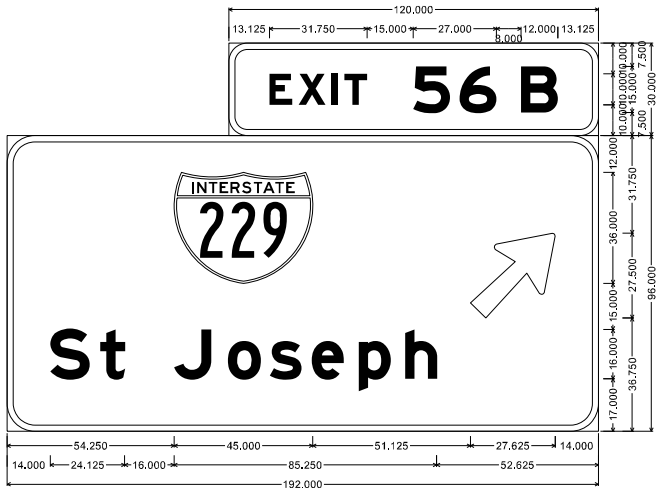
E1-5P ST-STRUCTURAL:
6,000" Radius, 2,000" Border, White on Green;
"EXIT", E Mod; "56 A", E Mod;
E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
"NORTH", E Mod; "Maryville", E Mod; Arrow 160 - 35,000" 45°;
Table of letter and object lefts

E	X	I	T	5	6	A
11,625	21,125	31,875	35,875	58,375	73,375	93,375

14,250	65,250	116,250	131,625	144,750	156,750	168,250
--------	--------	---------	---------	---------	---------	---------

M	a	r	y	v	i	l	e
19,500	39,750	56,000	65,750	81,500	97,875	107,000	116,125

SIGN NO.	10d, 10e
LOG MILE	61.365
ROADWAY	NB I-29



E1-5P ST-STRUCTURAL:
6,000" Radius, 2,000" Border, White on Green;
"EXIT", E Mod; "56 B", E Mod;
E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
Interstate 229 18,000" B; "St Joseph", E Mod; Arrow 160 - 35,000" 45°;
Table of letter and object lefts

E	X	I	T	5	6	B
13,125	22,625	33,375	37,500	59,875	74,875	94,875

54,250	150,375
--------	---------

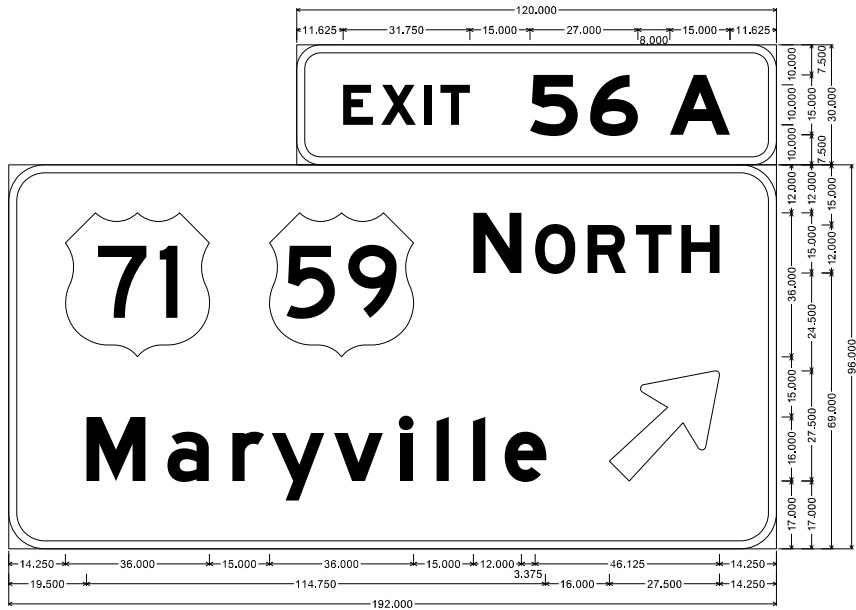
S	t	J	o	s	e	p	h
14,000	30,125	54,125	71,625	85,250	98,875	114,125	129,250

SIGN NO.	11a, 11b
LOG MILE	61.708
ROADWAY	NB I-29

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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9801 REMNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
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GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

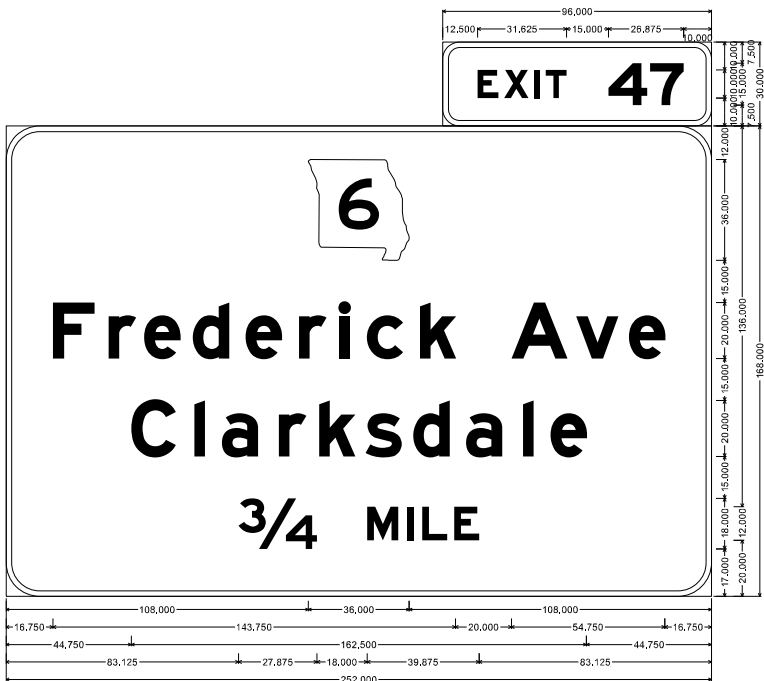


SIGN NO.	14a, 14b
LOG MILE	67.460
ROADWAY	SB I-29

E1-5P ST-STRUCTURAL:
6,000" Radius, 2,000" Border, White on Green;
"EXIT", E Mod; "56 A", E Mod;

E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
"NORTH", E Mod; "Maryville", E Mod; Arrow 160 - 35,000" 45";

Table of letter and object lefts									
E	X	I	T	S	6	A			
11,625	21,125	31,875	35,875	58,375	73,375	93,375			
N	O	R	T	H					
14,250	65,250	116,250	131,625	144,750	156,750	168,250			
M	a	r	y	v	i	l	e	↑	↗
19,500	39,750	56,000	65,750	81,500	97,875	107,000	116,125	124,000	150,250

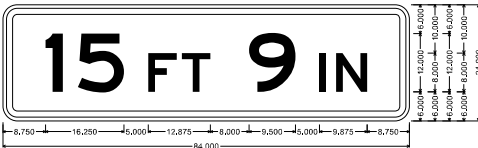


SIGN NO.	15a, 15b
LOG MILE	75.199
ROADWAY	SB I-29

E1-5P ST-STRUCTURAL:
6,000" Radius, 2,000" Border, White on Green;
"EXIT", E Mod; "47", E Mod;

E1-1 ST-STRUCTURAL:
12,000" Radius, 2,000" Border, White on Green;
State Highway 6 3 18,000" E: "Frederick Ave", E Mod; "Clarksdale", E Mod; "3/4", E Mod; "MILE", E Mod;

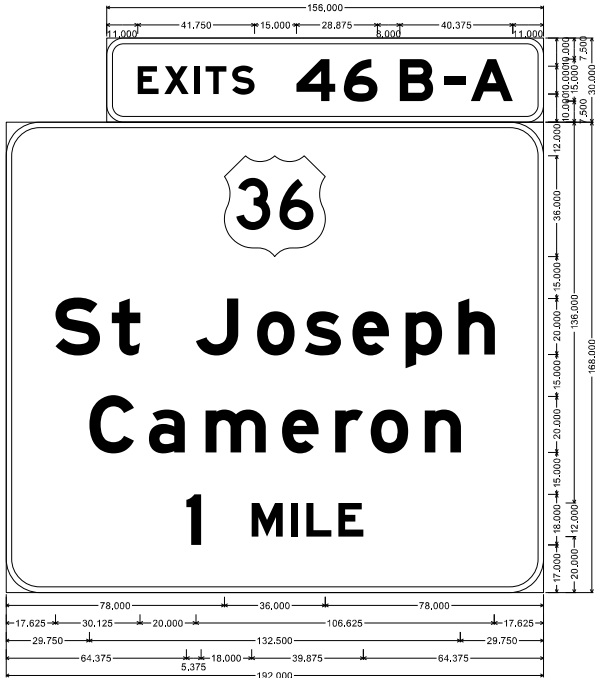
Table of letter and object lefts									
E	X	I	T	4	7				
12,500	22,000	32,750	36,750	59,125	74,000				
F	r	e	d	e	r	i	c	k	A
16,750	36,625	49,250	66,750	85,625	104,625	119,000	128,875	147,875	180,500
C	l	a	r	k	s	d	a	l	e
44,750	67,250	77,125	97,500	111,875	128,375	145,375	164,375	184,625	194,500
3/4	M	I	L	E					
83,125	129,000	143,125	148,625	160,000					



W12x9 SHIP-LAT SHEET FLUORESCENT;
3,000" Radius, 1,250" Border, 0.750" Indent, Black on Yellow;
"15 FT 9 IN", E;

Table of letter and object lefts				
I	S	T	9	I
6,750	15,375	30,000	37,000	50,875

SIGN NO.	16
LOG MILE	75.771
ROADWAY	SB I-29



SIGN NO.	17a, 17b
LOG MILE	76.840
ROADWAY	SB I-29

E1-5P ST-STRUCTURAL:
6,000" Radius, 2,000" Border, White on Green;
"EXITS", E Mod; "46 B-A", E Mod;

E1-1 ST-STRUCTURAL:
12,000" Radius, 2,000" Border, White on Green;
"St Joseph", E Mod; "Cameron", E Mod; "1", E Mod; "MILE", E Mod;

E	X	I	T	S	4	6	B	-	A
11,000	20,500	31,250	35,250	44,750	67,750	84,625	104,625	120,375	130,000
78,000									
S	t	J	o	s	e	p	h		
17,625	37,750	67,750	89,625	106,750	123,750	142,750	161,625		
C	a	m	e	r	o	n			
29,750	51,000	71,250	88,500	117,625	130,250	149,500			
1	M	I	L	E					
64,375	87,750	101,875	107,375	118,750					



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DATE PREPARED
9/4/2025

ROUTE
VAR
DISTRICT
NW
COUNTY
ANDREW, BUCHANAN
JOB NO.
JNWM0110
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DESCRIPTION

DATE					

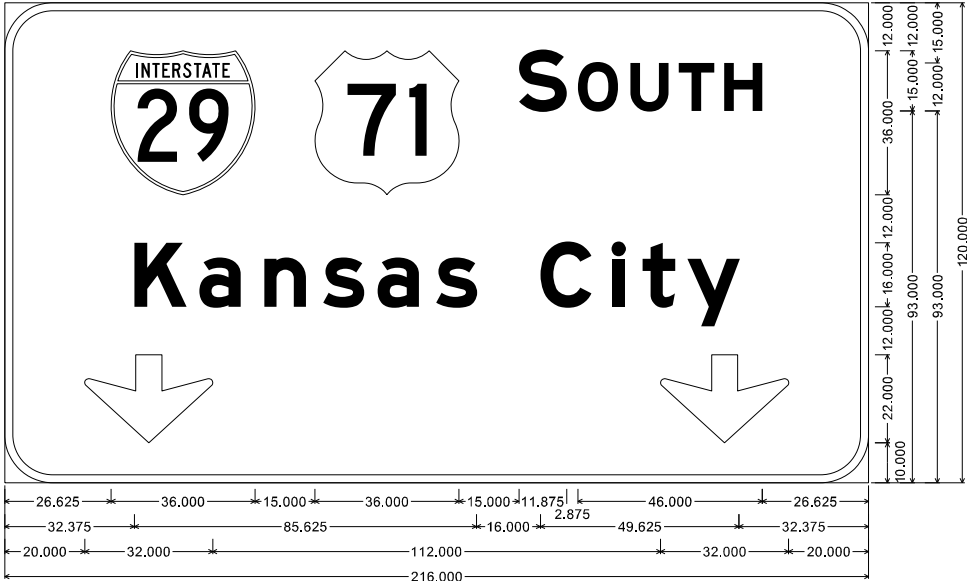
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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9801 REMNER BLVD.
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GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

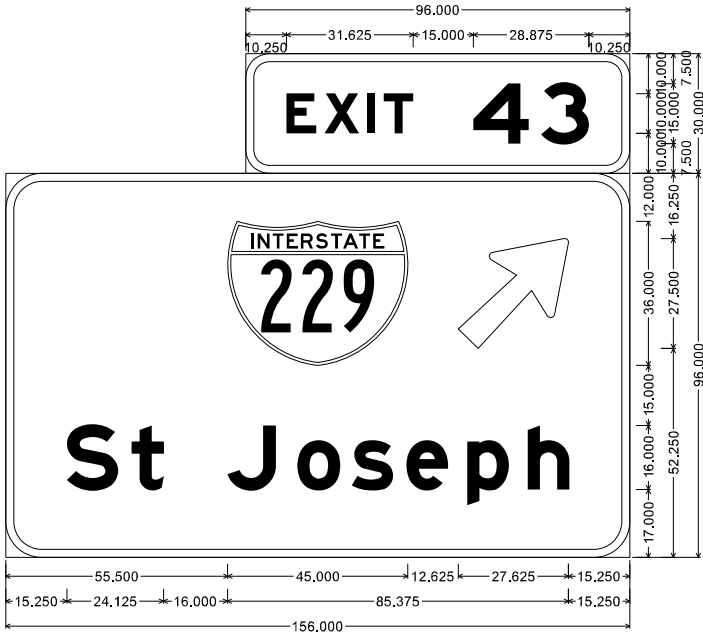
D-31



SIGN NO.	20a
LOG MILE	80.717
ROADWAY	SB I-29

E1-1 ST-STRUCTURAL:
12.000" Radius, 2.000" Border, White on Green;
Interstate 29 18.000" C; "SOUTH", E Mod; "Kansas City", E Mod; Down Arrow 22.000" 270°; Down Arrow 22.000" 270°;
Table of letter and object lefts

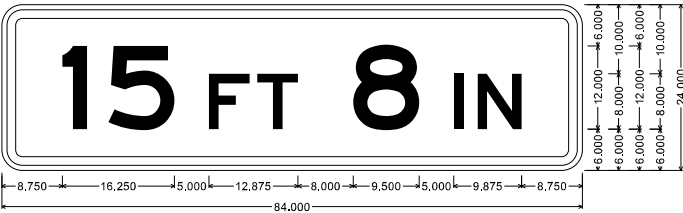
26.625	77.625	128.625	143.375	156.375	168.500	179.875
K	a	n	s	a	s	C
32.375	48.625	64.875	79.625	93.250	107.875	134.000
I	5	F	T	8	I	N
8.750	15.375	30.000	37.000	50.875	65.375	68.875



SIGN NO.	20b, 20c
LOG MILE	80.717
ROADWAY	SB I-29

E1-5P ST-STRUCTURAL:
6.000" Radius, 2.000" Border, White on Green;
"EXIT", E Mod; "43", E Mod;
E1-1 ST-STRUCTURAL:
9.000" Radius, 2.000" Border, White on Green;
Interstate 229 18.000" B; Arrow 160 - 35.000" 45°; "St Joseph", E Mod;
Table of letter and object lefts

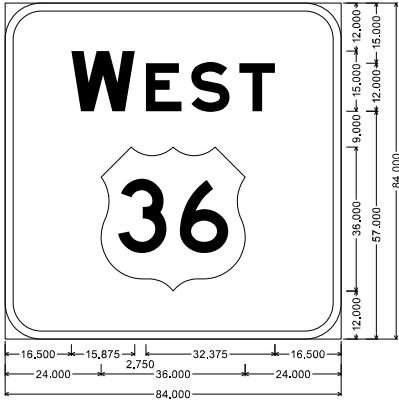
E	X	I	T	4	3
10.250	19.750	30.375	34.500	56.875	73.875
55.500	113.125				
S	t	J	o	s	e
15.250	31.375	55.375	72.875	86.500	100.125
P	h				
115.375	130.500				



SIGN NO.	21
LOG MILE	80.925
ROADWAY	SB I-29

W12-2a SHF-FLAT SHEET FLUORESCENT:
3.000" Radius, 1.250" Border, 0.750" Indent, Black on Yellow;
"15 FT 8 IN", E;
Table of letter and object lefts

I	5	F	T	8	I	N
8.750	15.375	30.000	37.000	50.875	65.375	68.875



SIGN NO.	22a
LOG MILE	188.591
ROADWAY	WB US-36

E1-1 ST-STRUCTURAL:
9.000" Radius, 2.000" Border, White on Green;
"WEST", E Mod;
Table of letter and object lefts

W	E	S	T
16.500	35.125	46.500	58.500
24.000			



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

DATE PREPARED 9/4/2025	
ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 95
COUNTY ANDREW, BUCHANAN	
JOB NO. JNWM0110	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

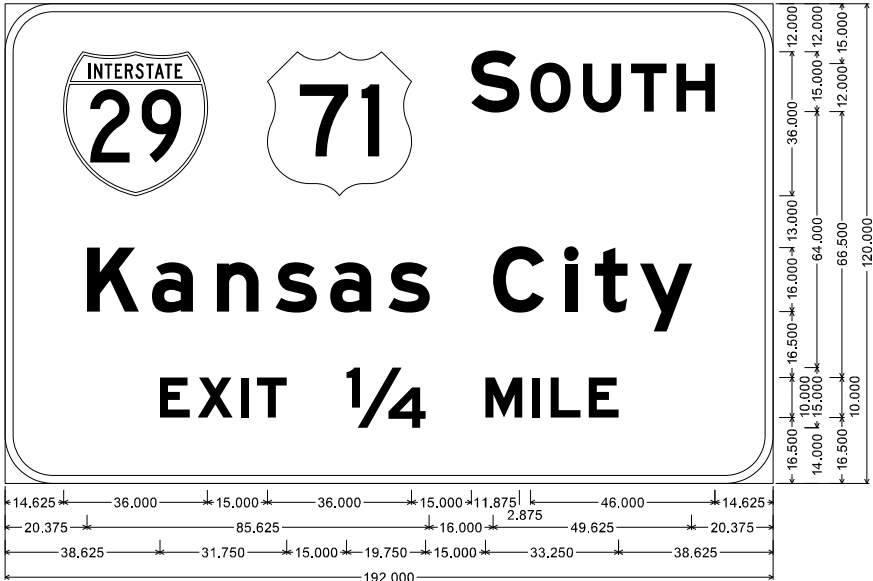
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA

9801 RENNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
GBAteam.com

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

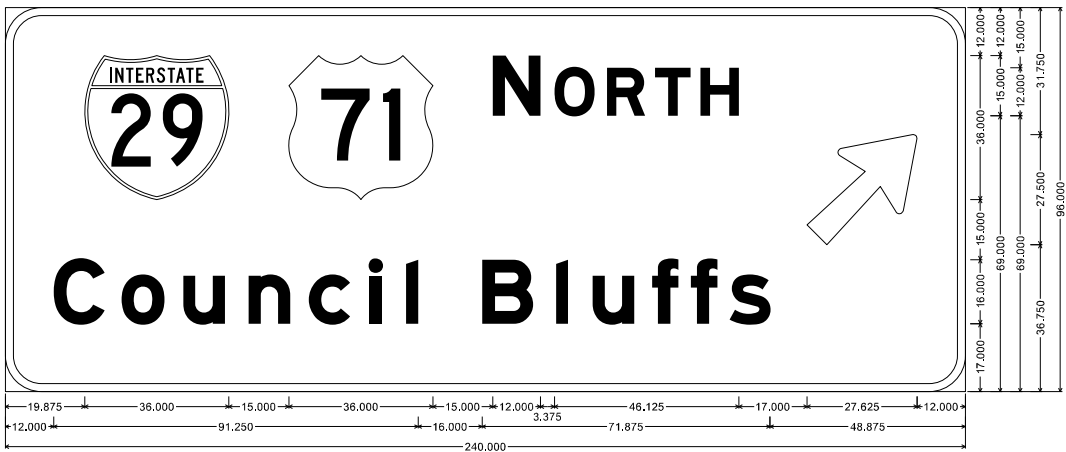
KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



SIGN NO.	22b
LOG MILE	188.591
ROADWAY	WB US-36

E1-1 ST-STRUCTURAL:
12,000" Radius, 2,000" Border, White on Green;
Interstate 29 18,000" C; "SOUTH", E Mod; "Kansas City", E Mod; "EXIT", E Mod; "1/4", E Mod;
"MILE", E Mod;

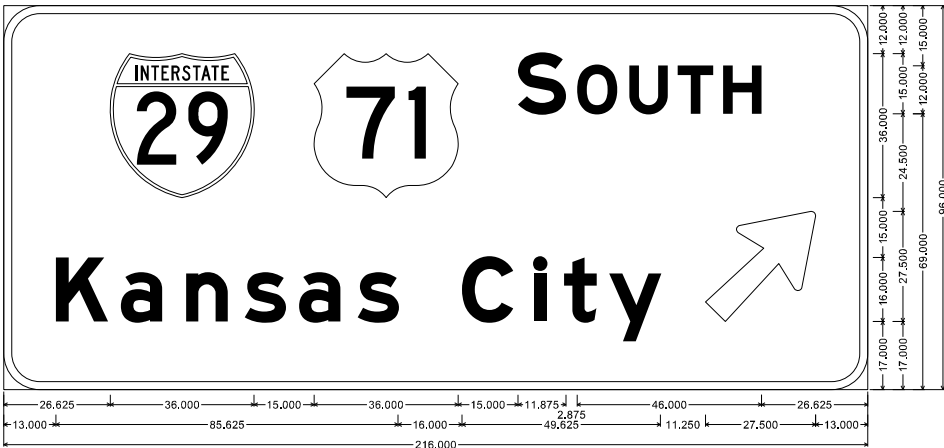
Table of letter and object lefts											
14.625	65.625	116.625	131.375	144.375	156.500	167.875					
20.375	36.625	52.875	67.625	81.250	95.875	122.000	140.000	147.500	158.750		
38.625	48.125	58.875	63.000	85.375	120.125	131.875	136.375	145.875			



SIGN NO.	22c
LOG MILE	188.591
ROADWAY	WB US-36

E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
Interstate 29 18,000" C; "NORTH", E Mod; "Council Bluffs", E Mod; Arrow 160 - 35,000" 45°;

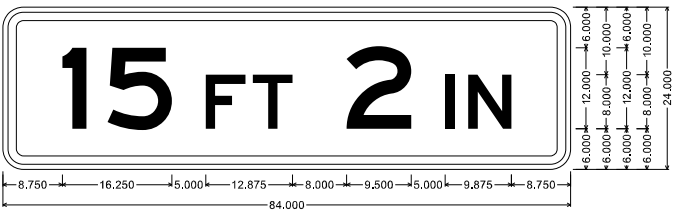
Table of letter and object lefts											
19.875	70.875	121.875	137.250	150.375	162.375	173.750	200.375				
12.000	29.000	44.500	60.750	75.875	91.000	100.250	119.250	137.625	146.750	161.625	171.375



SIGN NO.	23
LOG MILE	188.793
ROADWAY	WB US-36

E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
Interstate 29 18,000" C; "SOUTH", E Mod; "Kansas City", E Mod; Arrow 160 - 35,000" 45°;

Table of letter and object lefts											
26.625	77.625	128.625	143.375	156.375	168.500	179.875					
13.000	29.250	45.500	60.250	73.875	88.500	114.625	132.625	140.125	151.250	175.500	



SIGN NO.	24
LOG MILE	188.793
ROADWAY	WB US-36

W12-2a SHF-FLAT SHEET FLUORESCENT;
3,000" Radius, 1,250" Border, 0.750" Indent, Black on Yellow;
"15 FT 2 IN", E;

Table of letter and object lefts											
8.750	15.375	30.000	37.000	50.875	65.375	68.875					



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

DATE PREPARED
9/4/2025

ROUTE STATE
VAR MO

DISTRICT SHEET NO.
NW 96

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

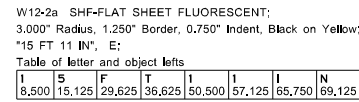
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



9801 REMNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
GBAteam.com

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

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



Technical drawing of a rectangular sign with dimensions and spacing. The sign is labeled "15 FT 7 IN". The overall dimensions are 84.000 (width) by 24.000 (height). The sign has a double-line border. The text "15 FT" is on the left and "7 IN" is on the right. The spacing between the text and the border is 8.750 on the left and right sides, and 16.250 on the top and bottom sides. The spacing between the two text elements is 5.000. The overall width is 84.000 and the overall height is 24.000.

DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 97

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

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KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

REV.

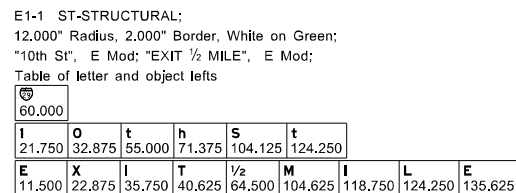


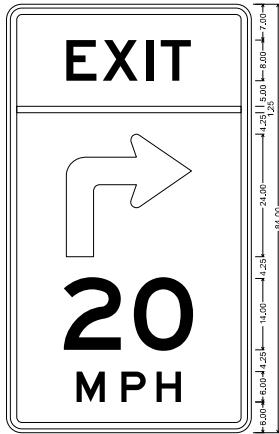
Diagram of a highway sign for North Downtown Exit 59. The sign is rectangular with a black border. It features the word "NORTH" at the top, followed by a shield-shaped sign with "INTERSTATE 229" and another shield-shaped sign with "59". Below these is the word "Downtown" in large letters. At the bottom, it says "EXIT" followed by a right-turn arrow and "ONLY". Dimensions are provided for the sign's overall size and the spacing between elements.

SIGN NO.	28a
LOG MILE	192.200
ROADWAY	WB US-36

E1-1 ST-STRUCTURAL;
12.000" Radius, 2.000" Border, White on Green;
"NORTH", E Mod; Interstate 229 18.000" B; "Downtown", E Mod;

STF-STRUCTURAL FLUORESCENT;
12.000" Radius, 2.000" Border, Black on Yellow;
"EXIT", E Mod; " " White, E Mod; "ONLY", E Mod;

Table of letter and object lists										
N	O	R	T	H						
47.250	62.625	75.750	87.750	99.250						
										
28.500	91.500									
D	o	w	n	t	o	w	n			
17.250	34.125	47.875	68.250	82.875	94.500	108.250	128.500			
										
E	X	I	T		O	N	L	Y		
12.000	23.375	36.250	41.125	59.375	100.000	113.125	125.750	135.500		
										



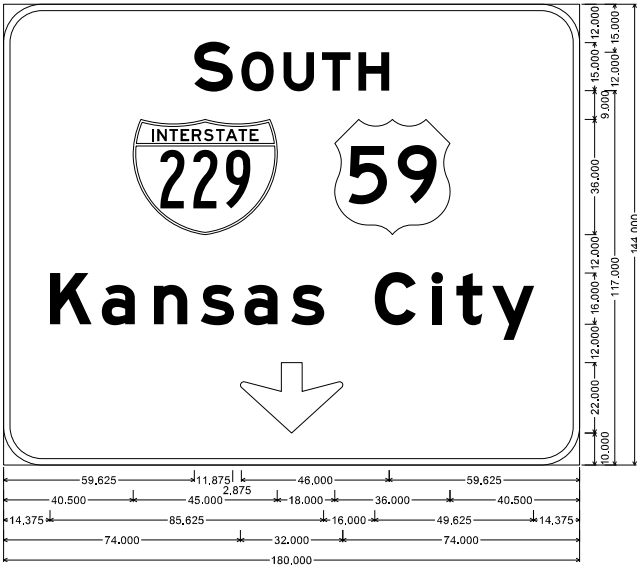
3,00" Radius, 1,25" Border, 0,75" Indent, Black on Yellow:
"EXIT", E: "20", E: "MPH", E: 200% spacing;
Table of letter and object lefts

E	X	I	T
11,75	18,80	27,50	30,25

2	0
11,25	25,00

M	P	H
13,75	22,50	29,38

SIGN NO.	28b
LOG MILE	192.200
ROADWAY	WB US-36



E1-1 ST-STRUCTURAL:
12,000" Radius, 2,000" Border, White on Green:
"SOUTH", E Mod; Interstate 229 18,000" B: "Kansas City", E Mod; Down Arrow 22,000" 270°;
Table of letter and object lefts

S	O	U	T	H
59,625	74,375	87,375	99,500	110,875

40,500	103,500
--------	---------

K	a	n	s	a	s	C	i	t	y
14,375	30,625	46,875	61,625	75,250	89,875	116,000	134,000	141,500	152,750

74,000

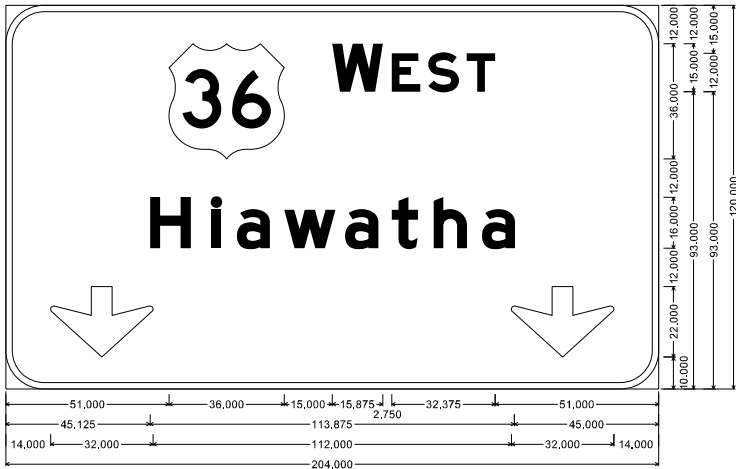
SIGN NO.	29a
LOG MILE	192.290
ROADWAY	WB US-36



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

DATE PREPARED 9/4/2025	
ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 98
COUNTY ANDREW, BUCHANAN	
JOB NO. JNWM0110	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE



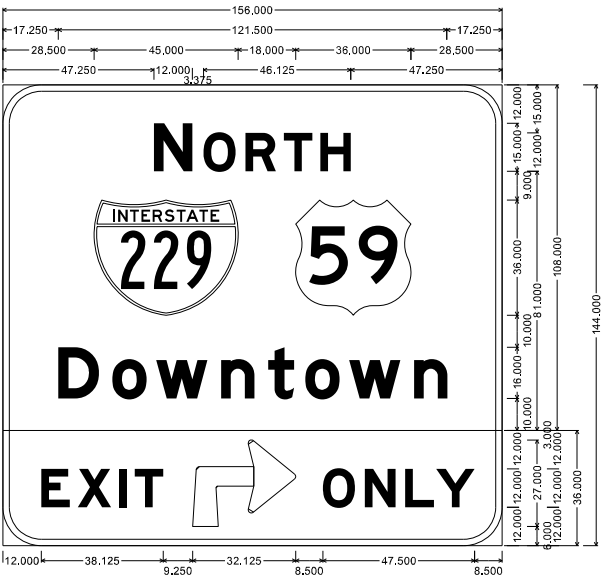
E1-1 ST-STRUCTURAL:
12,000" Radius, 2,000" Border, White on Green:
"WEST", E Mod; "Hiawatha", E Mod; Down Arrow 22,000" 270°; Down Arrow 22,000" 270°;
Table of letter and object lefts

W	E	S	T
51,000	102,000	120,625	132,000

H	i	a	w	a	t	h	a
45,125	64,250	72,250	87,000	106,125	120,625	133,750	148,750

14,000

SIGN NO.	29b
LOG MILE	192.290
ROADWAY	WB US-36



E1-1 ST-STRUCTURAL:
12,000" Radius, 2,000" Border, White on Green:
"NORTH", E Mod; Interstate 229 18,000" B: "Downtown", E Mod;
STF-STRUCTURAL FLUORESCENT:
12,000" Radius, 2,000" Border, Black on Yellow:
"EXIT", E Mod; "ONLY", E Mod;
Table of letter and object lefts

N	O	R	T	H
47,250	62,625	75,750	87,750	99,250

28,500	91,500
--------	--------

D	o	w	n	t	o	w	n
17,250	34,125	47,875	68,250	82,875	94,500	108,250	128,500

E	x	i	t	o	n	l	y
12,000	23,375	36,250	41,125	59,375	100,000	113,125	125,750

SIGN NO.	29c
LOG MILE	192.290
ROADWAY	WB US-36

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

GBA

9801 REMNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
GBAteam.com

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

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

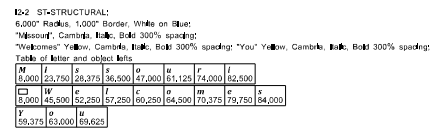
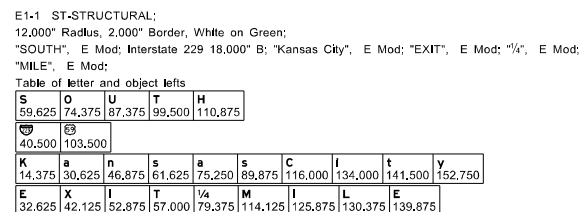


Diagram of a rectangular highway shield with a black border. Inside, the number "36" is in a smaller shield on the left, and the word "EAST" is in large, bold, sans-serif capital letters on the right. Below this, the word "Cameron" is in even larger, bold, sans-serif capital letters. To the right of the shield, there are vertical dimension lines with tick marks and numerical values: 17,000, 16,000, 69,000, 15,000, 36,000, 15,000, 12,000, and 15,000. Below the shield, there are horizontal dimension lines with tick marks and numerical values: 16,250, 36,000, 15,000, 11,125, 1,875, 35,500, 16,250, 13,000, 106,000, and 132,000.

E1-1 ST-STRUCTURAL;
9,000" Radius, 2,000" Border, White on Green;
"EAST", E Mod; "Cameron", E Mod;
Table of letter and object lefts

Table	E	A	S	T		
16.250	67.250	80.250	94.750	106.750		
C	a	m	e	r	o	n
13.000	30.000	46.250	68.000	83.250	93.375	108.875



E1-1 ST-STRUCTURAL:

12.000" Radius, 2.000" Border, White on Green:

"NORTH", E Mod; Interstate 229 18.000" B; State Highway 759 4 18.000" B; Arrow 160 - 35.000" 45°, "Stockyards Expwy", E Mod 95% spacing;

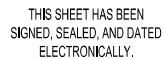
"Downtown", E Mod 155% spacing;

Table of letter and object lefts

N	O	R	T	H	W	S
41,000	56,375	69,500	81,500	92,875	139,250	202,250
22,250	68					

S	T	C	G	Y	A	R	I	D	S	E	X	P	W	Y
12,000	875	39,375	53,125	68,000	81,125	37,000	113,000	123,000	137,500	162,750	178,500	195,375	208,625	227,125

D	O	E	W	N	T	O	A	N
66,000	82,625	96,250	116,250	130,750	142,125	155,750	175,875	



ROUTE VAR	STATE MO
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DISTRICT NW	SHEET NO 100
----------------	-----------------

COUNTY
ANDREW, BUCHANA

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO. _____

BRIDGE NO. _____

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

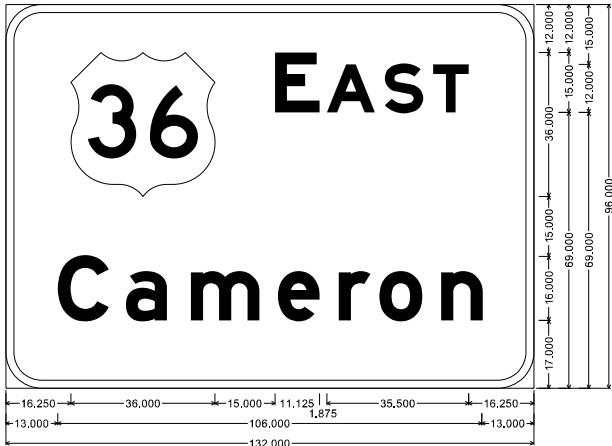
105 WEST CAPITOL
JEFFERSON CITY, MO 65102



9801 RENNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
GBAteam.com

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

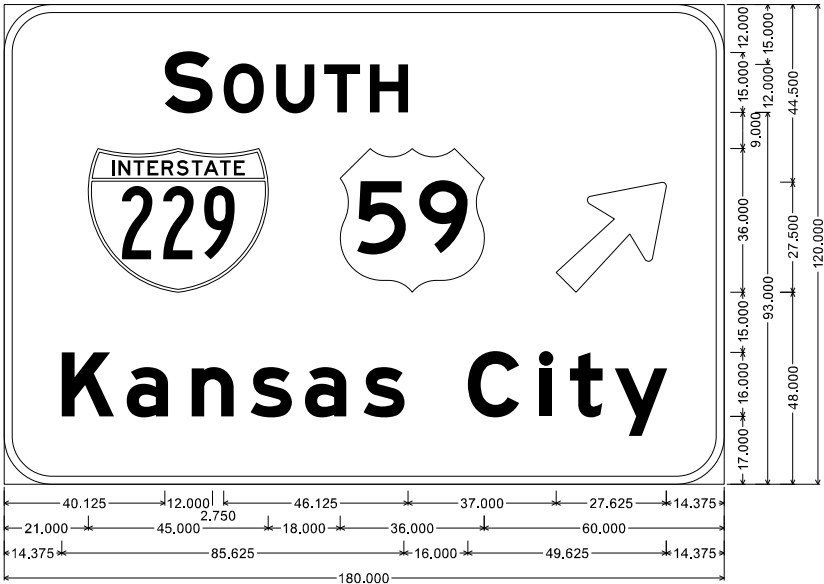
KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
"EAST", E Mod; "Cameron", E Mod;
Table of letter and object lefts

16,250	67,250	80,250	94,750	106,750
13,000	30,000	46,250	68,000	83,250
13,000	30,000	46,250	68,000	83,250
13,000	30,000	46,250	68,000	83,250

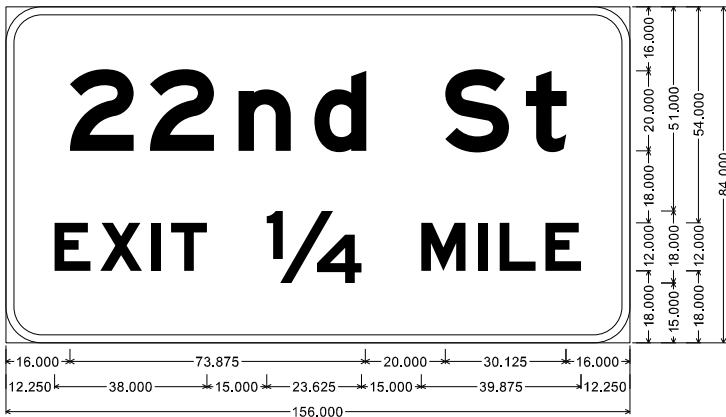
SIGN NO.	33a
LOG MILE	0.257
ROADWAY	EB US-36



E1-1 ST-STRUCTURAL:
12,000" Radius, 2,000" Border, White on Green;
"SOUTH", E Mod; Interstate 229 18,000" B; Arrow 160 - 35,000" 45°; "Kansas City", E Mod;
Table of letter and object lefts

40,125	54,875	68,000	80,000	91,375	138,000
21,000	84,000				
14,375	30,625	46,875	61,625	75,250	89,875
14,375	30,625	46,875	61,625	75,250	89,875

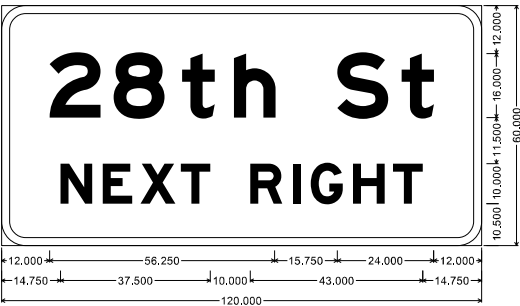
SIGN NO.	33b
LOG MILE	0.257
ROADWAY	EB US-36



E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
"22nd St", E Mod; "EXIT", E Mod; "1/4", E Mod; "MILE", E Mod;
Table of letter and object lefts

16,000	36,000	58,250	77,125	109,875	130,000
12,250	23,625	36,500	41,375	65,250	103,875
12,250	23,625	36,500	41,375	65,250	103,875
12,250	23,625	36,500	41,375	65,250	103,875

SIGN NO.	34
LOG MILE	0.889
ROADWAY	EB US-36



E1-1 ST-STRUCTURAL:
6,000" Radius, 2,000" Border, White on Green;
"28th St", E Mod 98% spacing; "NEXT RIGHT", E Mod;
Table of letter and object lefts

12,000	28,000	45,125	58,125	84,000	100,000
14,750	26,250	34,750	44,750	62,250	72,750
14,750	26,250	34,750	44,750	62,250	72,750
14,750	26,250	34,750	44,750	62,250	72,750

SIGN NO.	35
LOG MILE	1.834
ROADWAY	EB US-36



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

DATE PREPARED
9/4/2025

ROUTE STATE
VAR MO

DISTRICT SHEET NO.
NW 101

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

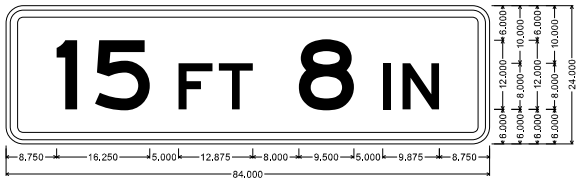
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GBA
9801 RENNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
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GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

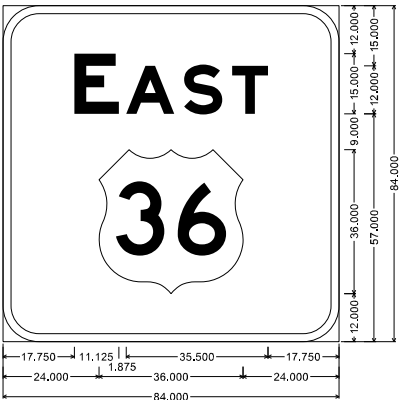
D-31



W12-2a SHF-FLAT SHEET FLUORESCENT;
3,000" Radius, 1,250" Border, 0,750" Indent, Black on Yellow;
"15 FT 8 IN", E;

Table of letter and object lefts									
I	15	F	T	8	I	N			
8,750	15,375	30,000	37,000	50,875	65,375	66,875			

SIGN NO.	36
LOG MILE	2.569
ROADWAY	EB US-36



E1-1 ST-STRUCTURAL;
9,000" Radius, 2,000" Border, White on Green;
"EAST", E Mod;

Table of letter and object lefts									
E	A	S	T						
17,750	30,750	45,250	57,250						

36
24,000

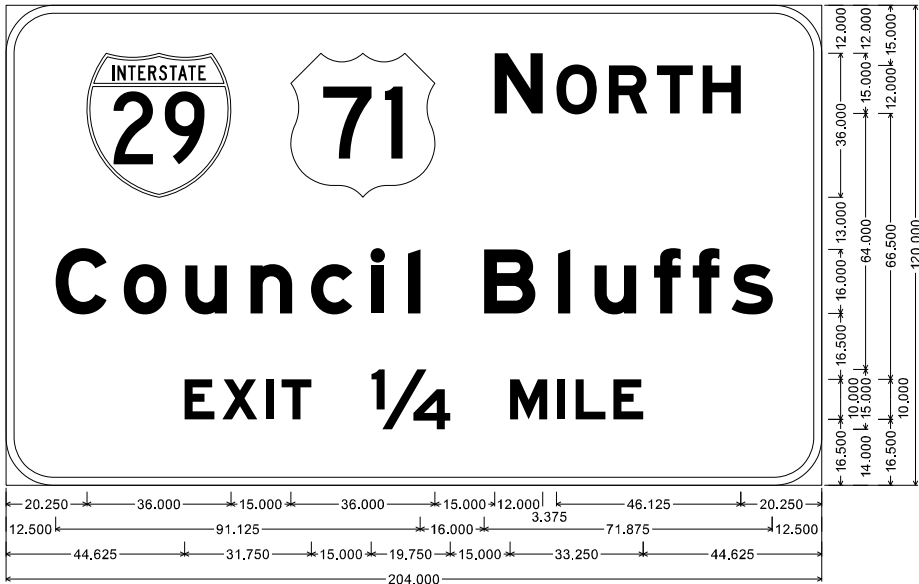
SIGN NO.	37a
LOG MILE	3.578
ROADWAY	EB US-36



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

DATE PREPARED 9/4/2025	
ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 102
COUNTY ANDREW, BUCHANAN	
JOB NO. JNWM0110	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

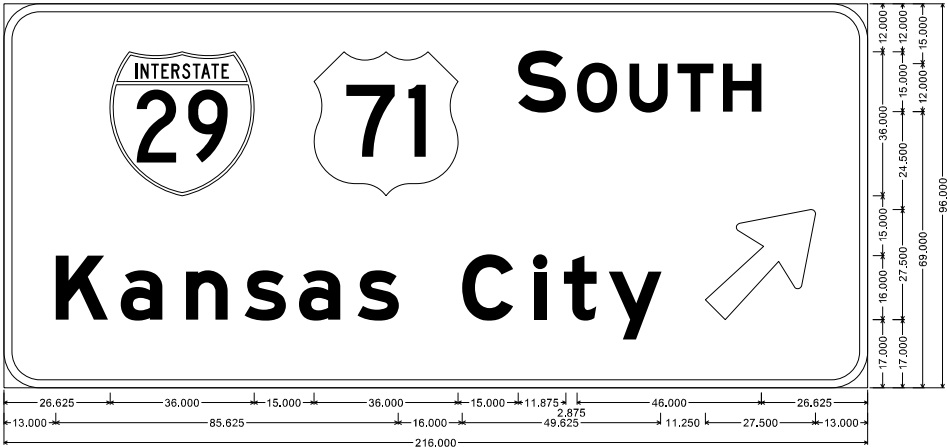
DESCRIPTION	DATE



E1-1 ST-STRUCTURAL;
12,000" Radius, 2,000" Border, White on Green;
Interstate 29 18,000" C; "NORTH", E Mod; "Council Bluffs", E Mod; "EXIT", E Mod; "1/4", E Mod; "MILE", E Mod;

Table of letter and object lefts									
I	20.250	N	71.250	O	122.250	R	137.625	T	150.750
H	162.750								
C	174.250								
O	20.250	U	44.875	N	61.125	C	76.250	I	91.500
I	100.625	B	119.625	I	138.000	U	147.250	F	162.000
F	171.750	S	181.375						
E	44.625	X	54.125	I	64.875	T	69.000	1/4	91.375
M	126.125	I	137.875	L	142.375	E	151.875		

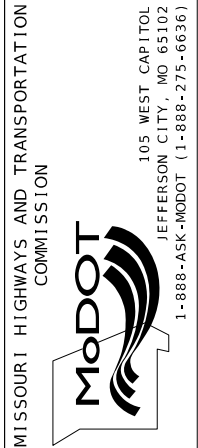
SIGN NO.	37b
LOG MILE	3.578
ROADWAY	EB US-36



E1-1 ST-STRUCTURAL;
9,000" Radius, 2,000" Border, White on Green;
Interstate 29 18,000" C; "SOUTH", E Mod; "Kansas City", E Mod; Arrow 160 - 35,000" 45°;

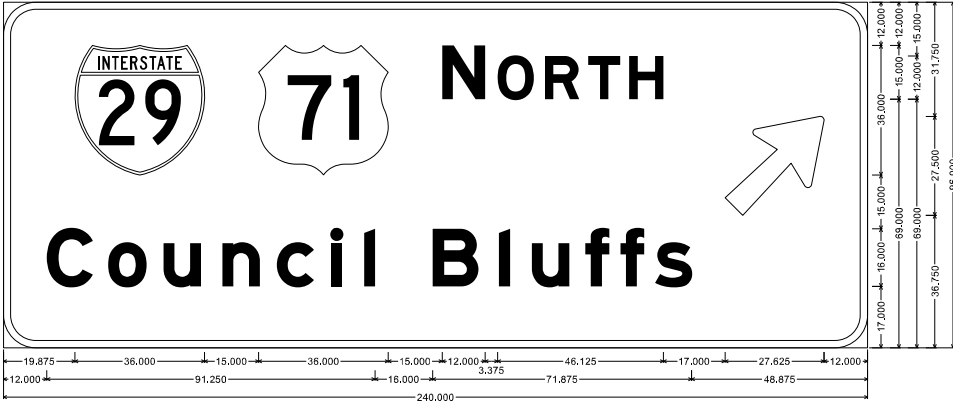
Table of letter and object lefts									
I	26.625	S	77.625	O	128.625	U	143.375	T	156.375
H	168.500								
C	179.875								
K	26.625	a	29.250	n	45.500	s	60.250	a	73.875
s	88.500	C	114.625	I	132.625	t	140.125	y	151.250
175.500									

SIGN NO.	37c
LOG MILE	3.578
ROADWAY	EB US-36



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PRO. LAND SURVEYOR 000059

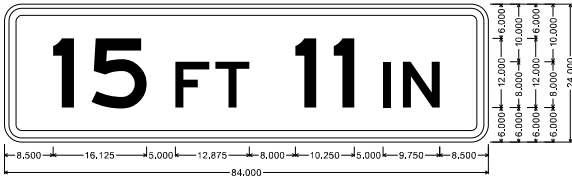
KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301



SIGN NO.	38
LOG MILE	3.840
ROADWAY	EB US-36

E1-1 ST-STRUCTURAL:
9,000" Radius, 2,000" Border, White on Green;
Interstate 29 18,000" C; "NORTH", E Mod; "Council Bluffs", E Mod; Arrow 160 - 35,000" 45°;

Table of letter and object lefts											
I	5	F	T	I	O	I	N	C	O	U	S
12,500	15,125	29,625	36,625	50,500	57,125	65,750	69,125	12,000	15,000	16,000	18,000



W12-2a SHF-FLAT SHEET FLUORESCENT;
3,000" Radius, 1,250" Border, 0,750" Indent, Black on Yellow;
"15 FT 11 IN", E;

Table of letter and object lefts											
I	5	F	T	I	O	I	N	C	O	U	S
8,500	15,125	29,625	36,625	50,500	57,125	65,750	69,125	12,000	15,000	16,000	18,000

SIGN NO.	39
LOG MILE	3.840
ROADWAY	EB US-36



THIS SHEET HAS BEEN
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ELECTRONICALLY.

DATE PREPARED
9/4/2025

ROUTE STATE
VAR MO

DISTRICT SHEET NO.
NW 103

COUNTY
ANDREW, BUCHANAN

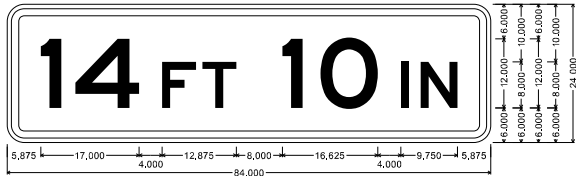
JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

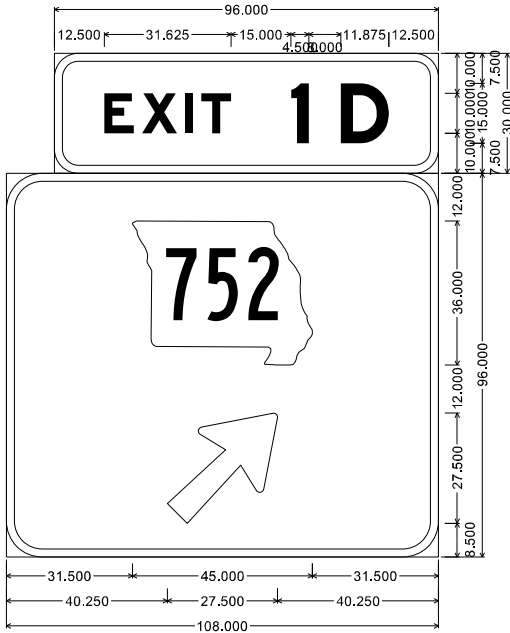
DATE	DESCRIPTION



W12-2a SHF-FLAT SHEET FLUORESCENT;
3,000" Radius, 1,250" Border, 0,750" Indent, Black on Yellow;
"14 FT 10 IN", E;

Table of letter and object lefts											
I	4	F	T	I	O	I	N	C	O	U	S
5,875	11,875	26,875	33,875	47,750	54,375	63,375	71,750	12,000	15,000	16,000	18,000

SIGN NO.	40
LOG MILE	0.749
ROADWAY	NB I-229



SIGN NO.	41a, 41b
LOG MILE	1.835
ROADWAY	NB I-229

E1-5P ST-STRUCTURAL;
6,000" Radius, 2,000" Border, White on Green;
"EXIT", E Mod; "1 D", E Mod;

E1-1 ST-STRUCTURAL;
9,000" Radius, 2,000" Border, White on Green;
State Highway 752 4 18,000" B; Arrow 160 - 35,000" 45°;

Table of letter and object lefts											
E	X	I	T	I	D	C	O	U	S	S	S
12,500	21,875	32,625	36,750	59,125	71,625	12,000	15,000	16,000	18,000	19,000	20,000

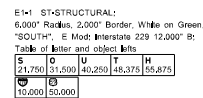
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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9801 RENNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

D-31

[illegible]

E1-5P ST-STRUCTURAL:
6,000" Radius, 2,000" Border, White on Green;
"EXIT", E Mod; "4 B", E Mod;

E1-1 ST-STRUCTURAL:
6,000" Radius, 2,000" Border, White on Green;
"EAST", E Mod; "EXIT", E Mod; "1/4", E Mod; "MILE", E Mod;
Letter and object labels

E	X	I	A	T	4	B
10,000	17,625	26,125	29,375	47,375	64,375	

69	E	A	S	T
43,875	77,875	86,600	95,125	104,250

E	X	I	A	T	1/4	M	S	L
31,125	38,750	47,250	50,500	68,500	96,250	105,750	109,375	

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DATE PREPARED
9/4/2025

ROUTE	STATE
VAR	MO

DISTRICT	SHEET NO
NW	110

COUNTY
ANDREW, BUCHAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

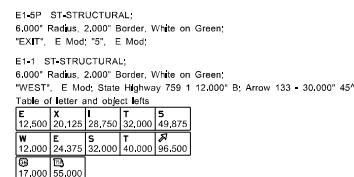


Diagram illustrating the dimensions of two exit signs and their spacing:

Top Sign (EXIT 4 A):

- Overall width: 108.000
- Left side margin: 12.250
- Text area width: 31.750
- Right side margin: 15.000
- Text area width: 13.750
- Right side margin: 8.000
- Overall width: 15.000
- Right side margin: 12.250

Bottom Sign (59 SOUTH 6th St EXIT 1/2 MILE):

- Overall width: 108.000
- Left side margin: 12.250
- Text area width: 31.750
- Right side margin: 15.000
- Text area width: 13.750
- Right side margin: 8.000
- Overall width: 15.000
- Right side margin: 12.250

E1-5P ST-STRUCTURAL:
6,000" Radius, 2,000" Border, White on Green;
"EXIT", E Mod; "4 A", E Mod;

E1-1 ST-STRUCTURAL:
12,000" Radius, 2,000" Border, White on Green;
"SOUTH", E Mod; "6th St", E Mod; "EXIT", E Mod; "½", E Mod;
"MILE", E Mod;

Table of letter and object lifts

E	X	I	T	S	A
12,250	21,750	32,500	36,500	49,000	90,750
					H
16,125	67,125	81,875	94,875	107,000	118,375
E	X	I	T	S	A
62,000	48,750	61,750	87,875	104,000	
E	X	I	T	S	A
14,125	23,500	34,250	38,375	½	108,500
					L
					113,000
					122,000

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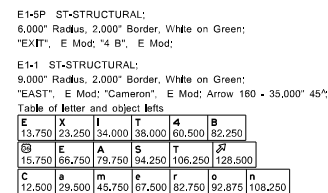
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ARCHITECT 000212
PRO. LAND SURVEYOR 000051

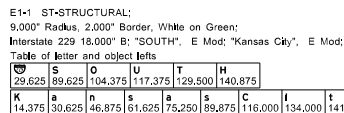
KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

D - 31

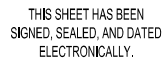
REV.



SIGN NO.	58c, 58d
LOG MILE	9.681
ROADWAY	SB I-229



SIGN NO.	59a
LOG MILE	10.108
ROADWAY	SB I-229



DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 111

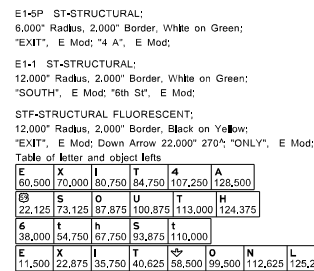
COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

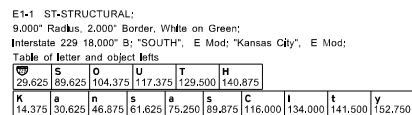
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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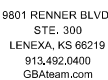
SIGN NO.	59b, 59c
LOG MILE	10.108
ROADWAY	SB I-229



SIGN NO.	60a
LOG MILE	10.247
ROADWAY	SB I-229

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

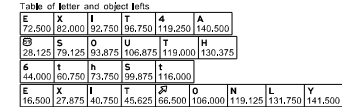
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ASSOCIATES, INC.,
PRO. ENGINEER 000133
ARCHITECT 000212
C. LAND SURVEYOR 000059

KENDRA G. MILLER
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PE-2014041301

D-31



E 12.625	X 22.125	I 32.875	T 37.000	3 59.375	
2 16.000	2 36.000	n 58.250	d 77.125	S 109.875	t 130.000
1/2 36.500	M 79.625	I 93.750	L 99.250	E 110.625	

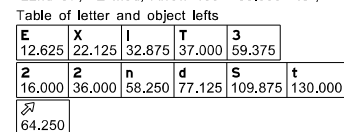
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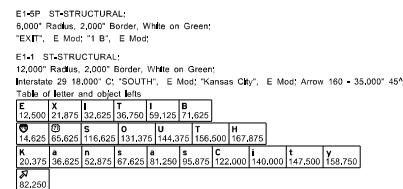
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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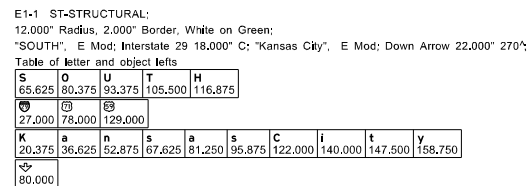
105 WEST CAPITOL
JEFFERSON CITY, MO 65102

REV.[illegible]

SIGN NO.	63a, 63b
LOG MILE	14.166
ROADWAY	SB 1-229



SIGN NO.	65c, 65d
LOG MILE	14.631
ROADWAY	SB I-229



SIGN NO.	66a
LOG MILE	73.344
ROADWAY	SB US-59



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DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT	SHEET NO
NW	114

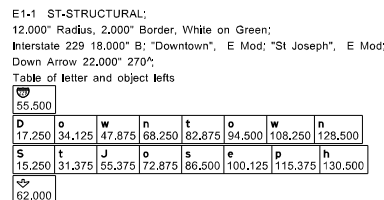
COUNTY
ANDREW, BUCHANA

JOB NO.
JNWM0110

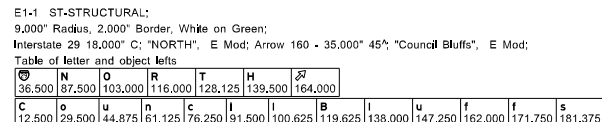
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

SIGN NO.	66b
LOG MILE	73.344
ROADWAY	SB US-59



SIGN NO.	66c
LOG MILE	73.344
ROADWAY	SB US-59

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
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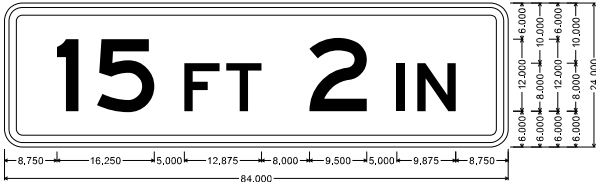
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PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

KENDRA G. MILLER
PROFESSIONAL
ENGINEER
PE-2014041301

D-31

REV.



W12x26 SHF-FLAT SHEET FLUORESCENT:
3,000" Radius, 1,250" Border, 0,750" Indent, Black on Yellow:
"15 FT 2 IN", E:

Table of letter and object lifts

1	9	F	T	2	I	N
8,750	15,375	30,000	37,000	50,875	65,375	68,875

SIGN NO.	74
LOG MILE	0.380
ROADWAY	NB I-229

SIGN NO.	
LOG MILE	
ROADWAY	



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DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
--------------	-------------

DISTRICT NW	SHEET NO. 118
----------------	------------------

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

SIGN NO.	
LOG MILE	
ROADWAY	

SIGN NO.	
LOG MILE	
ROADWAY	

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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ENGINEER
PE-2014041301

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- NOTES:
- 1. SEE SPECIAL PROVISIONS FOR ADDITIONAL LIGHTING AND CATWALK ASSEMBLY REMOVAL AND DISPOSAL INFORMATION.
 - 2. IF CATWALK AND LIGHTING SUPPORTS ARE ATTACHED TO THE TRUSS SEPERATE FROM THE SIGN SUPPORT UPRIGHTS WITH BOLTS, THEN CUT THE ATTACHING BOLTS INSTEAD OF THE SUPPORT UPRIGHTS.

STATE OF MISSOURI
DUSTIN HOYT
NUMBER
PE-2018000215
PROFESSIONAL ENGINEER

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9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 119

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

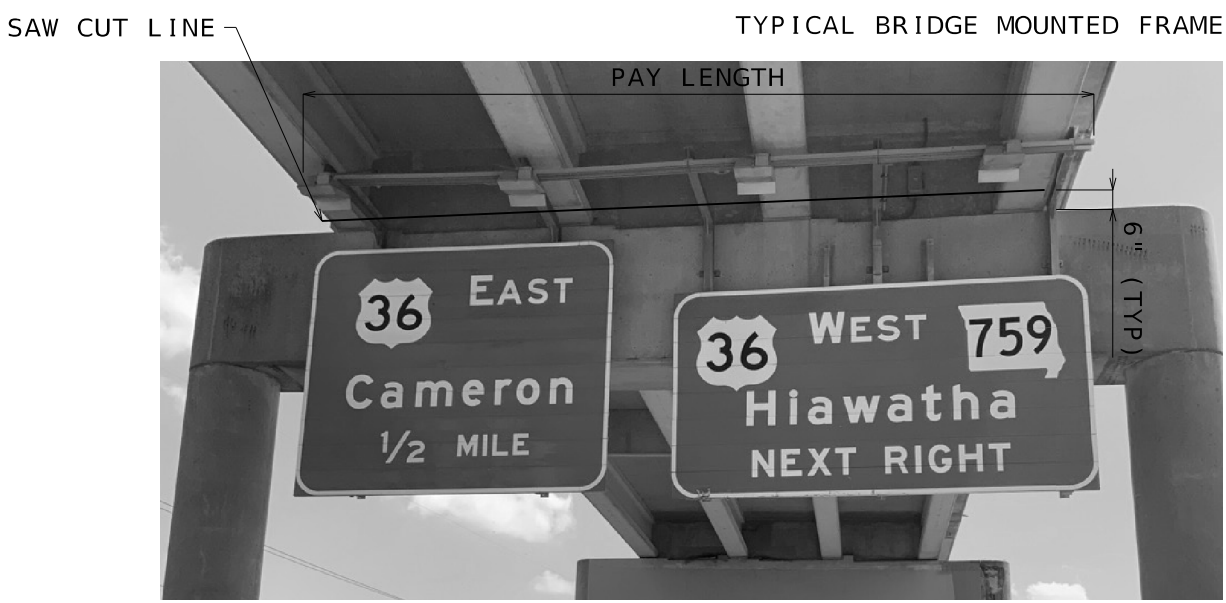
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COMMISSION

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ARCHITECT 000212
PRO. LAND SURVEYOR 000059

DUSTIN R. HOYT
PROFESSIONAL
ENGINEER
PE-2018000215



TYPICAL REMOVAL OF IMPROVEMENTS
CATWALK AND LIGHTING DETAILS
SHEET 1 OF 1

STRUCTURAL REPAIR SHEETS
SHEET 1 OF 5

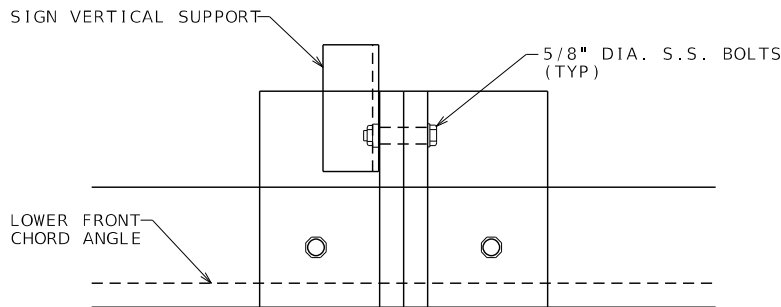
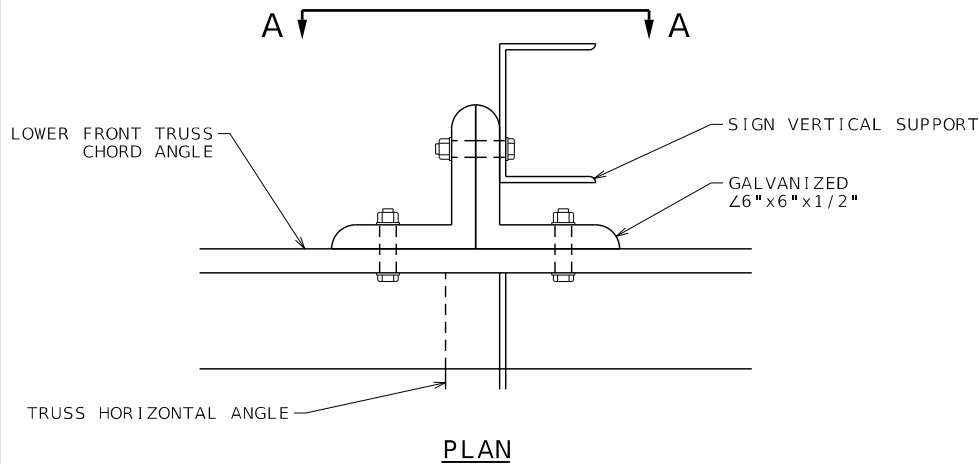
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DESIGN CRITERIA:

BUILDING CODE: INTERNATIONAL BUILDING CODE, 2015 EDITION
STRUCTURAL STEEL: AISC STEEL CONSTRUCTION MANUAL, 14TH EDITION
ALUMINUM: ALUMINUM DESIGN MANUAL, 2010 EDITION

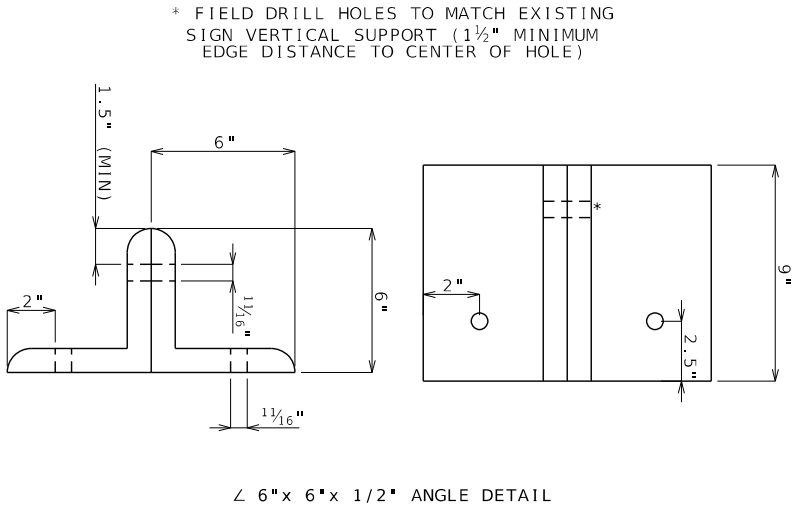
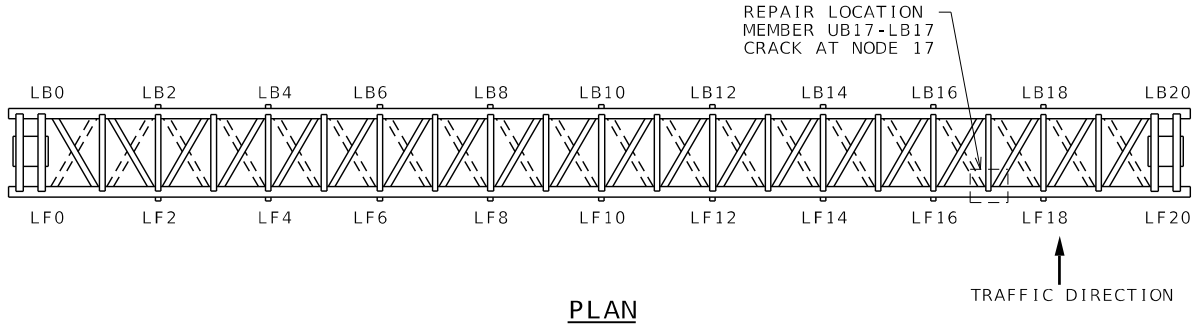
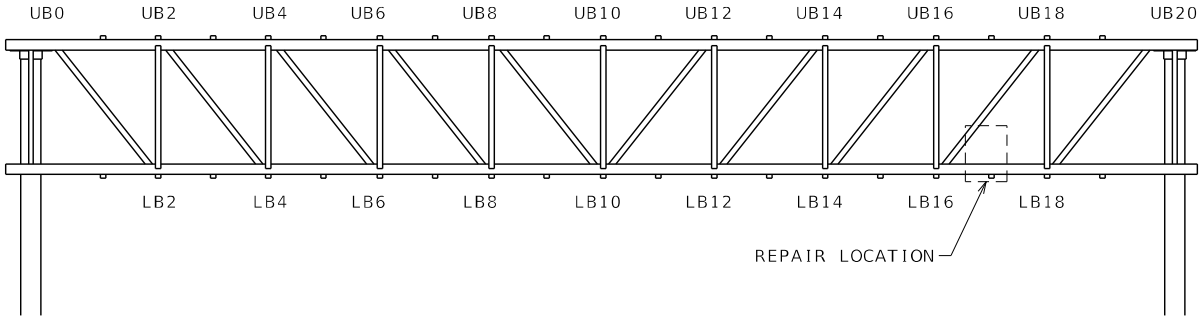
STRUCTURAL GENERAL NOTES:

- CONTRACTOR TO VERIFY ALL MEASUREMENTS OF THE EXISTING STRUCTURE WITH FIELD CONDITIONS.
- CONTRACTOR TO VERIFY PLATE SIZE IS ADEQUATE FOR FIELD DRILLED BOLT SPACING TO TRUSS MEMBERS.
 - MINIMUM EDGE DISTANCE FROM CENTER OF HOLE TO EDGE OF PLATE: $1\frac{1}{2}$ "
 - MINIMUM HOLE SPACING: $2\frac{1}{2}$ "
 - BOLT HOLES NOT ALLOWED WITHIN 1" OF ANY EXISTING WELD
- STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"
- STEEL MATERIALS AND FASTENERS TO BE HOT DIP GALVANIZED PER ASTM A123 AND A153.
 - PLATES, ASTM A36
 - BOLTS: ASTM A325, $\frac{5}{8}$ " DIA. HEX HEAD
 - HEX LOCKNUTS: ASTM A563
- SS BOLTS SHALL MEET THE REQUIREMENTS & SPECIFICATIONS OF: ASTM A193 GR. B OR B8m, CL2
- SS NUTS SHALL MEET THE REQUIREMENTS & SPECIFICATIONS OF: ASTM A194 GR 8 (AISI 304) OR 8F(AISI 303)
- SS WASHERS SHALL MEET THE REQUIREMENTS & SPECIFICATIONS OF: ASTM A240 (TYPE 302 OR 304)
- ALL BOLTED CONNECTIONS SHALL BE DESIGNED AS SNUG-TIGHT BEARING CONNECTIONS WITH TREADS INCLUDED IN THE SHEAR PLANE.



Detailed Jul 2025
Checked Aug 2025

Note: This drawing is not to scale. Follow dimensions.



FIELD VERIFY DIMENSIONS PRIOR TO INSTALLATION.
REFER TO MODOT STD. PLAN DRAWINGS 903.60AC FOR
MORE INFORMATION. ADJUST THE HEIGHT AND WIDTH
OF PLATE BASED ON DIAMETER OF BOTTOM CHORD SO
THAT A MINIMUM OF $1\frac{1}{2}$ " IS MAINTAINED FROM EDGE
TO CENTER OF BOLT HOLES.

- NOTES:
- GRIND CRACKED WELD FLUSH WITH THE FACE OF THE TRUSS CHORD ANGLE.
 - FIELD DRILL HOLES IN THE TRUSS CHORD TO MATCH HOLES IN BRACKET FLANGES.
 - ONCE BRACKET IS MOUNTED TO THE TRUSS, FIELD DRILL THE HOLE IN THE BRACKET WEB TO MATCH THE EXISTING HOLE IN THE SIGN VERTICAL SUPPORT.



EASTBOUND US 36 STRUCTURAL OVERHEAD TRUSS
SIGN 37 REPAIR DETAILS
SPECIAL SHEET 1 OF 1

STRUCTURAL REPAIR SHEET
SHEET 2 OF 5



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DATE PREPARED
9/4/2025

ROUTE
VAR

STATE
MO

DISTRICT
NW

SHEET NO.
120

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

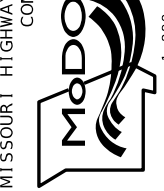
DESCRIPTION

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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LENEXA, KS 66219
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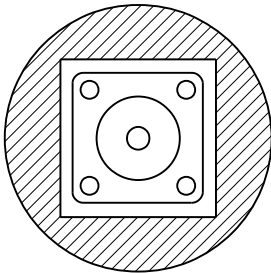
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ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

DUSTIN R. HOYT
PROFESSIONAL
ENGINEER
PE-2018000215

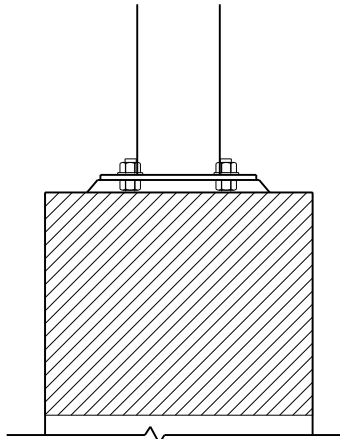
REV.

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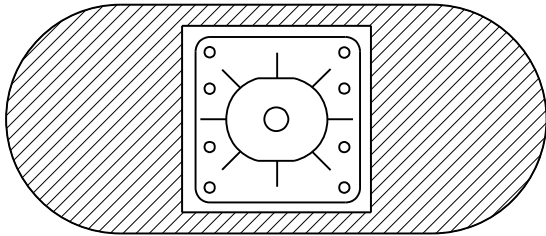
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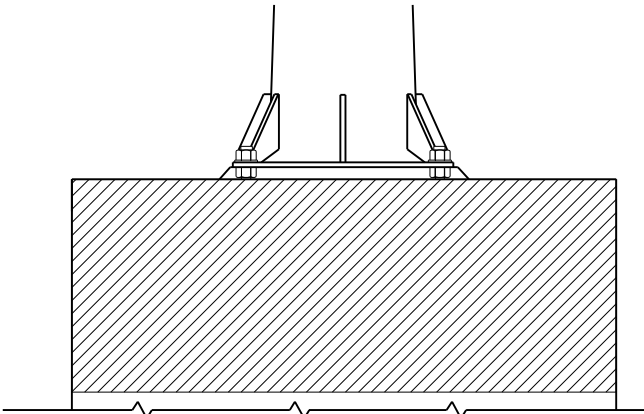
PLAN



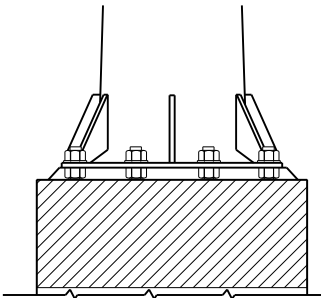
ELEVATION



PLAN



ELEVATION



SECTION A-A

* CROSS-HATCHED AREAS SHOWN ON FOOTING PLAN ARE THE TYPICAL LOCATIONS OF REPAIRS FOUND IN THE FIELD. FIELD VERIFY PRIOR TO BEGINNING WORK FOR EACH STRUCTURE IDENTIFIED.



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

DATE PREPARED
9/4/2025

ROUTE STATE
VAR MO
DISTRICT SHEET NO.
NW 122

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

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
9801 RENNER BLVD.
STE. 300
LENEXA, KS 66219
913.492.0400
GBAteam.com

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

STRUCTURAL OVERHEAD SIGN
CONCRETE SUBSTRUCTURE REPAIR (FORMED)
TYPICAL DETAILS SPECIAL SHEET 1 OF 2

STRUCTURAL REPAIR SHEET
SHEET 4 OF 5

Detailed Jul 2025
Checked Aug 2025

Note: This drawing is not to scale. Follow dimensions.

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	SUBSTRUCTURE REPAIR (FORMED)					
SHEET NUMBER	SIGN NO.	FOOTING TYPE (LEFT)	FOOTING TYPE (RIGHT)	REPAIR AREA (SF)		TOTAL AREA (SF)
				FOOTING LEFT	FOOTING RIGHT	
7	4	OVAL	OVAL	16	32	48
8	5	N/A	OVAL	-	96	96
16	13	OVAL	OVAL	-	34	34
21	18	OVAL	OVAL	62	48	110
22	19	N/A	OVAL	-	8	8
25	22	OVAL	OVAL	45	45	90
40	37	OVAL	OVAL	4	17	21
54	51	OVAL	OVAL	4	4	8
55	52	OVAL	OVAL	4	4	8
69	66	OVAL	OVAL	48	8	56
70	67	OVAL	OVAL	4	48	52
71	68	OVAL	OVAL	4	4	8
73	70	ROUND	N/A	11	-	11
PAY TOTAL						550

NOTES :

1. QUANTITIES ALSO SHOWN ON SHEET 3 (4 OF 5)

STRUCTURAL OVERHEAD SIGN
CONCRETE SUBSTRUCTURE REPAIR (FORMED)
TYPICAL DETAILS
SPECIAL SHEET 2 OF 2

STRUCTURAL REPAIR SHEET
SHEET 5 OF 5



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DATE PREPARED
9/4/2025

ROUTE VAR	STATE MO
DISTRICT NW	SHEET NO. 123

COUNTY
ANDREW, BUCHANAN

JOB NO.
JNWM0110

CONTRACT ID.

PROJECT NO. _____

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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DUSTIN R. HOYT
PROFESSIONAL
ENGINEER
PE-2018000215

REV.

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