

REMOVAL OF IMPROVEMENTS					
SHEET NO.	STA.	STA.	ALIGNMENT	LOCATION	DESCRIPTION
38-39	35+85.27	41+70.22	HWY 24	RT	609 LF CURB
39	39+77.23	40+91.84	HWY 24	LT	31 SY PAVEMENT
39	39+77.31	39+87.50	HWY 24	LT	FLUME
39	39+45.00		HWY 24	RT	TREE
39	39+81.81	40+91.13	HWY 24	LT	69 SY SIDEWALK
39	40+21.42	40+26.25	HWY 24	LT	STAIRS
39	40+91.83	41+14.21	HWY 24	LT	FLUME
39	41+14.31	41+89.04	HWY 24	LI	81 SY PAVEMENT
39	41+36.94	41+89.04	HWY 24	LT	63 LF CURB
39	41+33.81	41+88.47	HWY 24	LT	43 SY SIDEWALK
39	41+65.51	42+09.61	HWY 24	RT	95 SY SIDEWALK
39	42+01.78	42+43.30	HWY 24	RT	19 SY SIDEWALK
40	200+09.70	203+50.00	CEDAR AVE	LT & RT	1359 SY PAVEMENT
40	200+08.36	200+34.24	CEDAR AVE	RT	35 LF CURB
40	200+61.47	200+62.65	CEDAR AVE	LT	8 LF WALL
40	200+69.33	200+85.84	CEDAR AVE	LT	33 SY PAVEMENT
40	200+17.85	200+71.86	CEDAR AVE	RT	72 SY SIDEWALK
40	200+51.88	200+56.27	CEDAR AVE	RT	FLUME
40	200+59.05	200+87.78	CEDAR AVE	RT	47 SY PAVEMENT
40	200+82.38	201+84.30	CEDAR AVE	RT	114 SY SIDEWALK
40	201+54.45		CEDAR AVE	LT	TREE
40	201+31.09	201+52.96	CEDAR AVE	LT	14 SY PAVEMENT
40	201+62.99	203+06.11	CEDAR AVE	RT	347 SY PAVEMENT
40	202+04.71	203+10.20	CEDAR AVE	RT	114 SY SIDEWALK
40	202+53.58	202+98.81	CEDAR AVE	RT	METAL POSTS
41	203+50.00	207+07.94	CEDAR AVE	LT & RT	1717 SY PAVEMENT
41	203+26.48	203+94.81	CEDAR AVE	LT	67 SY PAVEMENT
41	206+32.60		CEDAR AVE	RT	SIGN
41	206+86.81	207+07.43	CEDAR AVE	LT	22 LF CURB
REMOVAL OF IMPROVEMENTS TOTAL:					1 LUMP SUM

LINEAR GRADING FOR ENTRANCES	
LOCATION	LINEAR GRADING CLASS 1
	(STA.)
STATE ITEMS	
HWY 24 - STA. 13+34.13 LT	0.17
HWY 24 - STA. 19+63.33 LT	0.17
HWY 24 - STA. 21+77.82 RT	0.18
HWY 24 - STA. 22+43.38 LT	0.20
HWY 24 - STA. 22+58.32 RT	0.21
HWY 24 - STA. 24+46.07 RT	0.31
HWY 24 - STA. 25+35.23 RT	0.17
HWY 24 - STA. 26+00.22 LT	0.21
HWY 24 - STA. 26+22.42 RT	0.30
HWY 24 - STA. 28+96.47 LT	0.22
HWY 24 - STA. 28+96.83 RT	0.20
HWY 24 - STA. 29+62.16 LT	0.16
HWY 24 - STA. 29+65.24 RT	0.20
HWY 24 - STA. 30+97.09 LT	0.24
HWY 24 - STA. 31+23.54 RT	0.13
HWY 24 - STA. 31+46.10 LT	0.22
HWY 24 - STA. 32+07.56 LT	0.38
HWY 24 -STA. 32+61.56 LT	0.23
HWY 24 - STA. 33+21.37 RT	0.19
HWY 24 - STA. 33+50.04 LT	0.26
HWY 24 - STA. 34+00.56 RT	0.24
HWY 24 - STA. 35+28.56 LT	0.17
HWY 24 - STA. 35+42.40 RT	0.21
HWY 24 - STA. 35+87.46 RT	1.48
HWY 24 - STA. 41+53.54 LT	0.11
HWY 24 - STA. 41+83.69 RT	0.28
HWY 24 - STA. 42+58.21 RT	0.17
CEDAR AVE. - STA. 203+75.04 LT	0.38
CEDAR AVE. - STA. 205+62.36 LT	0.17
SUBTOTAL:	7.56
CITY ITEMS	
CEDAR AVE. - STA. 200+72.10 LT	0.26
CEDAR AVE. - STA. 200+74.75 RT	0.24
CEDAR AVE. - STA. 201+40.89 LT	0.18
CEDAR AVE. - STA. 201+94.52 RT	0.29
CEDAR AVE. - STA. 202+13.96 LT	0.17
SUBTOTAL:	1.14
TOTAL:	8.70

EARTHWORK			
LOCATION	CLASS A EXCAVATION (CY)	CLASS 4 EXCAVATION (CY)	COMPACTING EMBANKMENT (CY)
STATE ITEMS			
HWY 24	4483		1997
CEDAR AVE	1241		109
ASH AVE	2069		15
RETAINING WALL 1	3	81	3
RETAINING WALL 2	0	8	0
RETAINING WALL 3	3	68	3
RETAINING WALL 4	6	106	6
RETAINING WALL 5	9	134	9
RETAINING WALL 6	215	185	215
SUBTOTAL:	8029	582	2357
CITY ITEMS			
CEDAR AVE	766		235
SUBTOTAL:	766	0	235
TOTAL:	8795	582	2592

OPTIONAL PAVEMENT							
SHEET NO.	CENTERLINE	STA.	STA.	LOCATION	OPTIONAL PAVEMENT HWY 24	6 IN. TYPE 5 AGGREGATE BASE	COMMENTS
					(S.Y.)	(S.Y.)	
STATE ITEMS							
4	HWY 24	12+18.24	17+00.00	LT	94	94	
4	HWY 24	12+64.73	17+00.00	RT	113	113	
6	HWY 24	17+00.00	22+60.00	LT	132	132	
6	HWY 24	17+00.00	22+60.00	RT	143	143	
8	HWY 24	22+60.00	28+20.00	LT	242	242	
8	HWY 24	22+60.00	28+20.00	RT	120	120	
10	HWY 24	28+20.00	33+80.00	LT	125	125	
10	HWY 24	28+20.00	33+80.00	RT	125	125	
12	HWY 24	33+80.00	39+40.00	LT	168	168	
12	HWY 24	33+80.00	39+40.00	RT	125	125	
14	HWY 24	39+40.00	41+89.04	LT	86	86	
14	HWY 24	39+40.00	41+63.08	RT	60	60	
18	CEDAR AVE	203+50.00	207+07.94	LT & RT	965	965	
18	ASH AVE	100+12.44	101+91.55	LT & RT	571	571	
SUBTOTAL:					3069	3069	
CITY ITEMS							
16	CEDAR AVE	200+07.31	203+50.00	LT & RT	1127	1506	AGG BASE BID ITEM INCLUDES QTY FOR ON-STREET PARKING
SUBTOTAL:					1127	1506	
TOTAL:					4196	4575	

PAVEMENT REPAIR FOR CULVERT INSTALLATION									
SHEET NO.	CENTERLINE	STA.	STA.	LOCATION	FURNISHING & PLACING CONCRETE MATERIAL	SUBGRADE COMPACTION (6 IN.)	TYPE 1 OR 5 AGGREGATE FOR BASE (4 IN. THICK)	DOWEL BAR	FULL DEPTH SAW CUT
					(S.Y.)	(S.Y.)	(S.Y.)	(EACH)	(L.F.)
4	HWY 24	12+48.82	12+81.18	LT	20	15	15	70	70
4	HWY 24	12+28.73	12+65.24	RT	20	15	15	69	69
4	HWY 24	12+51.50	17+00.00	LT & RT	85	64	64	342	342
6	HWY 24	17+00.00	22+64.00	LT & RT	191	143	143	805	805
6	HWY 24	18+67.44	19+08.76	RT	22	17	17	75	75
6	HWY 24	20+50.12	20+57.46	LT & RT	47	35	35	160	160
6	HWY 24	21+11.37	21+59.73	LT	25	19	19	85	85
6	HWY 24	23+87.10	23+92.83	LT & RT	36	27	27	122	122
6	HWY 24	24+24.38	24+77.75	LT	30	23	23	91	91
8	HWY 24	26+58.73	26+64.44	LT & RT	37	28	28	122	122
8	HWY 24	27+20.86	27+61.42	LT	26	20	20	79	79
8	HWY 24	22+99.00	25+52.00	LT & RT	106	80	80	443	443
10	HWY 24	29+23.36	29+29.37	LT & RT	35	26	26	105	105
12	HWY 24	30+48.38	30+54.38	LT & RT	32	24	24	98	98
14	HWY 24	35+77.19	35+82.44	LT & RT	26	20	20	88	88
TOTAL:					738	556	556	2754	2754

ADDED QTY FOR REMOVAL OF EXIST. RAISED ISLANDS

SUMMARY OF QUANTITIES
SHEET 3 OF 11

CLEARING AND GRUBBING
1 ACRE

CONTRACTOR FURNISHED SURVEYING AND STAKING
1 LS

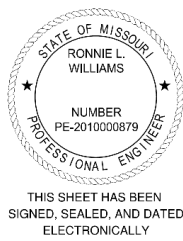
MOBILIZATION
1 LS

TEMPORARY SHORING
1 LS

TEMPORARY BITUMINOUS PAVEMENT (TON)
500.0

MILL & OVERLAY							
SHEET NO.	CENTERLINE	STA.	STA.	RESURFACING AREA	COLDMILLING GREATER THAN 3 IN.	TACK COAT (0.15 GAL/SY)	3.25 IN. ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP125C MIX) (OVERLAY)
				(S.Y.)	(S.Y.)	(GAL.)	(TON)
STATE ITEMS							
4	HWY 24	12+51.50	17+00.00	2855	2855	428	507.7
6	HWY 24	17+00.00	22+60.00	3469	3469	520	616.9
8	HWY 24	22+60.00	28+20.00	3960	3960	594	704.3
10	HWY 24	28+20.00	33+80.00	2959	2959	444	526.3
12	HWY 24	33+80.00	39+40.00	2810	2810	421	499.7
14	HWY 24	39+40.00	42+77.42	1668	1668	250	296.7
SUBTOTAL:				17720	17721	2657	3152
CITY ITEMS							
16-18	HUTTIG AVE	497+94.97	798+71.78	273	273	41	48.6
SUBTOTAL:				273	273	41	48.6
TOTAL:					17994	2698	3200.2

COMPACTING IN CUT				
SHEET NO.	CENTERLINE	STA.	STA.	COMPACTING IN CUT
				(STA.)
4-22	HWY 24	12+18.24	41+89.04	29.7
TOTAL:				29.7



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
9/16/2025

ROUTE
24

STATE
MO

DISTRICT
KC

SHEET NO.
3

COUNTY
JACKSON

JOB NO.
JKU0226

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION	ADDED QTY					
9/12/25							

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

BURNS McDONNELL

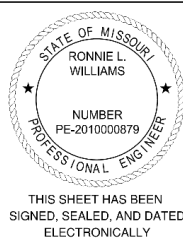
9400 Ward Parkway
Kansas City, MO 64114
(816) 333-9400

Certificate of Authority
No. : 000165

PRECAST DROP INLET												
				TYPE T INLET			TYPE B INLET					
SHEET NO.	CENTERLINE	STA.	STRUCTURE NO.	5'X3' (FT.)	7.5'X3' (FT.)	10'X3' (FT.)	2'X2' (FT.)	MANHOLE 48" (EA)	CURVED VANE GRATE & FRAME 2'X2' (FT.)	MANHOLE FRAME & COVER (EA)	PIPE OPENING (#-SIZE)	CLASS 3 EXC. (CY)
STATE ITEMS												
138	HWY 24	30+30.83	200	12.0						1		53.3
139	HWY 24	18+48.74	209	4.7						1	1-15"	13.3
139	HWY 24	20+17.60	208	4.3						1	2-15"	12.3
139	HWY 24	20+86.02	207			4.8				1	1-15", 1-18"	20.9
139	HWY 24	21+82.41	206			4.7				1	2-18"	20.5
139	HWY 24	24+04.49	205			4.8				1	1-15", 1-18", 1-24"	21.2
139	HWY 24	24+97.93	204			5.6				1	2-24"	24.0
139	HWY 24	26+72.34	203			5.0				1	1-18", 2-24"	21.6
139	HWY 24	28+08.48	202			5.9				1	2-24"	25.2
139	HWY 24	29+28.33	201		9.6					1	1-18", 2-24"	31.5
139	HWY 24	23+75.45	305			4.9				1	1-15"	21.3
139	HWY 24	25+92.03	304	5.6						1	1-18"	15.4
139	HWY 24	26+52.45	303			4.1				1	1-18"	18.6
139	HWY 24	28+60.94	302	4.0						1	1-15"	11.6
139	HWY 24	29+24.74	301	4.6						1	1-15", 1-18"	13.1
140	HWY 24	35+79.72	405			4.2				1	1-15"	18.8
140	HWY 24	35+79.92	404			5.2				1	2-15"	22.6
140	HWY 24	33+62.65	403			4.5				1	1-15", 1-18"	20.0
140	HWY 24	30+51.72	402			5.1				1	1-18", 1-24"	22.0
140	HWY 24	30+50.99	401			13.7				1	2-24"	53.5
140	HWY 24	12+82.66	104			3.6				1	1-15"	16.7
140	HWY 24	13+01.22	103		3.7					1	1-15"	13.9
140	HWY 24	12+74.94	102				3.1		1		2-15"	5.5
140	HUTTIG AVE	400+60.63	101		4.4					1	3-15"	16.1
141	CEDAR AVE	205+17.38	506			4.4				1	1-18"	19.5
141	CEDAR AVE	205+02.04	505			4.7				1	2-18"	20.6
SUBTOTAL:				35.1	17.6	85.1	3.1	0.0	1	25		552.9
CITY ITEMS												
141	CEDAR AVE	202+42.21	504			4.87				1	1-18"	21.3
141	CEDAR AVE	202+28.20	503			5.35				1	2-18", 1-24"	23.0
141	CEDAR AVE	201+66.08	MH1					5.35		1	2-24"	15.1
141	CEDAR AVE	200+45.70	502			5.80				1	1-18"	24.7
141	CEDAR AVE	200+42.90	501			6.45				1	1-18", 2-24"	27.0
SUBTOTAL:				0.0	0.0	22.5	0.0	5.4	0.0	5		111.1
TOTAL:				35.1	17.6	107.6	3.1	5.4	1.0	30.0		664.0
USE:				35	18	108	3	5	1	30		664

DESCRIPTION	QTY	UNIT
MOBILIZATION	1	LS
SITE WORK	1	LS
REMOVE ASPHALT	1600	SF
HAUL OFF ASPHALT DEMO	533	CY
FURNISHING & PLACING CONCRETE MATERIAL	178	SY
SUBGRADE COMPACTION (6 IN.)	134	SY
TYPE 1 OR 5 AGGREGATE FOR BASE (4 IN. THICK)	134	SY
DOWEL BAR	267	EA
FULL DEPTH SAW CUT	267	LF
ELB 6" DIP CL. 52 - UNRESTRAINED	794	LF
ELB 6" DIP CL. 52 - RESTRAINED	695	LF
ELB 8" DIP CL. 52 - UNRESTRAINED	1910	LF
ELB 8" DIP CL. 52 - RESTRAINED	1090	LF
16" STEEL PIPE - CASING	89	LF
14" STEEL PIPE - CASING	275	LF
6" MJ GATE VALVE	33	EA
8" MJ GATE VALVE	19	EA
REMOVE EXISTING FIRE HYDRANT	5	EA
FIRE HYDRANT	9	EA
BLOWOFFS	12	EA
1" AIR RELEASE VALVE	2	EA
MARKER POST	66	EA
ABANDON IN PLACE 6" LINE	2473	LF
ABANDON IN PLACE 8" LINE	1311	LF
ABANDON IN PLACE VALVE BOX	15	EA
ABANDON IN PLACE FIRE HYDRANT LINE	60	LF
CONNECTION TO EXISTING 6"	12	EA
CONNECTION TO EXISTING 8"	4	EA
SREVICE REACTIVATION	23	EA
TRENCH STABILIZATION MATERIAL	90	TON

⚠ REMOVED QTY'S: 4" CONCRETE BASE; HOT MIX ASPHALT REPLACEMENT 2"
ADDED QTY'S: FURNISHING & PLACING CONCRETE MATERIAL; SUBGRADE COMPACTION (6 IN.); TYPE 1 OR 5 AGGREGATE FOR BASE (4 IN. THICK); DOWEL BAR; FULL DEPTH SAW CUT



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED
9/15/2025

ROUTE 24 STATE MO

DISTRICT KC SHEET NO. 3

COUNTY
JACKSON

JOB NO.
JKU0226

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION	REVISED QTY
9/12/25		⚠

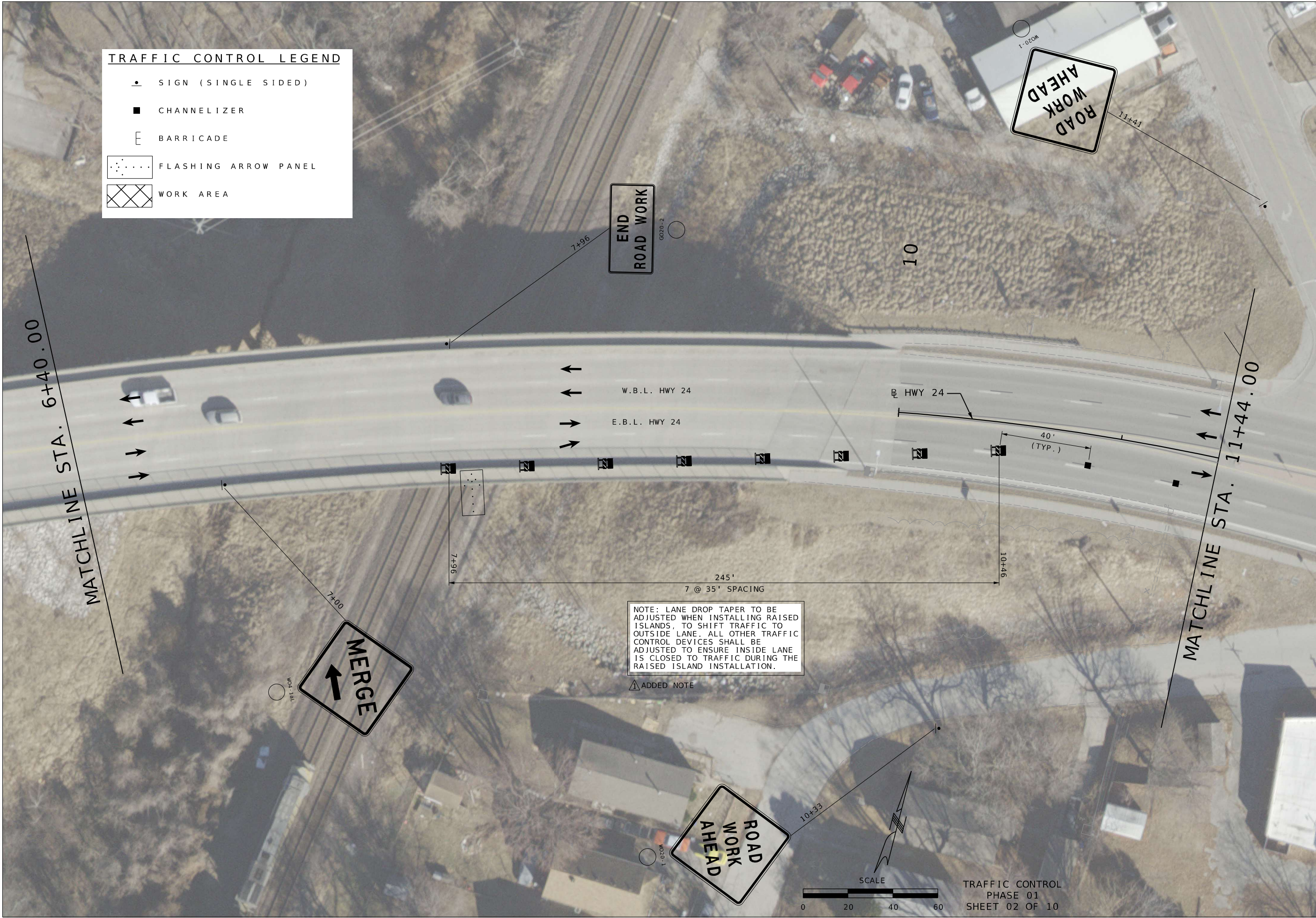
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



BURNS & MCDONNELL
9400 Ward Parkway
Kansas City, MO 64114
(816) 333-9400
Certificate of Authority
No. : 000165



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- E BARRICADE
- FLASHING ARROW PANEL
- WORK AREA

NOTE: LANE DROP TAPER TO BE ADJUSTED WHEN INSTALLING RAISED ISLANDS, TO SHIFT TRAFFIC TO OUTSIDE LANE. ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO ENSURE INSIDE LANE IS CLOSED TO TRAFFIC DURING THE RAISED ISLAND INSTALLATION.

ADDED NOTE

STATE OF MISSOURI

RONNIE L. WILLIAMS

NUMBER

PE-2010000879

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED

9/12/2025

ROUTE

24

STATE

MO

DISTRICT

KC

SHEET NO.

73

COUNTY

JACKSON

JOB NO.

JKU0226

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

ADDED NOTE

DATE

9/12/25

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

BURNS

MCDONNELL

9400 Ward Parkway

Kansas City, MO 64114

(816) 333-9400

Certificate of Authority

No. : 000165

REV.

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

REV.

TRAFFIC CONTROL
PHASE 01
SHEET 02 OF 10

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MATCHLINE STA. 45+00.00

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- E BARRICADE
- FLASHING ARROW PANEL
- WORK AREA

NOTE: LANE DROP TAPER TO BE ADJUSTED WHEN INSTALLING RAISED ISLANDS, TO SHIFT TRAFFIC TO OUTSIDE LANE. ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO ENSURE INSIDE LANE IS CLOSED TO TRAFFIC DURING THE RAISED ISLAND INSTALLATION.

ADDED NOTE

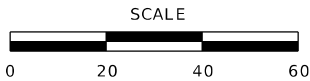
END
ROAD WORK

ROAD
WORK
AHEAD

MERGE
↓

RIGHT
LANE
CLOSED

ROAD
WORK
AHEAD



TRAFFIC CONTROL
PHASE 01
SHEET 09 OF 10

MATCHLINE STA. 50+60.00

**BURNS
MCDONNELL**
9400 Ward Parkway
Kansas City, MO 64114
(816) 333-9400
Certificate of Authority
No. : 000165

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

DATE	DESCRIPTION
9/12/25	ADDED NOTE

STATE OF MISSOURI
RONNIE L. WILLIAMS
NUMBER
PE-2010000879
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED, AND DATED
ELECTRONICALLY

DATE PREPARED
9/12/2025

ROUTE 24	STATE MO
DISTRICT KC	SHEET NO. 80

COUNTY
JACKSON

JOB NO.
JKU0226

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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

REV.