

DESIGN DESIGNATION
ROUTE A

A.A.D.T. - 2024 = 3407
A.A.D.T. - 2044 = 4357
T = 8%
V = 55 M.P.H.

FUNCTIONAL CLASSIFICATION- MAJOR COLLECTOR

NO NEW R/W TO BE ACQUIRED WITH THIS PROJECT

CONVENTIONAL SYMBOLS
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK	-V-	-V-
WOVEN WIRE	-X-	-X-
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

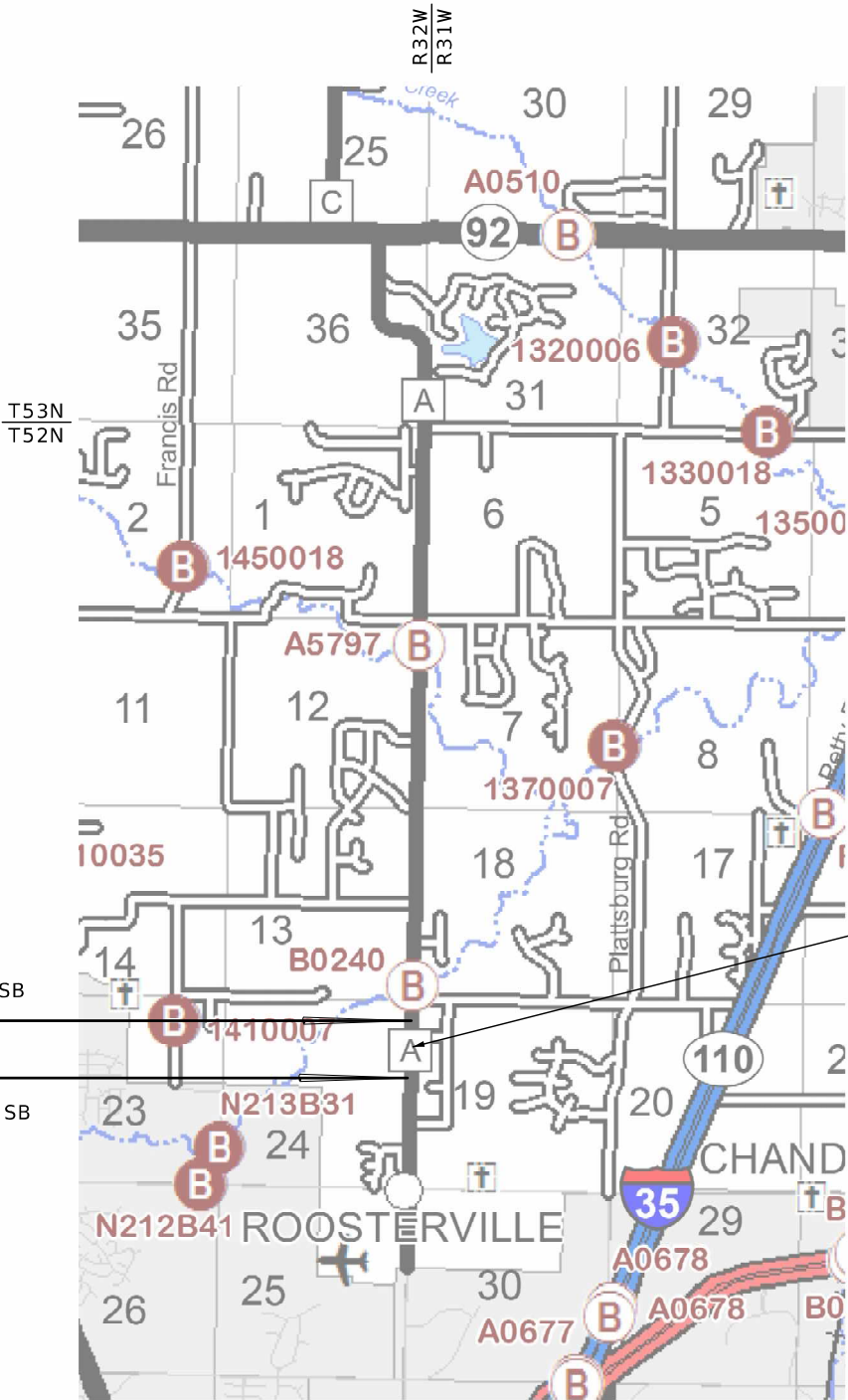
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PRELIMINARY PLANS FOR PROPOSED
STATE HIGHWAY
CLAY COUNTY



PROJECT LIMITS
ROUTE A
CULVERT REPLACEMENT
0.012 MILES

LOG MILE 4.413 SB

LOG MILE 4.401 SB



NOT TO SCALE

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS)	2
QUANTITIES (QU) (2 SHEETS)	3
PLAN-PROFILE (PP)	4
REFERENCE POINTS (RP)	5
COORDINATE POINTS (CP)	6
TRAFFIC CONTROL SHEETS (TC)	7-8
EROSION CONTROL SHEETS (EC)	9
CULVERT SECTIONS (CS)	10
CROSS SECTIONS (XS)	1-3



DATE PREPARED 3/7/2024	
ROUTE A	STATE MO
DISTRICT KC	SHEET NO. 1
COUNTY CLAY	
JOB NO. KU0406	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

LENGTH OF PROJECT

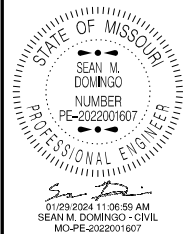
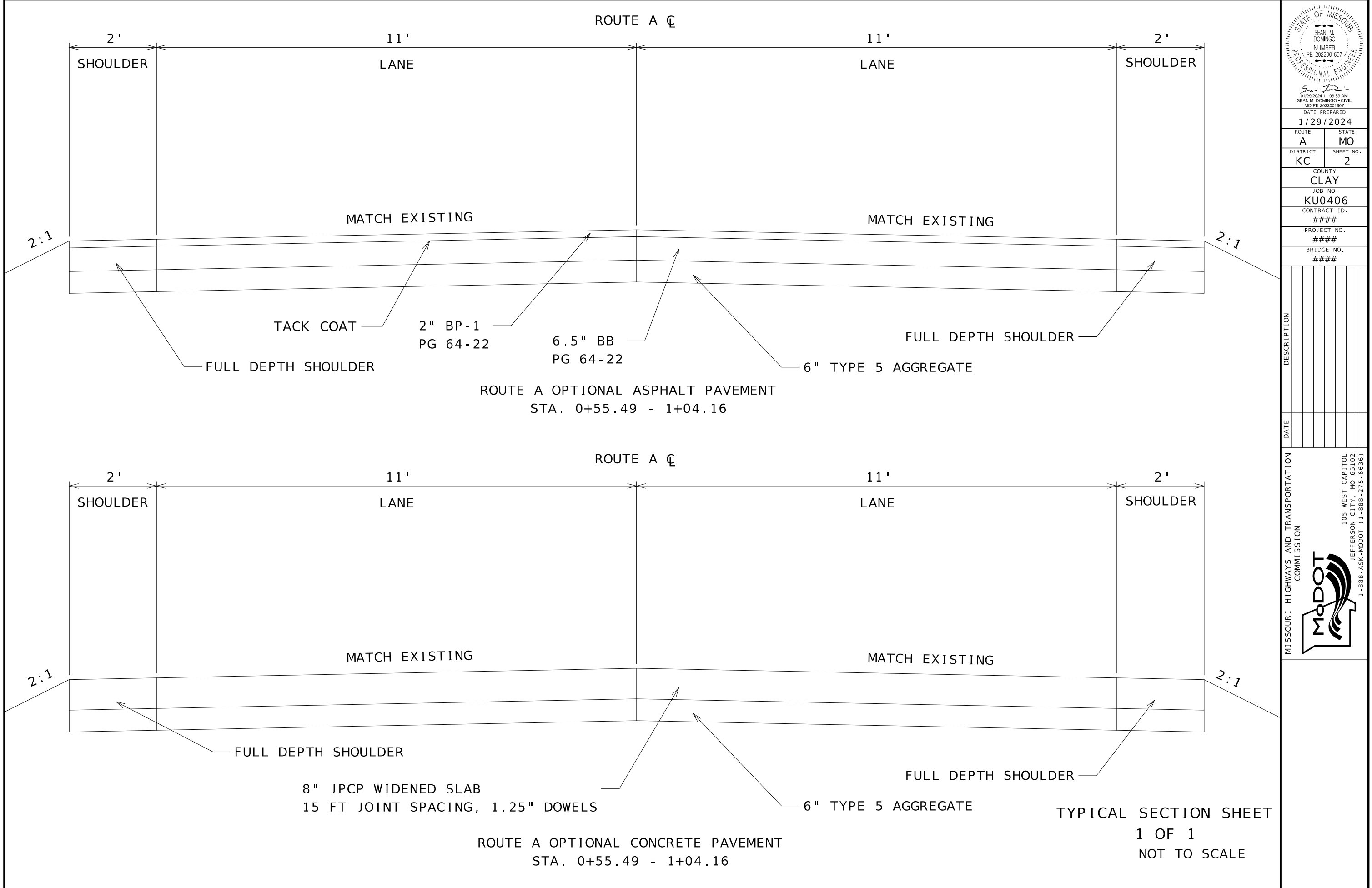
BEGINNING OF PROJECT	LOG MILE 4.401 (SB)
END OF PROJECT	LOG MILE 4.413 (SB)

APPARENT LENGTH 67.0 FEET

EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS	0.0 FEET
NET LENGTH OF PROJECT	67.0 FEET
STATE LENGTH	0.012 MILES





DATE PREPARED 1/29/2024	
ROUTE A	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY CLAY	
JOB NO. KU0406	
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)

REMOVAL OF IMPROVEMENTS						
SHEET NO.	ROADWAY	BEGIN STATION	END STATION	DESCRIPTION	QUANTITY	UNITS
4	ROUTE A	0+55.49	1+04.16	FULL DEPTH PAVEMENT	148	SY
4	ROUTE A	0+55.49		PAVEMENT SAWCUT	33	LF
4	ROUTE A	0+95.72	1+04.16	PAVEMENT SAWCUT	35	LF
4	ROUTE A	0+79.65		EXIST. 10'X5' ARCH CULVERT	1	EACH
4	ROUTE A	0+79.65		EXIST HEADWALLS	2	EACH
LUMP SUM						

MOBILIZATION
1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING
1 LUMP SUM

SEEDING-COOL SEASON MIX		
LOCATION	SEEDING (ACRE)	REMARKS
ROUTE A	0.1	ROUTE A CULVERT AND CREEK
TOTAL	0.1	

EARTHWORK						
BEGIN STA.	END STA.	LOCATION	CLASS A EXCAVATION (CY)	LINEAR GRADING CLASS 2 (STA.)	COMPACTING EMBANKMENT (CY)	REMARKS
0+55.49	1+22.32	ROUTE A	299		11	ROUTE A AND CREEK
0+55.49	1+22.32	ROUTE A LT		0.6		
0+55.49	0+96.17	ROUTE A RT		0.4		
TOTAL			299	1	11	

PERMANENT PAVEMENT MARKING						
SHEET NO.	BEGIN STATION	END STATION	LOCATION	HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS		
				6 INCH WHITE (LF)	4 INCH YELLOW (LF)	
4	0+55.49	1+04.16	ROUTE A	98	98	
TOTALS				98	98	

PAVEMENT						
SHEET NO.	BEGIN STA.	END STA.	LOCATION	6 IN. TYPE 5 AGGREGATE BASE (SY)	OPTIONAL PAVEMENT (SY)	REMARKS
4	0+55.49	1+04.16	ROUTE A	141	141	ROUTE A CULVERT REPLACEMENT
4	0+55.49	0+84.91	ROUTE A	7	7	REBUILD DRIVEWAY
TOTALS				148	148	

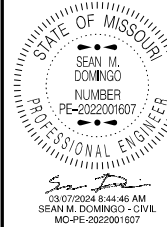
REMOVE AND RELOCATE SIGNS			
STATION	LOCATION	QUANTITY (EA)	REMARKS
0+63	ROUTE A	1	OBJECT MARKER
0+98	ROUTE A	1	OBJECT MARKER
TOTAL		2	

TEMPORARY EROSION CONTROL									
SHEET NO.	STA. BEGIN	STA. END	LOCATION	SEDIMENT TRAP		ROCK DITCH CHECK (LF)	TYPE 2D ECB (SY)	SILT FENCE (LF)	SEDIMENT REMOVAL (CY)
				EXCAVATION (CY)	ROCK (CY)				
9	0+55	1+22	ROUTE A				134		
9	0+40	0+54	ROUTE A					23	0.5
9	0+53	1+15	ROUTE A					73	1
9	0+74	1+01	ROUTE A					30	0.5
9	0+73		ROUTE A	1	1				1
9	1+40		ROUTE A	1	1				1
9	0+76	0+93	ROUTE A			16			1
TOTAL				2	2	16	134	126	5

ROCK DITCH					
BEGIN STA.	END STA.	LOCATION	FURNISHING TYPE 2 ROCK DITCH LINER (CY)	PLACING TYPE 2 ROCK DITCH LINER (CY)	PERM. EROSION CONTROL GEOTEXTILE (SY)
0+74	0+94	ROUTE A	4	4	19
TOTALS			4	4	19

REINFORCED CONCRETE BOX								
SHEET NO.	STATION	LOCATION	LENGTH (FT)	SIZE (SPAN X RISE) (FT)	REINFORCING STEEL (CULVERTS) (LBS)	CLASS B-1 CONC. (CULVERTS) (CY)	CLASS 4 EXCAVATION (CY)	ROCK LINING (FOR INLET) (CY)
4, 10	0+79.65	ROUTE A	38.13	10 X 5	9050	56.6	204	84
TOTALS					9050	56.6	204	84

SUMMARY OF QUANTITIES
SHEET 1 OF 2



DATE PREPARED 3/7/2024	
ROUTE A	STATE MO
DISTRICT KC	SHEET NO. 3
COUNTY CLAY	
JOB NO. KU0406	
CONTRACT ID.	

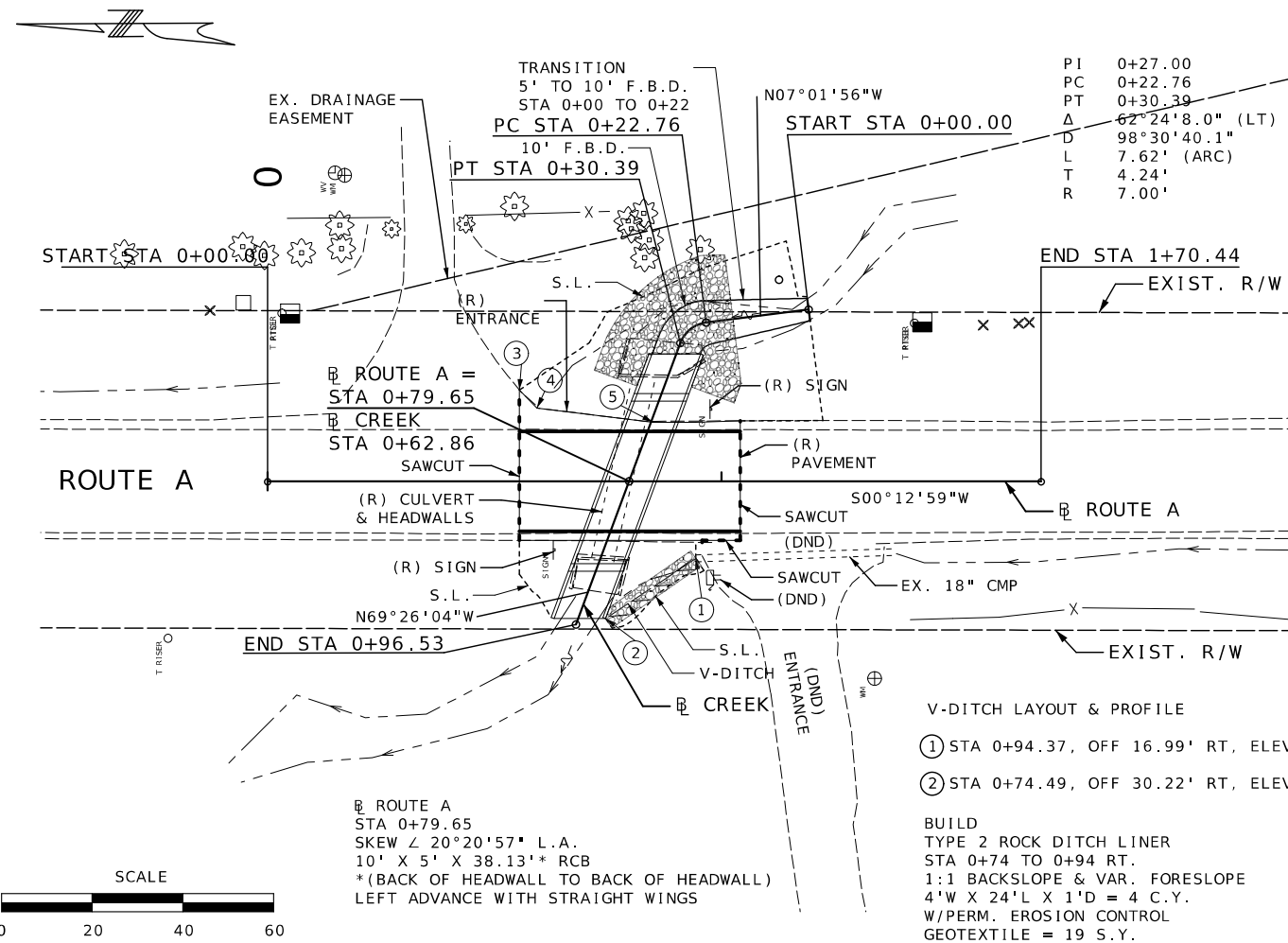
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE								

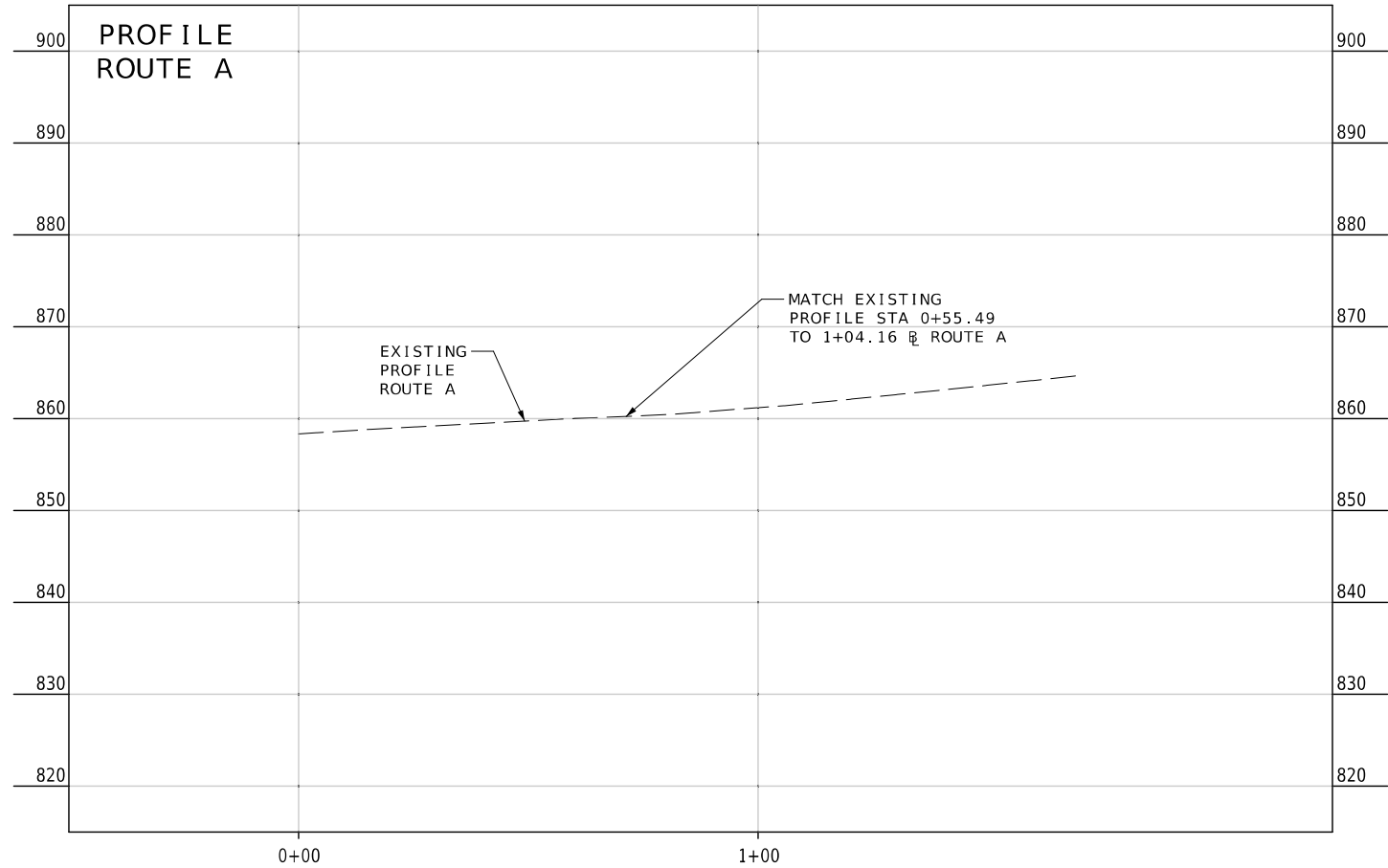
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

EFFECTIVE: 04-01-2024																									
SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL	SIGN	SIZE	AREA	QTY	TOTAL	QTY	TOTAL					
SIGN	IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	SIGN	IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.	SIGN	IN.	SQ.FT.	EACH	SQ.FT.	EACH	SQ.FT.					
WARNING SIGNS							GUIDE SIGNS													ITEM		TOTAL		DESCRIPTION	
DESCRIPTION							DESCRIPTION													NUMBER	QTY	DESCRIPTION			
WO1-1L	48X48	16.00					E05-1	36X48	12.00												6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)		
WO1-1R	48X48	16.00					E05-2	48X36	12.00												6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)		
WO1-2L	48X48	16.00					E05-2a	48X36	12.00												6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)		
WO1-2R	48X48	16.00					GO20-1	60X24	10.00												6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)		
WO1-3L	48X48	16.00					GO20-2	48X24	8.00												6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)		
WO1-3R	48X48	16.00					GO20-4	36X18	4.50												6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)		
WO1-4L	48X48	16.00					GO20-4a	42X30	8.75												6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)		
WO1-4R	48X48	16.00					GO20-4a	18X12	1.50												6122020		REPLACEMENT SAND BARREL		
WO1-4bL	48X48	16.00					GO20-5aP	36X24	6.00												6122030		IMPACT ATTENUATOR (RELOCATION)		
WO1-4bR	48X48	16.00					MO4-8a	24X18	3.00												6123001		TRUCK MOUNTED ATTENUATOR (TMA)		
WO1-4cL	48X48	16.00					MO4-9L	48X36	12.00												6161008		ADVANCED WARNING RAIL SYSTEM		
WO1-4cR	48X48	16.00					MO4-9R	48X36	12.00												6161012		BUOYS (BOATS KEEP OUT)		
WO1-6	60X30	12.50					MO4-9P	48X12	4.00												6161013		BUOYS (NO WAKE)		
WO1-6a	72X36	18.00					MO4-10L	48X18	6.00												6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)		
WO1-7	60X30	12.50					MO4-10R	48X18	6.00												6161025		CHANNELIZER (TRIM LINE)		
WO1-7a	72X36	18.00					REGULATORY SIGNS													6161030	12	TYPE III MOVEABLE BARRICADE			
WO1-8	18X24	3.00					R1-1	48X48	13.25												6161033		DIRECTION INDICATOR BARRICADE		
WO1-8a	30X36	7.50					R1-2	48TRI	6.93												6161040		FLASHING ARROW PANEL		
WO3-1	48X48	16.00					R1-2a	36X36	9.00												6161047		TYPE III OBJECT MARKER		
WO3-2	48X48	16.00					R1-3P	30X12	2.50												6161055		SEQUENTIAL FLASHING WARNING LIGHT		
WO3-3	48X48	16.00					R2-1	36X48	12.00												6161070		TUBULAR MARKER		
WO3-4	48X48	16.00					R3-1	48X48	16.00												6161095		RADAR SPEED ADVISORY SYSTEM		
WO3-5	48X48	16.00					R3-2	48X48	16.00														CHANGEABLE MESSAGE SIGN,		
WO4-1L	48X48	16.00					R3-3	36X36	9.00												6161096		COMMISSION FURNISHED/RETAINED		
WO4-1R	48X48	16.00					R3-4	48X48	16.00														CHANGEABLE MESSAGE SIGN W/O COMM.		
WO4-1aL	48X48	16.00					R3-7L	30X30	6.25												6161098A		INTERFACE - CONTRACTOR FURNISHED/RETAINED		
WO4-1aR	48X48	16.00					R3-7R	30X30	6.25													4	CHANGEABLE MESSAGE SIGN WITH COMM.		
WO5-1	48X48	16.00					R4-1	36X48	12.00												6161099		INTERFACE - CONTRACTOR FURNISHED/RETAINED		
WO5-3	48X48	16.00					R4-2	36X48	12.00												6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM		
WO5-5	48X48	16.00					R4-7a	36X48	12.00												6162002		TEMPORARY LONG-TERM RUMBLE STRIPS		
WO6-1	48X48	16.00					R4-8a	36X48	12.00														TEMPORARY TRAFFIC BARRIER		
WO6-2	48X48	16.00					R5-1	30X30	6.25														CONTRACTOR FURNISHED/RETAINED		
WO6-3	48X48	16.00					R5-1a	36X24	6.00												6173600D		TEMPORARY TRAFFIC BARRIER		
WO7-3a	30X24	5.00					R6-1L	54X18	6.75														CONTRACTOR FURNISHED/COMMISSION RETAINED		
WO8-1	48X48	16.00					R6-1R	54X18	6.75														TEMP. TRAFFIC BARRIER HEIGHT TRANSITION		
WO8-2	48X48	16.00					R6-2L	24X30	5.00														RELOCATING TEMPORARY TRAFFIC BARRIER		
WO8-3	48X48	16.00					R6-2R	24X30	5.00														TEMPORARY TRAFFIC BARRIER		
WO8-4	48X48	16.00					R9-9	24X12	2.00														COMMISSION FURNISHED/RETAINED		
WO8-5	48X48	16.00																					TEMP. TRAFFIC BARRIER HEIGHT TRANSITION		
WO8-6	48X48	16.00					R9-11L	24X18	3.00														COMMISSION FURNISHED/RETAINED		
WO8-6c	48X48	16.00																					TEMPORARY RAISED PAVEMENT MARKER		
WO8-7	36X36	9.00					R9-11R	24X18	3.00														TEMPORARY TRAFFIC SIGNALS		
WO8-7a	36X36	9.00					R10-6	24X36	6.00														TEMPORARY TRAFFIC SIGNALS AND LIGHTING		
WO8-9	48X48	16.00					R11-2	48X30	10.00	2	20														
WO8-11	48X48	16.00																							
WO8-12	48X48	16.00					R11-3a	60X30	12.50	5	63														
WO8-15	48X48	16.00					R11-4	60X30	12.50																
WO8-15P	30X24	5.00					CONST-3A	60X48	20.00																
WO8-17L	48X48	16.00					CONST-3X	56X12	4.67																
WO8-17R	48X48	16.00					MISCELLANEOUS SIGNS																		
WO8-17P	30X24	5.00					CONST-5	48X36	12.00																



FULL DEPTH VERTICAL SAWCUTS					
LOCATION	STA	OFF	STA	OFF	
BL ROUTE A	0+55.49	20.11' LT	0+55.49	13.00' RT	
BL ROUTE A	1+04.16	13.33' LT	1+04.16	13.00' RT	
BL ROUTE A	1+04.16	13.00' RT	0+95.72	13.00' RT	



DATE PREPARED
1/26/2024

ROUTE
A

STATE
MO

DISTRICT
KC

SHEET NO.
4

COUNTY
CLAY

JOB NO.
KU0406

CONTRACT ID.

PROJECT NO.

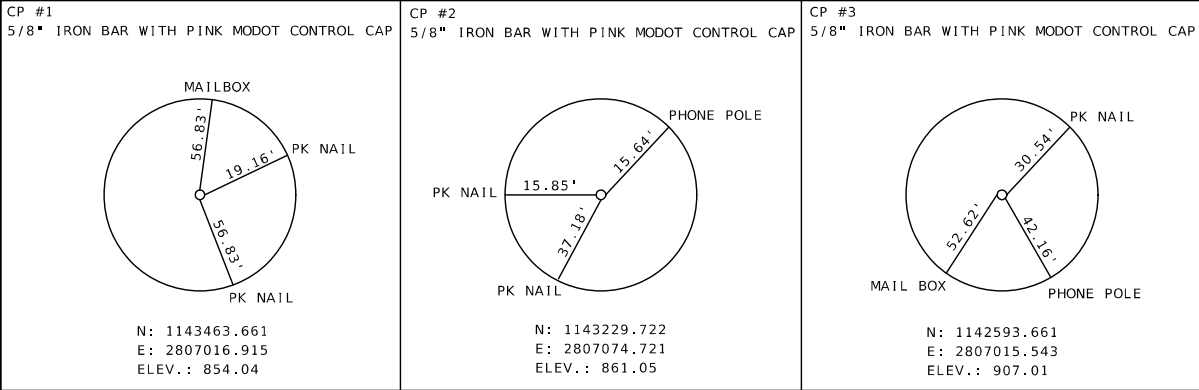
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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



STATE OF MISSOURI

SEAN M. DOMINGO

NUMBER

PE-2022001607

PROFESSIONAL ENGINEER

01/29/2024 8:58:06 AM

SEAN M. DOMINGO - CIVIL

MO-PE-2022001607

DATE PREPARED

1/26/2024

ROUTE

A

DISTRICT

KC

STATE

MO

SHEET NO.

5

COUNTY

CLAY

JOB NO.

KU0406

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES, MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE(GROUND)
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88
GEOID MODEL	GEOID18
ELEVATIONS DETERMINED BY	GPS OBSERVATION
PROJECT PROJECTION FACTOR	1.00009786

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MO COORDINATE SYSTEM OF 1983
CONTROL STATION	MO GEOGRAPHIC REFERENCE SYSTEM
DESIGNATION	CI-84
CORS_ID	XX
PID	47084
LATITUDE	39°20'03.17273"
LONGITUDE	094°26'09.89064"
NORTHING (M)	351553.2240
EASTING (M)	855510.6290
ZONE	WEST
PROJECT AVERAGE GRID FACTOR	0.99990215

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING

PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING

EXAMPLE: CONTROL POINT #___
N _____.____ X _____.____ = N _____.____
E _____.____ X _____.____ = E _____.____

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

COORDINATE POINT LISTING								
SHEET NO	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)			DESCRIPTION	GPK POINT ID
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)		
PROJECT CONTROL POINTS								
		ROUTE A		1143463.661	2807016.915	854.04		
		ROUTE A		1143229.722	2807074.721	861.05		
		ROUTE A		1142593.661	2807015.543	907.01		
ALIGNMENTS								
4	0+00.00	ROUTE A		1143387.828	2807047.406	EXIST.	PR BASELINE POB	
4	1+70.44	ROUTE A		1143217.385	2807046.762	EXIST.	PR BASELINE POE	
4	0+00.00	CL CREEK		1143268.477	2807084.786	854.467	PR BASELINE POB	
4	0+22.76	CL CREEK		1143291.069	2807081.999		PR BASELINE PC	
4	0+30.38	CL CREEK		1143296.766	2807077.511		PR BASELINE PT	
4	0+96.529	CL CREEK		1143320.000	2807015.584	850.630	PR BASELINE POE	

STATE OF MISSOURI

SEAN M. DOMINGO

NUMBER

PE-2022001607

PROFESSIONAL ENGINEER

01/29/2024 9:03:58 AM

SEAN M. DOMINGO - CIVIL

MO-PE-2022001607

DATE PREPARED

1/26/2024

ROUTE

A

STATE

MO

DISTRICT

KC

SHEET NO.

6

COUNTY

CLAY

JOB NO.

KU0406

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

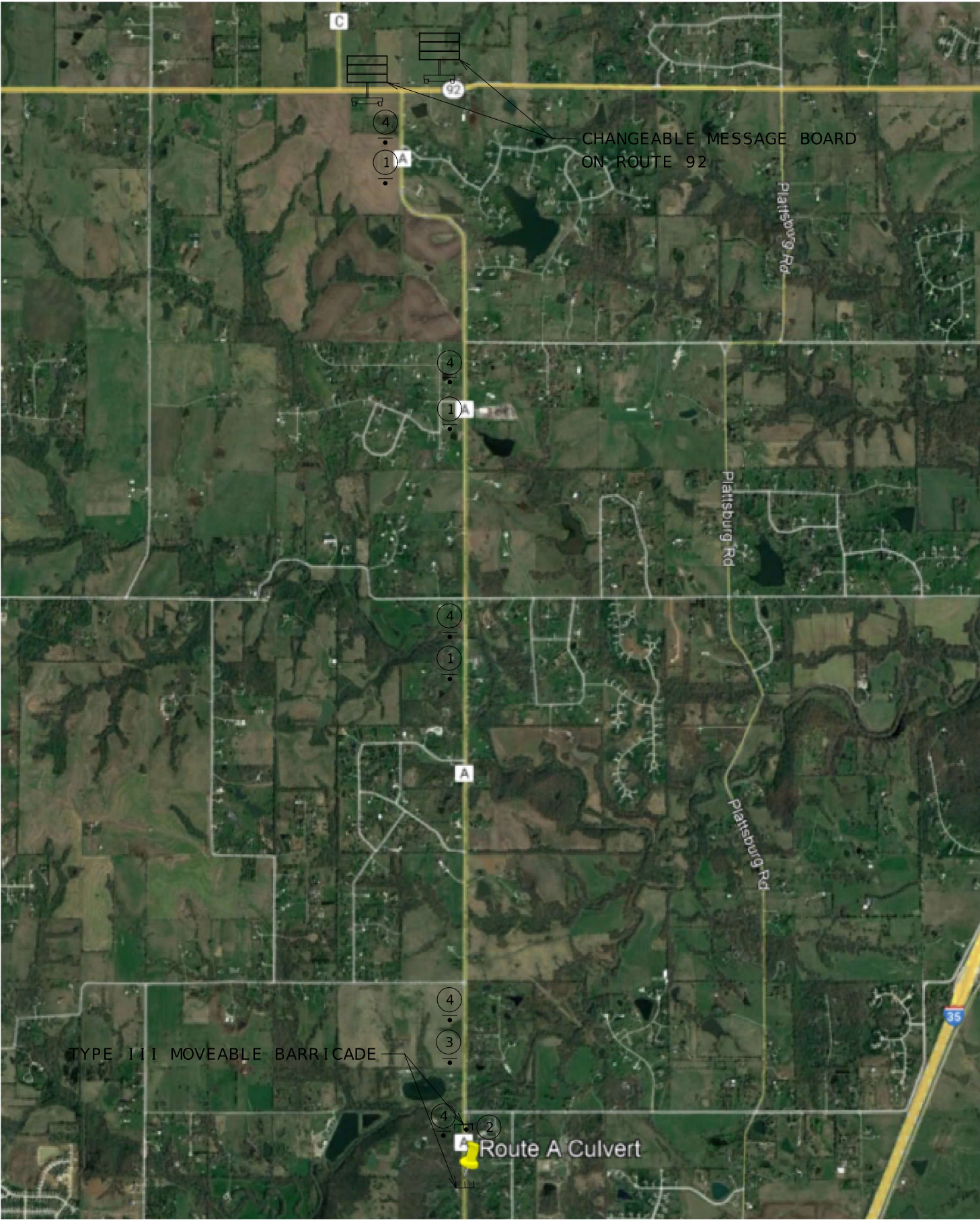
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

MoDOT



ROAD CLOSED
MILES AHEAD
LOCAL TRAFFIC ONLY

R11-3a

1

ROAD
CLOSED

R11-2

2

ROAD
CLOSED
AHEAD

WO20-3

3

NOT TO SCALE



ROAD
WORK
AHEAD

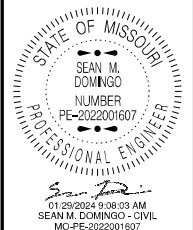
WO20-1

4

BRIDGE

OR

RAMP



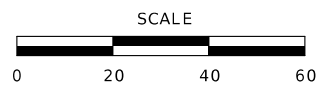
DATE PREPARED
1/26/2024
ROUTE A STATE MO
DISTRICT KC SHEET NO. 7
COUNTY CLAY
JOB NO. KU0406
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

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





		DATE PREPARED	
		1/26/2024	
ROUTE	STATE		
A	MO		
DISTRICT	SHEET NO.		
KC	9		
COUNTY			
CLAY			
JOB NO.			
KU0406			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			
		DATE	
		DESCRIPTION	
