

DESIGN DESIGNATION

A.A.D.T. - 2024 = 17,300
 2044 = 18,800
 D.H.V. = 1,700
 T = 11%
 V = 65 M.P.H.

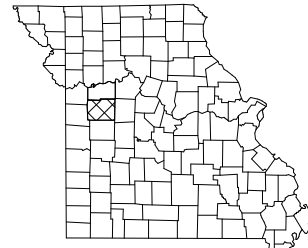
FUNCTIONAL CLASSIFICATION- EXPRESSWAY

NO RW TO BE ACQUIRED

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

JOHNSON COUNTY



KEY MAP
LOCATION OF JOHNSON COUNTY

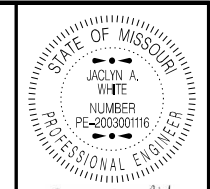
J TURN, ACCEL/DECEL LANES, AND NEW CROSSOVERS



NOT TO SCALE

INDEX OF SHEETS

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DATE PREPARED
1/30/2025

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 1

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

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		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

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

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 192+20
END OF PROJECT	STA. 294+20
APPARENT LENGTH	10,200 FEET
EQUATIONS AND EXCEPTIONS:	
BACK STA. 263+21.06	
AHEAD STA. 289+40.00	

TOTAL CORRECTIONS	2,618.94 FEET
NET LENGTH OF PROJECT	7,581.06 FEET
STATE LENGTH	1.436 MILES
FOR INFORMATION ONLY	
ESTIMATED DISTURBED ACRES	4 ACRES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

OPTIONAL PAVEMENT A:
2" SP125C W/ PG 70-22
OVER 2" SP125C W/ PG 70-22
OVER 6" SP250C W/ PG 64-22

OPTIONAL PAVEMENT B:
8" JPCP WIDENED SLAB
15 FT JOINT SPACING, 1.25" DOWELS

SHOULDER MAY BE CONSTRUCTED AS
FULL DEPTH OR A2

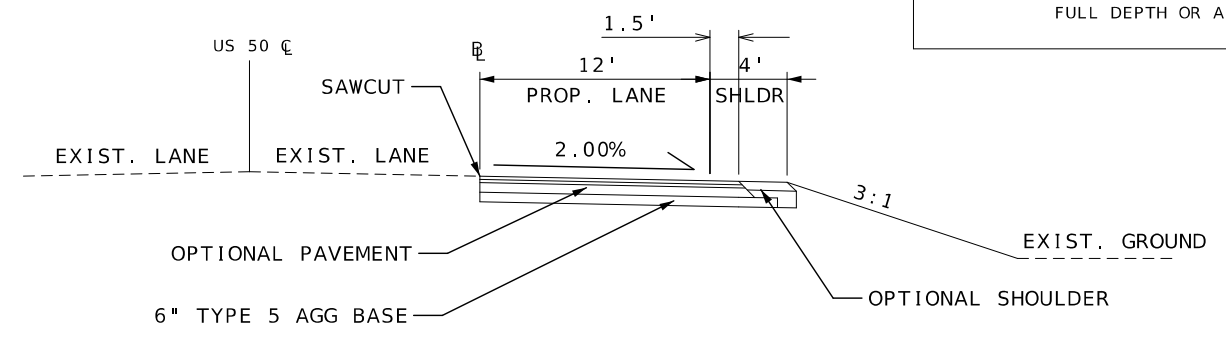
ESTIMATE FACTORS (FOR INFORMATION ONLY):
SP125C - 1.999 TONS/CY
SP250C - 2.001 TONS/CY

TACK COAT - 0.05 GAL/SY

FULL DEPTH PAVEMENT TO BE EXTENDED
1.5' PAST SHOULDER LINE STRIPE, MEASURED
FROM TOP OF PAVEMENT.

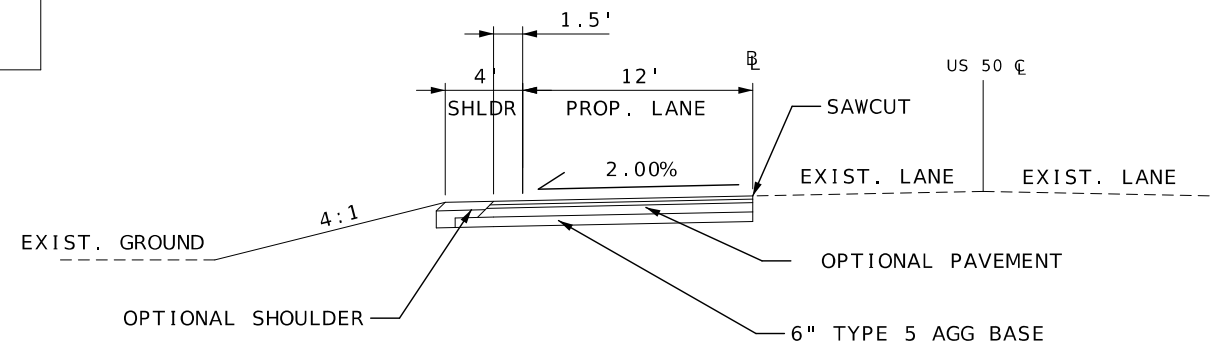
SHOULDERS GREATER THAN 4' WIDTH MUST BE
CONSTRUCTED AS A2 SHOULDERS

TYPICAL SECTIONS SHOWN
WITH ASPHALT PAVEMENT AND A2 SHOULDERS



TYPICAL SECTION
WEST J TURN ACCEL/DECEL ▬
STA. 8+06.21 TO STA. 14+78.77

EAST J TURN ACCEL ▬
STA. 0+00.00 TO STA. 6+42.41



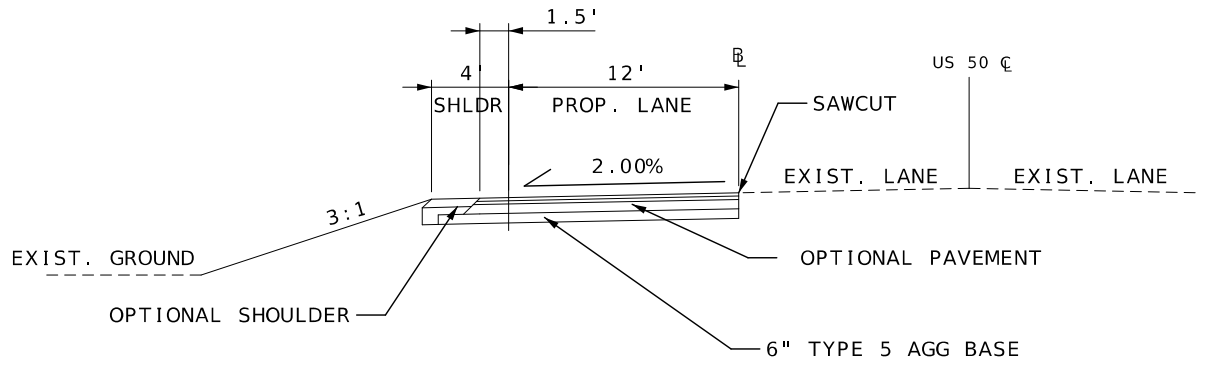
TYPICAL SECTION
POWELL CROSSOVER ▬
STA. 0+00.00 TO STA. 5+21.31

1601 CROSSOVER 1 ▬
STA. 0+00.00 TO STA. 4+99.03

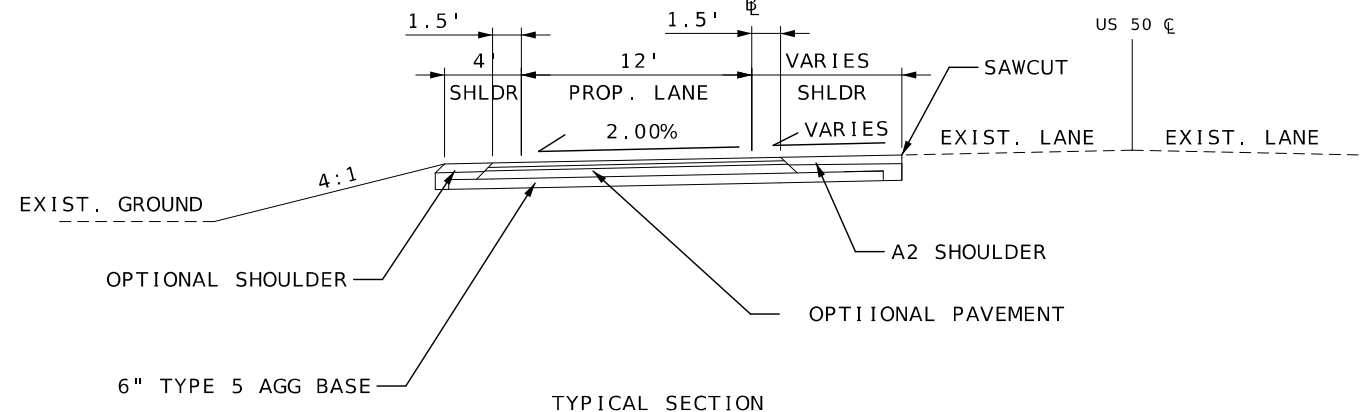
1601 CROSSOVER 2 ▬
STA. 0+00.00 TO STA. 4+21.22

550 CROSSOVER ▬
STA. 0+00.00 TO STA. 5+20.06

EAST J TURN DECEL ▬
STA. 0+00.00 TO STA. 6+45.86



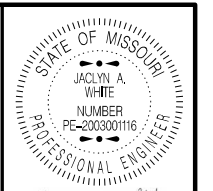
TYPICAL SECTION
WEST J TURN ACCEL/DECEL ▬
STA. 0+00.00 TO STA. 6+73.43



TYPICAL SECTION
POWELL CROSSOVER ▬
STA. 5+21.31 TO STA. 7+80.37

1601 CROSSOVER 1 ▬
STA. 4+99.03 TO STA. 5+91.58

550 CROSSOVER ▬
STA. 5+20.06 TO STA. 7+43.55



DATE PREPARED
12/31/2024

ROUTE STATE
50 MO

DISTRICT SHEET NO.
KC 2

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

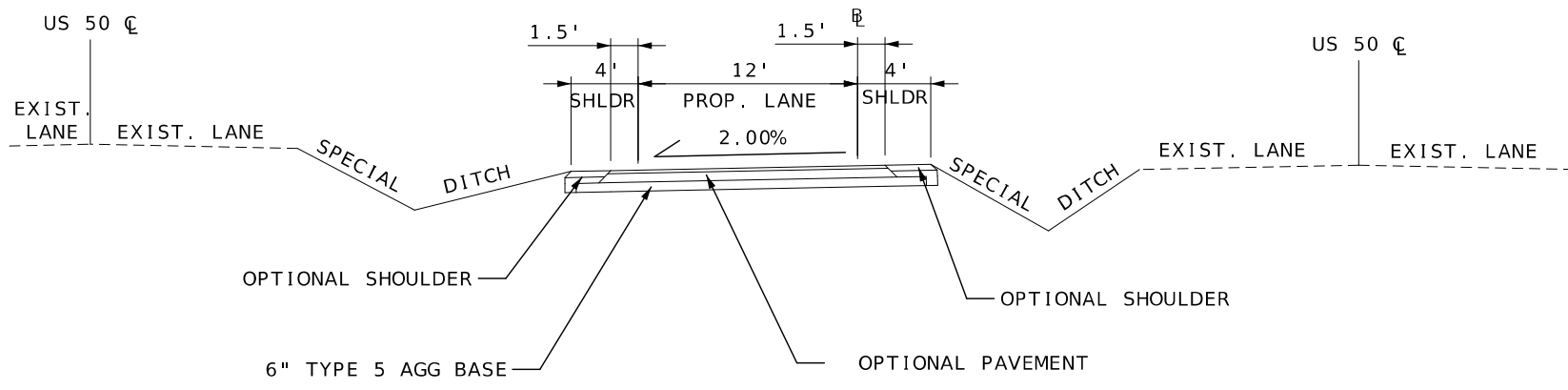
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



TYPICAL SECTION
POWELL CROSSOVER ▬
STA. 7+80.37 TO STA. 9+30.81

1601 CROSSOVER 1 ▬
STA. 6+96.83 TO STA. 9+38.70

1601 CROSSOVER 2 ▬
STA. 7+26.76 TO STA. 9+32.09

550 CROSSOVER ▬
STA. 7+43.55 TO STA. 9+60.81

OPTIONAL PAVEMENT A:
2" SP125C W/ PG 70-22
OVER 2" SP125C W/ PG 70-22
OVER 6" SP250C W/ PG 64-22

OPTIONAL PAVEMENT B:
8" JPCP WIDENED SLAB
15 FT JOINT SPACING, 1.25" DOWELS

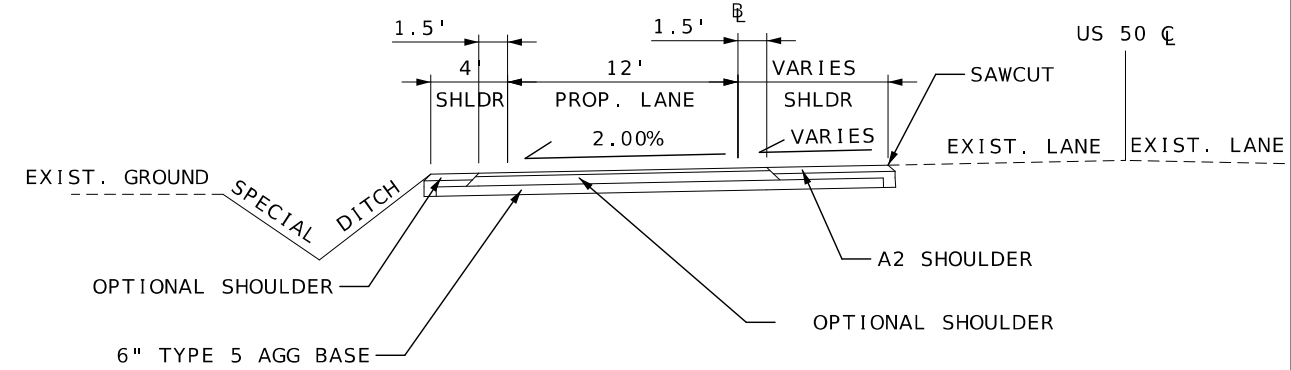
SHOULDER MAY BE CONSTRUCTED AS
FULL DEPTH OR A2

ESTIMATE FACTORS (FOR INFORMATION ONLY):
SP125C - 1.999 TONS/CY
SP250C - 2.001 TONS/CY
TACK COAT - 0.05 GAL/SY

FULL DEPTH PAVEMENT TO BE EXTENDED
1.5' PAST SHOULDER LINE STRIPE, MEASURED
FROM TOP OF PAVEMENT.

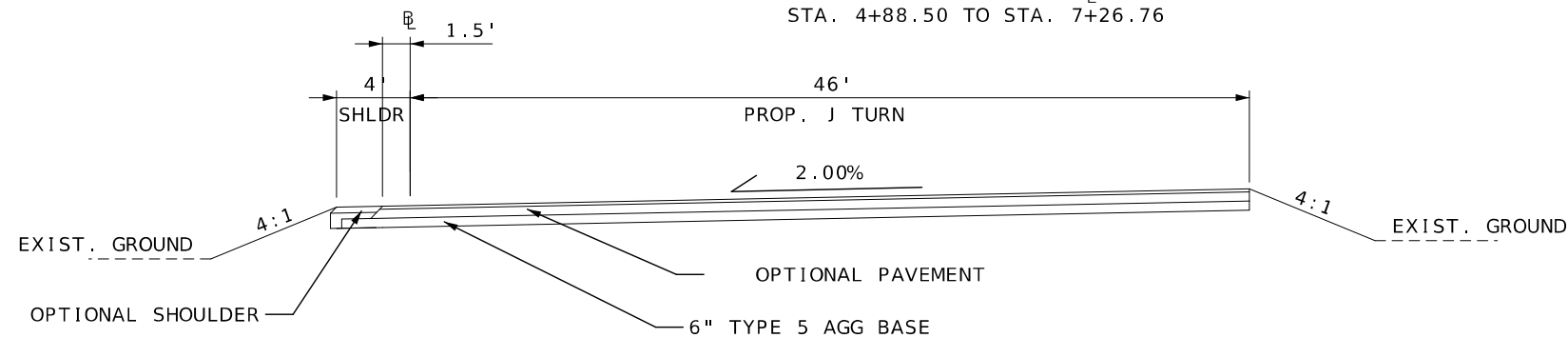
SHOULDER WIDTHS GREATER THAN 4' MUST BE
CONSTRUCTED AS A2 SHOULDERS

TYPICAL SECTIONS SHOWN
WITH ASPHALT PAVEMENT AND A2 SHOULDER

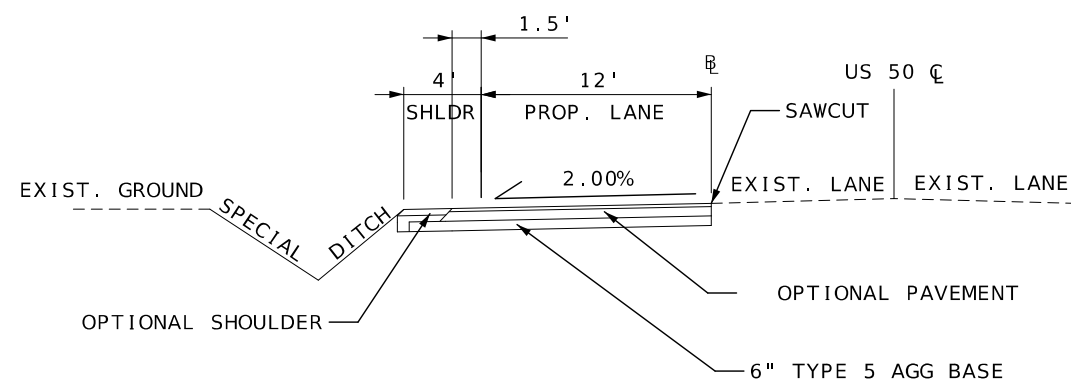


TYPICAL SECTION
1601 CROSSOVER 1 ▬
STA. 5+91.58 TO STA. 6+96.83

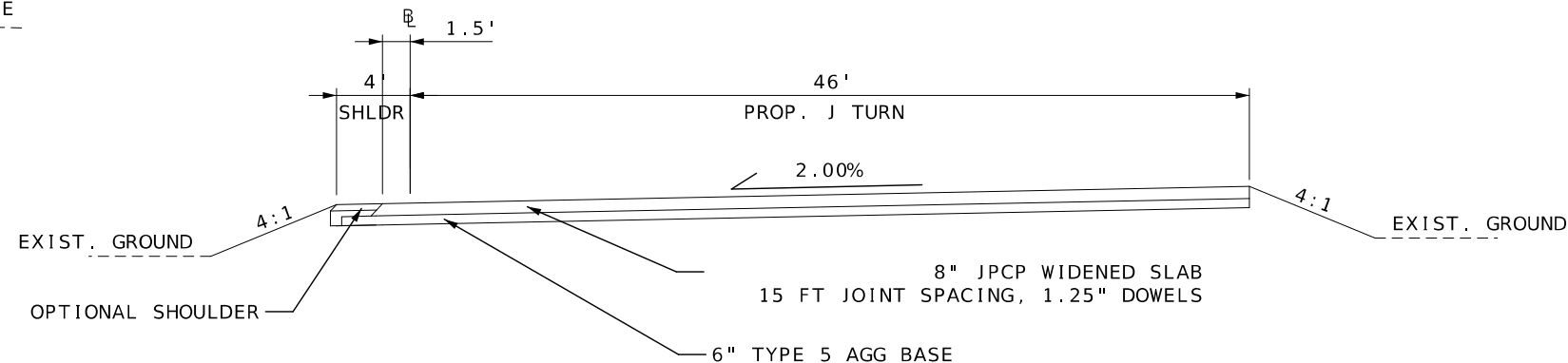
1601 CROSSOVER 2 ▬
STA. 4+88.50 TO STA. 7+26.76



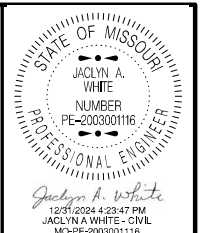
TYPICAL SECTION
J TURN CURVE ▬
STA. 0+00.00 TO STA. 1+13.16



TYPICAL SECTION
1601 CROSSOVER 2 ▬
STA. 4+21.22 TO STA. 4+88.50



TYPICAL SECTION
EAST J TURN ▬
STA. 0+00.00 TO STA. 1+28.46



DATE PREPARED
12/31/2024

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 2

COUNTY
JOHNSON

JOB NO.
JKR0134

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)

CULVERTS

LOCATION	STA.	STA.	GROUP A PIPE		GROUP A F.E.S.		18" REINFORCED CONCRETE PIPES CLASS IV (LF)	18 " PRECAST CONCRETE F.E.S. (EACH)	23"X14" ELLIPTICAL CONCRETE PIPES CLASS IV (LF)	23"X14" ELLIPTICAL FLARED END SECTION (EACH)	TYPE A PIPE COLLAR (EACH)	CLASS 3 EXCAVATION (CY)	SHEET
			18" (LF)	15" (LF)	18" (EACH)	15" (EACH)							
J TURN CURVE BL	0+18.79	0+50.15	84										4
POWELL CROSSOVER BL	2+29.61	2+84.18					35	2				8	9
1601 CROSSOVER 1 BL	4+68.82	5+04.28					35	2				13	13
1601 CROSSOVER 2 BL	5+13.95	5+65.06					47	2				17	14
US 50 WB CL	228+28.29	228+46.91		16							1	1	13
US 50 EB CL	227+48.70	228+44.33		91								18	13
EAST J TURN BL	0+65.95	0+67.90							51	2			23
TOTAL			84	107	2	3	117	6	51	2	1	57	

MEDIAN CULVERT REPAIR

LOCATION	STA.	18" GROUP B PIPE (LF)	5' X 3' PRECAST CONCRETE DROP INLET (LF)	TYPE A PIPE COLLAR (EACH)	CLASS A EXCAVATION (CY)	COMPACTING EMBANKMENT (CY)	TEMPORARY SHORING (LS)	REMARKS
US 50 EB CL	217+75	17		2	108		1	
TOTAL			3	2	108		1	QUANTITIES ARE APPROX. AND FOR INFO ONLY

LUMP SUM

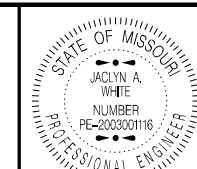
EARTHWORK

LOCATION	STA.	STA.	UNCLASSIFIED EXCAVATION (CY)	COMPACTING EMBANKMENT (CY)	EMBANKMENT IN PLACE (CY)	REMARKS
WEST J TURN ACCEL DECEL BL	0+00.00	6+73.53	130.3	130.3	494.0	WEST J TURN DECEL LANE: OBTAIN 494.0 CY FROM 1601 CROSSOVER 1
J TURN CURVE BL	0+00.00	1+13.16	47.1	47.1	196.5	J TURN CURVE: OBTAIN 34.9 CY FROM 1601 CROSSOVER 1 AND 161.6 CY FROM 1601 CROSSOVER 2
WEST J TURN ACCEL DECEL BL	8+06.21	14+78.77	258.9	258.9	105.6	WEST J TURN ACCEL LANE: OBTAIN 105.6 CY FROM 1601 CROSSOVER 2
POWELL CROSSOVER BL	0+00.00	9+30.78	703.3	506.0		USE 12.6 CY AT POWELL MEDIAN DITCH, DISPOSE OF EXCESS 184.7 CY
US 50 WB CL	209+44.90	211+77.61	70.2	82.8		POWELL MEDIAN DITCH: OBTAIN 12.6 CY FROM POWELL CROSSOVER
1601 CROSSOVER 1 BL	0+00.00	9+38.79	912.0	383.1		USE 494.0 CY AT WEST J TURN DECEL LANE, USE 34.9 CY AT J TURN CURVE
1601 CROSSOVER 2 BL	0+00.00	8+50.00	693.4	319.7		USE 161.6 CY AT J TURN CURVE, USE 105.6 CY AT WEST J TURN ACCEL LANE, USE 106.5 CY AT EAST J TURN
550 CROSSOVER BL	0+00.00	9+60.91	645.7	392.6		USE 253.1 CY AT EAST J TURN DECEL LANE
US 50 EB CL	255+27.05	255+50.00	17.7	2.6		550 MEDIAN DITCH: USE 15.1 CY AT EAST J TURN DECEL LANE
EAST J TURN DECEL BL	0+00.00	6+45.86	160.1	160.1	415.7	EAST J TURN DECEL LANE: OBTAIN 253.1 CY FROM 550 CROSSOVER AND 15.1 CY FROM 550 MEDIAN DITCH
EAST J TURN BL	0+00.00	1+28.46	45.7	45.7	109.4	EAST J TURN: OBTAIN 106.5 CY FROM 1601 CROSSOVER 2
EAST J TURN ACCEL BL	0+00.00	6+42.41	259.2	259.2	52.0	
TOTAL			3944	2588	1373	

PAVEMENT MARKING

LOCATION	STA.	STA.	HIGH BUILD WATERBORNE					PREFORMED THERMOPLASTIC			REMARKS	
			6" WHITE		6" YELLOW SOLID (LF)	4" WHITE SOLID (LF)	4" YELLOW SOLID (LF)	12" WHITE YIELD LINE TRIANGLES (EACH)	24" WHITE DIAGONAL SOLID 50' SPACING (LF)	LEFT/RIGHT ARROW (EACH)		
			SOLID (LF)	DOTTED (9FT GAP) (LF)								
US 50 WB CL	192+56	199+96	244	124	674						2	WEST DECEL LANE
US 50 WB CL	192+43	193+23	62		78							WEST J TURN
US 50 EB CL	191+94	199+35	1031	98								WEST ACCEL LANE
US 50 EB CL	199+04	208+24	542	97	903							POWELL CROSSOVER
US 50 EB CL	203+75	211+14			738							EB MAINLINE
US 50 WB CL	207+43	208+66			123							WB MAINLINE
US 50 WB CL	208+90	211+78			288							WB MAINLINE
US 50 WB CL	208+76	208+91				59		15				PROPOSED ISLAND
US 50 EB CL	218+94	228+27	575	91	902				1	57	2	1601 CROSSOVER 1
US 50 EB CL	223+43	227+81			438							EB MAINLINE
US 50 EB CL	228+21	229+15			94							EB MAINLINE
US 50 WB CL	227+50	228+56			106							WB MAINLINE
US 50 WB CL	228+90	233+36			446							WB MAINLINE
US 50 WB CL	228+61	228+76					67	80				PROPOSED ISLAND LT
US 50 EB CL	227+93	228+18					81	80				PROPOSED ISLAND RT
US 50 EB CL	227+81	237+08	618	79	889				1	69	2	1601 CROSSOVER 2
US 50 WB CL	256+17	291+84	599	90	928				1	40	2	550 CROSSOVER
US 50 WB CL	257+04	260+96			392							WB MAINLINE
US 50 EB CL	255+26	255+90			64							EB MAINLINE
US 50 EB CL	256+23	256+89			66							EB MAINLINE
US 50 EB CL	260+43	267+58	250	116	646							EAST DECEL LANE
US 50 EB CL	266+89	267+73	74		99						2	EAST J TURN
US 50 WB CL	260+53	293+86	980	95								EAST ACCEL LANE
TOTALS				5765	7874	207	175		4	254	12	

SUMMARY OF QUANTITIES
SHEET 2 OF 5



DATE PREPARED
12/31/2024

ROUTE **50** STATE **MO**

DISTRICT **KC** SHEET NO. **3**

COUNTY
JOHNSON

JOB NO.
JKR0134

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)

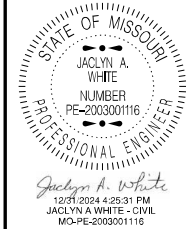
SIGNS		
LOCATION	STA.	RELOCATION OF EXIST. SIGNS (EACH)
US 50 EB CL	193+54	2
US 50 WB CL	209+94	1
US 50 EB CL	225+04	1
US 50 EB CL	231+13	1
US 50 EB CL	255+28	1
US 50 WB CL	257+05	1
TOTAL		7

CHANNELIZING ISLAND				
LOCATION	STA.	STA.	3 IN. CONCRETE MEDIAN STRIP (SY)	DESCRIPTION
US 50 WB CL	208+75	208+91	12	POWELL ENTRANCE
US 50 WB CL	228+61	228+76	14	1601 LT ENTRANCE
US 50 EB CL	227+93	228+18	16	1601 RT ENTRANCE
TOTAL			42	

ADDITIONAL MOBILIZATION FOR SEEDING	
TOTAL	4 EACH

PAVEMENT MARKING REMOVAL				
LOCATION	STA.	STA.	(LF)	DESCRIPTION
US 50 WB CL	209+02	209+23	78	POWELL EXIST. ISLAND MARKING
US 50 WB CL	208+89		15	POWELL ENTRANCE MIDDLE LINE
TOTAL			93.0	

EROSION CONTROL									
LOCATION	STA.	STA.	ALT DITCH CHECK (LF)	SEDIMENT TRAP (CY)	SILT FENCE (LF)	SEDIMENT REMOVAL (CY)	TYPE 3 TURF REINFORCEMENT MAT (SY)	TYPE 3B EROSION CONTROL BLANKET (SY)	REMARKS
US 50 EB CL	192+71	199+37	370			37			19 CHECKS @ 37' SPACING
US 50 EB CL	191+53			1		1			
US 50 EB CL	191+58	196+18			460	4.6			
US 50 EB CL	196+68	199+47			279	2.8			
US 50 EB CL	196+51	197+70	90			9			9 CHECKS @ 15' SPACING
US 50 EB CL	197+85	199+33	30			3			3 CHECKS @ 75' SPACING
US 50 EB CL	196+38			1		1			
US 50 EB CL	191+63	199+56					1214	1604	WEST J TURN MATS/BLANKETS
US 50 EB CL	201+06		10			1			1 CHECK @ 75' SPACING
US 50 EB CL	202+14	206+65	100			10			10 CHECKS @ 50' SPACING
US 50 EB CL	207+15			1		1			
US 50 EB CL	206+94	207+47	50			5			5 CHECKS @ 13' SPACING
US 50 EB CL	208+12	211+13	70			7			7 CHECKS @ 50' SPACING
US 50 EB CL	211+32			1		1			
US 50 EB CL	199+04	211+14					1997	1529	POWELL CROSSOVER MATS/BLANKETS
US 50 EB CL	218+82	224+79	290			29			29 CHECKS @ 21' SPACING
US 50 EB CL	224+95		10			1			1 CHECK @ 75' SPACING
US 50 EB CL	225+67	226+72	90			9			9 CHECKS @ 13' SPACING
US 50 EB CL	226+87	227+19	30			3			3 CHECKS @ 16' SPACING
US 50 EB CL	226+15	228+38	70			7			7 CHECKS @ 16' SPACING
US 50 EB CL	229+38		10			1			1 CHECK @ 100' SPACING
US 50 EB CL	218+70			1		1			
US 50 EB CL	229+48		10			1			1 CHECK BEFORE OUTLET
US 50 EB CL	229+91		10			1			1 CHECK BEFORE INLET
US 50 EB CL	230+06	231+37	20			2			2 CHECKS @ 130' SPACING
US 50 EB CL	234+28	237+28	50			5			5 CHECKS AT 75' SPACING
US 50 EB CL	237+50			1		1			
US 50 EB CL	218+76	237+36					3266	2037	1601 CROSSOVER MATS/BLANKETS
US 50 EB CL	255+02			1		1			
US 50 EB CL	255+29	256+79	20			2			2 CHECKS @ 150' SPACING
US 50 EB CL	256+86	261+73	140			14			14 CHECKS @ 37' SPACING
US 50 EB CL	262+05	265+68	130			13			13 CHECKS @ 30' SPACING
US 50 EB CL	265+82			1		1			
US 50 EB CL	255+12	265+75					1951	1189	550 CROSSOVER MATS/BLANKETS
US 50 WB CL	260+57	293+46	190			19			19 CHECKS @ 37' SPACING
US 50 WB CL	293+61	293+90	30			3			3 CHECKS @ 15' SPACING
US 50 WB CL	294+07			1		1			
US 50 WB CL	291+88	293+37	50			5			5 CHECKS @ 37' SPACING
US 50 WB CL	294+31			1		1			
US 50 WB CL	260+51	294+10					1534	958	EAST J TURN MATS/BLANKETS
US 50 EB CL	216+77	217+14	20			2			2 CHECKS @ 37' SPACING
US 50 EB CL	217+52			1		1			
US 50 EB CL	218+12			1		1			
US 50 EB CL	218+50	218+87	20			2			2 CHECKS @ 37' SPACING
TOTAL			1910	12	739	210	9962	7317	



DATE PREPARED
12/31/2024

ROUTE **50** STATE **MO**

DISTRICT **KC** SHEET NO. **3**

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE



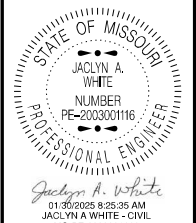
LIGHTING										
POLE OR PULLBOX ID	LOCATION	STA	OFFSET	LIGHTING POLE 45 FT. TYPE AT DESIGN 1 EA	LIGHTING POLE 45 FT. TYPE AT DESIGN 2 EA	POLE FOUNDATION 45 FT. EA	LUMINAIRE LED-B EA	BRACKET ARM 15 FT. EA	10 AWG CABLE 1 CONDUCTOR POLE AND BRACKET LF	PREFORMED PULL BOX CLASS 1 EA
PB1	US 50 EB CL	221+65.42	52.94' RT							1
PB2	US 50 EB CL	216+66.16	34.30' RT							1
PB3	US 50 EB CL	211+66.54	46.22' RT							1
PB4	US 50 EB CL	206+97.94	33.99' RT							1
PB8	US 50 WB CL	207+61.39	27.00' LT							1
A1 & A2	US 50 WB CL	208+13.49	41.28' LT	1		1	2	2	120	
PB5	US 50 EB CL	201+94.78	38.89' RT							1
PB6	US 50 EB CL	201+13.18	44.55' RT							1
A3	US 50 EB CL	197+85.33	43.33' RT	1		1	1	1	120	
PB7	US 50 EB CL	197+43.55	45.35' RT							1
PB9	US 50 WB CL	198+15.68	43.48' LT							1
A4	US 50 WB CL	198+46.33	41.09' LT	1		1	1	1	120	
A5	US 50 EB CL	192+37.16	50.27' RT	1		1	1	1	120	
PB10	US 50 EB CL	228+27.28	56.33' RT							1
PB11	US 50 WB CL	260+65.52	45.41' LT							1
C1	US 50 WB CL	261+84.99	45.14' LT	1		1	1	1	120	
PB12	US 50 WB CL	293+01.59	46.09' LT							1
C2	US 50 WB CL	293+40.55	50.90' LT	1		1	1	1	120	
C3	US 50 EB CL	261+66.48	42.63' RT	1		1	1	1	120	
PB13	US 50 EB CL	261+50.04	45.85' RT							1
PAY TOTAL				1	6	7	8	8	840	13

BASE MOUNTED LIGHTING CONTROL STATION			
CONTROLLER ID	STA	OFFSET	CONTROL STATION 240 VOLT EA
CT1	228+61.40	56.87' RT	1
CT2	260+44.34	55.00' LT	1
PAY TOTAL			2

POWER SUPPLY ASSEMBLY (LIGHTING ONLY)			
POWER SUPPLY ID	STA	OFFSET	TYPE 2 240 VOLT EA
PS1	226+73.94	69.38' RT	1
PS2	260+32.05	55.34' LT	1
PAY TOTAL			2

1" CABLE CONDUIT (2 CONDUCTORS AND 1 BARE NEUTRAL)													
FROM	TO	CIRCUIT	CENTER TO CENTER (LF)	5% FOR SNAKING (LF)	CONTROLLER OR POWER SUPPLY (LF)	PULL BOX OR LIGHT POLE (LF)	CABLE 2 AWG (LF)	CABLE 8 AWG (LF)	CABLE 6 AWG (LF)	TRENCHING TYPE 1 (LF)	2" RIGID CONDUIT IN TRENCH (LF)	4" RIGID CONDUIT PUSHED (LF)	REMARKS
POLE1	PS1	A	115.2	5.8	25		146.0				10.0		POWER POLE TO POWER SUPPLY 1
PS1	CT1	A	13.7	0.7	16		30.4				13.7		POWER SUPPLY 1 TO CONTROLLER 1
CT1	PB1	A	493.0	24.7		6		523.7	493.0				CONTROLLER 1 TO PULL BOX 1
PB1	PB2	A	499.6	25.0		6		530.6	499.6				
PB2	PB3	A	499.8	25.0		6		530.8	499.8				
PB3	PB4	A	468.8	23.4		6		498.2	468.8				SPLICE TO PB5 (CIRCUIT A1) AND PB8 (CIRCUIT A2)
PB4	PB8	A2	145.9	7.3		6		159.2				145.9	
PB8	A1, A2	A2	54.0	2.7		5		61.7	54.0				
PB4	PB5	A1	502.9	25.1		6		534.0	502.9				
PB5	PB6	A1	81.7	4.1		6		91.8				81.7	
PB6	A3	A1	327.4	16.4		5		348.8	327.4				
A4	PB7	A1	41.8	2.1		6		49.9	41.8				SPLICE TO PB9 (CIRCUIT A3) AND A6 (CIRCUIT A1)
PB7	PB9	A3	174.8	8.7		6		189.5				174.8	
PB9	A4	A3	30.8	1.5		5		37.3	30.8				
PB7	A6	A1	507.0	25.4		5		537.4	507.0				
PB10	B1, B2	B	23.1	1.2		6		30.3	23.1				RELOCATE EXISTING LIGHT POLE B1 & B2
POLE 2	PS2	C	10.2	0.5	16		26.7				13.7		POWER POLE TO POWER SUPPLY 2
PS2	CT2	C	12.1	0.6	16		28.7				13.7		POWER SUPPLY 2 TO CONTROLLER 2
CT2	PB11	C1	22.9	1.1		12		60.0		22.9			
PB11	C1	C1	117.6	5.9		5		128.5		117.6			
C1	PB12	C1	495.5	24.8		6		526.3		495.5			
PB12	C2	C1	39.3	2.0		5		46.3		39.3			
PB11	PB13	C2	199.4	10.0		6		215.4				199.4	
PB13	C3	C2	19.0	1.0		5		25.0		19.0			
SUBTOTAL							231.8	1001.5	4123.2	4142.5	51.1	601.8	
PAY TOTAL							230	1000	4120	4143	51	602	

RELOCATE LIGHT POLE				
LIGHT POLE ID	LOCATION	STA	OFFSET	RELOCATE LIGHT POLE 45' TYPE AT EA
B1 & B2	US 50 EB CL	228+22.89	52.50' RT	1
RELOCATE TO	US 50 EB CL	228+45.55	42.18' RT	
PAY TOTAL				1



DATE PREPARED
1/30/2025
ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 3
COUNTY JOHNSON
JOB NO. JKR0134
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)



DATE PREPARED
12/31/2024

ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 4

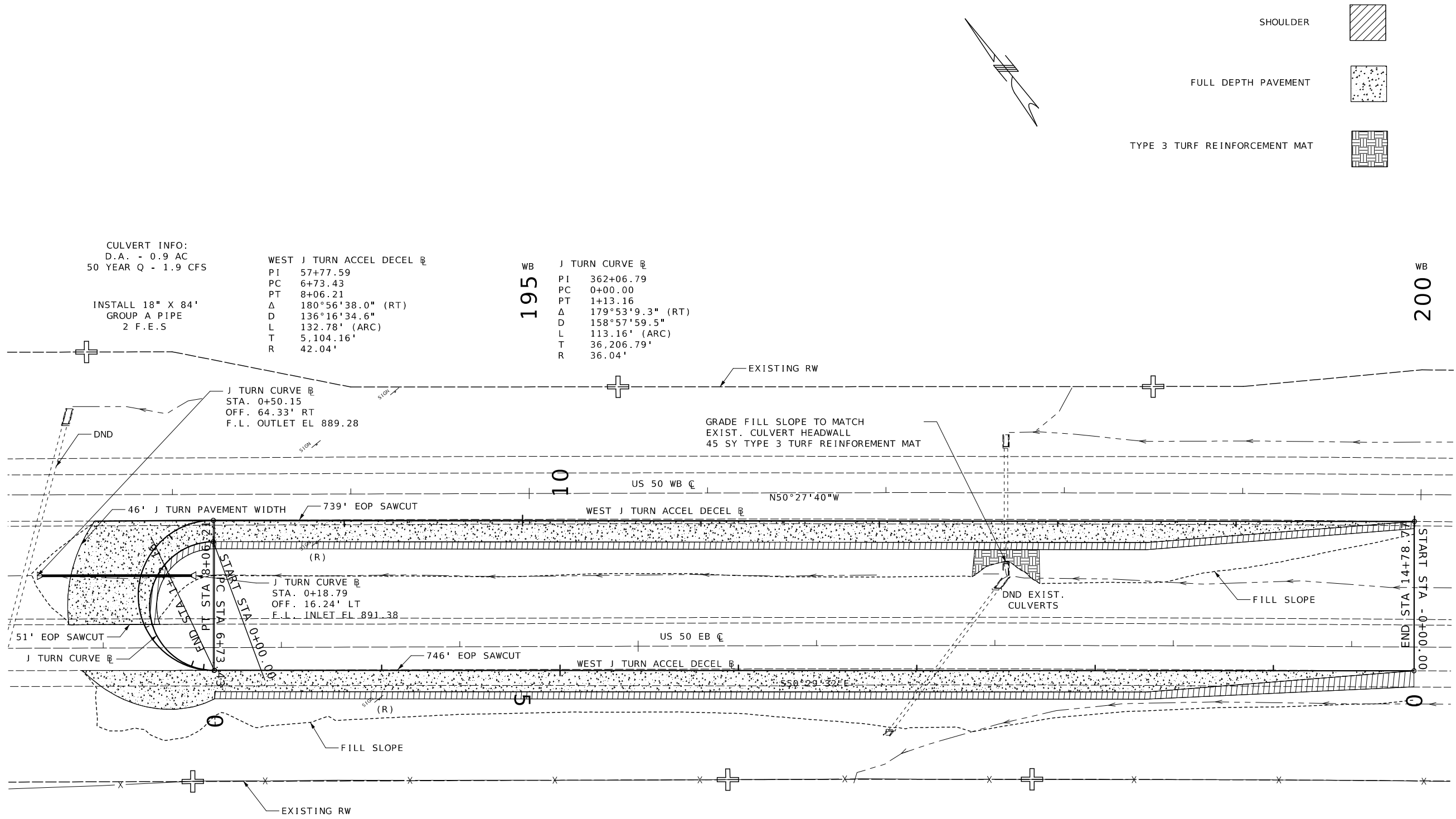
COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.

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)



CULVERT INFO:
D.A. - 0.9 AC
50 YEAR Q - 1.9 CFS

INSTALL 18" X 84'
GROUP A PIPE
2 F.E.S

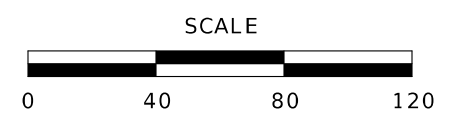
WEST J TURN ACCEL DECEL R
 PI 57+77.59
 PC 6+73.43
 PT 8+06.21
 Δ 180°56'38.0" (RT)
 D 136°16'34.6"
 L 132.78' (ARC)
 T 5,104.16'
 R 42.04'

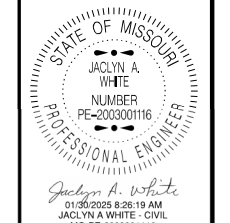
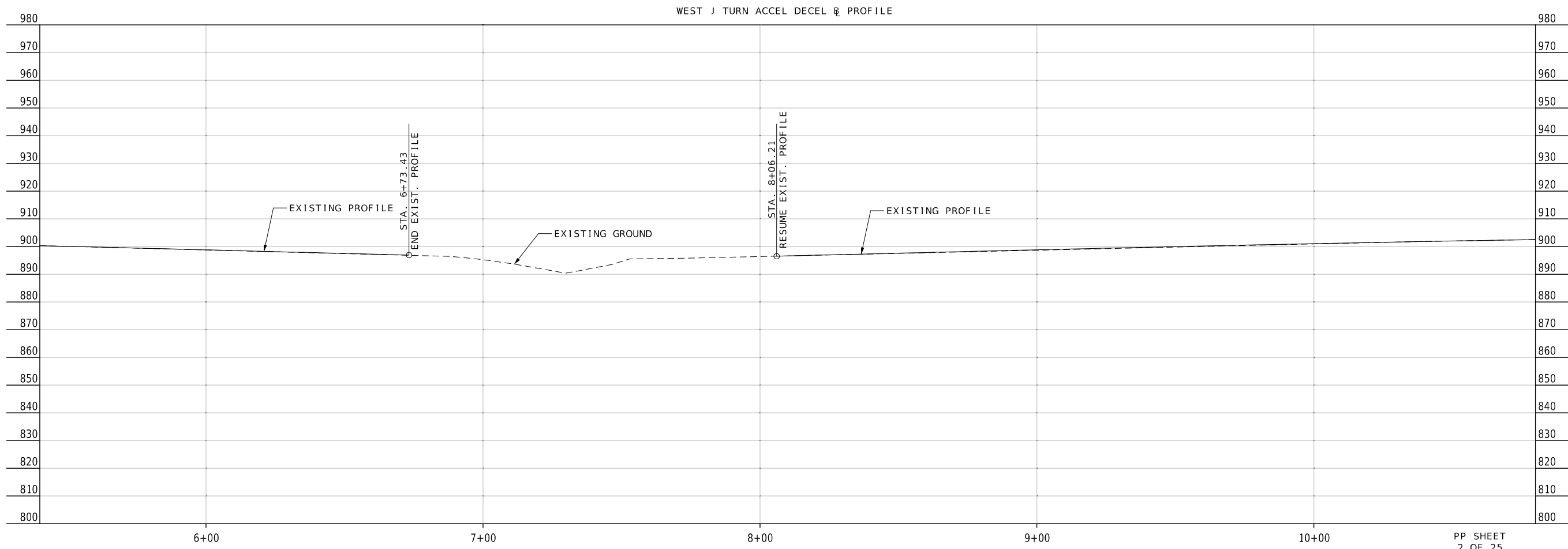
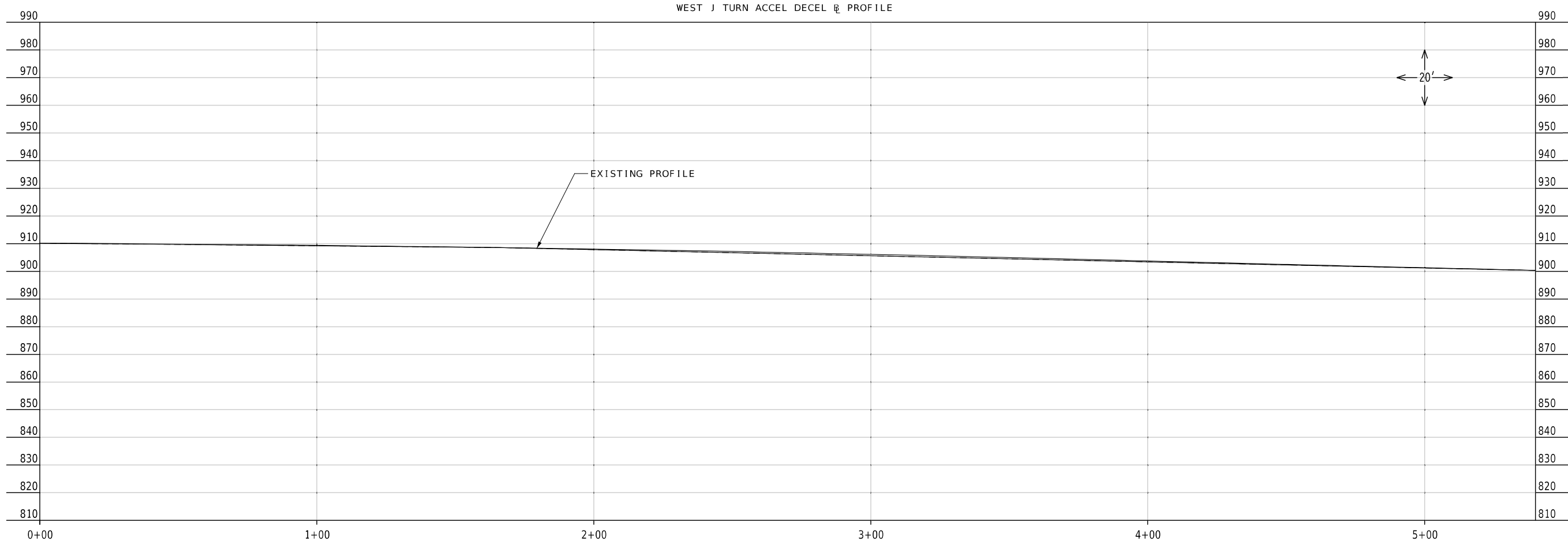
WB J TURN CURVE R
 PI 362+06.79
 PC 0+00.00
 PT 1+13.16
 Δ 179°53'9.3" (RT)
 D 158°57'59.5"
 L 113.16' (ARC)
 T 36,206.79'
 R 36.04'

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

195^{EB}

PLAN/PROFILE SHEET
1 OF 25





DATE PREPARED
1/30/2025

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 5

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

PROJECT NO.

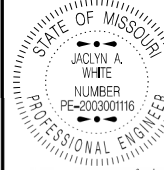
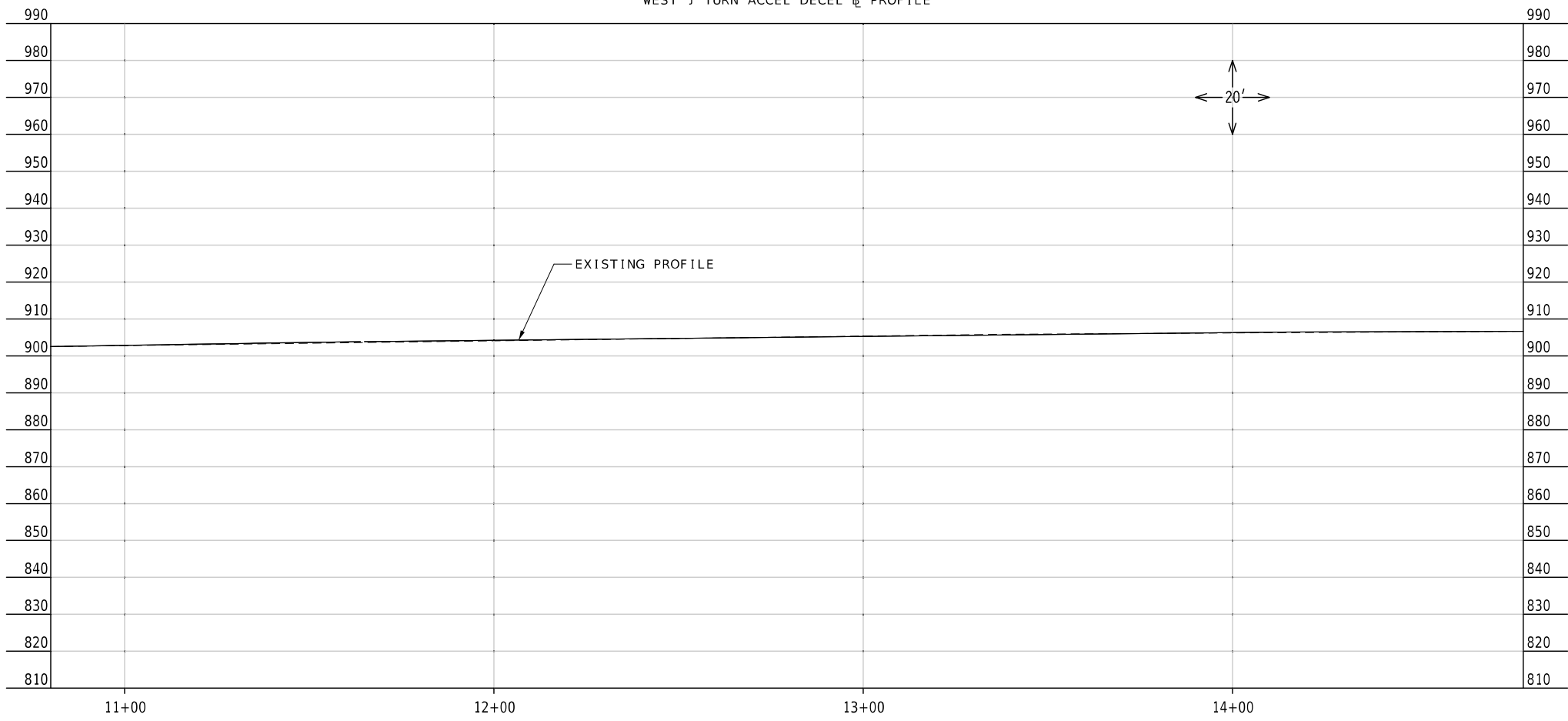
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

WEST J TURN ACCEL DECEL & PROFILE



Jaclyn A. White
01/30/2025 8:26:58 AM
JACLYN A WHITE - CIVIL
MO-PE-200300116

DATE PREPARED
1/30/2025

ROUTE STATE
50 MO

DISTRICT SHEET NO.
KC 6

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

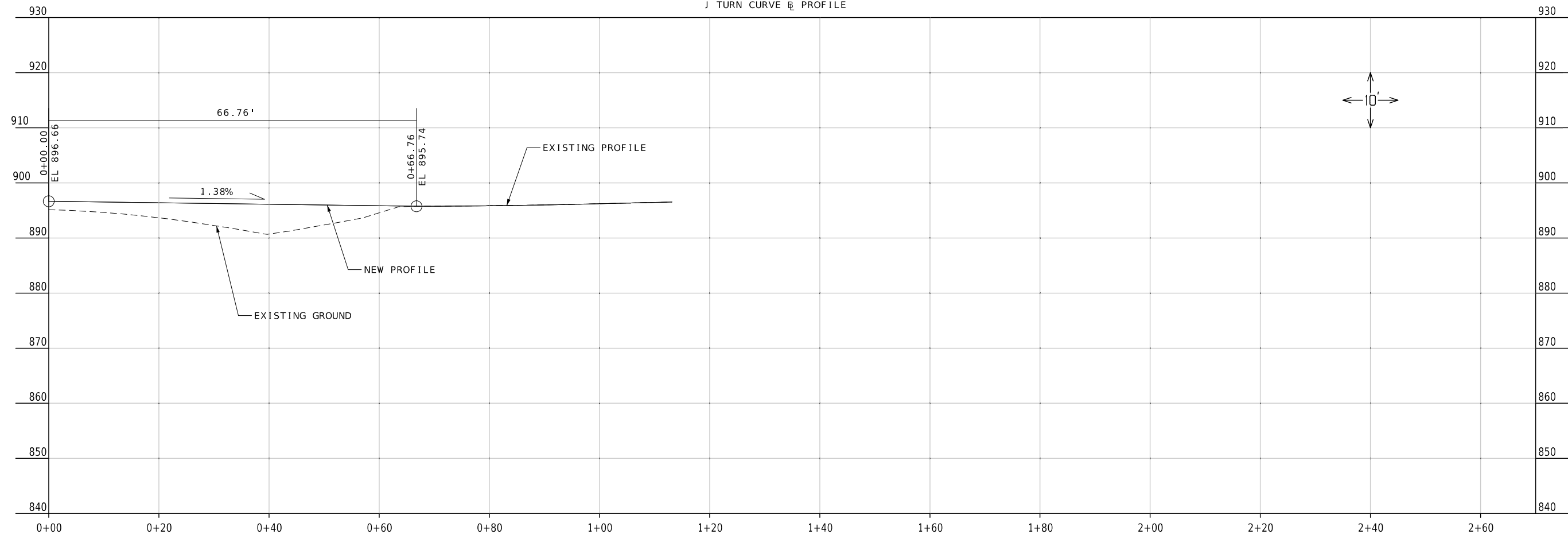
DATE	DESCRIPTION


MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

J TURN CURVE @ PROFILE





Jacquyn A. White
 01/30/2025 8:27:33 AM
 JACLYN A WHITE - CIVIL
 MO-PE-2003001116

DATE PREPARED
1/30/2025

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 7

COUNTY
JOHNSON

JOB NO.
JKR0134


CONTRACT ID.

PROJECT NO.

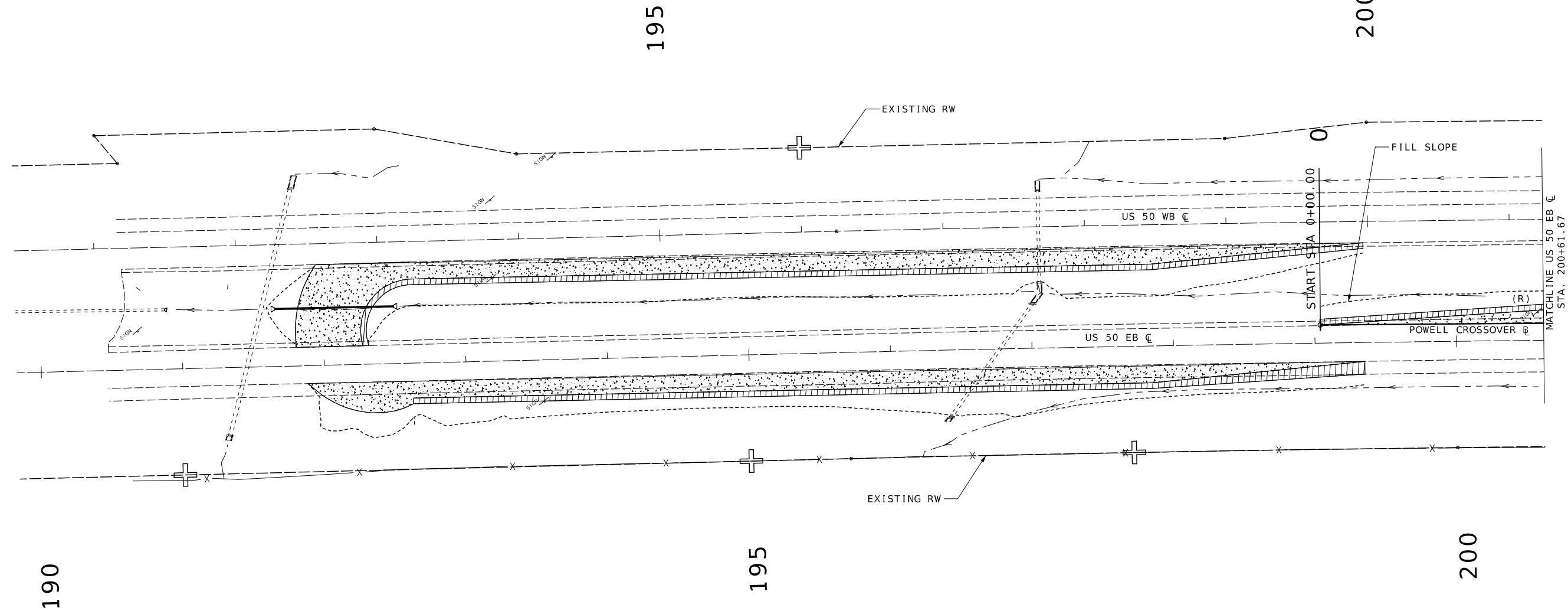
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-273-6636)



SHOULDER

FULL DEPTH PAVEMENT



Jaclyn A. White
 12/31/2024 4:31:32 PM
 JACLYN A. WHITE - CIVIL
 MO-PE-2003001116

DATE PREPARED
 12/31/2024

ROUTE	STATE
50	MO

DISTRICT	SHEET NO.
KC	8

COUNTY
 JOHNSON

JOB NO.
 JKR0134

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

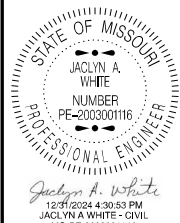
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PLAN SHEET
 1 OF 2
 FOR POWELL CROSSOVER

PLAN SHEET
 5 OF 25

SCALE



DATE PREPARED
12/31/2024

ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 9

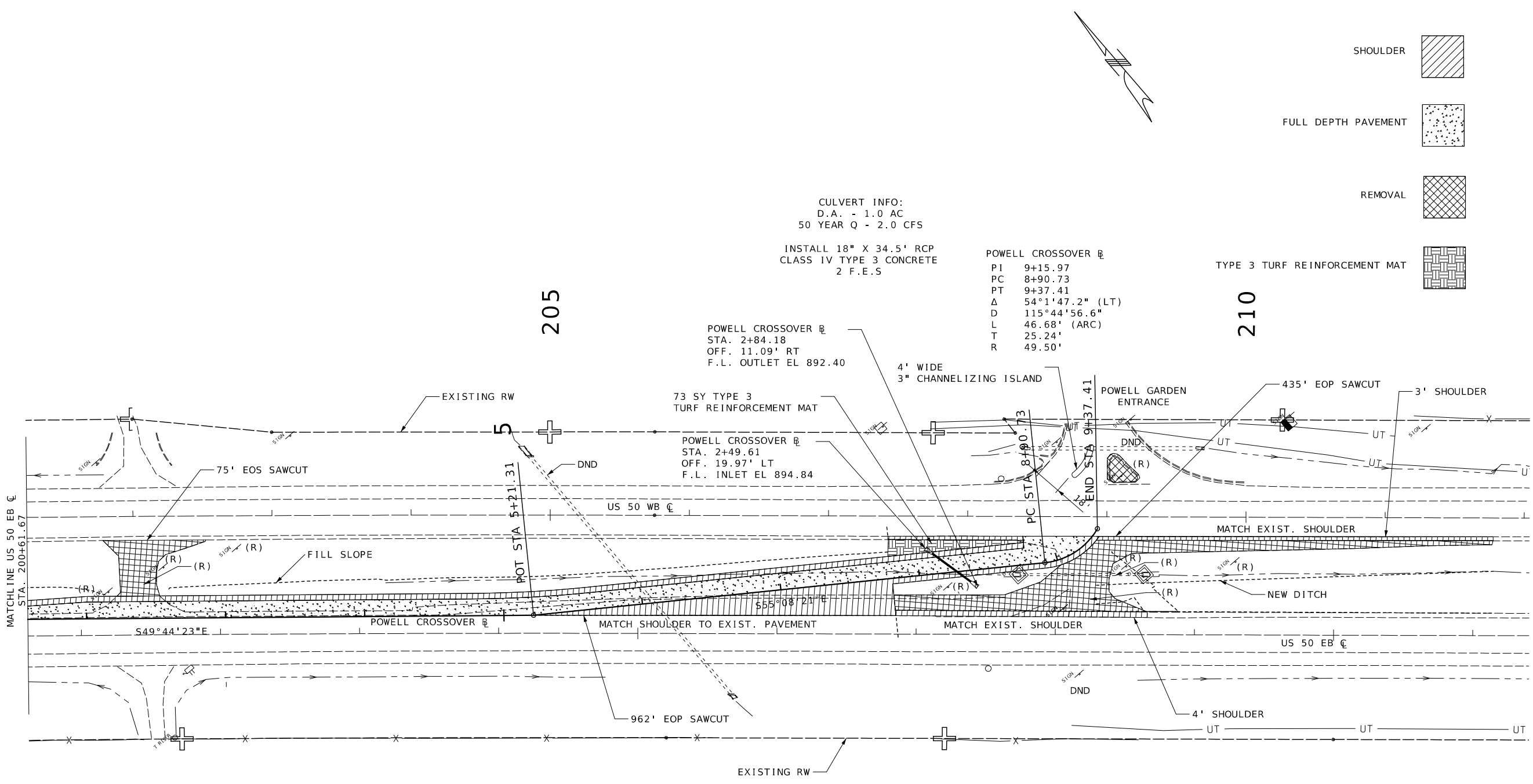
COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.

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)

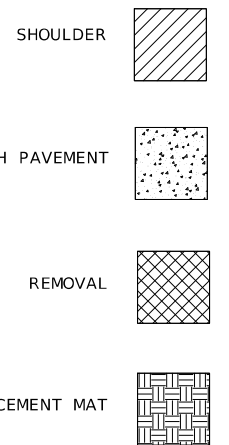


CULVERT INFO:
D.A. - 1.0 AC
50 YEAR Q - 2.0 CFS

INSTALL 18" X 34.5' RCP
CLASS IV TYPE 3 CONCRETE
2 F.E.S

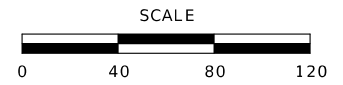
POWELL CROSSOVER
PI 9+15.97
PC 8+90.73
PT 9+37.41
Δ 54°1'47.2" (LT)
D 115°44'56.6"
L 46.68' (ARC)
T 25.24'
R 49.50'

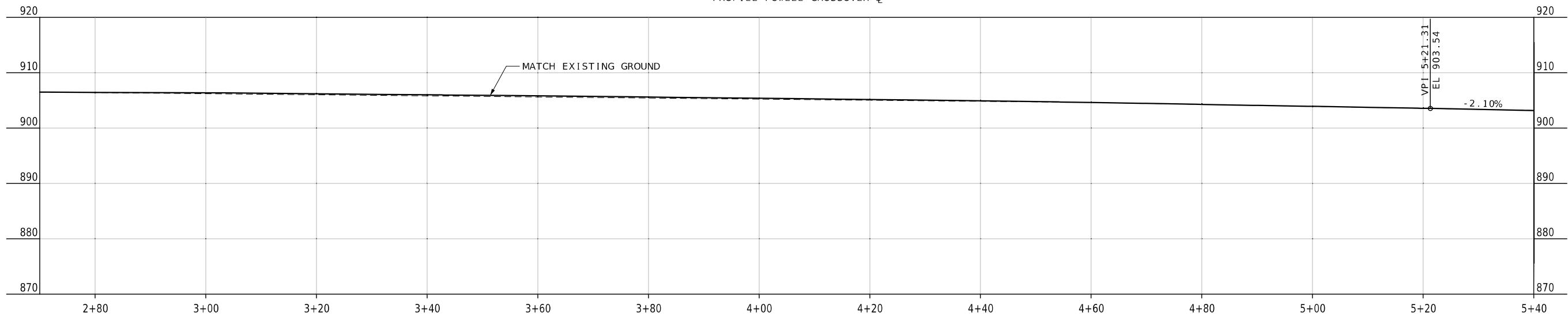
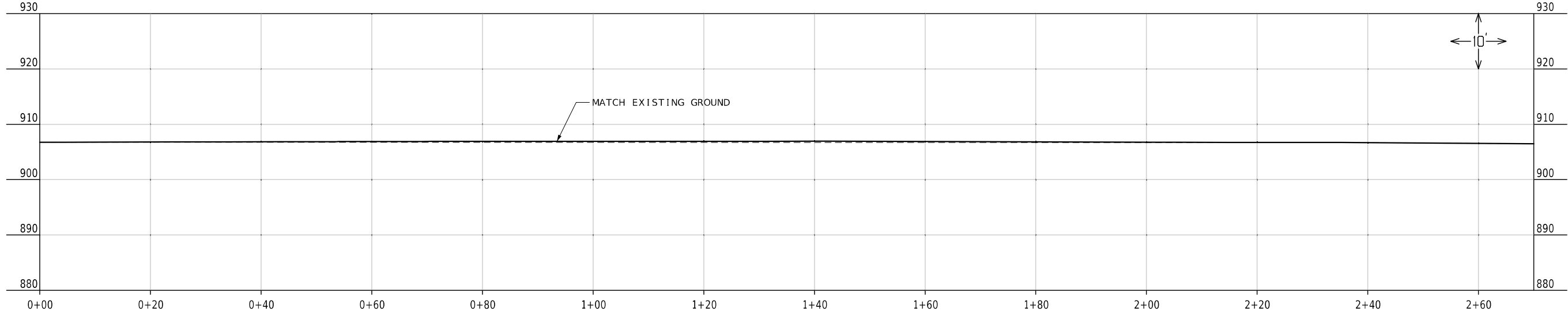
TYPE 3 TURF REINFORCEMENT MAT



PLAN SHEET
2 OF 2
FOR POWELL CROSSOVER

PLAN SHEET
6 OF 25





DATE PREPARED
12/31/2024

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 10

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

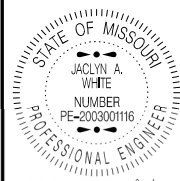
PROJECT NO.

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
12/31/2024

ROUTE 50 STATE MO

DISTRICT KC SHEET NO. 11

COUNTY JOHNSON

JOB NO. JKR0134

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

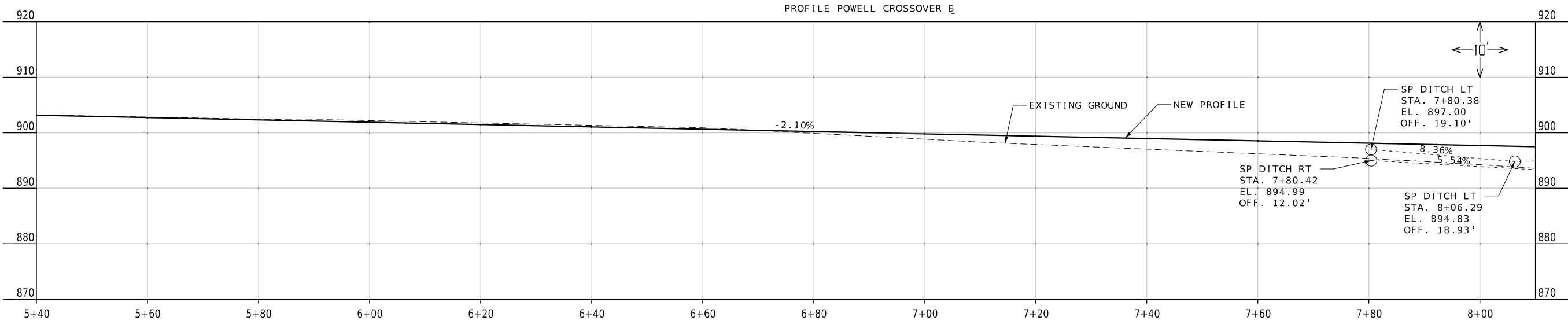
105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-273-6636)

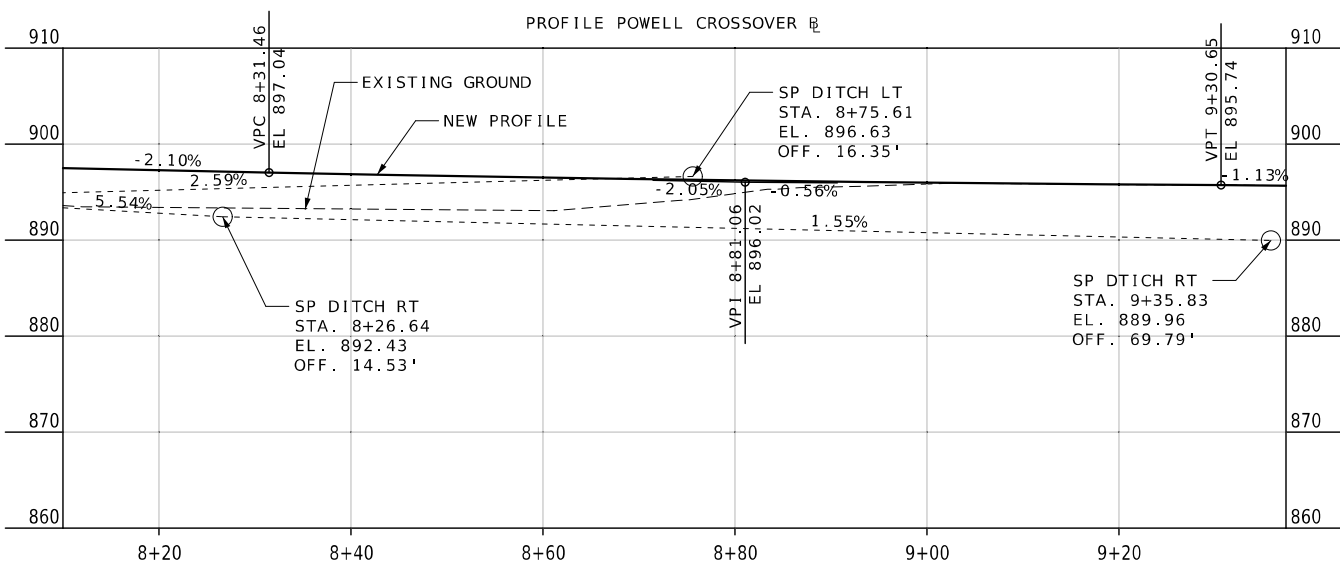
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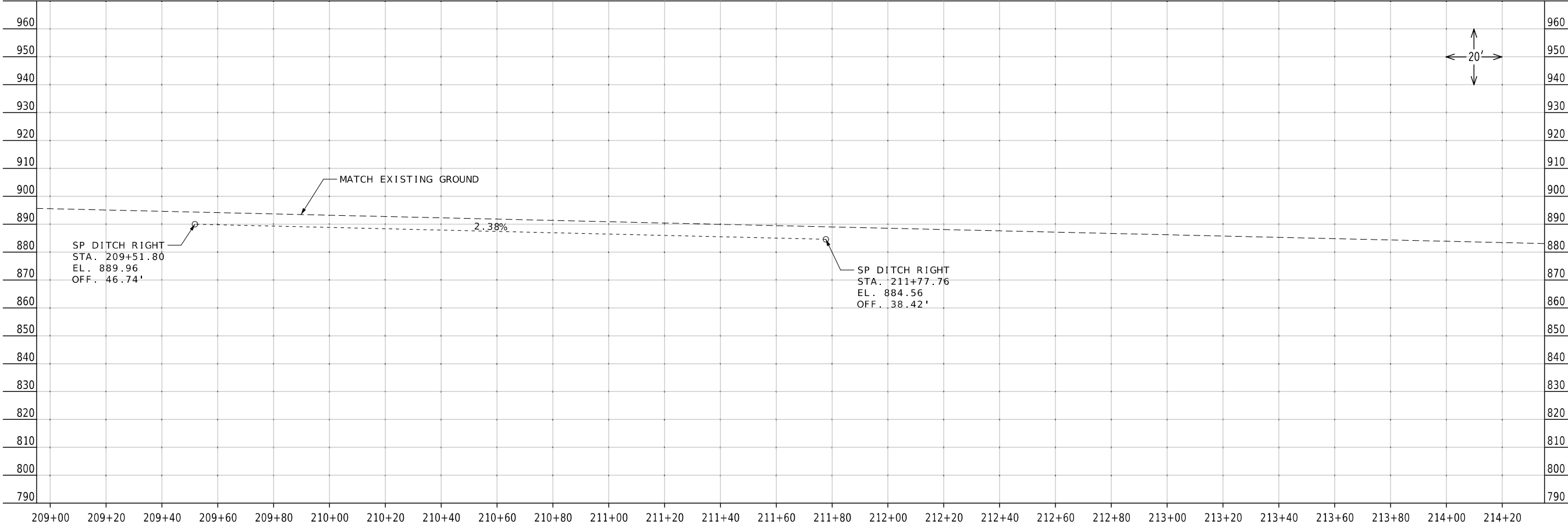
COMMISSION

PP SHEET 8 OF 25



SSD = INF'
K = 67
99.19' V.C.





STATE OF MISSOURI
JACLYN A. WHITE
NUMBER
PE-2003001116
PROFESSIONAL ENGINEER

DATE PREPARED
12/31/2024

ROUTE	STATE
50	MO
DISTRICT	SHEET NO.
KC	12

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

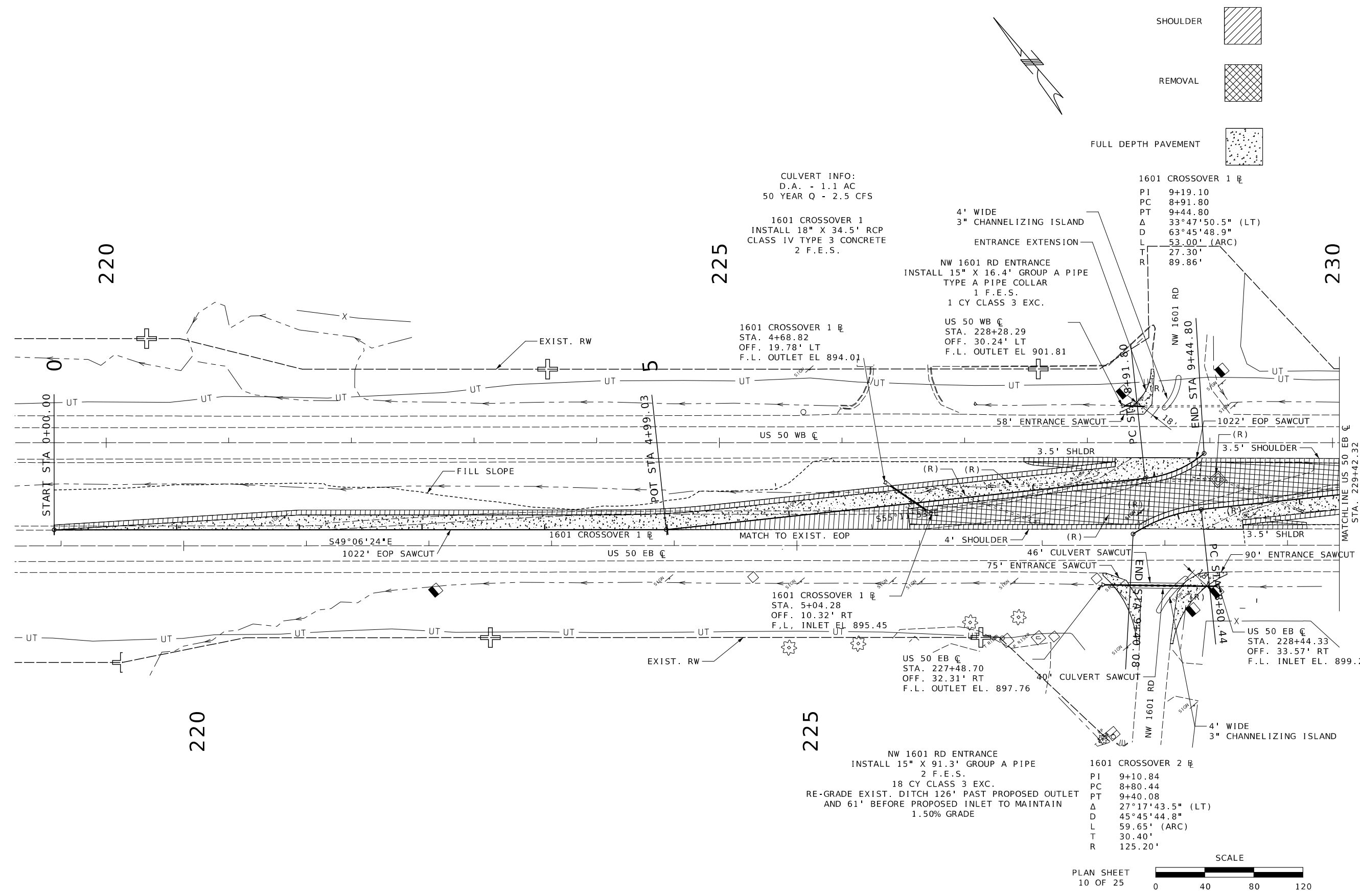
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)



CULVERT INFO:
D.A. - 1.1 AC
50 YEAR Q - 2.5 CFS

1601 CROSSOVER 1
INSTALL 18" X 34.5' RCP
CLASS IV TYPE 3 CONCRETE
2 F.E.S.

1601 CROSSOVER 1
STA. 4+68.82
OFF. 19.78' LT
F.L. OUTLET EL 894.01

4' WIDE
3" CHANNELIZING ISLAND
ENTRANCE EXTENSION
NW 1601 RD ENTRANCE
INSTALL 15" X 16.4' GROUP A PIPE
TYPE A PIPE COLLAR
1 F.E.S.
1 CY CLASS 3 EXC.

US 50 WB C
STA. 228+28.29
OFF. 30.24' LT
F.L. OUTLET EL 901.81

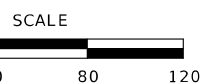
1601 CROSSOVER 1
PI 9+19.10
PC 8+91.80
PT 9+44.80
 Δ 33°47'50.5" (LT)
D 63°45'48.9"
L 53.00' (ARC)
T 27.30'
R 89.86'

1601 CROSSOVER 1
STA. 5+04.28
OFF. 10.32' RT
F.L. INLET EL 895.45

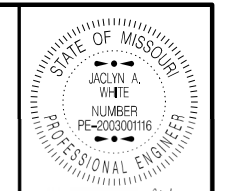
US 50 EB C
STA. 227+48.70
OFF. 32.31' RT
F.L. OUTLET EL. 897.76

NW 1601 RD ENTRANCE
INSTALL 15" X 91.3' GROUP A PIPE
2 F.E.S.
18 CY CLASS 3 EXC.
RE-GRADE EXIST. DITCH 126' PAST PROPOSED OUTLET
AND 61' BEFORE PROPOSED INLET TO MAINTAIN
1.50% GRADE

1601 CROSSOVER 2
PI 9+10.84
PC 8+80.44
PT 9+40.08
 Δ 27°17'43.5" (LT)
D 45°45'44.8"
L 59.65' (ARC)
T 30.40'
R 125.20'



PLAN SHEET
10 OF 25



Jaclyn A. White
12/31/2024 4:34:42 PM
JACLYN A WHITE - CIVIL
MO-PE-200300116

DATE PREPARED
12/31/2024

ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 13

COUNTY JOHNSON

JOB NO. JKR0134
CONTRACT ID.

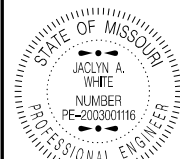
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED
12/31/2024

ROUTE 50 STATE MO

DISTRICT KC SHEET NO. 14

COUNTY JOHNSON

JOB NO. JKR0134


CONTRACT ID.

PROJECT NO.

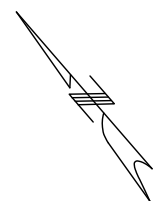
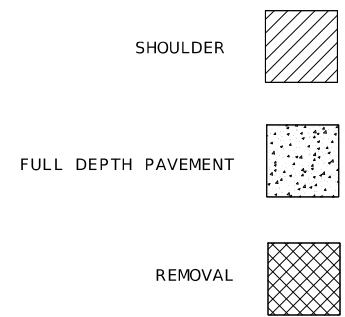
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



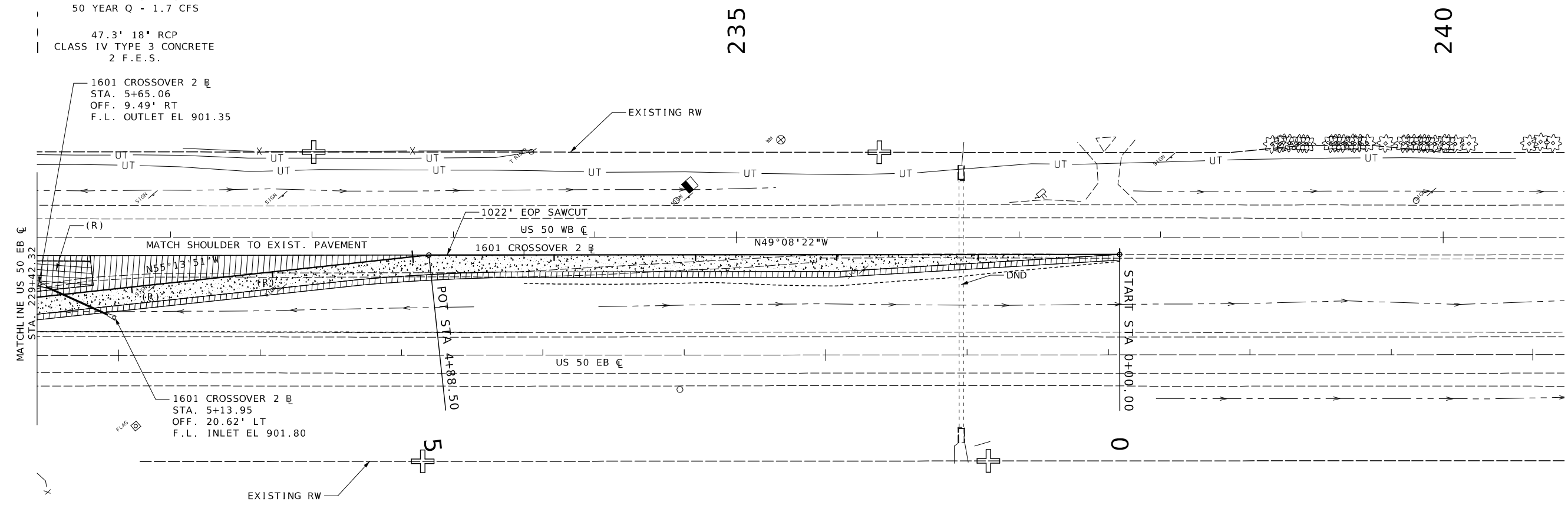
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



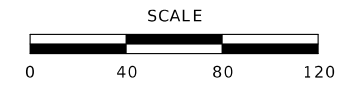
CULVERT INFO:
D.A. - 0.7 AC
50 YEAR Q - 1.7 CFS
47.3' 18" RCP
CLASS IV TYPE 3 CONCRETE
2 F.E.S.

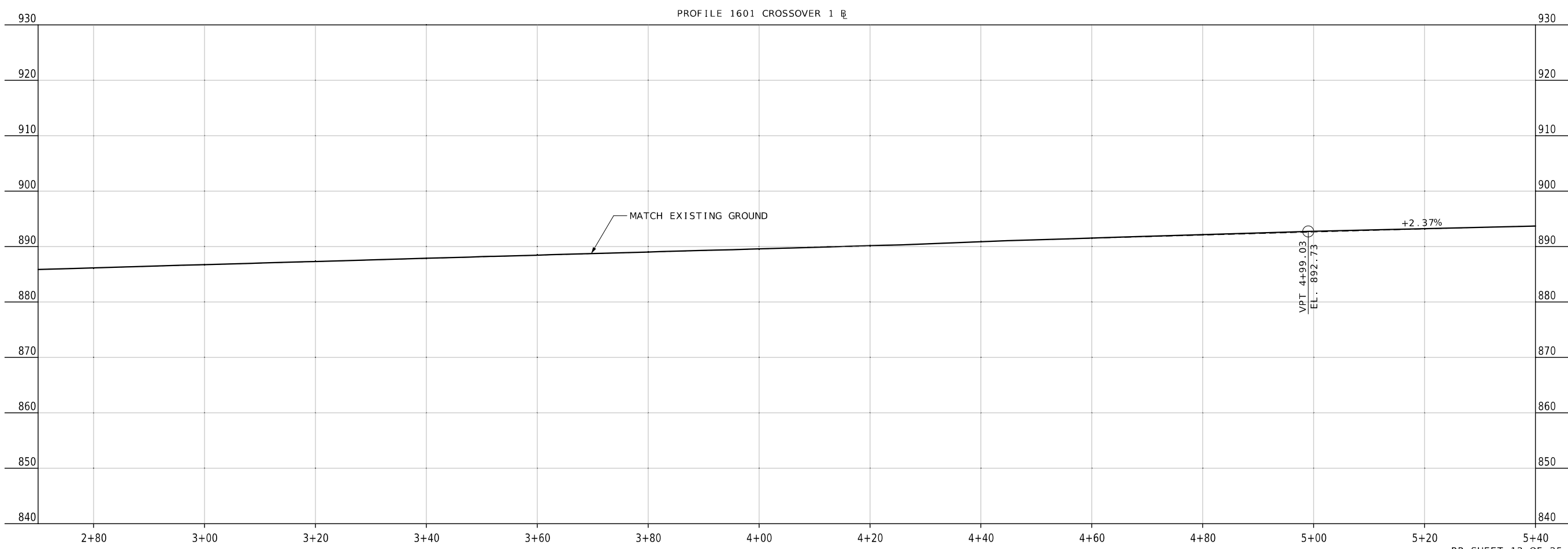
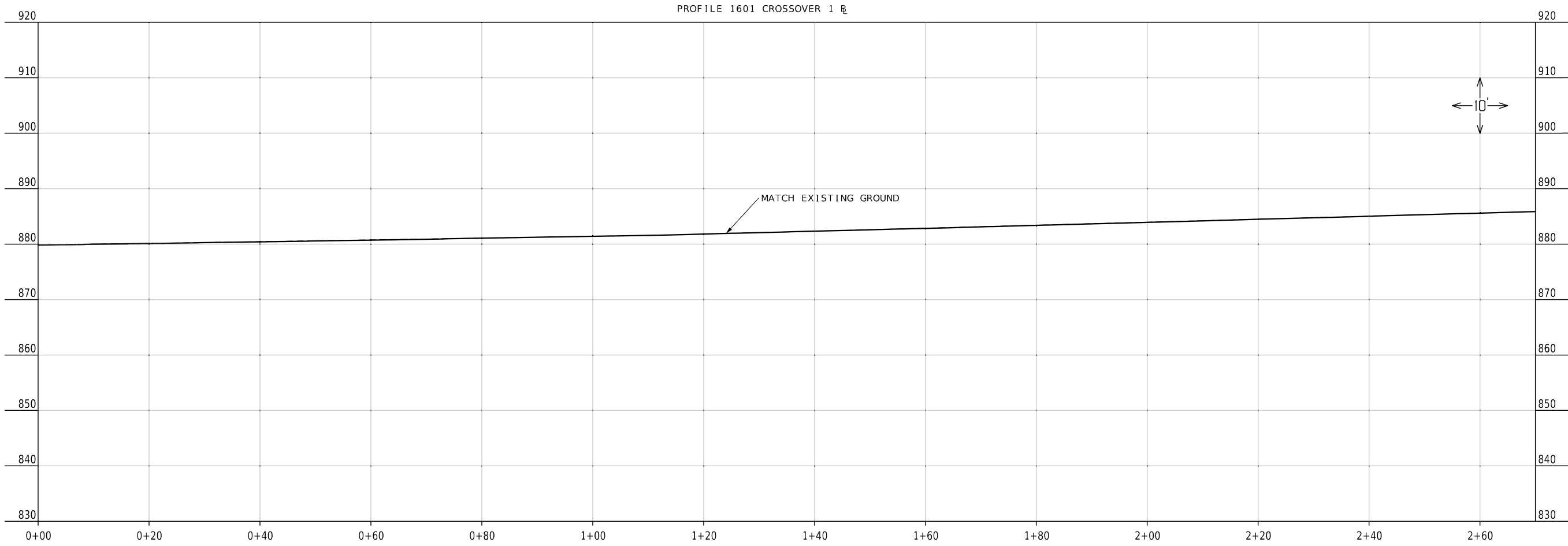
1601 CROSSOVER 2 R
STA. 5+65.06
OFF. 9.49' RT
F.L. OUTLET EL 901.35

1601 CROSSOVER 2 R
STA. 5+13.95
OFF. 20.62' LT
F.L. INLET EL 901.80



PLAN SHEET
11 OF 25





Jacquyn A. White
12/31/2024 4:38:30 PM
JACLYN A WHITE - CIVIL
MO-PE-2003001116

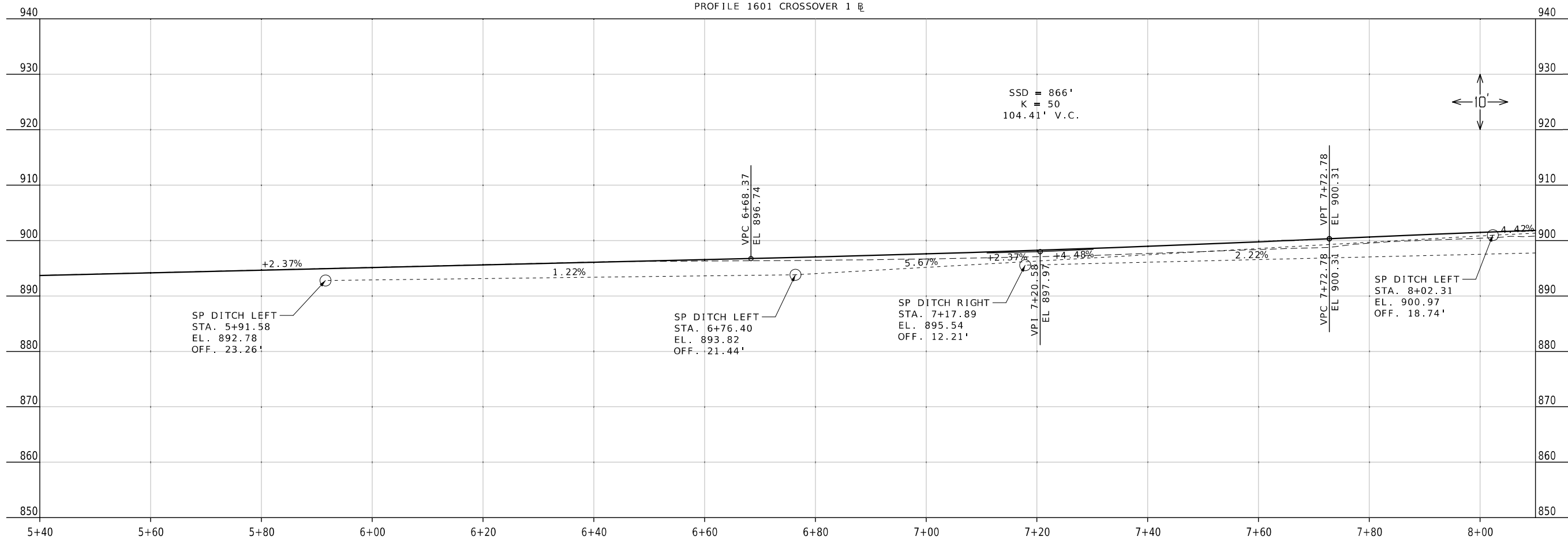
DATE PREPARED	
12/31/2024	
ROUTE	STATE
50	MO
DISTRICT	SHEET NO.
KC	15
COUNTY	
JOHNSON	
JOB NO.	
JKR0134	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

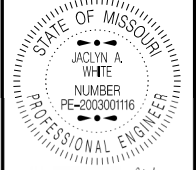
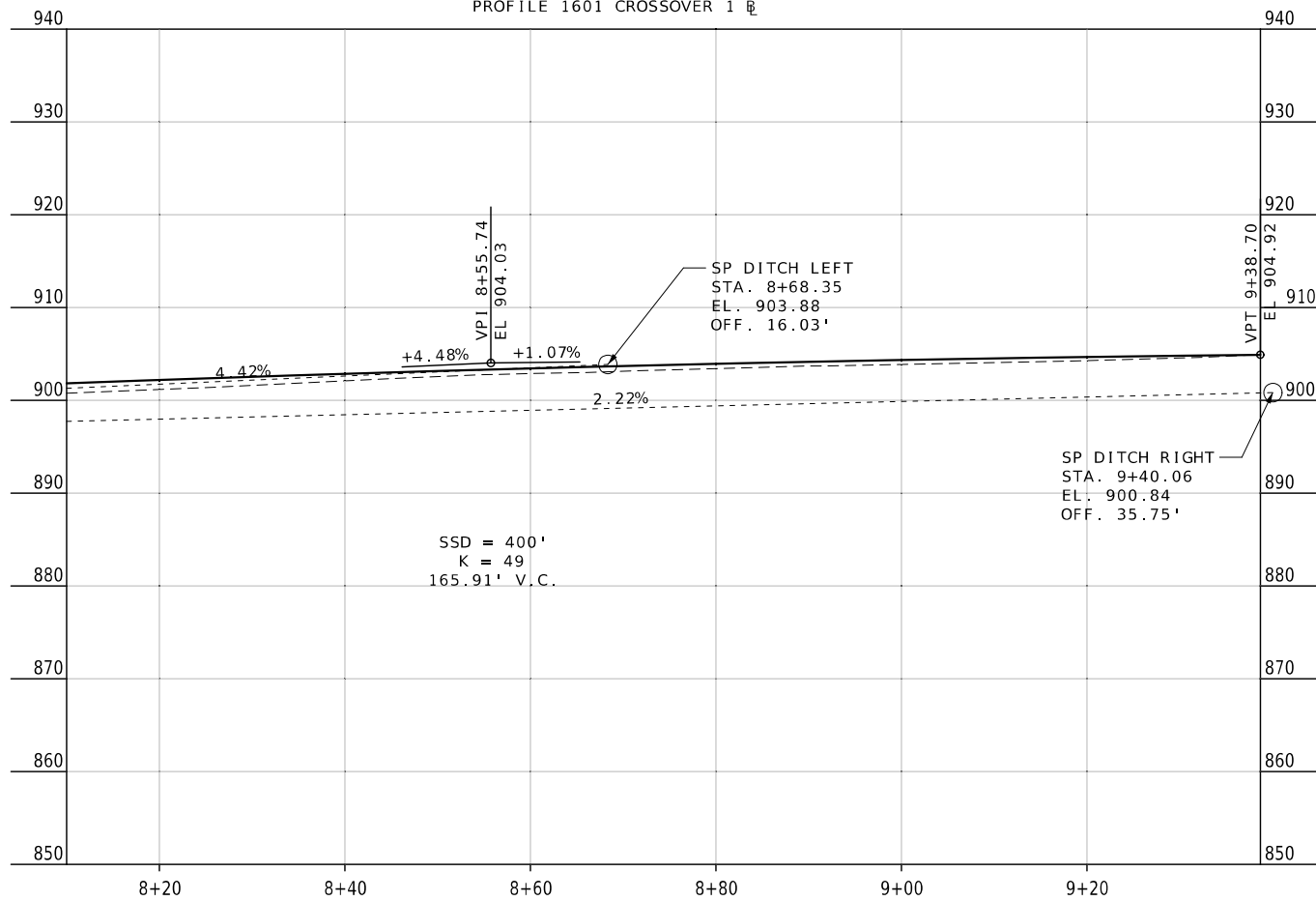
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PROFILE 1601 CROSSOVER 1



PROFILE 1601 CROSSOVER 1



DATE PREPARED
12/31/2024

ROUTE **50** STATE **MO**
DISTRICT **KC** SHEET NO. **16**

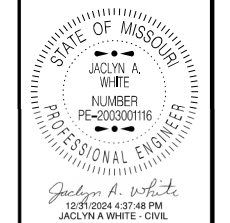
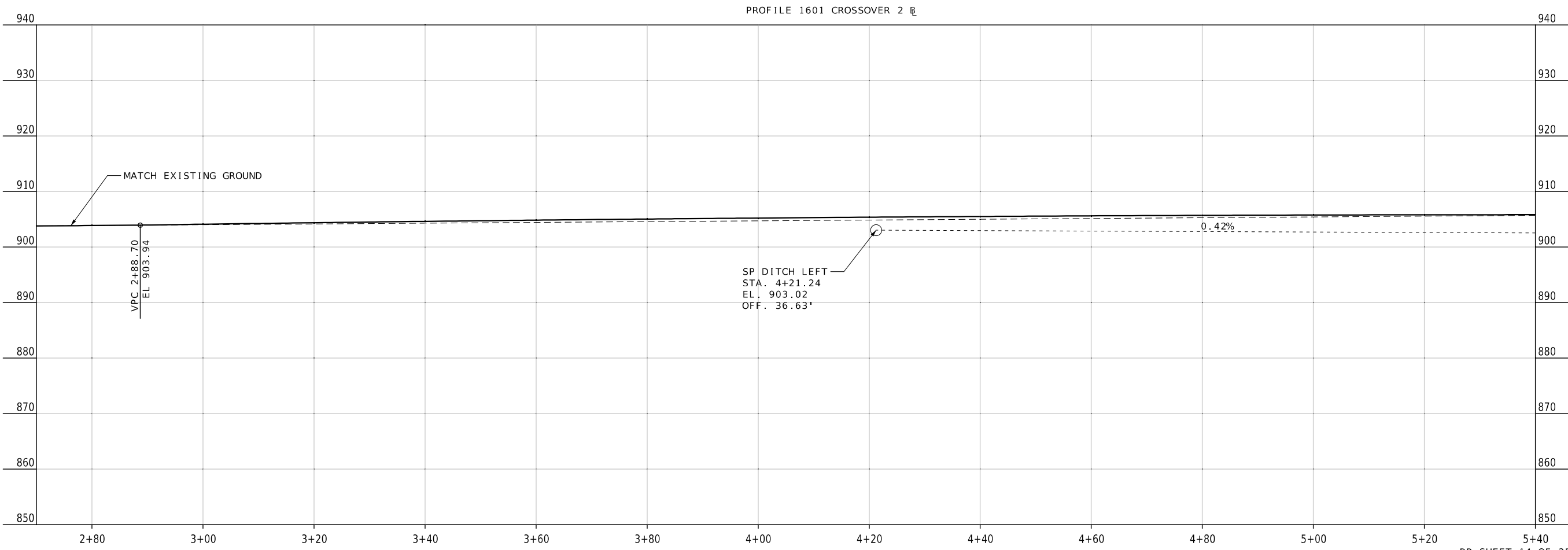
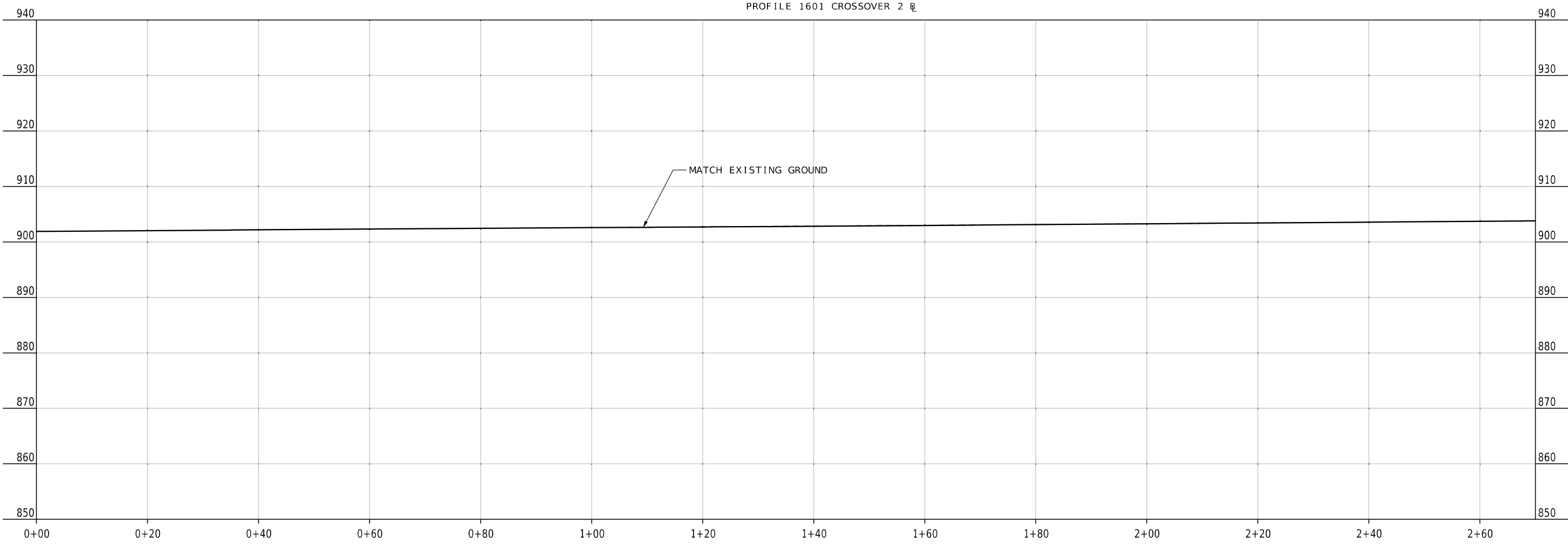
COUNTY **JOHNSON**
JOB NO. **JKR0134**

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
12/31/2024

ROUTE 50 STATE MO

DISTRICT KC SHEET NO. 17

COUNTY JOHNSON

JOB NO. JKR0134

CONTRACT ID.

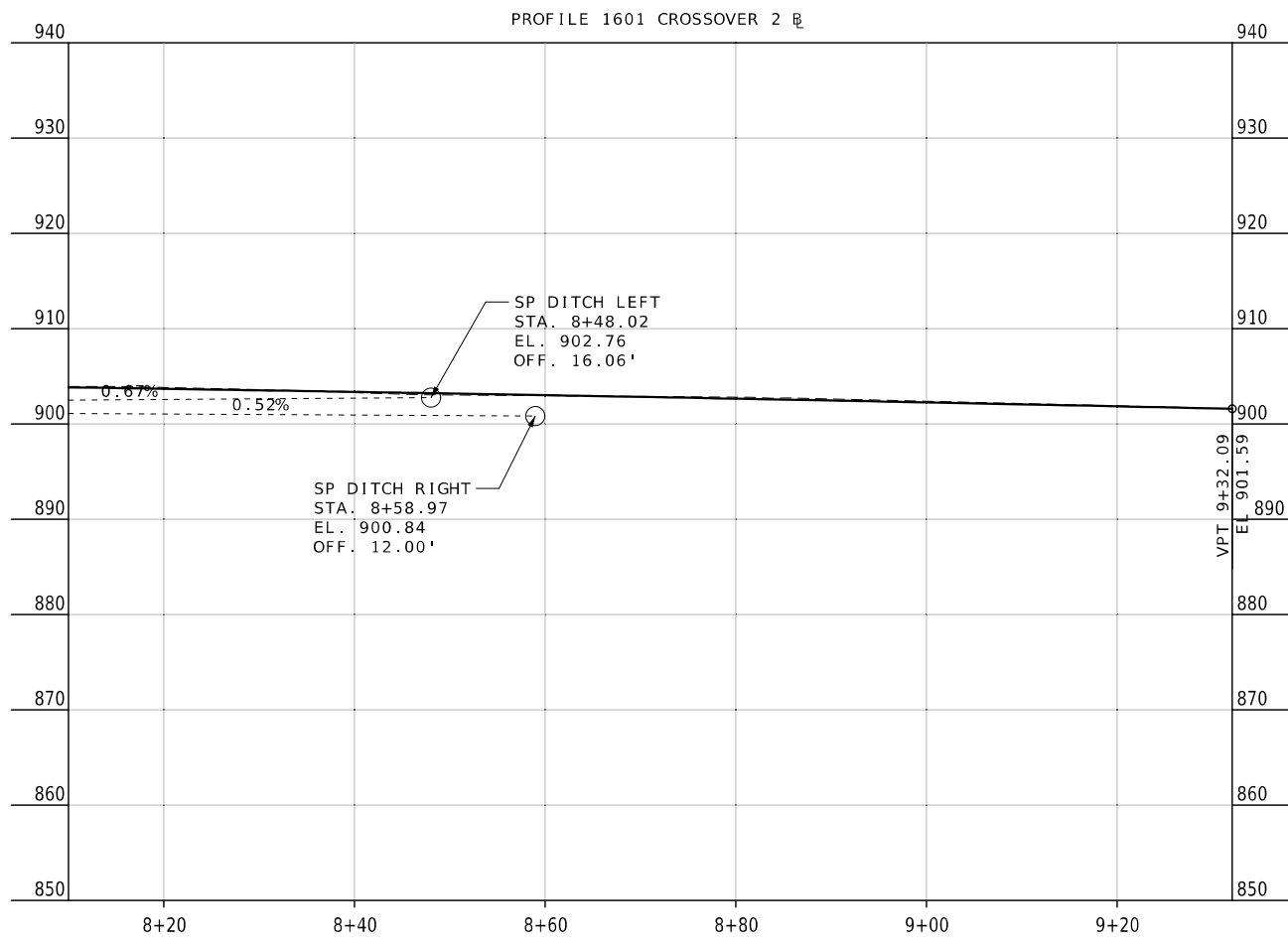
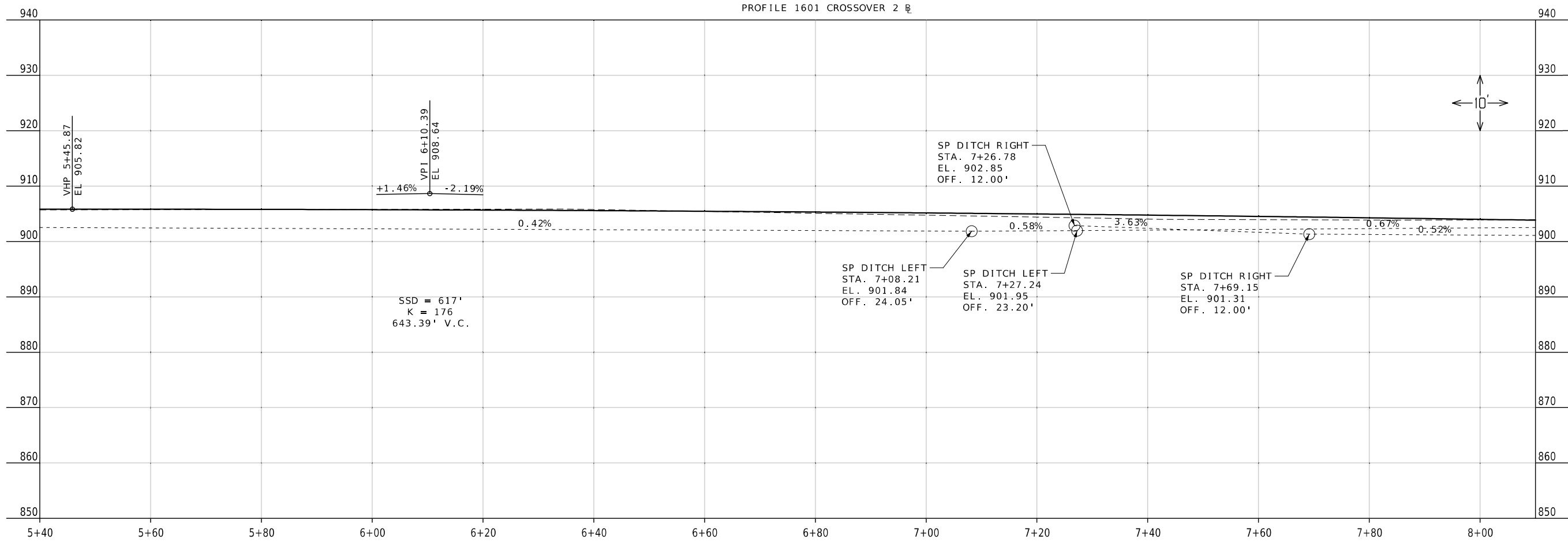
PROJECT NO.

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
 12/31/2024

ROUTE 50 STATE MO
 DISTRICT KC SHEET NO. 18

COUNTY JOHNSON
 JOB NO. JKR0134
 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
12/31/2024

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 19

COUNTY
JOHNSON

JOB NO.
JKR0134


CONTRACT ID.

PROJECT NO.

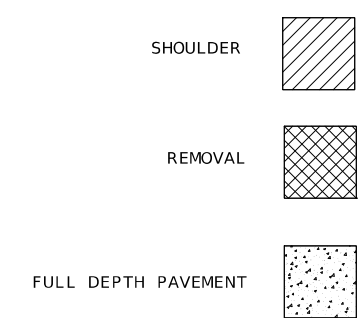
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

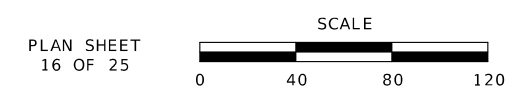
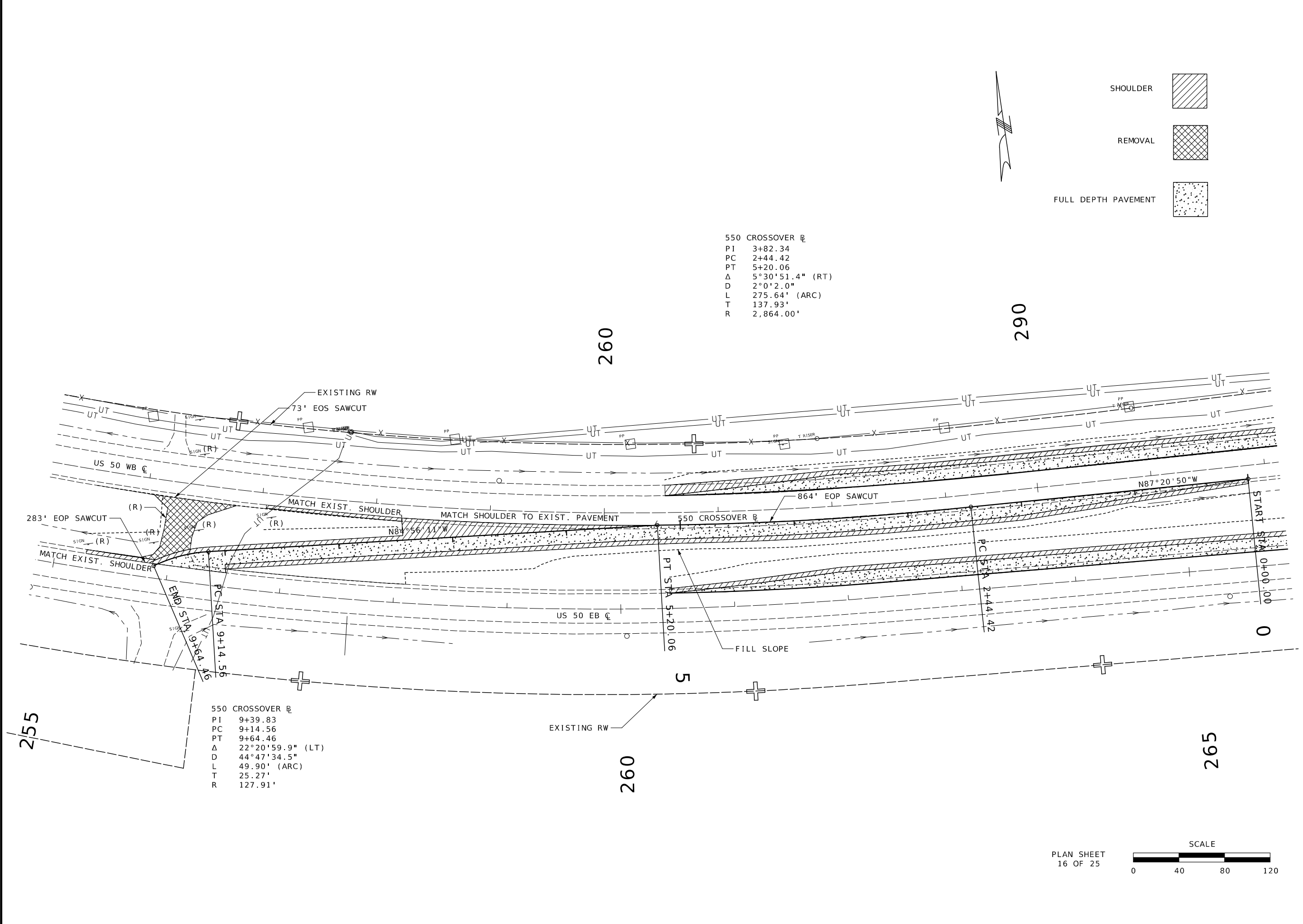


105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

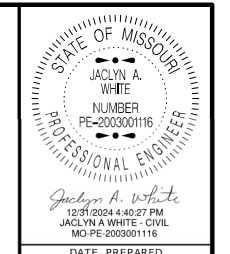
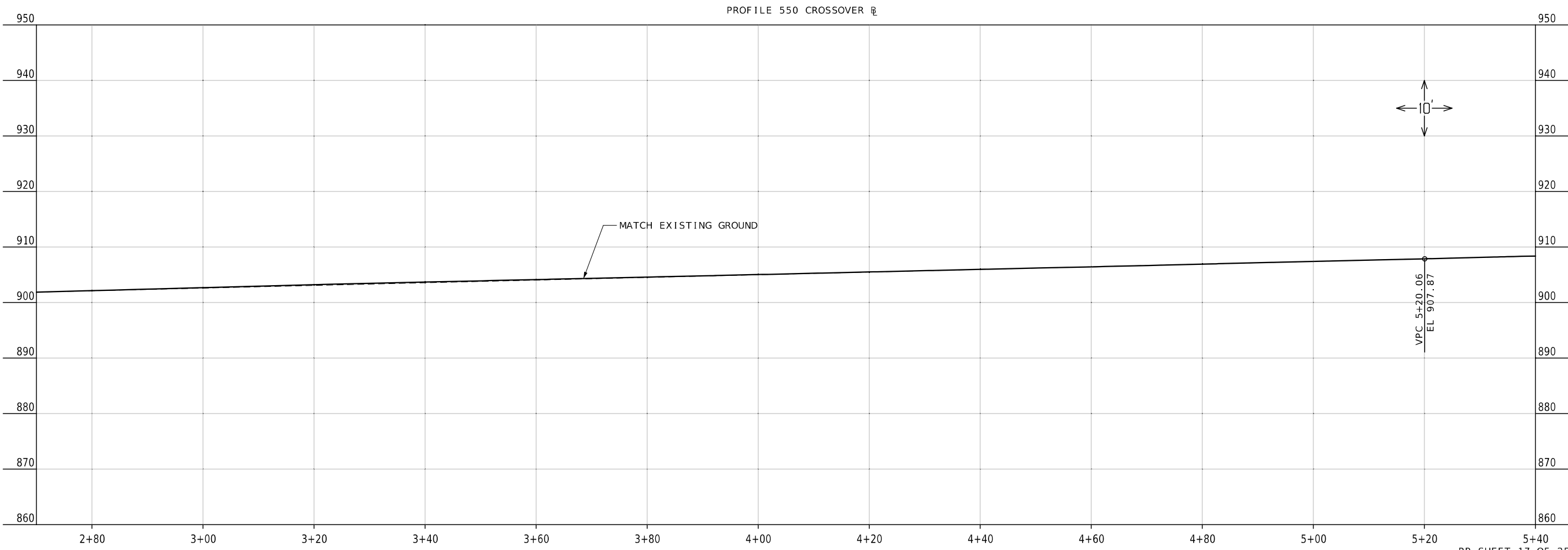
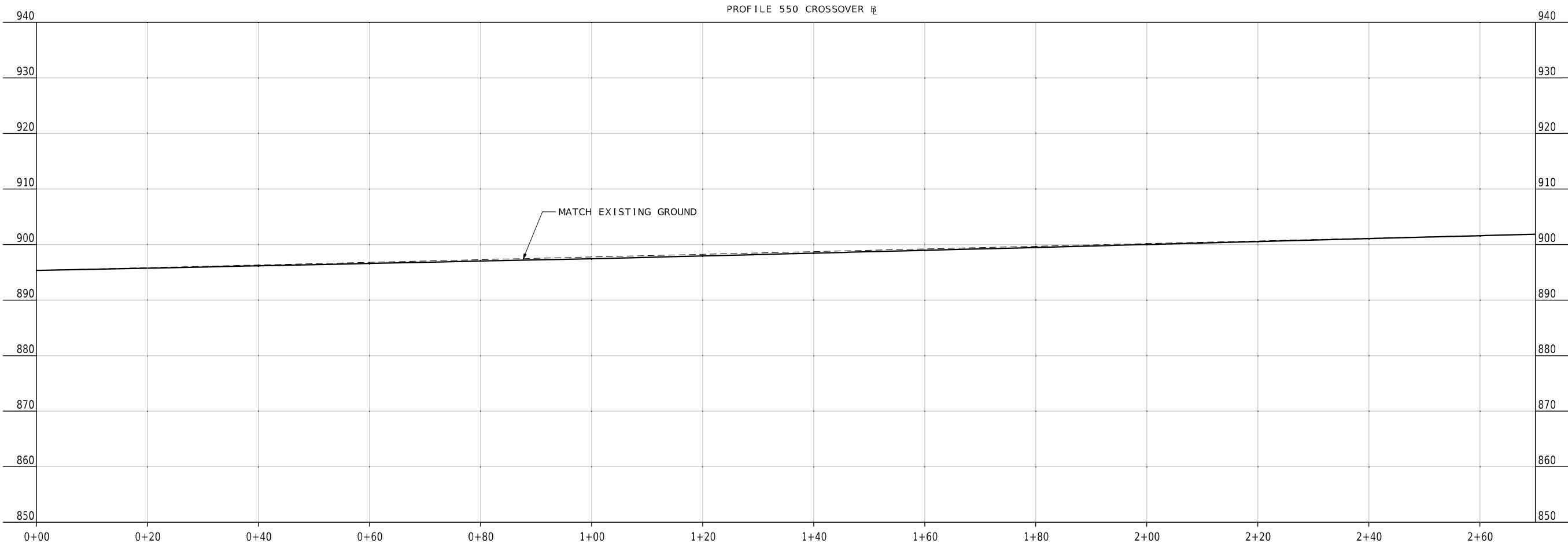


550 CROSSOVER B
 PI 3+82.34
 PC 2+44.42
 PT 5+20.06
 Δ $5^\circ 30' 51.4''$ (RT)
 D $2^\circ 0' 2.0''$
 L 275.64' (ARC)
 T 137.93'
 R 2,864.00'

550 CROSSOVER B
 PI 9+39.83
 PC 9+14.56
 PT 9+64.46
 Δ $22^\circ 20' 59.9''$ (LT)
 D $44^\circ 47' 34.5''$
 L 49.90' (ARC)
 T 25.27'
 R 127.91'



PLAN SHEET
 16 OF 25



DATE PREPARED
12/31/2024

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 20

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

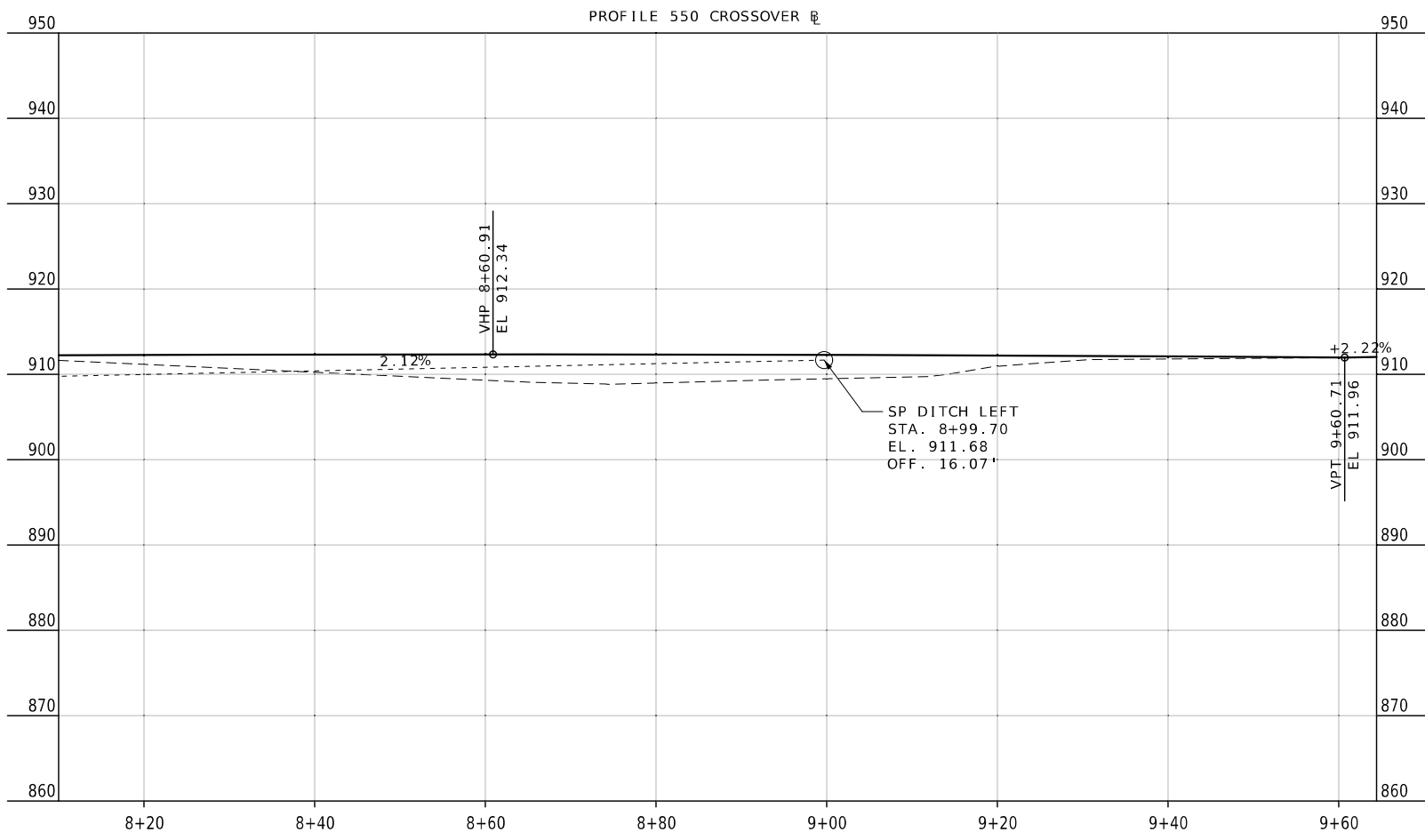
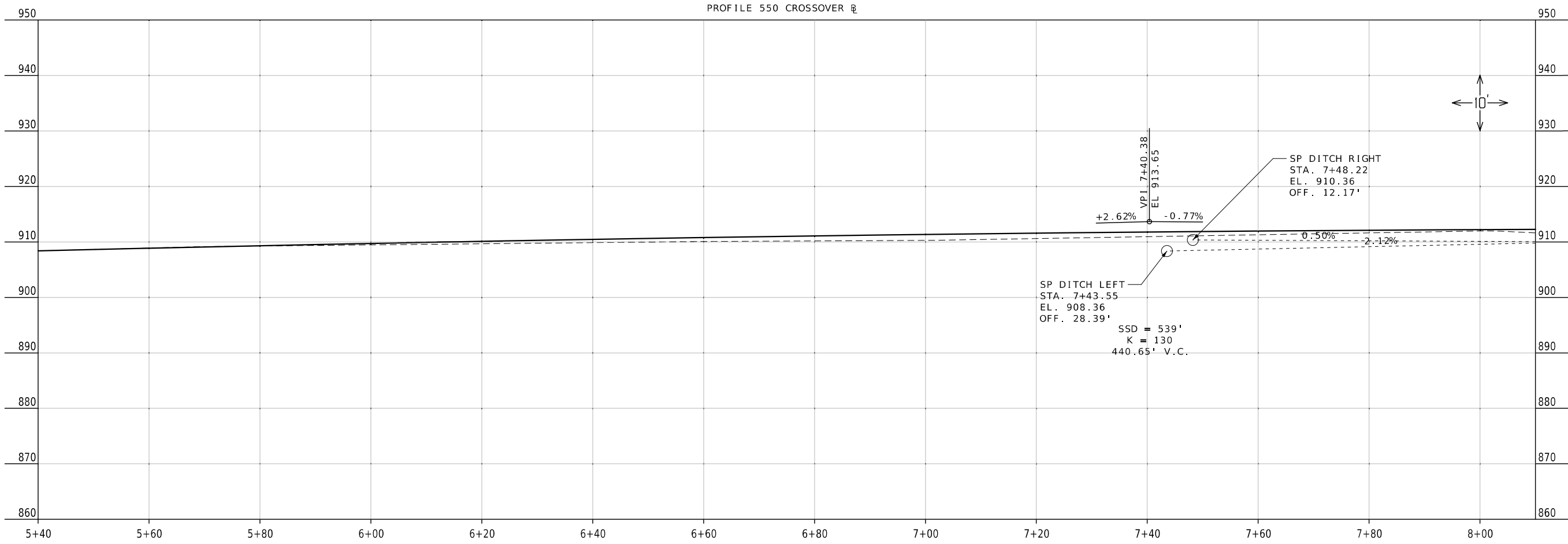
PROJECT NO.

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
 12/31/2024

ROUTE 50 STATE MO
 DISTRICT KC SHEET NO. 21

COUNTY JOHNSON
 JOB NO. JKR0134
 CONTRACT ID.

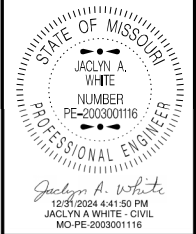
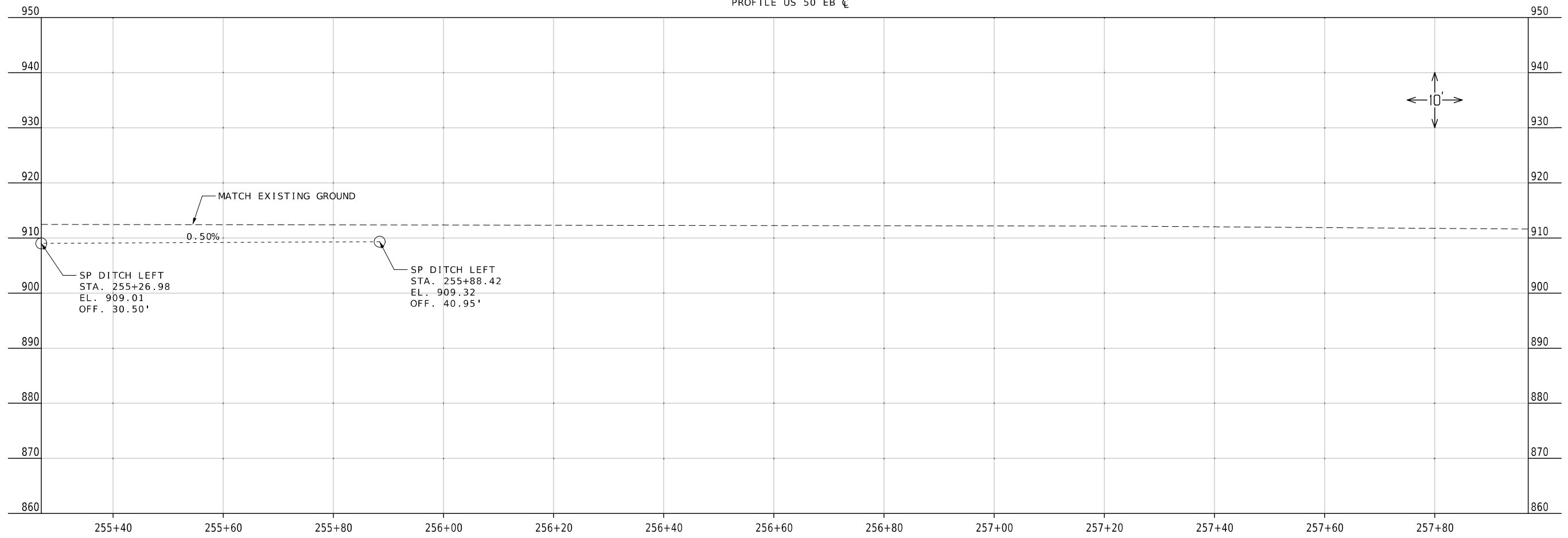
PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-273-6636)

PROFILE US 50 EB ☺

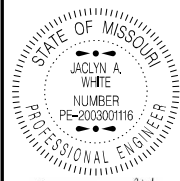


DATE PREPARED
12/31/2024
ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 22
COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED
12/31/2024

ROUTE 50 STATE MO DISTRICT KC SHEET NO. 23

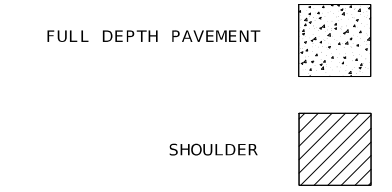
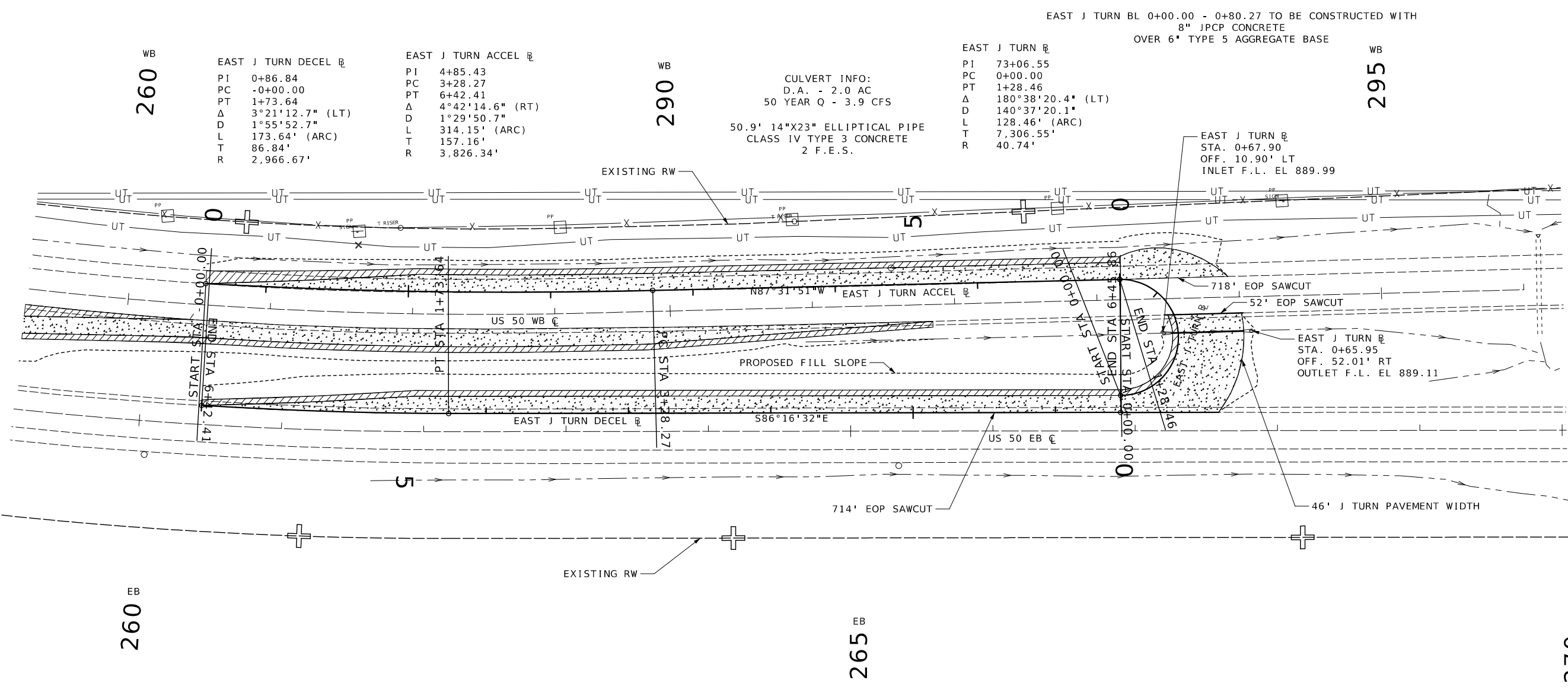
COUNTY JOHNSON JOB NO. JKR0134 CONTRACT ID.

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)



EAST J TURN BL 0+00.00 - 0+80.27 TO BE CONSTRUCTED WITH
8" JPCP CONCRETE
OVER 6" TYPE 5 AGGREGATE BASE

CULVERT INFO:
D.A. - 2.0 AC
50 YEAR Q - 3.9 CFS
50.9' 14"X23" ELLIPTICAL PIPE
CLASS IV TYPE 3 CONCRETE
2 F.E.S.

EAST J TURN @
STA. 0+67.90
OFF. 10.90' LT
INLET F.L. EL 889.99

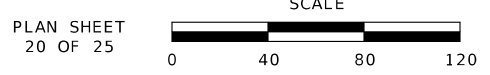
718' EOP SAWCUT

52' EOP SAWCUT

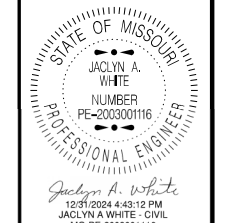
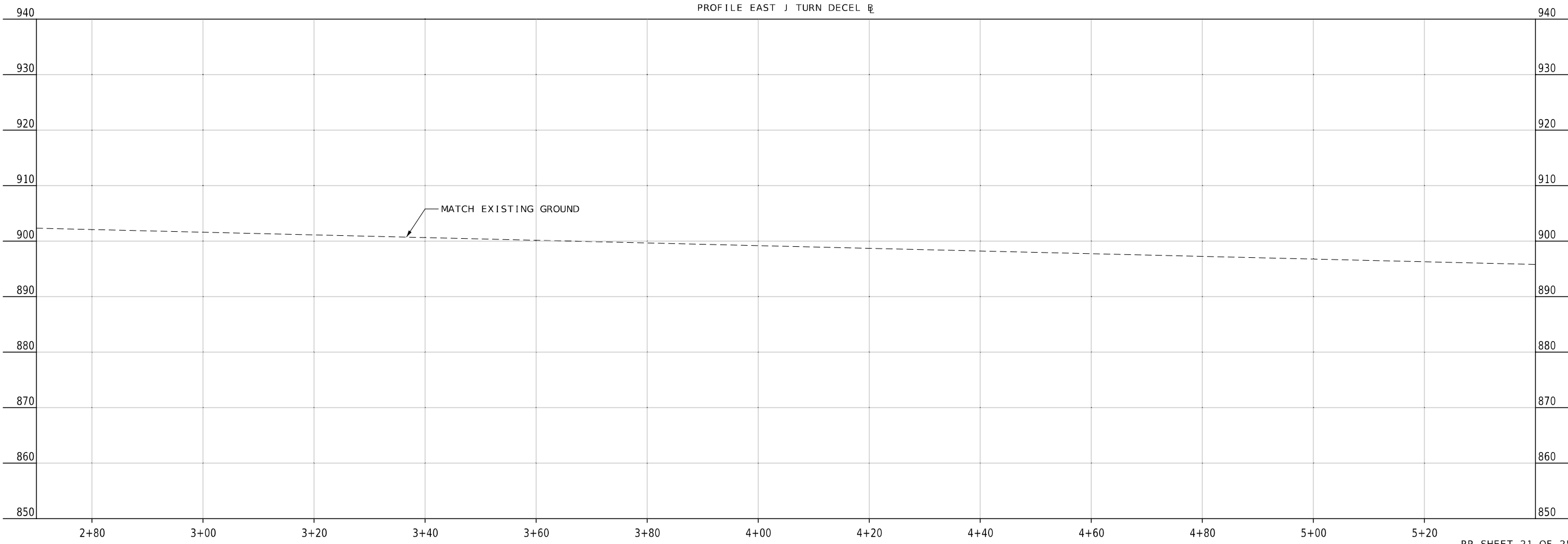
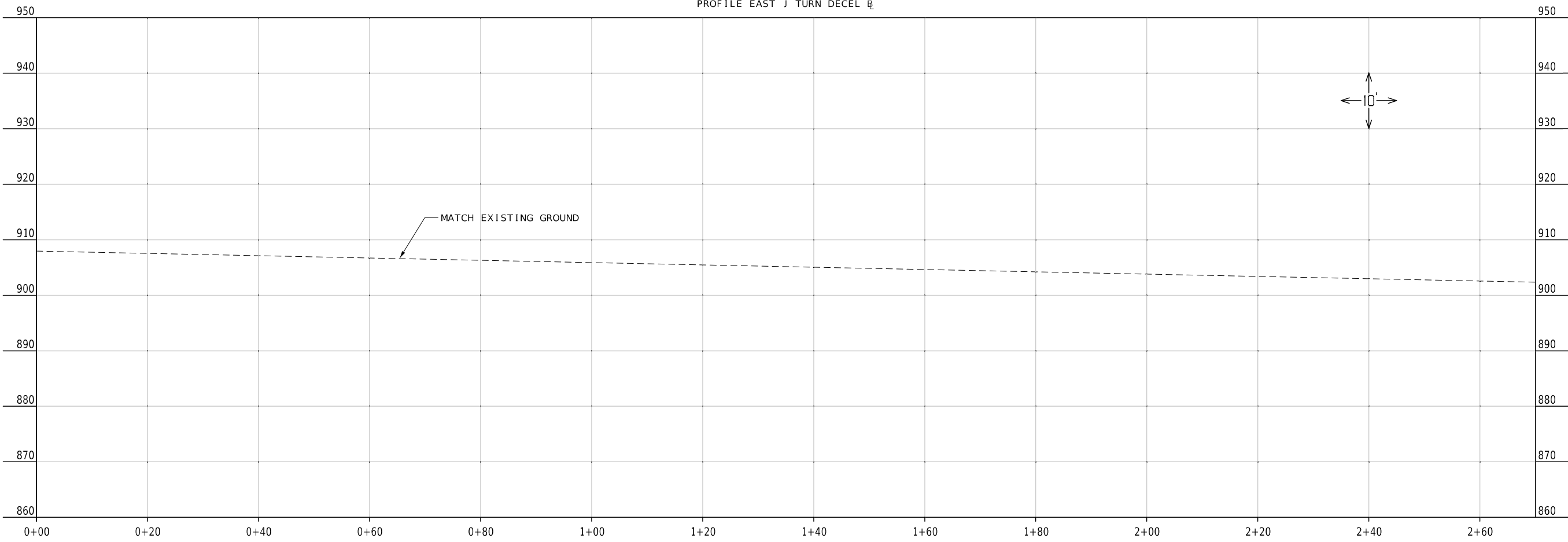
EAST J TURN @
STA. 0+65.95
OFF. 52.01' RT
OUTLET F.L. EL 889.11

714' EOP SAWCUT

46' J TURN PAVEMENT WIDTH



PLAN SHEET
20 OF 25



Jaclyn A. White
 12/31/2024 4:43:12 PM
 JACLYN A. WHITE - CIVIL
 MO-PE-2003001116

DATE PREPARED
12/31/2024

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 24

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

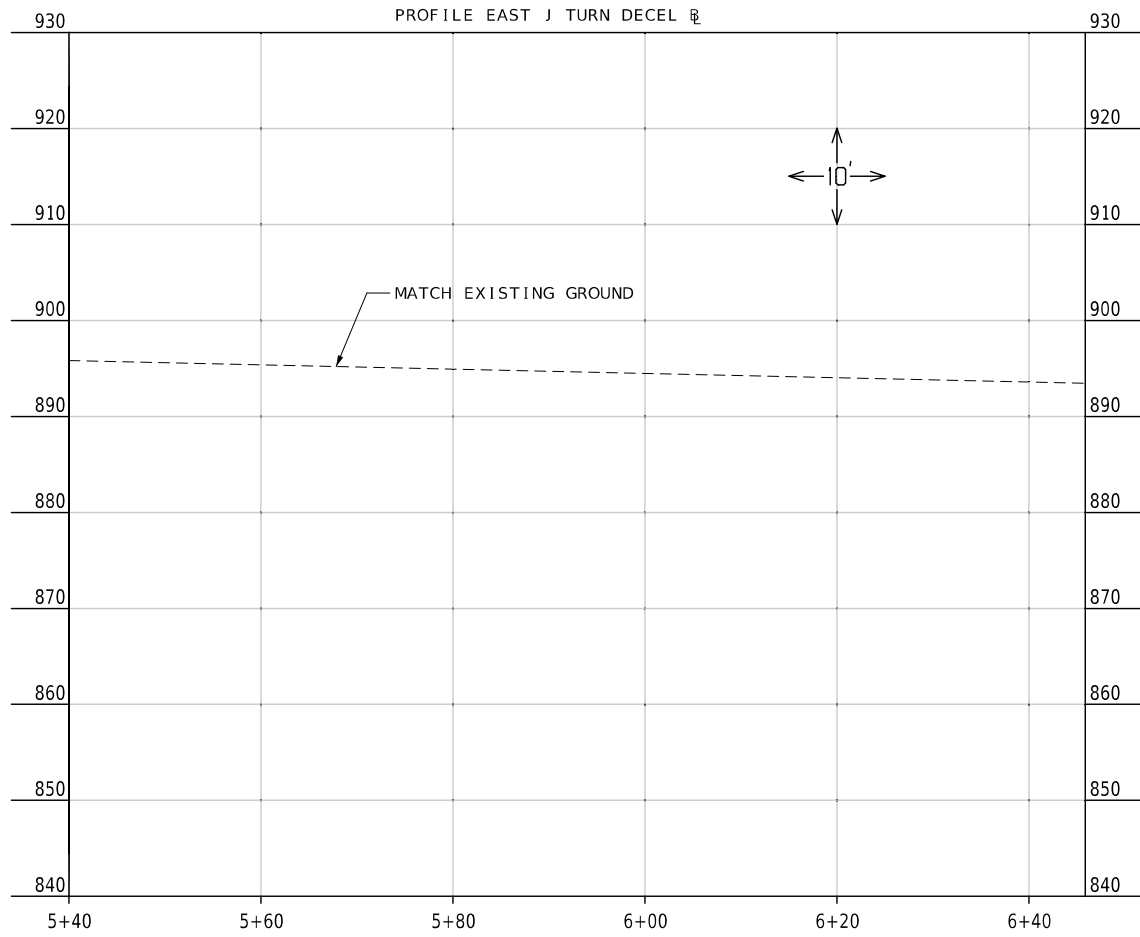
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



Jacquyn A. White
 12/31/2024 4:43:50 PM
 JACLYN A WHITE - CIVIL
 MO-PE-200300116

DATE PREPARED
 12/31/2024

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 25

COUNTY
 JOHNSON

JOB NO.
 JKR0134

CONTRACT ID.

PROJECT NO.

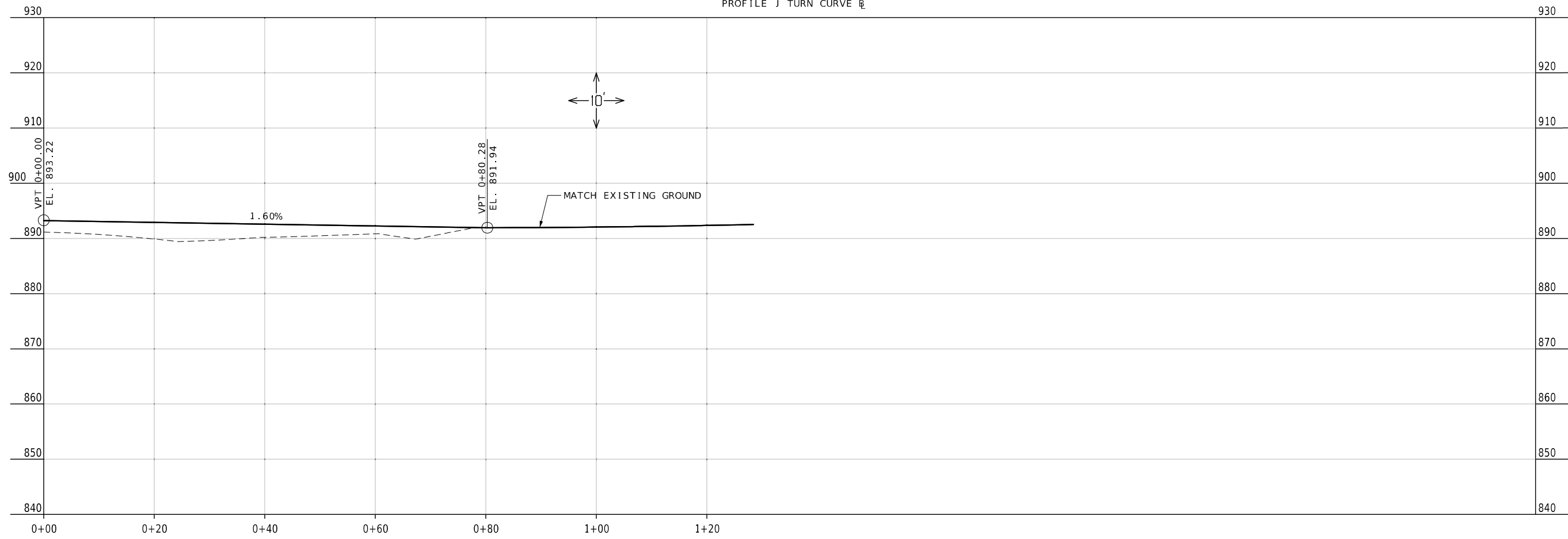
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-273-6636)

PROFILE J TURN CURVE R



Jaclyn A. White
12/31/2024 4:44:32 PM
JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
12/31/2024

ROUTE	STATE
50	MO
DISTRICT	SHEET NO.
KC	26

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

PROJECT NO.

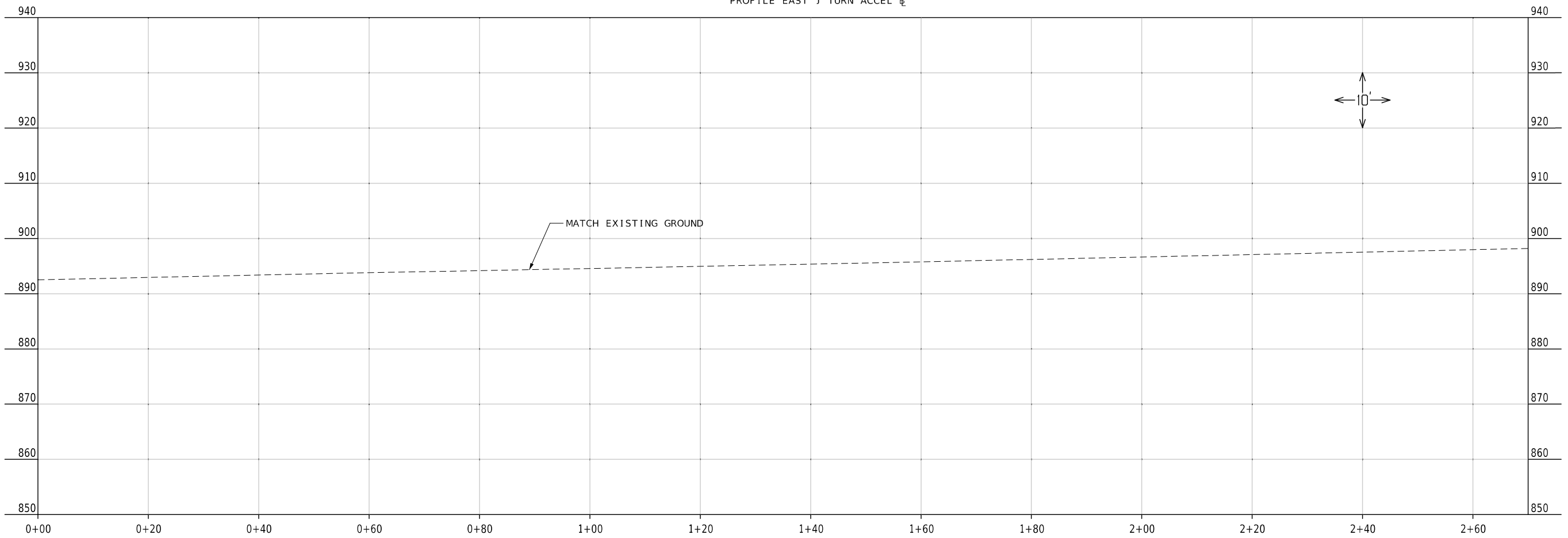
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DATE	DESCRIPTION

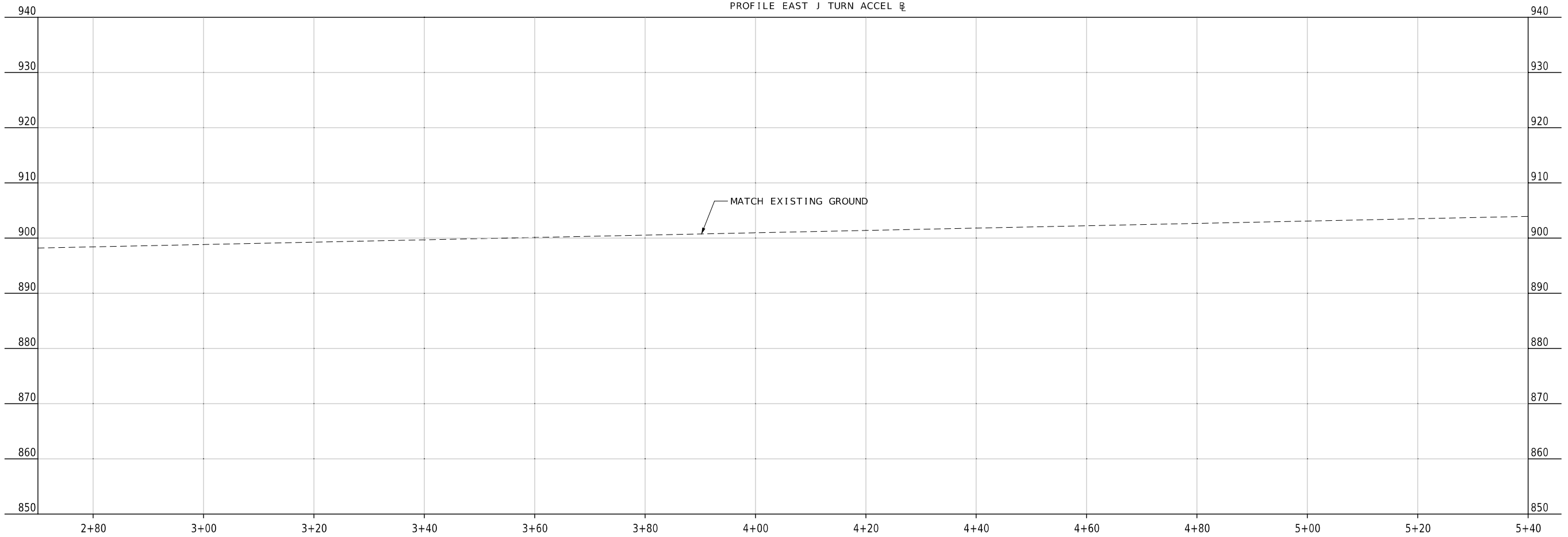
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

PROFILE EAST J TURN ACCEL



PROFILE EAST J TURN ACCEL



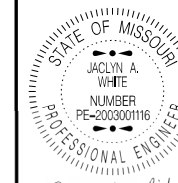
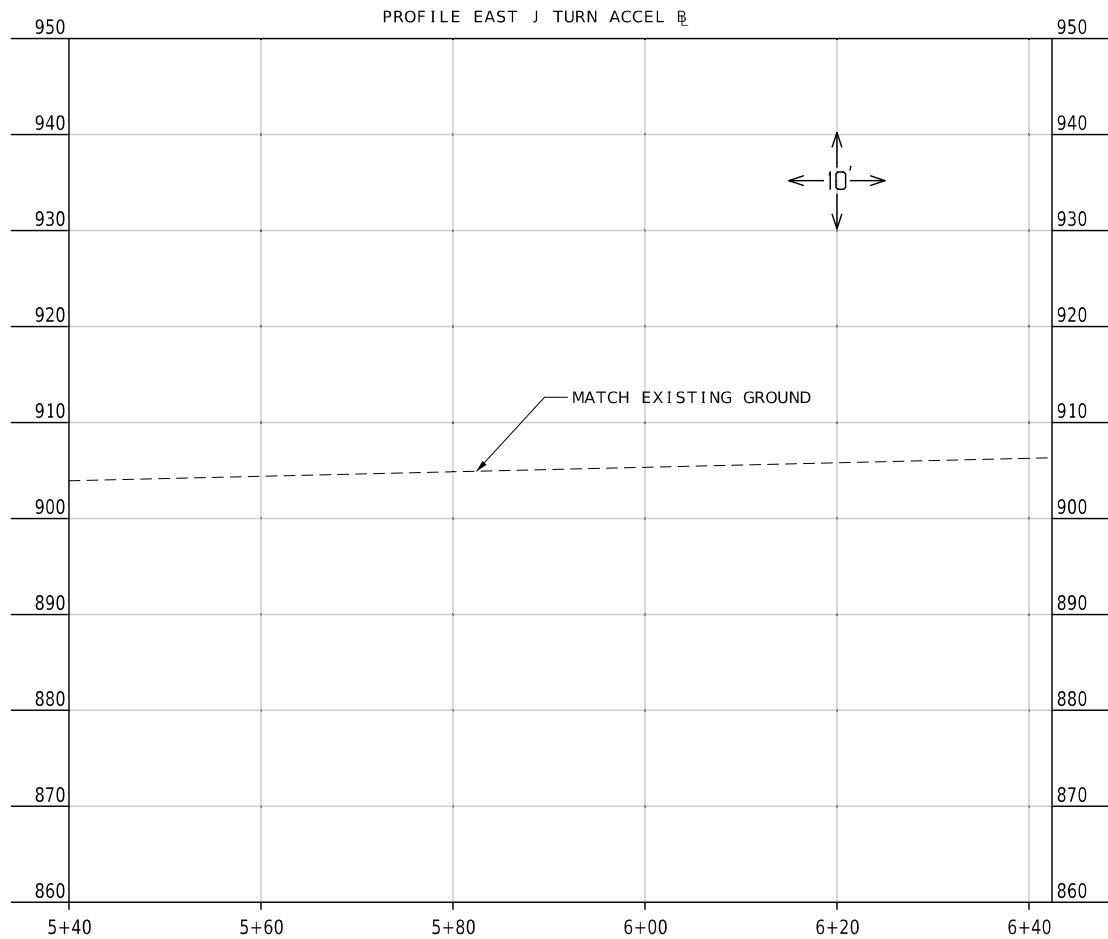
Jaclyn A. White
01.02.2025 8:57:58 AM
JACLYN A. WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED 1/2/2025	
ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 27
COUNTY JOHNSON	
JOB NO. JKR0134	
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)



Jaclyn A. White
 12/31/2024 4:47:00 PM
 JACLYN A WHITE - CIVIL
 MO-PE-2003001116

DATE PREPARED
 12/31/2024

ROUTE STATE
 50 MO

DISTRICT SHEET NO.
 KC 28

COUNTY
 JOHNSON

JOB NO.
 JKR0134

CONTRACT ID.

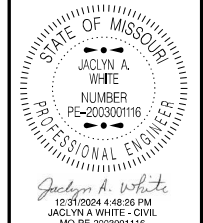
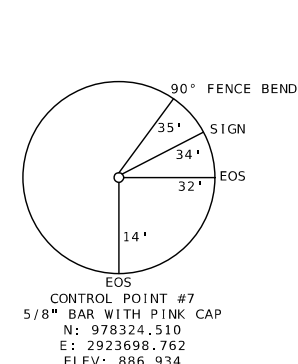
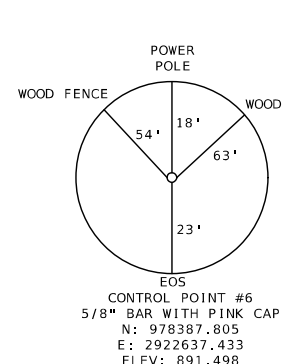
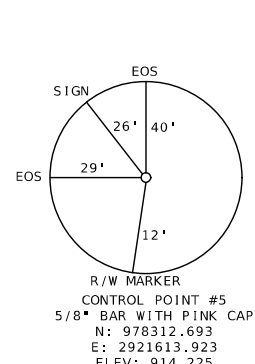
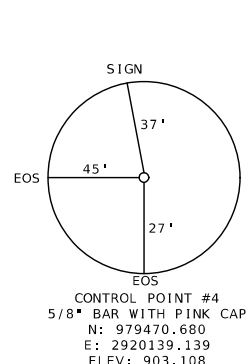
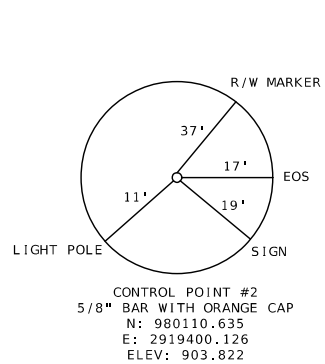
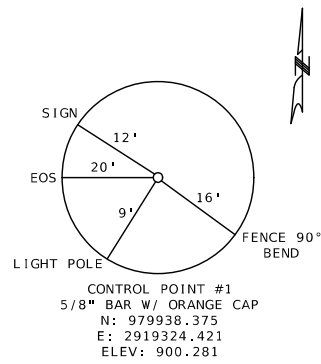
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-273-6636)



DATE PREPARED
12/31/2024

ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 29

COUNTY
JOHNSON

JOB NO.
JKR0134

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	1.00003450

REFERENCE CONTROL INFORMATION	
COORDINATE SYSTEM	MO COORDINATE SYSTEM OF 1983
CONTROL STATION	MO GEOGRAPHIC REFERENCE SYSTEM
DESIGNATION	JO-64
CORS_ID	XX
PID	101064
LATITUDE	38°51'04.78520"
LONGITUDE	094°00'48.13550"
NORTHING (M)	298058.3430
EASTING (M)	892240.6230
ZONE	WEST
PROJECT AVERAGE GRID FACTOR	0.99996550

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								
13	228+29.15	US 50 EB CL	45.48 RT	979938.375	2919324.421	900.281	CONTROL POINT #1	
13	227+73.67	US 50 EB CL	134.30 LT	980110.635	2919400.126	903.822	CONTROL POINT #2	
14	237+51.26	US 50 EB CL	134.04 LT	979470.680	2920139.139	903.108	CONTROL POINT #4	
19	256+38.99	US 50 EB CL	62.99 RT	978312.693	2921613.923	914.225	CONTROL POINT #5	
23	266+46.71	US 50 EB CL	138.26 LT	978387.805	2922637.433	891.498	CONTROL POINT #6	
23	277+09.90	US 50 EB CL	144.37 LT	978324.510	2923698.762	886.934	CONTROL POINT #7	
ALIGNMENTS								
4	190+00.00	US 50 WB CL	0.00	982561.730	2916447.650	NA	START	
4	196+24.97	US 50 WB CL	0.00	982165.668	2916931.098	904.48	PC	
9	205+74.97	US 50 WB CL	0.00	981553.548	2917657.564	902.96	PT	
14	243+95.26	US 50 WB CL	0.00	979051.786	2920544.743	897.55	PC	
19	289+40.00	US 50 WB CL	0.00	978354.567	2922301.163	900.85	PT	
23	296+00.12	US 50 WB CL	0.00	978327.011	2922960.709	889.42	END	
4	185+00.00	US 50 EB CL	0.00	982773.220	2916053.236	NA	START	
4	195+70.52	US 50 EB CL	0.00	982095.283	2916881.737	903.21	PC	
9	205+20.52	US 50 EB CL	0.00	981483.587	2917608.560	902.14	PT	
14	243+60.88	US 50 EB CL	0.00	978970.372	2920512.379	897.75	PC	
19	262+17.55	US 50 EB CL	0.00	978277.847	2922200.169	904.90	PT	
23	293+72.79	US 50 EB CL	0.00	978071.902	2925348.678	903.27	END	
4	0+00.00	WEST J TURN ACCEL DECEL BL	0.00	981917.182	2917207.516	910.14	START	
4	6+73.43	WEST J TURN ACCEL DECEL BL	0.00	982345.889	2916688.172	896.90	PC	
4	8+06.20	WEST J TURN ACCEL DECEL BL	0.00	982280.605	2916635.179	896.52	PT	
4	14+78.77	WEST J TURN ACCEL DECEL BL	0.00	981852.730	2917154.088	906.66	END	
4	0+00.00	J TURN CURVE BL	0.00	982336.635	2916680.533	896.66	PC (START)	
4	1+13.16	J TURN CURVE BL	0.00	982280.605	2916635.179	896.52	PT (END)	
8	0+00.00	POWELL CROSSOVER BL	0.00	981892.765	2917146.954	906.73	START	
9	5+21.31	POWELL CROSSOVER BL	0.00	981555.861	2917544.778	903.54	HPI	
9	8+90.72	POWELL CROSSOVER BL	0.00	981344.710	2917847.898	896.08	PC	
9	9+37.40	POWELL CROSSOVER BL	0.00	981338.572	2917892.445	895.66	PT (END)	
13	0+00.00	1601 CROSSOVER 1 BL	0.00	980594.460	2918655.994	879.83	START	
13	4+99.02	1601 CROSSOVER 1 BL	0.00	980267.769	2919033.225	892.72	HPI	
13	8+91.80	1601 CROSSOVER 1 BL	0.00	980043.599	2919355.741	904.18	PC	
13	9+44.80	1601 CROSSOVER 1 BL	0.00	980027.540	2919405.450	904.99	PT (END)	
14	0+00.00	1601 CROSSOVER 2 BL	0.00	979451.373	2920065.137	901.88	START	
14	4+88.49	1601 CROSSOVER 2 BL	0.00	979770.958	2919695.684	905.50	HPI	
13	8+80.43	1601 CROSSOVER 2 BL	0.00	979994.470	2919373.723	902.64	PC	
13	9+40.08	1601 CROSSOVER 2 BL	0.00	980015.760	2919318.609	901.46	PT (END)	
19	0+00.00	550 CROSSOVER BL	0.00	978332.535	2922544.871	895.34	START	
19	2+44.41	550 CROSSOVER BL	0.00	978343.847	2922300.715	901.17	PC	
19	5+20.05	550 CROSSOVER BL	0.00	978368.284	2922026.269	907.87	PT	
19	9+14.55	550 CROSSOVER BL	0.00	978403.103	2921633.305	912.22	PC	
19	9+64.45	550 CROSSOVER BL	0.00	978397.825	2921584.007	912.04	PT (END)	
23	0+00.00	EAST J TURN DECEL BL	0.00	978307.855	2922028.248	907.94	PC (START)	
23	1+73.64	EAST J TURN DECEL BL	0.00	978290.580	2922201.002	904.55	PT	
23	6+45.86	EAST J TURN DECEL BL	0.00	978259.906	2922672.226	893.46	END	
23	0+00.00	EAST J TURN BL	0.00	978271.843	2922672.998	893.22	PC (START)	
23	1+28.45	EAST J TURN BL	0.00	978353.189	2922677.799	892.50	PT (END)	
23	0+00.00	EAST J TURN ACCEL BL	0.00	978353.189	2922677.799	892.50	START	
23	3+28.26	EAST J TURN ACCEL BL	0.00	978367.332	2922677.799	899.47	PC	
23	6+42.41	EAST J TURN ACCEL BL	0.00	978392.988	2922036.830	906.32	PT (END)	



12/31/2024 4:49:04 PM
 JACQUELYN A. WHITE - CIVIL
 MO-PE-200300116

DATE PREPARED
12/31/2024

ROUTE **50** STATE **MO**

DISTRICT **KC** SHEET NO. **30**

COUNTY **JOHNSON**

JOB NO. **JKR0134**

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)

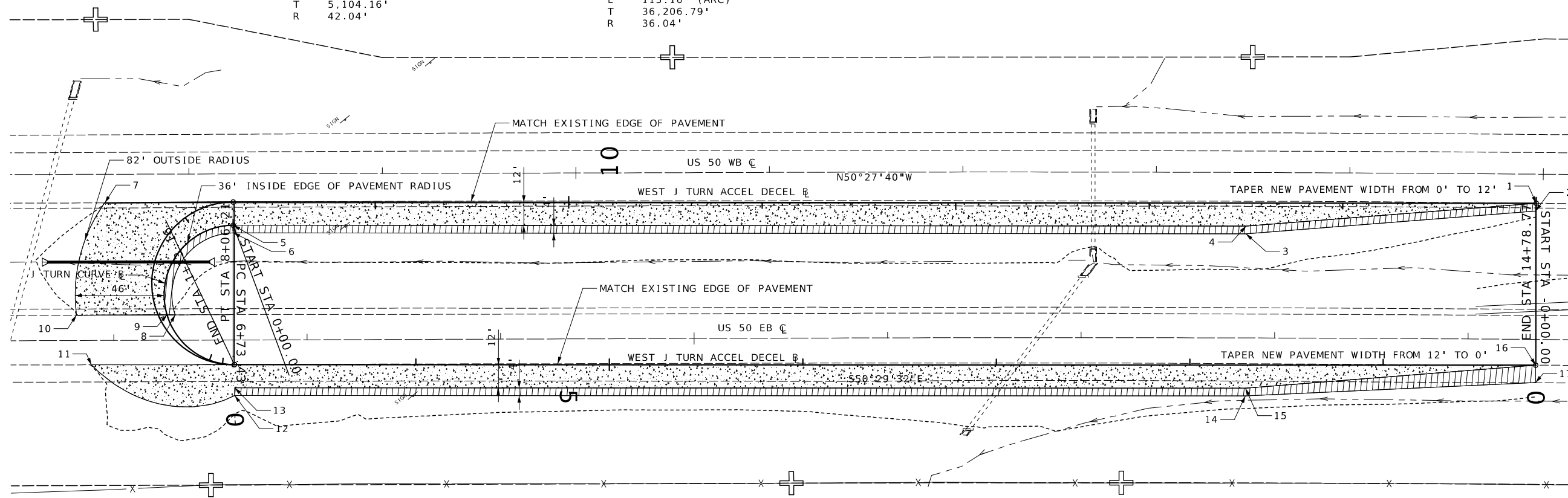
POINT	LOCATION	STA.	OFF.	EL.
1	WEST J TURN ACCEL DECEL BL	0+00.00	0.00'	910.14
2	WEST J TURN ACCEL DECEL BL	0+00.00	4.00' LT	910.06
3	WEST J TURN ACCEL DECEL BL	1+50.00	16.00' LT	908.45
4	WEST J TURN ACCEL DECEL BL	1+50.00	12.00' LT	908.53
5	WEST J TURN ACCEL DECEL BL	6+73.43	12.00' LT	896.66
6	WEST J TURN ACCEL DECEL BL	6+73.43	16.00' LT	896.58
7	J TURN CURVE BL	0+33.97	46.00' RT	895.12
8	J TURN CURVE BL	0+68.06	4.00' LT	895.84
9	J TURN CURVE BL	0+66.72	0.00'	895.73
10	J TURN CURVE BL	0+60.89	46.00' RT	894.57
11	J TURN CURVE BL	0+72.75	46.00' RT	894.66
12	WEST J TURN ACCEL DECEL BL	8+06.34	16.00' RT	896.25
13	WEST J TURN ACCEL DECEL BL	8+06.34	12.00' RT	896.33
14	WEST J TURN ACCEL DECEL BL	13+28.77	16.00' RT	905.43
15	WEST J TURN ACCEL DECEL BL	13+28.77	12.00' RT	905.52
16	WEST J TURN ACCEL DECEL BL	14+78.77	0.00'	906.66
17	WEST J TURN ACCEL DECEL BL	14+78.77	9.00' RT	906.48

WEST J TURN ACCEL DECEL \curvearrowright
 PI 57+77.59
 PC 6+73.43
 PT 8+06.21
 Δ 180°56'38.0" (RT)
 D 136°16'34.6"
 L 132.78' (ARC)
 T 5,104.16'
 R 42.04'

J TURN CURVE \curvearrowright
 PI 362+06.79
 PC 0+00.00
 PT 1+13.16
 Δ 179°53'9.3" (RT)
 D 158°57'59.5"
 L 113.16' (ARC)
 T 36,206.79'
 R 36.04'

195

200

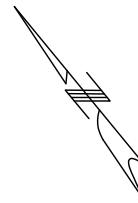
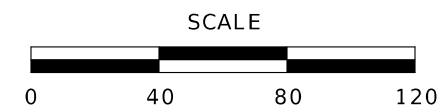


J TURN CURVE \curvearrowright
 STA. 0+72.75 TO STA. 1+13.16
 TAPER CURVE WIDTH FROM 46' TO 16'
 ADJUST PAVEMENT SLOPE FROM -2.30% TO -2.00%

J TURN CURVE \curvearrowright
 STA. 0+33.93 TO STA. 0+60.89
 ADJUST PAVEMENT SLOPE
 FROM -2.31% TO -2.72%

195

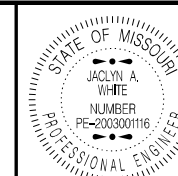
SPECIAL SHEET
1 OF 8



PROPOSED FULL DEPTH PAVEMENT



PROPOSED SHOULDER



Jaclyn A. White
12/31/2024 4:49:55 PM
JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
12/31/2024

ROUTE 50 STATE MO

DISTRICT KC SHEET NO. 31

COUNTY JOHNSON

JOB NO. JKR0134

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

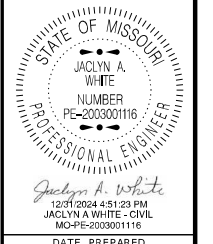
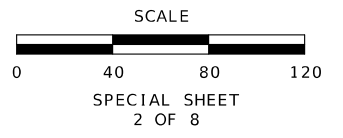
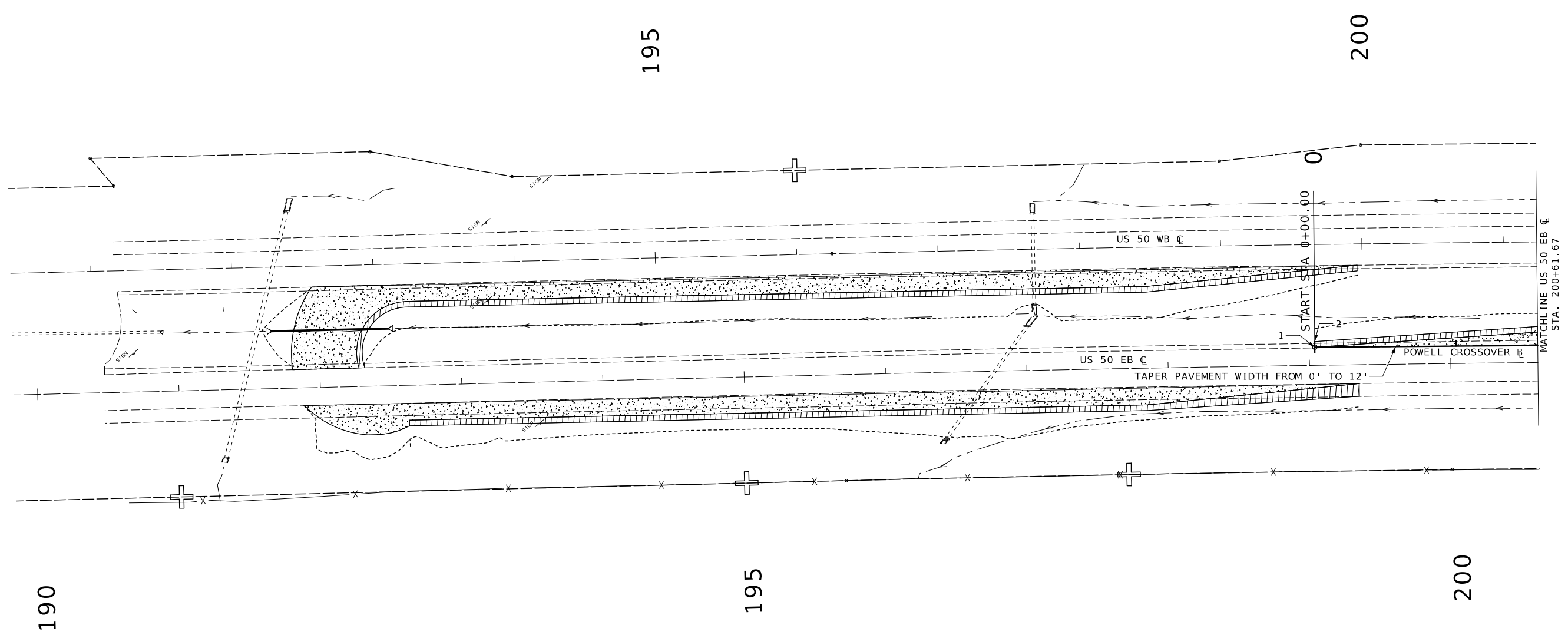
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



POINT	LOCATION	STA.	OFF.	EL.
1	POWELL CROSSOVER BL	0+00.00	0.00'	906.74
2	POWELL CROSSOVER BL	0+00.00	4.00' LT	906.66



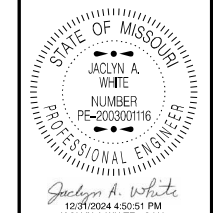
DATE PREPARED 12/31/2024	
ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 32
COUNTY JOHNSON	
JOB NO. JKR0134	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

POINT	LOCATION	STA.	OFF.	EL.
3	POWELL CROSSOVER BL	2+00.00	12.00' LT	906.52
4	POWELL CROSSOVER BL	2+00.00	16.00' LT	906.43
5	POWELL CROSSOVER BL	4+70.00	12.00' LT	904.21
6	POWELL CROSSOVER BL	4+70.00	16.00' LT	904.13
7	POWELL CROSSOVER BL	5+21.31	0.00'	903.54
8	POWELL CROSSOVER BL	7+80.37	26.98' RT	898.74
9	POWELL CROSSOVER BL	7+80.37	22.98' RT	898.65
10	POWELL CROSSOVER BL	7+80.37	4.00' RT	898.20
11	POWELL CROSSOVER BL	8+76.85	12.00' LT	896.60
12	POWELL CROSSOVER BL	8+77.09	20.51' LT	896.85
13	POWELL CROSSOVER BL	9+30.82	0.00'	895.74
14	POWELL CROSSOVER BL	9+30.40	4.00' RT	895.61
15	US 50 EB CL	208+66.15	12.36' LT	EXIST.
16	US 50 EB CL	208+66.06	16.44' LT	EXIST.
17	US 50 WB CL	211+77.71	13.59' RT	EXIST.
18	US 50 WB CL	211+77.72	16.39' RT	EXIST.
19	US 50 WB CL	208+78.11	28.57' LT	EXIST.
20	US 50 WB CL	208+75.57	31.66' LT	EXIST.
21	US 50 WB CL	208+90.45	49.46' LT	EXIST.
22	US 50 WB CL	208+86.62	50.20' LT	EXIST.



DATE PREPARED
12/31/2024

ROUTE	STATE
50	MO
DISTRICT	SHEET NO.
KC	33

COUNTY
JOHNSON

JOB NO.
JKR0134

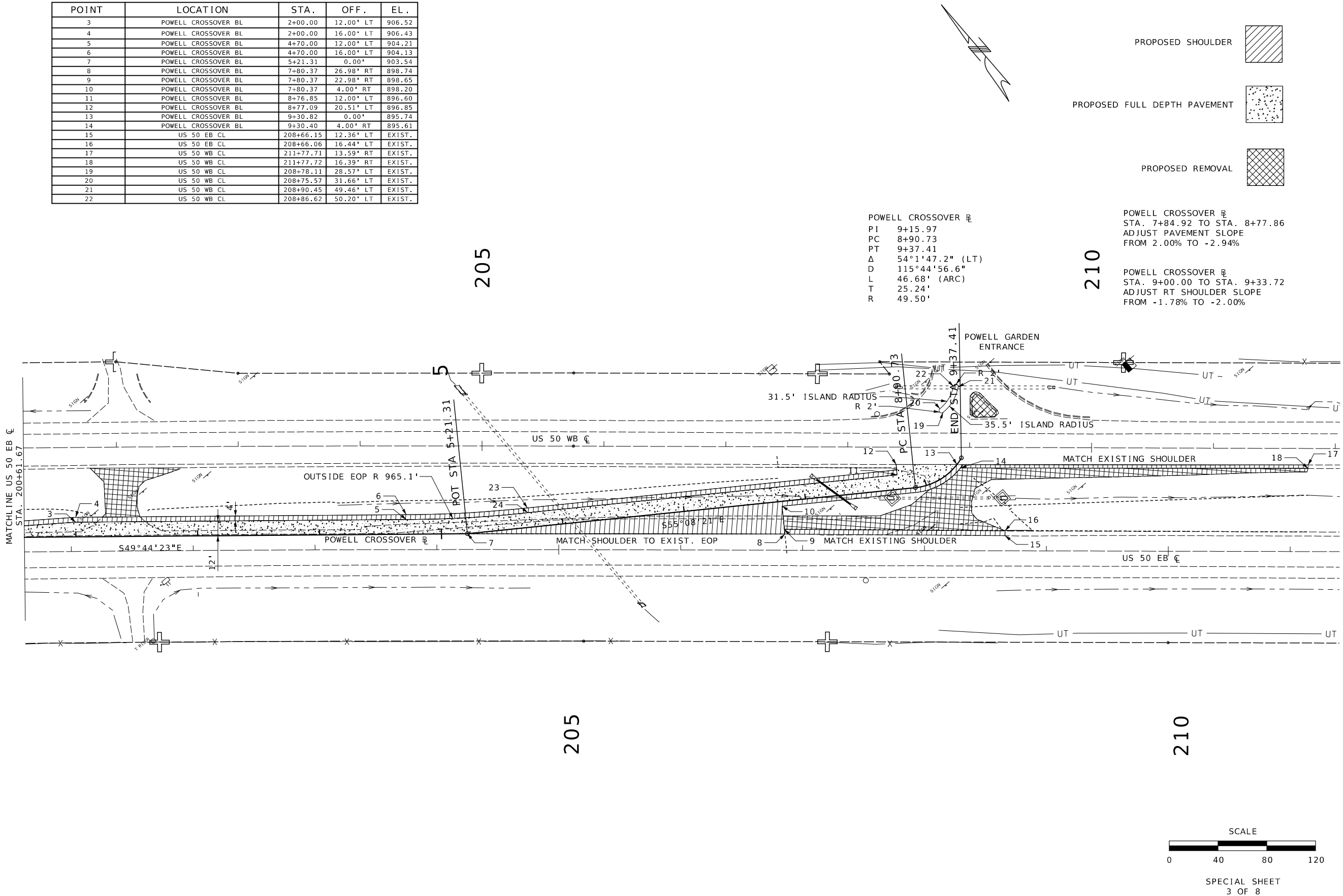
CONTRACT ID.

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)



PROPOSED SHOULDER

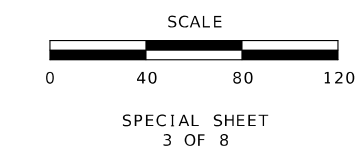
PROPOSED FULL DEPTH PAVEMENT

PROPOSED REMOVAL

POWELL CROSSOVER \curvearrowright
PI 9+15.97
PC 8+90.73
PT 9+37.41
 Δ 54°1'47.2" (LT)
D 115°44'56.6"
L 46.68' (ARC)
T 25.24'
R 49.50'


POWELL CROSSOVER \curvearrowright
STA. 7+84.92 TO STA. 8+77.86
ADJUST PAVEMENT SLOPE
FROM 2.00% TO -2.94%


POWELL CROSSOVER \curvearrowright
STA. 9+00.00 TO STA. 9+33.72
ADJUST RT SHOULDER SLOPE
FROM -1.78% TO -2.00%




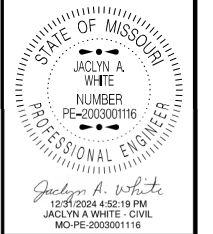
POINT	LOCATION	STA.	OFF.	EL.
1	1601 CROSSOVER 1 BL	0+00.00	0.00'	879.83
2	1601 CROSSOVER 1 BL	0+00.00	4.00' LT	879.75
3	1601 CROSSOVER 1 BL	2+00.00	16.00' LT	883.60
4	1601 CROSSOVER 1 BL	2+00.00	12.00' LT	883.68
5	1601 CROSSOVER 1 BL	4+48.38	12.09' LT	890.94
6	1601 CROSSOVER 1 BL	5+50.00	12.00' LT	893.69
7	1601 CROSSOVER 1 BL	4+99.04	0.00'	892.72
8	1601 CROSSOVER 1 BL	6+96.83	20.87' RT	898.00
9	1601 CROSSOVER 1 BL	6+96.83	16.89' RT	897.91
10	1601 CROSSOVER 1 BL	6+96.83	4.00' RT	897.59
11	1601 CROSSOVER 1 BL	8+68.66	12.00' LT	903.86
12	1601 CROSSOVER 1 BL	8+69.23	19.65' LT	EXIST.
13	1601 CROSSOVER 1 BL	7+94.96	24.08' LT	EXIST.
14	1601 CROSSOVER 1 BL	7+95.23	27.40' LT	EXIST.
15	1601 CROSSOVER 1 BL	9+38.70	0.00'	EXIST.
16	1601 CROSSOVER 1 BL	9+38.65	4.00' RT	904.75
17	1601 CROSSOVER 2 BL	9+31.72	4.00' RT	901.60
18	1601 CROSSOVER 2 BL	9+32.16	0.00'	EXIST.
19	1601 CROSSOVER 2 BL	8+48.15	19.65' LT	EXIST.
20	1601 CROSSOVER 2 BL	8+48.03	12.00' LT	902.95
21	1601 CROSSOVER 2 BL	7+96.29	24.97' LT	EXIST.
22	1601 CROSSOVER 2 BL	7+96.29	21.59' LT	EXIST.
23	US 50 WB CL	228+54.06	60.24' LT	EXIST.
24	US 50 WB CL	228+26.82	23.04' LT	EXIST.
25	US 50 WB CL	228+72.42	53.44' LT	EXIST.
26	US 50 WB CL	228+76.49	53.30' LT	EXIST.
27	US 50 WB CL	228+61.65	30.05' LT	EXIST.
28	US 50 WB CL	228+64.37	27.27' LT	EXIST.
29	US 50 EB CL	227+49.53	22.63' RT	EXIST.
30	US 50 EB CL	227+79.22	80.63' RT	EXIST.
31	US 50 EB CL	228+04.47	80.15' RT	EXIST.
32	US 50 EB CL	228+50.59	21.82' RT	EXIST.
33	US 50 EB CL	228+15.64	25.67' RT	EXIST.

POINT	LOCATION	STA.	OFF.	EL.
34	US 50 EB CL	228+18.17	28.76' RT	EXIST.
35	US 50 EB CL	227+93.09	52.91' RT	EXIST.
36	US 50 EB CL	227+96.82	54.24' RT	EXIST.
37	US 50 WB CL	228+52.07	60.06' LT	EXIST.
38	US 50 WB CL	228+26.78	25.04' LT	EXIST.
39	US 50 EB CL	227+49.67	24.63' RT	EXIST.
40	US 50 EB CL	227+77.22	80.67' RT	EXIST.
41	US 50 EB CL	228+06.47	80.33' RT	EXIST.
42	US 50 EB CL	228+50.66	23.82' RT	EXIST.

PROPOSED SHOULDER 

REMOVAL 

PROPOSED FULL DEPTH PAVEMENT 



DATE PREPARED
12/31/2024

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 34

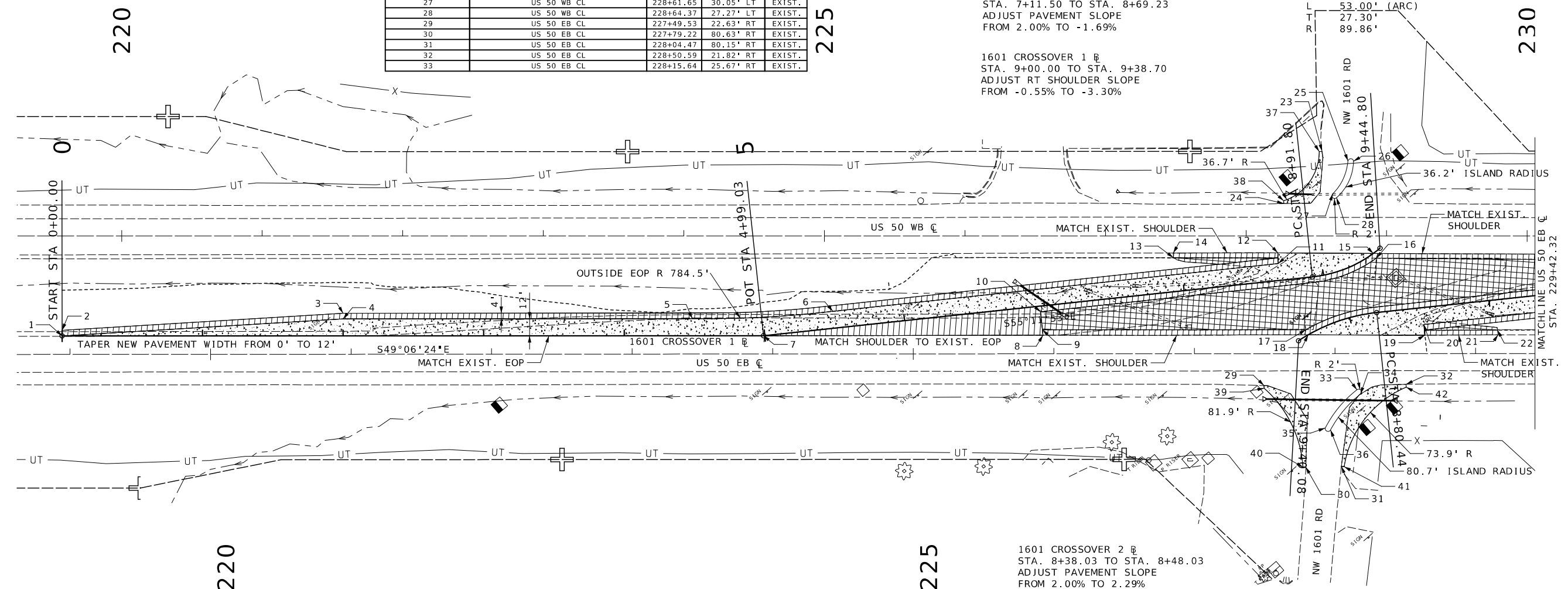
COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

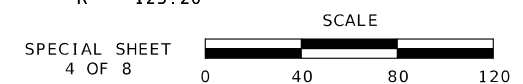


1601 CROSSOVER 1 R
STA. 7+11.50 TO STA. 8+69.23
ADJUST PAVEMENT SLOPE
FROM 2.00% TO -1.69%

1601 CROSSOVER 1 R
STA. 9+00.00 TO STA. 9+38.70
ADJUST RT SHOULDER SLOPE
FROM -0.55% TO -3.30%


1601 CROSSOVER 1 R
PI 9+19.10
PC 8+91.80
PT 9+44.80
Δ 33°47'50.5" (LT)
D 63°45'48.9"
L 53.00' (ARC)
T 27.30'
R 89.86'

1601 CROSSOVER 2 R
PI 9+10.84
PC 8+80.44
PT 9+40.08
Δ 27°17'43.5" (LT)
D 45°45'44.8"
L 59.65' (ARC)
T 30.40'
R 125.20'



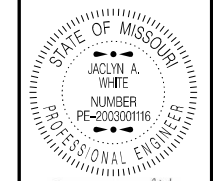
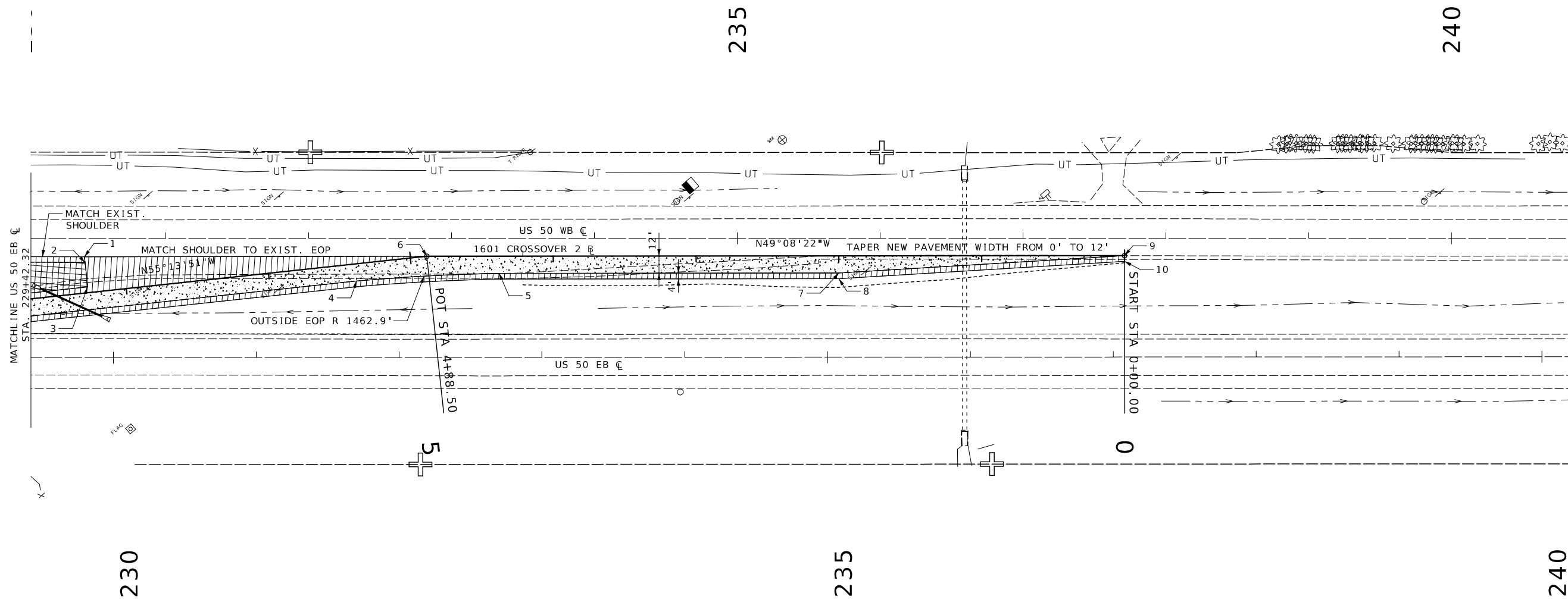
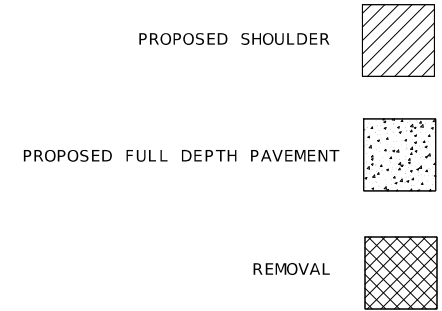
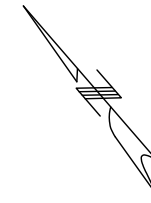
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

POINT	LOCATION	STA.	OFF.	EL.
1	1601 CROSSOVER 2 BL	7+26.76	25.25 RT	906.33
2	1601 CROSSOVER 2 BL	7+26.76	21.25' RT	906.10
3	1601 CROSSOVER 2 BL	7+26.76	4.00' RT	905.12
4	1601 CROSSOVER 2 BL	5+39.14	12.00' LT	905.58
5	1601 CROSSOVER 2 BL	4+37.84	12.00' LT	905.25
6	1601 CROSSOVER 2 BL	4+88.50	0.00'	905.72
7	1601 CROSSOVER 2 BL	2+00.00	12.00' LT	903.02
8	1601 CROSSOVER 2 BL	2+00.00	16.00' LT	902.94
9	1601 CROSSOVER 2 BL	0+00.00	0.00'	901.88
10	1601 CROSSOVER 2 BL	0+00.00	4.00' LT	901.80



DATE PREPARED
12/31/2024

ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 35

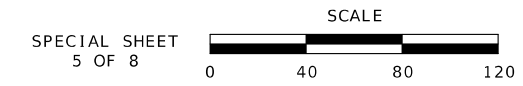
COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.

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)

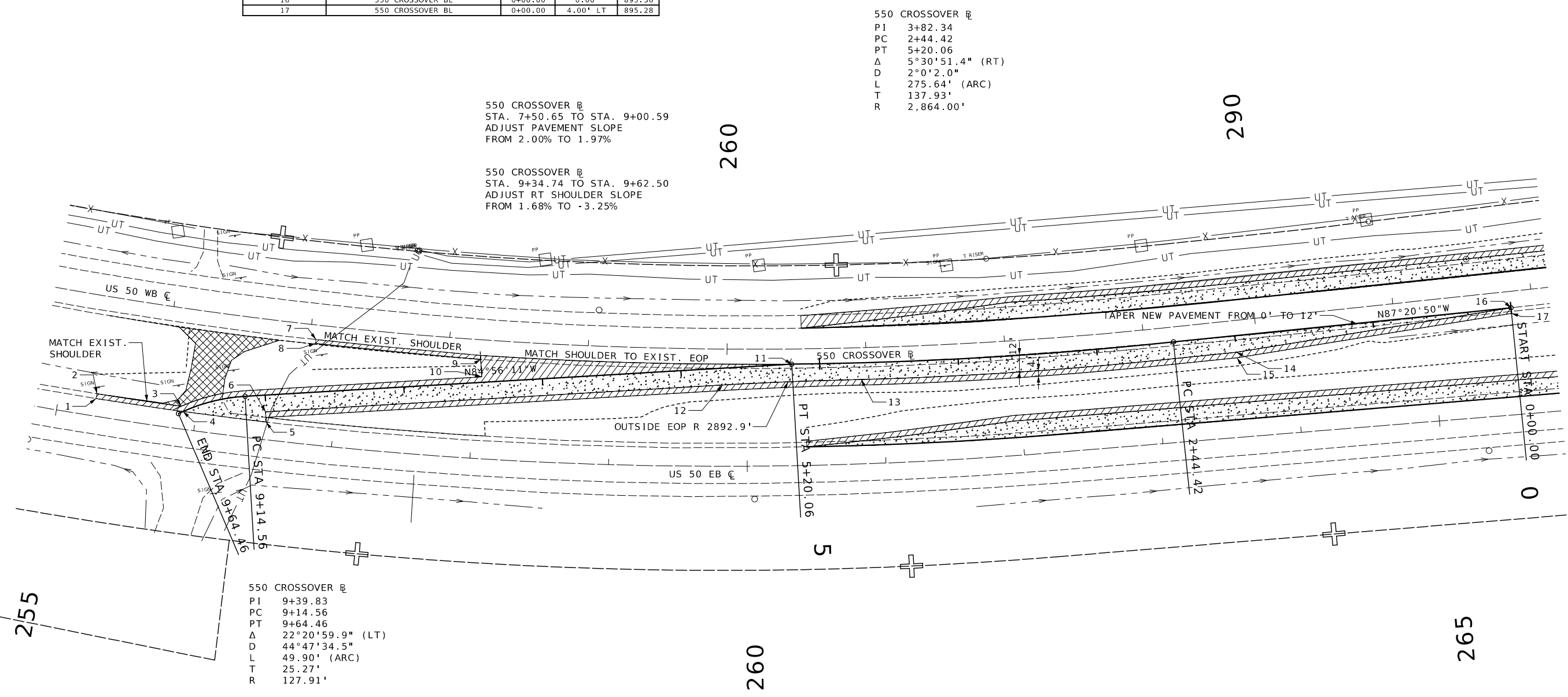
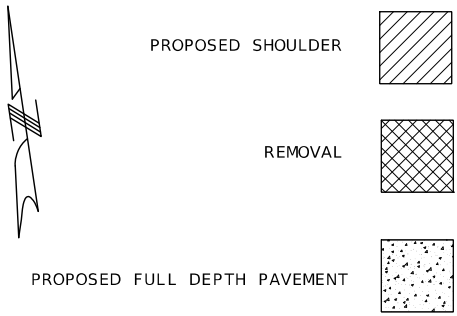


POINT	LOCATION	STA.	OFF.	EL.
1	US 50 EB CL	255+26.82	12.67' LT	EXIST.
2	US 50 EB CL	255+26.96	16.18' LT	EXIST.
3	550 CROSSOVER BL	9+60.60	4.00' RT	911.85
4	550 CROSSOVER BL	9+60.81	0.00'	911.95
5	550 CROSSOVER BL	9+00.52	19.38' LT	911.88
6	550 CROSSOVER BL	9+00.47	12.00' LT	912.04
7	550 CROSSOVER BL	8+61.21	37.84' RT	EXIST.
8	550 CROSSOVER BL	8+61.74	34.64' RT	EXIST.
9	550 CROSSOVER BL	7+43.55	16.58' RT	912.42
10	550 CROSSOVER BL	7+43.55	4.00' RT	911.95
11	550 CROSSOVER BL	5+20.06	0.00'	907.87
12	550 CROSSOVER BL	5+70.64	12.00' LT	908.86
13	550 CROSSOVER BL	4+70.33	12.00' LT	906.44
14	550 CROSSOVER BL	2+00.00	12.00' LT	899.75
15	550 CROSSOVER BL	2+00.00	16.00' LT	899.67
16	550 CROSSOVER BL	0+00.00	0.00'	895.36
17	550 CROSSOVER BL	0+00.00	4.00' LT	895.28

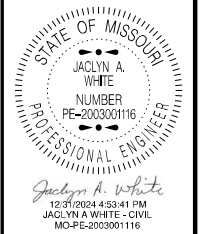
550 CROSSOVER @
PI 3+82.34
PC 2+44.42
PT 5+20.06
Δ 5°30'51.4" (RT)
D 2°0'2.0"
L 275.64' (ARC)
T 137.93'
R 2,864.00'

550 CROSSOVER @
STA. 7+50.65 TO STA. 9+00.59
ADJUST PAVEMENT SLOPE
FROM 2.00% TO 1.97%

550 CROSSOVER @
STA. 9+34.74 TO STA. 9+62.50
ADJUST RT SHOULDER SLOPE
FROM 1.68% TO -3.25%



550 CROSSOVER @
PI 9+39.83
PC 9+14.56
PT 9+64.46
Δ 22°20'59.9" (LT)
D 44°47'34.5"
L 49.90' (ARC)
T 25.27'
R 127.91'



DATE PREPARED
12/31/2024
ROUTE **50** STATE **MO**
DISTRICT **KC** SHEET NO. **36**
COUNTY
JOHNSON
JOB NO.
JKR0134
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)

POINT	LOCATION	STA.	OFF.	EL.
1	EAST J TURN DECEL BL	0+00.00	0.00'	907.93
2	EAST J TURN DECEL BL	0+00.00	4.00' LT	907.85
3	EAST J TURN DECEL BL	1+50.00	12.00' LT	904.83
4	EAST J TURN DECEL BL	1+50.00	16.00' LT	904.75
5	EAST J TURN DECEL BL	6+45.86	12.00' LT	893.22
6	EAST J TURN DECEL BL	6+45.86	16.00' LT	894.14
7	EAST J TURN BL	0+37.34	46.07' RT	892.00
8	EAST J TURN BL	0+82.02	4.00' LT	892.02
9	EAST J TURN BL	0+80.27	0.00'	891.93
10	EAST J TURN BL	0+72.05	46.00' RT	891.14
11	EAST J TURN BL	0+84.95	46.00' RT	891.12
12	EAST J TURN BL	1+28.46	16.00' RT	892.18
13	EAST J TURN ACCEL BL	4+92.41	16.00' RT	902.52
14	EAST J TURN ACCEL BL	4+92.41	12.00' RT	902.60
15	EAST J TURN ACCEL BL	6+42.41	9.27' RT	905.75
16	EAST J TURN ACCEL BL	6+42.41	0.00'	906.32

EAST J TURN \curvearrowright
 STA. 0+37.34 TO STA. 0+72.04
 ADJUST PAVEMENT SLOPE
 FROM -2.00% TO -1.34%

EAST J TURN \curvearrowright
 STA. 0+85.00 TO STA. 1+28.46
 TAPER CURVE WIDTH FROM 46' TO 16'
 ADJUST PAVEMENT SLOPE FROM -1.80% TO -2.00%

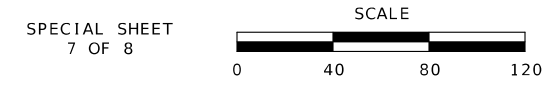
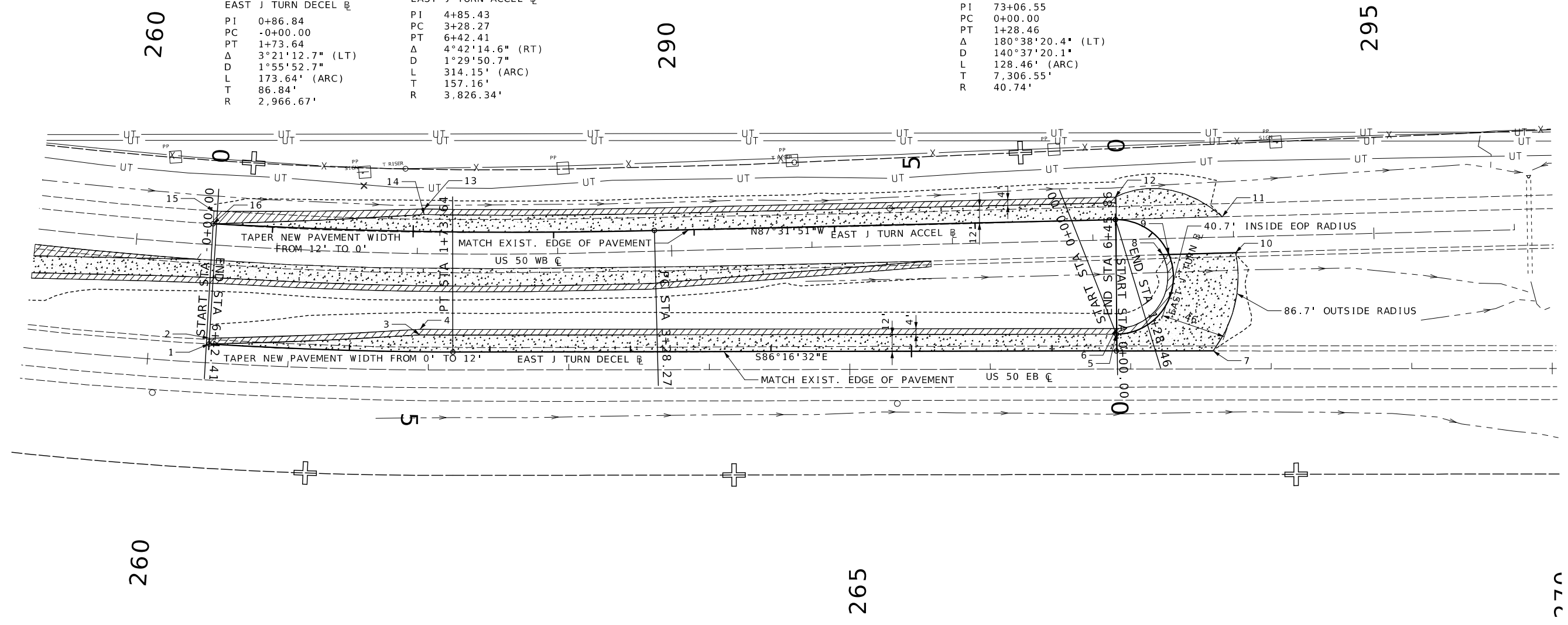
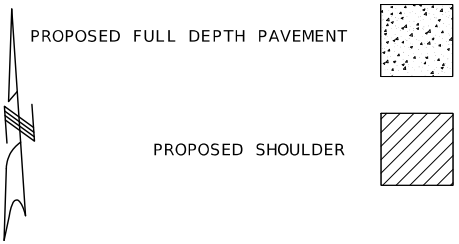
EAST J TURN \curvearrowright
 STA. 0+69.62 TO STA. 0+78.77
 ADJUST LT SHOULDER SLOPE
 FROM -1.95% TO 0.89%

EAST J TURN \curvearrowright
 STA. 0+78.77 TO STA. 0+82.02
 MATCH LT EDGE OF SHOULDER
 TO EXIST. SHOULDER

EAST J TURN \curvearrowright
 PI 73+06.55
 PC 0+00.00
 PT 1+28.46
 Δ 180°38'20.4" (LT)
 D 140°37'20.1"
 L 128.46' (ARC)
 T 7,306.55'
 R 40.74'

EAST J TURN DECEL \curvearrowright
 PI 0+86.84
 PC -0+00.00
 PT 1+73.64
 Δ 3°21'12.7" (LT)
 D 1°55'52.7"
 L 173.64' (ARC)
 T 86.84'
 R 2,966.67'

EAST J TURN ACCEL \curvearrowright
 PI 4+85.43
 PC 3+28.27
 PT 6+42.41
 Δ 4°42'14.6" (RT)
 D 1°29'50.7"
 L 314.15' (ARC)
 T 157.16'
 R 3,826.34'



JACLYN A. WHITE
 NUMBER
 PE-200300116
 PROFESSIONAL ENGINEER

DATE PREPARED
12/31/2024

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 37

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

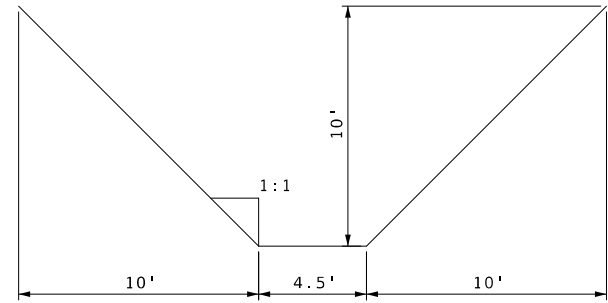
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

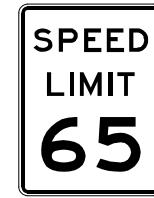


ASSUMED EXCAVATION CROSS SECTION

SEE SHEET 78 FOR EXISTING CULVERT PLANS



WO20-1
2



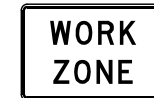
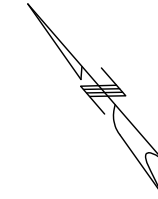
R2-1
25
NORMAL SPEED



R2-1
4



WO20-5
5



GO20-5aP
54

SEED ENTIRE DISTURBED AREA

RE-GRADE DITCH TO DRAIN TO NEW D.I.

EXCAVATE 108 CY CLASS A
DROP INLET RCP CONNECTS TO 10' X 9' RCB
10' BELOW EXISTING GROUND

EXISTING DRAINAGE EASEMENT

MATCH SIGN, ARROW PANEL, AND CHANNELIZER SETUP ON US 50 WB

215

220

US 50 EB C
STA. 217+75
REMOVE EXIST. 4' X 3' DROP INLET
REMOVE EXIST. 17' 18" RCP
BUILD NEW 5' X 3' DROP INLET
BUILD NEW 17' 18" GROUP B PIPE
2 TYPE A PIPE COLLARS

400' TCT BARRIER

WO4-1aR
6A

WO20-6a
6

840' BUFFER LENGTH WITH 120' CHANNELIZER SPACING

840' LANE TAPER AND 235' SHOULDER TAPER WITH 60' CHANNELIZER SPACING

EXISTING RW

CALCULATED EXCAVATION AREA 0.02 AC

TEMPORARY SHORING (AS NEEDED)

UT

1000' 1000' 1000' 1000'

D.N.D. EXISTING 10' X 9' RCB

120' CHANNELIZER SPACING THROUGH WORK AREA

US 50 WB C

2 ALT DITCH CHECKS AT 37' SPACING

TEMPORARY SHORING (AS NEEDED)

EXISTING RW

215

220

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- CHANNELIZER
- ... FLASHING ARROW PANEL

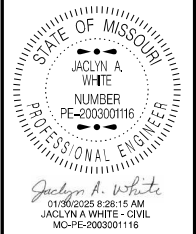
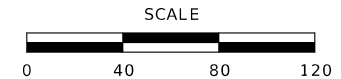
NOTE:
EARTH WORK LOCATIONS ARE FOR INFORMATION ONLY INDICATING HOW THE BID QUANTITIES WERE ESTIMATED AND DO NOT NECESSARILY REFLECT THE ACTUAL VOLUMES OR AREAS NECESSARY TO BE EXCAVATED OR SHAPED.

ANY ADDITIONAL FILL MATERIAL REQUIRED FROM OFF SITE SHALL BE QUANTIFIED AND SUPPLIED AS EMBANKMENT IN PLACE.

ALL EXCAVATION FOR REMOVAL OF EXISTING STRUCTURES/PIPE AND GRADING TO RESTORE THE MEDIAN GRADES AS SHOWN ON THE PLANS ARE INCLUDED IN THE LUMP SUM QUANTITIES.

ALL QUANTITIES AND LOCATIONS ARE APPROXIMATE

MEDIAN CULVERT REPAIR
SPECIAL SHEET
8 OF 8

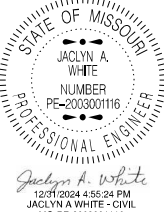


DATE PREPARED
1/30/2025
ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 38
COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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

SPACING AND TAPER LENGTHS FOR WORK ZONE SIGNS, CHANNELIZERS AND CONCRETE BARRIER



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'

- NOTE:
 (1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.
 (2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.
 (3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER
 (4) 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

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 BASED ON 10' SHOULDER	BUFFER LENGTH FT	MAXIMUM CHANNELIZER SPACING	
						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'

DATE PREPARED
12/31/2024

ROUTE 50 STATE MO

DISTRICT KC SHEET NO. 39

COUNTY JOHNSON

JOB NO. JKR0134

CONTRACT ID.

PROJECT NO.

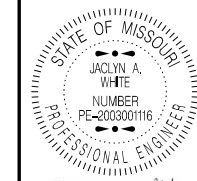
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)



Jacquyn A. White
01/26/2025 8:28:45 AM
JACLYN A WHITE - CIVIL
MO-PE-200300116

DATE PREPARED
12/31/2024

ROUTE STATE
50 MO

DISTRICT SHEET NO.
KC 40

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

BEGIN/END TEMPORARY TRAFFIC CONTROL SHEET 2 OF 8

NOTES:

SIGN G020-1 IS REQUIRED PER EPG 616.6.56.

SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

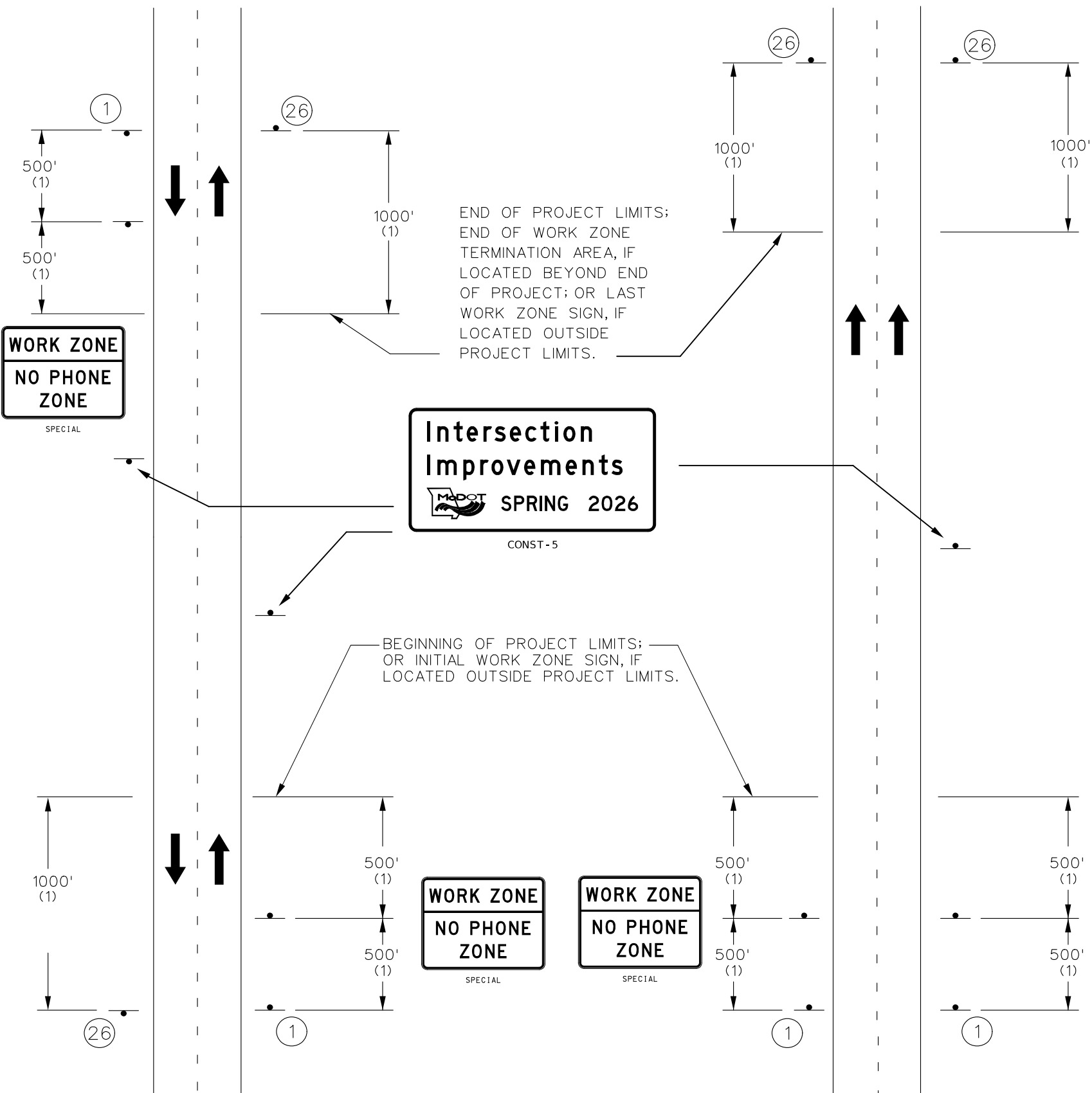
ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(3) SIGN CONST-5-96 OR CONST-5-48 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-48 OR CONST-7-72.

(5) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96 IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(6) THE "WORK ZONE NO PHONE ZONE" SIGN IS PLACED A MINIMUM OF 500 FEET BEFORE THE ROAD WORK AHEAD SIGN.

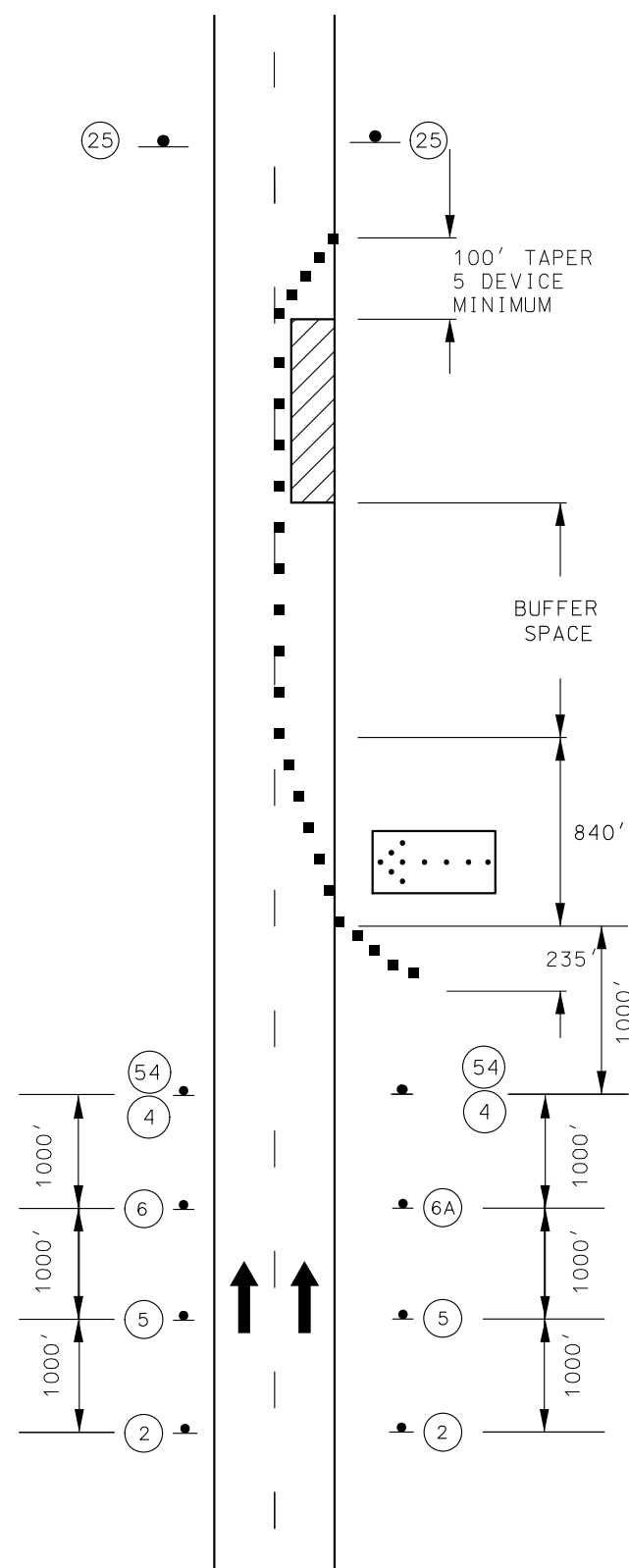


TWO-LANE UNDIVIDED

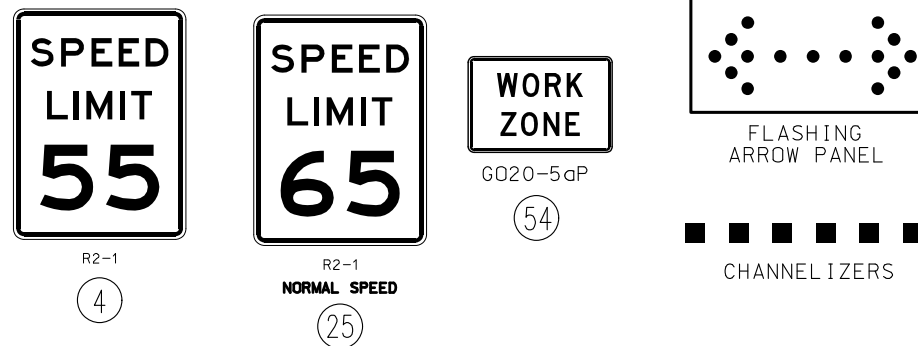
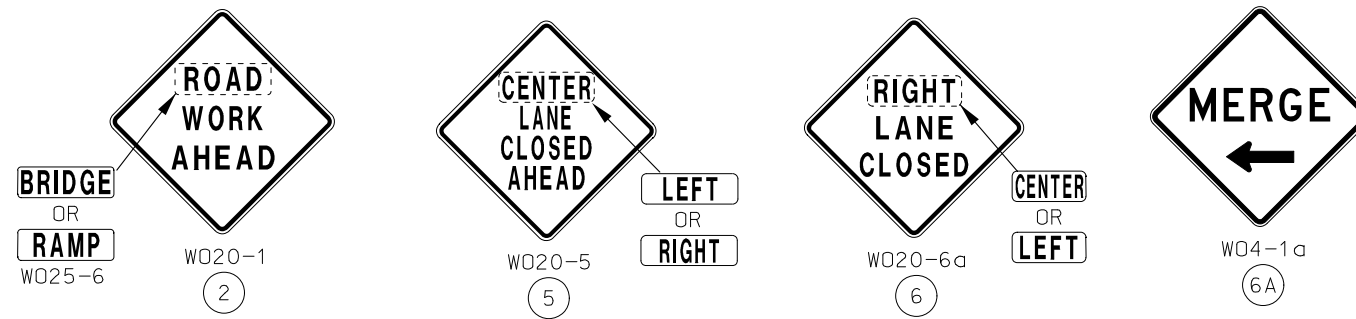
BEGIN/END OF PROJECT SIGNING
(FOR USE ON ALL PROJECTS)

MULTI-LANE DIVIDED

BEGIN/END TEMPORARY TRAFFIC CONTROL SHEET 2 OF 8



TWO-LANE DIVIDED HIGHWAY



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.
- REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.
- TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.
- THIS INFORMATION ALSO SHALL BE USED WHEN WORK IS BEING PERFORMED IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY. IN THIS CASE, THE LEFT LANE CLOSED SIGNS AND THE CORRESPONDING MERGE OR LANE ENDS SIGN SHALL BE SUBSTITUTED.
- WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE ADDITIONAL TTC DEVICES SHALL BE PLACED AS NEEDED.
- TEMPORARY TRAFFIC BARRIERS, IF USED SHALL COMPLY WITH THE PROVISIONS IN EPG 616.6.85 TEMPORARY TRAFFIC BARRIER AND REVIEW TA-34 LANE CLOSURE WITH A TEMPORARY TRAFFIC BARRIER.
- REVIEW EPG TA-34a LANE CLOSURE WITH WIDTH AND LANE RESTRICTIONS DE/CM FOR A LANE CLOSURE WITH WIDTH RESTRICTIONS.
- AN 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.
- REVIEW EPG 616.6.83 WARNING LIGHTS WHEN SEQUENTIAL OR WARNING LIGHTS SHOULD BE USED ON NIGHTTIME OPERATIONS.
- IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.
- FOR FLAGS AND ADVANCE WARNING RAIL SYSTEM, REFER TO EPG 616.6.2.2 FLAG AND ADVANCE WARNING RAIL SYSTEM.
- REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES

STATE OF MISSOURI
JACLYN A. WHITE
NUMBER
PE-2003001116
PROFESSIONAL ENGINEER

Jaclyn A. White
12/31/2024 4:58:47 PM
JACLYN A. WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
12/31/2024

ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 41

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

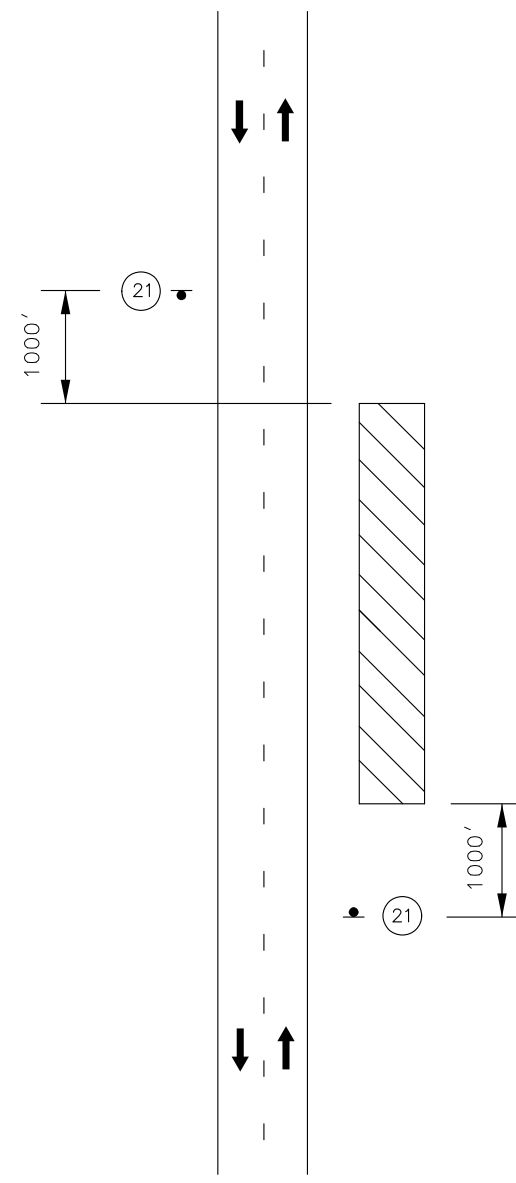
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

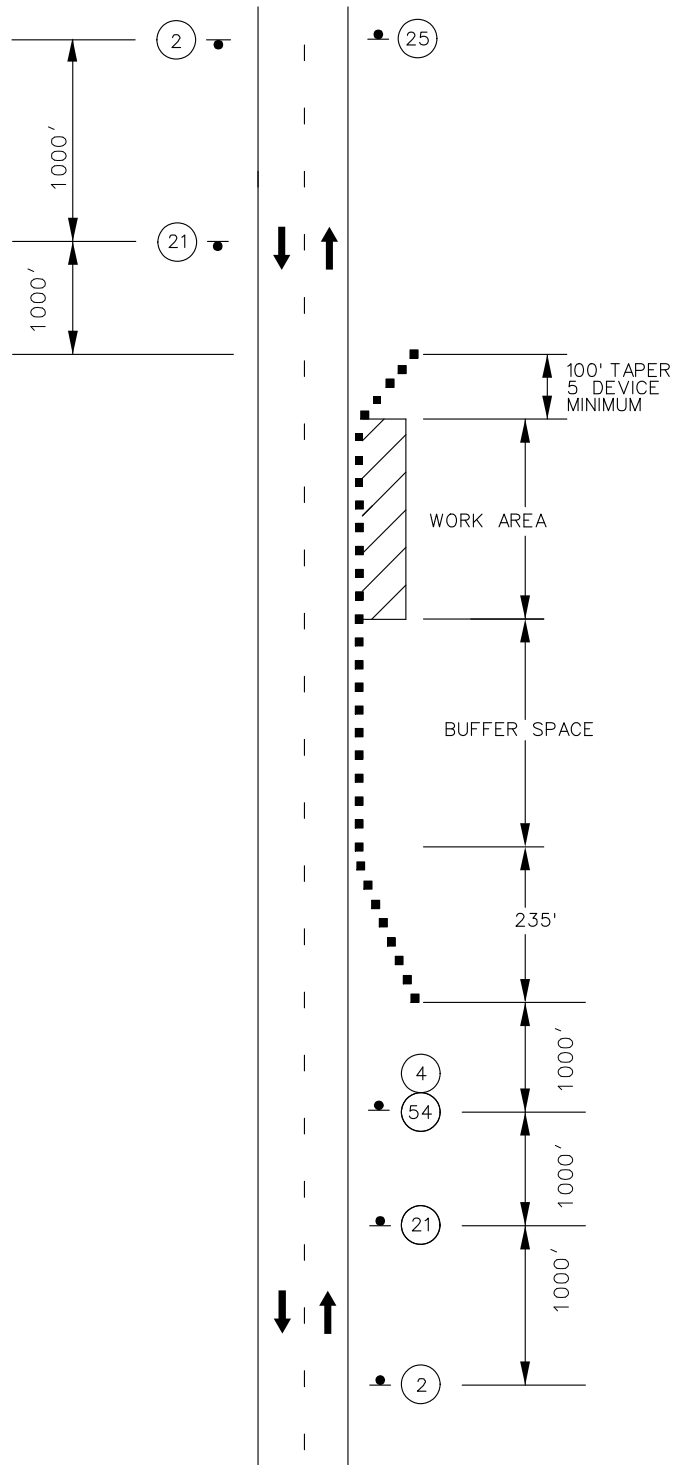
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



WORK BEYOND SHOULDER

NOTES:

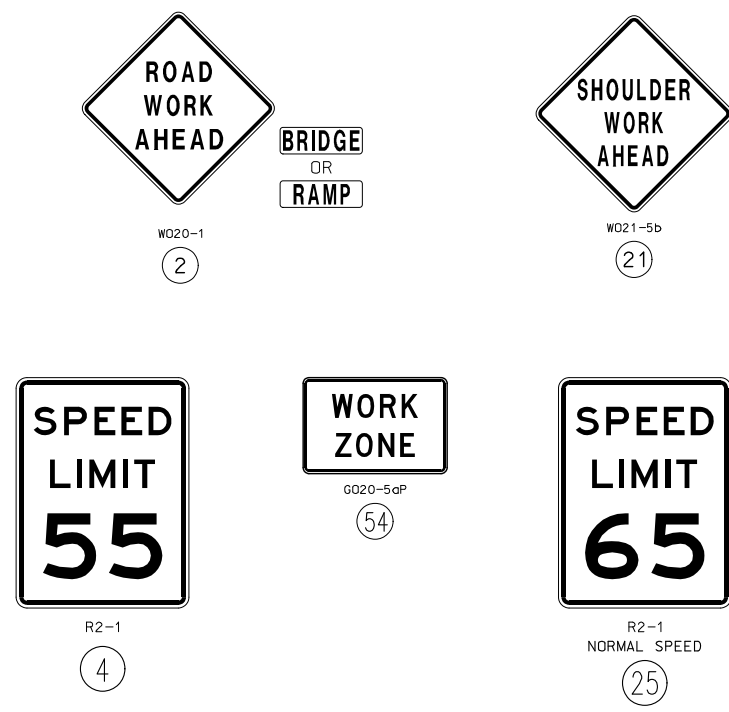
- ONLY APPLICABLE WHEN WORK IS WITHIN THE CLEAR ZONE.
- SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
- SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.
- ON MULTI-LANE, DIVIDED HIGHWAYS SIGNS ADVISING OF SHOULDER WORK OR THE CONDITION OF THE SHOULDER SHOULD BE PLACED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
- VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.



SHOULDER WORK WITH NO TRAVELWAY ENCROACHMENT

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.
- SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.
- PROVIDE SIGNS ON LEFT AND RIGHT SIDE OF DIVIDED HIGHWAYS.
- VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
- WHEN PAVED SHOULDERS HAVING A WIDTH OF 8 FEET OR MORE ARE CLOSED, AT LEAST ONE ADVANCE WARNING SIGN SHALL BE USED. IN ADDITION, CHANNELIZING DEVICES SHALL BE USED TO CLOSE THE SHOULDER IN ADVANCE TO DELINEATE THE BEGINNING OF THE WORK SPACE AND DIRECT VEHICULAR TRAFFIC TO REMAIN WITHIN THE TRAVELED WAY.

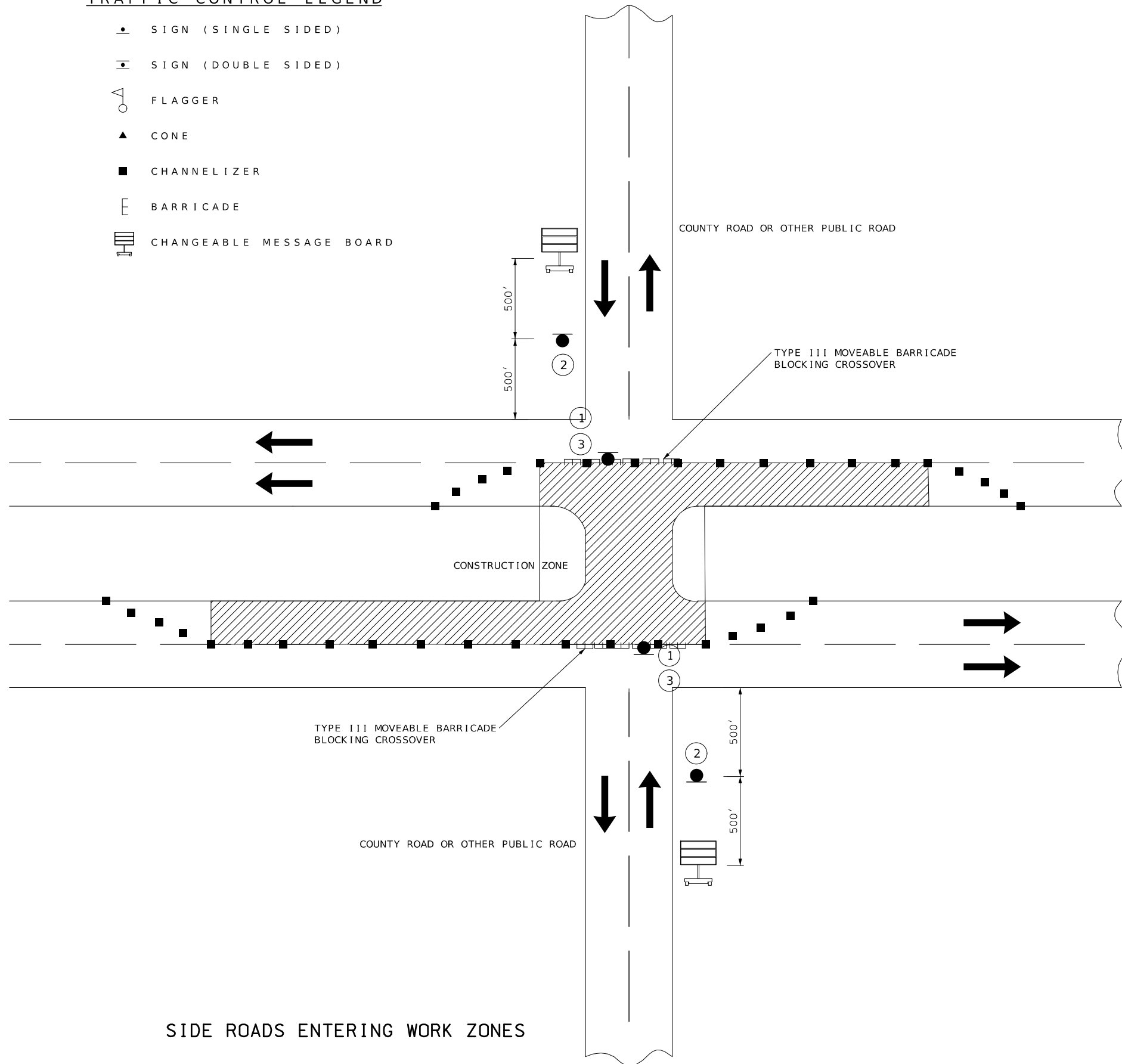


SHOULDER WORK
TEMPORARY
TRAFFIC CONTROL
SHEET 4 OF 8

STATE OF MISSOURI JACLYN A. WHITE NUMBER PE-2003001116 PROFESSIONAL ENGINEER Jacquelyn A. White 12/31/2024 4:59:21 PM JACLYN A. WHITE - CIVIL MO-PE-2003001116 DATE PREPARED 12/31/2024	
ROUTE	STATE
50	MO
DISTRICT	SHEET NO.
KC	42
COUNTY	
JOHNSON	
JOB NO.	
JKR0134	
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)	

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◼ SIGN (DOUBLE SIDED)
- FLAGGER
- ▲ CONE
- CHANNELIZER
- ⌌ BARRICADE
- ▨ CHANGEABLE MESSAGE BOARD



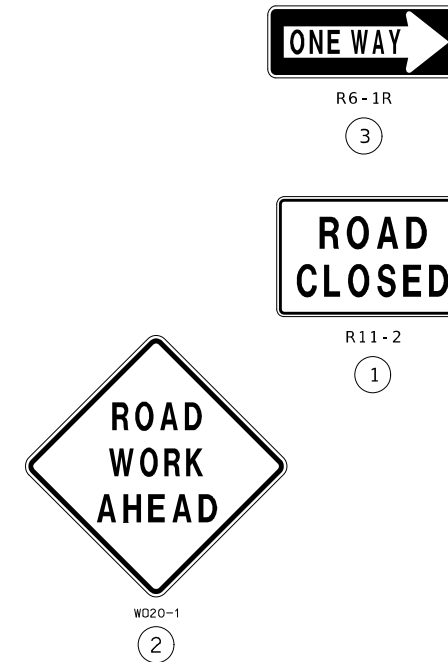
SPEED	SIGN SPACING (FT.)	
	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)
PERMANENT POSTED (MPH)		
0-35	200	200
40-45	350	500
50-55	500	1000
60-70	1000	(SA)-1000 (SB)-1500 (SC)-2640

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

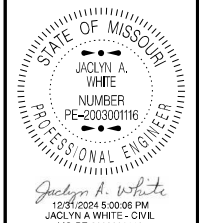
NOTES:
WARNING SIGNS SHALL BE ERECTED AT EACH INTERSECTION WITH ANOTHER STATE HIGHWAY WITHIN THE WORK ZONE.

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS WITHIN THE WORK ZONE, AS DIRECTED BY THE ENGINEER.

■ - CHANNELIZERS (AS SPECIFIED)



SHALL BE USED ON ALL STATE ROUTES AND MAY BE USED ON ANY NON-STATE ROUTES, AS DETERMINED BY THE ENGINEER.



Jaclyn A. White
12/31/2024 5:00:06 PM
JACLYN A. WHITE - CIVIL
MO-PE-200300116

DATE PREPARED
12/31/2024

ROUTE STATE
50 MO

DISTRICT SHEET NO.
KC 43

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

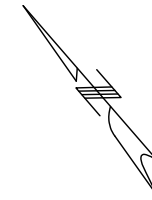
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SIDE ROADS ENTERING WORK ZONES

TRAFFIC CONTROL
SHEET 5 OF 8

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◻ SIGN (DOUBLE SIDED)
- △ FLAGGER
- ▲ CONE
- CHANNELIZER
- E BARRICADE
- ▨ CHANGEABLE MESSAGE BOARD



PROPOSED SHOULDER



REMOVAL



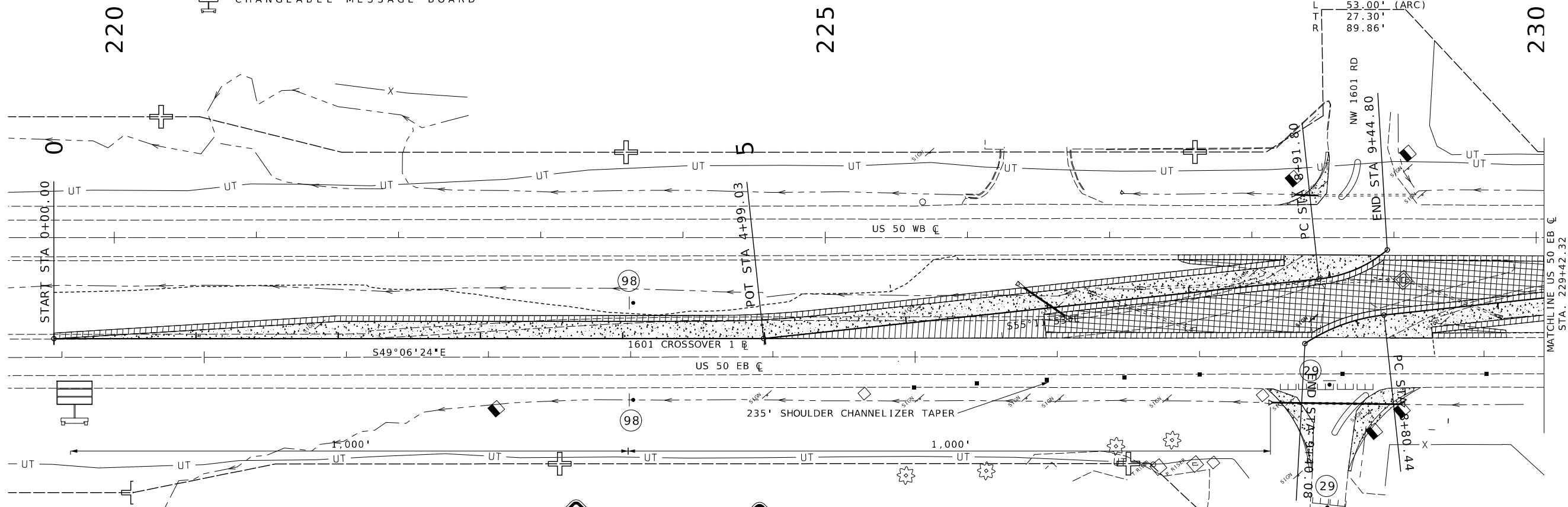
PROPOSED FULL DEPTH PAVEMENT



1601 CROSSOVER 1 R
 PI 9+19.10
 PC 8+91.80
 PT 9+44.80
 Δ 33°47'50.5" (LT)
 D 63°45'48.9"
 L 53.00' (ARC)
 T 27.30'
 R 89.86'

NW 1601 RD
 END STA 9+44.80
 PC STA 8+91.80

1601 CROSSOVER 2 R
 PI 9+10.84
 PC 8+80.44
 PT 9+40.08
 Δ 27°17'43.5" (LT)
 D 45°45'44.8"
 L 59.65' (ARC)
 T 30.40'
 R 125.20'



220



R11-2
 (29)



W020-3
 (20B)



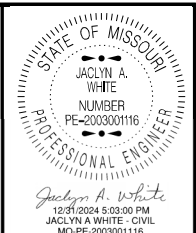
W020-3
 (20A)

225



R3-1
 (98)

230



DATE PREPARED 12/31/2024	
ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 44
COUNTY JOHNSON	
JOB NO. JKR0134	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	




DATE	DESCRIPTION

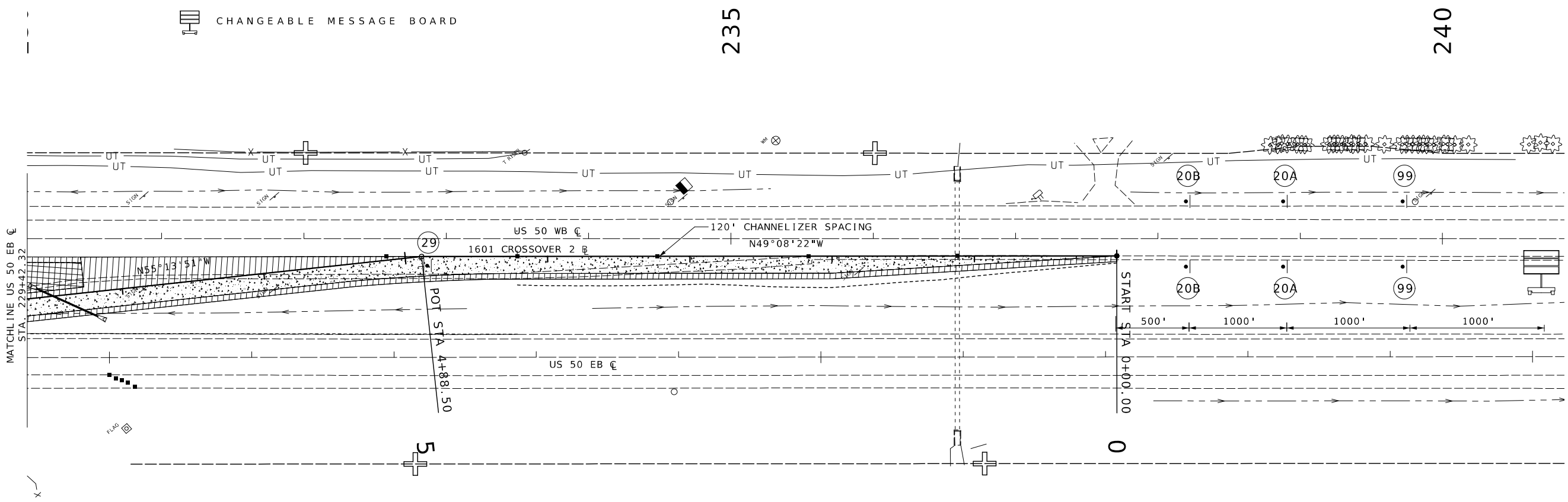
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

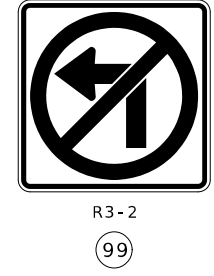
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◼ SIGN (DOUBLE SIDED)
- FLAGGER
- ▲ CONE
- CHANNELIZER
- ⌈ BARRICADE
- ▩ CHANGEABLE MESSAGE BOARD

- PROPOSED SHOULDER 
- PROPOSED FULL DEPTH PAVEMENT 
- REMOVAL 



230

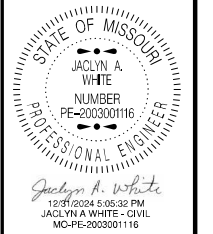


235



240


SOUTH NW 1601 RD CLOSURE SHEET 2 OF 2 TRAFFIC CONTROL SHEET 7 OF 8 NOT TO SCALE



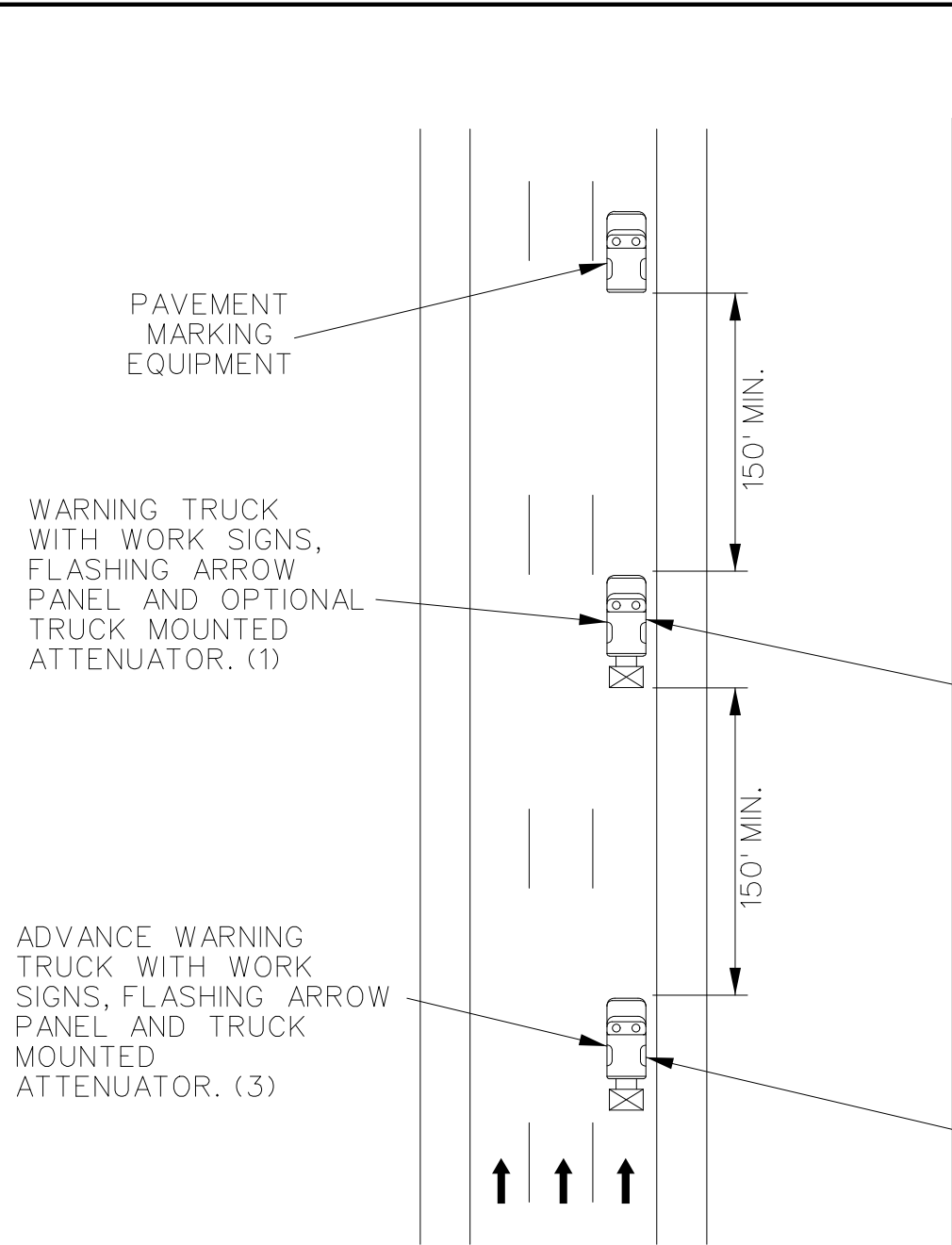
DATE PREPARED		12/31/2024	
ROUTE	STATE	50	MO
DISTRICT	SHEET NO.	KC	45
COUNTY			
JOHNSON			
JOB NO.			
JKR0134			
CONTRACT ID.			
PROJECT NO.			
BRIDGE NO.			

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

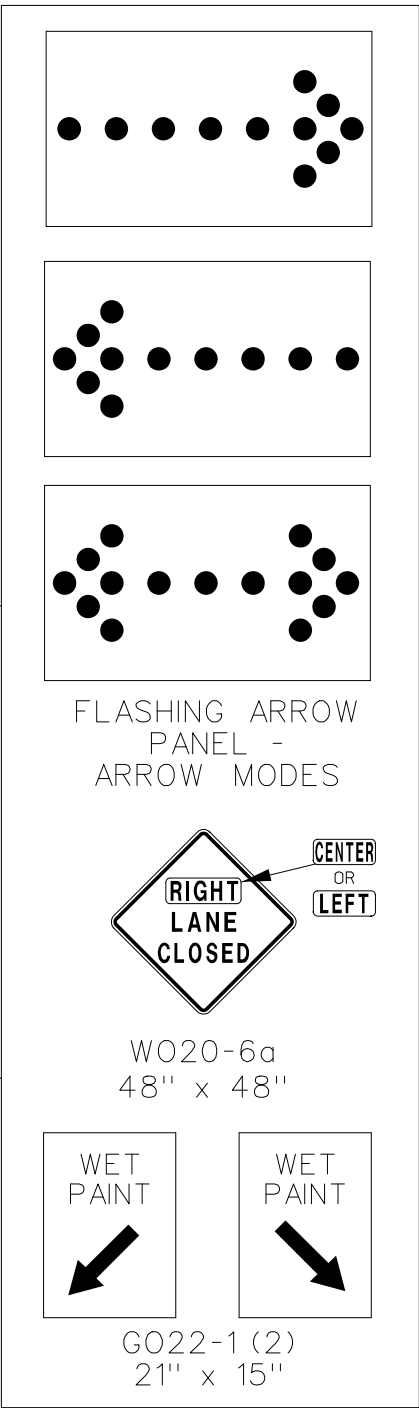


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



MULTI-LANE DIVIDED HIGHWAY

MOVING OPERATION ON HIGHWAY
OPEN TO TRAFFIC



TA-17A

NOTES:

THE USE OF TRUCK MOUNTED ATTENUATORS IS OPTIONAL FOR THIS PROJECT.

ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS.

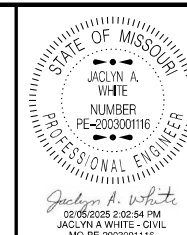
VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH -INTENSITY ROTATING FLASHING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1). TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.

(2). WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION. A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(3). ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.

MOVING OPERATION
OPEN TO TRAFFIC
TEMPORARY
TRAFFIC CONTROL
SHEET 8 OF 8



DATE PREPARED
2/5/2025
ROUTE
50
STATE
MO
DISTRICT
KC
SHEET NO.
46

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

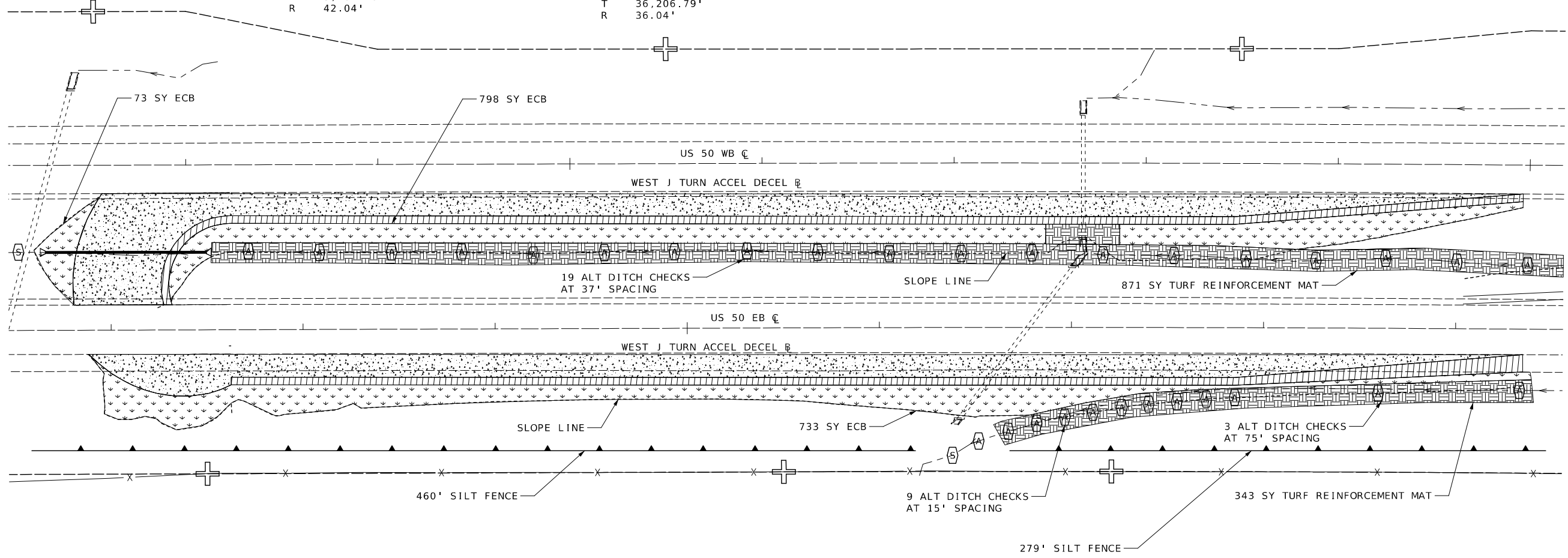
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY EROSION CONTROL LEGEND

- ALTERNATE DITCH CHECK
- CURB INLET CHECK
- ROCK DITCH CHECK
- SEDIMENT TRAP
- ENERGY DISSIPATOR
- TEMPORARY BERM TYPE B
- TEMPORARY BERM TYPE C
- SILT FENCE
- TEMPORARY SEDIMENT BASIN
- PERMANENT SEDIMENT BASIN
- SHOULDER
- FULL DEPTH PAVEMENT
- TYPE 3 TURF REINFORCEMENT MAT
- TYPE 3B EROSION CONTROL BLANKET

WEST J TURN ACCEL DECEL R
 PI 57+77.59
 PC 6+73.43
 PT 8+06.21
 Δ 180°56'38.0" (RT)
 D 136°16'34.6"
 L 132.78' (ARC)
 T 5,104.16'
 R 42.04'

J TURN CURVE R
 PI 362+06.79
 PC 0+00.00
 PT 1+13.16
 Δ 179°53'9.3" (RT)
 D 158°57'59.5"
 L 113.16' (ARC)
 T 36,206.79'
 R 36.04'

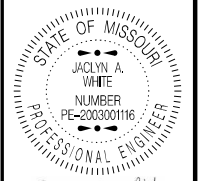
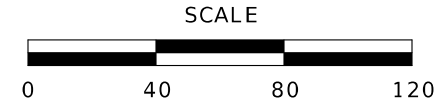


195

200

195

EROSION CONTROL SHEET
1 OF 7



DATE PREPARED
12/31/2024

ROUTE 50 STATE MO
 DISTRICT KC SHEET NO. 47

COUNTY JOHNSON
 JOB NO. JKR0134
 CONTRACT ID.






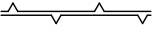
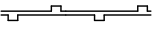
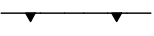
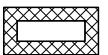

PROJECT NO.
 BRIDGE NO.





DATE	DESCRIPTION

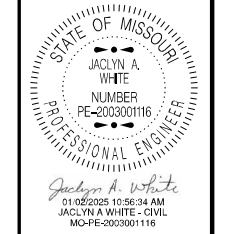
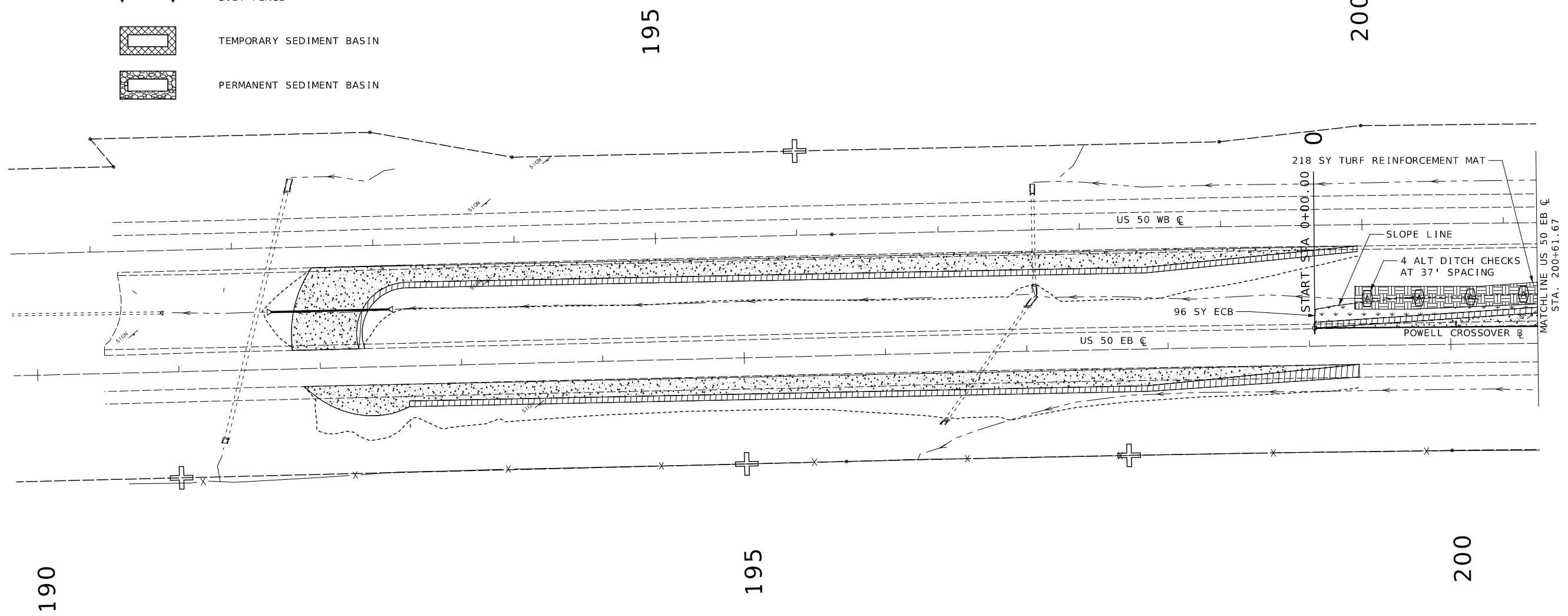
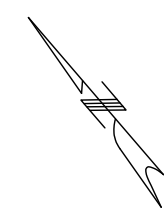
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  CURB INLET CHECK
-  ROCK DITCH CHECK
-  SEDIMENT TRAP
-  ENERGY DISSIPATOR
-  TEMPORARY BERM TYPE B
-  TEMPORARY BERM TYPE C
-  SILT FENCE
-  TEMPORARY SEDIMENT BASIN
-  PERMANENT SEDIMENT BASIN

-  SHOULDER
-  FULL DEPTH PAVEMENT
-  TYPE 3 TURF REINFORCEMENT MAT
-  TYPE 3B EROSION CONTROL BLANKET



DATE PREPARED	
12/31/2024	
ROUTE	STATE
50	MO
DISTRICT	SHEET NO.
KC	48
COUNTY	
JOHNSON	
JOB NO.	
JKR0134	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

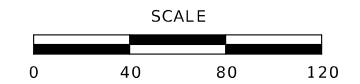
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION









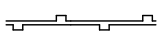
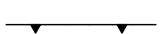


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

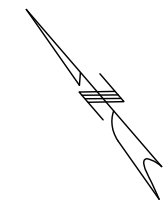
POWELL CROSSOVER EC
SHEET 1 OF 2





EROSION CONTROL SHEET
2 OF 7



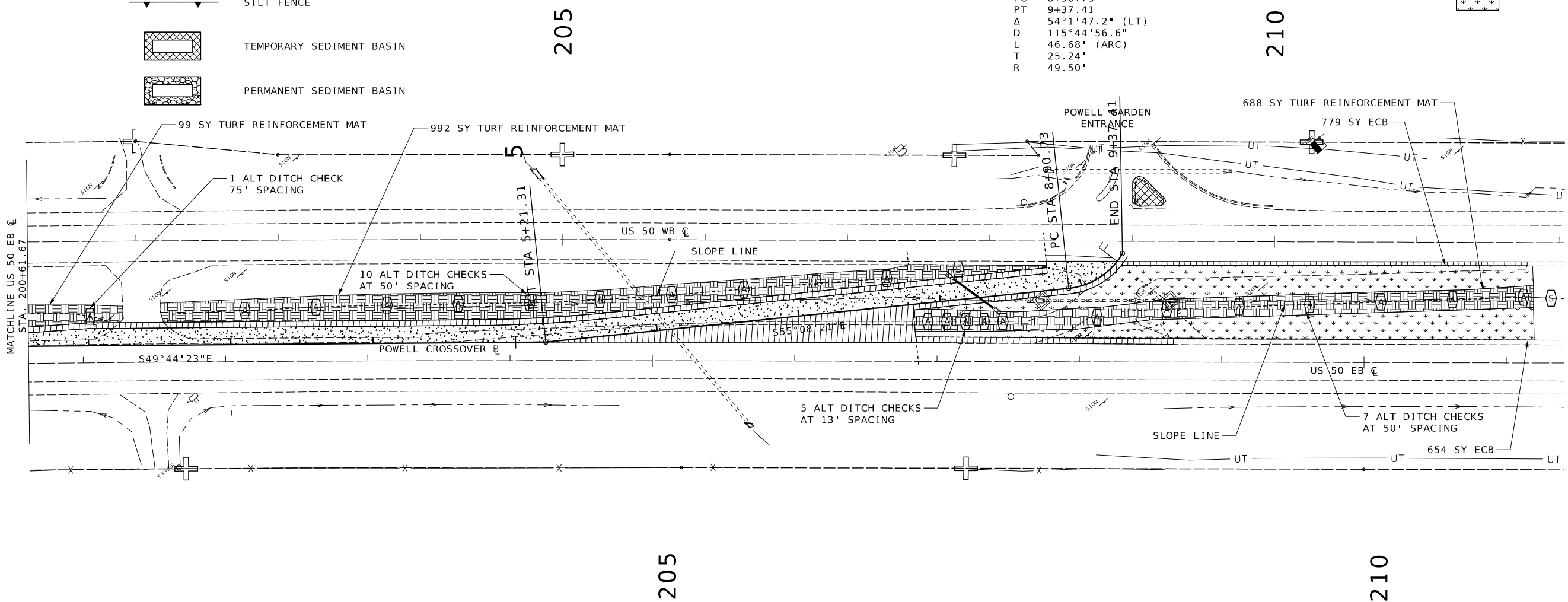
TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  CURB INLET CHECK
-  ROCK DITCH CHECK
-  SEDIMENT TRAP
-  ENERGY DISSIPATOR
-  TEMPORARY BERM TYPE B
-  TEMPORARY BERM TYPE C
-  SILT FENCE
-  TEMPORARY SEDIMENT BASIN
-  PERMANENT SEDIMENT BASIN



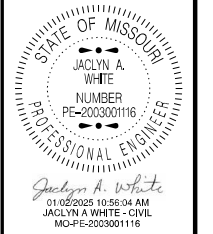
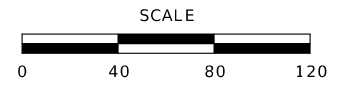
-  SHOULDER
-  FULL DEPTH PAVEMENT
-  TYPE 3 TURF REINFORCEMENT MAT
-  TYPE 3B EROSION CONTROL BLANKET

POWELL CROSSOVER EC
 PI 9+15.97
 PC 8+90.73
 PT 9+37.41
 Δ 54°1'47.2" (LT)
 D 115°44'56.6"
 L 46.68' (ARC)
 T 25.24'
 R 49.50'



MATCHLINE US 50 EB CL
 STA. 200+61.67


POWELL CROSSOVER EC
 SHEET 2 OF 2
 EROSION CONTROL SHEET
 3 OF 7



DATE PREPARED
 12/31/2024
 ROUTE 50 STATE MO
 DISTRICT KC SHEET NO. 49
 COUNTY JOHNSON
 JOB NO. JKR0134
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.







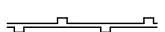



DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

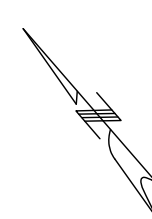


105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  CURB INLET CHECK
-  ROCK DITCH CHECK
-  SEDIMENT TRAP
-  ENERGY DISSIPATOR
-  TEMPORARY BERM TYPE B
-  TEMPORARY BERM TYPE C
-  SILT FENCE
-  TEMPORARY SEDIMENT BASIN
-  PERMANENT SEDIMENT BASIN

TYPE 3B EROSION CONTROL BLANKET



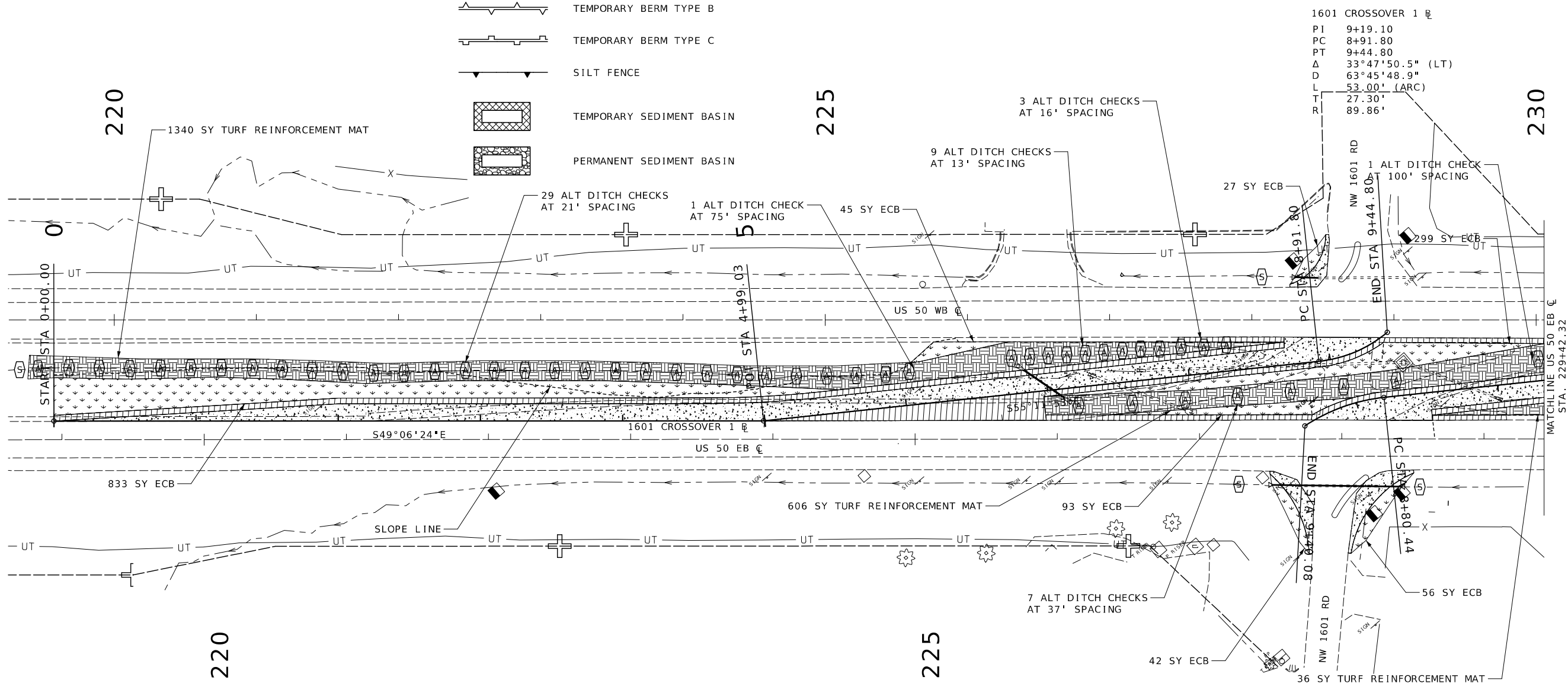
SHOULDER



FULL DEPTH PAVEMENT

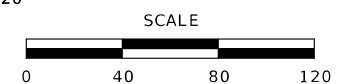


TYPE 3 TURF REINFORCEMENT MAT



1601 CROSSOVER 1 R
 PI 9+19.10
 PC 8+91.80
 PT 9+44.80
 Δ 33°47'50.5" (LT)
 D 63°45'48.9"
 L 53.00' (ARC)
 T 27.30'
 R 89.86'

1601 CROSSOVER 2 R
 PI 9+10.84
 PC 8+80.44
 PT 9+40.08
 Δ 27°17'43.5" (LT)
 D 45°45'44.8"
 L 59.65' (ARC)
 T 30.40'
 R 125.20'



STATE OF MISSOURI
 JACLYN A. WHITE
 NUMBER PE-2003001116
 PROFESSIONAL ENGINEER
 01/08/2025 10:58:31 AM
 JACLYN A. WHITE - CIVIL
 MO-PE-2003001116

DATE PREPARED: 12/31/2024

ROUTE	STATE
50	MO
DISTRICT	SHEET NO.
KC	50

COUNTY: JOHNSON
 JOB NO.: JKR0134
 CONTRACT ID.




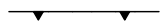


PROJECT NO.
 BRIDGE NO.





DATE	DESCRIPTION

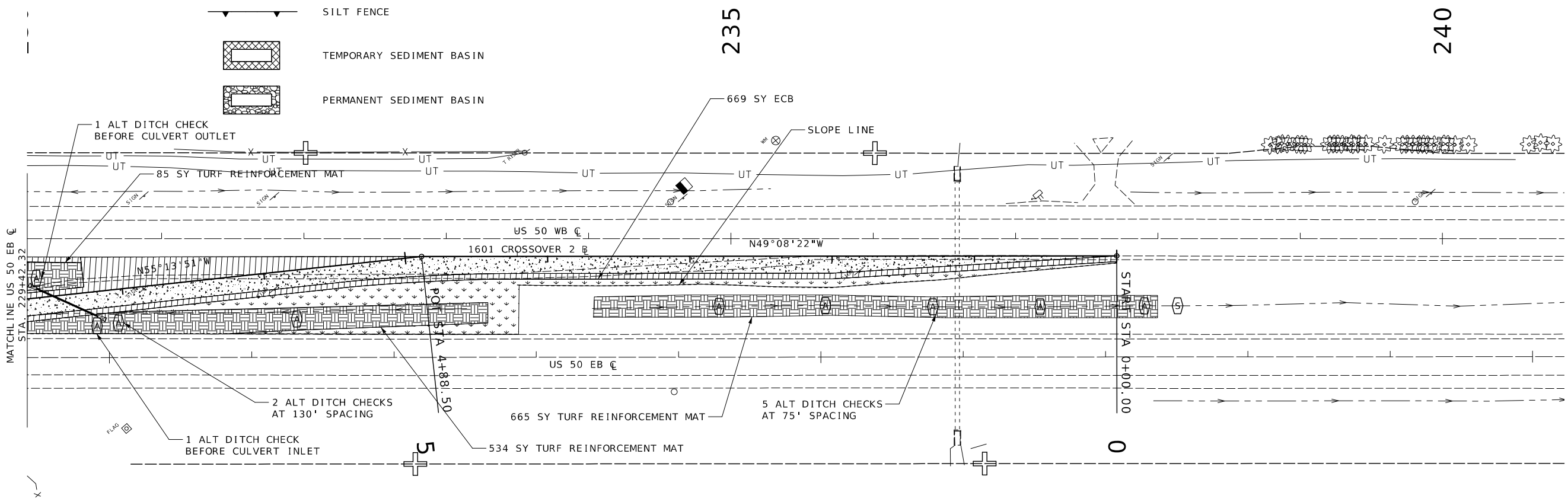
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TEMPORARY EROSION CONTROL LEGEND

- (A) ALTERNATE DITCH CHECK
- (C) CURB INLET CHECK
- (R) ROCK DITCH CHECK
- (S) SEDIMENT TRAP
-  ENERGY DISSIPATOR
-  TEMPORARY BERM TYPE B
-  TEMPORARY BERM TYPE C
-  SILT FENCE
-  TEMPORARY SEDIMENT BASIN
-  PERMANENT SEDIMENT BASIN

- SHOULDER 
- FULL DEPTH PAVEMENT 
- TYPE 3 TURF REINFORCEMENT MAT 
- TYPE 3B EROSION CONTROL BLANKET 



MATCHLINE US 50 EB C
STA 229+42.32

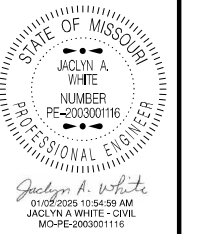
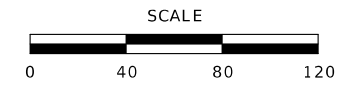
START STA 0+00.00

230

235

240

EROSION CONTROL SHEET
5 OF 7




DATE PREPARED: 12/31/2024

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 51

COUNTY: JOHNSON
JOB NO.: JKR0134
CONTRACT ID.:
PROJECT NO.:
BRIDGE NO.:










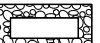
DATE	DESCRIPTION





MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



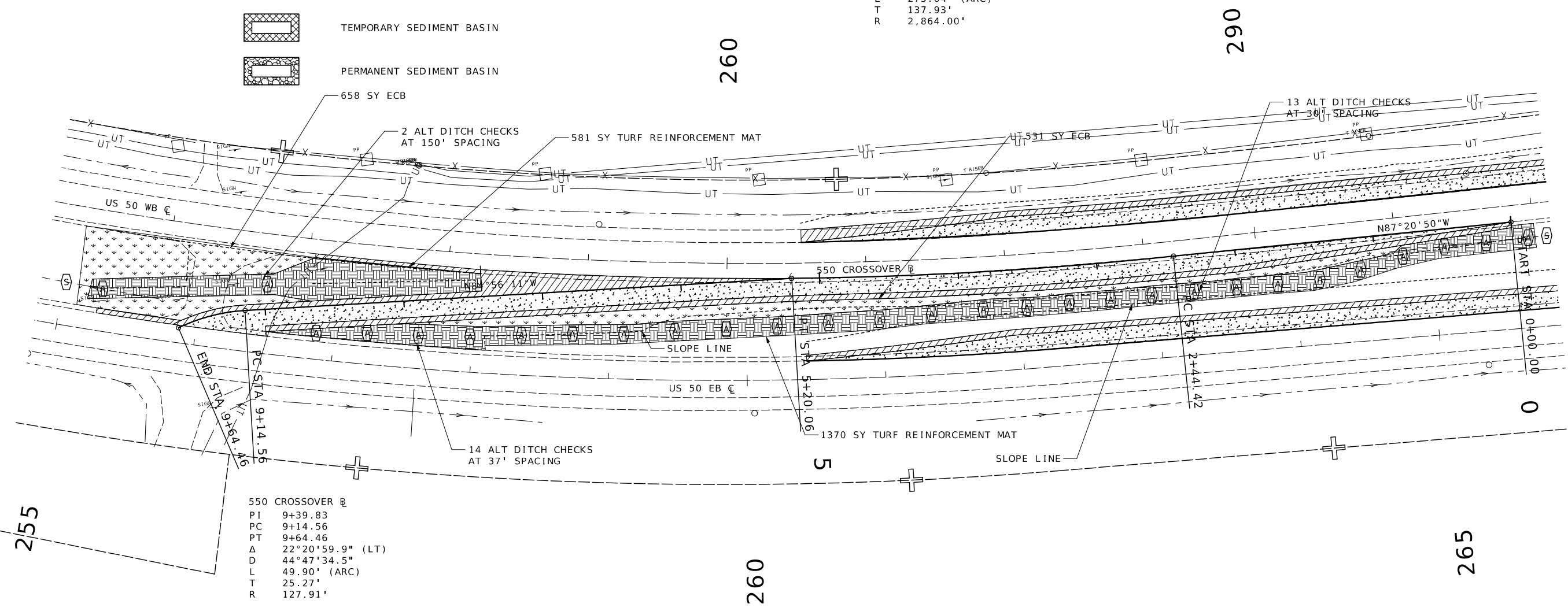
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY EROSION CONTROL LEGEND

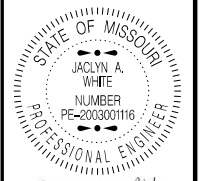
-  ALTERNATE DITCH CHECK
-  CURB INLET CHECK
-  ROCK DITCH CHECK
-  SEDIMENT TRAP
-  ENERGY DISSIPATOR
-  TEMPORARY BERM TYPE B
-  TEMPORARY BERM TYPE C
-  SILT FENCE
-  TEMPORARY SEDIMENT BASIN
-  PERMANENT SEDIMENT BASIN

-  SHOULDER
-  FULL DEPTH PAVEMENT
-  TYPE 3 TURF REINFORCEMENT MAT
-  TYPE 3B EROSION CONTROL BLANKET

550 CROSSOVER @
 PI 3+82.34
 PC 2+44.42
 PT 5+20.06
 Δ 5°30'51.4" (RT)
 D 2°0'2.0"
 L 275.64' (ARC)
 T 137.93'
 R 2,864.00'



550 CROSSOVER @
 PI 9+39.83
 PC 9+14.56
 PT 9+64.46
 Δ 22°20'59.9" (LT)
 D 44°47'34.5"
 L 49.90' (ARC)
 T 25.27'
 R 127.91'



DATE PREPARED
 12/31/2024

ROUTE 50 STATE MO
 DISTRICT KC SHEET NO. 52

COUNTY JOHNSON
 JOB NO. JKR0134
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.






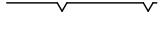


DATE	DESCRIPTION



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION





MoDOT

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

TEMPORARY EROSION CONTROL LEGEND

-  ALTERNATE DITCH CHECK
-  CURB INLET CHECK
-  ROCK DITCH CHECK
-  SEDIMENT TRAP
-  ENERGY DISSIPATOR
-  TEMPORARY BERM TYPE B
-  TEMPORARY BERM TYPE C
-  SILT FENCE

-  TEMPORARY SEDIMENT BASIN
-  PERMANENT SEDIMENT BASIN

-  FULL DEPTH PAVEMENT
-  SHOULDER
-  TYPE 3 TURF REINFORCEMENT MAT
-  TYPE 3B EROSION CONTROL BLANKET

EAST J TURN DECEL \curvearrowright

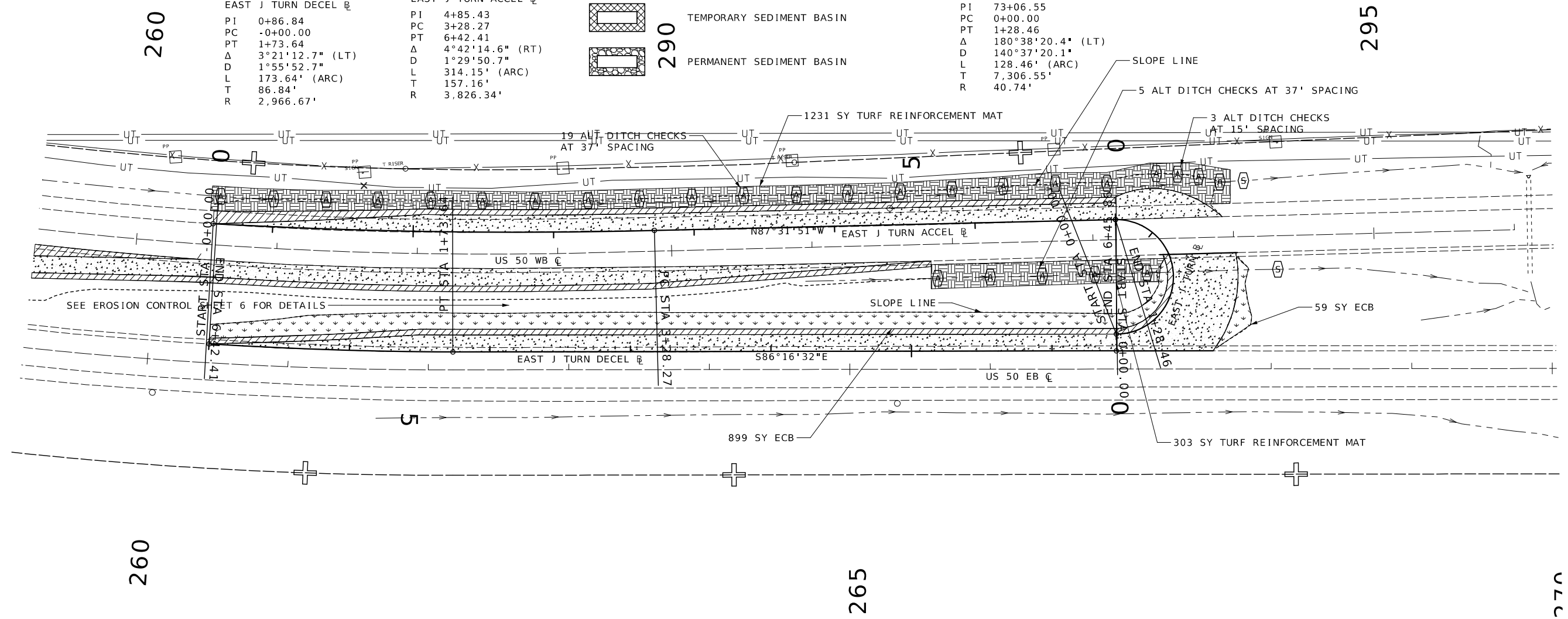
PI 0+86.84
 PC -0+00.00
 PT 1+73.64
 Δ 3°21'12.7" (LT)
 D 1°55'52.7"
 L 173.64' (ARC)
 T 86.84'
 R 2,966.67'

EAST J TURN ACCEL \curvearrowleft

PI 4+85.43
 PC 3+28.27
 PT 6+42.41
 Δ 4°42'14.6" (RT)
 D 1°29'50.7"
 L 314.15' (ARC)
 T 157.16'
 R 3,826.34'

EAST J TURN \curvearrowright

PI 73+06.55
 PC 0+00.00
 PT 1+28.46
 Δ 180°38'20.4" (LT)
 D 140°37'20.1"
 L 128.46' (ARC)
 T 7,306.55'
 R 40.74'



260

290

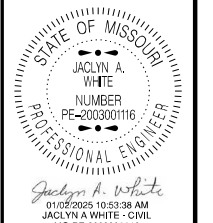
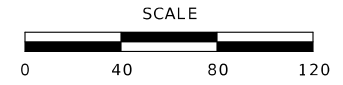
295

260

265

270


EROSION CONTROL SHEET
7 OF 7



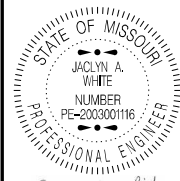
DATE PREPARED	
12/31/2024	
ROUTE	STATE
50	MO
DISTRICT	SHEET NO.
KC	53
COUNTY	
JOHNSON	
JOB NO.	
JKR0134	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



DATE PREPARED
1/4/2025

ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 54

COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.

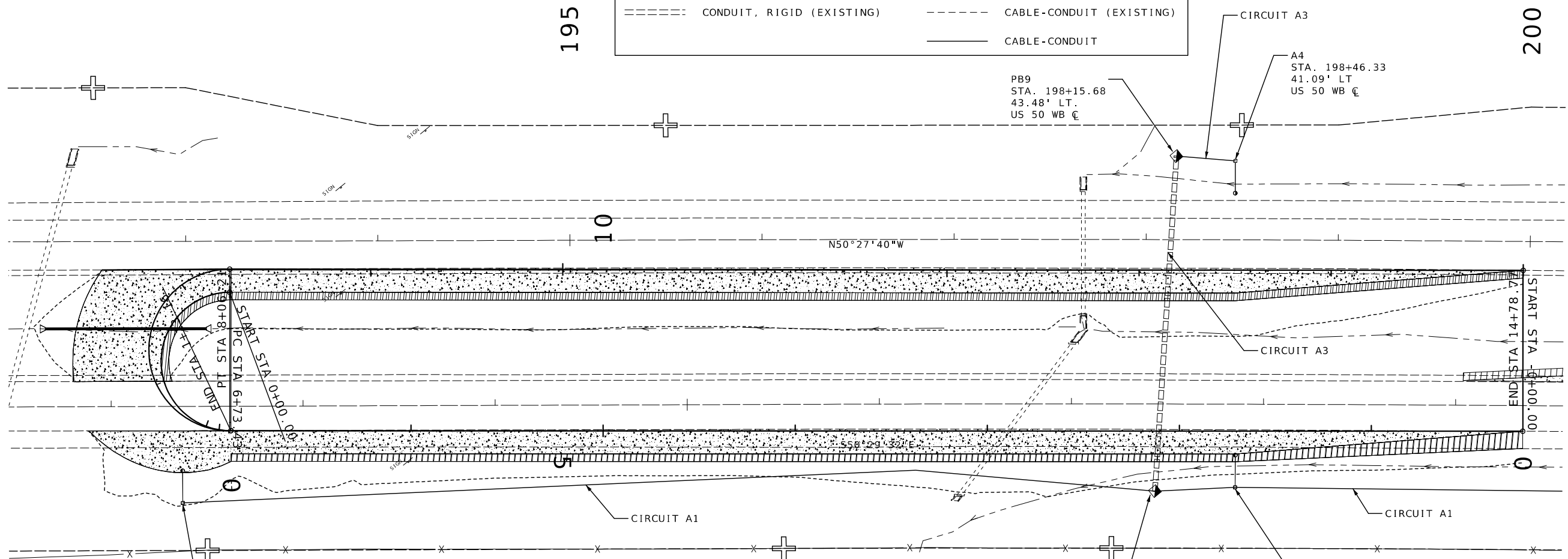
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

LIGHTING LEGEND			
	CONTROLLER, LIGHTING		LED-A LUMINAIRE
	CONTROLLER, LIGHTING (EXISTING)		LED-B LUMINAIRE
	WOOD POST		LED-C LUMINAIRE
	POWER SUPPLY		P.S. POWER SOURCE
	JUNCTION BOX		PULL BOX (EXISTING)
	PULL BOX CONCRETE TYPE 1		PULL BOX CONCRETE TYPE 2
	PULL BOX PREFORMED TYPE 1		PULL BOX PREFORMED TYPE 2
	CONDUIT, RIGID (TRENCH)		CONDUIT, RIGID (PUSHED)
	CONDUIT, RIGID (MEDIAN)		CONDUIT, RIGID (BRIDGE)
	CONDUIT, RIGID (EXISTING)		CABLE-CONDUIT (EXISTING)
			CABLE-CONDUIT



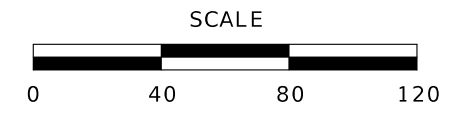
A5
STA. 192+37.16
50.27' RT
US 50 EB ☺

PB7
STA. 197+43.55
45.35' RT.
US 50 EB ☺

A3
STA. 197+85.53
43.33' RT
US 50 EB ☺

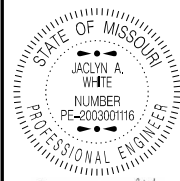
PB9
STA. 198+15.68
43.48' LT.
US 50 WB ☺

A4
STA. 198+46.33
41.09' LT
US 50 WB ☺



LIGHTING SHEET
SHEET 1 OF 5

195



Jacquyn A. White
01/05/2025 7:20:41 PM
JACLYN A WHITE - CIVIL
MO-PE-200300116

DATE PREPARED
1/4/2025

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 55

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

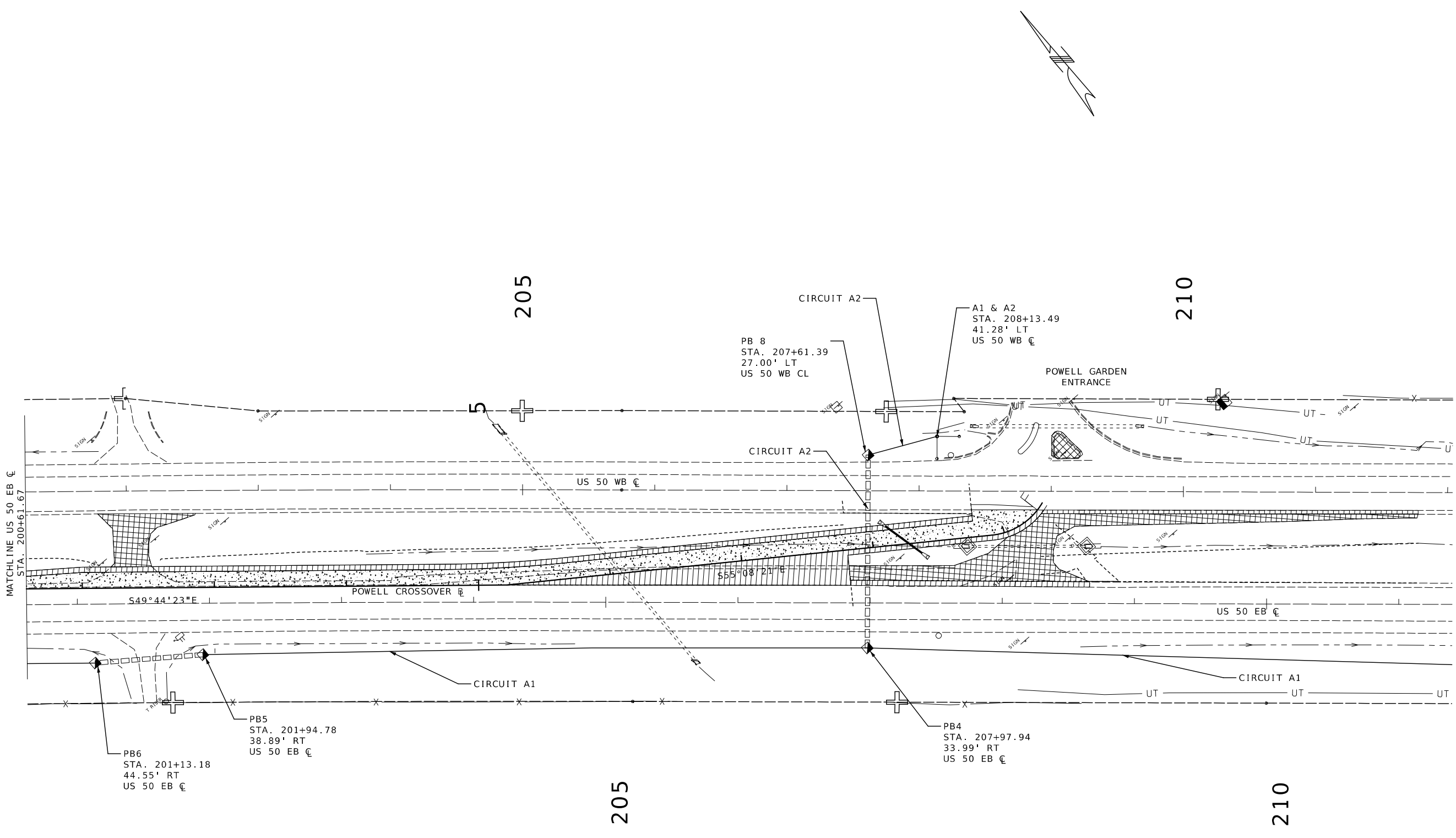
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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





Jaclyn A. White
01/05/2025 7:21:14 PM
JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
1/4/2025

ROUTE 50 STATE MO

DISTRICT KC SHEET NO. 56

COUNTY JOHNSON

JOB NO. JKR0134

CONTRACT ID.

PROJECT NO.

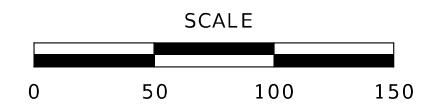
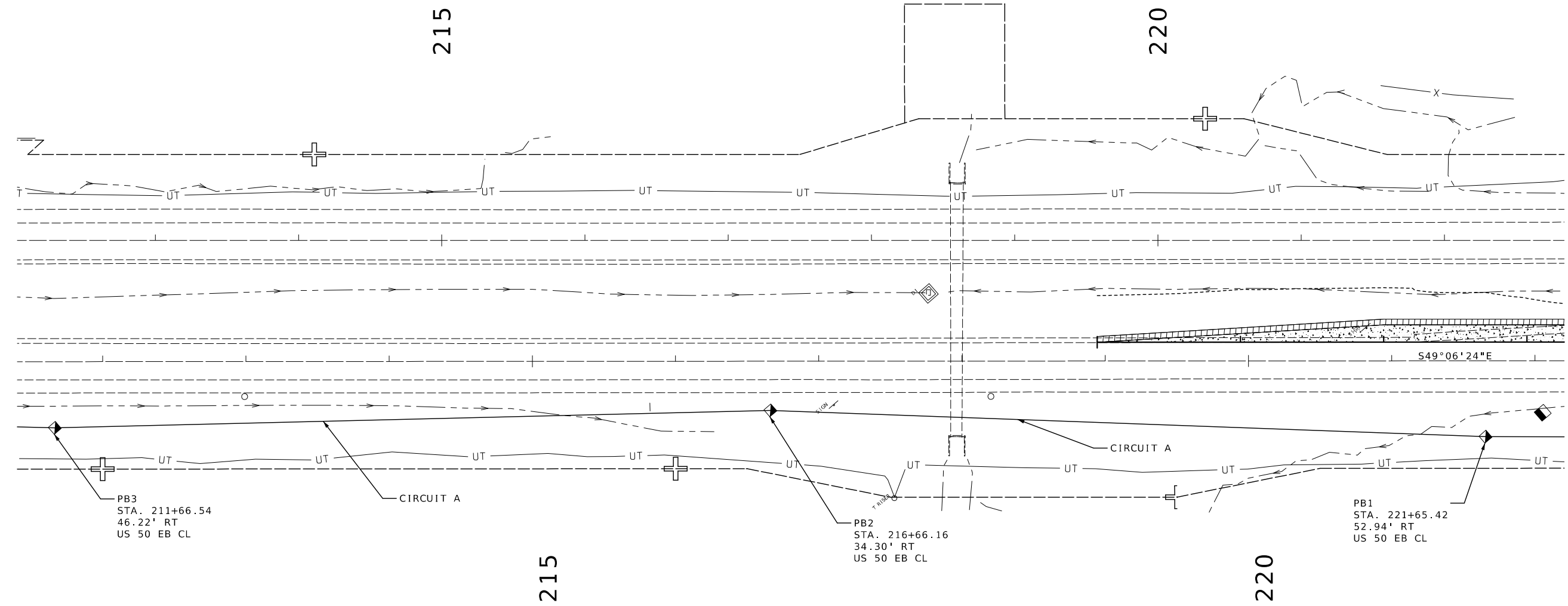
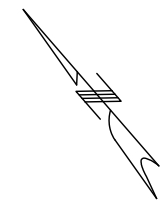
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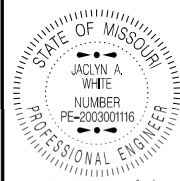
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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





DATE PREPARED
1/4/2025

ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 57

COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.

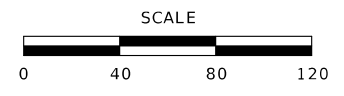
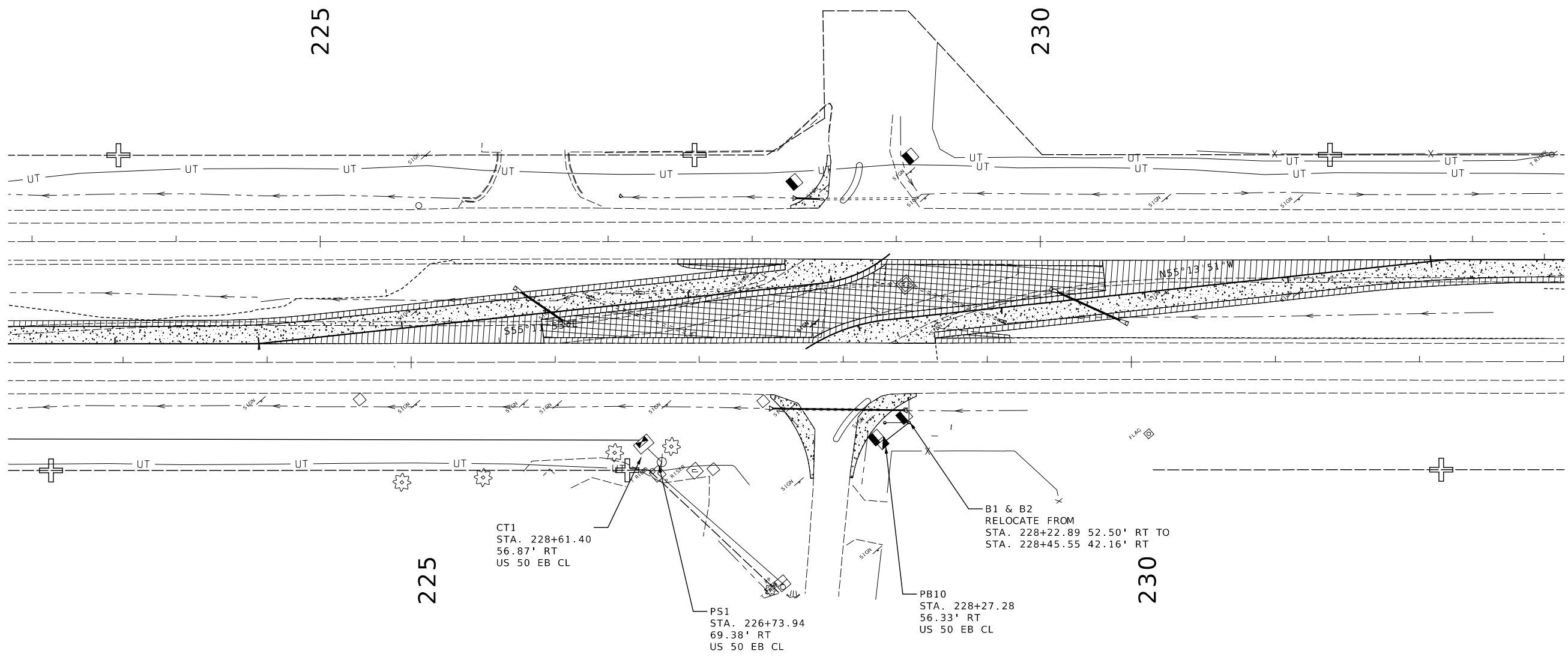
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

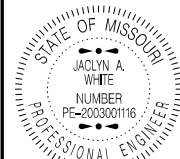
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



LIGHTING SHEET
SHEET 4 OF 5



Jaclyn A. White
 01/05/2025 7:22:17 PM
 JACLYN A WHITE - CIVIL
 MO-PE-2003001116

DATE PREPARED
 1/4/2025

ROUTE STATE
 50 MO

DISTRICT SHEET NO.
 KC 58

COUNTY
 JOHNSON

JOB NO.
 JKR0134

CONTRACT ID.

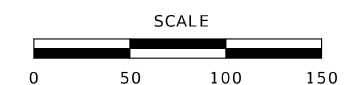
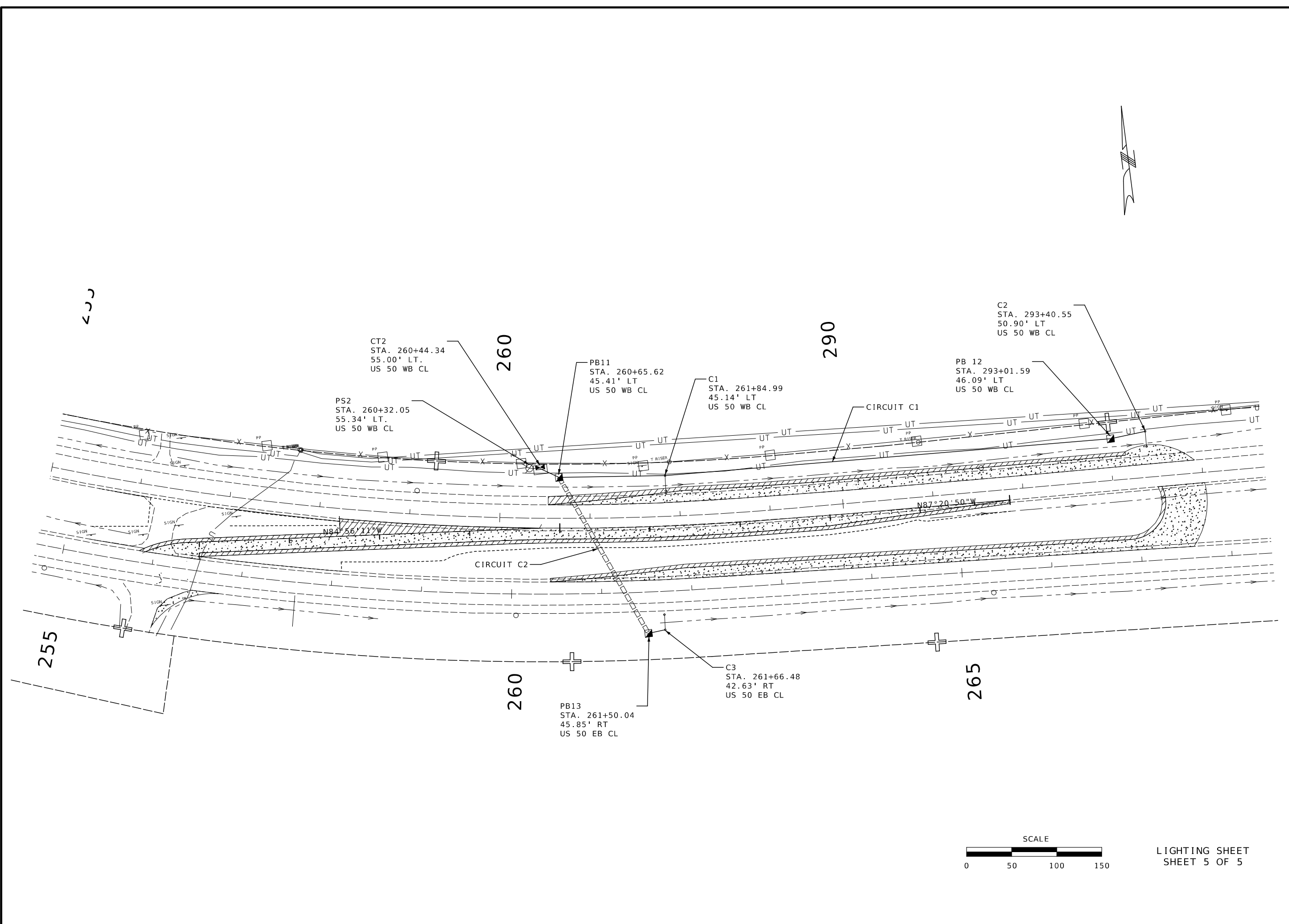
PROJECT NO.

BRIDGE NO.

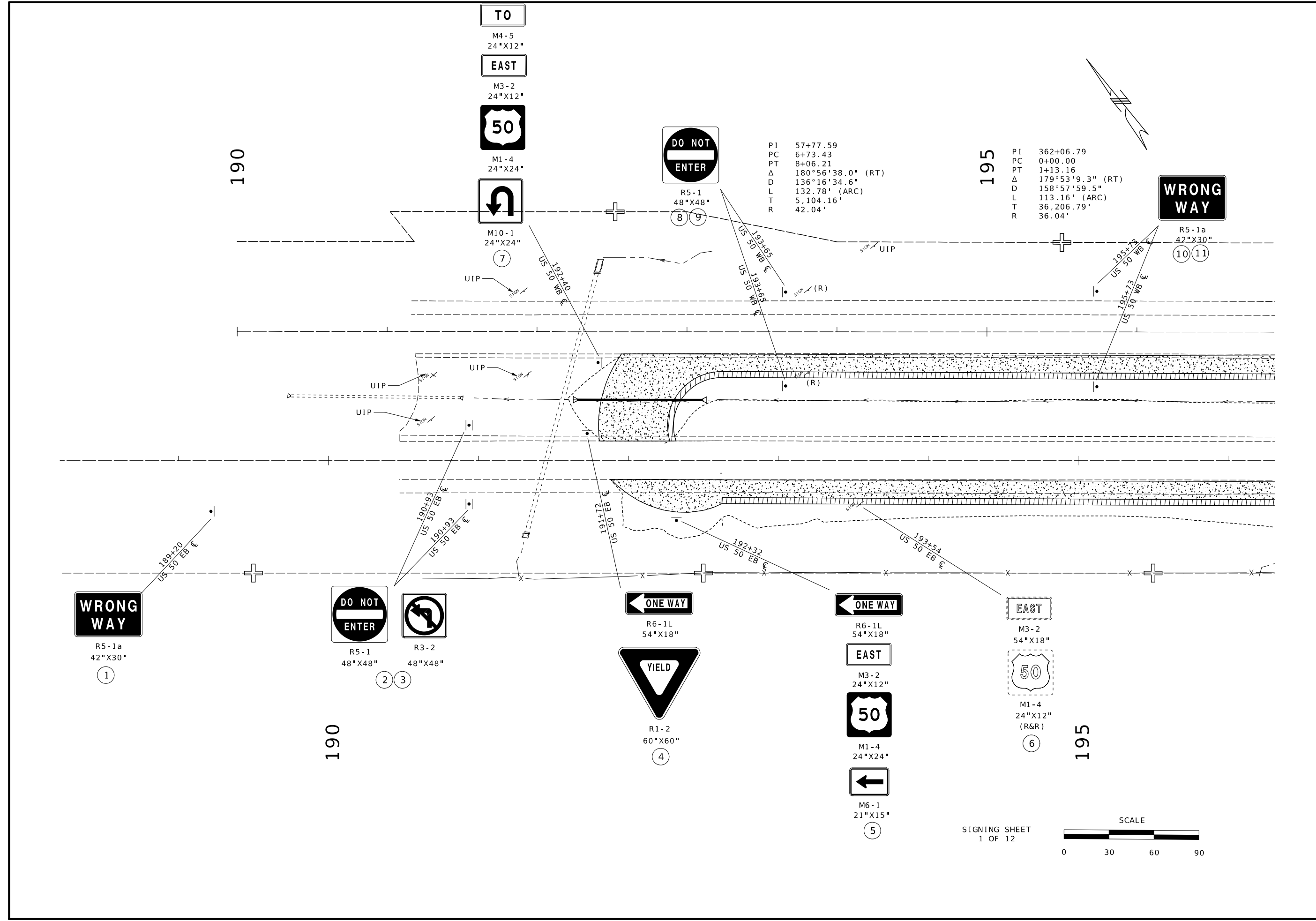
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-273-6636)



LIGHTING SHEET
 SHEET 5 OF 5



TO
M4-5
24"x12"
EAST
M3-2
24"x12"
50
M1-4
24"x24"

M10-1
24"x24"
7

DO NOT ENTER
R5-1
48"x48"
8 9

PI 57+77.59
PC 6+73.43
PT 8+06.21
Δ 180°56'38.0" (RT)
D 136°16'34.6"
L 132.78' (ARC)
T 5,104.16'
R 42.04'

195
PI 362+06.79
PC 0+00.00
PT 1+13.16
Δ 179°53'9.3" (RT)
D 158°57'59.5"
L 113.16' (ARC)
T 36,206.79'
R 36.04'

WRONG WAY
R5-1a
42"x30"
10 11

WRONG WAY
R5-1a
42"x30"
1

DO NOT ENTER
R5-1
48"x48"
2 3

R3-2
48"x48"

ONE WAY
R6-1L
54"x18"
R1-2
60"x60"
4

YIELD

ONE WAY
R6-1L
54"x18"

EAST
M3-2
24"x12"

50
M1-4
24"x24"

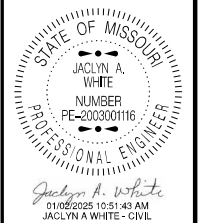
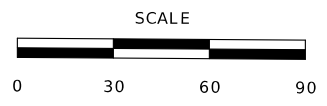
M6-1
21"x15"
5

EAST
M3-2
54"x18"

50
M1-4
24"x12"
(R&R)
6

195

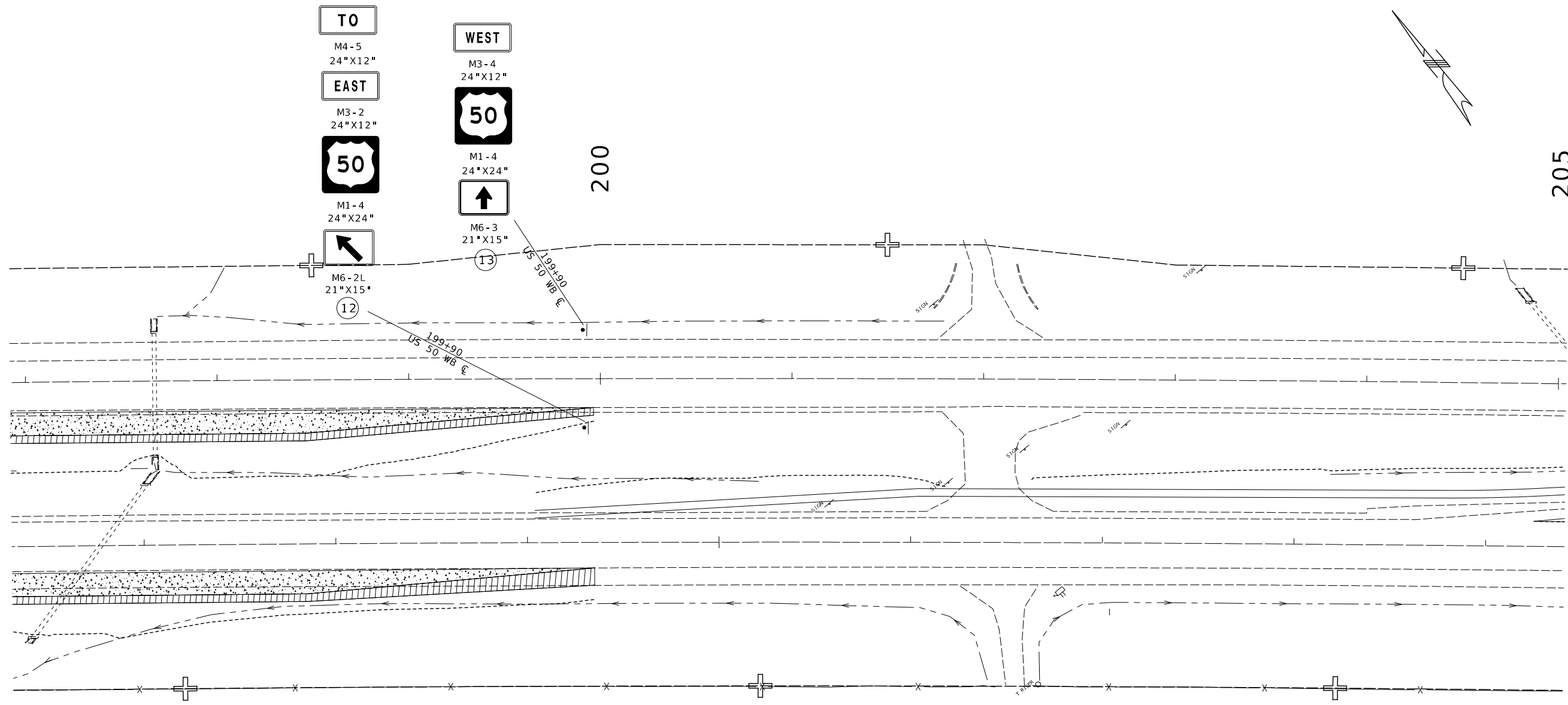
SIGNING SHEET
1 OF 12



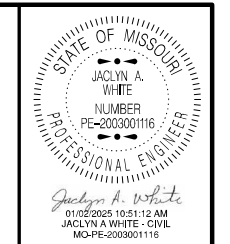
DATE PREPARED
1/2/2025
ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 59
COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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



- TO**
M4-5
24" X 12"
- EAST**
M3-2
24" X 12"
- 50**
M1-4
24" X 24"
- M6-2L**
21" X 15"
- WEST**
M3-4
24" X 12"
- 50**
M1-4
24" X 24"
- M6-3**
21" X 15"



DATE PREPARED
1/2/2025

ROUTE 50	STATE MO
DISTRICT KC	SHEET NO. 60

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

PROJECT NO.

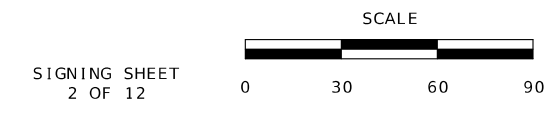
BRIDGE NO.

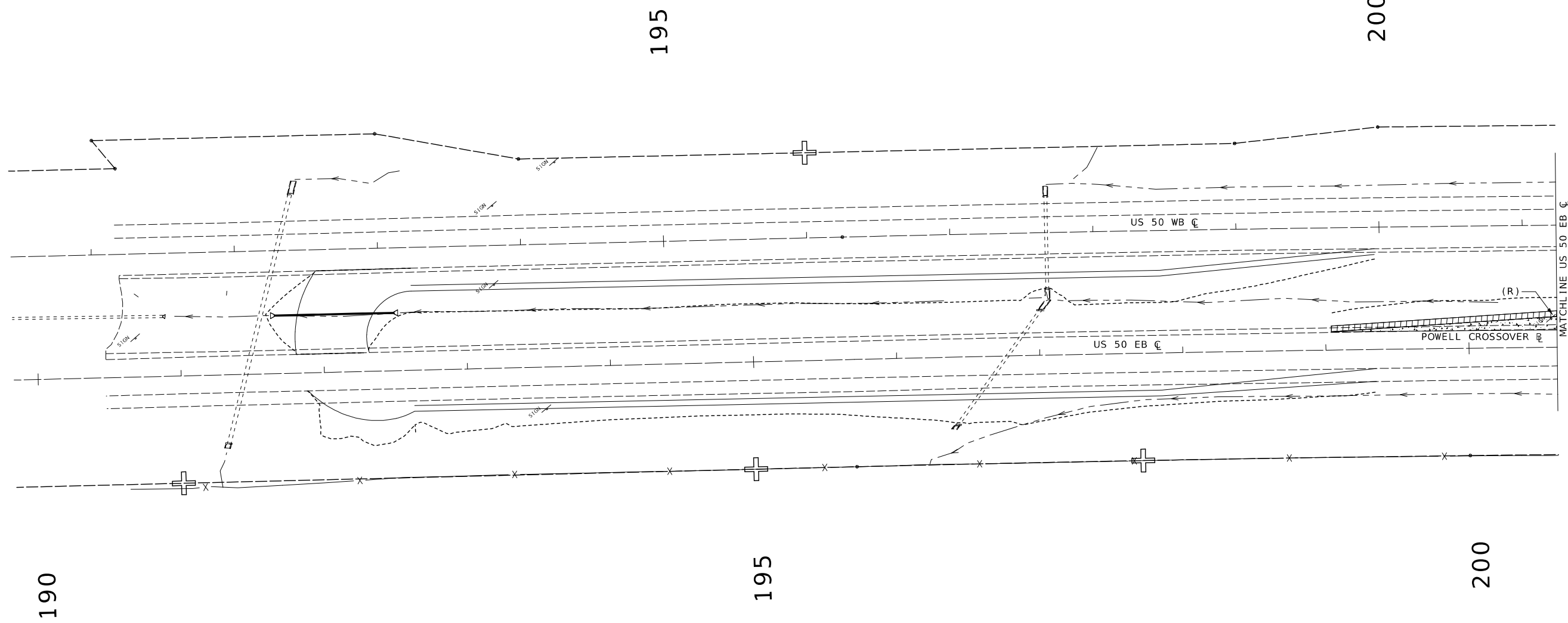
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

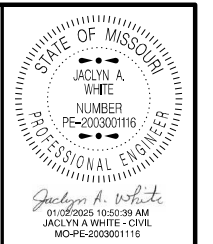
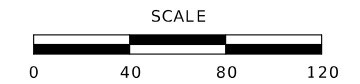
200





POWELL CROSSOVER SN
SHEET 1 OF 2

SIGNING SHEET
3 OF 12

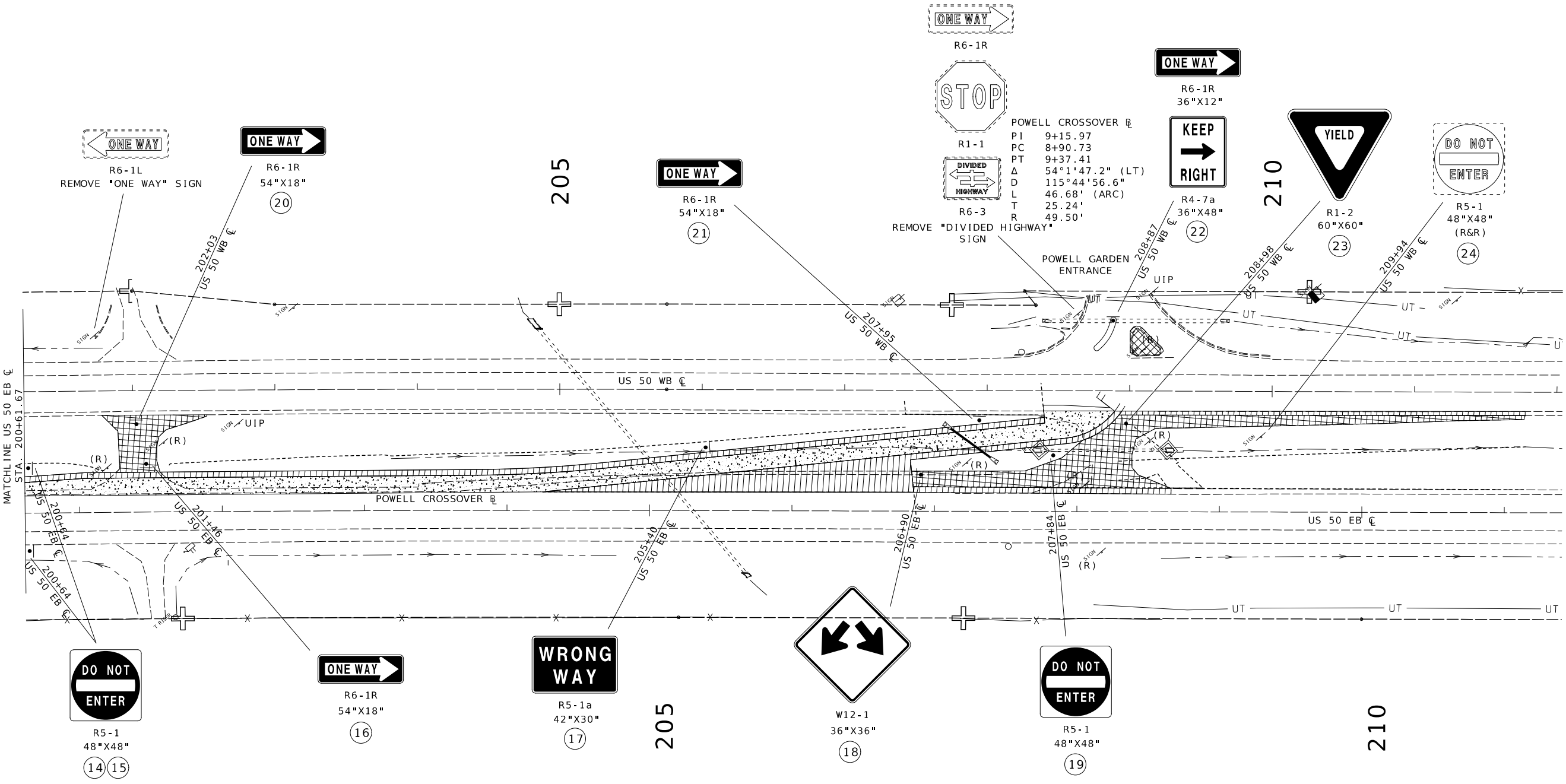


DATE PREPARED
1/2/2025
ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 61
COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

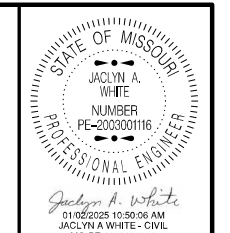
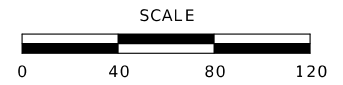




POWELL CROSSOVER
 PI 9+15.97
 PC 8+90.73
 PT 9+37.41
 Δ 54°1'47.2" (LT)
 D 115°44'56.6"
 L 46.68' (ARC)
 T 25.24'
 R 49.50'

POWELL CROSSOVER SN
 SHEET 2 OF 2

SIGNING SHEET
 4 OF 12



Jacquyn A. White
 01/02/2025 10:50:06 AM
 JACQUYN A WHITE - CIVIL
 MO-PE-2003001116

DATE PREPARED
 1/2/2025

ROUTE 50 STATE MO
 DISTRICT KC SHEET NO. 62

COUNTY JOHNSON
 JOB NO. JKR0134
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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



DATE PREPARED
1/2/2025


ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 63

COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.

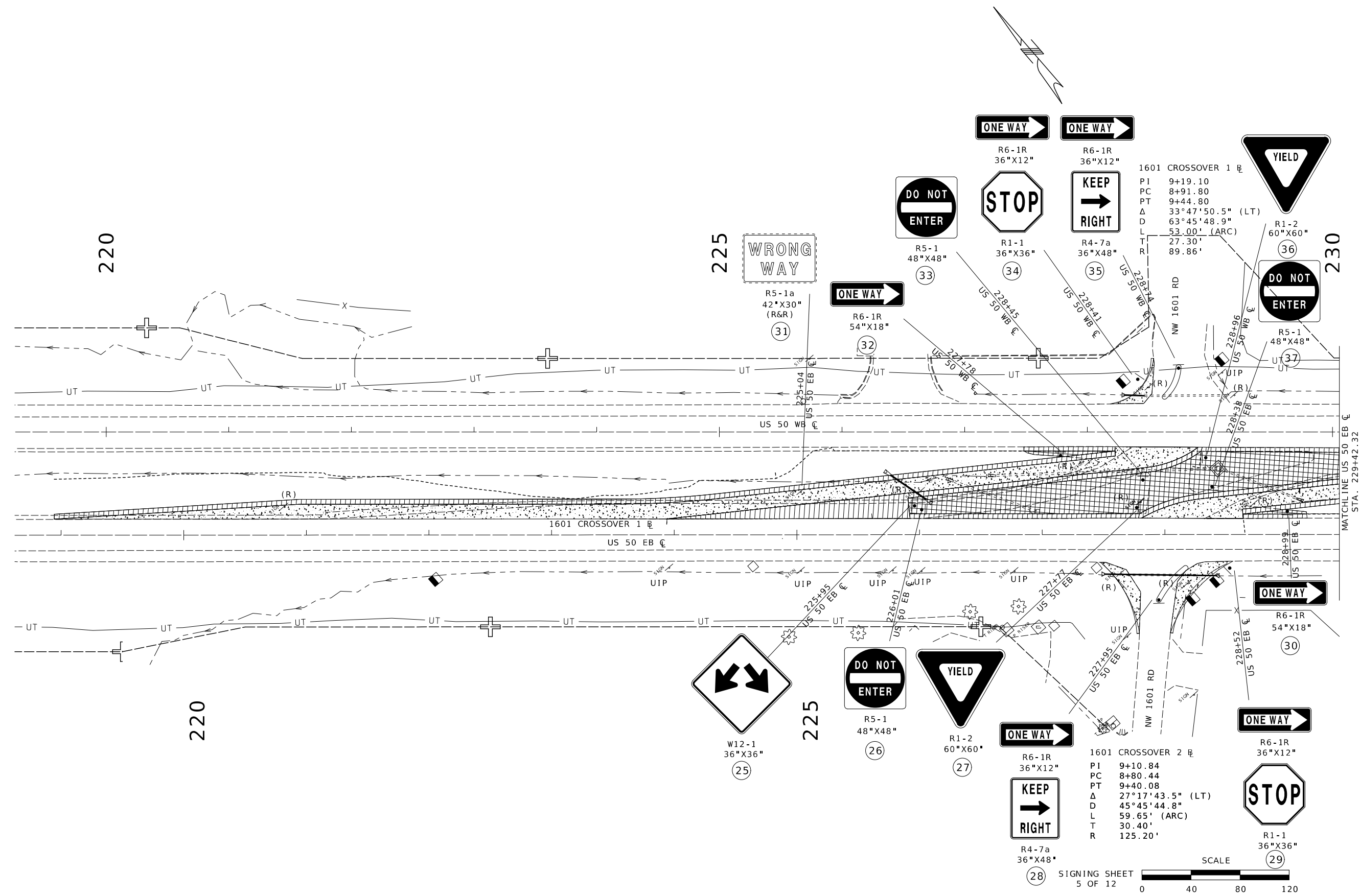
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION


MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



SIGNING SHEET 5 OF 12



SCALE
0 40 80 120

220

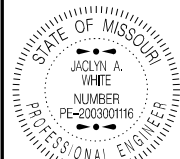
220

225

225

230

MATCHLINE US 50 EB €
STA. 229+42.32



DATE PREPARED
1/2/2025

ROUTE 50 STATE MO

DISTRICT KC SHEET NO. 64

COUNTY JOHNSON

JOB NO. JKR0134


CONTRACT ID.

PROJECT NO.

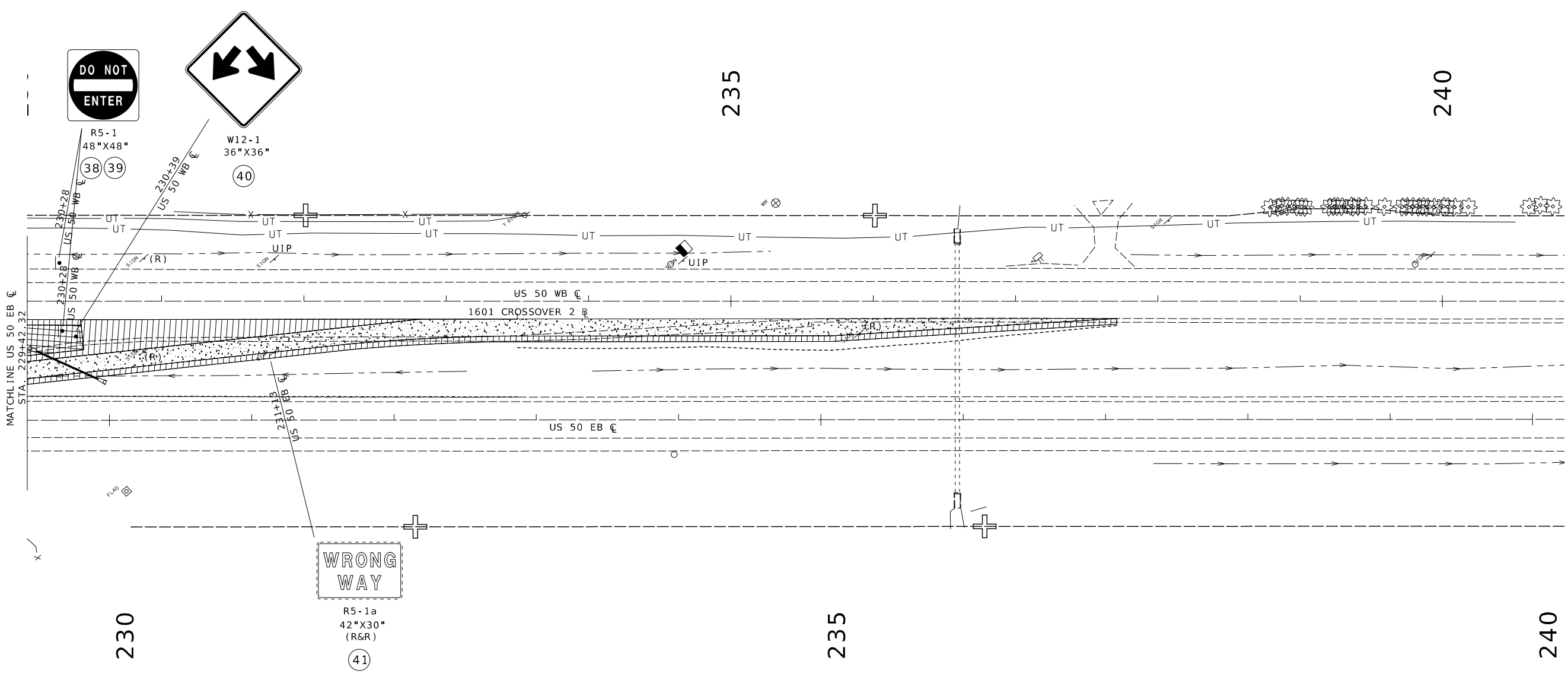
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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



SIGNING SHEET 6 OF 12

SCALE
0 40 80 120



Jaclyn A. White
 01/25/2025 10:48:28 AM
 JACLYN A WHITE - CIVIL
 MO-PE-2003001116

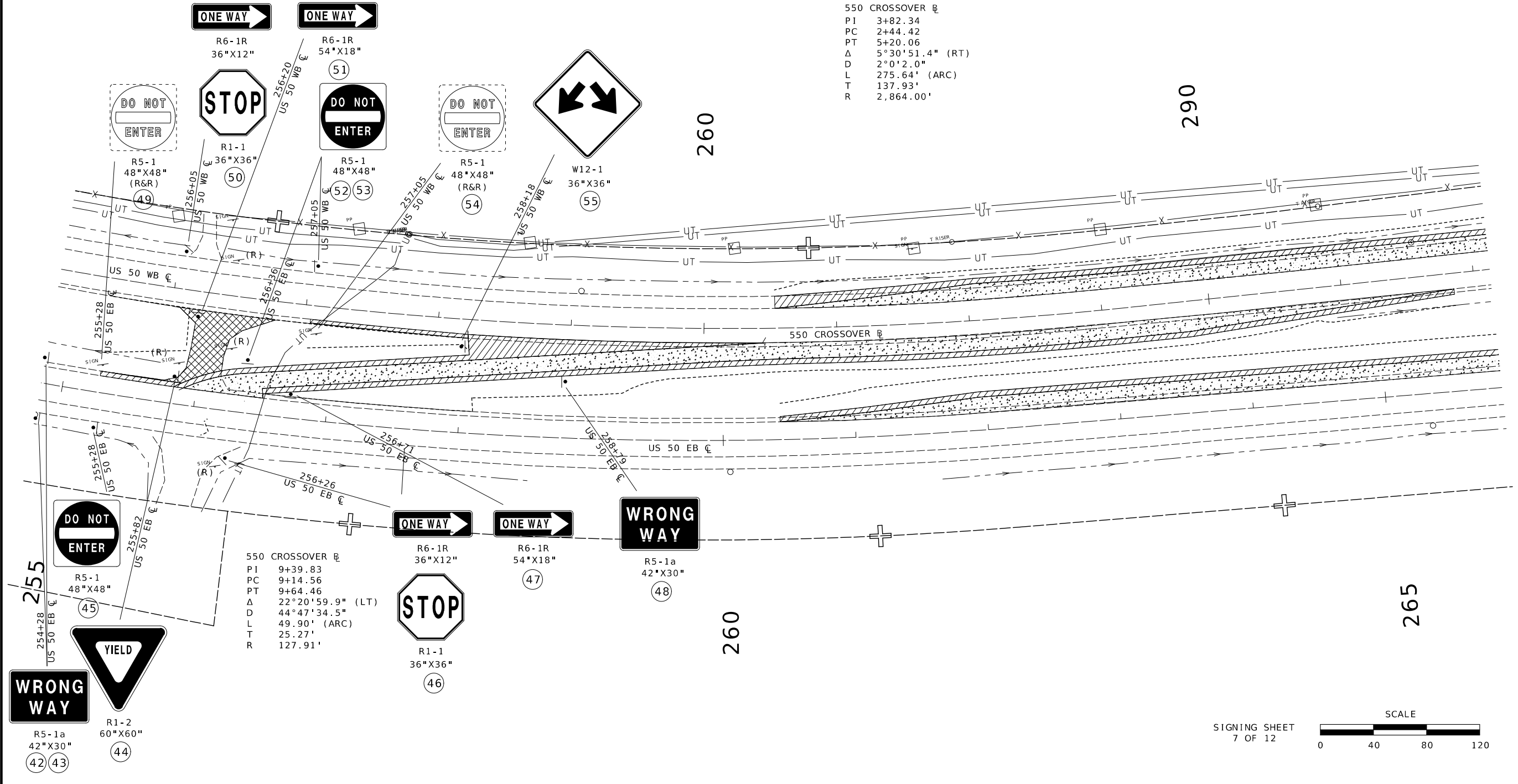
DATE PREPARED
 1/2/2025
 ROUTE STATE
 50 MO
 DISTRICT SHEET NO.
 KC 65
 COUNTY
 JOHNSON
 JOB NO.
 JKR0134
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

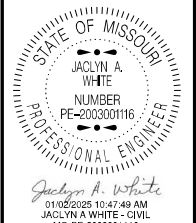
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



SIGNING SHEET
 7 OF 12
 SCALE
 0 40 80 120



DATE PREPARED
1/2/2025

ROUTE	STATE
50	MO
DISTRICT	SHEET NO.
KC	66

COUNTY
JOHNSON

JOB NO.
JKR0134

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

260

EAST J TURN DECEL R

PI	0+86.84
PC	-0+00.00
PT	1+73.64
Δ	3°21'12.7" (LT)
D	1°55'52.7"
L	173.64' (ARC)
T	86.84'
R	2,966.67'

EAST J TURN ACCEL R

PI	4+85.43
PC	3+28.27
PT	6+42.41
Δ	4°42'14.6" (RT)
D	1°29'50.7"
L	314.15' (ARC)
T	157.16'
R	3,826.34'

290



R6-1L
54"x18"



M3-4
24"x12"



M1-4
24"x24"



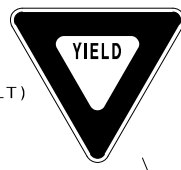
M6-1
24"x12"

EAST J TURN R

PI	73+06.55
PC	0+00.00
PT	1+28.46
Δ	180°38'20.4" (LT)
D	140°37'20.1"
L	128.46' (ARC)
T	7,306.55'
R	40.74'



R6-1L
54"x18"



R1-2
60"x60"



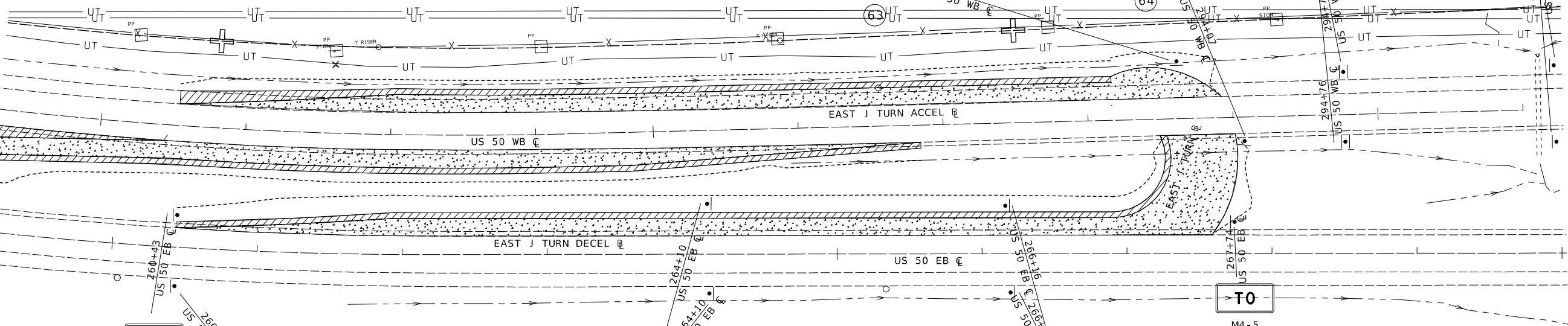
R5-1
48"x48"



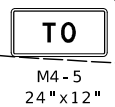
R3-2
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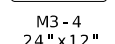
R5-1a
42"x30"



260



M4-5
24"x12"



M1-4
24"x24"



M6-2L
21"x15"

(56)



M3-2
24"x12"



M1-4
24"x24"



M6-3
21"x15"

(57)



R5-1a
42"x30"

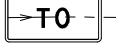
(58) (59)

265



R5-1
48"x48"

(60) (61)



M4-5
24"x12"



M3-4
24"x12"



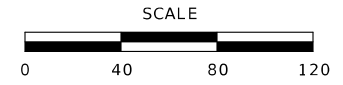
M1-4
24"x24"



M10-1
24"x24"

(62)

SIGNING SHEET
8 OF 12



DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SIGNS					CONCRETE FOOTINGS EMBEDDED		STRUCTURAL STEEL POSTS*					PIPE POSTS*					BACKING BARS**				U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE										EFFECTIVE: 07-01-2024	REMARKS AND OTHER REQUIRED ITEMS															
902 SIGNAL SIGNS TABULATED ON D-37A SHEET																						2-INCH POST					2.5-INCH POST					BREAK-AWAY ASSEMBLY																
SIGN NO.	SIGN SIZE	STATION OR LOG MILE	HORIZ CLEAR IF NOT STD	LOCATION	SIGN DTL NO.	ITEM NO. 9031010	POST DES NO.	POST NO. 1	POST NO. 2	POST NO. 3	LBS PER FT	TOTAL	PIPE SIZE	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL	ITEM NO. 9031220	2" X 3/8" BARS AT 2.55 LBS/FT				ITEM NO. 9031250A	POST NO. 1	POST NO. 2	TOTAL	ANCHORS			2.25" INSERT (6 FT)		ANCHORS			ITEM NO. 9031241													
						CY						LBS	IN	LF	LF	LF	LBS	IN	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF													
61	48"X48"	266+16		US 50 EB		0.36							4	19.5		10.79	210.41																															
62	ASSEMBLY	267+74		US 50 EB		0.36							4	22		10.79	237.38																															
63	ASSEMBLY	293+62		US 50 WB		0.36							4	20.5		10.79	221.20																															
64	ASSEMBLY	294+07		US 50 WB		0.36							4	22.5		10.79	242.78																															
65	48"X48"	294+76		US 50 WB		0.36							4	19.5		10.79	210.41																															
66	48"X48"	294+76		US 50 WB		0.36							4	19.5		10.79	210.41																															
67	42"X30	296+76		US 50 WB																			15.5																									
68	42"X30"	296+76		US 50 WB																			15.5																									
					SUBTOTAL		2.16							1332.6						32						2						88						5										
					TOTAL		15.0							9126						**						280						17						88						5				


*BREAKAWAY ASSEMBLY IS INCIDENTAL FOR STRUCTURAL STEEL AND PIPE POSTS.
 **BACKING BARS ARE TOTALED WITH STRUCTURAL STEEL OR PIPE POSTS.

NOM. SIZE	WEIGHT		STUB LENGTH	FOOTING		CONCRETE
(IN.)	LBS/FT	LBS/IN		DIA.	DEPTH	C.Y.
2 1/2	5.79	0.48	4'- 3/4"	12"	4-6"	0.13
4	10.79	0.90	5'- 3/4"	18"	5-6"	0.36

POST DES. NO.	NOM. SIZE	POST WEIGHT		STUB LENGTH	DIA.	LEVEL GROUND		6:1 GRADE		4:1 GRADE		3:1 OR 2:1 GRADE	
		LBS/FT	LBS/IN			DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.	DEPTH	C.Y.
1	W6	9.0	0.75	3'-0"	15"	3'-0"	0.14	3'-2"	0.15	3'-3"	0.16	3'-6"	0.17
2	W6	15.0	1.25	4'-0"	24"	4'-0"	0.47	4'-2"	0.50	4'-3"	0.51	4'-6"	0.54
3	W8	18.0	1.50	4'-6"	28"	4'-6"	0.71	4'-8"	0.73	4'-9"	0.74	5'-0"	0.78
4	W10	22.0	1.83	5'-0"	36"	5'-0"	1.31	5'-2"	1.36	5'-3"	1.39	5'-6"	1.45
5	W10	26.0	2.17	5'-0"	36"	5'-0"	1.31	5'-3"	1.37	5'-5"	1.43	5'-9"	1.52
6	W12	35.0	2.92	5'-6"	36"	5'-6"	1.44	5'-9"	1.52	5'-11"	1.56	6'-3"	1.65

SIGNING SHEET
10 OF 12

D-29



Jacyln A. White
01/08/2025 10:46:40 AM
JACYLN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
1/2/2025

ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 68

COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

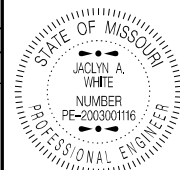
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

STANDARD SIGN ASSEMBLIES																					
SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH																					
SIGN NO.	STATION OR LOG MILE	LOCATION	SIGN, TYPE, DESIGNATION, SIZE & NUMBER OF EACH																		
			SH M1-4 24x24	SH M3-2 24x12	SH M3-4 24x12	SH M4-5 24x12	SH M6-1 21x15	SH M6-2L 21x15	SH M6-3 21x15	SH M10-1 24x24	SH R1-1 36x36	SH R1-2 60x60	SH R3-2 48x48	SH R4-7a 36x48	SH R5-1 48x48	SH R5-1a 42x30	SH R6-1L 54x18	SH R6-1R 36x12	SH R6-1R 54x18	SHF W12-1 36x36	
67	296+76	US 50 WB																			
68	276+76	US 50 WB																			
SUBTOTALS																					
TOTALS			8	4	4	4	1	2	2	2	4	6	2	3	17	2	11	4	7	7	4

SIGN SUMMARY		EFFECTIVE: 10-01-2016				
STANDARD OR SPECIAL SIGN DESIGNATION	SIGN DTL. SHT. NO. EACH	SIGN SIZE	TYPE & SQUARE FEET			
			FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF* ITEM NO. 9035069A	STRUCTURAL ST ITEM NO. 9035011A	STRUCTURAL FLUORESCENT STF* ITEM NO. 9035071A
M1-4		24x24				
M3-2		24x12				
M3-4		24x12				
M4-5		24x12				
M6-1		21x15				
M6-2L		21x15				
M6-3		21x15				
M10-1		24x24				
R1-1		36x36				
R1-2		60x60				
R3-2		48x48				
R4-7a		36x48				
R5-1		48x48				
R5-1a	2	42x30	17.50			
R6-1L		54x18				
R6-1R		36x12				
R6-1R		54x18				
W12-1		36x36				
SUBTOTALS			18			
TOTALS			793	36		

*ORANGE, YELLOW AND YELLOW-GREEN



DATE PREPARED
1/2/2025

ROUTE **50** STATE **MO**

DISTRICT **KC** SHEET NO. **70**

COUNTY
JOHNSON

JOB NO.
JKR0134


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)



DATE PREPARED
1/2/2025

ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 71

COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

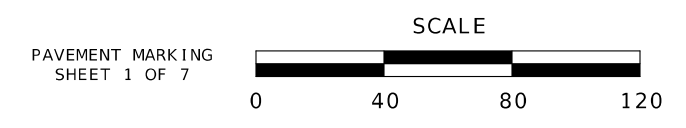
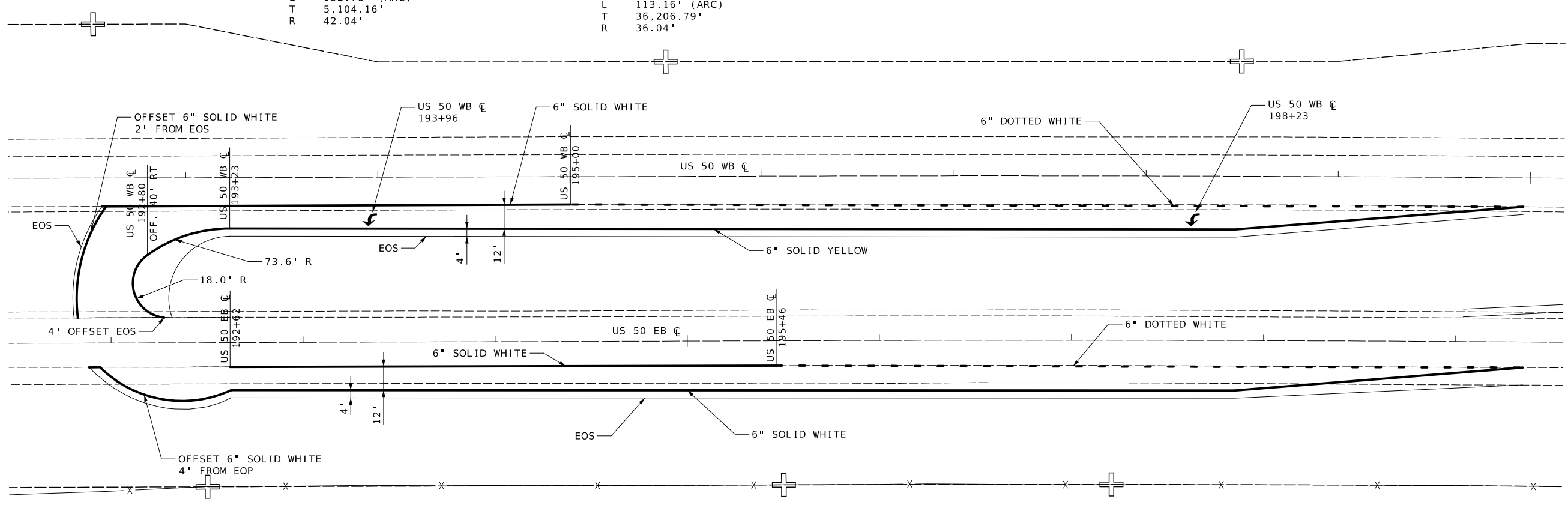
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

WEST J TURN ACCEL DECEL \mathbb{R}
 PI 57+77.59
 PC 6+73.43
 PT 8+06.21
 Δ 180°56'38.0" (RT)
 D 136°16'34.6"
 L 132.78' (ARC)
 T 5,104.16'
 R 42.04'

J TURN CURVE \mathbb{R}
 PI 362+06.79
 PC 0+00.00
 PT 1+13.16
 Δ 179°53'9.3" (RT)
 D 158°57'59.5"
 L 113.16' (ARC)
 T 36,206.79'
 R 36.04'



195

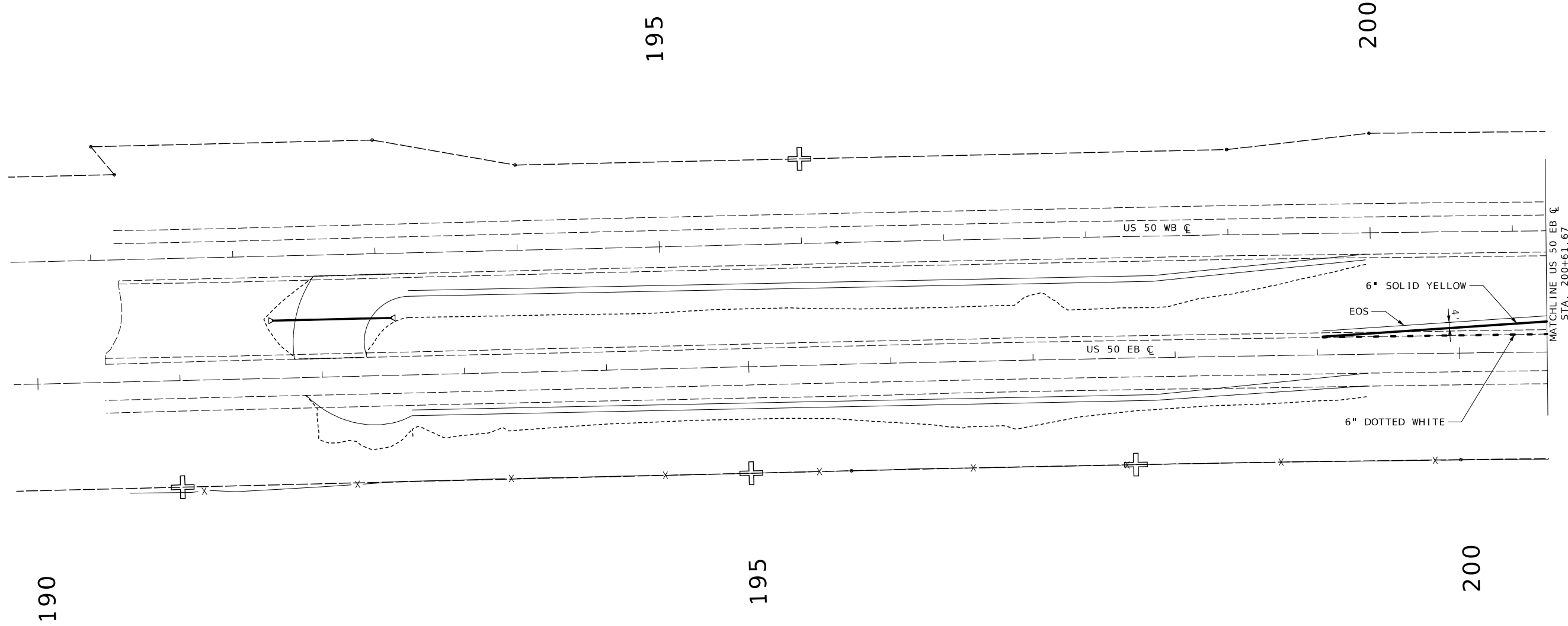
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31.02.2025 10:43:40 AM
JACLYN A WHITE - CIVIL
MO-PE-2003001116



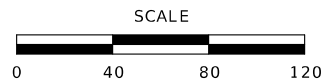
Jaclyn A. White
JACLYN A WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
1/2/2025
ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 72
COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.
PROJECT NO.
BRIDGE NO.



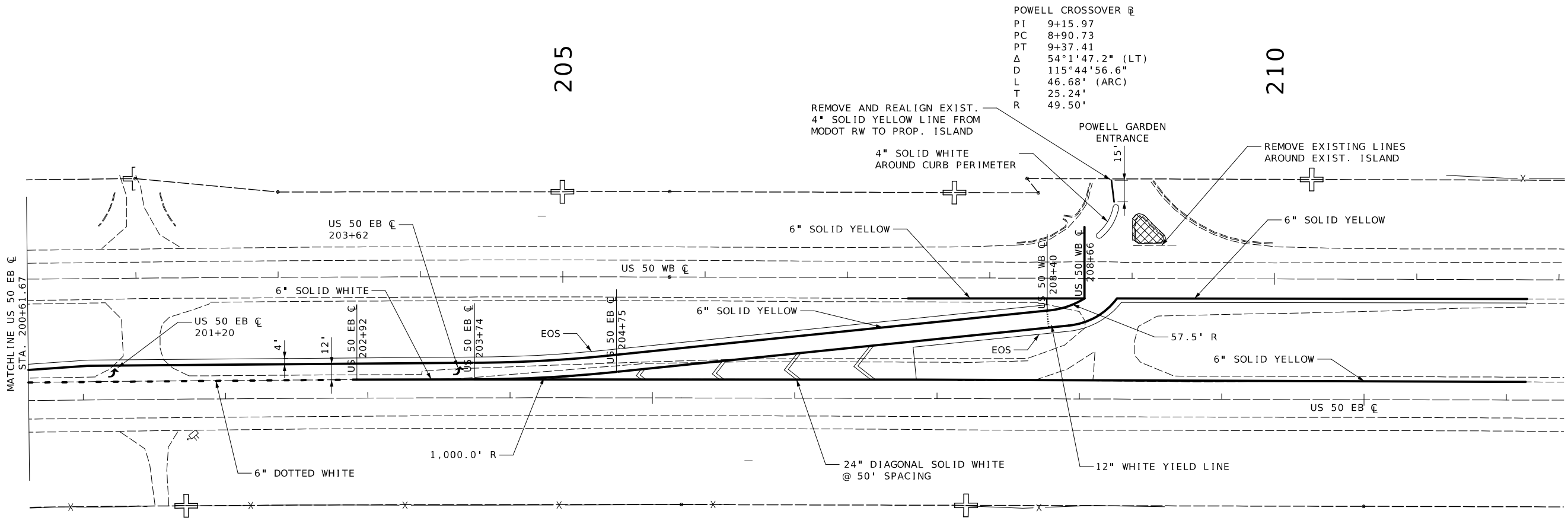
POWELL CROSSOVER PM
SHEET 1 OF 2

PAVEMENT MARKING
SHEET 2 OF 7



DATE	DESCRIPTION

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



POWELL CROSSOVER \curvearrowright
 PI 9+15.97
 PC 8+90.73
 PT 9+37.41
 Δ 54°1'47.2" (LT)
 D 115°44'56.6"
 L 46.68' (ARC)
 T 25.24'
 R 49.50'

REMOVE AND REALIGN EXIST.
 4" SOLID YELLOW LINE FROM
 MODOT RW TO PROP. ISLAND

4" SOLID WHITE
 AROUND CURB PERIMETER

POWELL GARDEN
 ENTRANCE

REMOVE EXISTING LINES
 AROUND EXIST. ISLAND

6" SOLID YELLOW

6" SOLID YELLOW

6" SOLID WHITE

6" SOLID YELLOW

6" SOLID YELLOW

6" DOTTED WHITE

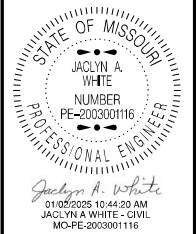
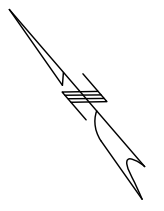
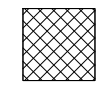
1,000.0' R

24" DIAGONAL SOLID WHITE
 @ 50' SPACING

12" WHITE YIELD LINE

57.5' R

REMOVAL



DATE PREPARED
 1/2/2025
 ROUTE 50 STATE MO
 DISTRICT KC SHEET NO. 73
 COUNTY JOHNSON
 JOB NO. JKR0134
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

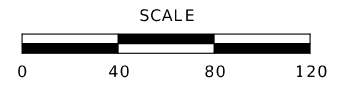
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

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

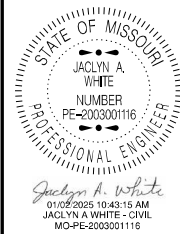
POWELL CROSSOVER PM
 SHEET 2 OF 2

PAVEMENT MARKING
 SHEET 3 OF 7



205

210



DATE PREPARED
1/2/2025

ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 74

COUNTY
JOHNSON

JOB NO.
JKR0134

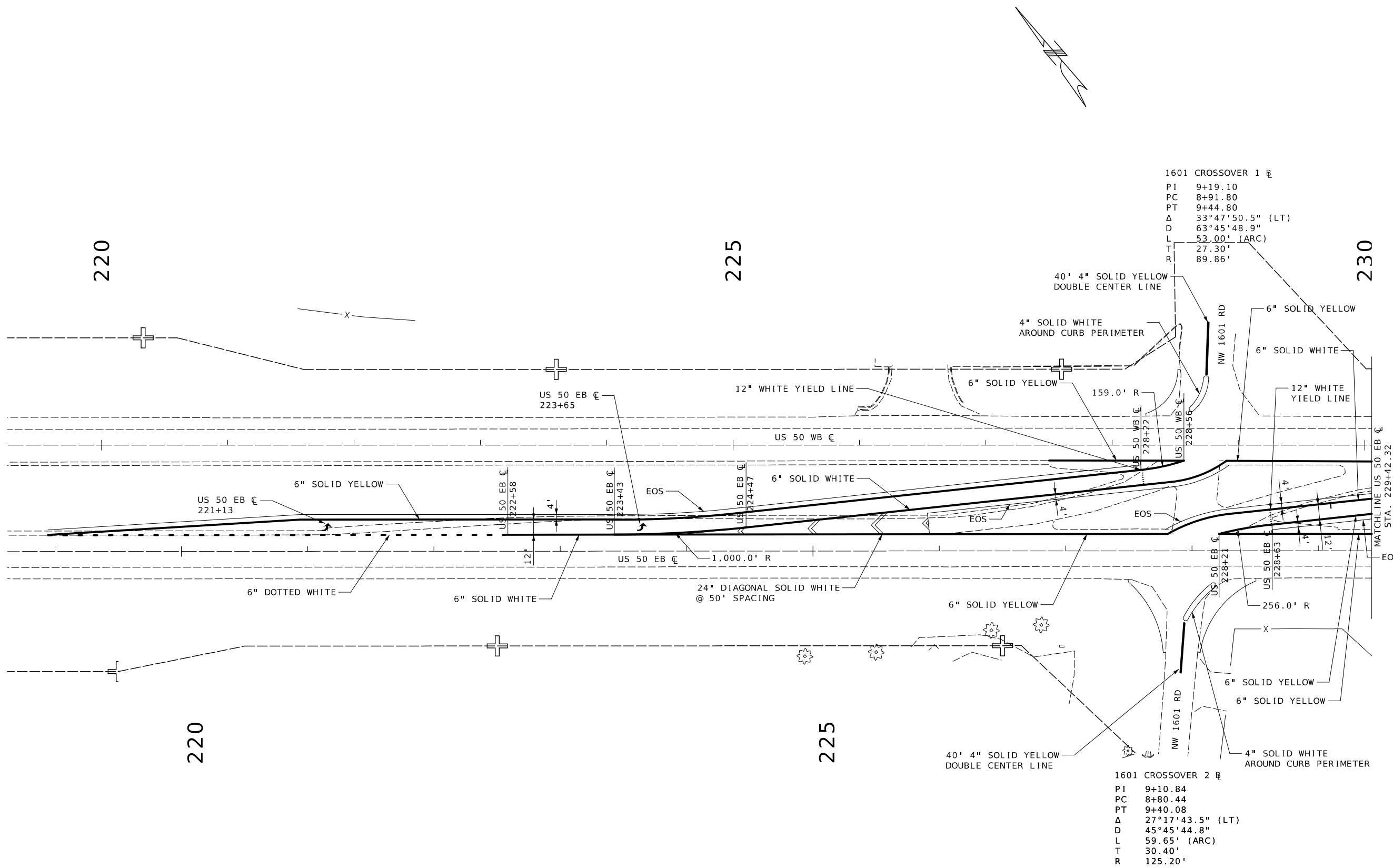
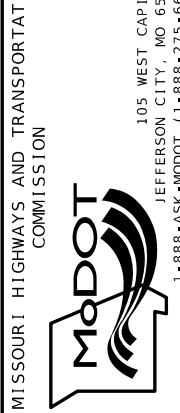
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

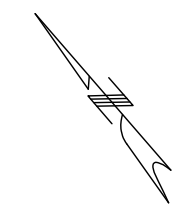
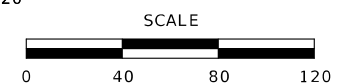
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



1601 CROSSOVER 1 R
 PI 9+19.10
 PC 8+91.80
 PT 9+44.80
 Δ 33°47'50.5" (LT)
 D 63°45'48.9"
 L 53.00' (ARC)
 T 27.30'
 R 89.86'

1601 CROSSOVER 2 R
 PI 9+10.84
 PC 8+80.44
 PT 9+40.08
 Δ 27°17'43.5" (LT)
 D 45°45'44.8"
 L 59.65' (ARC)
 T 30.40'
 R 125.20'

PAVEMENT MARKING SHEET 4 OF 7



220

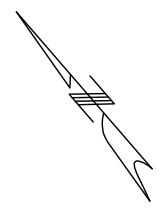
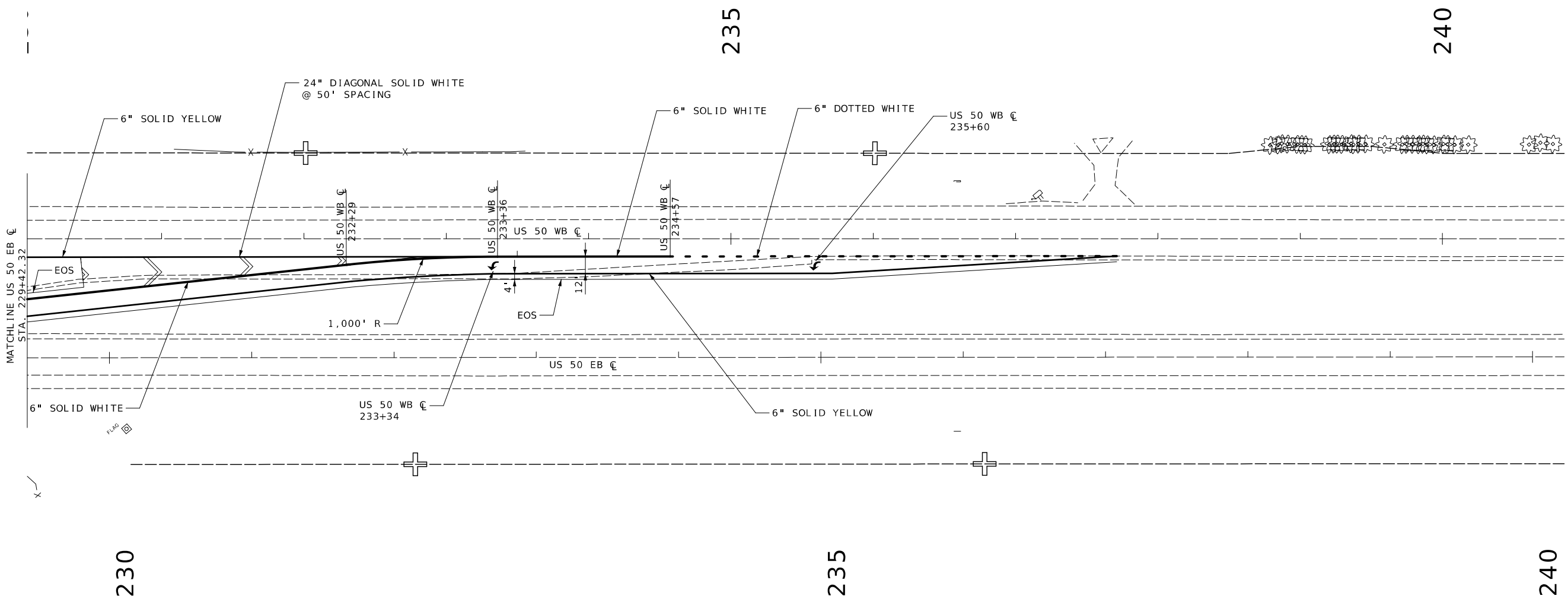
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230

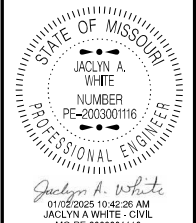
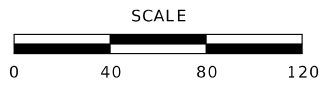
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225

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



PAVEMENT MARKING
SHEET 5 OF 7



DATE PREPARED
 1/2/2025
 ROUTE 50 STATE MO
 DISTRICT KC SHEET NO. 75
 COUNTY JOHNSON
 JOB NO. JKR0134
 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)

230

235

235

240

240



Jaclyn A. White
01/02/2025 10:44:46 AM
JACLYN A. WHITE - CIVIL
MO-PE-2003001116

DATE PREPARED
1/2/2025
ROUTE 50 STATE MO
DISTRICT KC SHEET NO. 76
COUNTY JOHNSON
JOB NO. JKR0134
CONTRACT ID.

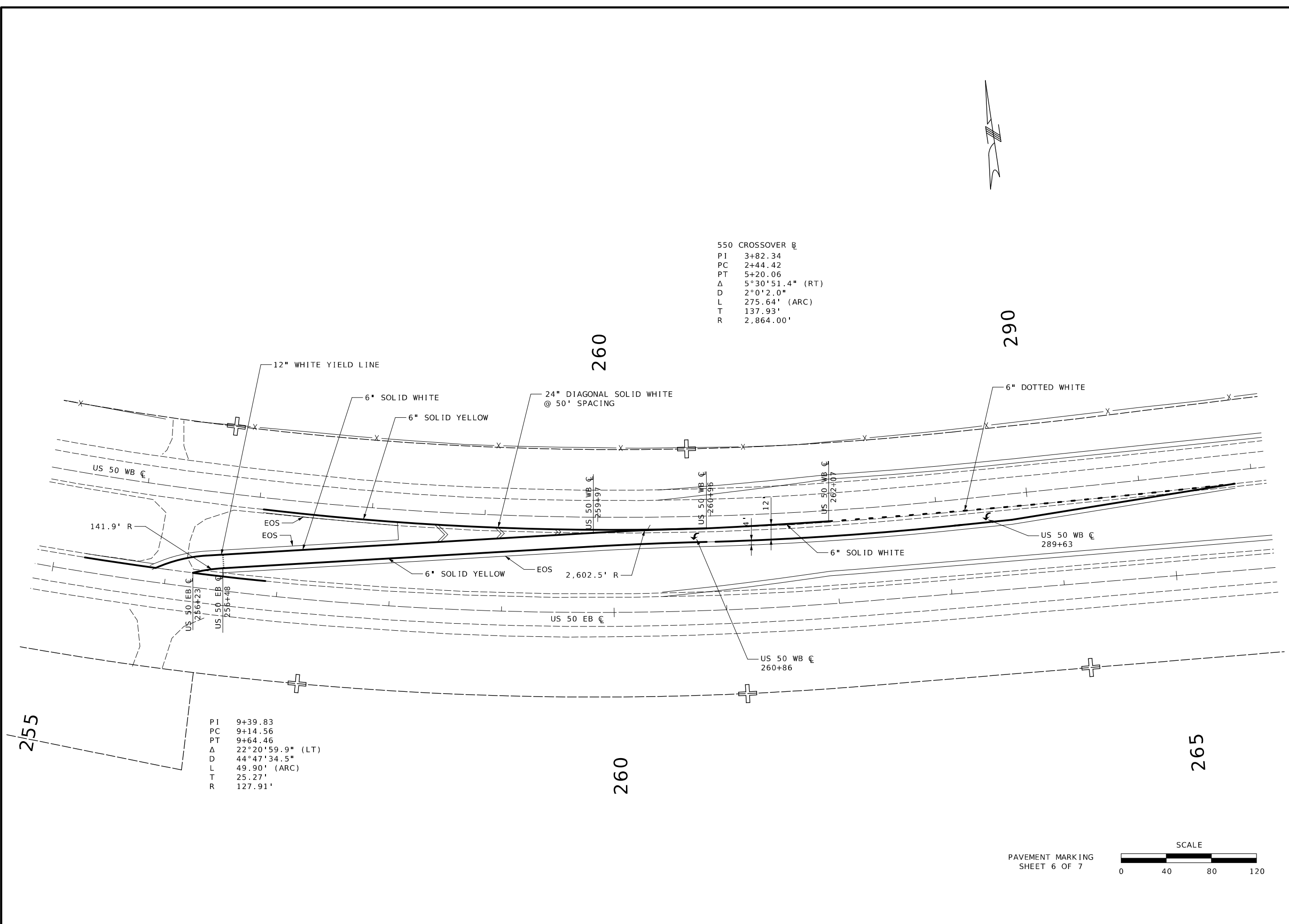
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

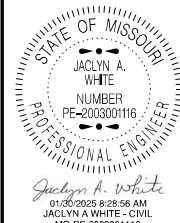
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

550 CROSSOVER @
 PI 3+82.34
 PC 2+44.42
 PT 5+20.06
 Δ 5°30'51.4" (RT)
 D 2°0'2.0"
 L 275.64' (ARC)
 T 137.93'
 R 2,864.00'



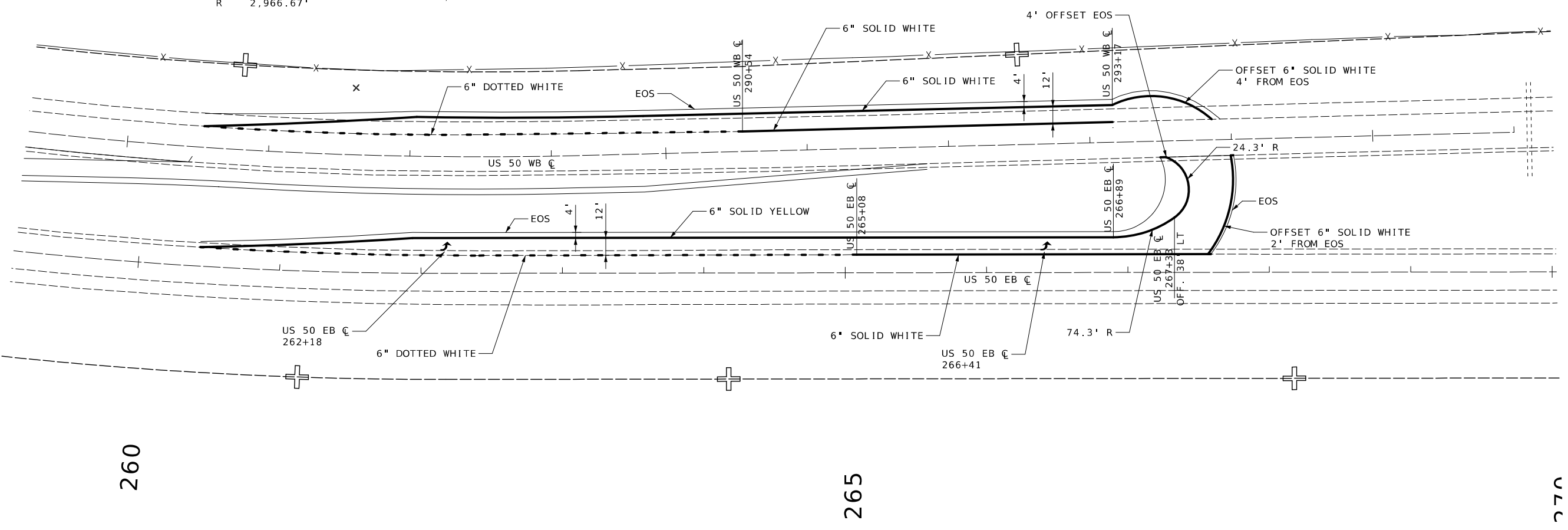
PI 9+39.83
 PC 9+14.56
 PT 9+64.46
 Δ 22°20'59.9" (LT)
 D 44°47'34.5"
 L 49.90' (ARC)
 T 25.27'
 R 127.91'





DATE PREPARED	1/30/2025	
ROUTE	50	STATE
DISTRICT	KC	SHEET NO.
COUNTY	JOHNSON	
JOB NO.	JKR0134	
CONTRACT ID.		
PROJECT NO.		
BRIDGE NO.		

EAST J TURN DECEL		EAST J TURN ACCEL		EAST J TURN	
PI	0+86.84	PI	4+85.43	PI	73+06.55
PC	-0+00.00	PC	3+28.27	PC	0+00.00
PT	1+73.64	PT	6+42.41	PT	1+28.46
Δ	3°21'12.7" (LT)	Δ	4°42'14.6" (RT)	Δ	180°38'20.4" (LT)
D	1°55'52.7"	D	1°29'50.7"	D	140°37'20.1"
L	173.64' (ARC)	L	314.15' (ARC)	L	128.46' (ARC)
T	86.84'	T	157.16'	T	7,306.55'
R	2,966.67'	R	3,826.34'	R	40.74'

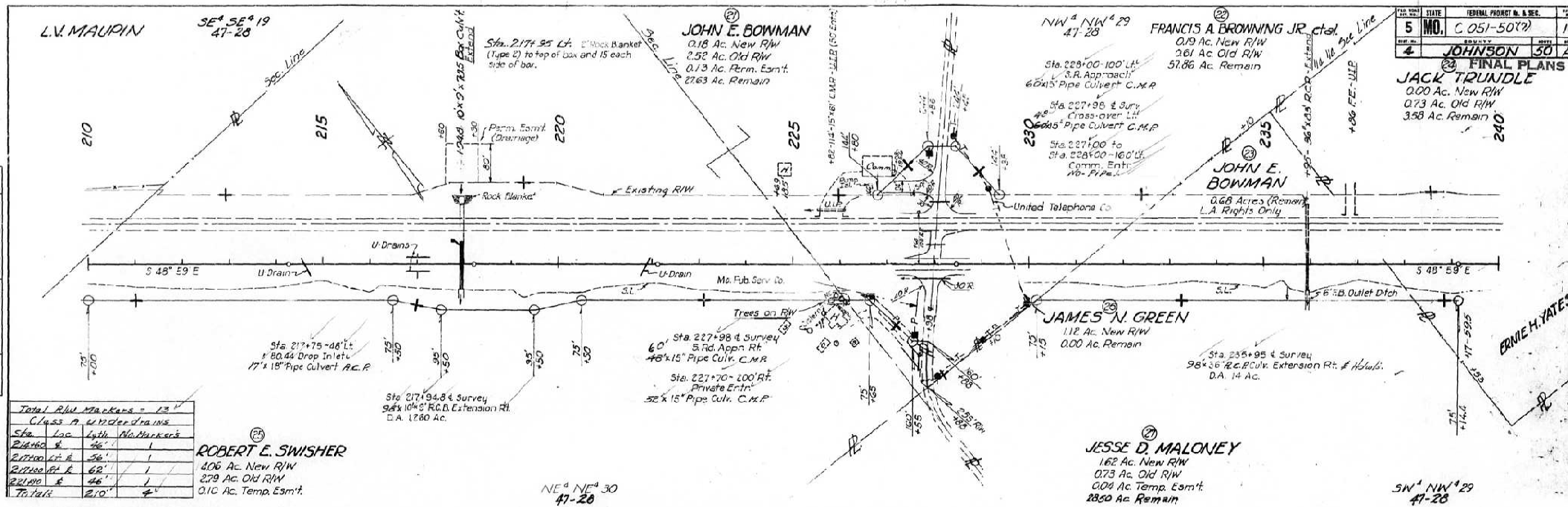


DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

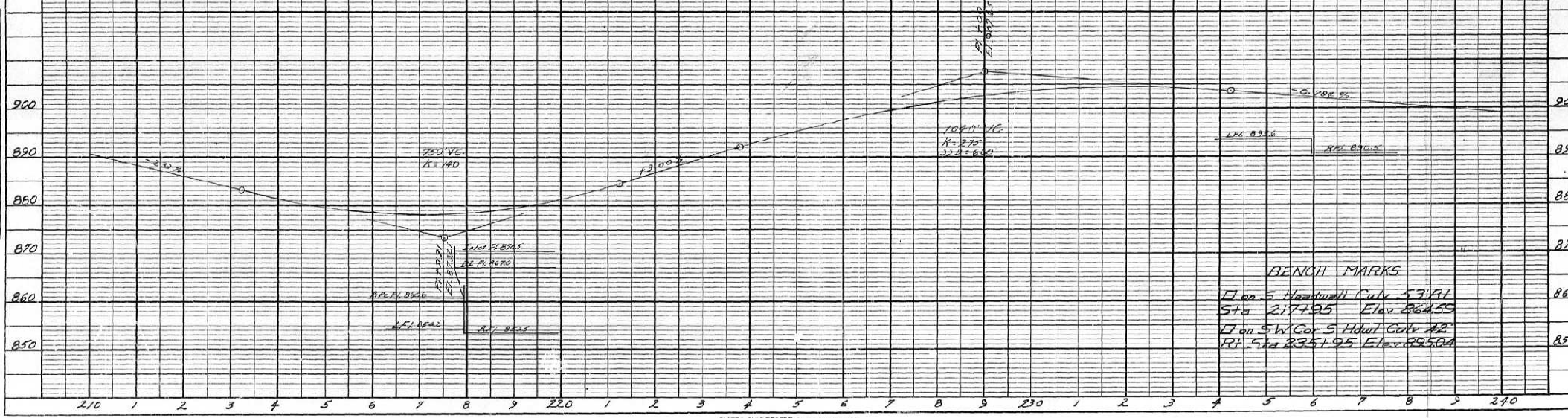
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)





Total R/W Markers = 13
Class A Underdrains

Sta.	Loc.	Lyth.	Alt. Markers
217+60	E	46"	1
217+70	E	36"	1
217+80	E	62"	1
217+90	E	46"	1
Total		210"	4



490

PLATE 1 - PLAN PROFILE - 11" x 17" DRAWING
U.S. GEOLOGICAL SURVEY