

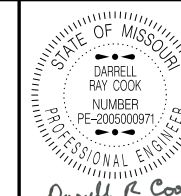
CONCRETE MEDIAN STRIP								
SHEET	STATION	STATION	ROUTE	LOCATION	AREA SQ.FT.	3" CONCRETE S.Y.	8" CONCRETE S.Y.	REMARKS
	103+84.53	108+47.74	13	CONST. C/L	4609.4		512.2	DIVISIONAL ISLAND
	110+67.64	114+77.36	13	CONST. C/L	5828.2		647.6	DIVISIONAL ISLAND
	34+34.29	35+81.34	CR160-70	EX. C/L	2217.1		246.4	DIVISIONAL ISLAND
	207+39.00	209+04.09	160	EX. C/L	1353.9		150.5	DIVISIONAL ISLAND
	108+68.65	110+48.65	13	CONST. C/L	10643.7	1182.6		ROUNDAABOUT, TRUCK APRON
	108+92.65	110+92.65	13	CONST. C/L	13684.8		1520.6	ROUNDAABOUT, INNER CIRCLE
TOTAL						1182.6	3077.3	

TEMPORARY EROSION CONTROL									
SHEET	STATION	STATION	ROUTE	LT / RT LOCATION	ROCK DITCH CHECK	SILT FENCE	SEDIMENT REMOVAL	REMARKS	
					LF	LF	CY		
	103+70	107+00.00	13	RT		334	3.3		
	107+00	108+40.00	13	RT	30.0		2.0	2 DITCH CHECKS, 150' SPACING	
	108+40	35+95.00	13 - CR160-70	RT		144	1.4		
	35+95	38+30	CR160-70	RT	80.0		4.0	4 DITCH CHECKS, 75' SPACING	
	111+80	38+30	13 - CR160-70	LT	125.0		5.0	5 DITCH CHECKS, 150' SPACING	
	111+80	115+30	13	RT		346	3.5		
	103+70	107+75	13	LT		402	4.0		
	107+75	207+75	13 - 160	LT	125.0		5.0	5 DITCH CHECKS, 50' SPACING	
	207+75	209+00	160	LT		145	1.5		
	209+80	211+35	160	LT		158	1.6		
	210+75	211+35	160	RT		60	0.6		
	210+75	114+75	160 - 13	LT	400.0		16.0	16 DITCH CHECKS, 50' SPACING	
	114+75	115+30	13	LT		55	0.6		
TOTAL					760.0	1644.0	49		

SEEDING & MULCHING		
	UNITS	TOTAL
SEEDING-COOL SEASON GRASSES	ACRE	0.9
MULCHING	ACRE	0.9

ADDITIONAL MOBILIZATION FOR SEEDING		
PER OCCURRENCE	EACH	TOTAL
		2.0

EARTHWORK							
STATION	STATION	LOCATION	UNCLASSIFIED EXCAVATION	COMPACTING EMBANKMENT	EMBANKMENT IN PLACE	COMPACTING IN CUT	REMARKS
			CY	CY	CY	STA	
103+84.30	107+56.72	ROUTE 13 - SECTION 1	175.0	4.0		4	EXCESS 171 C.Y.
111+85.33	114+98.15	ROUTE 13 - SECTION 2	334.0	30.0		3	EXCESS 304 C.Y.
36+02.39	38+24.30	CR160 - 70	123.0	58.0		2	EXCESS 66 C.Y.
208+01.17	211+24.32	ROUTE 160	152.0	28.0		3	EXCESS 124 C.Y.
0+00.00	4+00.00	SW RADIUS	1528.0	341.0		4	EXCESS 1186 C.Y.
3+00.00	5+00.00	SE RADIUS	49.0	41.0	10.0		
0+00.00	3+00.00	NE RADIUS	4012.0	642.0		3	EXCESS 3370 C.Y.
1+00.00	3+50.00	NW RADIUS	125.0	12.0		3	EXCESS 113 C.Y.
0+00.00	5+50.00	ROUNDAABOUT	1434.0	618.0		6	EXCESS 816 C.Y.
TOTAL			7932.0	1774.0	10.0	28.0	
USE			7932	1774	10	28.0	



Darrell R. Cook
 08-15-2024 10:23:10
 DARRELL RAY COOK - CIVIL
 MO-PE-2005000971

DATE PREPARED
 8/14/2024

ROUTE STATE
 13 MO

DISTRICT SHEET NO.
 SW 3

COUNTY
 STONE

JOB NO.
 JSR0094

CONTRACT ID.

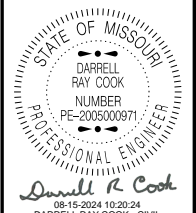
PROJECT NO.

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
8/14/2024

ROUTE 13 STATE MO
DISTRICT SW SHEET NO. 3

COUNTY
STONE

JOB NO.
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PROJECT NO.

BRIDGE NO.

LUMINAIRE, POLE AND EQUIPMENT												
POLE I.D.	SHEET	ALIGNMENT	STATION	OFFSET	45' MOUNTING HEIGHT TYPE AT POLE		BRACKET ARM		LED TYPE B	CABLE #10 AWG 1 COND. POLE & BRACKET FT.	POLE FOUNDATION 45' M.H. EA.	REMARKS
					DESIGN NO. 2 EA.	DESIGN NO. 3 EA.	6' EA.	15' EA.				
CIRCUIT #1												
L1 C1	LT1	C/L CONSTRUCTION	110+38.36	84.64' LT.		1	1		1	130	1	SET POLE BASE ON INSLOPE OF DITCH
L2 C1	LT1	C/L CONSTRUCTION	111+63.00	40.61' LT.	1			1	1	130	1	
L3 C1	LT1	C/L CONSTRUCTION	113+36.00	40.74' LT.	1		1		1	130	1	
L4 C1	LT1	C/L CONSTRUCTION	115+10.00	38.84' LT.	1			1	1	130	1	
CIRCUIT #2												
L5 C2	LT1	C/L CONSTRUCTION	108+81.26	90.90' LT.	1			1	1	130	1	
L6 C2	LT1	C/L ROUTE 160/248	208+35.00	42.83' LT.		1		1	1	130	1	SET POLE BASE ON LEVEL GROUND BEHIND DITCH
L7 C2	LT1	C/L ROUTE 160/248	210+23.00	37.71' LT.		1		1	1	130	1	SET POLE BASE ON LEVEL GROUND BEHIND DITCH
CIRCUIT #3												
L8 C3	LT1	C/L CONSTRUCTION	110+26.32	103.84' RT.		1		1	1	130	1	SET POLE BASE ON DITCH BACKSLOPE
L9 C3	LT1	C/L DOGWOOD TREE RD.	36+11.75	35.80' LT.		1		1	1	130	1	SET POLE BASE ON DITCH BACKSLOPE
CIRCUIT #4												
L10 C4	LT1	C/L CONSTRUCTION	108+73.34	83.77' RT.	1			1	1	130	1	
L11 C4	LT1	C/L CONSTRUCTION	107+00.00	40.86' RT.	1			1	1	130	1	
L12 C4	LT1	C/L CONSTRUCTION	105+23.00	39.75' RT.	1			1	1	130	1	
L13 C4	LT1	C/L CONSTRUCTION	103+50.00	38.30' RT.	1			1	1	130	1	
TOTAL					8	5	2	11	13	1690	13	
USE					8	5	2	11	13	1690	13	

BASE MOUNTED CONTROL STATION										
SHEET	ALIGNMENT	STATION	OFFSET	BASE MOUNTED CONTROL STATION 240 VOLT, 4 CIRCUIT	BREAKER (AMPS) CIRCUIT					REMARKS
					MAIN	1A	1B	1C	1D	
LT 1	C/L CONSTRUCTION	111+10.00	122.00' LT.	1	100	15	15	15	15	
TOTAL				1						
USE				1						

POWER SUPPLY					
SHEET	ALIGNMENT	STATION	OFFSET	TYPE II EA.	REMARKS
LT 1	C/L CONSTRUCTION	111+00.00	133.00' LT.	1	
TOTAL				1	
USE				1	

PULLBOXES								
PULLBOX NO.	SHEET	ALIGNMENT	STATION	OFFSET	PULLBOX TYPE CONCRETE	TYPE II DRAIN		REMARKS
						A	B	
1	LT1	C/L CONSTRUCTION	111+00.00	112.00' LT.	1	1		
2	LT1	C/L CONSTRUCTION	111+00.00	43.27' LT.	1		1	
3	LT1	C/L ROUTE 160/248	208+10.00	29.34' RT.	1	1		
4	LT1	C/L ROUTE 160/248	208+10.00	38.31' LT.	1	1		
5	LT1	C/L OLD ROUTE 160	209+45.00	19.64' RT.	1	1		
6	LT1	C/L OLD ROUTE 160	209+45.00	15.54' LT.	1	1		
7	LT1	C/L CONSTRUCTION	112+00.00	37.56' LT.	1		1	
8	LT1	C/L CONSTRUCTION	112+00.00	36.00' RT.	1		1	
9	LT1	C/L DOGWOOD TREE RD.	35+36.36	28.32' LT.	1		1	
10	LT1	C/L DOGWOOD TREE RD.	35+46.09	36.68' RT.	1		1	
TOTAL					10			
USE					10			

RIGID CONDUIT						
SHEET	FROM	TO	CENTER TO CENTER FT.	4" CONDUIT TRENCHED	4" CONDUIT PUSHED	REMARKS
				FT.	FT.	
LT 1	POWER SUPPLY	CONTROLLER	15	28		
LT 1	CONTROLLER	PB. #1	15	19		
LT 1	PB. #1	PB. #2	73	71		
LT 1	PB. #3	PB. #4	68		66	
LT 1	PB. #5	PB. #6	35		33	
LT 1	PB. #7	PB. #8	74		72.0	
LT 1	PB. #9	PB. #10	66		64	
TOTAL				118	235	
USE				118	235	

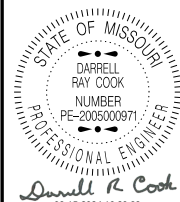
SUMMARY OF QUANTITIES
SHEET 3 OF 6

DESCRIPTION

DATE						
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



DATE PREPARED
8/14/2024

ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 3

COUNTY
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

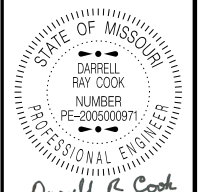
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

CABLE						
SHEET	FROM	TO	CENTER TO CENTER FT.	#2 AWG 1 CONDUCTOR FT.	#8 AWG 1 CONDUCTOR FT.	REMARKS
LT1	POWER SUPPLY	CONTROLLER	15	93		
CIRCUIT 1						
LT1	CONTROLLER	PB. #1	15		87	
LT1	PB. #1	PB. #2	73		237	
CIRCUIT 2						
LT1	CONTROLLER	PB. #1	15		87	
LT1	PB. #1	PB. #2	73		237	
LT1	PB. #3	PB. #4	68		222	
LT1	PB. #5	PB. #6	36		126	
CIRCUIT 3						
LT1	CONTROLLER	PB. #1	15		87	
LT1	PB. #1	PB. #2	73		237	
LT1	PB. #7	PB. #8	74		240	
CIRCUIT 4						
LT1	CONTROLLER	PB. #1	15		87	
LT1	PB. #1	PB. #2	73		237	
LT1	PB. #7	PB. #8	74		240	
LT1	PB. #9	PB. #10	66		72	
N.A.	N.A.	N.A.	685	5	34	5% OF TOTAL FOR SNAKING
			TOTAL	98	2230	
			USE	100	2230	

CABLE CONDUIT						
SHEET	FROM	TO	CENTER TO CENTER FT.	CABLE CONDUIT #8 AWG FT.	TYPE 1 TRENCHING FT.	REMARKS
CIRCUIT 1						
LT1	PB. #2	LT. #1	74	85	73	
LT1	PB. #2	LT. #2	66	77	65	
LT1	LT. #2	LT. #3	180	190	180	
CIRCUIT 2						
LT1	PB. #2	PB. #3	156	162	154	
LT1	PB. #4	LT. #5	158	169	157	
LT1	PB. #4	LT. #6	30	41	29	
LT1	LT. #6	PB. #5	113	124	112	
LT1	PB. #6	LT. #7	99	104	98	
CIRCUIT 3						
LT1	PB. #2	PB. #7	103	109	101	
LT1	PB. #8	LT. #8	183	188	182	
LT1	LT. #8	LT. #9	269	279	269	
CIRCUIT 4						
LT1	PB. #2	PB. #7	103	109	101	
LT1	PB. #8	PB. #9	358	364	356	
LT1	PB. #10	LT. #10	98	103	97	
LT1	LT. #10	LT. #11	194	204	194	
LT1	LT. #11	LT. #12	186	196	186	
LT1	LT. #12	LT. #13	182	192	182	
N.A.	N.A.	N.A.	2552	127.6		5% OF TOTAL FOR SNAKING
			TOTAL	2823.6	2536	
			USE	2820	2536	

PAVEMENT MARKING														
ROUTE	STATION	LOCATION	TO	ROUTE	STATION	LOCATION	WATERBORNE PAINT, TYPE L BEADS			PREFORMED THERMOPLASTIC MARKING				REMARKS
							4" SOLID YELLOW LF	6" SOLID YELLOW LF	6" SOLID WHITE LF	24" WHITE LF	24" YELLOW LF	MID-BLOCK EA	YIELD TRIANGLES EA	
13	100+17.00	CL	-	13	101+17.00	CL	200.0							BEGIN TO SPLIT 4" DSY CENTER LINE ON THE NORTH LEG
13	100+17.00	LF 14.33'	-	13	105+07.97	LF 19.29'			491.0					LF EOP FROM BEGIN TO SPLIT ON NORTH LEG
13	100+17.00	RT 12.82'	-	13	107+73.18	RT 11.78'			759.4					RT EOP FROM BEGIN TO SPLIT ON NORTH LEG
13	101+80.11	CL	-	13	103+79.88	CL						36.8		YELLOW HASH MARKS BEFORE THE ISLAND ON THE NORTH LEG
13	101+17.00	CL	-	13	103+87.27	LF 4.67'	540.5							LF DSY BEFORE THE ISLAND ON THE NORTH LEG
13	101+17.00	CL	-	13	103+86.99	RT 4.29'	540.5							RT DSY BEFORE THE ISLAND ON THE NORTH LEG
13	103+87.27	LF 4.67'	-	13	108+53.76	LF 33.11'			470.1					LF SY 6" OUTLINING THE ISLAND ON THE NORTH LEG
13	103+86.99	RT 5.79'	-	13	108+48.93	RT 8.81'			465.0					RT SY 6" OUTLINING THE ISLAND ON THE NORTH LEG
13	103+84.52	CL	-	13	108+47.67	CL	2865.8							ISLAND STRIPING (MULTIPLIED BY 3) ON THE NORTH LEG
13	108+53.76	LF 32.78'	-	13	108+48.93	RT 8.86'			41.2					ISLAND END 6" SW OUTLINING ON THE NORTH LEG
13	105+08.15	LF 19.28'	-	13	108+49.75	LF 53.62'			413.4	50.9				LF TWO 6" SW WITH HASH MARKS BETWEEN ON THE NORTH LEG
13	107+73.20	RT 11.78'	-	13	108+37.67	RT 18.92'			126.6	18.0				RT TWO 6" SW WITH HASH MARKS BETWEEN ON THE NORTH LEG
13	108+37.67	RT 18.92'	-	13	108+44.03	RT 6.56'							8	YIELD TRIANGLES ON THE NORTH LEG
13	108+49.03	RT 9.57'	-	13	108+61.01	RT 50.23'								6" WDW ON THE NORTH LEG
13	108+35.53	RT 25.35'	-	13	108+80.04	RT 87.38'			78.4					NORTH LEG TO WEST LEG RADIUS 6" SW OUTSIDE EOP
13	108+49.97	LF 53.38'	-	13	109+63.86	LF 127.24'			145.1					NORTH LEG TO EAST LEG RADIUS 6" SW OUTSIDE EOP
160-70	34+47.62	RT 68.57'	-	160-70	37+14.24	RT 19.00'			513.1	50.6				RT TWO 6" SW WITH HASH MARKS BETWEEN ON THE WEST LEG
160-70	34+36.70	LF 18.39'	-	160-70	35+59.51	LF 18.06'			261.5	21.1				LF TWO 6" SW WITH HASH MARKS BETWEEN ON THE WEST LEG
160-70	34+10.77	LF 40.86'	-	160-70	34+29.86	LF 5.83'			15.9					6" WDW ON THE WEST LEG
160-70	34+36.76	LF 17.86'	-	160-70	34+35.22	LF 5.02'							8	YIELD TRIANGLES ON THE WEST LEG
160-70	35+59.54	LF 18.00'	-	160-70	40+00.00	LF 20.83'			436.1					LF EOP FROM SPLIT TO END ON THE WEST LEG
160-70	37+14.24	RT 18.97'	-	160-70	40+00.00	RT 12.14'			290.0					RT EOP FROM SPLIT TO END ON THE WEST LEG
160-70	34+29.86	LF 5.37'	-	160-70	37+14.74	LF 2.97'				287.4				LF SY 6" OUTLINING THE ISLAND ON THE WEST LEG
160-70	34+41.39	RT 43.40'	-	160-70	37+13.82	RT 7.00'				272.0				RT SY 6" OUTLINING THE ISLAND ON THE WEST LEG
160-70	37+14.74	LF 2.97'	-	160-70	38+16.03	CL	202.1							LF DSY AFTER THE ISLAND ON THE WEST LEG
160-70	37+13.82	RT 7.00'	-	160-70	38+16.03	CL	203.4							RT DSY AFTER THE ISLAND ON THE WEST LEG
160-70	37+14.74	CL	-	160-70	37+81.63	CL					41.3			YELLOW HASH MARKS AFTER THE ISLAND ON THE WEST LEG
160-70	38+16.03	CL	-	160-70	40+00.00	CL	367.7							SPLIT TO END 4" DSY CENTER LINE ON THE WEST LEG
160-70	34+34.41	CL	-	160-70	37+17.19	CL	973.1							ISLAND STRIPING (MULTIPLIED BY 3) ON THE WEST LEG
160-70	34+30.29	LF 4.32'	-	160-70	34+41.12	RT 43.63'			50.5					ISLAND END 6" SW OUTLINING ON THE WEST LEG
160-70	34+43.30	LF 25.48'	-	160-70	33+62.10	LF 94.62'			122.9					WEST LEG TO SOUTH LEG RADIUS 6" SW OUTSIDE EOP
160	207+60.11	LF 33.04'	-	160	209+23.95	LF 21.03'			370.5	23.7				LF TWO 6" SW WITH HASH MARKS BETWEEN ON THE EAST LEG
160	207+31.67	RT 38.29'	-	160	208+51.41	RT 18.00'			233.3	26.9				RT TWO 6" SW WITH HASH MARKS BETWEEN ON THE EAST LEG
160	207+49.69	LF 29.58'	-	160	207+42.86	LF 18.64'							8	YIELD TRIANGLES ON THE EAST LEG
160	207+28.62	LF 63.86'	-	160	207+38.64	LF 21.58'			15.9					6" WDW ON THE EAST LEG
160	207+38.64	LF 21.58'	-	160	207+33.56	RT 11.29'			33.1					ISLAND END 6" SW OUTLINING ON THE EAST LEG
160	207+37.94	LF 21.42'	-	160	209+89.58	LF 5.99'				177.4				LF SY 6" OUTLINING THE ISLAND ON THE EAST LEG
160	207+33.56	RT 11.29'	-	160	209+89.31	RT 4.13'				174.5				RT SY 6" ONTLINING THE ISLAND ON THE EAST LEG
160	207+39.27	CL	-	160	209+92.31	CL	1066.7							ISLAND STRIPING (MULTIPLIED BY 3) ON THE EAST LEG
160	209+89.70	LF 6.01'	-	160	211+15.23	CL	251.1							LF DSY AFTER THE ISLAND ON THE EAST LEG
160	209+89.32	RT 4.00'	-	160	211+15.23	CL	251.3							RT DSY AFTER THE ISLAND ON THE EAST LEG
160	211+15.20	CL	-	160	211+82.61	CL	135.2							SPLIT TO END 4" DSY CENTER LINE ON THE EAST LEG
160	209+24.25	LF 21.01'	-	160	211+82.61	LF 10.23'			262.3					LF EOP FROM SPLIT TO END ON THE EAST LEG
160	208+51.49	RT 18.00'	-	160	211+82.61	RT 11.25'			331.8					RT EOP FROM SPLIT TO END ON THE EAST LEG
160	209+89.66	CL	-	160	210+77.03	CL					22.2			YELLOW HASH MARKS AFTER THE ISLAND ON THE EAST LEG
160	207+31.53	RT 38.11'	-	160	206+73.57	RT 98.42'			84.5					EAST LEG TO SOUTH LEG RADIUS 6" SW OUTSIDE EOP
13	110+68.24	LF 8.28'	-	13	110+60.22	RT 43.25'			52.7					ISLAND END 6" SW OUTLING ON THE SOUTH LEG
13	110+68.24	LF 8.28'	-	13	110+54.44	LF 53.22'			15.9					6" WDW ON THE SOUTH LEG
13	110+73.30	LF 6.18'	-	13	110+79.17	LF 17.65'							8	YIELD TRIANGLES ON THE SOUTH LEG
13	110+63.95	RT 63.62'	-	13	113+67.25	RT 18.97'			601.0	40.7				RT TWO 6" SW WITH HASH MARKS BETWEEN ON THE SOUTH LEG
13	110+79.42	LF 18.42'	-	13	111+47.69	LF 13.72'			139.5	18.5				LF TWO 6" SW WITH HASH MARKS BETWEEN ON THE SOUTH LEG
13	110+68.24	-8.30'	-	13	114+75.32	-4.42'			411.6					LF SY 6" OUTLING THE IS ISLAND ON THE SOUTH LEG
13	110+60.23	43.29'	-	13	114+74.40	5.50'			418.2					RT SY 6" OUTLINGING THE ISLAND ON THE SOUTH LEG
13	110+70.65	CL	-	13	114+77.40	CL	2587.4							ISLAND STRIPING (MULTIPLIED BY 3) ON THE SOUTH LEG
13	114+75.58	LF 4.42'	-	13	118+04.76	CL	659.6							LF DSY AFTER THE ISLAND ON THE SOUTH LEG
13	114+74.39	RT 5.00'	-	13	118+04.76	CL	660.4							RT DSY AFTER THE ISLAND ON THE SOUTH LEG
13	114+75.58	CL	-	13	117+33.12	CL					42.1			YELLOW HASH MARKS AFTER THE ISLAND ON THE SOUTH LEG
13	111+47.39	LF 13.68'	-	13	119+05.12	LF 10.84'			762.9					LF EOP FROM SPLIT TO END ON THE SOUTH LEG
13	113+67.27	RT 18.97'	-	13	119+04.84	RT 15.78'			534.2					RT EOP FROM SPLIT TO END ON THE SOUTH LEG
13	108+69.76	CL	-	13	110+46.74	CL			1030.3					6" SY OUTLINING CENTER ISLAND WITH APRON
TOTALS							11504.9	3706.4	7198.6	250.4	142.4	0	32	
USE							11505	3707	7199	251	143	0	32	

SUMMARY OF QUANTITIES
SHEET 5 OF 6



Darrell R. Cook
08-15-2024 10:20:52
DARRELL RAY COOK - CIVIL
MO-PE-2005000971

DATE PREPARED
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ROUTE
13 MO
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CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION					
DATE					

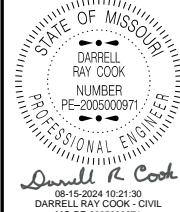
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PROJECT NOTES:
 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.

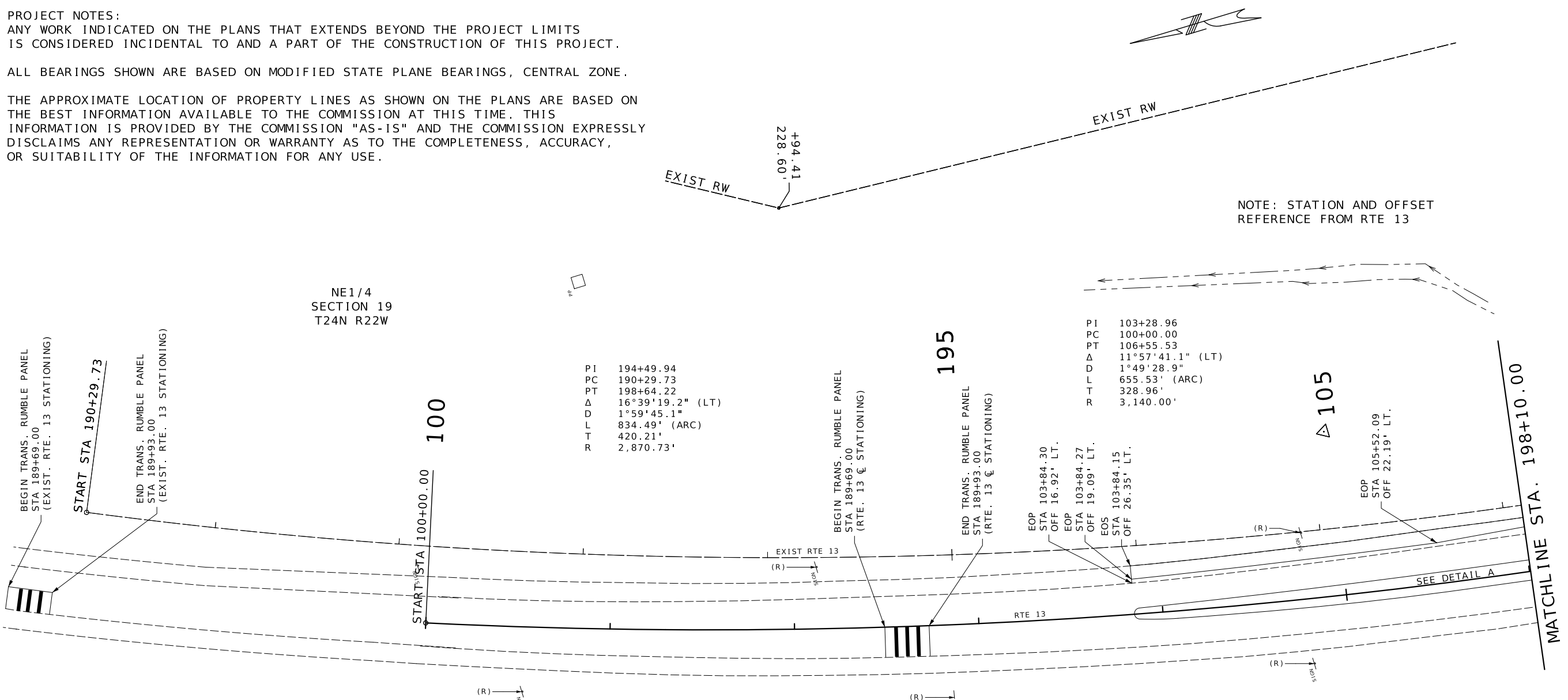
ALL BEARINGS SHOWN ARE BASED ON MODIFIED STATE PLANE BEARINGS, CENTRAL ZONE.

THE APPROXIMATE LOCATION OF PROPERTY LINES 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.



DATE PREPARED 8/14/2024	
ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 4
COUNTY STONE	
JOB NO. JSR0094	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

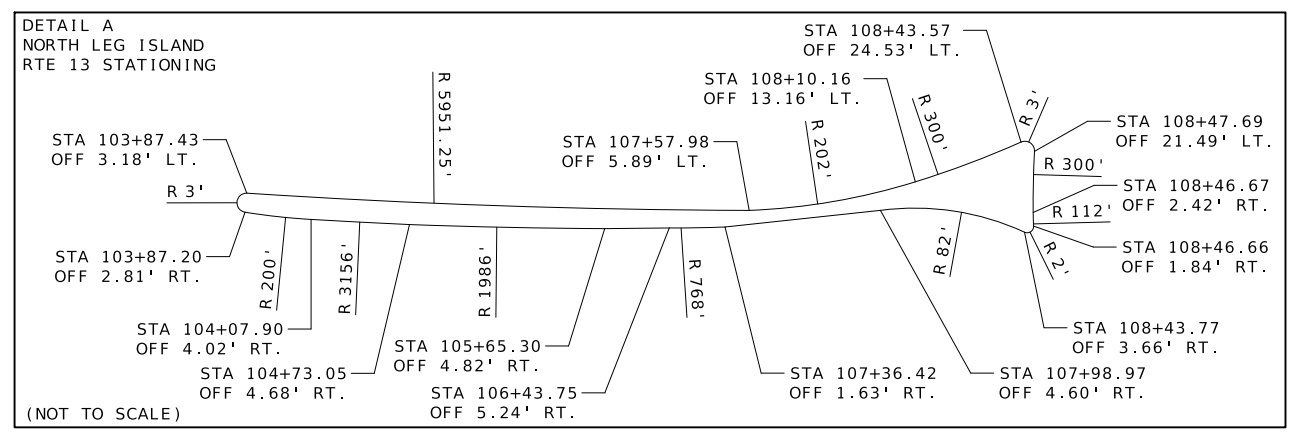
NOTE: STATION AND OFFSET REFERENCE FROM RTE 13



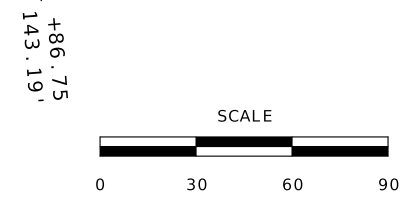
NE1/4 SECTION 19
T24N R22W

PI	194+49.94
PC	190+29.73
PT	198+64.22
Δ	16°39'19.2" (LT)
D	1°59'45.1"
L	834.49' (ARC)
T	420.21'
R	2,870.73'

PI	103+28.96
PC	100+00.00
PT	106+55.53
Δ	11°57'41.1" (LT)
D	1°49'28.9"
L	655.53' (ARC)
T	328.96'
R	3,140.00'



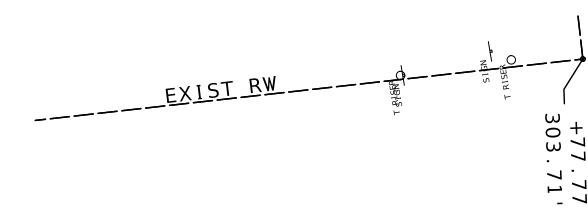
NE1/4 SECTION 19
T24N R22W



DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



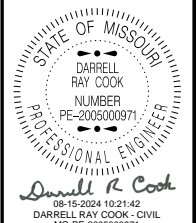
NE1/4
SECTION 19
T24N R22W

PI 208+82.31
PC 208+04.31
PT 209+56.11
 Δ $32^{\circ}29'16.9''$ (RT)
D $21^{\circ}24'7.9''$
L 151.80' (ARC)
T 78.00'
R 267.71'

PI 208+74.81
PC 207+43.61
PT 209+97.60
 Δ $35^{\circ}25'57.8''$ (RT)
D $13^{\circ}57'2.7''$
L 253.98' (ARC)
T 131.20'
R 410.70'

NOTE: STATION AND OFFSET REFERENCED FROM ϕ RTE 13

PI 213+84.73
PC 202+32.94
PT 224+29.31
 Δ $42^{\circ}37'8.0''$ (RT)
D $1^{\circ}56'25.5''$ (ARC)
L 2,196.37'
T 1,151.79'
R 2,952.75'



DATE PREPARED
8/14/2024

ROUTE	STATE
13	MO
DISTRICT	SHEET NO.
SW	5
COUNTY	
STONE	
JOB NO.	JSR0094
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)

MATCHLINE STA. 198+10.00

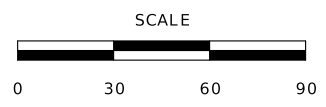
MATCHLINE STA. 206+20.00

200

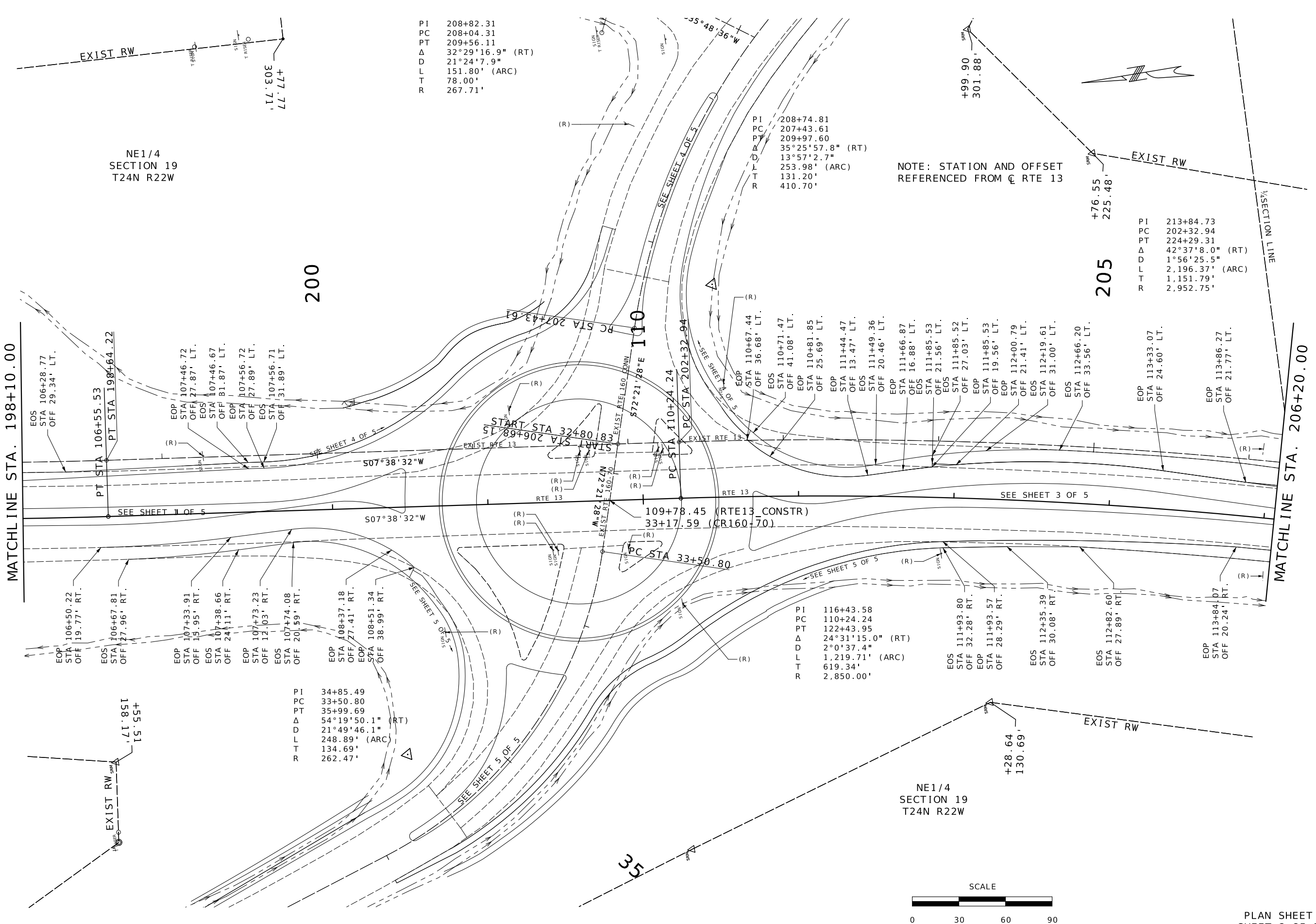
205

35

NE1/4
SECTION 19
T24N R22W



PLAN SHEET
SHEET 2 OF 5



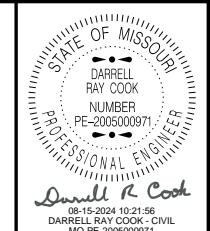
PI 34+85.49
PC 33+50.80
PT 35+99.69
 Δ $54^{\circ}19'50.1''$ (RT)
D $21^{\circ}49'46.1''$
L 248.89' (ARC)
T 134.69'
R 262.47'

PI 116+43.58
PC 110+24.24
PT 122+43.95
 Δ $24^{\circ}31'15.0''$ (RT)
D $2^{\circ}0'37.4''$
L 1,219.71' (ARC)
T 619.34'
R 2,850.00'

PI 111+93.80
PC 111+93.57
PT 111+93.57
 Δ $2^{\circ}0'37.4''$
D $2^{\circ}0'37.4''$
L 1,219.71' (ARC)
T 619.34'
R 2,850.00'

PI 112+35.39
PC 112+35.39
PT 112+35.39
 Δ $2^{\circ}0'37.4''$
D $2^{\circ}0'37.4''$
L 1,219.71' (ARC)
T 619.34'
R 2,850.00'

PI 113+84.07
PC 113+84.07
PT 113+84.07
 Δ $2^{\circ}0'37.4''$
D $2^{\circ}0'37.4''$
L 1,219.71' (ARC)
T 619.34'
R 2,850.00'



Darrell R. Cook
08-15-2024 10:21:56
DARRELL RAY COOK - CIVIL
MO-PE-2005000971

DATE PREPARED
8/14/2024

ROUTE 13 STATE MO

DISTRICT SW SHEET NO. 6

COUNTY STONE

JOB NO. JSR0094

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MO DOT

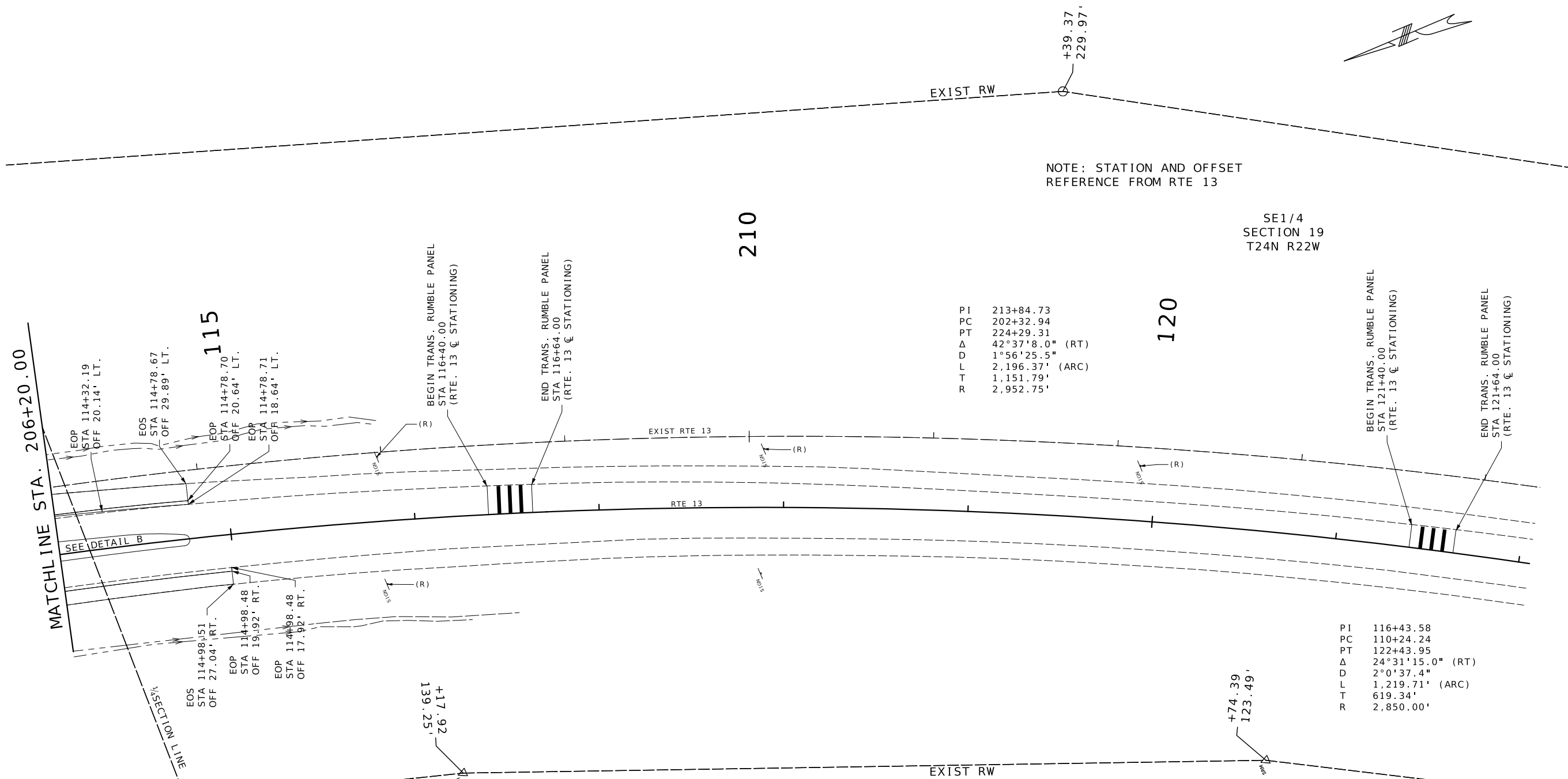
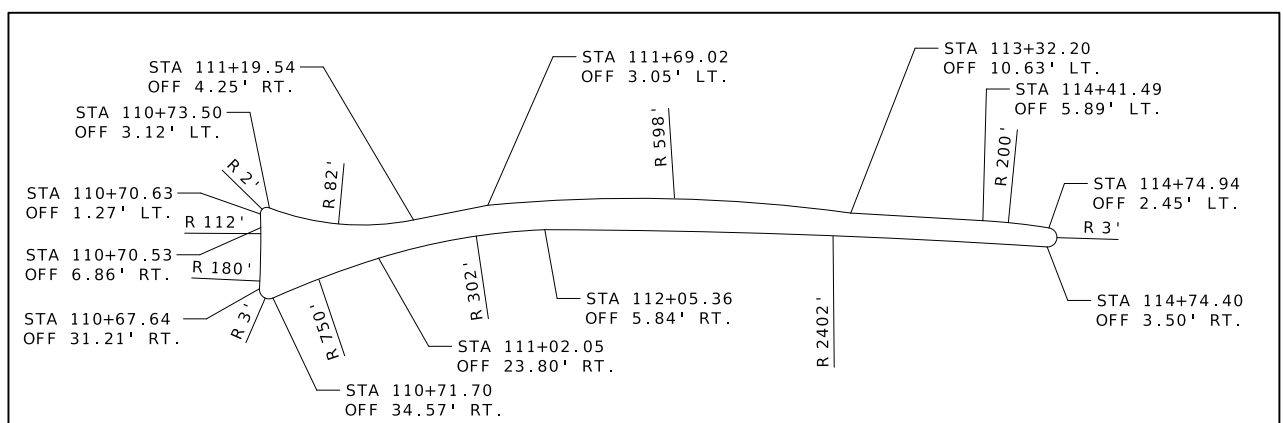
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

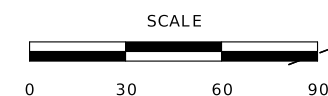
JEFFERSON CITY, MO 65102

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

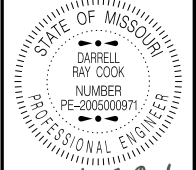
MATCHLINE STA. 206+20.00



NOTE: STATION AND OFFSET REFERENCE FROM RTE 13



PLAN SHEET SHEET 3 OF 5



Darrell R. Cook
 08-15-2024 10:22:10
 DARRELL RAY COOK - CIVIL
 MO-PE-2005000971

DATE PREPARED
8/14/2024

ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 7

COUNTY
STONE

JOB NO.
JSR0094

CONTRACT ID.

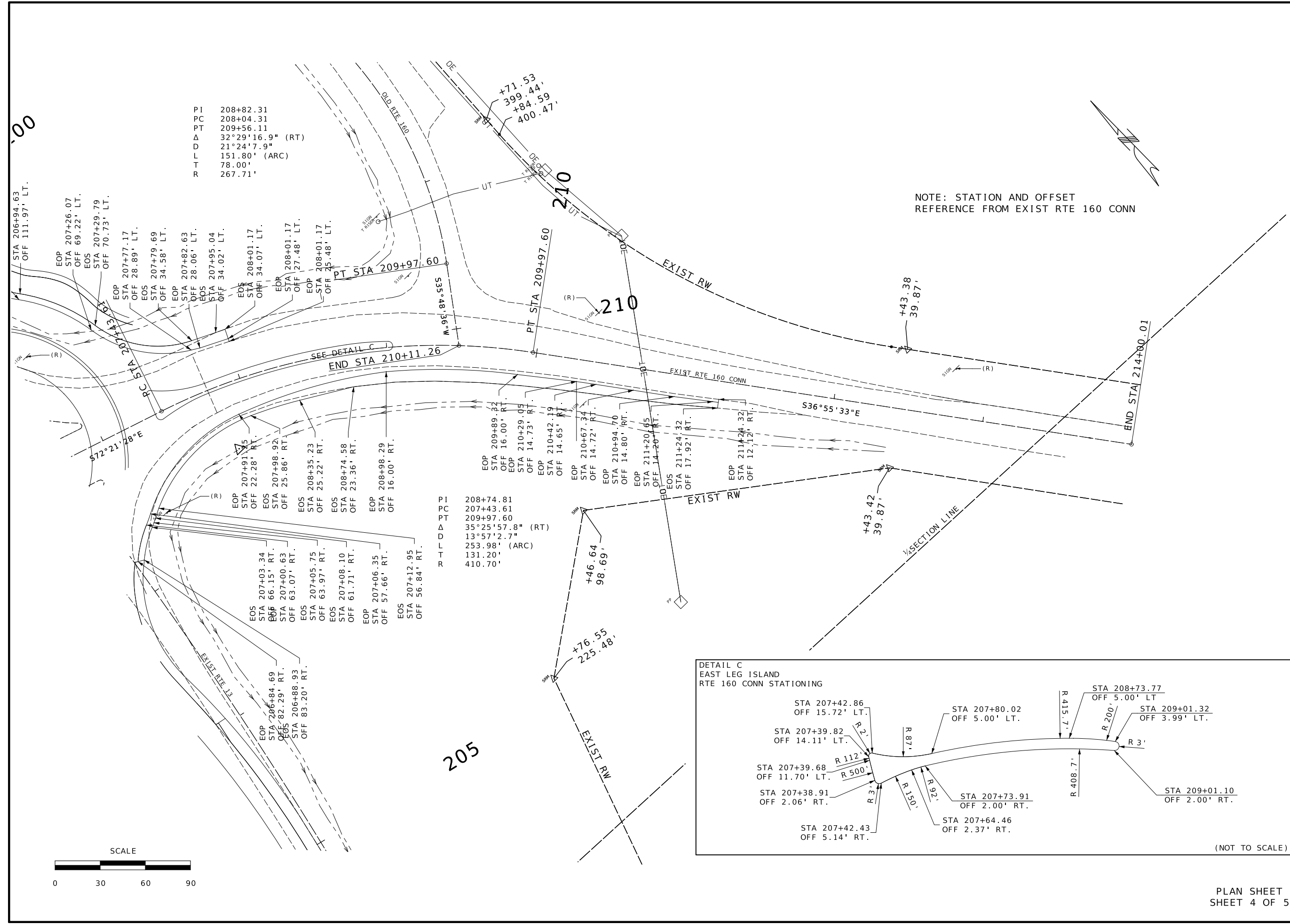
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

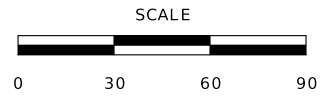
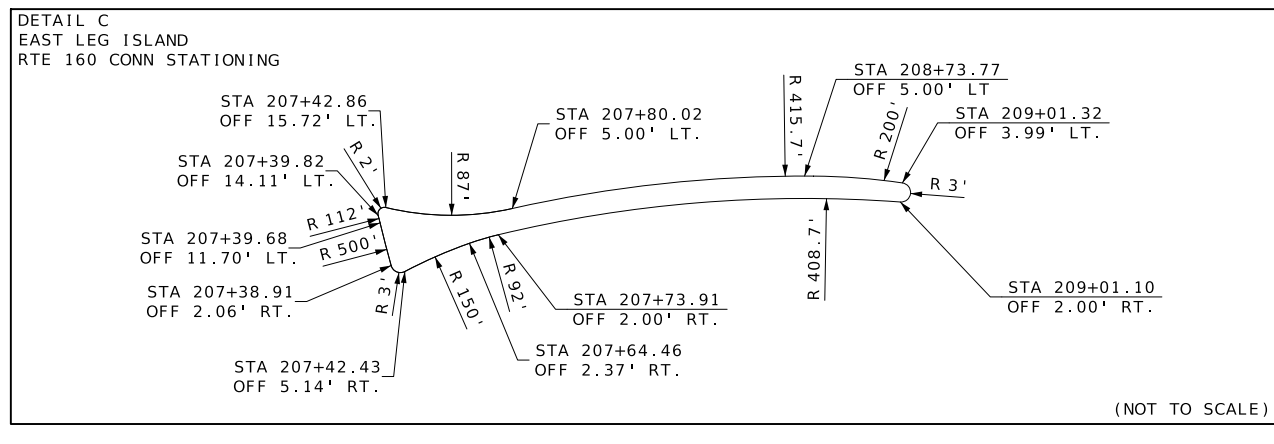
105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

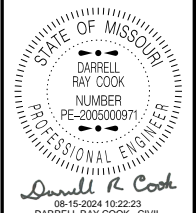


NOTE: STATION AND OFFSET
 REFERENCE FROM EXIST RTE 160 CONN

PI 208+82.31
 PC 208+04.31
 PT 209+56.11
 Δ 32°29'16.9" (RT)
 D 21°24'7.9"
 L 151.80' (ARC)
 T 78.00'
 R 267.71'

PI 208+74.81
 PC 207+43.61
 PT 209+97.60
 Δ 35°25'57.8" (RT)
 D 13°57'2.7"
 L 253.98' (ARC)
 T 131.20'
 R 410.70'





DATE PREPARED
8/14/2024

ROUTE 13 STATE MO

DISTRICT SW SHEET NO. 8

COUNTY STONE

JOB NO. JSR0094

CONTRACT ID.

PROJECT NO.

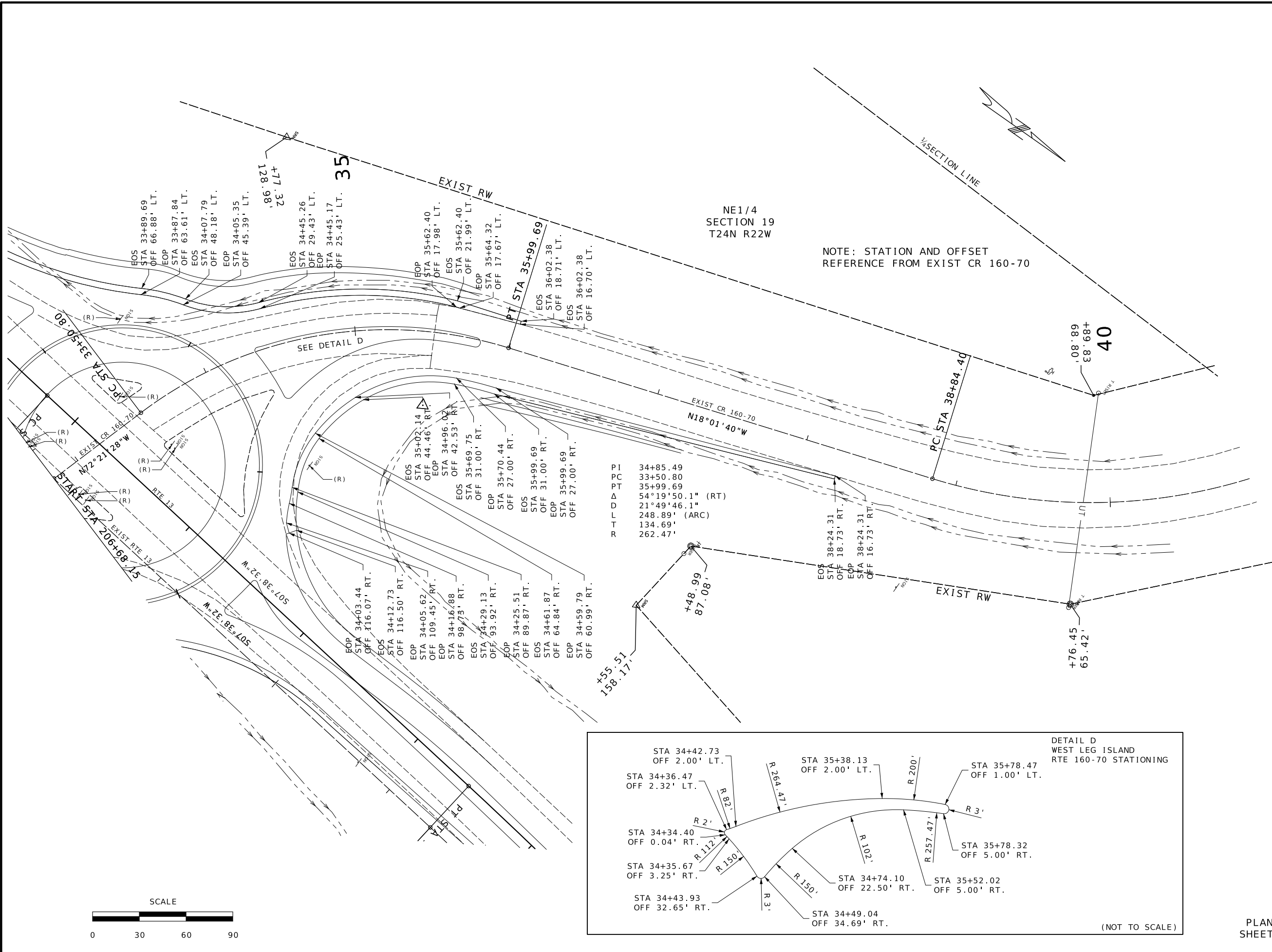
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

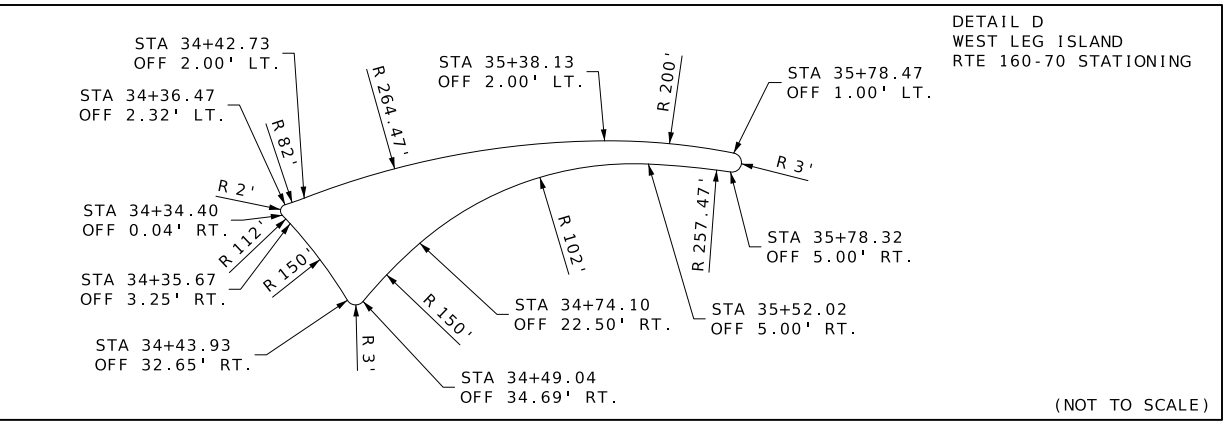
MoDOT

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



NOTE: STATION AND OFFSET REFERENCE FROM EXIST CR 160-70

PI	34+85.49
PC	33+50.80
PT	35+99.69
Δ	54°19'50.1" (RT)
L	21°49'46.1"
R	248.89' (ARC)
D	134.69'
R	262.47'



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
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88
GEOID MODEL	Geoid 18
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.00006110

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	Missouri State Plane
CONTROL STATION	MoDOT GNSS
DESIGNATION	Modot Branson Cors ARP
CORS_ID	MOBR
PID	DL6012
LATITUDE	36 42 35.20127
LONGITUDE	93 13 23.59214
NORTHING (M)	97491.1570
EASTING (M)	435384.9510
ZONE	Central
PROJECT AVERAGE GRID FACTOR	0.99993890

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

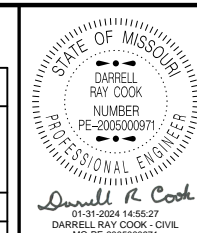
EXAMPLE: CONTROL POINT #1
 N 341301.3636 X .99993890 = N 341280.5101
 E 1391418.1910 X .99993890 = E 1391333.1750

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								
5	35+48.43	CR160-70	47.35	341301.3636	1391418.1910	1415.2780	CONTROL POINT #1 - 5/8" REBAR	
5	207+82.70	RTE. 160	43.80	341058.2822	1391684.4396	1418.4900	CONTROL POINT #2 - 5/8" REBAR	
4	197+07.71	RTE. 13	-52.76	341606.0320	1391713.7332	1419.9982	CONTROL POINT #3 - 5/8" REBAR	
ALIGNMENTS								
EXISTING ROUTE 13								
	190+29.73	EX. RTE. 13	C/L	342260.8765	1391865.6581		BEGIN ALIGNMENT, PC CURVE	
	194+49.94	EX. RTE. 13	C/L	341877.8880	1391692.7524		PI CURVE Δ = 16° 39' 36" LEFT	
				341079.6443	1394482.1025		CC CURVE	
	198+64.22	EX. RTE. 13	C/L	341461.4102	1391636.8704		PT CURVE	
	202+32.94	EX. RTE. 13	C/L	341095.9810	1391587.8370		PC CURVE	
	213+84.73	EX. RTE. 13	C/L	339954.4217	1391434.6621		PI CURVE Δ = 42° 37' 02" RIGHT	
				341488.6629	1388661.3146		CC CURVE	
	224+29.31	EX. RTE. 13	C/L	339218.0956	1390548.9736		END ALIGNMENT, PT CURVE	
EXISTING C/L CR160-70 / DOGWOOD ROAD								
	32+80.83	CR160-70	C/L	341135.0376	1391593.0776		BEGIN ALIGNMENT	
	33+50.80	CR160-70	C/L	341156.2441	1391526.3972		PC CURVE	
	34+85.49	CR160-70	C/L	341197.0642	1391398.0428		PI CURVE Δ = 54° 19' 48" RIGHT	
				341406.3694	1391605.9450		CC CURVE	
	35+99.69	CR160-70	C/L	341325.1424	1391356.3600		PT CURVE	
	38+84.40	CR160-70	C/L	341595.8752	1391268.2490		PC CURVE	
	41+73.82	CR160-70	C/L	341871.0865	1391178.6802		PI CURVE Δ = 80° 04' 12" LEFT	
				341489.2635	1390940.6711		CC CURVE	
	43+65.82	CR160-70	C/L	341830.3187	1390892.1461		PT CURVE	
	44+27.48	CR160-70	C/L	341821.6332	1390831.1006		END ALIGNMENT	
EXISTING C/L ROUTE 160								
	206+68.15	RTE 160	C/L	341135.0376	1391593.0776		BEGIN ALIGNMENT	
	207+43.61	RTE. 160	C/L	341112.1677	1391664.9885		PC CURVE	
	208+74.81	RTE. 160	C/L	341072.4051	1391790.0183		PI CURVE Δ = 35° 25' 08" RIGHT	
				340720.7833	1391540.5187		CC CURVE	
	209+97.60	RTE. 160	C/L	340967.5211	1391868.8400		PT CURVE	
	214+00.01	RTE. 160	C/L	340645.8286	1392110.5996		END ALIGNMENT	
EXISTING C/L SIDE ROAD CONNECTION TO ROUTE 160								
	205+50.00	CONN	C/L	341444.9209	1391933.9711		BEGIN ALIGNMENT	
	208+04.31	CONN	C/L	341191.0383	1391919.2341		PC CURVE	
	208+82.31	CONN	C/L	341113.1694	1391914.7141		PI CURVE Δ = 32° 29' 24" RIGHT	
				341206.5518	1391651.9740		CC CURVE	
	209+56.11	CONN	C/L	341049.9144	1391869.0762		PT CURVE	
	210+11.26	CONN	C/L	341005.1900	1391836.8079		END ALIGNMENT	
C/L ROUTE 13 CONSTRUCTION ALIGNMENT								
	100+00.00	RTE. 13	C/L	342102.1598	1391755.1107		PC CURVE	
	103+28.96	RTE. 13	C/L	341792.2693	1391644.7408		PI CURVE Δ = 11° 57' 36" LEFT	
				341048.6487	1394713.1023		CC CURVE	
	106+55.53	RTE. 13	C/L	341466.2328	1391600.9931		PTCURVE	
	110+24.24	RTE. 13	C/L	341100.7951	1391551.9585		PC CURVE	
	116+43.58	RTE. 13	C/L	340486.9581	1391469.5936		PI CURVE Δ = 24° 31' 12" RIGHT	
				341479.8125	1388727.2734		CC CURVE	
	122+43.95	RTE. 13	C/L	339962.6663	1391139.9001		PT CURVE	
B/L ROUNDABOUT - INSIDE EDGE OF CIRCULATORY ROADWAY								
	0+00.00	ROUNDABOUT B/L		341242.6558	1391607.5179		PC CURVE	
				341165.8031	1391560.6813		CC CURVE	
	5+65.49	ROUNDABOUT B/L		341242.6558	1391607.5179		PT CURVE	



DATE PREPARED
 1/31/2024
 ROUTE 13 STATE MO
 DISTRICT SW SHEET NO. 9

COUNTY
 STONE
 JOB NO.
 JSR0094
 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
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88
GEOID MODEL	Geoid 18
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.00006110

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	Missouri State Plane
CONTROL STATION	MoDOT GNSS
DESIGNATION	Modot Branson Cors ARP
CORS_ID	MOBR
PID	DL6012
LATITUDE	36 42 35.20127
LONGITUDE	93 13 23.59214
NORTHING (M)	97491.1570
EASTING (M)	435384.9510
ZONE	Central
PROJECT AVERAGE GRID FACTOR	0.99993890

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

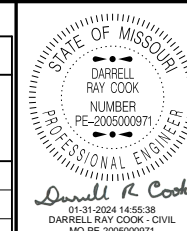
EXAMPLE: CONTROL POINT #1
 N 341301.3636 X .99993890 = N 341280.5101
 E 1391418.1910 X .99993890 = E 1391333.1750

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

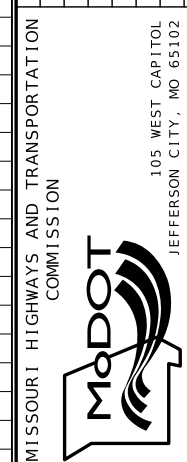
COORDINATE POINT LISTING

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)		
B/L NW QUADRANT								
	0+00.00	NW QUAD	B/L	341457.7740	1391571.6475		BEGIN ALIGNMENT	
	0+65.86	NW QUAD	B/L	341392.4786	1391563.0053		PC CURVE	
	1+10.38	NW QUAD	B/L	341348.3494	1391557.1645		PI CURVE Δ = 11° 18' 00" RIGHT	
				341451.5239	1391116.8958		CC CURVE	
	1+54.60	NW QUAD	B/L	341306.2198	1391542.7910		PCC CURVE	
	3+36.67	NW QUAD	B/L	341133.9098	1391484.0034		PI CURVE Δ = 132° 01' 48" RIGHT	
				341332.3745	1391466.1299		CC CURVE	
	3+41.26	NW QUAD	B/L	341292.9436	1391395.3753		PCC CURVE	
	3+79.08	NW QUAD	B/L	341325.9777	1391376.9657		PI CURVE Δ = 09° 36' 36" RIGHT	
				341512.0040	1391788.4562		CC CURVE	
	4+16.72	NW QUAD	B/L	341361.6210	1391364.3277		PT CURVE	
	4+72.17	NW QUAD	B/L	341413.8827	1391345.7973		PI CURVE	
	6+09.14	NW QUAD	B/L	341543.9170	1391302.7539		END ALIGNMENT	
B/L SW QUADRANT								
	0+00.00	SW QUAD	B/L	341322.5331	1391339.6423		BEGIN ALIGNMENT	
	0+42.34	SW QUAD	B/L	341282.8139	1391354.3098		PI CURVE	
	0+57.68	SW QUAD	B/L	341269.0038	1391360.9756		PC CURVE	
	0+91.73	SW QUAD	B/L	341238.3387	1391375.7767		PI CURVE Δ = 19° 19' 12" LEFT	
				341355.9410	1391541.0920		CC CURVE	
	1+25.13	SW QUAD	B/L	341214.2992	1391399.8914		PCC CURVE	
	1+69.16	SW QUAD	B/L	341183.2160	1391431.0717		PI CURVE Δ = 04° 28' 48" LEFT	
				342011.0344	1392194.1445		CC CURVE	
	2+13.14	SW QUAD	B/L	341154.6647	1391464.5858		PRC CURVE	
	2+41.76	SW QUAD	B/L	341136.1009	1391486.3763		PI CURVE Δ = 31° 57' 00" RIGHT	
				341078.5429	1391399.7361		CC CURVE	
	2+68.90	SW QUAD	B/L	341108.8185	1391495.0430		PCC CURVE	
	2+94.61	SW QUAD	B/L	341084.3110	1391502.8281		PI CURVE Δ = 13° 29' 24" RIGHT	
				341042.9819	1391287.7907		CC CURVE	
	3+20.09	SW QUAD	B/L	341058.6636	1391504.6825		PCC CURVE	
	3+74.74	SW QUAD	B/L	341004.1556	1391508.6235		PI CURVE Δ = 14° 39' 00" RIGHT	
				341028.0152	1391080.7890		CC CURVE	
	4+28.79	SW QUAD	B/L	340950.4238	1391498.6461		PCC CURVE	
	5+85.66	SW QUAD	B/L	340796.1919	1391470.0070		PI CURVE Δ = 06° 24' 36" RIGHT	
				341461.6143	1388745.7051		CC CURVE	
	7+42.20	SW QUAD	B/L	340646.1240	1391424.3196		END ALIGNMENT, PT CURVE	
B/L NE QUADRANT								
	0+00.00	SW QUAD	B/L	341121.6489	1391733.2005		BEGIN ALIGNMENT, PC CURVE	
	0+15.68	SW QUAD	B/L	341127.8108	1391718.7850		PI CURVE Δ = 05° 58' 48" LEFT	
				340845.7934	1391615.2864		CC CURVE	
	0+31.33	SW QUAD	B/L	341132.4366	1391703.8057		PRC CURVE	
	0+56.19	SW QUAD	B/L	341139.7726	1391680.0502		PI CURVE Δ = 14° 10' 12" RIGHT	
				341323.5321	1391762.8185		CC CURVE	
	0+80.80	SW QUAD	B/L	341152.7016	1391658.8139		PCC CURVE	
	1+37.09	SW QUAD	B/L	341181.9729	1391610.7350		PI CURVE Δ = 56° 23' 24" RIGHT	
				341242.3876	1391713.4163		CC CURVE	
	1+84.14	SW QUAD	B/L	341238.2169	1391608.4992		PCC CURVE	
	2+27.19	SW QUAD	B/L	341291.2324	1391606.7892		PI CURVE Δ = 08° 57' 00" RIGHT	
				341260.0635	1392158.0651		CC CURVE	
	2+70.06	SW QUAD	B/L	341323.9901	1391611.7929		PCC CURVE	
	3+70.51	SW QUAD	B/L	341423.7606	1391623.4684		PI CURVE Δ = 02° 18' 00" RIGHT	
				340742.8389	1396577.9044		CC CURVE	
	4+70.94	SW QUAD	B/L	341522.9816	1391639.1416		PT CURVE	
	5+36.70	SW QUAD	B/L	341587.9440	1391649.4033		PC CURVE	
	6+07.63	SW QUAD	B/L	341658.0037	1391660.4701		PI CURVE Δ = 02° 19' 12" RIGHT	
				341041.8442	1395106.5372		CC CURVE	
	6+78.54	SW QUAD	B/L	341727.5574	1391674.3663		END ALIGNMENT, PT CURVE	



DATE PREPARED
 1/31/2024
 ROUTE 13 STATE MO
 DISTRICT SW SHEET NO. 10
 COUNTY STONE
 JOB NO. JSR0094
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DESCRIPTION	DATE



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
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88
GEOID MODEL	Geoid 18
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.00006110

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	Missouri State Plane
CONTROL STATION	MoDOT GNSS
DESIGNATION	Modot Branson Cors ARP
CORS_ID	MOBR
PID	DL6012
LATITUDE	36 42 35.20127
LONGITUDE	93 13 23.59214
NORTHING (M)	97491.1570
EASTING (M)	435384.9510
ZONE	Central
PROJECT AVERAGE GRID FACTOR	0.99993890

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 #1
N 341301.3636 X .99993890 = N 341280.5101
E 1391418.1910 X .99993890 = E 1391333.1750

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

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)		
B/L SE QUADRANT								
	0+00.00	SE QUAD	B/L	340648.4891	1391484.5701		BEGIN ALIGNMENT, PC CURVE	
	0+87.88	SE QUAD	B/L	340731.1165	1391514.5007		PI CURVE $\Delta = 07^{\circ} 10' 48''$ LEFT	
				341125.2999	1390168.2680		CC CURVE	
	1+75.53	SE QUAD	B/L	340816.8382	1391533.8636		PCC CURVE	
	2+43.03	SE QUAD	B/L	340882.6748	1391548.7348		PI CURVE $\Delta = 01^{\circ} 35' 24''$ LEFT	
				341885.4376	1386803.0502		CC CURVE	
	3+10.51	SE QUAD	B/L	340948.8998	1391561.7682		PRC CURVE	
	3+50.78	SE QUAD	B/L	340988.2623	1391570.2379		PI CURVE $\Delta = 04^{\circ} 30' 00''$ RIGHT	
				340733.2830	1392563.8332		CC CURVE	
	3+91.00	SE QUAD	B/L	341026.8393	1391581.7692		PCC CURVE	
	4+12.02	SE QUAD	B/L	341046.9825	1391587.7904		PI CURVE $\Delta = 31^{\circ} 19' 12''$ RIGHT	
				341005.3595	1391653.6276		CC CURVE	
	4+32.00	SE QUAD	B/L	341061.0609	1391603.4045		PCC CURVE	
	4+60.93	SE QUAD	B/L	341079.8478	1391625.4056		PI CURVE $\Delta = 39^{\circ} 45' 36''$ RIGHT	
				341000.2233	1391655.3543		CC CURVE	
	4+87.52	SE QUAD	B/L	341080.2168	1391654.3341		PT CURVE	
	4+94.59	SE QUAD	B/L	341080.3070	1391661.4073		PC CURVE	
	5+18.91	SE QUAD	B/L	341080.6171	1391685.7225		PI CURVE $\Delta = 26^{\circ} 04' 48''$ RIGHT	
				340975.3155	1391662.7462		CC CURVE	
	5+42.38	SE QUAD	B/L	341070.2064	1391707.6986		PCC CURVE	
	6+11.77	SE QUAD	B/L	341040.5008	1391770.4048		PI CURVE $\Delta = 21^{\circ} 14' 24''$ RIGHT	
				340735.8290	1391549.2949		CC CURVE	
	6+79.56	SE QUAD	B/L	340990.0938	1391818.0873		PCC CURVE	
	7+25.36	SE QUAD	B/L	340956.8236	1391849.5594		PI CURVE $\Delta = 05^{\circ} 49' 48''$ RIGHT	
				340371.6117	1391164.2679		CC CURVE	
	7+71.08	SE QUAD	B/L	340920.5305	1391877.4917		PRC CURVE	
	8+13.11	SE QUAD	B/L	340887.2223	1391903.1267		PI CURVE $\Delta = 03^{\circ} 19' 12''$ LEFT	
				341804.8997	1393026.5744		CC CURVE	
	8+55.12	SE QUAD	B/L	340855.4549	1391930.6481		END ALIGNMENT, PT CURVE	
EXISTING ROUTE 13 ALIGNMENT FOR TRAFFIC CONTROL								
	153+34.00	RTE. 13	C/L	345756.2896	1392772.2784		BEGIN ALIGNMENT, PC CURVE	
	163+06.41	RTE. 13	C/L	344812.1543	1393005.0667		PI CURVE $\Delta = 37^{\circ} 37' 48''$ RIGHT	
				345073.1202	1390001.5021		CC CURVE	
	172+08.39	RTE. 13	C/L	343922.3157	1392612.9329		PT CURVE	
	190+30.15	RTE. 13	C/L	342260.8765	1391865.6581		PC CURVE	
	194+50.36	RTE. 13	C/L	341877.8880	1391692.7524		PI CURVE $\Delta = 16^{\circ} 39' 36''$ LEFT	
				341079.6443	1394482.1025		CC CURVE	
	198+64.65	RTE. 13	C/L	341461.4102	1391636.8704		PT CURVE	
	202+33.35	RTE. 13	C/L	341095.9810	1391587.8370		PC CURVE	
	213+85.14	RTE. 13	C/L	339954.4217	1391434.6621		PI CURVE $\Delta = 42^{\circ} 37' 12''$ RIGHT	
				341488.6629	1388661.3146		CC CURVE	
	224+29.72	RTE. 13	C/L	339218.0956	1390548.9736		PCC CURVE	
	226+20.93	RTE. 13	C/L	339094.6406	1390402.9670		PI CURVE $\Delta = 00^{\circ} 53' 24''$ RIGHT	
				357952.5662	1374708.1536		CC CURVE	
	228+12.12	RTE. 13	C/L	338973.4762	1390255.0539		PCC CURVE	
	230+04.59	RTE. 13	C/L	338850.8630	1390106.6970		PI CURVE $\Delta = 08^{\circ} 31' 12''$ RIGHT	
				340964.0663	1388609.8821		CC CURVE	
	231+96.35	RTE. 13	C/L	338751.5960	1389941.8035		PCC CURVE	
	232+90.79	RTE. 13	C/L	338703.7869	1389860.3579		PI CURVE $\Delta = 00^{\circ} 32' 24''$ RIGHT	
				356109.2475	1379752.7468		CC CURVE	
	233+85.23	RTE. 13	C/L	338656.7441	1389778.4671		PCC CURVE	
	234+89.41	RTE. 13	C/L	338604.8498	1389688.1324		PI CURVE $\Delta = 04^{\circ} 46' 12''$ RIGHT	
				340824.5081	1388533.1562		CC CURVE	
	235+93.47	RTE. 13	C/L	338560.6511	1389593.7934		PCC CURVE	
	237+65.05	RTE. 13	C/L	338487.8574	1389438.4204		PI CURVE $\Delta = 00^{\circ} 55' 48''$ RIGHT	
				357678.4688	1380636.9259		CC CURVE	
	239+36.62	RTE. 13	C/L	338417.5987	1389281.8848		PT CURVE	
	244+18.45	RTE. 13	C/L	338226.5672	1388839.5385		PI CURVE	
	254+34.60	RTE. 13	C/L	337831.5872	1387903.3049		END ALIGNMENT	




Darrell R. Cook
12/31/2024 14:55:50
DARRELL RAY COOK - CIVIL
MO-PE-200500971

DATE PREPARED 1/31/2024	
ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 11
COUNTY STONE	
JOB NO. JSR0094	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	

DATE	



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	NAVD88
GEOID MODEL	Geoid 18
ELEVATIONS DETERMINED BY	GPS
PROJECT PROJECTION FACTOR	1.00006110

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	Missouri State Plane
CONTROL STATION	MoDOT GNSS
DESIGNATION	Modot Branson Cors ARP
CORS_ID	MOBR
PID	DL6012
LATITUDE	36 42 35.20127
LONGITUDE	93 13 23.59214
NORTHING (M)	97491.1570
EASTING (M)	435384.9510
ZONE	Central
PROJECT AVERAGE GRID FACTOR	0.99993890

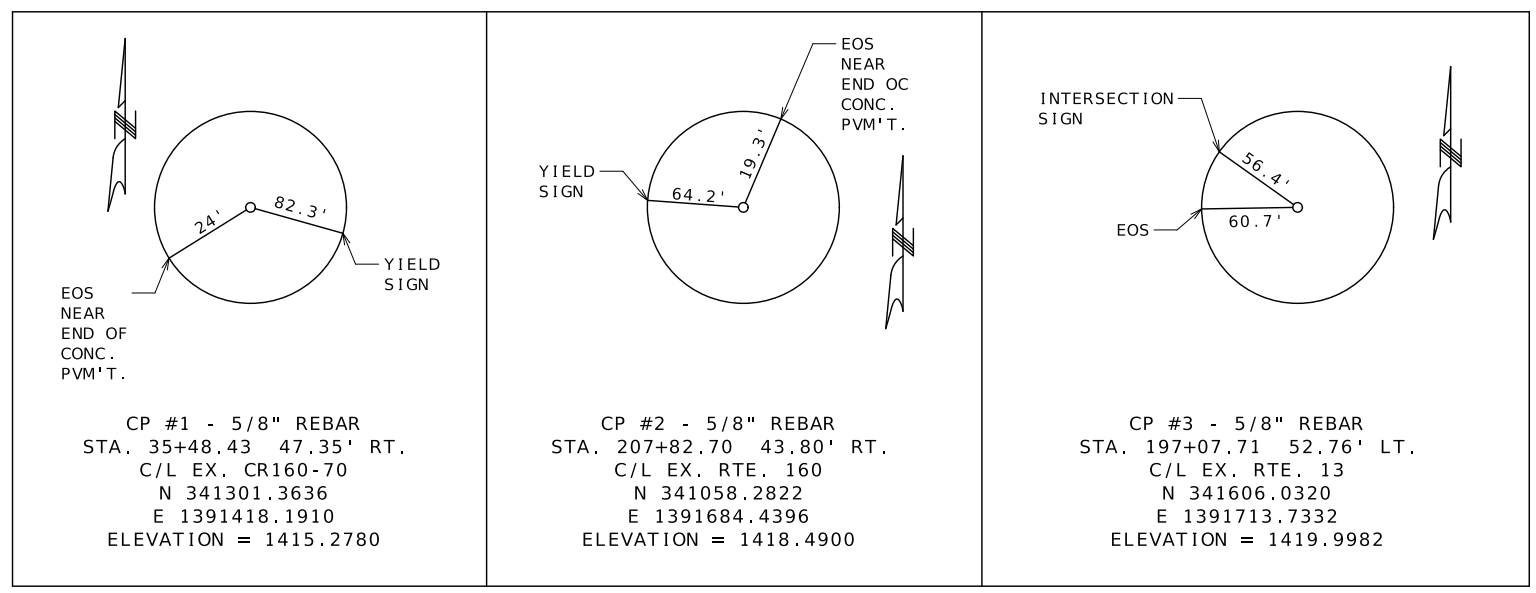
EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR = STATE PLANE NORTHING
 PROJECT EASTING X AVERAGE GRID FACTOR = STATE PLANE EASTING

EXAMPLE: CONTROL POINT #1
 N 341301.3636 X .99993890 = N 341280.5101
 E 1391418.1910 X .99993890 = E 1391333.1750

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)		
EXISTING CR160-70 / DOGWOOD ROAD ALIGNMENT FOR TRAFFIC CONTROL								
	32+80.83	CR160-70	C/L	341135.0376	1391593.0776		BEGIN ALIGNMENT	
	33+50.80	CR160-70	C/L	341156.2437	1391526.3985		PC CURVE	
	34+85.49	CR160-70	C/L	341197.0639	1391398.0437		PI CURVE Δ = 54° 19' 48" RIGHT	
				341406.3694	1391605.9450		CC CURVE	
	35+99.69	CR160-70	C/L	341325.1411	1391356.3604		PT CURVE	
	38+84.40	CR160-70	C/L	341595.8750	1391268.2491		PC CURVE	
	41+73.82	CR160-70	C/L	341871.0866	1391178.6804		PI CURVE Δ = 80° 04' 12" LEFT	
				341489.2635	1390940.6711		CC CURVE	
	43+65.82	CR160-70	C/L	341830.3187	1390892.1461		PT CURVE	
	45+96.64	CR160-70	C/L	341797.8042	1390663.6205		PC CURVE	
	47+01.05	CR160-70	C/L	341783.0969	1390560.2517		PI CURVE Δ = 79° 44' 24" RIGHT	
				341921.5579	1390646.0128		CC CURVE	
	47+70.61	CR160-70	C/L	341882.1946	1390527.3725		PT CURVE	
	48+75.00	CR160-70	C/L	341981.2675	1390494.5015		END ALIGNMENT	
EXISTING ROUTE 160 ALIGNMENT FOR TRAFFIC CONTROL								
	206+68.15	RTE 160	C/L	341135.0376	1391593.0776		BEGIN ALIGNMENT	
	207+43.61	RTE 160	C/L	341112.1677	1391664.9885		PC CURVE	
	208+74.81	RTE 160	C/L	341072.4051	1391790.0183		PI CURVE Δ = 35° 25' 48" RIGHT	
				340720.7833	1391540.5187		CC CURVE	
	209+97.59	RTE 160	C/L	340967.5211	1391868.8400		PT CURVE	
	214+00.00	RTE 160	C/L	340645.8286	1392110.5996		PI CURVE	
	217+99.08	RTE 160	C/L	340327.5375	1392351.3298		PI CURVE	
	223+96.47	RTE 160	C/L	339868.2205	1392733.3117		PC CURVE	
	226+66.37	RTE 160	C/L	339660.7086	1392905.8849		PI CURVE Δ = 39° 00' 36" LEFT	
				340355.4178	1393319.1456		CC CURVE	
	229+15.25	RTE 160	C/L	339608.0913	1393170.6001		PT CURVE	
	231+57.01	RTE 160	C/L	339560.9579	1393407.7263		PC CURVE	
	233+28.68	RTE 160	C/L	339527.4904	1393576.1000		PI CURVE Δ = 19° 42' 36" RIGHT	
				338591.8632	1393215.1000		CC CURVE	
	234+96.95	RTE 160	C/L	339439.1910	1393723.3176		END ALIGNMENT, PT CURVE	
EXISTING ROUTE 160 SIDE ROAD CONNECTION ALIGNMENT FOR TRAFFIC CONTROL								
	205+50.00	SIDE RD	C/L	341444.9209	1391933.9711		BEGIN ALIGNMENT, PC CURVE	
	208+04.31	SIDE RD	C/L	341191.0383	1391919.2341		PC CURVE	
	208+82.31	SIDE RD	C/L	341113.1694	1391914.7141		PI CURVE Δ = 32° 29' 24" RIGHT	
				341206.5518	1391651.9740		CC CURVE	
	209+56.11	SIDE RD	C/L	341049.9144	1391869.0762		PT CURVE	
	210+11.26	SIDE RD	C/L	341005.1900	1391836.8079		END ALIGNMENT	



COORDINATE POINT SHEET
 SHEET 4 OF 4

STATE OF MISSOURI
 DARRELL RAY COOK
 NUMBER PE-2005000971
 PROFESSIONAL ENGINEER

Darrell R. Cook
 DATE PREPARED 1/31/2024

ROUTE 13 STATE MO
 DISTRICT SW SHEET NO. 12

COUNTY STONE
 JOB NO. JSR0094
 CONTRACT ID.

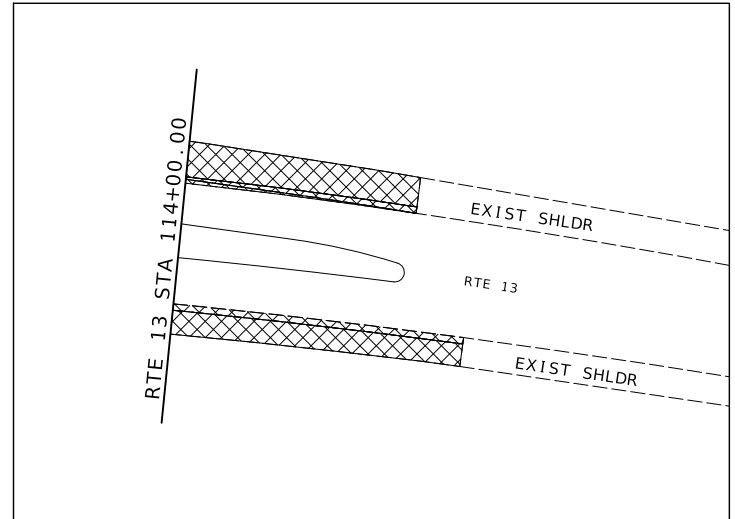
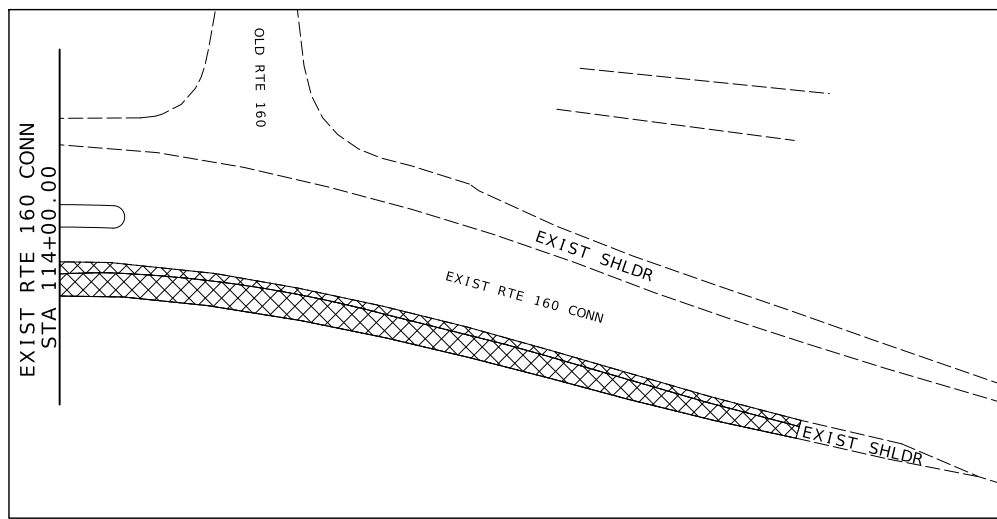
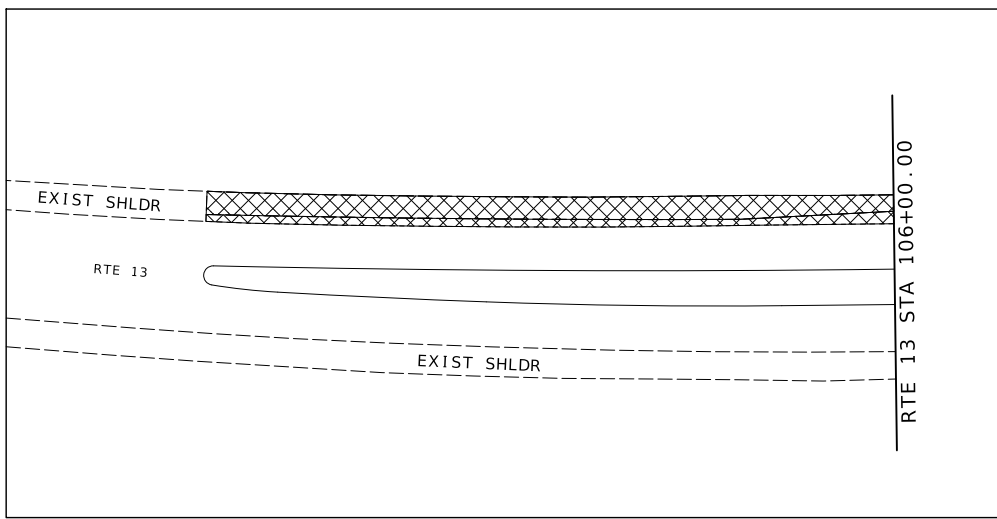
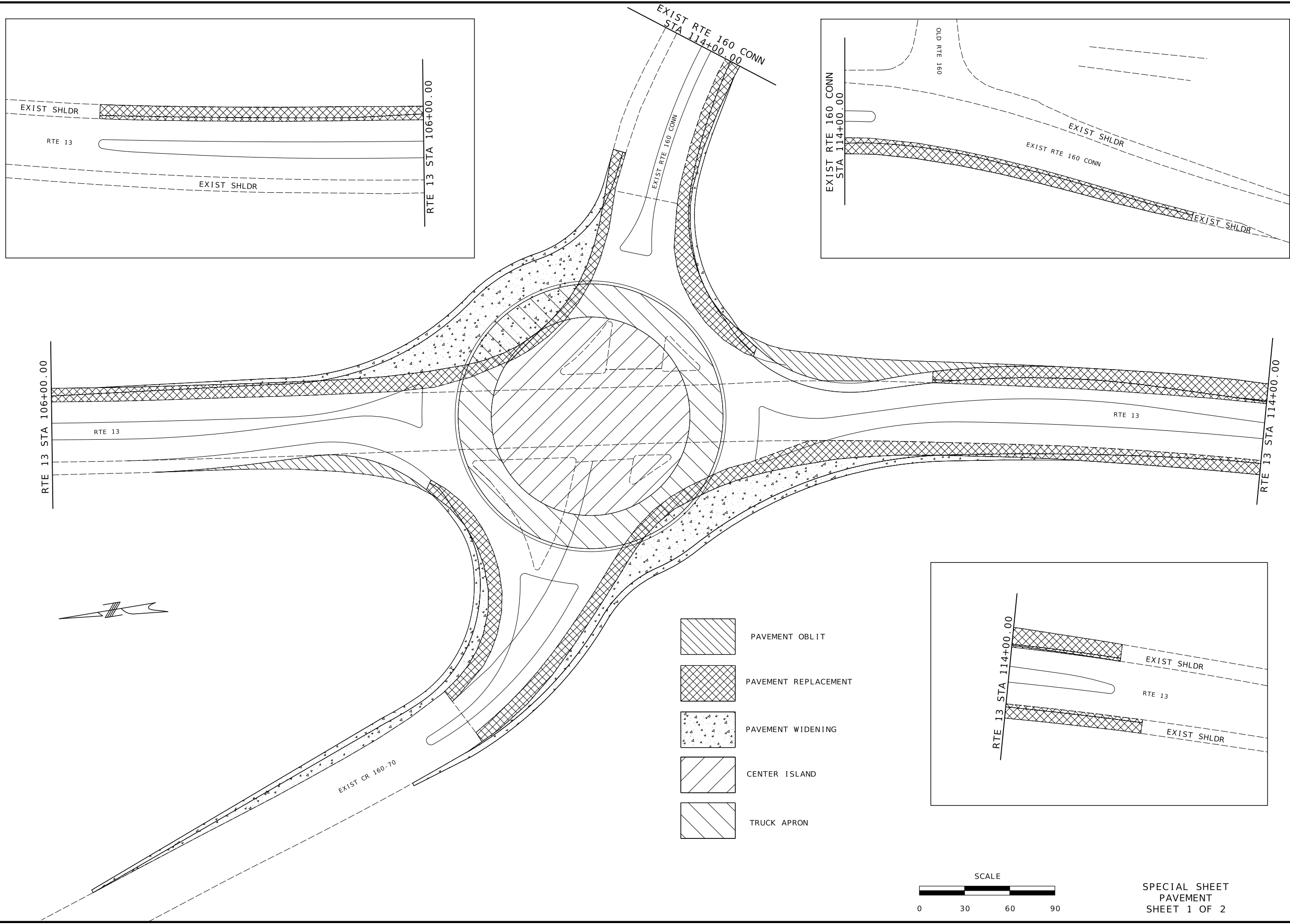
PROJECT NO.
 BRIDGE NO.

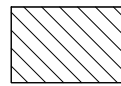
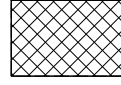
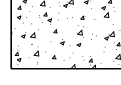

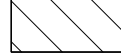
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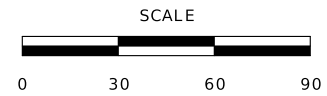
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

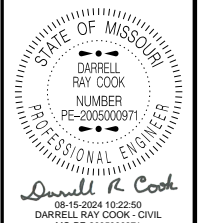
105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)



-  PAVEMENT OBLIT
-  PAVEMENT REPLACEMENT
-  PAVEMENT WIDENING
-  CENTER ISLAND
-  TRUCK APRON



SPECIAL SHEET
PAVEMENT
SHEET 1 OF 2



DATE PREPARED
8/14/2024

ROUTE 13 STATE MO

DISTRICT SW SHEET NO. 13

COUNTY
STONE

JOB NO.
JSR0094


CONTRACT ID.

PROJECT NO.

BRIDGE NO.

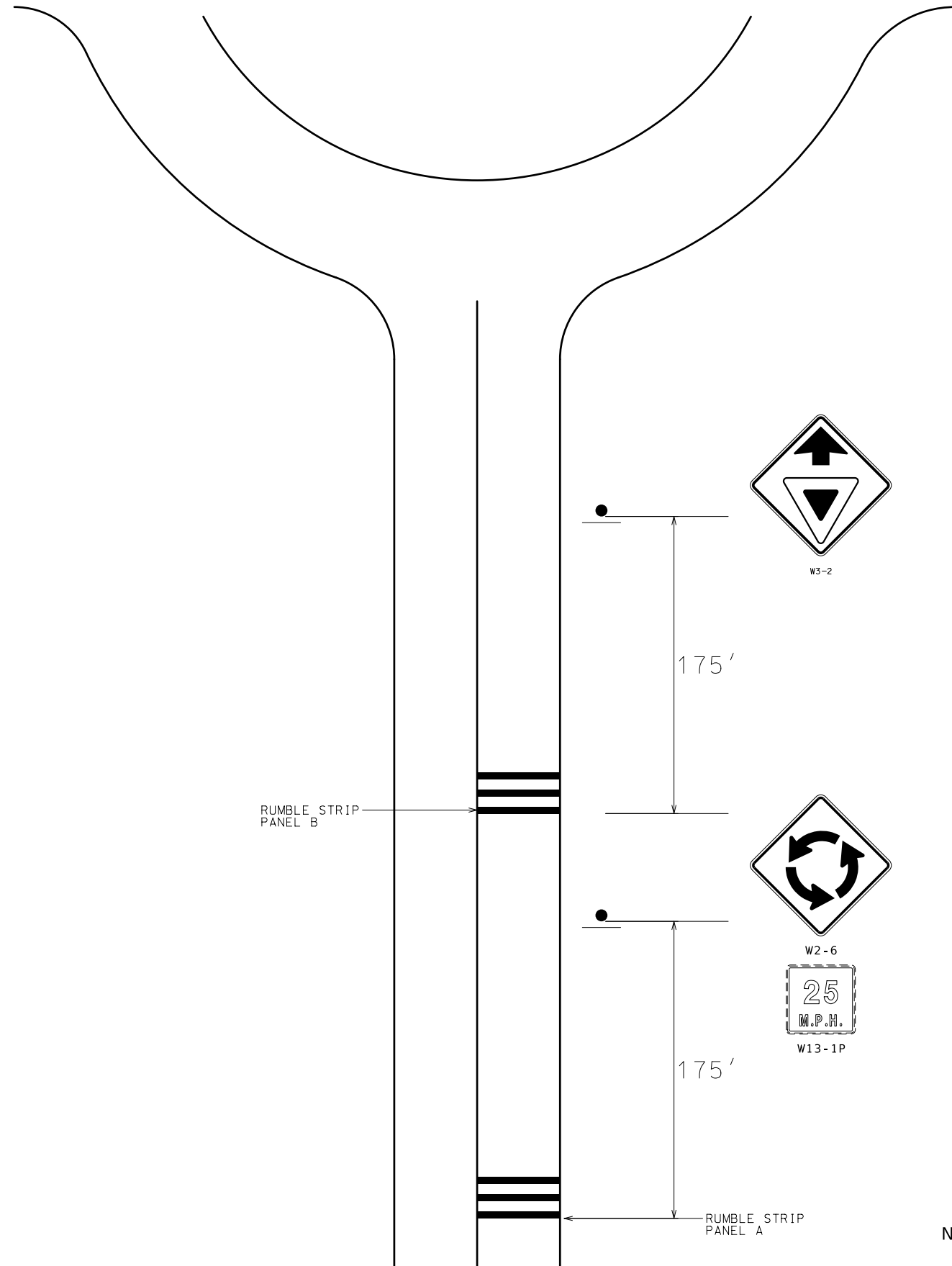
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



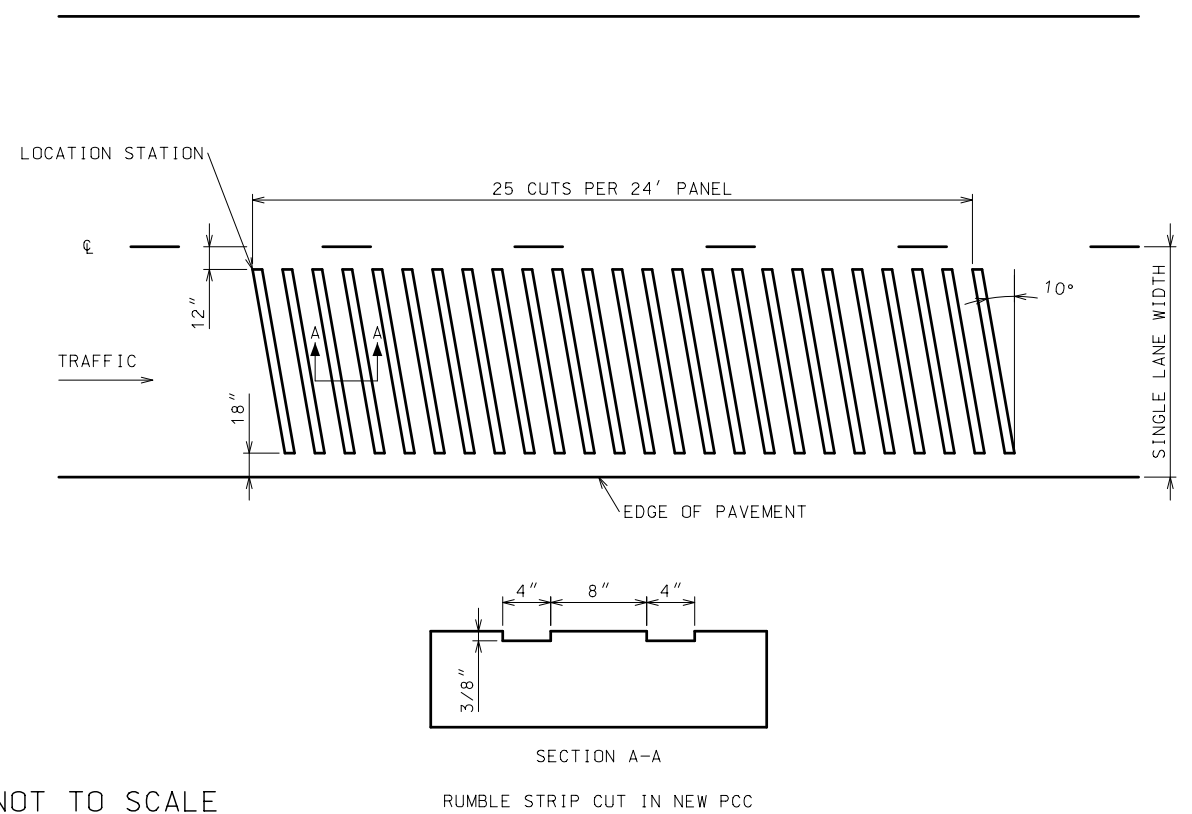
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL TRANSVERSE RUMBLE STRIP LOCATION



NOT TO SCALE

TYPICAL TRANSVERSE RUMBLE STRIP DIMENSIONS



NOT TO SCALE

TRANSVERSE RUMBLE STRIP PAVEMENT REPLACEMENT LOCATIONS

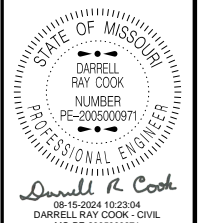
SB LANE:
 STA. 189+69.00 - STA. 189+93.00
 (STATIONING BASED ON EXIST. RTE. 160 ALIGNMENT)
 STA. 102+49.00 - STA. 102+73.00
 (STATIONING BASED ON C/L RTE. 13 ALIGNMENT)

NB LANE:
 STA. 116+40.00 - STA. 116+64.00
 STA. 121+40.00 - STA. 121+64.00
 (STATIONING BASED ON C/L RTE. 13 ALIGNMENT)

PAVEMENT DESIGN			
BASE TYPE	HMA DESIGN	PCCP DESIGN	SHOULDERS
6" TYPE 5 AGGREGATE BASE	N/A	9.5" PCCP 9.5" PCCP AT 15' JOINTS w/1.25" DOWELS	A2 OR FULL DEPTH

NOTE: SAW CUTS TO BE INCIDENTAL TO THE PROJECT UNDER THE COST FOR REMOVAL OF IMPROVEMENTS.

SPECIAL SHEET
 TRANSVERSE RUMBLE STRIPS
 SHEET 1A OF 2



DATE PREPARED
 8/14/2024

ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 13A

COUNTY
STONE

JOB NO.
JSR0094

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)

STATE OF MISSOURI
 DARRELL RAY COOK
 NUMBER
 PE-2005000971
 PROFESSIONAL ENGINEER
 Darrell R Cook
 08-15-2024 10:23:23
 DARRELL RAY COOK - CIVIL
 MO-PE-2005000971

DATE PREPARED
 8/14/2024

ROUTE STATE
 13 MO

DISTRICT SHEET NO.
 SW 14

COUNTY
 STONE

JOB NO.
 JSR0094


CONTRACT ID.

PROJECT NO.

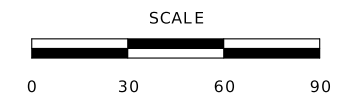
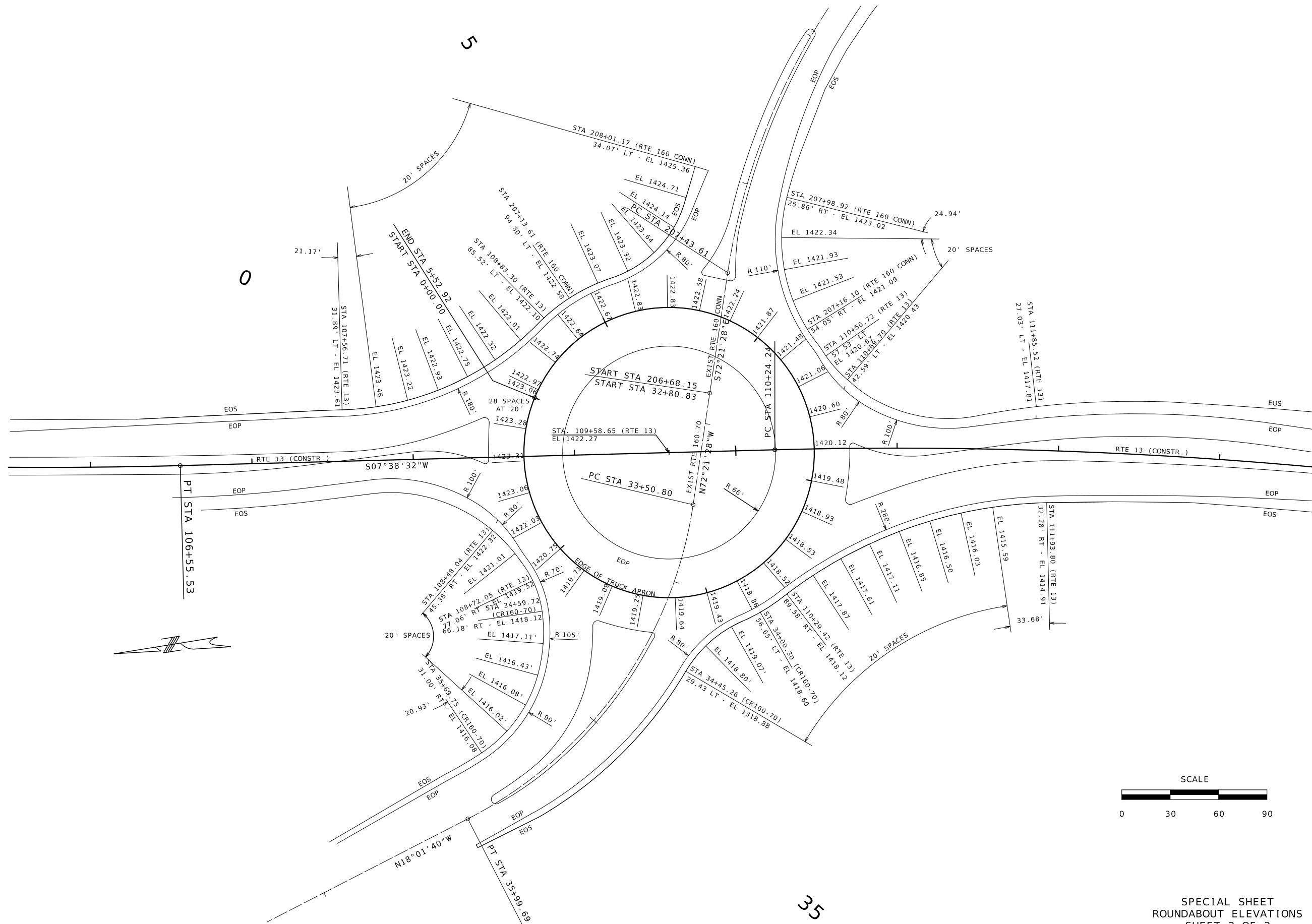
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

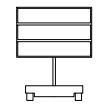


SPECIAL SHEET
 ROUNDABOUT ELEVATIONS
 SHEET 2 OF 2

0

5

35



1B

500'

1C

500'

1A

1000'

26

END OF PROJECT LIMITS; END OF WORK ZONE TERMINATION AREA, IF LOCATED BEYOND END OF PROJECT; OR LAST WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.

BEGINNING OF PROJECT LIMITS OR INITIAL WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.

NOTES:

ALL SIGNS SHOWN FOR BEGIN / END PROJECT SIGNING SHALL BE PERMANENT (POST) MOUNTED.

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 COVERED OR REMOVED.

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

SIGN CONST-7-72 IS PLACED APPROXIMATELY 500 FEET BEFORE THE BEGINNING OF THE PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN.

LOCATION OF CHANGEABLE MESSAGE SIGNS TO BE DETERMINED BY THE ENGINEER.

END OF PROJECT LIMITS; END OF WORK ZONE TERMINATION AREA, IF LOCATED BEYOND END OF PROJECT; OR LAST WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.

BEGINNING OF PROJECT LIMITS OR INITIAL WORK ZONE SIGN, IF LOCATED OUTSIDE PROJECT LIMITS.

26

1000'

1A

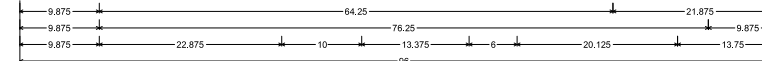
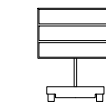
500'

1C

500'

1B

1C

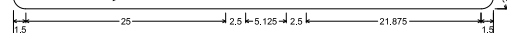


CONST-5-96 SH-FLAT SHEET:
3.000" Radius, 1.000" Border, White on, Blue;
"Intersection", D: "Improvements", D: "Fall 2024", D:
Table of letter and object lefts

Table with 12 columns (l, n, t, e, f, s, c, l, i, o, n, s) and 3 rows of dimensions.

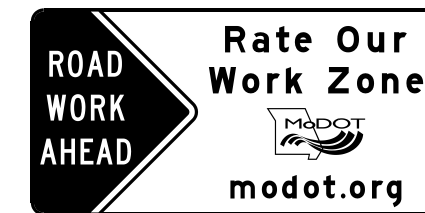
1A

Completed as Promised



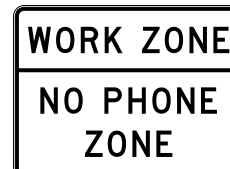
CONST-SP-60 SH-FLAT SHEET FLUORESCENT:
1.500" Radius, No border, Yellow;
"Completed as Promised" Black, D 65% spacing;
Table of letter and object lefts

Table with 12 columns (c, o, m, p, l, e, t, e, d, a, s, p, r, o, m, i, s, e, d) and 2 rows of dimensions.



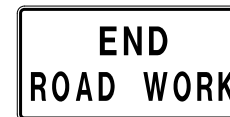
CONST-7-72

1B



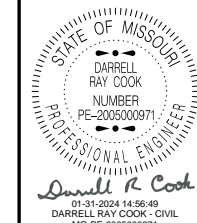
CONST-8

1C



GO20-2

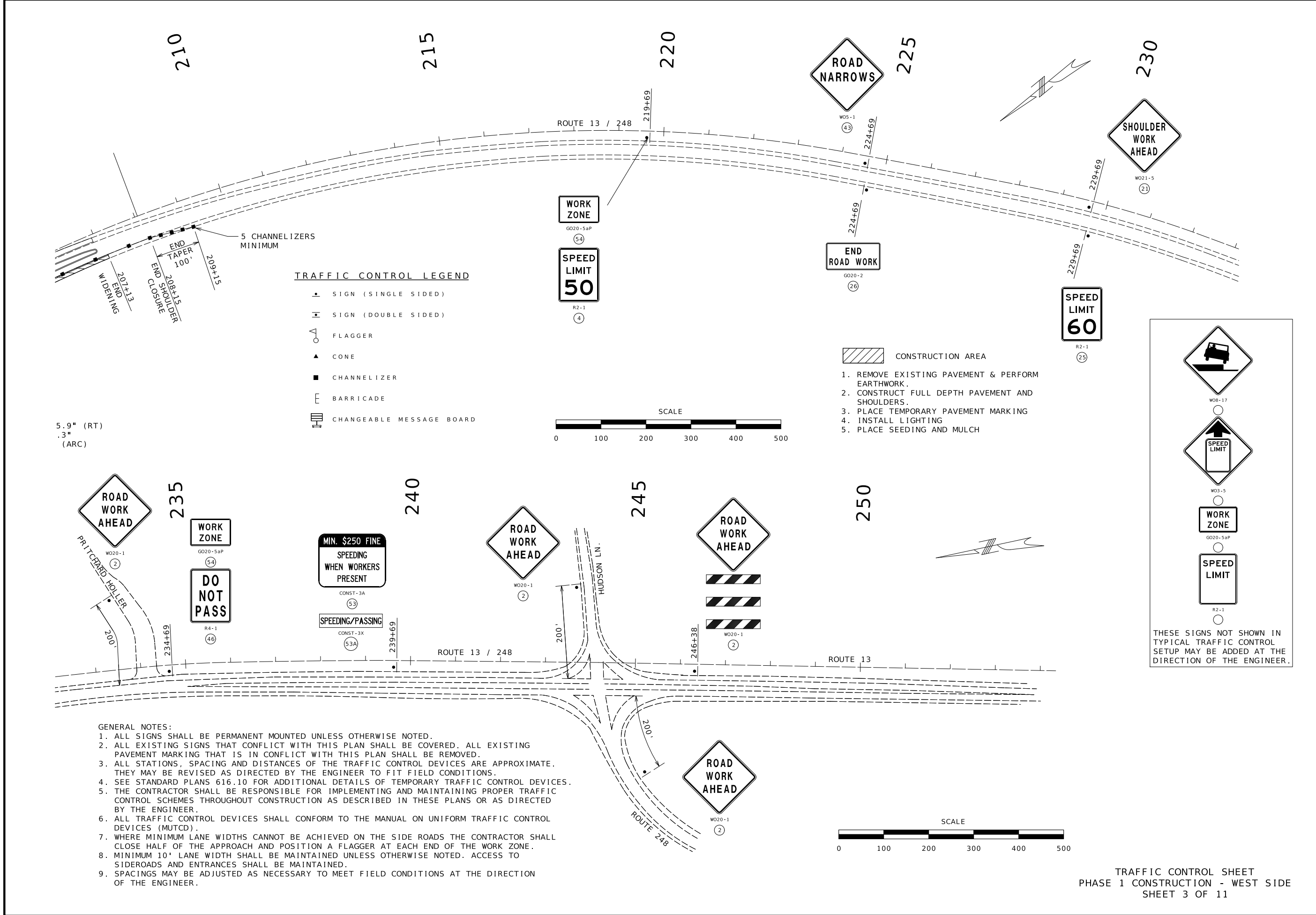
26



STATE OF MISSOURI
DARRELL RAY COOK
NUMBER
PE-2005000971
PROFESSIONAL ENGINEER
DATE PREPARED
1/31/2024
ROUTE 13 STATE MO
DISTRICT SW SHEET NO. 15
COUNTY STONE
JOB NO. JSR0094
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

Table with columns: DATE, DESCRIPTION

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



STATE OF MISSOURI
 DARRELL RAY COOK
 NUMBER PE-2005000971
 PROFESSIONAL ENGINEER

Darrell R Cook
 08-15-2024 10:23:55
 DARRELL RAY COOK - CIVIL
 MO-PE-2005000971

DATE PREPARED
 8/14/2024

ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 17

COUNTY
STONE

JOB NO.
JSR0094

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

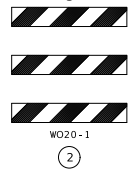
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

GENERAL NOTES:

- ALL SIGNS SHALL BE PERMANENT MOUNTED UNLESS OTHERWISE NOTED.
- ALL EXISTING SIGNS THAT CONFLICT WITH THIS PLAN SHALL BE COVERED. ALL EXISTING PAVEMENT MARKING THAT IS IN CONFLICT WITH THIS PLAN SHALL BE REMOVED.
- ALL STATIONS, SPACING AND DISTANCES OF THE TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THEY MAY BE REVISED AS DIRECTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
- SEE STANDARD PLANS 616.10 FOR ADDITIONAL DETAILS OF TEMPORARY TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PROPER TRAFFIC CONTROL SCHEMES THROUGHOUT CONSTRUCTION AS DESCRIBED IN THESE PLANS OR AS DIRECTED BY THE ENGINEER.
- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- WHERE MINIMUM LANE WIDTHS CANNOT BE ACHIEVED ON THE SIDE ROADS THE CONTRACTOR SHALL CLOSE HALF OF THE APPROACH AND POSITION A FLAGGER AT EACH END OF THE WORK ZONE.
- MINIMUM 10' LANE WIDTH SHALL BE MAINTAINED UNLESS OTHERWISE NOTED. ACCESS TO SIDEROADS AND ENTRANCES SHALL BE MAINTAINED.
- SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS AT THE DIRECTION OF THE ENGINEER.

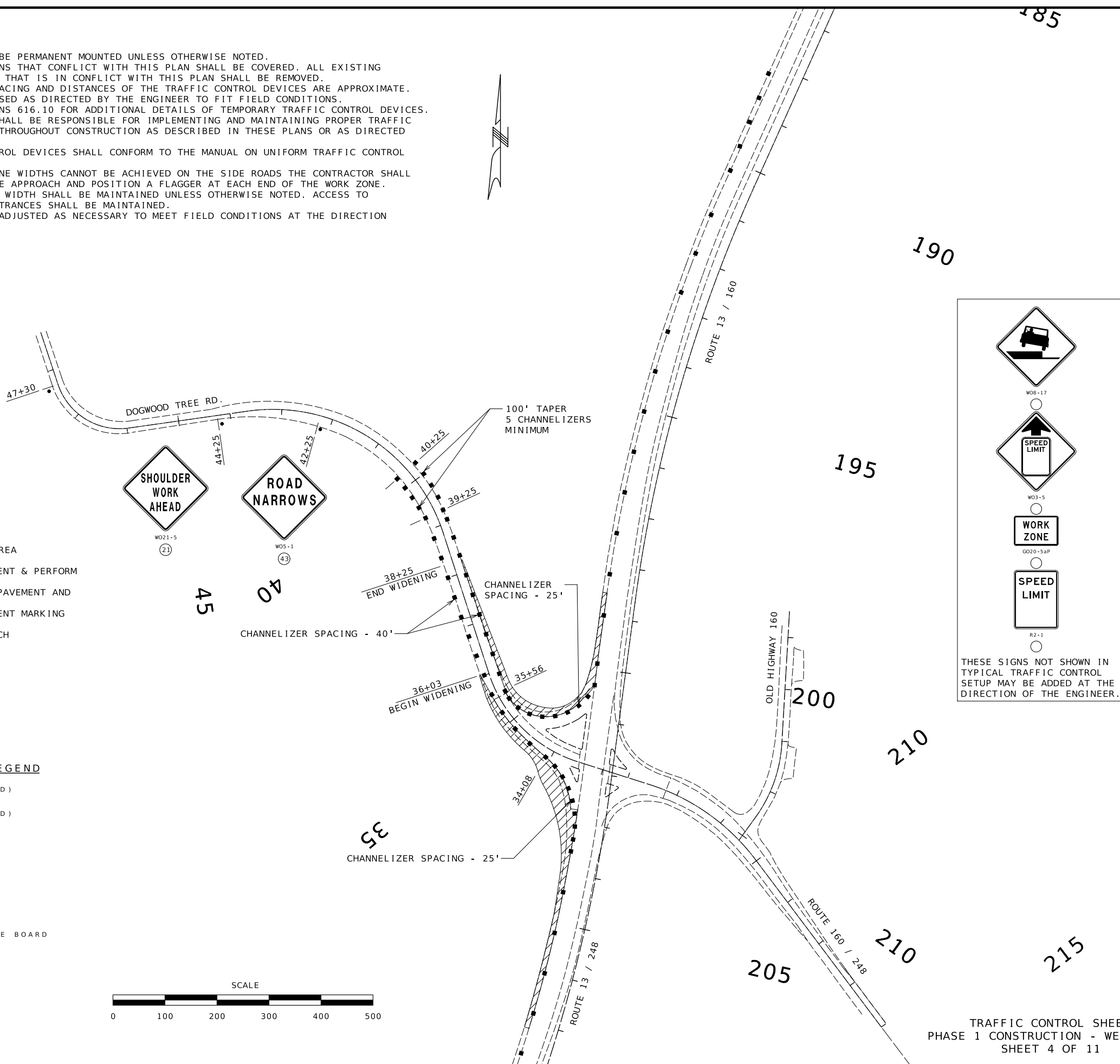
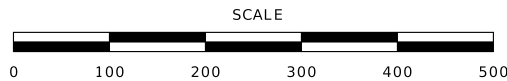


CONSTRUCTION AREA

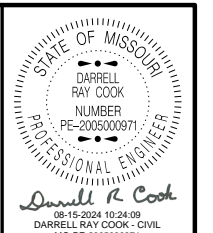
- REMOVE EXISTING PAVEMENT & PERFORM EARTHWORK.
- CONSTRUCT FULL DEPTH PAVEMENT AND SHOULDERS.
- PLACE TEMPORARY PAVEMENT MARKING
- INSTALL LIGHTING
- PLACE SEEDING AND MULCH

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD



THESE SIGNS NOT SHOWN IN TYPICAL TRAFFIC CONTROL SETUP MAY BE ADDED AT THE DIRECTION OF THE ENGINEER.



DATE PREPARED
8/14/2024

ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 18

COUNTY
STONE

JOB NO.
JSR0094

CONTRACT ID.

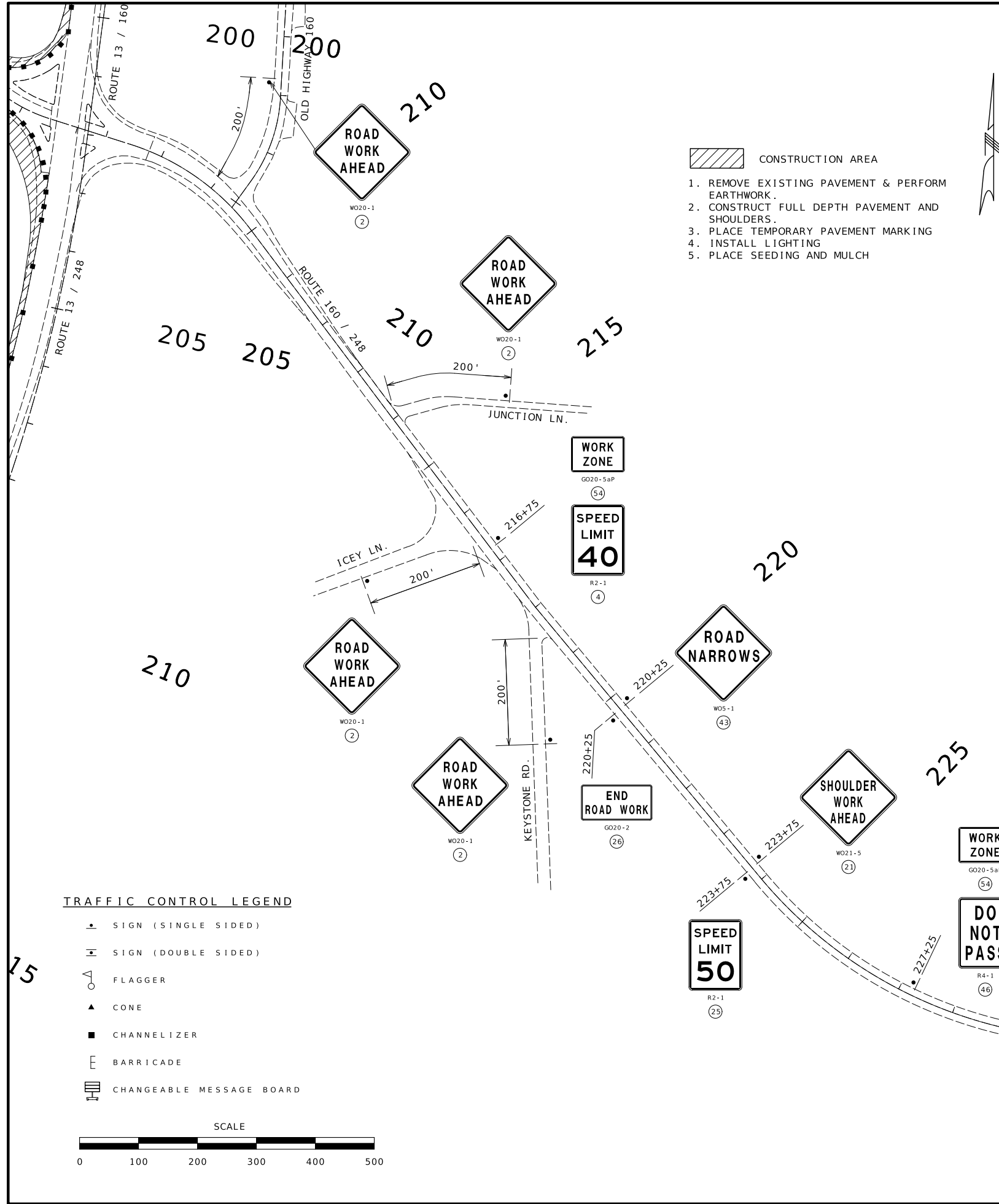
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

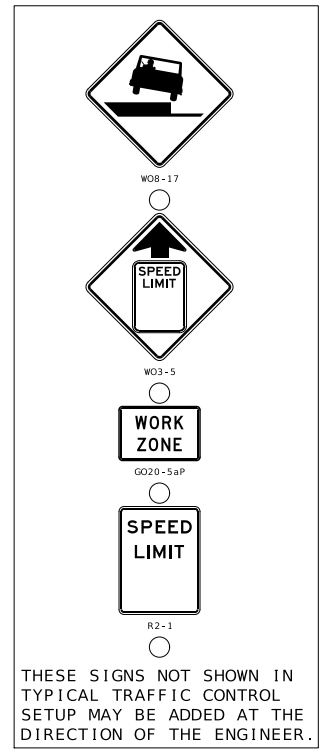
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



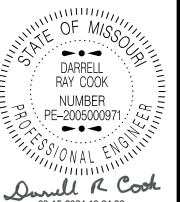
- CONSTRUCTION AREA**
1. REMOVE EXISTING PAVEMENT & PERFORM EARTHWORK.
 2. CONSTRUCT FULL DEPTH PAVEMENT AND SHOULDERS.
 3. PLACE TEMPORARY PAVEMENT MARKING
 4. INSTALL LIGHTING
 5. PLACE SEEDING AND MULCH

- GENERAL NOTES:**
1. ALL SIGNS SHALL BE PERMANENT MOUNTED UNLESS OTHERWISE NOTED.
 2. ALL EXISTING SIGNS THAT CONFLICT WITH THIS PLAN SHALL BE COVERED. ALL EXISTING PAVEMENT MARKING THAT IS IN CONFLICT WITH THIS PLAN SHALL BE REMOVED.
 3. ALL STATIONS, SPACING AND DISTANCES OF THE TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THEY MAY BE REVISED AS DIRECTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
 4. SEE STANDARD PLANS 616.10 FOR ADDITIONAL DETAILS OF TEMPORARY TRAFFIC CONTROL DEVICES.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PROPER TRAFFIC CONTROL SCHEMES THROUGHOUT CONSTRUCTION AS DESCRIBED IN THESE PLANS OR AS DIRECTED BY THE ENGINEER.
 6. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
 7. WHERE MINIMUM LANE WIDTHS CANNOT BE ACHIEVED ON THE SIDE ROADS THE CONTRACTOR SHALL CLOSE HALF OF THE APPROACH AND POSITION A FLAGGER AT EACH END OF THE WORK ZONE.
 8. MINIMUM 10' LANE WIDTH SHALL BE MAINTAINED UNLESS OTHERWISE NOTED. ACCESS TO SIDEROADS AND ENTRANCES SHALL BE MAINTAINED.
 9. SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS AT THE DIRECTION OF THE ENGINEER.



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
 - ▭ SIGN (DOUBLE SIDED)
 - FLAGGER
 - ▲ CONE
 - CHANNELIZER
 - ▭ BARRICADE
 - ▭ CHANGEABLE MESSAGE BOARD
- SCALE
-



DATE PREPARED
8/14/2024

ROUTE	STATE
13	MO
DISTRICT	SHEET NO.
SW	19

COUNTY
STONE

JOB NO.
JSR0094

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

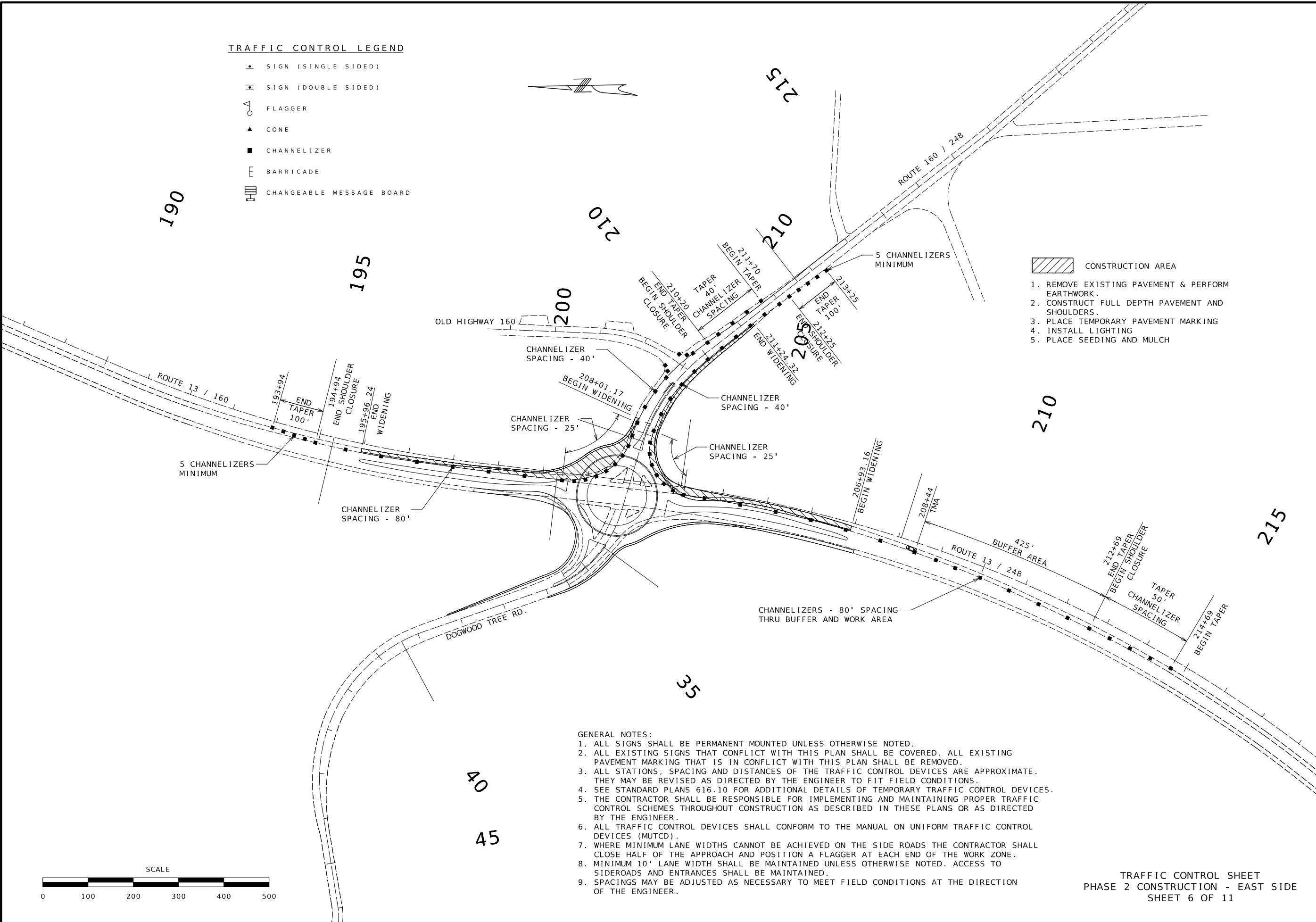
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL LEGEND

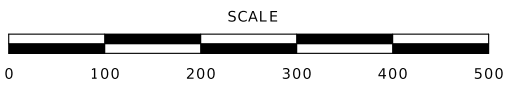
- ▲ SIGN (SINGLE SIDED)
- ◻ SIGN (DOUBLE SIDED)
- ◊ FLAGGER
- ▲ CONE
- CHANNELIZER
- ⊥ BARRICADE
- ▨ CHANGEABLE MESSAGE BOARD



- CONSTRUCTION AREA
1. REMOVE EXISTING PAVEMENT & PERFORM EARTHWORK.
 2. CONSTRUCT FULL DEPTH PAVEMENT AND SHOULDERS.
 3. PLACE TEMPORARY PAVEMENT MARKING
 4. INSTALL LIGHTING
 5. PLACE SEEDING AND MULCH

GENERAL NOTES:

1. ALL SIGNS SHALL BE PERMANENT MOUNTED UNLESS OTHERWISE NOTED.
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6. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
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8. MINIMUM 10' LANE WIDTH SHALL BE MAINTAINED UNLESS OTHERWISE NOTED. ACCESS TO SIDEROADS AND ENTRANCES SHALL BE MAINTAINED.
9. SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS AT THE DIRECTION OF THE ENGINEER.



Darrell R. Cook
 08-15-2024 10:24:38
 DARRELL RAY COOK - CIVIL
 MO-PE-2005000971

DATE PREPARED
 8/14/2024

ROUTE	STATE
13	MO
DISTRICT	SHEET NO.
SW	20
COUNTY	
STONE	
JOB NO.	
JSR0094	
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)

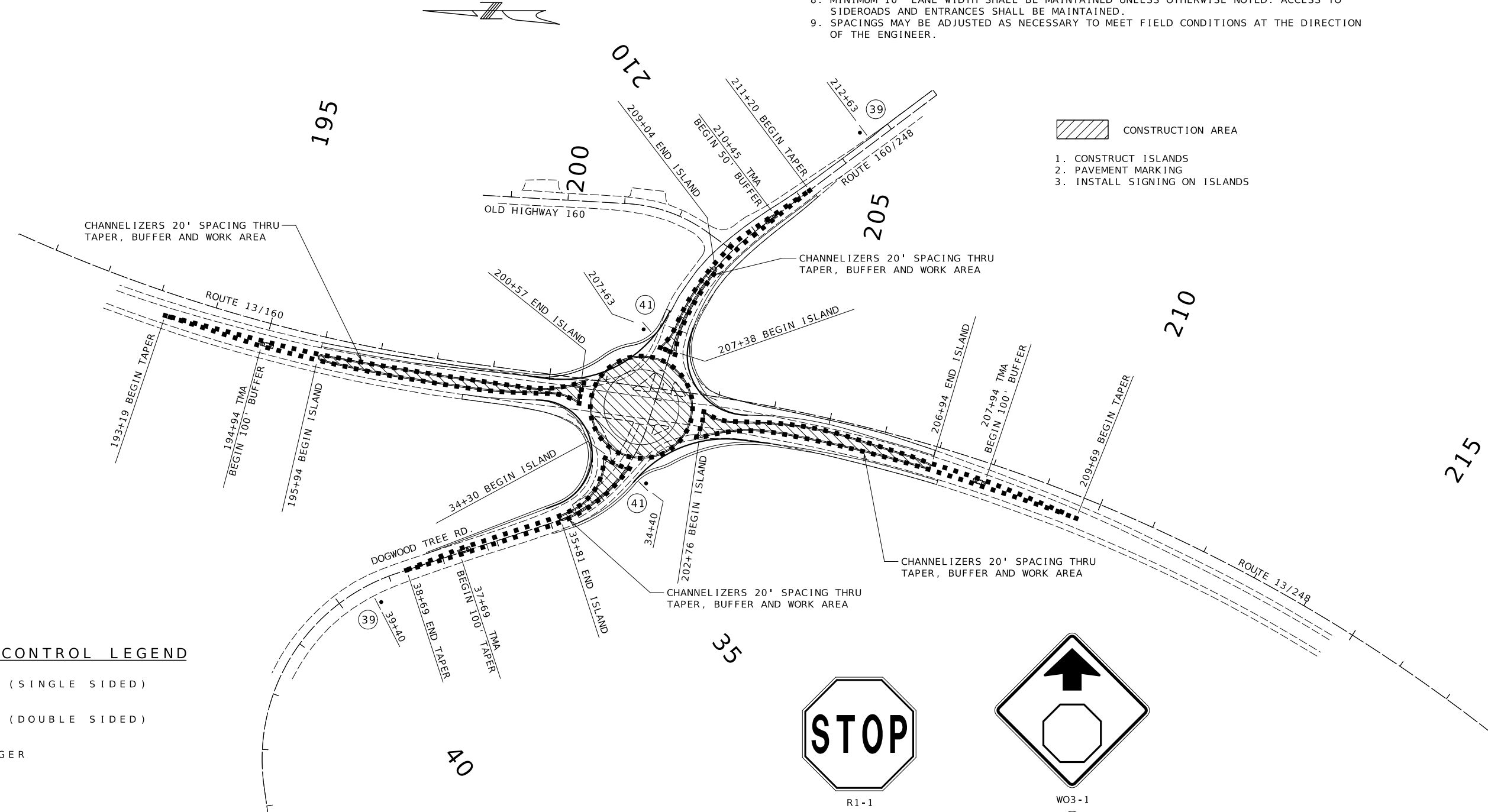
- GENERAL NOTES:
1. ALL SIGNS SHALL BE PERMANENT MOUNTED UNLESS OTHERWISE NOTED.
 2. ALL EXISTING SIGNS THAT CONFLICT WITH THIS PLAN SHALL BE COVERED. ALL EXISTING PAVEMENT MARKING THAT IS IN CONFLICT WITH THIS PLAN SHALL BE REMOVED.
 3. ALL STATIONS, SPACING AND DISTANCES OF THE TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THEY MAY BE REVISED AS DIRECTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
 4. SEE STANDARD PLANS 616.10 FOR ADDITIONAL DETAILS OF TEMPORARY TRAFFIC CONTROL DEVICES.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PROPER TRAFFIC CONTROL SCHEMES THROUGHOUT CONSTRUCTION AS DESCRIBED IN THESE PLANS OR AS DIRECTED BY THE ENGINEER.
 6. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
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 8. MINIMUM 10' LANE WIDTH SHALL BE MAINTAINED UNLESS OTHERWISE NOTED. ACCESS TO SIDEROADS AND ENTRANCES SHALL BE MAINTAINED.
 9. SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS AT THE DIRECTION OF THE ENGINEER.



DATE PREPARED
8/14/2024

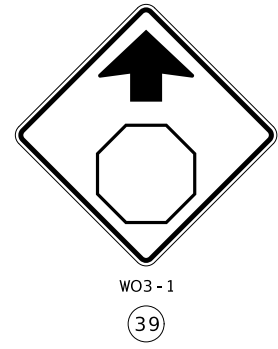
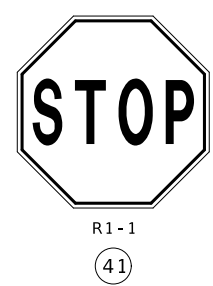
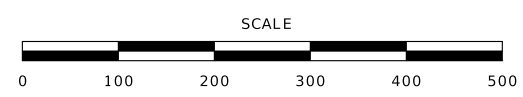
ROUTE 13 STATE MO DISTRICT SW SHEET NO. 21 COUNTY STONE JOB NO. JSR0094 CONTRACT ID. PROJECT NO. BRIDGE NO.

- CONSTRUCTION AREA
1. CONSTRUCT ISLANDS
 2. PAVEMENT MARKING
 3. INSTALL SIGNING ON ISLANDS



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- SIGN (DOUBLE SIDED)
- FLAGGER
- CONE
- CHANNELIZER
- BARRICADE
- CHANGEABLE MESSAGE BOARD



DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

Flagger Control for Stationary Operation One-Lane Two-Way Operation

STATE OF MISSOURI
DARRELL RAY COOK
NUMBER
PE-2005000971
PROFESSIONAL ENGINEER

Darrell R. Cook
01-31-2024 14:58:17
DARRELL RAY COOK - CIVIL
MO-PE-2005000971

DATE PREPARED
1/31/2024

ROUTE STATE
13 **MO**

DISTRICT SHEET NO.
SW **22**

COUNTY
STONE

JOB NO.
JSR0094

CONTRACT ID.

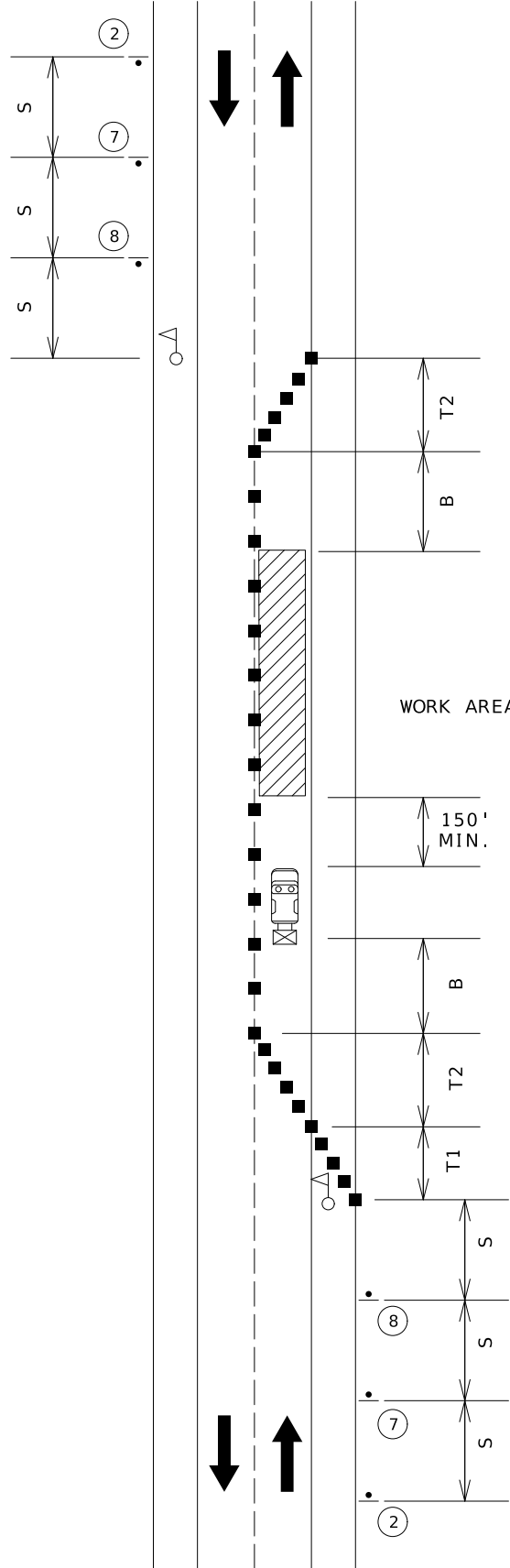
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



WO20-1
(2)

WO20-4
(7)

WO20-7a
(8)

WO3-4
(11)

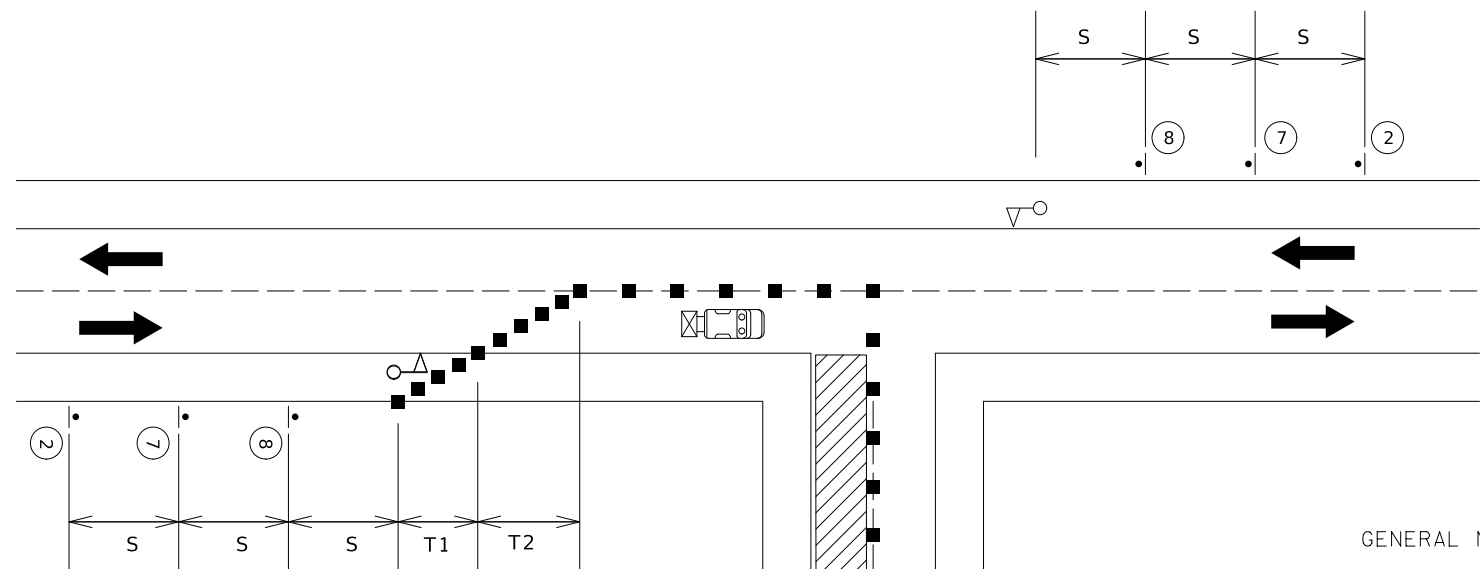
SPEED	SIGN SPACING (ft.)	TAPER LENGTH (ft.)		RECOMMENDED BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.)	
		SHOULDER T1	LANE T2		TAPERS	BUFFER / WORK AREAS
0 - 35	200	35	100	250	25	40
40 - 45	350	35	100	360	25	80
50 - 55	500	35	100	495	25	80
60 - 70	1000	35	100	730	25	120

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◼ SIGN (DOUBLE SIDED)
- △ FLAGGER
- ▲ CONE
- CHANNELIZER
- E BARRICADE
- ▨ CHANGEABLE MESSAGE BOARD
- 🚚 PROTECTIVE TRUCK WITH WORK SIGN, FLASHING ARROW PANEL AND TRUCK MOUNTED ATTENUATOR.

- GENERAL NOTES:
1. ALL SIGNS SHALL BE PORTABLE MOUNTED UNLESS OTHERWISE NOTED.
 2. ALL EXISTING SIGNS THAT CONFLICT WITH THIS PLAN SHALL BE COVERED.
 3. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
 4. MINIMUM 10' LANE WIDTH SHALL BE MAINTAINED UNLESS OTHERWISE NOTED. ACCESS TO SIDEROADS AND ENTRANCES SHALL BE MAINTAINED.
 5. SIGN (2) NOT NEEDED IF WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN (2) IS ALREADY USED.
 6. SIGN (11) TO BE LOCATED BETWEEN SIGN (7) & (8) AT THE DIRECTION OF THE ENGINEER. ADJUST SIGN LOCATION TO OBTAIN CORRECT SPACING.
 7. SPACING MAY BE ADJUSTED TO MEET FIELD CONDITIONS AT THE DIRECTION OF THE ENGINEER.

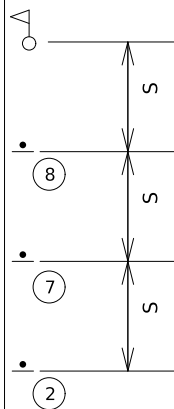
LANE CLOSURE ON A TWO-LANE HIGHWAY NEAR INTERSECTION



TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◣ SIGN (DOUBLE SIDED)
- ◊ FLAGGER
- ▲ CONE
- CHANNELIZER
- E BARRICADE
- H CHANGEABLE MESSAGE BOARD
- TRUCK WITH SIGN, FLASHING ARROW PANEL AND TRUCK MOUNTED ATTENUATOR.

5 DEVICES
MIN.



WO20-1

②



WO20-4

⑦



WO20-7a

⑧



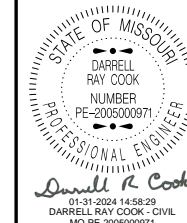
WO3-4

⑪

GENERAL NOTES:

1. ALL SIGNS SHALL BE PORTABLE MOUNTED UNLESS OTHERWISE NOTED.
2. ALL EXISTING SIGNS THAT CONFLICT WITH THIS PLAN SHALL BE COVERED.
3. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
4. MINIMUM 10' LANE WIDTH SHALL BE MAINTAINED UNLESS OTHERWISE NOTED. ACCESS TO SIDEROADS AND ENTRANCES SHALL BE MAINTAINED.
5. SIGN ② NOT NEEDED IF WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN ② IS ALREADY USED.
6. SIGN ⑪ TO BE LOCATED BETWEEN SIGN ⑦ & ⑧ AT THE DIRECTION OF THE ENGINEER. ADJUST SIGN LOCATION TO OBTAIN CORRECT SPACING.
7. SPACING MAY BE ADJUSTED TO MEET FIELD CONDITIONS AT THE DIRECTION OF THE ENGINEER.

SPEED	SIGN SPACING (ft.)	TAPER LENGTH (ft.)		RECOMMENDED BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.)	
		SHOULDER T1	LANE T2		TAPERS	BUFFER / WORK AREAS
PERMANENT POSTED (mph)	UNDIVIDED (S)					
0 - 35	200	35	100	250	25	40
40 - 45	350	35	100	360	25	80
50 - 55	500	35	100	495	25	80
60 - 70	1000	35	100	730	25	120



DATE PREPARED
1/31/2024
ROUTE 13 STATE MO
DISTRICT SW SHEET NO. 23
COUNTY STONE
JOB NO. JSR0094
CONTRACT ID.

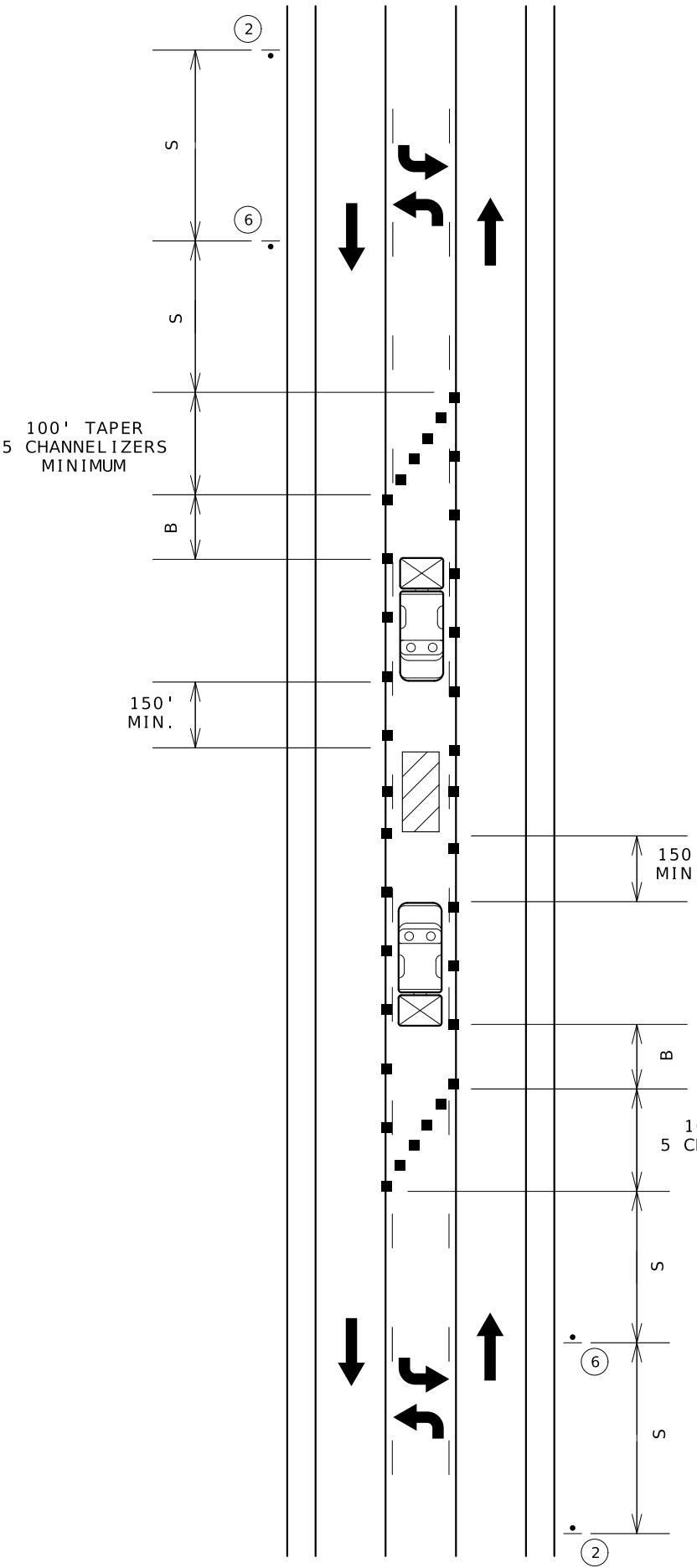
PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

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



Operations in Two-Way Left Turn Lane on Multi-Lane Undivided Highways



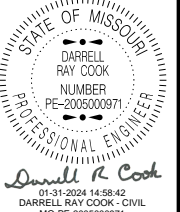
SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		RECOMMENDED BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.)	
	UNDIVIDED (S)		SHOULDER T1	LANE T2		TAPERS	BUFFER / WORK AREAS
0 - 35	200		35	100	250	25	40
40 - 45	350		35	100	360	25	80
50 - 55	500		35	100	495	25	80
60 - 70	1000		35	100	730	25	120

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ◼ SIGN (DOUBLE SIDED)
- ◁ FLAGGER
- ▲ CONE
- CHANNELIZER
- E BARRICADE
- ▧ CHANGEABLE MESSAGE BOARD
- 🚚 PROTECTIVE TRUCK WITH WORK SIGN, FLASHING ARROW PANEL AND TRUCK MOUNTED ATTENUATOR.

GENERAL NOTES:

1. ALL SIGNS SHALL BE PORTABLE MOUNTED UNLESS OTHERWISE NOTED.
2. ALL EXISTING SIGNS THAT CONFLICT WITH THIS PLAN SHALL BE COVERED.
3. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
4. A PROTECTIVE VEHICLE SHALL BE USED IN EACH DIRECTION WHILE WORK IS IN PROGRESS. EACH PROTECTIVE VEHICLE SHOULD BE EQUIPPED WITH A TMA AND FLASHING ARROW PANEL AND POSITIONED AT LEAST 150' IN ADVANCE OF THE WORK SPACE. IF A FLASHING ARROW PANEL IS USED, THE CAUTION MODE SHALL BE DISPLAYED.
5. SIGN (2) NOT NEEDED IF WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN (2) IS ALREADY USED.
6. CHANNELIZER SPACING MAY BE REDUCED TO DISCOURAGE TURNING TRAFFIC FROM ENTERING INTO ACTIVITY AREA.



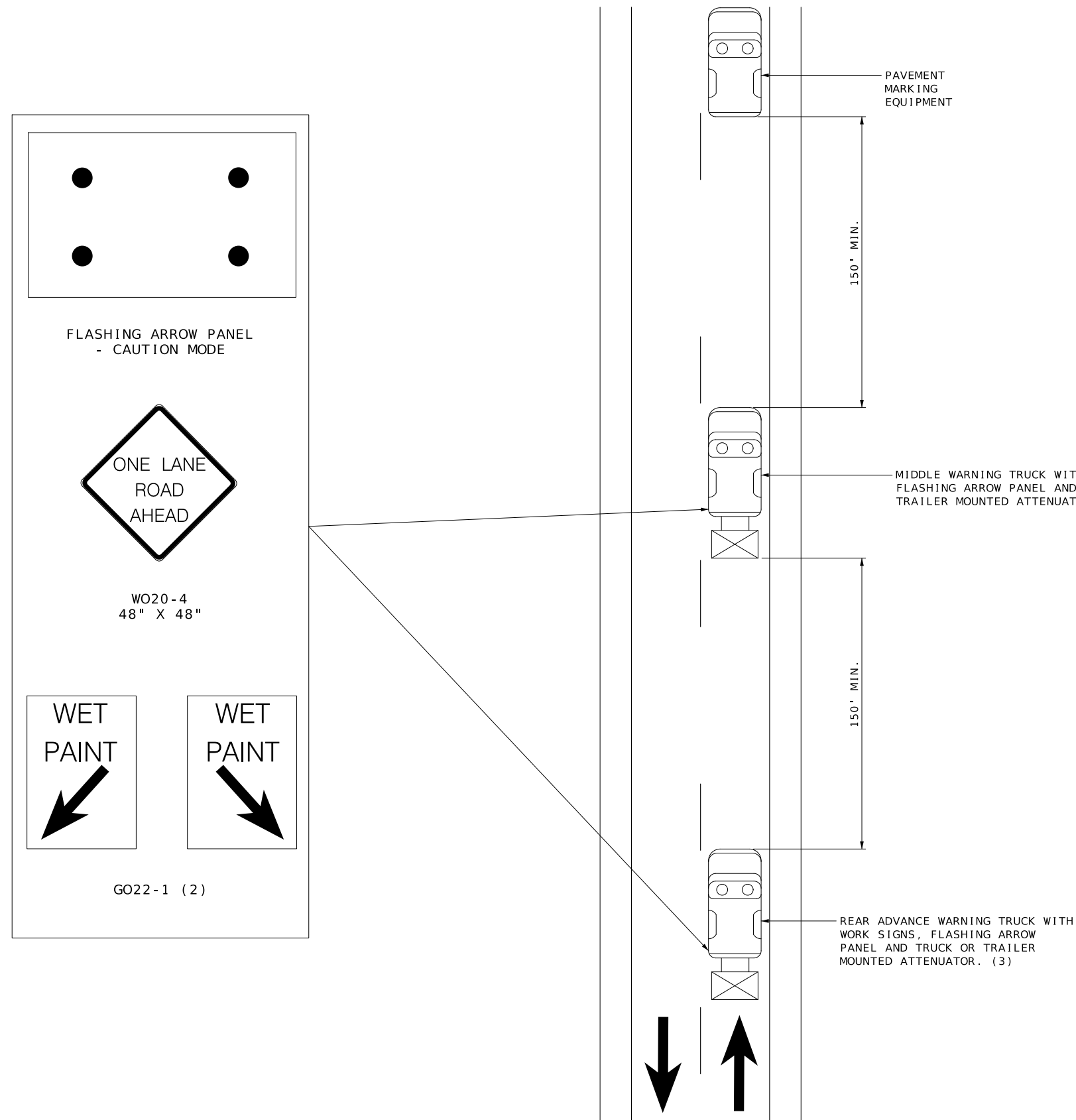
DATE PREPARED 1/31/2024	
ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 24
COUNTY STONE	
JOB NO. JSR0094	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING - MOVING OPERATION ON TWO-LANE HIGHWAYS



FLASHING ARROW PANEL
- CAUTION MODE

WO20-4
48" X 48"

WET
PAINT

WET
PAINT

GO22-1 (2)

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

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

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

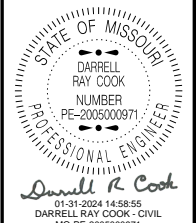
FLASHING ARROW PANELS AND SIGNS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT SHALL BE MADE.

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

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

(3) REAR ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE, OR SPACING SHOWN.

CENTERLINE/EDGELINE STRIPING ON TWO-LANE HIGHWAYS

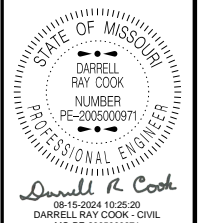
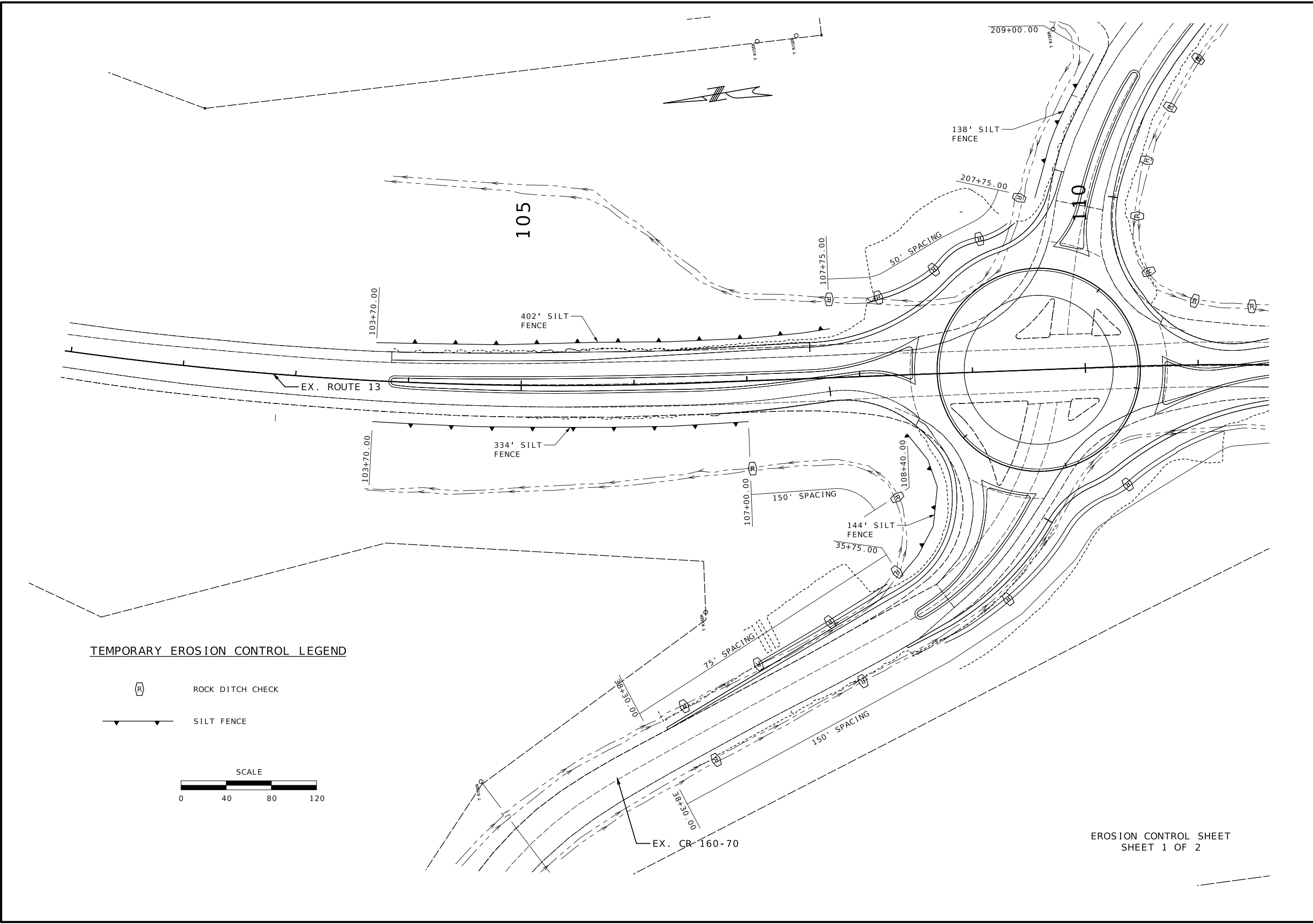


DATE PREPARED 1/31/2024	
ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 25
COUNTY STONE	
JOB NO. JSR0094	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION


MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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


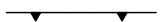


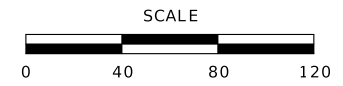
DATE PREPARED
8/14/2024
ROUTE 13 STATE MO
DISTRICT SW SHEET NO. 26
COUNTY STONE
JOB NO. JSR0094
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

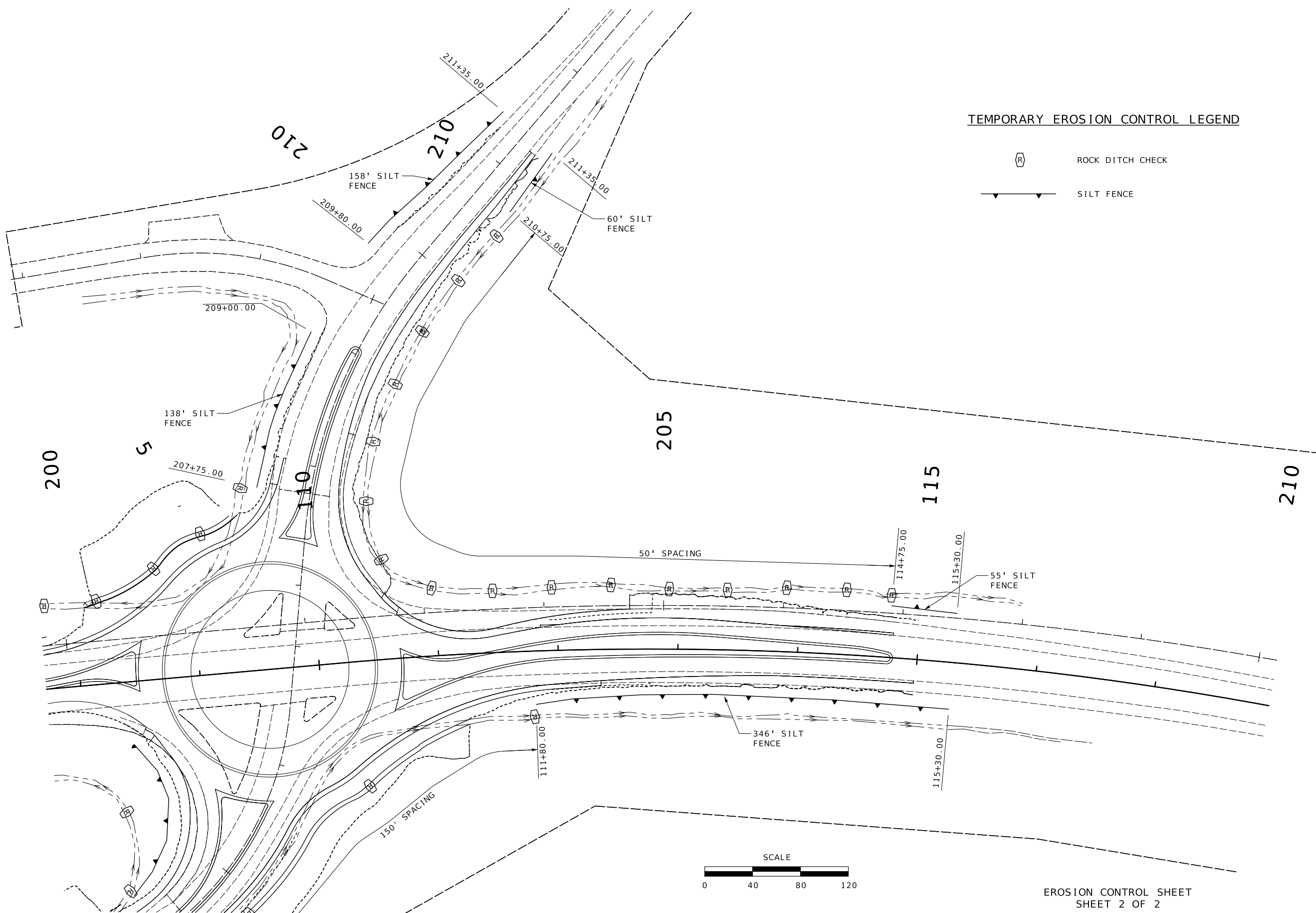
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TEMPORARY EROSION CONTROL LEGEND

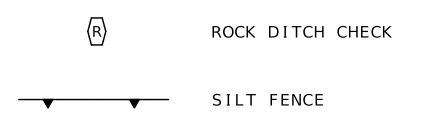
-  ROCK DITCH CHECK
-  SILT FENCE



EROSION CONTROL SHEET
SHEET 1 OF 2



TEMPORARY EROSION CONTROL LEGEND

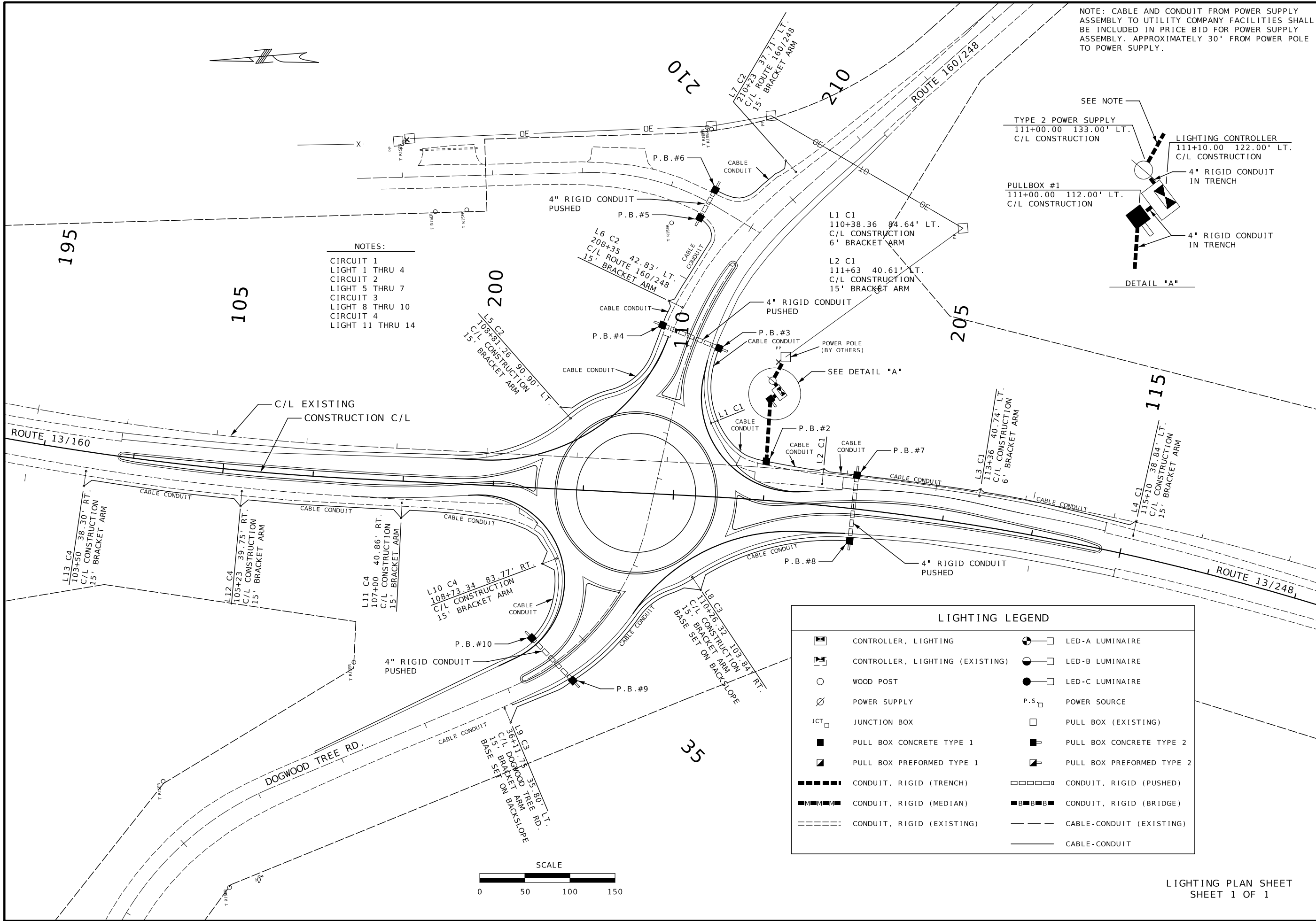


STATE OF MISSOURI
 DARRELL RAY COOK
 NUMBER
 PE-2005000971
 PROFESSIONAL ENGINEER
 Darrell R. Cook
 08-15-2024 10:25:38
 DARRELL RAY COOK - CIVIL
 MO-PE-2005000971

DATE PREPARED
 8/14/2024
 ROUTE
 13
 STATE
 MO
 DISTRICT
 SW
 SHEET NO.
 27
 COUNTY
 STONE
 JOB NO.
 JSR0094
 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)



NOTES:
 CIRCUIT 1
 LIGHT 1 THRU 4
 CIRCUIT 2
 LIGHT 5 THRU 7
 CIRCUIT 3
 LIGHT 8 THRU 10
 CIRCUIT 4
 LIGHT 11 THRU 14

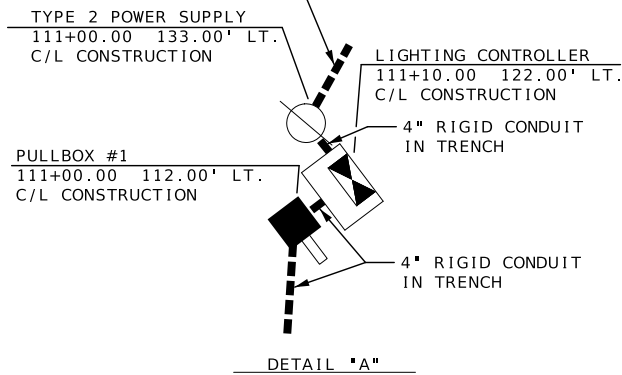
NOTE: CABLE AND CONDUIT FROM POWER SUPPLY ASSEMBLY TO UTILITY COMPANY FACILITIES SHALL BE INCLUDED IN PRICE BID FOR POWER SUPPLY ASSEMBLY. APPROXIMATELY 30' FROM POWER POLE TO POWER SUPPLY.

STATE OF MISSOURI
 DARRELL RAY COOK
 NUMBER
 PE-2005000971
 PROFESSIONAL ENGINEER

Darrell R. Cook
 08-15-2024 10:26:58
 DARRELL RAY COOK - CIVIL
 MO-PE-2005000971

DATE PREPARED
8/14/2024

ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 28
COUNTY STONE	
JOB NO. JSR0094	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



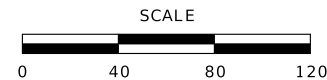
LIGHTING LEGEND	
	CONTROLLER, LIGHTING
	CONTROLLER, LIGHTING (EXISTING)
	WOOD POST
	POWER SUPPLY
	JUNCTION BOX
	PULL BOX CONCRETE TYPE 1
	PULL BOX PREFORMED TYPE 1
	CONDUIT, RIGID (TRENCH)
	CONDUIT, RIGID (MEDIAN)
	CONDUIT, RIGID (EXISTING)
	LED-A LUMINAIRE
	LED-B LUMINAIRE
	LED-C LUMINAIRE
	P.S.
	PULL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

LIGHTING PLAN SHEET
 SHEET 1 OF 1

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



Spokane 7
 Nixa 21
 Springfield 27

5
 105+44.00
 42.50' LT

190

100

195

105

RTE 160 EXIST

RTE 13 CONSTR

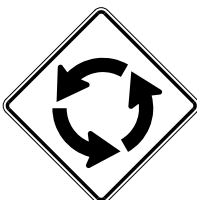
JCT

M2-1



M1-5

1
 189+47.31
 76.88' RT



W2-6

25
M.P.H.

W13-1P

2
 191+44.00
 74.00' RT

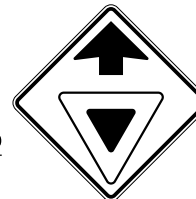


R4-7

3
 103+88.05
 0.08' LT

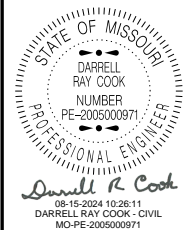


OM1-3



W3-2

4
 104+24.00
 36.00' RT



DATE PREPARED
8/14/2024

ROUTE	STATE
13	MO
DISTRICT	SHEET NO.
SW	29

COUNTY
STONE

JOB NO.
JSR0094

CONTRACT ID.

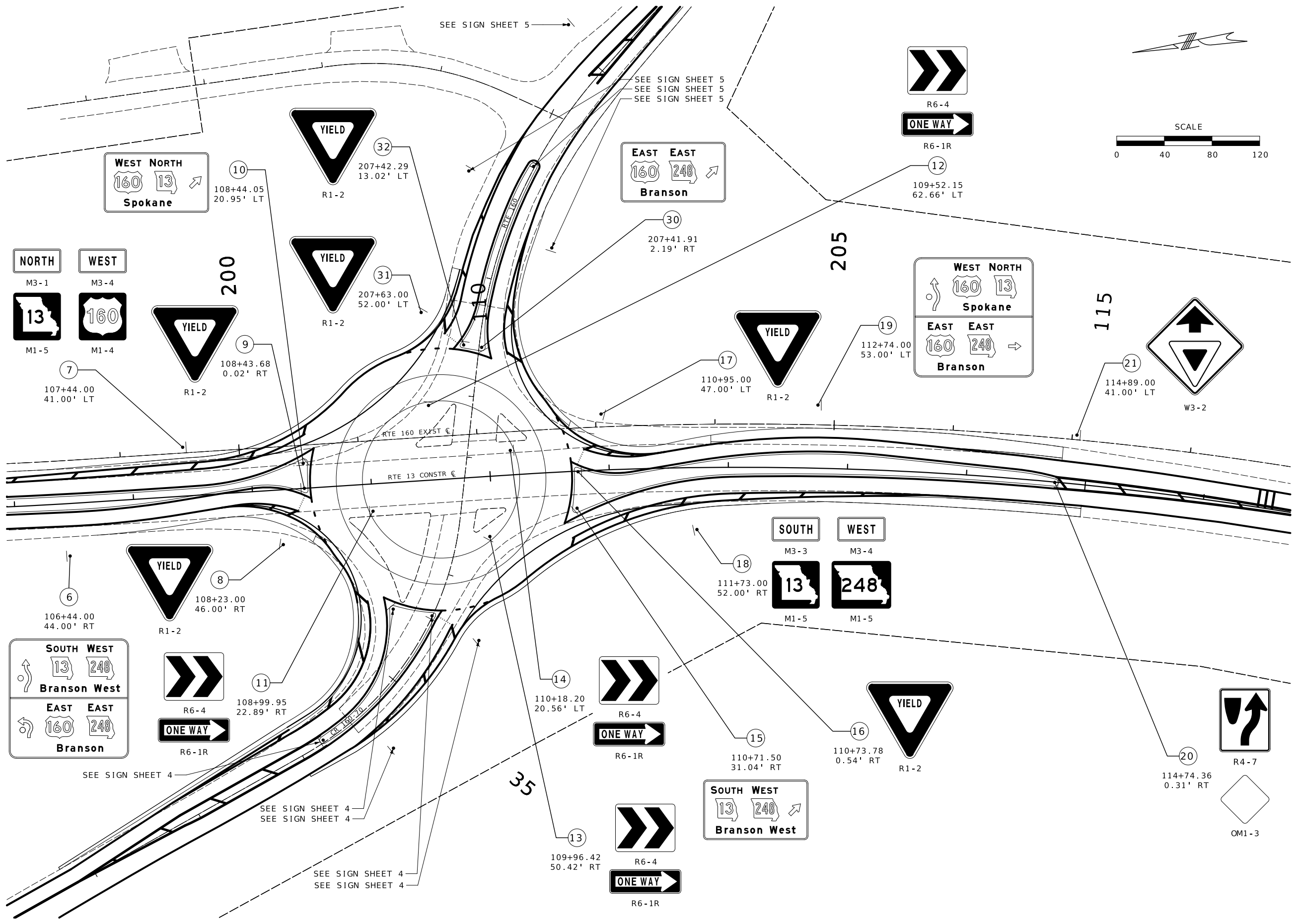
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

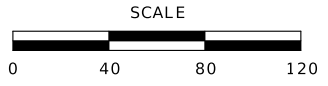
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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



SEE SIGN SHEET 5

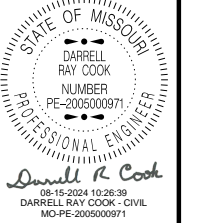
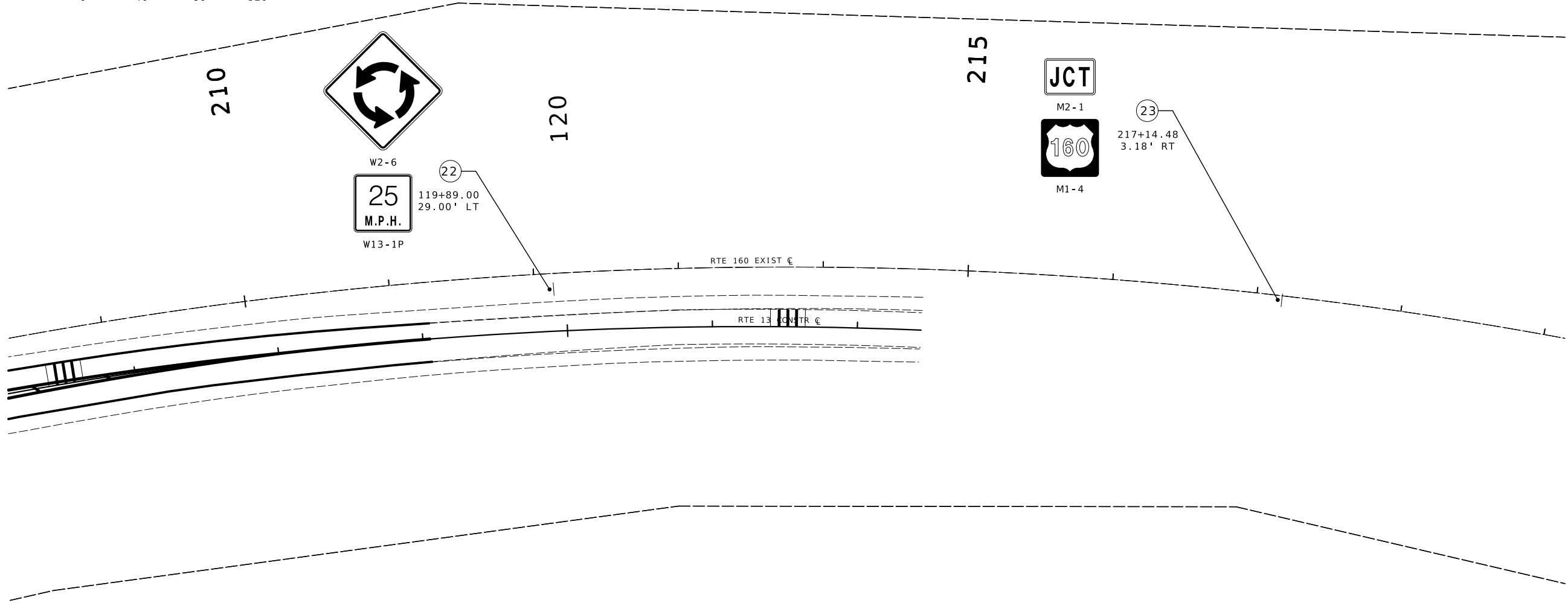
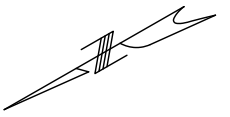
SEE SIGN SHEET 5
SEE SIGN SHEET 5
SEE SIGN SHEET 5



STATE OF MISSOURI
 DARRELL RAY COOK
 NUMBER
 PE-200500971
 PROFESSIONAL ENGINEER
 DATE PREPARED
 8/14/2024
 ROUTE 13 STATE MO
 DISTRICT SW SHEET NO. 30
 COUNTY STONE
 JOB NO. JSR0094
 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)



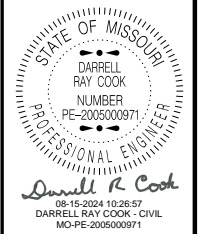
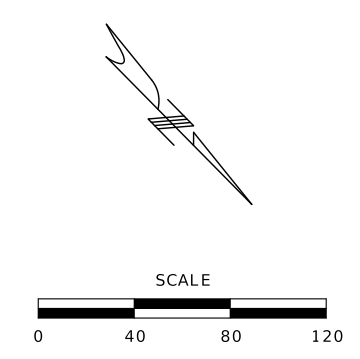
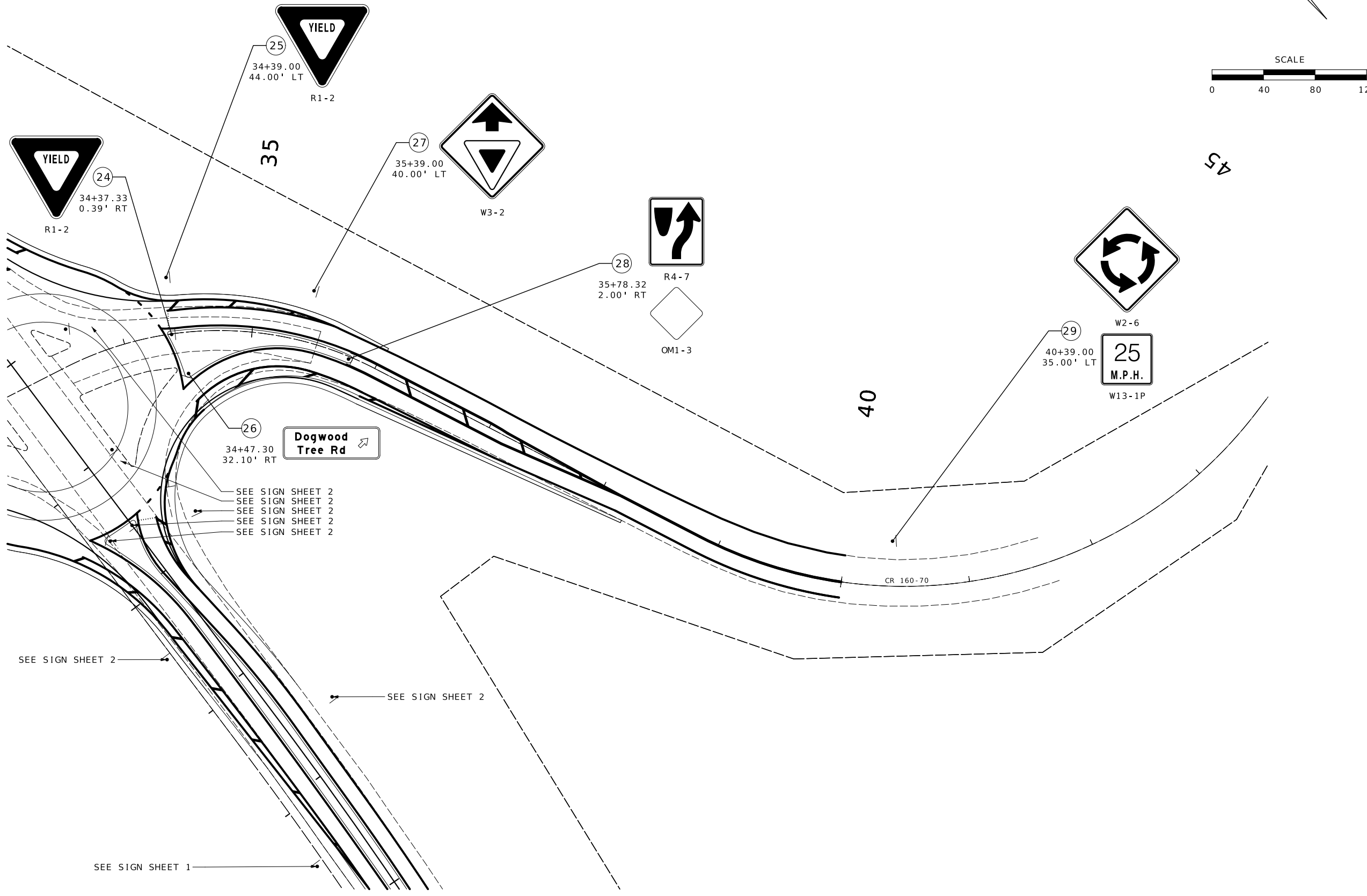
DATE PREPARED
8/14/2024
ROUTE 13 STATE MO
DISTRICT SW SHEET NO. 31
COUNTY
STONE
JOB NO.
JSR0094
CONTRACT ID.

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
8/14/2024

ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 32

COUNTY
STONE

JOB NO.
JSR0094

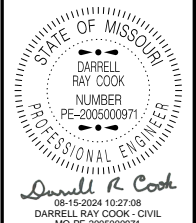
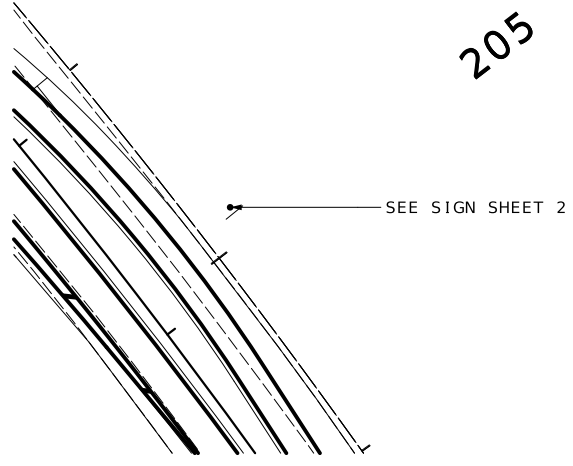
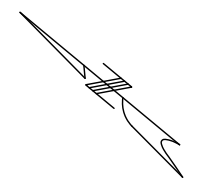
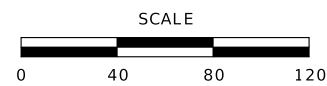
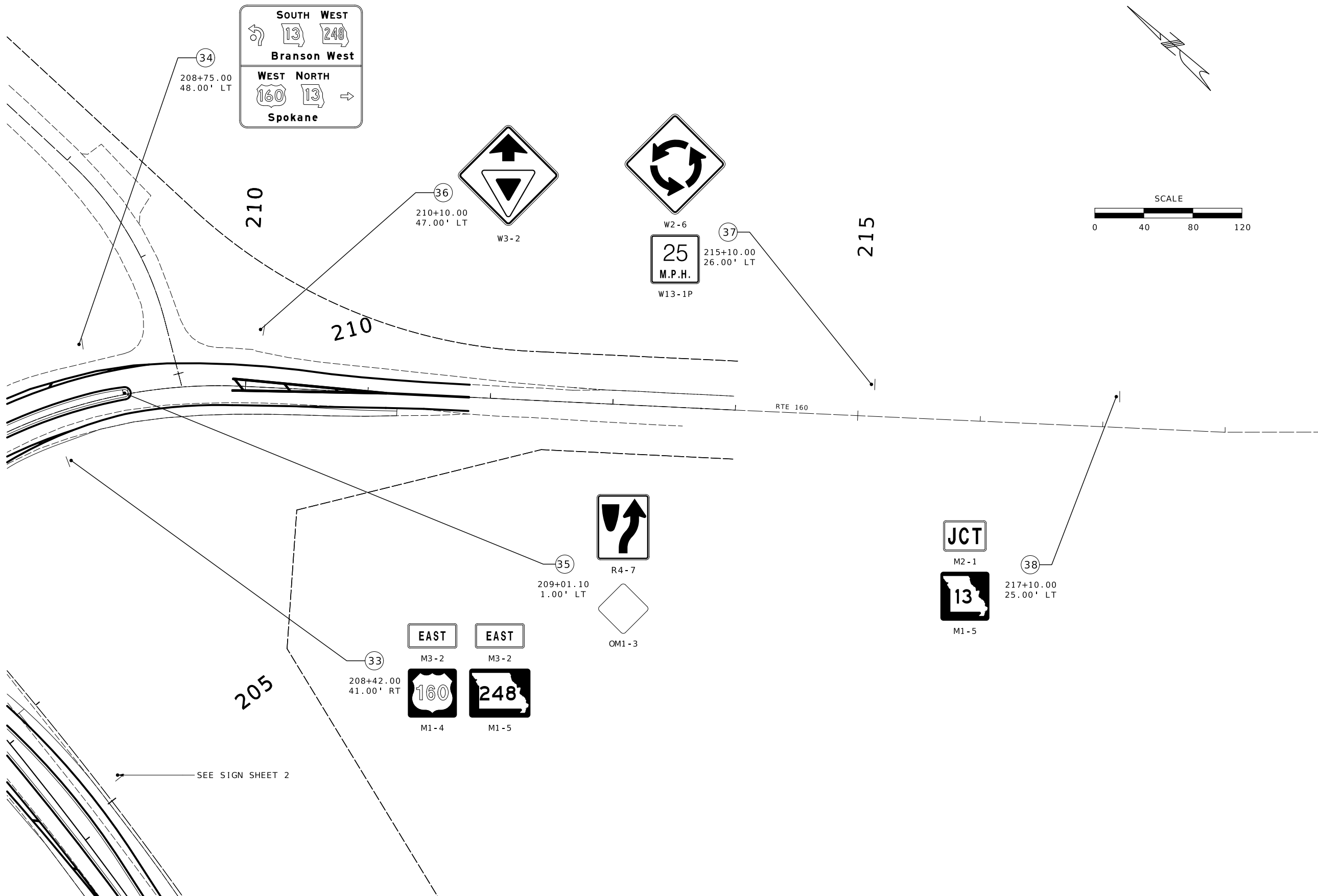
CONTRACT ID.

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
8/14/2024

ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 33

COUNTY
STONE

JOB NO.
JSR0094

CONTRACT ID.

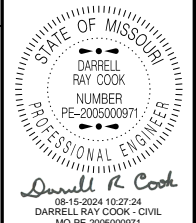
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

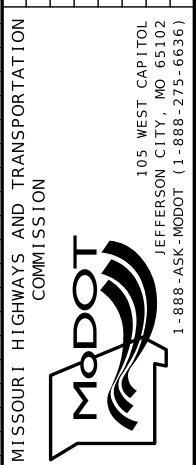


DATE PREPARED
8/14/2024
ROUTE 13 STATE MO
DISTRICT SW SHEET NO. 34

COUNTY
STONE
JOB NO.
JSR0094
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DESCRIPTION and DATE table with columns for description and date.



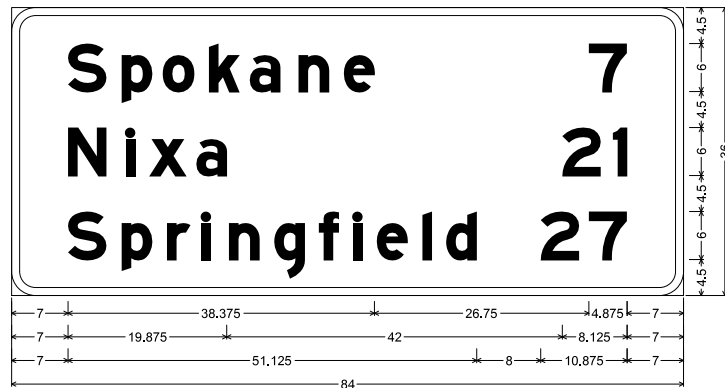
Main project data table with columns for SIGN NO., SIGN SIZE, STATION, OFFSET, LOCATION, SIGN DTL. SHT. NO., CONCRETE FOOTINGS EMBEDDED, STRUCTURAL STEEL POSTS *, PIPE POSTS *, BACKING BARS **, U-CHANNEL POST, PERFORATED SQUARE STEEL TUBE (2 IN. POST and 2.5 IN. POST), BREAK-AWAY ASSEMBLY, and REMARKS AND OTHER REQUIRED ITEMS.

SUBTOTAL and TOTAL rows with values for concrete, steel, and tube quantities.

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

ROUND PIPE POST AND FOOTING DATA TABLE with columns for NOM. SIZE, WEIGHT, STUB LENGTH, FOOTING DIA., DEPTH, and CONCRETE C.Y.

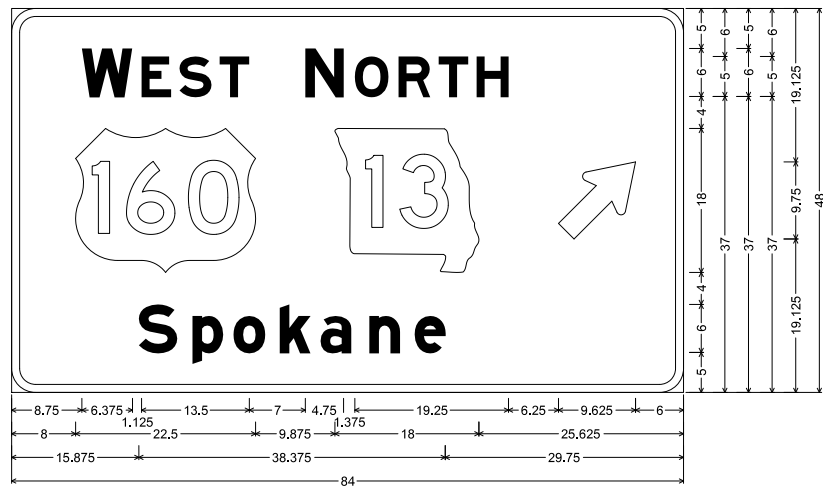
STRUCTURAL STEEL POST AND FOOTING DATA TABLE with columns for POST DES. NO., NOM. SIZE, WEIGHT, STUB LENGTH, DIA., LEVEL GROUND, and FOOTING GRADES (6:1, 4:1, 3:1 OR 2:1).



D2-3 ST-STRUCTURAL:
 3,000" Radius, 1,000" Border, White on, Green;
 "Spokane", E Mod; "7", E Mod; "Nixa", E Mod; "21", E Mod; "Springfield", E Mod; "27", E Mod;
 Table of letter and object lefts

S	p	o	k	a	n	e	7					
7,000	13,750	18,875	24,625	29,750	35,875	41,500	72,125					
N	i	x	a	2	1							
7,000	14,250	17,250	23,125	68,875	75,125							
S	p	r	i	n	g	s	2	7				
7,000	13,750	19,375	23,750	27,125	32,875	38,375	42,625	45,625	51,375	54,375	66,125	72,125

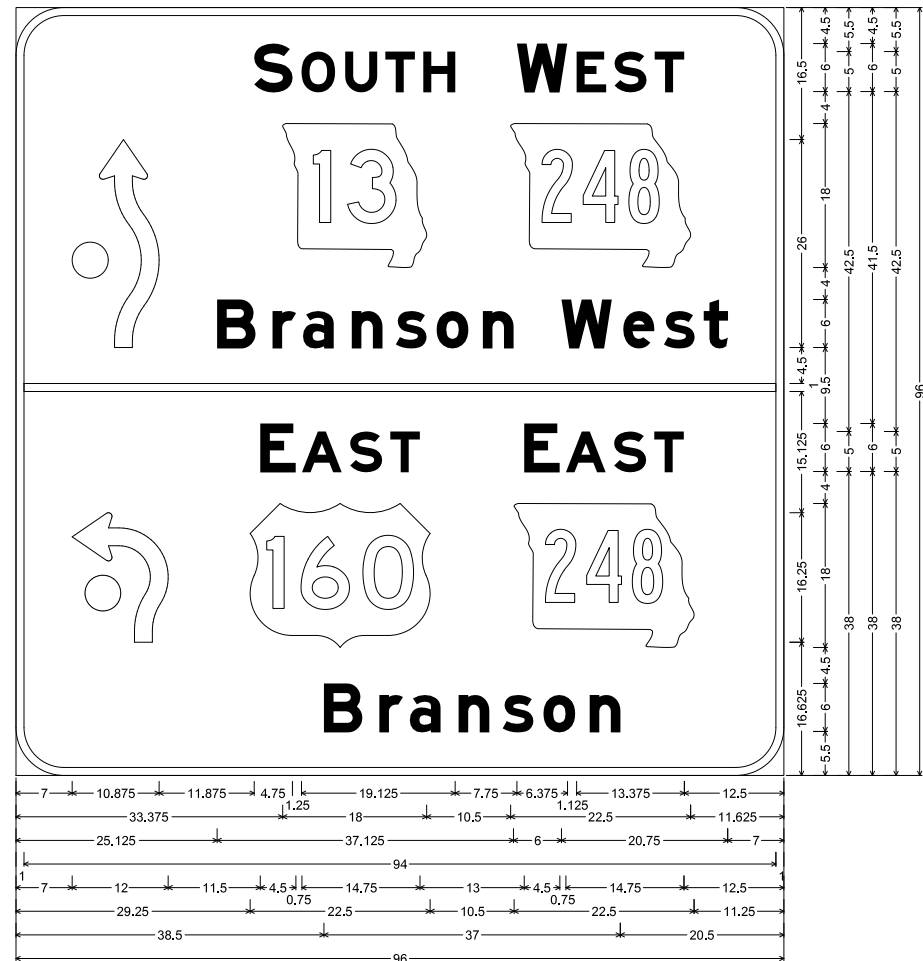
SIGN NO.	5
STATION	105+44.00
ROADWAY	13



D1-1e ST-STRUCTURAL:
 3,000" Radius, 1,000" Border, White on, Green;
 "WEST", E Mod; "NORTH", E Mod; "Spokane", E Mod;
 Standard Arrow Custom 12.250" X 7.125" 45";
 Table of letter and object lefts

W	E	S	T	N	O	R	T	H	↗
8,750	16,250	21,000	26,000	36,750	42,875	48,375	53,375	58,125	68,375
↖	↖								
8,000	40,375								
S	p	o	k	a	n	e			
15,875	22,625	27,750	33,500	38,625	44,750	50,375			

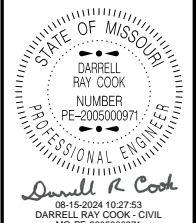
SIGN NO.	10
STATION	108+44.05
ROADWAY	13



D1-2d ST-STRUCTURAL:
 6,000" Radius, 1,000" Border, White on, Green;
 "SOUTH", E Mod; "WEST", E Mod; "Branson West", E Mod; "EAST", E Mod; "EAST", E Mod; "Branson", E Mod;
 Table of letter and object lefts

↖	S	O	U	T	H	W	E	S	T	
7,000	29,750	35,750	41,125	46,125	50,875	62,625	70,125	74,875	79,875	
↖	↖									
33,375	61,875									
B	r	a	n	s	o	n	W	e	s	t
25,125	32,125	35,875	42,000	47,500	52,625	58,375	68,250	75,875	81,000	86,000
↖	↖									
1,000										
↖	E	A	S	T	E	A	S	T		
7,000	30,500	35,750	41,750	46,750	63,500	68,750	74,750	79,750		
↖	↖									
29,250	62,250									
B	r	a	n	s	o	n				
38,500	45,375	49,250	55,375	60,875	66,000	71,750				

SIGN NO.	6
STATION	106+44.00
ROADWAY	13



DATE PREPARED
8/14/2024

ROUTE	STATE
13	MO
DISTRICT	SHEET NO.
SW	36

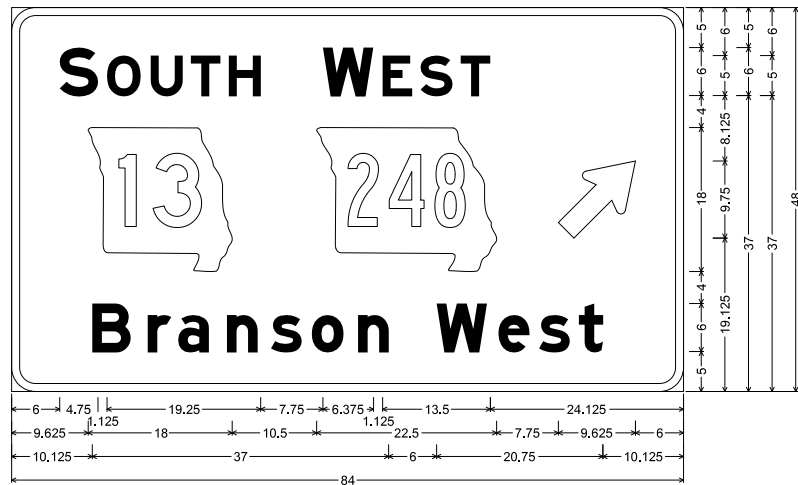
COUNTY
STONE
 JOB NO.
JSR0094
 CONTRACT ID.

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)

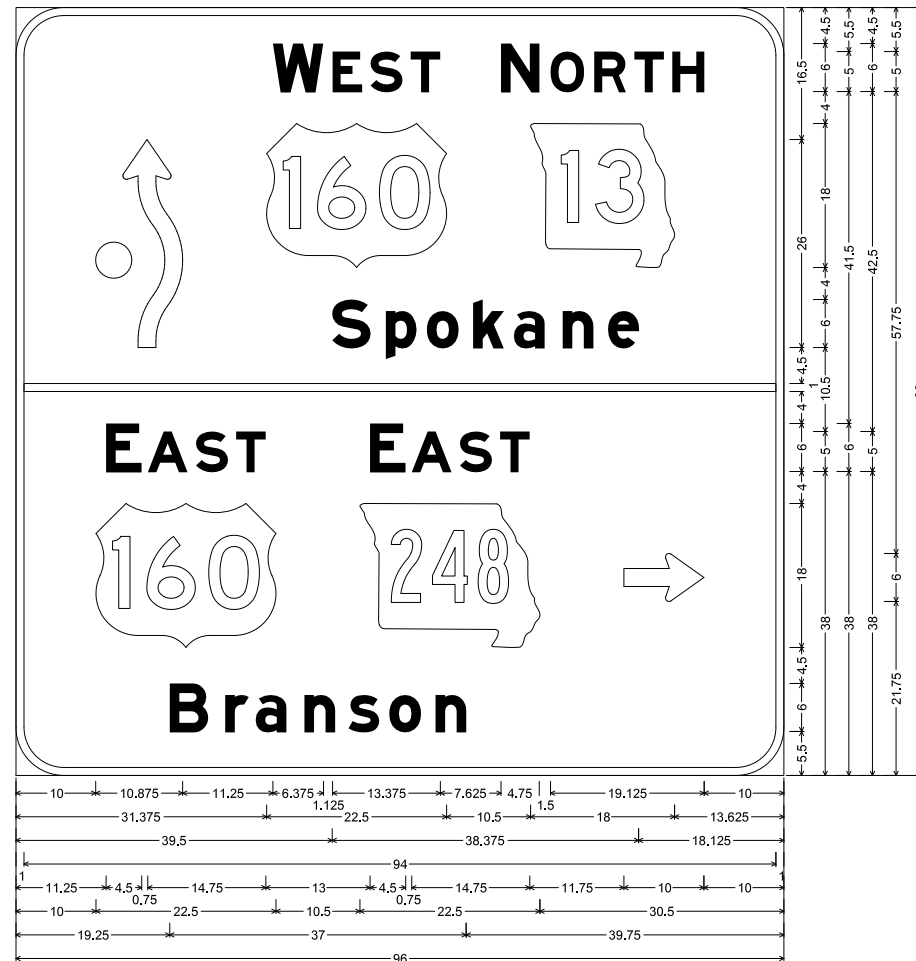


D1-1e ST-STRUCTURAL;
 3,000" Radius, 1,000" Border, White on, Green;
 "SOUTH", E Mod; "WEST", E Mod; Standard Arrow Custom 12,250" X 7,125" 45";
 "Branson West", E Mod;

Table of letter and object lefts

S	O	U	T	H	W	E	S	T
6,000	11,875	17,375	22,375	27,125	38,875	46,375	51,125	56,125
9,625	38,125	68,375						
B	r	a	n	s	W	e	s	t
10,125	17,000	20,875	26,875	32,375	37,500	43,250	53,125	60,875
							66,000	70,875

SIGN NO.	15
STATION	110+71.50
ROADWAY	13

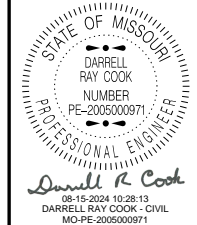


D1-2d ST-STRUCTURAL;
 6,000" Radius, 1,000" Border, White on, Green;
 "WEST", E Mod; "NORTH", E Mod; "Spokane", E Mod; "EAST", E Mod; "EAST", E Mod; "Branson", E Mod;
 Standard Arrow Custom 10,000" X 6,000" 0";

Table of letter and object lefts

W	E	S	T	N	O	R	T	H
32,125	39,625	44,375	49,375	60,625	66,875	72,250	77,250	82,000
31,375	64,375							
S	p	o	k	a	n	e		
39,500	46,250	51,375	57,125	62,250	68,375	74,000		
1,000								
E	A	S	T	E	A	S	T	=>
11,250	16,500	22,500	27,500	44,250	49,500	55,500	60,500	76,000
10,000	43,000							
B	r	a	n	s	o	n		
19,250	26,125	30,000	36,125	41,625	46,625	52,500		

SIGN NO.	19
STATION	112+74.00
ROADWAY	13



DATE PREPARED
 8/14/2024

ROUTE	STATE
13	MO
DISTRICT	SHEET NO.
SW	37

COUNTY
 STONE

JOB NO.
 JSR0094

CONTRACT ID.

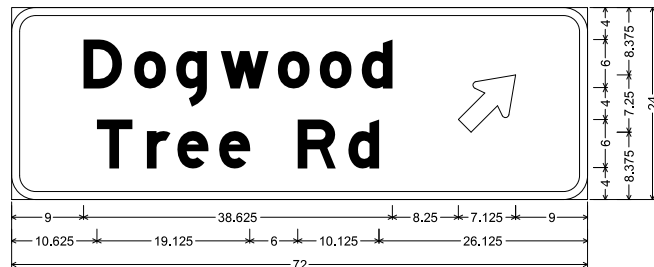
PROJECT NO.

BRIDGE NO.

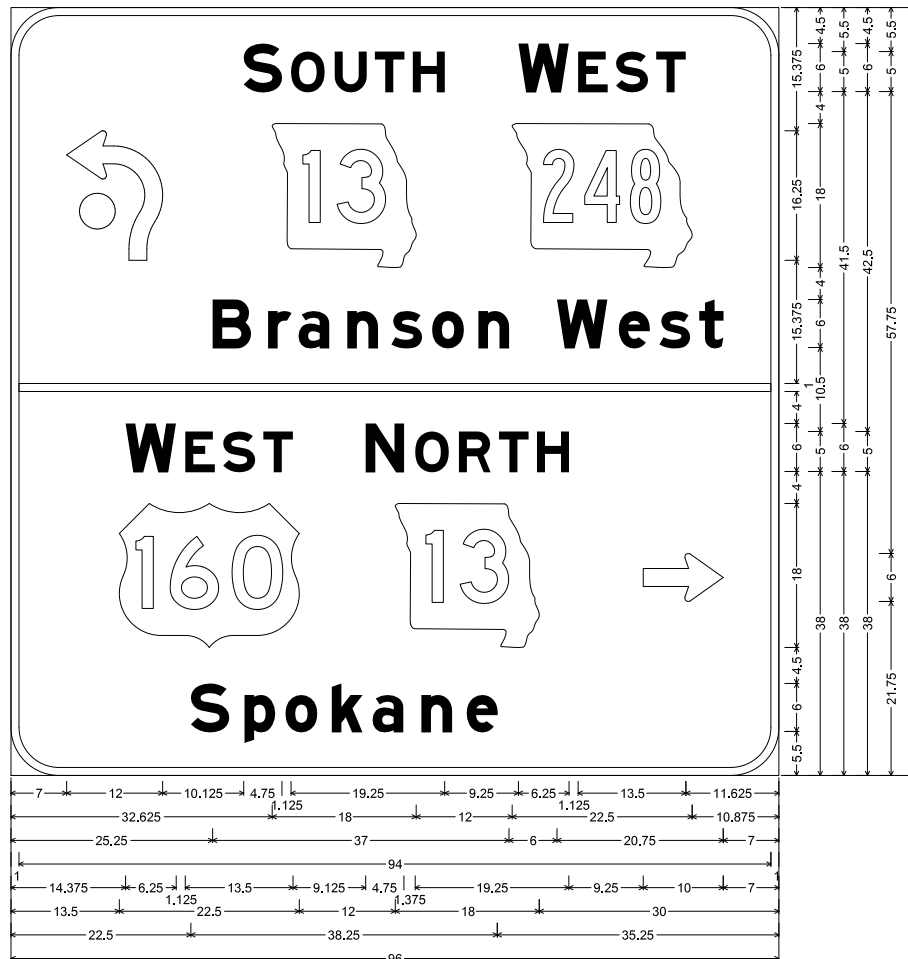
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



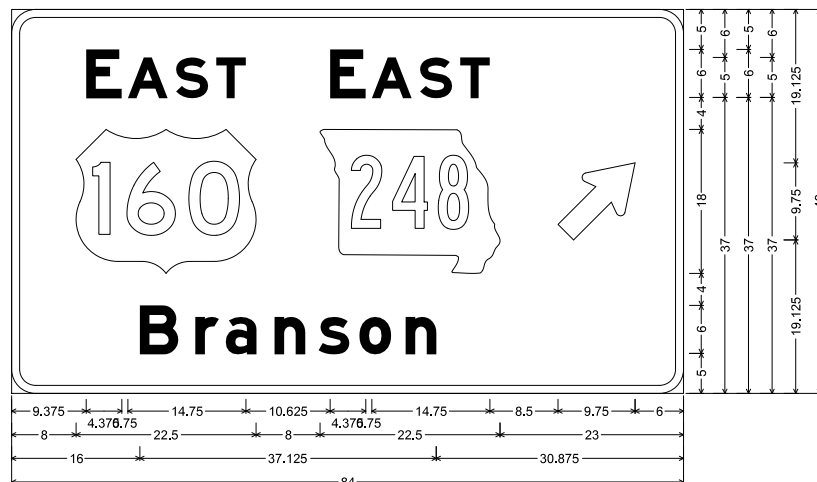
SIGN NO.	26
STATION	34+47.30
ROADWAY	DOGWOOD TREE



SIGN NO.	34
STATION	208+75.00
ROADWAY	248

D1-1d ST-STRUCTURAL:
3,000" Radius, 1,000" Border, White on, Green;
"Dogwood", E Mod; "Tree Rd", E Mod; Standard Arrow Custom 9,000" X 6,000" 45";
Table of letter and object lefts

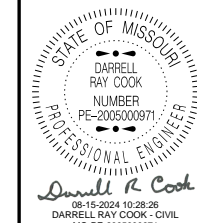
D	o	g	w	o	o	d	↗
9,000	15,375	20,625	26,125	33,250	38,500	43,750	55,875
T	r	e	e	R	d		
10,625	16,875	20,750	26,000	35,750	42,125		



SIGN NO.	30
STATION	207+41.91
ROADWAY	248

D1-2d ST-STRUCTURAL:
6,000" Radius, 1,000" Border, White on, Green;
"SOUTH", E Mod; "WEST", E Mod; "Branson West", E Mod; "WEST", E Mod; "NORTH", E Mod;
"Spokane", E Mod; Standard Arrow Custom 10,000" X 6,000" 0";
Table of letter and object lefts

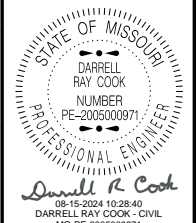
S	O	U	T	H	W	E	S	T		
7,000	29,125	35,000	40,500	45,500	50,250	63,500	70,875	80,625		
↙	↗									
32,625	62,625									
B	r	a	n	s	o	n	w	e	s	t
25,250	32,125	36,000	42,000	47,500	52,625	58,375	68,250	76,000	81,125	86,000
1,000										
W	E	S	T	N	O	R	T	H	=>	
14,375	21,750	26,500	31,500	44,375	50,500	56,000	61,000	65,750	79,000	
↙	↗									
13,500	48,000									
S	p	o	k	a	n	e				
22,500	29,250	34,375	40,125	45,250	51,250	57,000				



DATE PREPARED
8/14/2024
ROUTE
13 MO
DISTRICT
SW SHEET NO.
38
COUNTY
STONE
JOB NO.
JSR0094
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

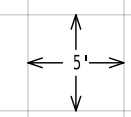
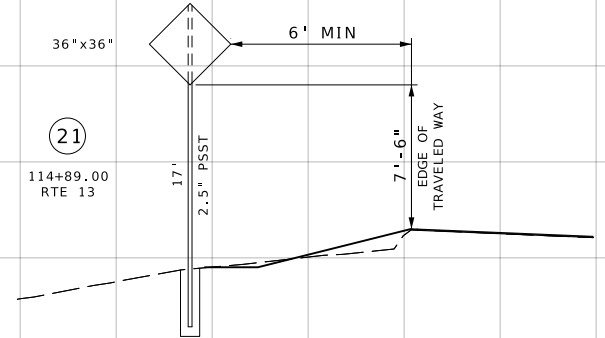
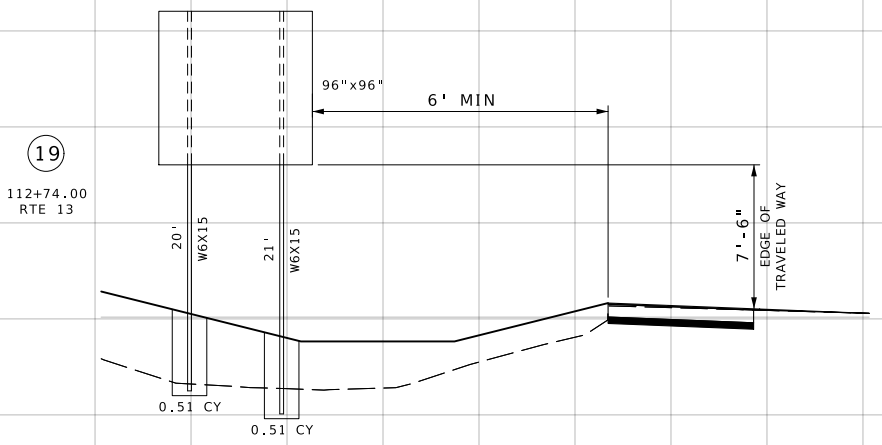
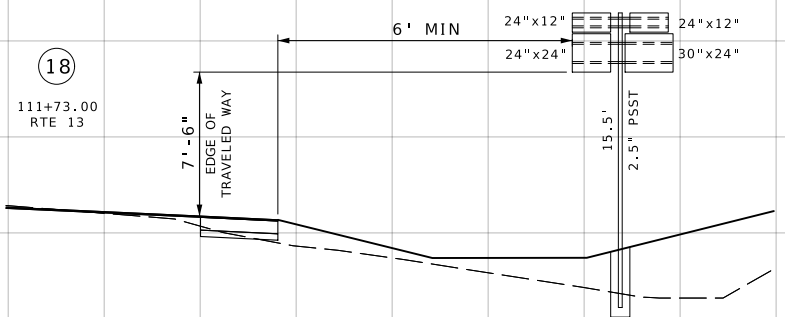
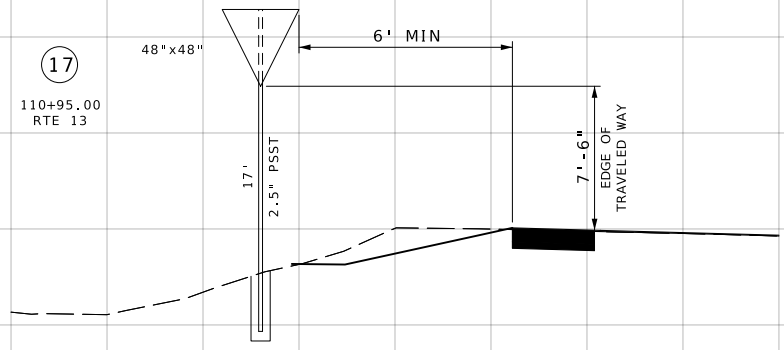
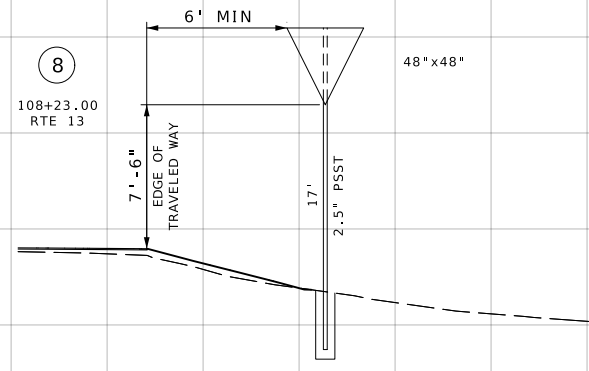
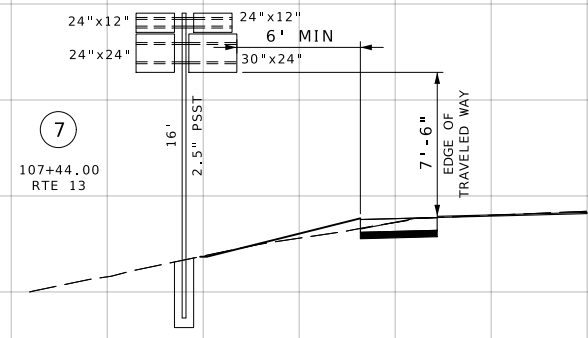
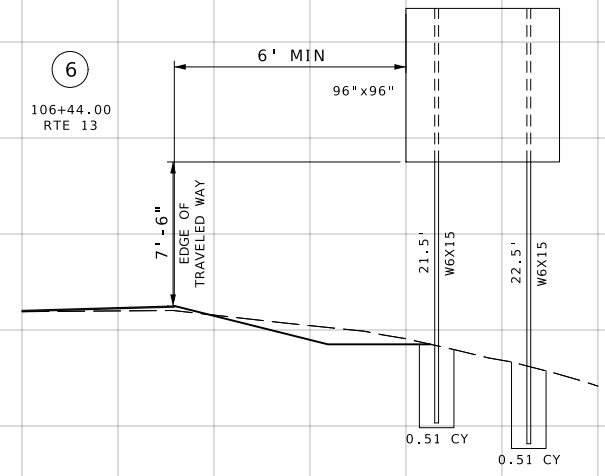
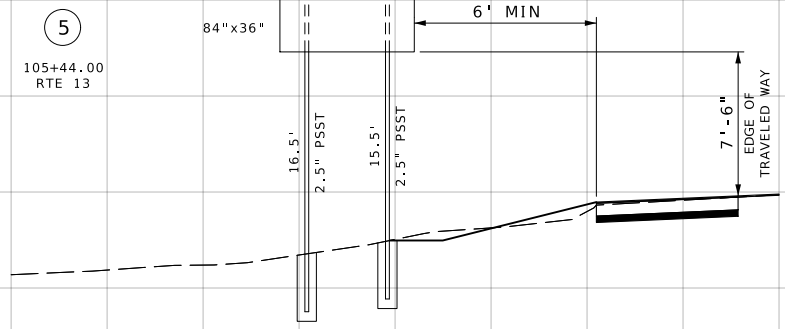
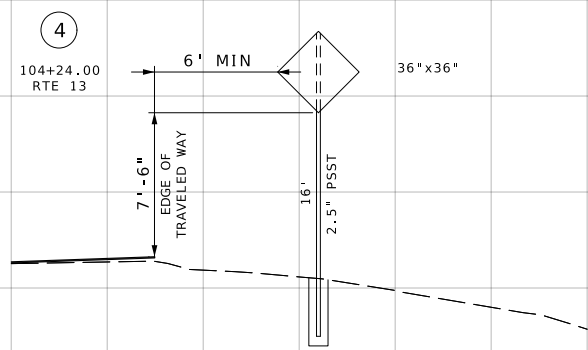
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



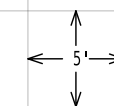
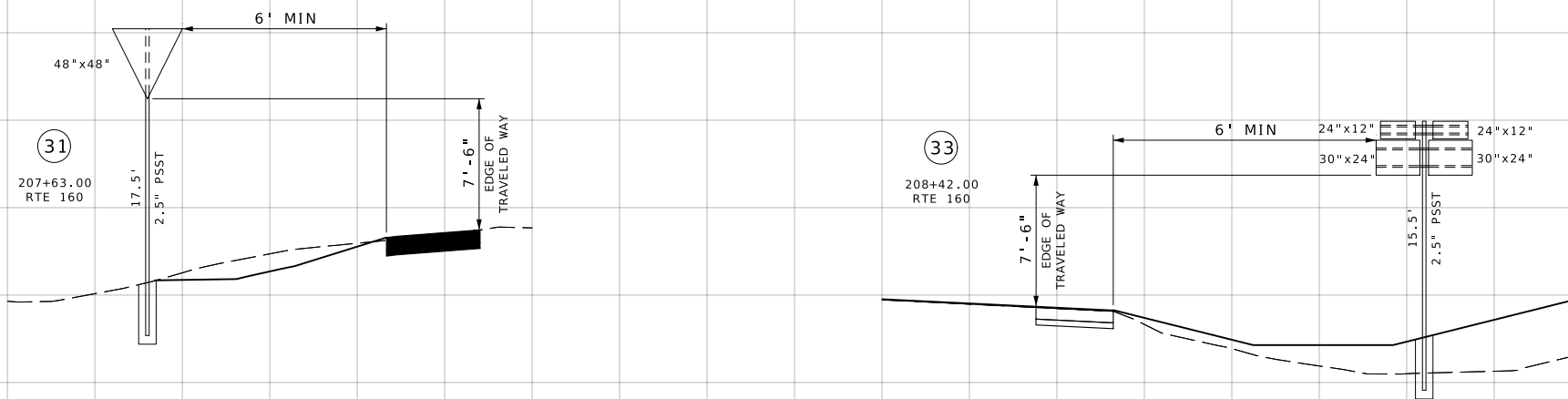
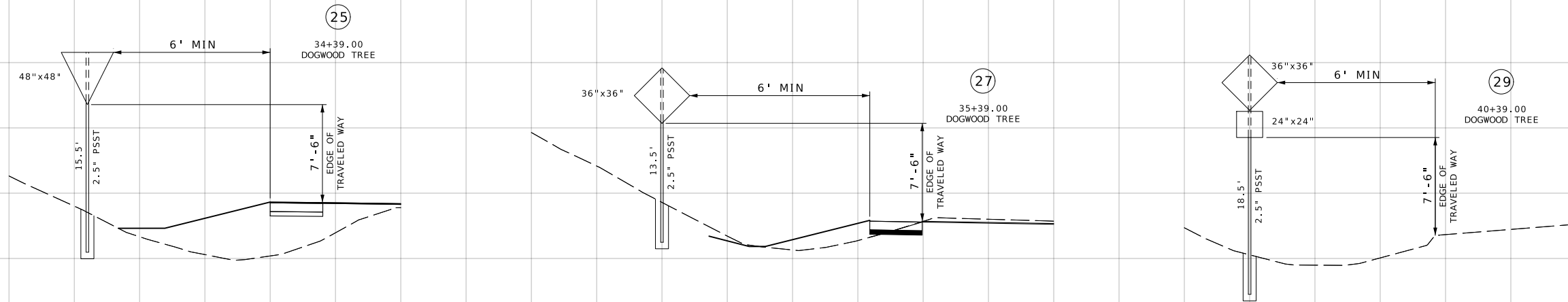
DATE PREPARED
8/14/2024
ROUTE 13 STATE MO
DISTRICT SW SHEET NO. 39
COUNTY STONE
JOB NO. JSR0094
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION

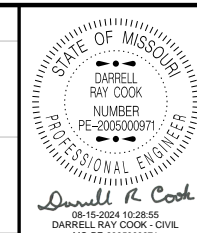
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



SIGNING SHEET
CROSS SECTIONS
SHEET 1 OF 2



SIGNING SHEET
CROSS SECTIONS
SHEET 2 OF 2



DATE PREPARED
8/14/2024
ROUTE 13 STATE MO
DISTRICT SW SHEET NO. 40
COUNTY STONE
JOB NO. JSR0094
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)

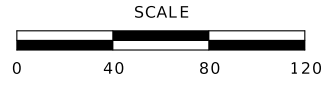
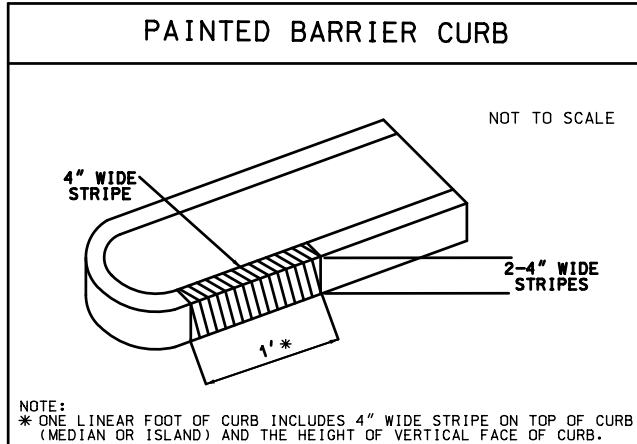
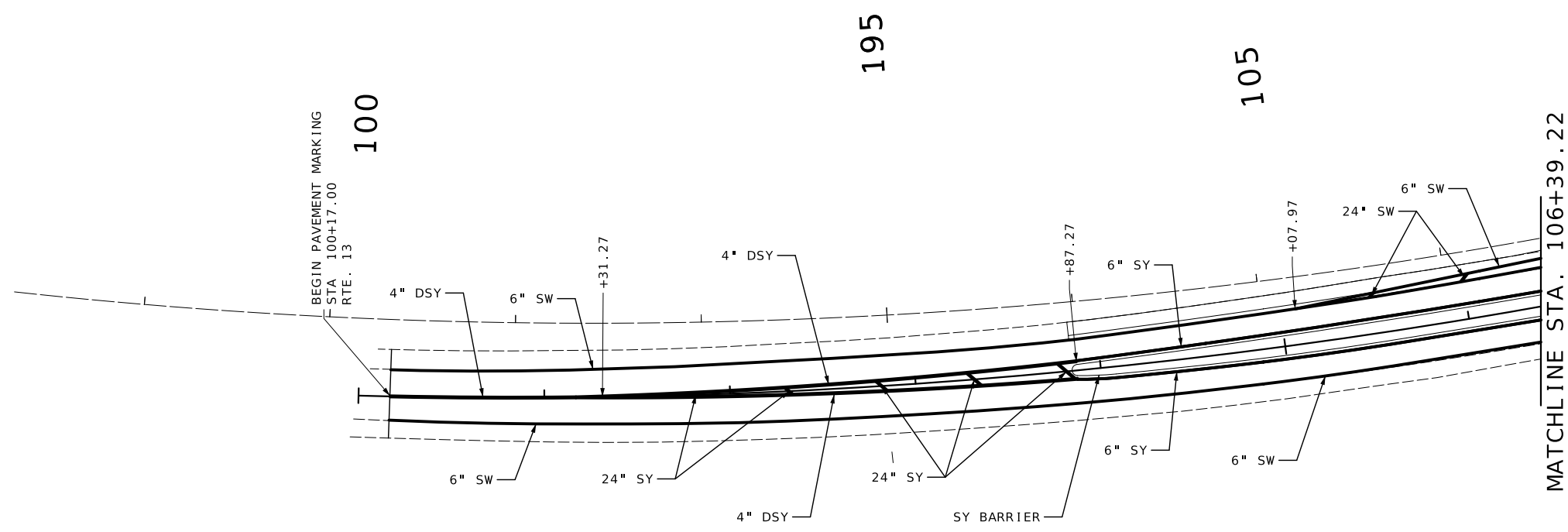
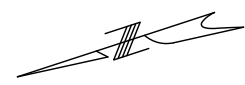
ABBREVIATIONS:
 DSY - DOUBLE SOLID YELLOW LINE
 SY - SOLID YELLOW LINE
 SW - SOLID WHITE LINE



Darrell R Cook
 08-15-2024 10:29:11
 DARRELL RAY COOK - CIVIL
 MO-PE-2005000971

DATE PREPARED
8/14/2024

ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 41
COUNTY STONE	
JOB NO. JSR0094	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



PAVEMENT MARKING SHEET
 RTE. 13 NORTH LEG
 SHEET 1 OF 5

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

MoDOT

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



Darrell R. Cook
08-15-2024 10:29:27
DARRELL RAY COOK - CIVIL
MO-PE-2005000971

DATE PREPARED
8/14/2024

ROUTE 13 STATE MO

DISTRICT SW SHEET NO. 42

COUNTY

STONE

JOB NO.
JSR0094

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

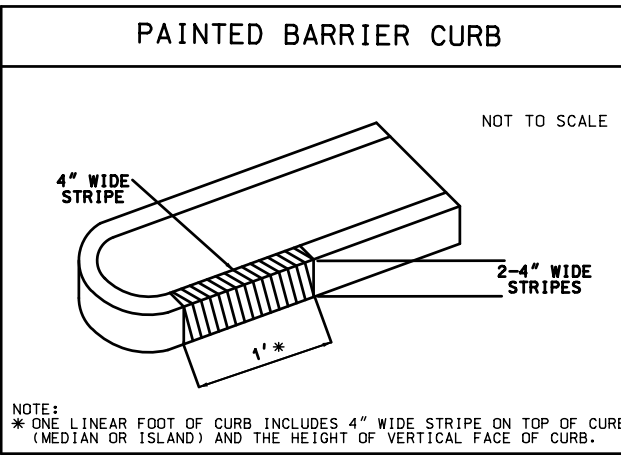
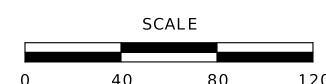
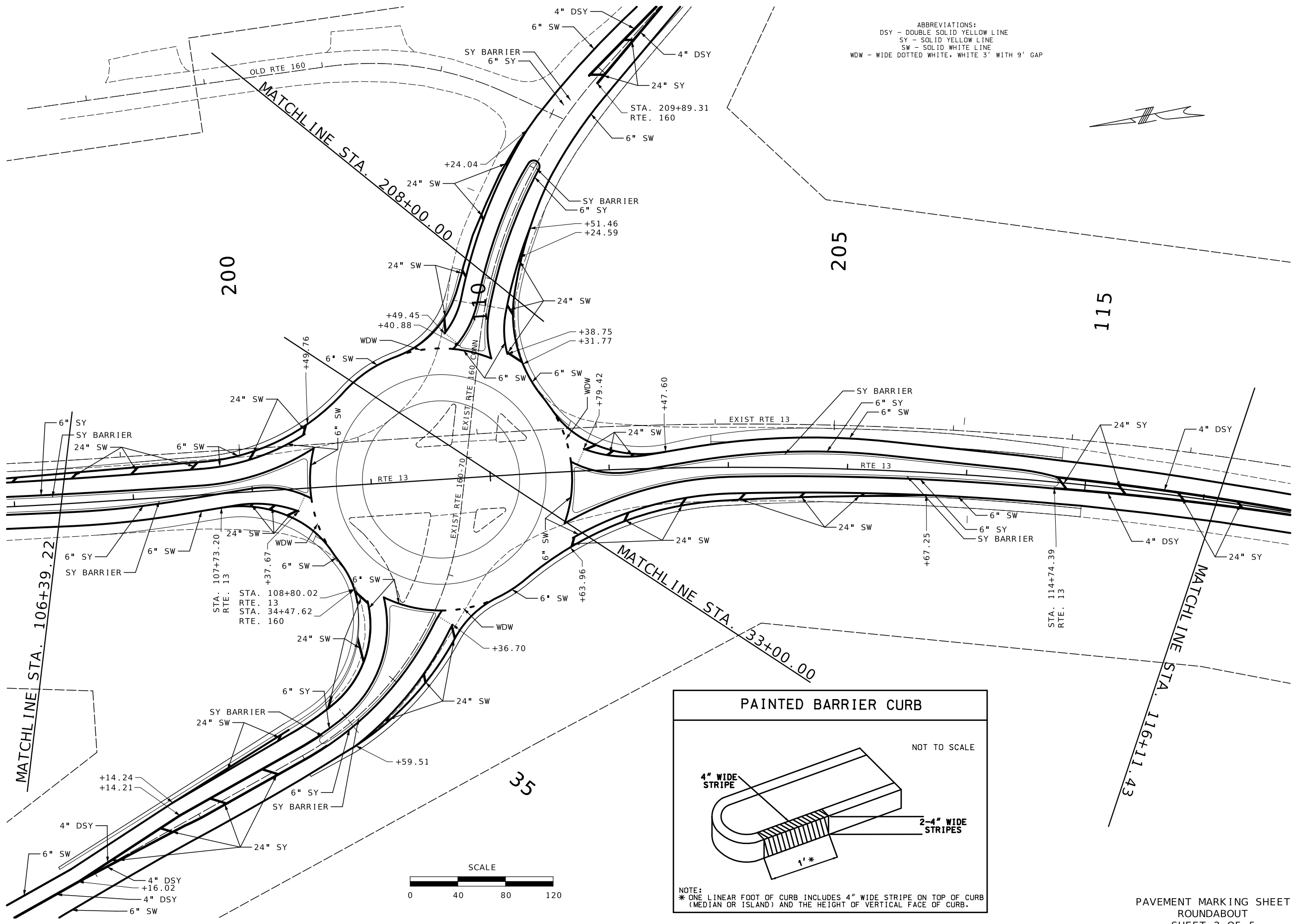
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

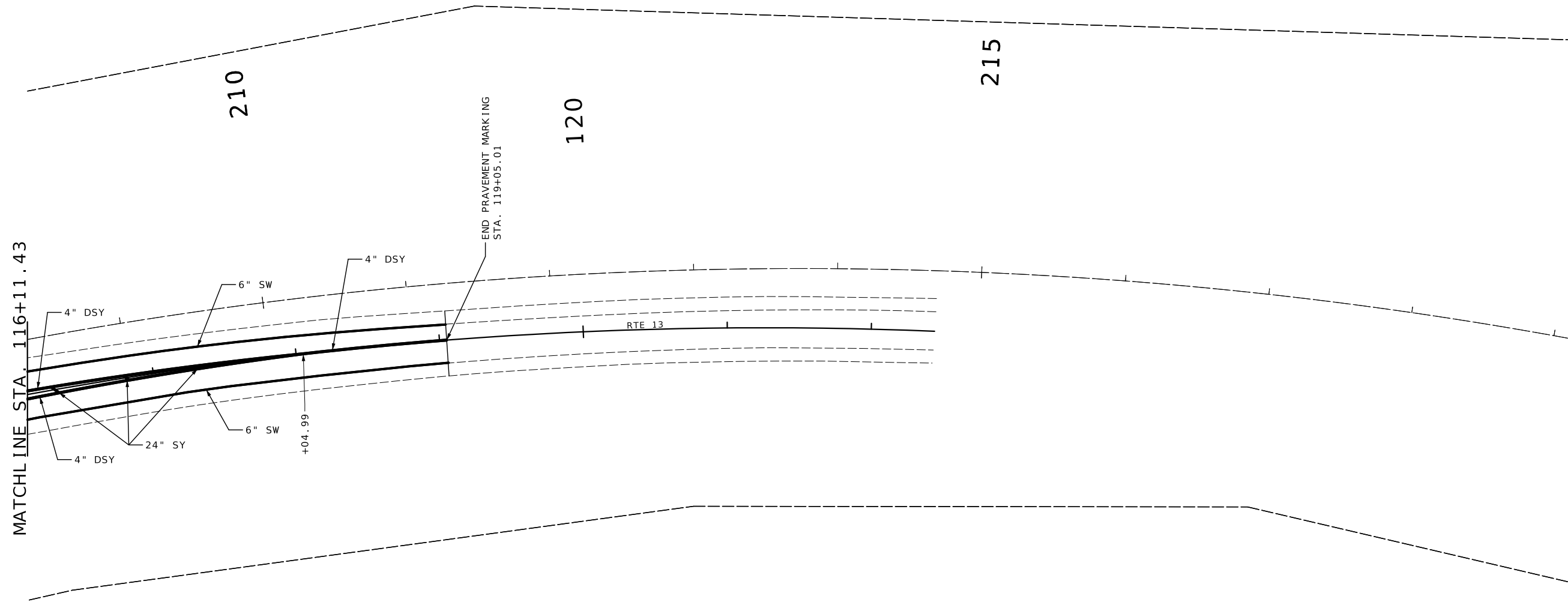
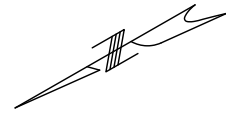


105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

ABBREVIATIONS:
DSY - DOUBLE SOLID YELLOW LINE
SY - SOLID YELLOW LINE
SW - SOLID WHITE LINE
WDW - WIDE DOTTED WHITE, WHITE 3' WITH 9' GAP



ABBREVIATIONS:
 DSY - DOUBLE SOLID YELLOW LINE
 SY - SOLID YELLOW LINE
 SW - SOLID WHITE LINE



MATCHLINE STA. 116+11.43

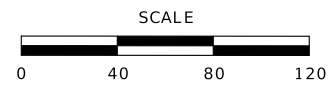
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 STA. 119+05.01

RTE 13

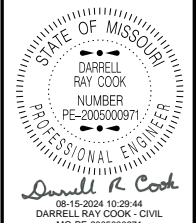
210

120

215




PAVEMENT MARKING SHEET
 RTE. 13 SOUTH LEG
 SHEET 3 OF 5



DATE PREPARED
 8/14/2024
 ROUTE 13 STATE MO
 DISTRICT SW SHEET NO. 43
 COUNTY STONE
 JOB NO. JSR0094
 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)



Darrell R. Cook
 08-16-2024 10:28:58
 DARRELL RAY COOK - CIVIL
 MO-PE-2005000971

DATE PREPARED
8/14/2024

ROUTE STATE
13 MO

DISTRICT SHEET NO.
SW 44

COUNTY
STONE

JOB NO.
JSR0094

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

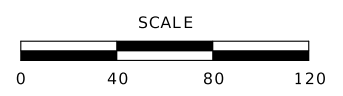
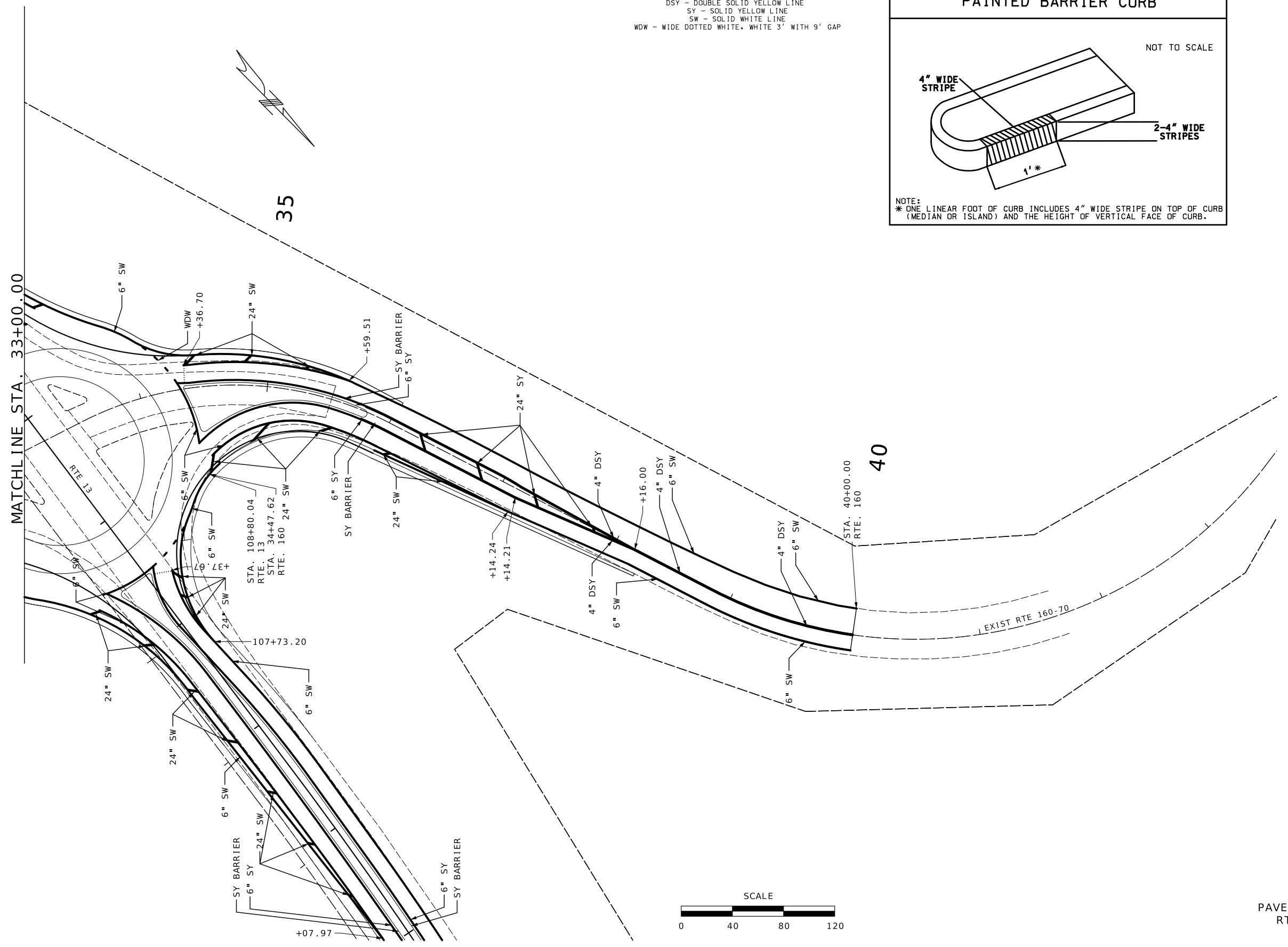
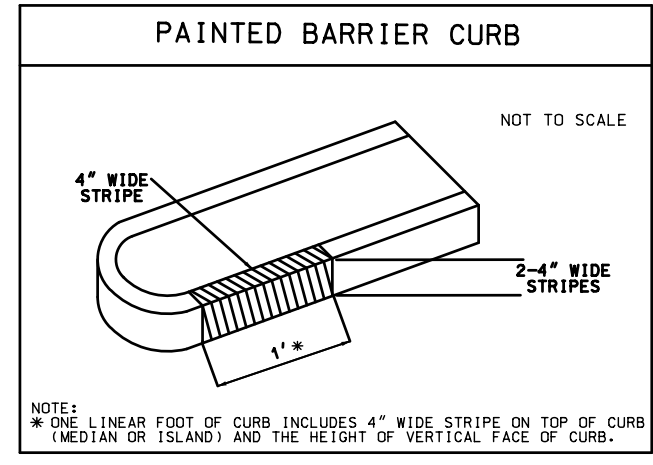
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
 COMMISSION

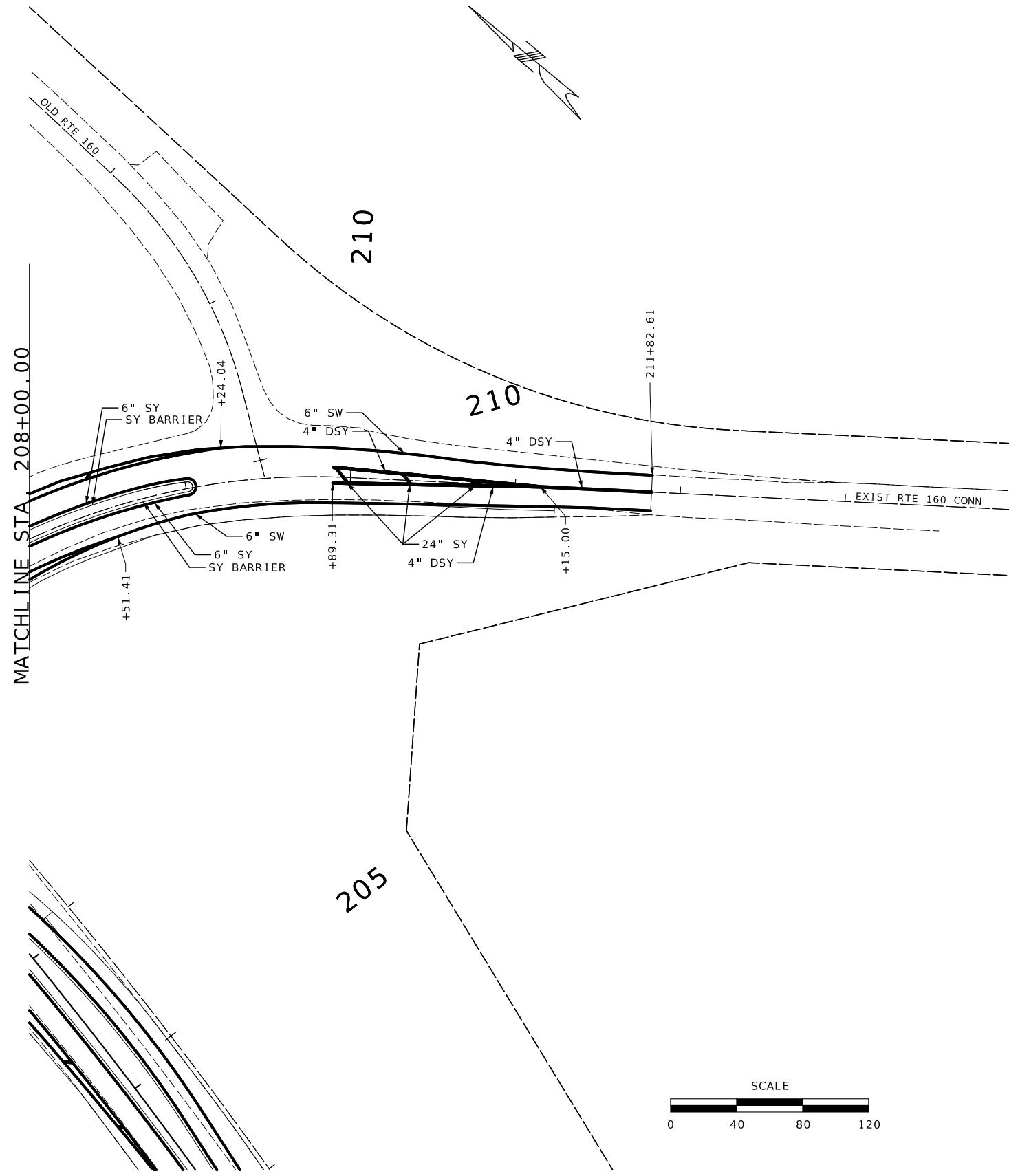


105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-275-6636)

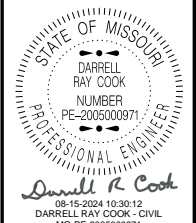
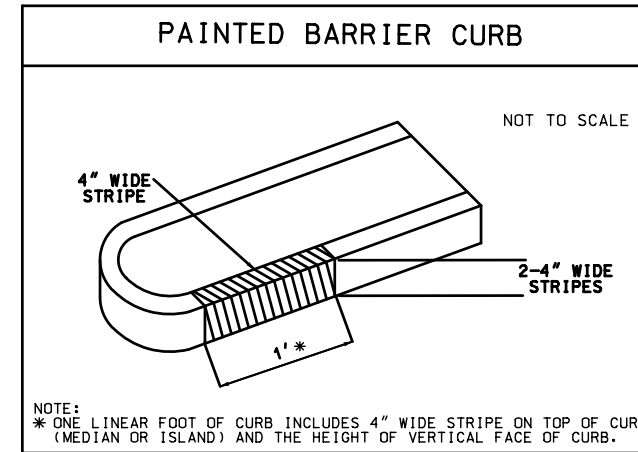
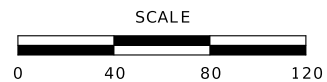
ABBREVIATIONS:
 DSY - DOUBLE SOLID YELLOW LINE
 SY - SOLID YELLOW LINE
 SW - SOLID WHITE LINE
 WDW - WIDE DOTTED WHITE, WHITE 3' WITH 9' GAP



PAVEMENT MARKING SHEET
 RTE. 160 WEST LEG
 SHEET 4 OF 5



ABBREVIATIONS:
 DSY - DOUBLE SOLID YELLOW LINE
 SY - SOLID YELLOW LINE
 SW - SOLID WHITE LINE



DATE PREPARED
8/14/2024

ROUTE 13	STATE MO
DISTRICT SW	SHEET NO. 45

COUNTY
STONE

JOB NO.
JSR0094

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)