

DESIGN DESIGNATION

AADT - 2024 = 2636

DHV = 10%

T = 8%

V = 55 MPH

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL

NO NEW RIGHT OF WAY

CONVENTIONAL SYMBOLS

(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS		
OVERHEAD TELEPHONE		
UNDERGROUND TELEPHONE		
OVERHEAD POWER		
UNDERGROUND POWER		
GAS		
WATER		
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY

BOLLINGER/STODDARD COUNTY

PROJECT LIMITS
RESURFACE AND SHOULDERS

LOG MI 59.289

LOG MI 95.485

Map showing project limits, resurface and shoulders, and various landmarks including Sweetgum Access, Duck Creek CA, and various townships (e.g., Puxico, Asherville, Dudley, Dexter).

Map coordinates: R8E|R9E, R9E|R10E, R10E|R11E, T25N, T26N, T27N, T28N, T29N.

INDEX OF SHEETS	
DESCRIPTION	SHEET NUMBER
TITLE SHEET -----	1
TYPICAL SECTIONS (TS) (3 SHEETS)---	2
QUANTITIES (QU) (4 SHEETS)-----	3
SPECIAL SHEETS (SS)-----	4-8
TRAFFIC CONTROL SHEETS (TC)-----	9
SIGNING (SN)-----	10-13

STATE OF MISSOURI

THOMAS NEAL TAEGTMEYER

NUMBER PE-2014000093

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/28/2024

ROUTE 51	STATE MO
DISTRICT SE	SHEET NO. 1

COUNTY
BOLLINGER/STODDARD

JOB NO.
JSE0113

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION									
DATE									

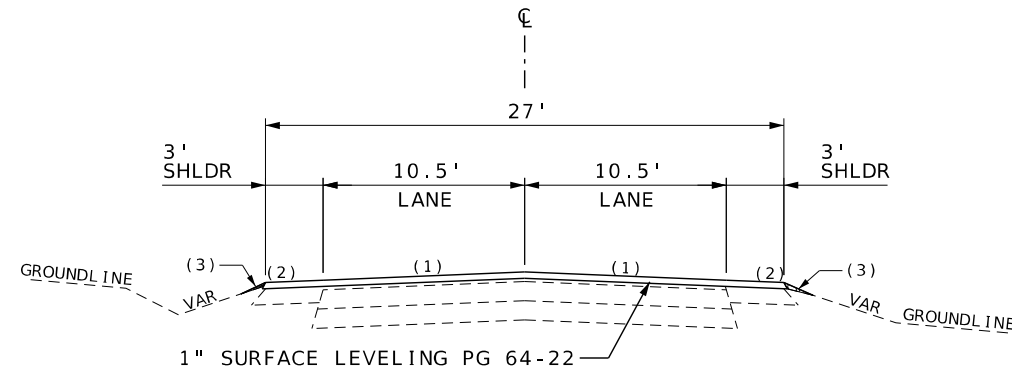
TRANSPORTATION
ON

105 WEST CAPITOL
BRIDGES
ST. LOUIS, MO 63102
TEL (1-888-275-6636)

LENGTH OF PROJECT

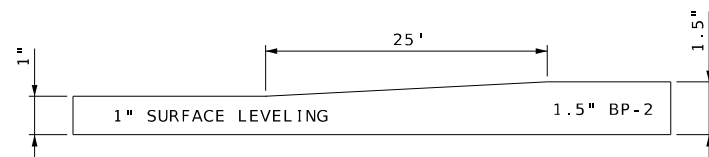
BEGINNING OF PROJECT	LOG MI	59.289	
END OF PROJECT	LOG MI	95.485	
APPARENT LENGTH		191114.88 FEET	
EQUATIONS AND EXCEPTIONS			
LM 67.034 TO LM 67.070 (A9091)		-190 FEET	
LM 67.292 TO LM 67.360 (A8834)		-360 FEET	

TOTAL CORRECTIONS	-550 FEET
NET LENGTH OF PROJECT	190564.88 FEET
STATE LENGTH	36.092 MILES

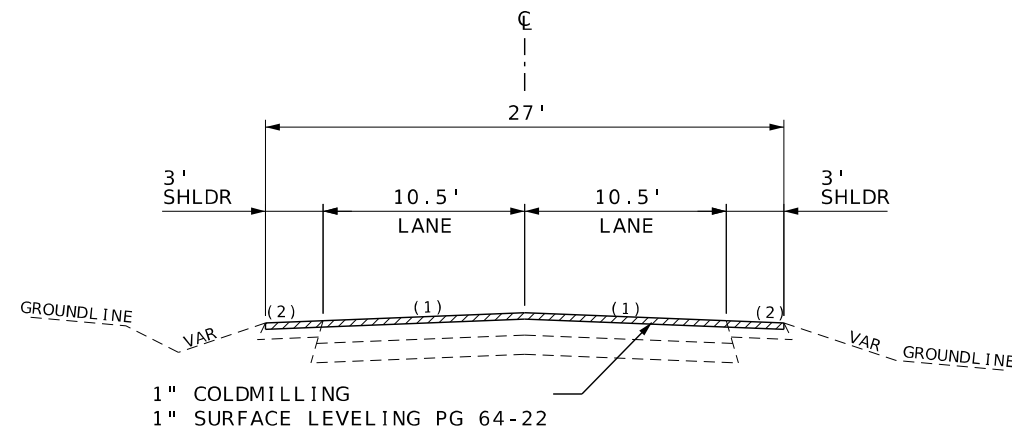


SECTION ON TANGENT
TYPICAL SECTION RTE 51

LOG MILE 59.289 TO 67.015
LOG MILE 67.535 TO 71.527
LOG MILE 71.551 TO 74.283
LOG MILE 74.340 TO 76.772



PAVEMENT THICKNESS TRANSITION
LOG MILE 76.772 to 76.776



SECTION ON TANGENT
TYPICAL SECTION RTE 51

LOG MILE 67.015 TO 67.535
LOG MILE 71.527 TO 71.551
LOG MILE 74.283 TO 74.340

- (1) MATCH EXISTING SLOPES
- (2) SAFETY EDGE, SEE STANDARD PLANS
- (3) AGGREGATE EDGE TREATMENT

TYPICAL SECTION
SHEET 1 OF 3

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS



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ELECTRONICALLY.

DATE PREPARED
2/28/2024

ROUTE 51	STATE MO
DISTRICT SE	SHEET NO. 2

COUNTY
BOLLINGER/STODDARD

JOB NO.
JSE0113

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

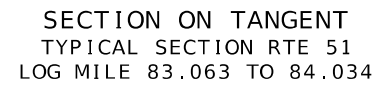
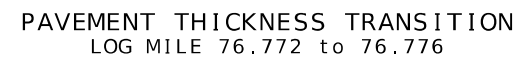
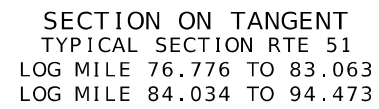
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MoDOT

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

Pickering

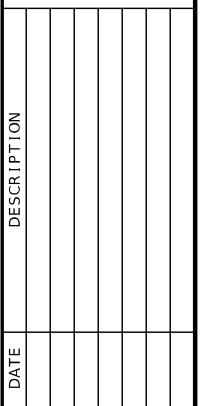
Pickering Firm, Inc.
317 South Church Street
Jonesboro, AR 72401
Phone: 870.336.0117
Missouri Certificate of Authority No. 2012006790



- (1) MATCH EXISTING SLOPES
- (2) SAFETY EDGE, SEE STANDARD PLANS
- (3) AGGREGATE EDGE TREATMENT

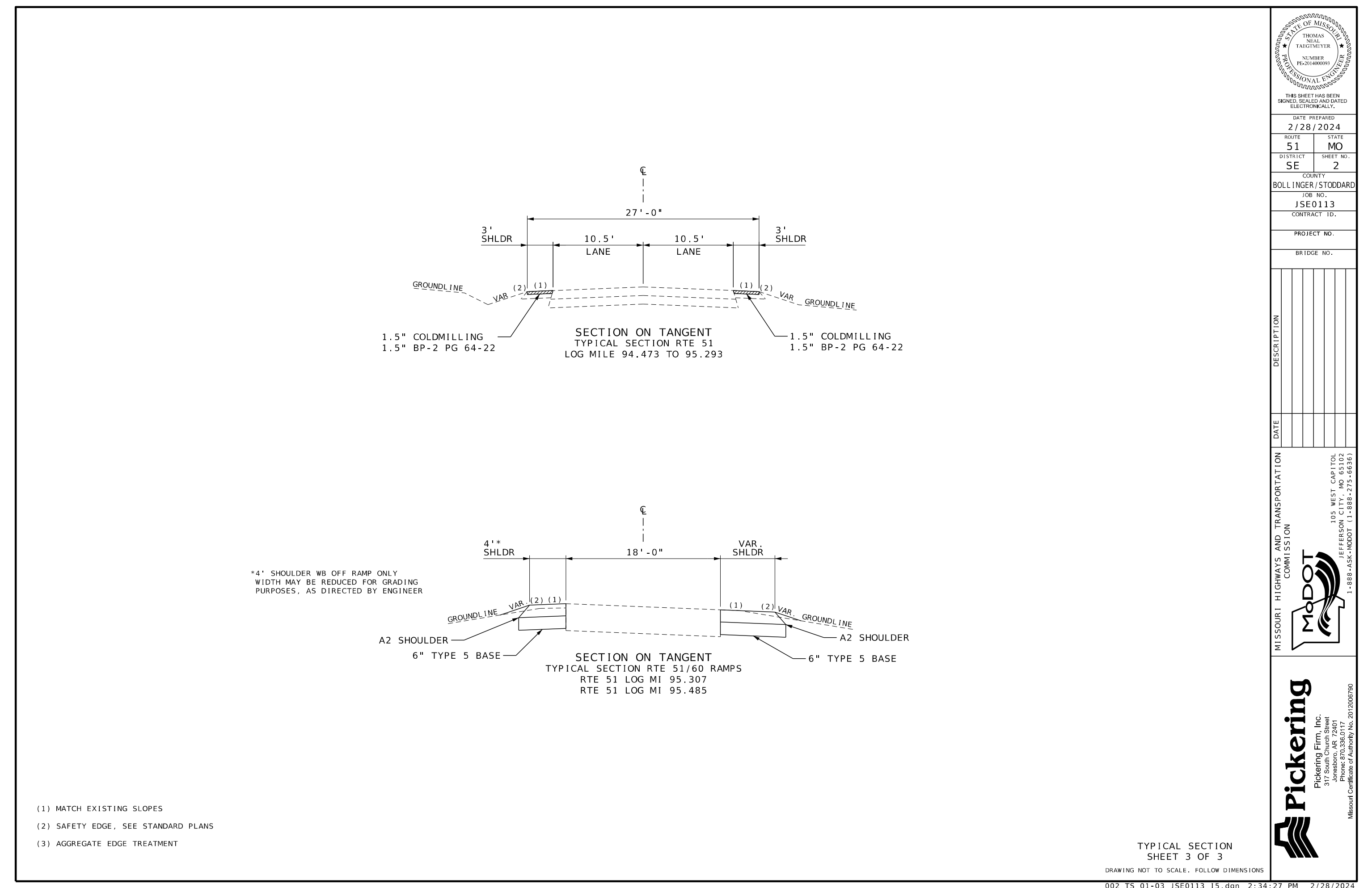
TYPICAL SECTION
SHEET 2 OF 3

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS



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





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DATE PREPARED
2/28/2024

ROUTE	STATE
51	MO
DISTRICT	SHEET NO.
SE	2

COUNTY
BOLLINGER/STODDARD

JOB NO.
JSE0113

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



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



Pickering
Pickering Firm, Inc.
317 South Church Street
Jonesboro, AR 72401
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TYPICAL SECTION
SHEET 3 OF 3
DRAWING NOT TO SCALE. FOLLOW DIMENSIONS

BITUMINOUS PAVEMENT									
LOG MI	LOG MI	LENGTH FT	LOC	AVG WIDTH FT	THICKNESS IN	SURFACE LEVELING PG 64-22 2.034 TON/CY TON	BP-2 PG64-22 2.040 TON/CY TON	TACK 0.08 GAL/SY GAL	REMARKS
59.289	59.300	58.08	CL	VAR	1	24.29		34.4	BEGIN PROJECT RADI I
59.300	67.015	40735.20	CL	27	1	6904.62		9776.4	
67.015	67.034	100.00	CL	27	1	16.95		24.0	
67.070	67.292	1172.16	CL	27	1	198.68		281.3	
67.360	67.535	924.00	CL	27	1	156.62		221.8	
67.535	76.772	48771.36	CL	27	1	8266.75		11705.1	
76.772	76.776	25.00	CL	27	1.25		5.30	6.0	PAVEMENT THICKNESS TRANSITION
76.776	94.473	93440.16	CL	27	1.5		23827.24	22425.6	
94.473	94.647	918.72	LT/RT	6	1.5		52.06	49.0	SHOULDERS ONLY
94.737	95.293	2935.68	LT/RT	6	1.5		166.36	156.6	SHOULDERS ONLY
59.289	94.473		LT/RT	VAR		1737.88	1770.10		IRREGULARITIES 100 TONS / MILE
59.289	95.295		LT/RT	VAR		311.4	481.0		SAFETY EDGE
63.195			LT	VAR	1	19.17		22.3	RTE W RADIUS
66.907			RT	VAR	1	45.98		60.3	RTE H RADIUS
68.975			RT	VAR	1	59.4		79.5	RTE E RADIUS
71.385			RT	VAR	1	10.51		9.8	RTE P RADIUS
71.385			LT	VAR	1	18.79		21.7	RTE C RADIUS
76.731			LT	VAR	1	16.26		18.0	RTE K RADIUS
84.743			RT	VAR	1.5		36.68	25.6	RTE T RADIUS
86.917			LT	VAR	1.5		49.83	38.5	RTE J RADIUS
87.120			RT	VAR	1.5		41.73	31.2	RTE J RADIUS
89.146			RT	VAR	1.5		23.69	11.9	RTE AE RADIUS
59.289	95.308	10	LT/RT	VAR	VAR	65.92	99.17	186.7	PAVED CITY STREETS / COUNTY ROADS AVG W = 70'
59.289	95.308	2	LT/RT	VAR	VAR	9.42	18.89	31.1	PAVED ENTRANCES AVG W = 50'
59.289	95.308	10	LT/RT	VAR	3	146.90	136.00	133.3	NON PAVED CITY STREET / COUNTY ROADS AVG W = 60'
59.289	95.308	2	LT/RT	VAR	VAR	3.52	6.04	13.3	NON PAVED ENTRANCES WITH APRON AVG W = 40'
					TOTAL	18013.1	26714.1	45363	
LOG MILES ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER.									

GUARDRAIL						
LOG MI	LOC	MGS BRIDGE APPROACH TRANSITION SECTION (REGULAR / NO CURB) EA	MGS GUARDRAIL LF	MASH TYPE A CRASHWORTHY END TERMINAL EA	MODIFIED SHAPING SLOPES CLASS III LF	REMARKS
94.647	LT	1	150	1	262.5	BRIDGE A7030
94.647	RT	1	250	1	362.5	BRIDGE A7030
94.737	LT	1	250	1	362.5	BRIDGE A7030
94.737	RT	1	150	1	262.5	BRIDGE A7030
	TOTAL	4	800	4	1250	
LOG MILES ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER.						

PAVMENT MARKING									
LOG MI	LOG MI	LOC	WATERBORNE TYPE P BEADS 4" SOLID WHITE LF	WATERBORNE TYPE P BEADS 4" INT YELLOW LF	WATERBORNE TYPE P BEADS 4" SOLID YELLOW LF	HIGH BUILD WATERBORNE TYPE L BEADS 6" SOLID WHITE LF	HIGH BUILD WATERBORNE TYPE L BEADS 6" SOLID YELLOW LF	PREFORMED THERMOPLASTIC 24" STOP WHITE LF	REMARKS
59.289	95.485	RTE 51	358426	33904	150532			11	
		RAMPS				4586	464		RTE 51/60 INTERCHANGE
		TOTAL	358426	33904	150532	4586	464	11	
EXACT LOCATIONS TO BE DETERMIND BY THE CONTRACTOR IN ACCORDANCE WITH THE PAVEMENT MARKING LOG JSP.									

PERMANENT AGGREGATE EDGE TREATMENT					
LOG MI	LOG MI	LOC	LENGTH FT	PERM AGG EDGE TREATMENT TONS	REMARKS
59.289	94.473	LT	185772	2814.72	
59.289	94.473	RT	185772	2814.72	
			TOTAL	5629.4	
APPLICATION RATE MAY BE ADJUSTED AS APPROVED BY ENGINEER. PERMANENT AGGREGATE EDGE TREATMENT SHALL BE USED TO CONSTRUCT MAILBOX TURNOUTS THROUGHOUT THE PROJECT.					

REMOVAL OF IMPROVEMENTS			
LOG MI	LOC	LENGTH	REMARKS
94.647	LT	240	BRIDGE A7030 GUARDRAIL
94.647	RT	340	BRIDGE A7030 GUARDRAIL
94.737	LT	340	BRIDGE A7030 GUARDRAIL
94.737	RT	240	BRIDGE A7030 GUARDRAIL
		LUMP SUM 1	

MOBILIZATION - LUMP SUM 1

SEAL COAT							
LOG MI	LOG MI	LOC	LENGTH FT	WIDTH FT	EMULSIFIED ASHPALT, SEAL COAT 0.38 GAL/SY GAL	SEAL COAT AGGREGATE GRADE B1 SY	REMARKS
60.281	60.306	CL	130	21	115.3	303.3	BRIDGE H0860
62.245	62.264	CL	100	21	88.7	233.3	BRIDGE H0894
62.587	62.610	CL	120	21	106.4	280.0	BRIDGE H0861
77.821	77.835	CL	75	21	66.5	175.0	BRIDGE H0142
				TOTAL	377	992	



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2/28/2024

ROUTE 51 STATE MO
DISTRICT SE SHEET NO. 3

COUNTY
BOLLINGER/STODDARD

JOB NO.
JSE0113

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

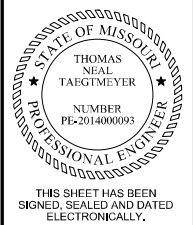
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Pickering
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317 South Church Street
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COLDMILLING						
LOG MI	LOG MI	LENGTH FT	WIDTH FT	MODIFIED COLDMILLING DEPTH TRANSITION SY	COLDMILLING BIT PVMT 3" OR LESS SY	REMARKS
59.289	59.300	58.08	VAR		430.0	BEGIN JOB HWY 91 RADIUS
59.300	59.309	50	27	150.0		BEGIN JOB HWY 51 RADIUS
60.253	60.262	50	27	150.0		50' TRANSITION
60.262	60.325	332.64	27		997.9	BRIDGE H0860
60.325	60.334	50	27	150.0		50' TRANSITION
62.217	62.226	50	27	150.0		50' TRANSITION
62.226	62.283	300.96	27		902.9	BRIDGE H0894
62.283	62.292	50	27	150.0		50' TRANSITION
62.559	62.568	50	27	150.0		50' TRANSITION
62.568	62.629	322.08	27		966.2	BRIDGE H0861
62.629	62.638	50	27	150.0		50' TRANSITION
63.195		25	20	60.7		RTE W AT RADIUS
66.907		25	21	59.5		RTE H AT RADIUS
67.006	67.015	50	27	150.0		50' TRANSITION
67.015	67.034	100	27		300.0	1" MILL/FILL THROUGH FLOOD ZONE
67.070	67.292	1172.16	27		3516.5	1" MILL/FILL THROUGH FLOOD ZONE
67.360	67.535	924	27		2772.0	1" MILL/FILL THROUGH FLOOD ZONE
67.535	67.544	50	27	150.0		50' TRANSITION
68.975		25	22	57.3		RTE E AT RADIUS
71.395		25	21	63.8		RTE P AT RADIUS
71.385		25	22	62.0		RTE C AT RADIUS
71.518	71.527	50	27	150.0		50' TRANSITION
71.527	71.551	126.72	27		380.2	1" MILL/FILL THROUGH DOLLAR GENERAL DRIVEWAY
71.551	71.560	50	27	150.0		50' TRANSITION
74.274	74.283	50	27	150.0		50' TRANSITION
74.283	74.340	300.96	27		902.9	1" MILL/FILL THROUGH BOX CULVERT A6639
74.340	74.349	50	27	150.0		50' TRANSITION
76.731		25	21	62.7		RTE K AT RADIUS
77.788	77.802	75	27	225.0		75' TRANSITION
77.802	77.854	274.56	27		823.7	BRIDGE H0142
77.854	77.868	75	27	225.0		75' TRANSITION
83.049	83.063	75	27	225.0		75' TRANSITION
83.063	84.034	5126.88	27		15380.6	1.5" MILL/FILL THROUGH PUXICO
84.034	84.048	75	27	225.0		75' TRANSITION
84.743		37.5	22	111.7		RTE T AT RADIUS
86.917		37.5	22	105.6		RTE J AT RADIUS
87.120		37.5	22	101.0		RTE J AT RADIUS
89.146		37.5	22	130.2		RTE AE AT RADIUS
94.440	94.454	75	27	225.0		TRANSITION TO CONCRETE PAVEMENT
94.454	94.473	100	27		300.0	100' BUFFER
94.473	94.647	75	6	50.0		SHOULDERS ONLY
94.737	95.293	75	6	50.0		SHOULDERS ONLY
59.289	95.308	2	VAR	444.4		PAVED ENTRANCES AVG W = 50'
59.289	95.308	10	VAR	888.9		PAVED CITY STREETS / COUNTY ROADS AVG W = 70'
			TOTAL	5323	27673	
LOG MILES ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER.						

GRAVEL A OR CRUSHED STONE B				
LOG MI	LOG MI	LOC	GRAVEL A OR CRUSHED STONE B TONS	REMARKS
59.289	95.293	VAR	550	NON-PAVED ENTRANCES
		TOTAL	550	
LOG MILES ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER.				

BITUMINOUS RUMBLE STRIPS					
LOG MI	LOG MI	LOC	LENGTH FT	SHOULDER RUMBLE STA	REMARKS
59.289	83.063	LT	125526.7	1255.27	
59.289	83.063	RT	125526.7	1255.27	
84.034	95.293	LT	59447.5	594.48	
84.034	95.293	RT	59447.5	594.48	
VARIOUS		LT/RT	(1900)	(19)	BRIDGE EXCEPTIONS
		TOTAL		3680.5	
RUMBLE STRIPS SHALL BE OMITTED THROUGH DRIVEWAYS AND INTERSECTIONS. LOG MILES ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER.					



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ROUTE
51

STATE
MO

DISTRICT
SE

SHEET NO.
3

COUNTY
BOLLINGER/STODDARD

JOB NO.
JSE0113

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION						

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

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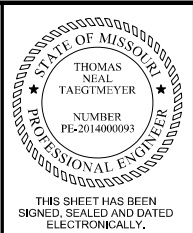
SIGN	SIZE IN.	AREA SQ. FT.	QTY EACH	TOTAL AREA SQ. FT.	QTY RELOC EACH	TOTAL RELOC SQ. FT.	SIGN NUM.	DESCRIPTION
WARNING SIGNS								
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)
WO1-4L	48X48	16.00						REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00						REVERSE CURVE (SYMBOL RIGHT)
WO1-4bL	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4bR	48X48	16.00						DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)
WO1-6	60X30	12.50						HORIZONTAL ARROW (SYMBOL)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)
WO1-8	18X24	3.00						CHEVRON (SYMBOL)
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00	10	160				BE PREPARED TO STOP
WO3-5	48X48	16.00						SPEED LIMIT AHEAD
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00	3	48				ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00						NARROW LANES
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00						BUMP
WO8-2	48X48	16.00						DIP
WO8-3	48X48	16.00						PAVEMENT ENDS
WO8-4	48X48	16.00						SOFT SHOULDER
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)
WO8-6	48X48	16.00						TRUCK CROSSING
WO8-6c	48X48	16.00						TRUCK ENTRANCE
WO8-7	36X36	9.00						LOOSE GRAVEL
WO8-7a	36X36	9.00						FRESH OIL / LOOSE GRAVEL
WO8-9	48X48	16.00						LOW SHOULDER
WO8-11	48X48	16.00	72	1152				UNEVEN LANES
WO8-12	48X48	16.00	36	576				NO CENTER LINE
WO8-15	48X48	16.00						GROOVED PAVEMENT
WO8-15P	30X24	5.00						MOTORCYCLE (PLAQUE)
WO8-17L	48X48	16.00						SHOULDER DROP-OFF (SYMBOL LEFT)
WO8-17R	48X48	16.00						SHOULDER DROP-OFF (SYMBOL RIGHT)
WO8-17P	30X24	5.00						SHOULDER DROP-OFF (PLAQUE)
W10-1	42RND.	9.62						RAILROAD CROSSING
WO12-1	24X24	4.00						DOUBLE DOWN ARROW (SYMBOL)
WO12-2	48X48	16.00						LOW CLEARANCE (SYMBOL)
WO12-2x	24X18	3.00						LOW CLEARANCE (PLAQUE)
WO12-2a	84X24	14.00						OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO12-4	120X60	50.00						LOW CLEARANCE XX FT XX IN XX MILES AHEAD
WO12-5	120X60	50.00						WIDTH RESTRICTION XX FT XX IN XX M

SIGN	SIZE IN.	AREA SQ. FT.	QTY EACH	TOTAL SQ. FT.	QTY RELOC EACH	TOTAL RELOC SQ. FT.	SIGN NUM.	
GUIDE SIGNS								DESCRIPTION
E05-1	36X48	12.00						GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	2	20				ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	2	16				END ROAD WORK
GO20-4	36X18	4.50	1	4.5				PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75	2	17.5				PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50	8	12				PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00						WORK ZONE (PLAQUE)
MO4-8a	24X18	3.00						END DETOUR
MO4-9L	48X36	12.00						DETOUR (LEFT)
MO4-9R	48X36	12.00						DETOUR (RIGHT)
MO4-9P	48X12	4.00						STREET NAME (PLAQUE)
MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)
MO4-10R	48X18	6.00						DETOUR ARROW (RIGHT)
REGULATORY SIGNS								
R1-1	48X48	13.25						STOP
R1-2	48TRI	6.93						YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00						SPEED LIMIT XX
R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00						NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00						NO TURNS
R3-4	48X48	16.00						NO U-TURN (SYMBOL)
R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25						RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00						DO NOT PASS
R4-2	36X48	12.00						PASS WITH CARE
R4-7a	36X48	12.00						KEEP RIGHT (HORIZONTAL ARROW)
R4-8a	36X48	12.00						KEEP LEFT (HORIZONTAL ARROW)
R5-1	30X30	6.25						DO NOT ENTER
R5-1a	36X24	6.00						WRONG WAY
R6-1L	54X18	6.75						ONE WAY ARROW (LEFT)
R6-1R	54X18	6.75						ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00						ONE WAY (LEFT)
R6-2R	24X30	5.00						ONE WAY (RIGHT)
R9-9	24X12	2.00						SIDEWALK CLOSED
R9-11L	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE
R9-11R	24X18	3.00						SIDEWALK CLOSED AHEAD, (ARROW RIGHT) CROSS HERE
R10-6	24X36	6.00						STOP HERE ON RED (45° ARROW)
R11-2	48X30	10.00						ROAD CLOSED
R11-3a	60X30	12.50						ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50						ROAD CLOSED TO THRU TRAFFIC
CONST-3A	60X48	20.00						FINE SIGN
CONST-3X	56X12	4.67						SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00						POINT OF PRESENCE
CONST-7	48X24	8.00	2	16				RATE OUR WORK ZONE
CONST-7	72X36	18.00						RATE OUR WORK ZONE
CONST-8	48X36	12.00	2	24				WORK ZONE NO PHONE ZONE
WO13-4P	36X36	9.00	3	27				ON RAMP
616-10.05 CONSTRUCTION SIGNS				TOTAL 2674				
616-10.10 RELOCATED SIGNS						TOTAL 0		

SEE STANDARD PLANS 616.20 FOR TRAFFIC CONTROL

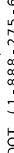
ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR (RELOCATION)
6123001		TRUCK MOUNTED ATTENUATOR (TMA)
6161008		ADVANCED WARNING RAIL SYSTEM
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161025	174	CHANNELIZER (TRIM LINE)
6161030		TYPE III MOVEABLE BARRICADE
6161033	19	DIRECTION INDICATOR BARRICADE
6161040		FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A	2	CHANGEABLE MESSAGE SIGN W/O COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE - CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED
6173602B		TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/COMMISSION RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
6176000B		TEMPORARY TRAFFIC BARRIER COMMISSION FURNISHED/RETAINED
6177000B		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION COMMISSION FURNISHED/RETAINED
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

SUMMARY OF QUANTITIES
SHEET 4 OF 4



DATE PREPARED	
2/28/2024	
ROUTE	STATE
51	MO
DISTRICT	SHEET NO.
SE	3
COUNTY	
BOLLINGER / STODDARD	
JOB NO.	
JSE0113	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

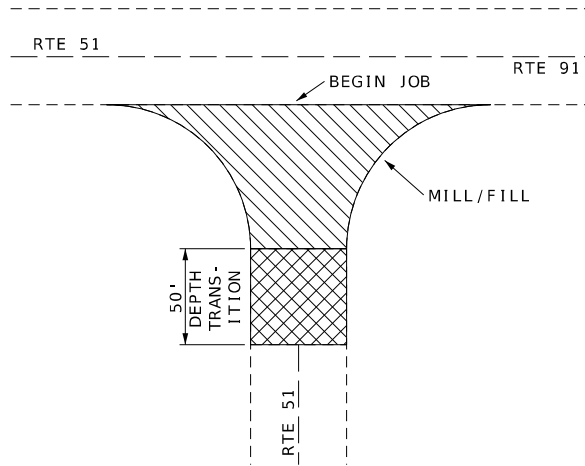
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

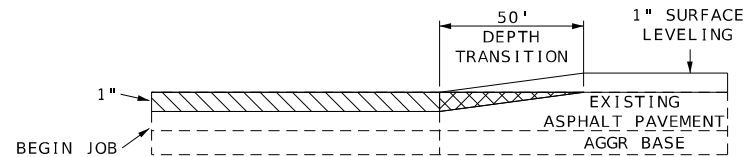
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



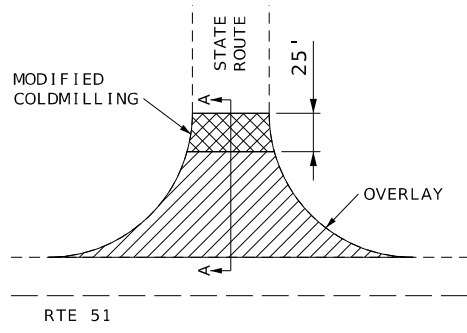
BEGIN PROJECT



PLAN VIEW AT RTE 51/RTE 91

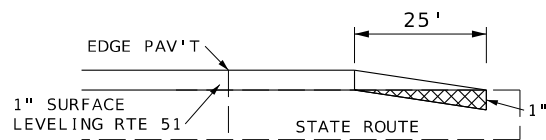


TYPICAL
RTE 51/RTE 91



PLAN VIEW AT STATE ROUTE INTERSECTIONS

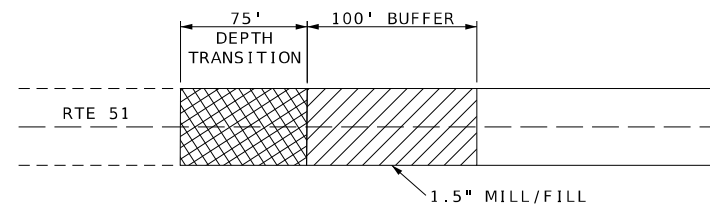
RTE 51/RTE W LOG MILE 63.195
RTE 51/RTE H LOG MILE 66.907
RTE 51/RTE E LOG MILE 68.661
RTE 51/RTE P LOG MILE 71.385
RTE 51/RTE C LOG MILE 71.385
RTE 51/RTE K LOG MILE 76.731



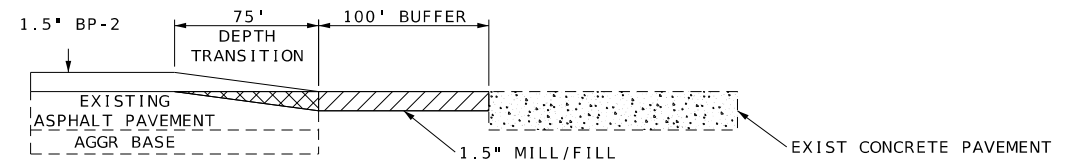
TYPICAL
SECTION A-A

MILL/FILL
MODIFIED
COLDMILLING

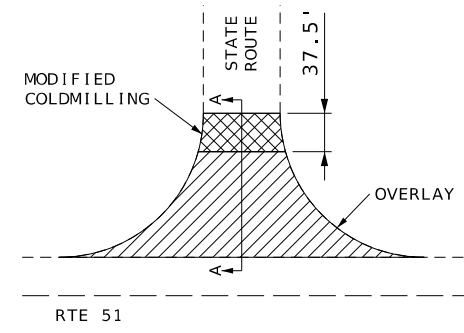
TRANSITION TO CONCRETE
PAVEMENT



PLAN VIEW AT RTE 51 ASPHALT/CONCRETE
TRANSITION
LOG MILE 94.440 TO 94.473

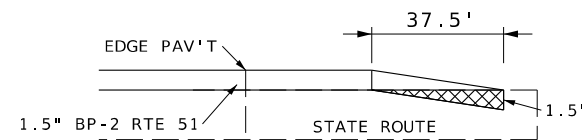


TYPICAL
RTE 51 ASPHALT/CONCRETE TRANSITION
LOG MILE 94.440 TO 94.473



PLAN VIEW AT STATE ROUTE INTERSECTIONS

RTE 51/RTE T LOG MILE 84.743
RTE 51/RTE J LOG MILE 86.917
RTE 51/RTE J LOG MILE 87.120
RTE 51/RTE AE LOG MILE 89.146



TYPICAL
SECTION A-A

SPECIAL SHEETS
SHEET 1 OF 5

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/28/2024
ROUTE 51 STATE MO
DISTRICT SE SHEET NO. 4

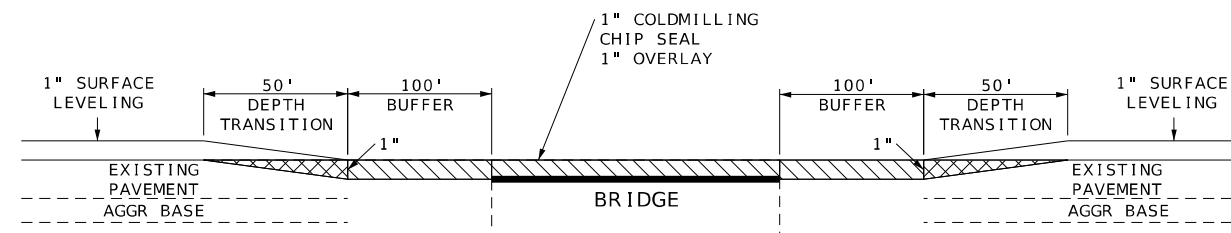
COUNTY
BOLLINGER/STODDARD
JOB NO.
JSE0113
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

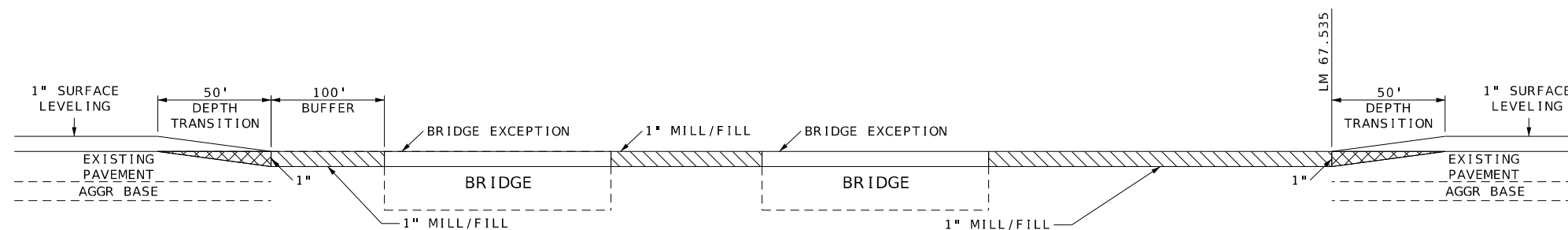
DESCRIPTION	DATE

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

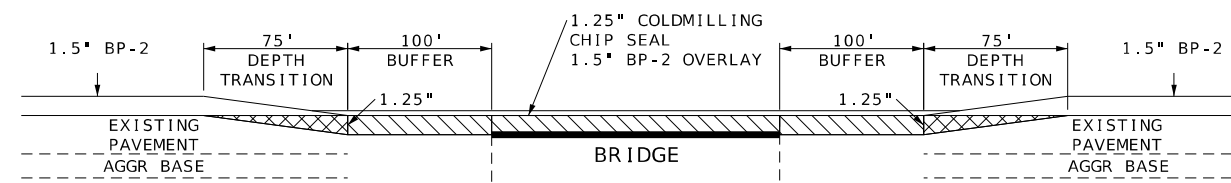
Pickering
Pickering Firm, Inc.
317 South Church Street
Jonesboro, AR 72401
Phone: 870.336.0117
Missouri Certificate of Authority No. 2012006790



TYPICAL AT BRIDGE
H0860 LOG MILE 60.311
H0894 LOG MILE 62.251
H0861 LOG MILE 62.590



TYPICAL AT BRIDGE
A9091 & A8834 LOG MILES 67.048 & 67.336



TYPICAL AT BRIDGE
H0142 LOG MILE 77.825



SPECIAL SHEETS
SHEET 3 OF 5
DRAWING NOT TO SCALE. FOLLOW DIMENSIONS



THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/28/2024

2/28/2024	
ROUTE	STATE
51	MO

31	MO
DISTRICT	SHEET NO.
SE	6

SE	0
COUNTY	
ROLLINGER / STODDARD	

BOLLINGER/STODDARD
JOB NO.
1650113

JSE0113
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

**MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

 **MoDOT**

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





THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED

2/28/2024

ROUTE STATE

51 MO

DISTRICT SHEET NO.

SE 8

COUNTY

BOLLINGER / STODDARD

JOB NO.

JSE0113

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

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

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

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

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

Pickering
Pickering Firm, Inc.
317 South Church Street
Jonesboro, AR 72401
Phone: 870.336.0117
Missouri Certificate of Authority No. 20120006790

SPECIAL SHEETS
SHEET 5 OF 5



WO20-1

ON
RAMP

W013-4P

2



WO5-1

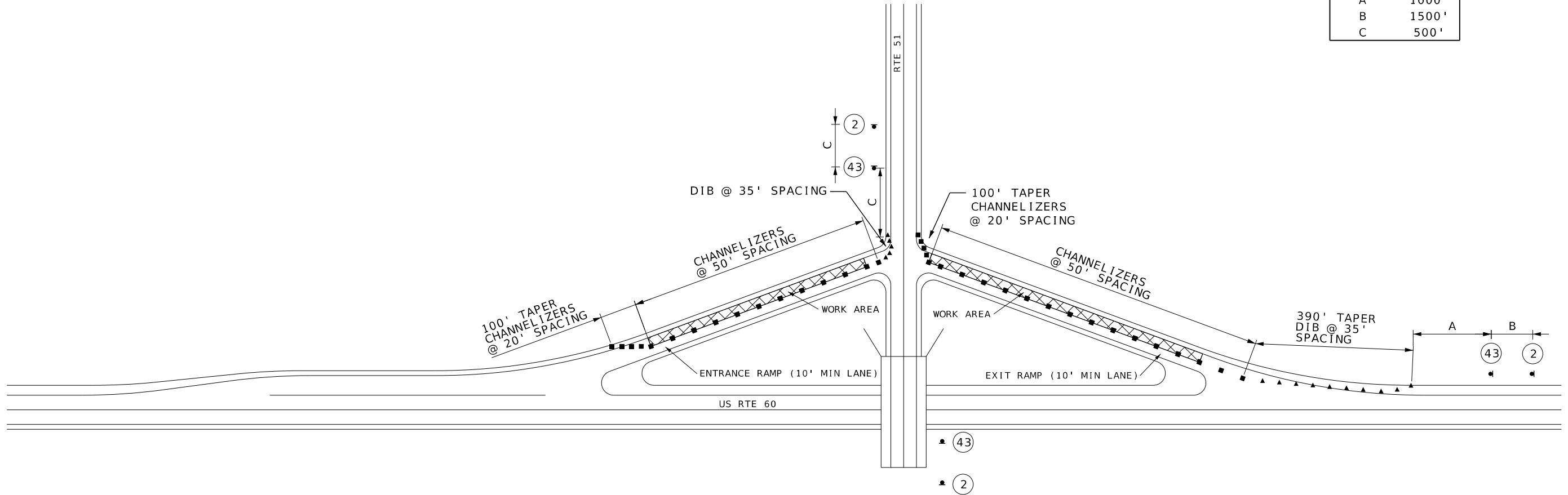
43

BRIDGE
OR
RAMP

TRAFFIC CONTROL LEGEND

- CHANNELIZER
- DIRECTIONAL INDICATOR BARRICADE (DIB)
- SIGN (SINGLE SIDED)

SIGN SPACING	
A	1000'
B	1500'
C	500'



RAMP WORKZONE DETAILS

NOTE:

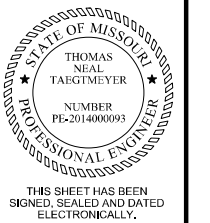
SIGNS 2 AND 43 ARE TO BE PLACED ALONG US RTE 60 AND ALONG INTERSECTING ROUTES APPROACHING THE RAMP AS DIRECTED BY THE ENGINEER

NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS FOR THIS OPERATION

ADDITIONAL TRAFFIC CONTROL FOR 2-LANE ROADWAY SHALL BE IN ACCORDANCE WITH MODOT STD PLAN 616.20

TRAFFIC CONTROL
SHEET 1 OF 1

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS



DATE PREPARED 2/28/2024	
ROUTE 51	STATE MO
DISTRICT SE	SHEET NO. 9
COUNTY BOLLINGER/STODDARD	
JOB NO. JSE0113	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

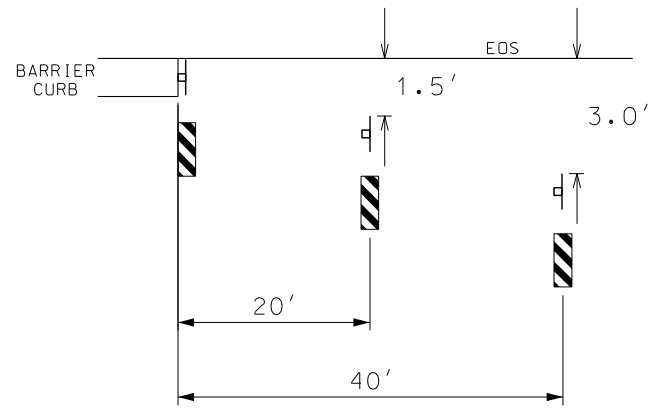
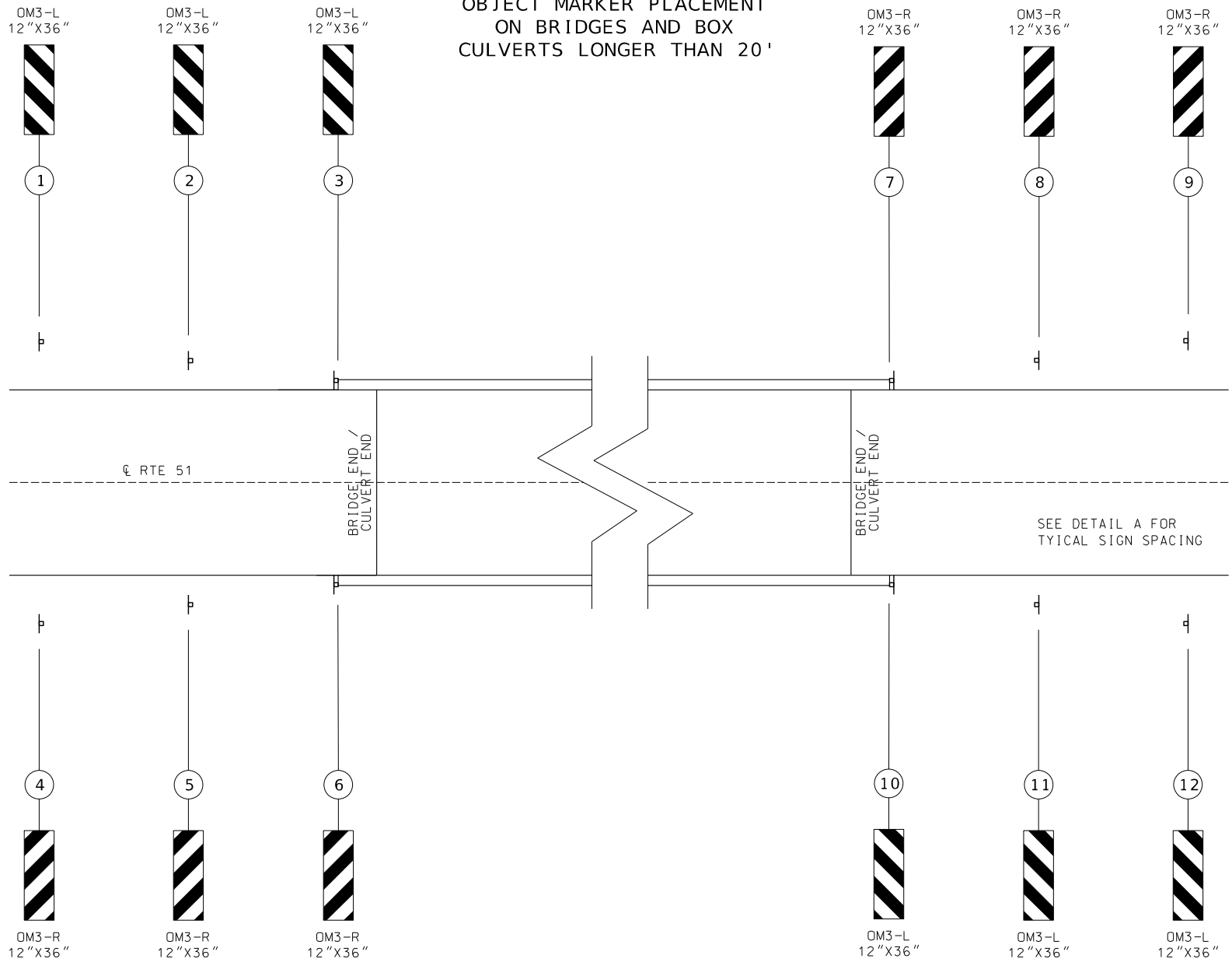
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

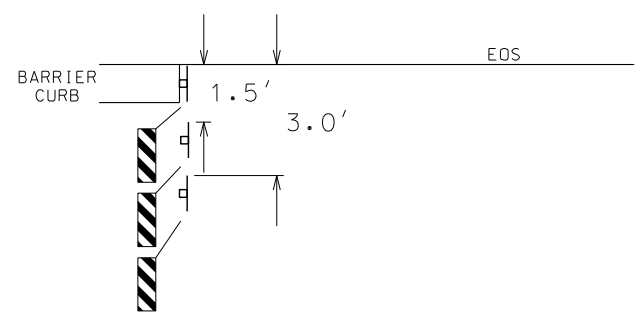
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-273-6636)

Pickering

Pickering Firm, Inc.
317 South Church Street
Jonesboro, AR 72401
Phone: 870.336.0117
Missouri Certificate of Authority No. 2012006790



DETAIL A



DETAIL A
WHEN IN AREA WITH
REDUCED CLEARANCE

- NOTE:
- ③ ⑥ ⑦ ⑩ INSTALL OBJECT MARKER SAME HEIGHT AS BRIDGE BARRIER CURB
 - ② ⑤ ⑧ ⑪ INSTALL OBJECT MARKER AT ½ STANDARD HEIGHT
 - ① ④ ⑨ ⑫ INSTALL OBJECT MARKER AT STANDARD HEIGHT

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.

DATE PREPARED
2/28/2024

ROUTE 51	STATE MO
DISTRICT SE	SHEET NO. 10

COUNTY
BOLLINGER/STODDARD

JOB NO.
JSE0113

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

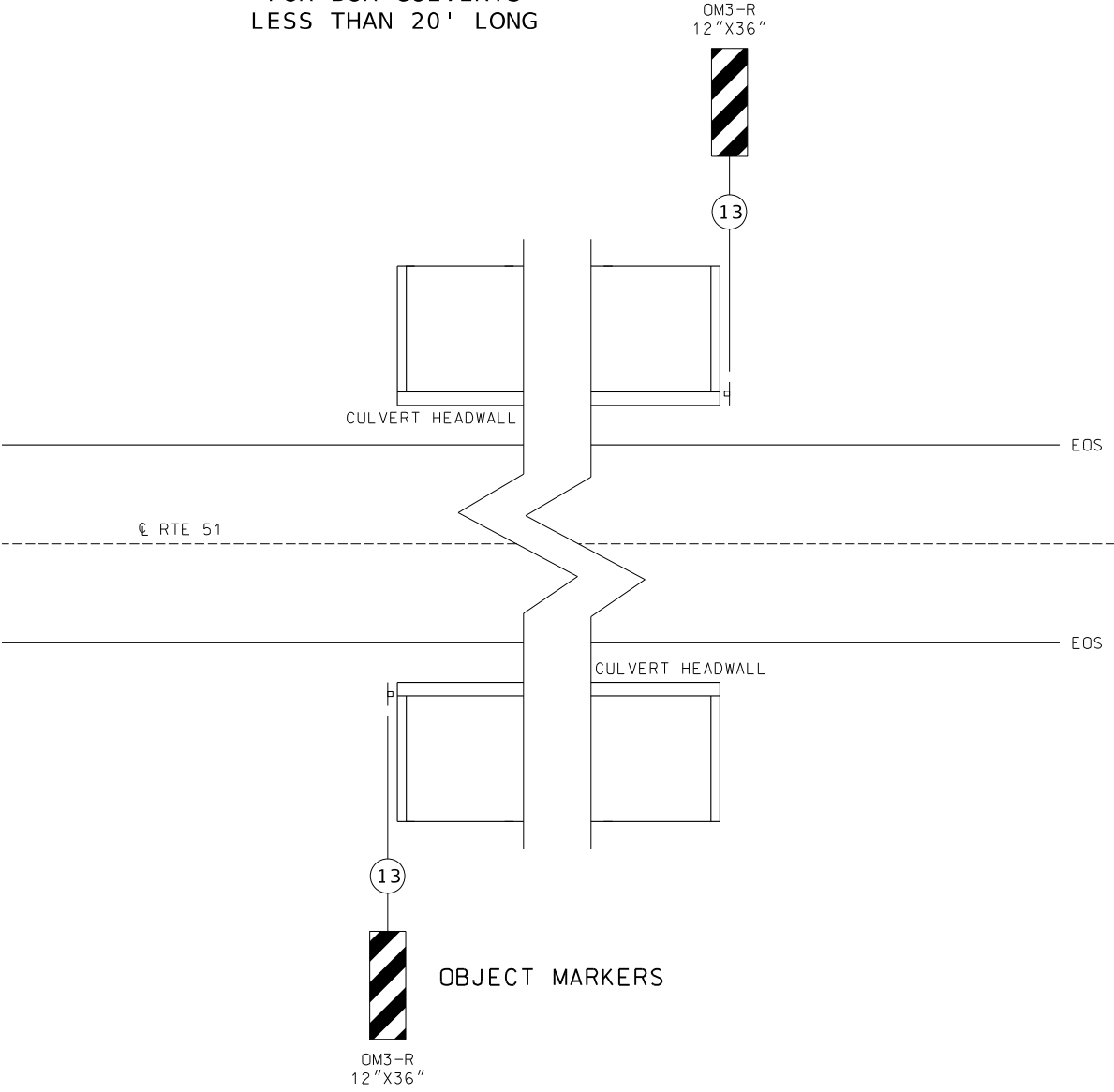
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

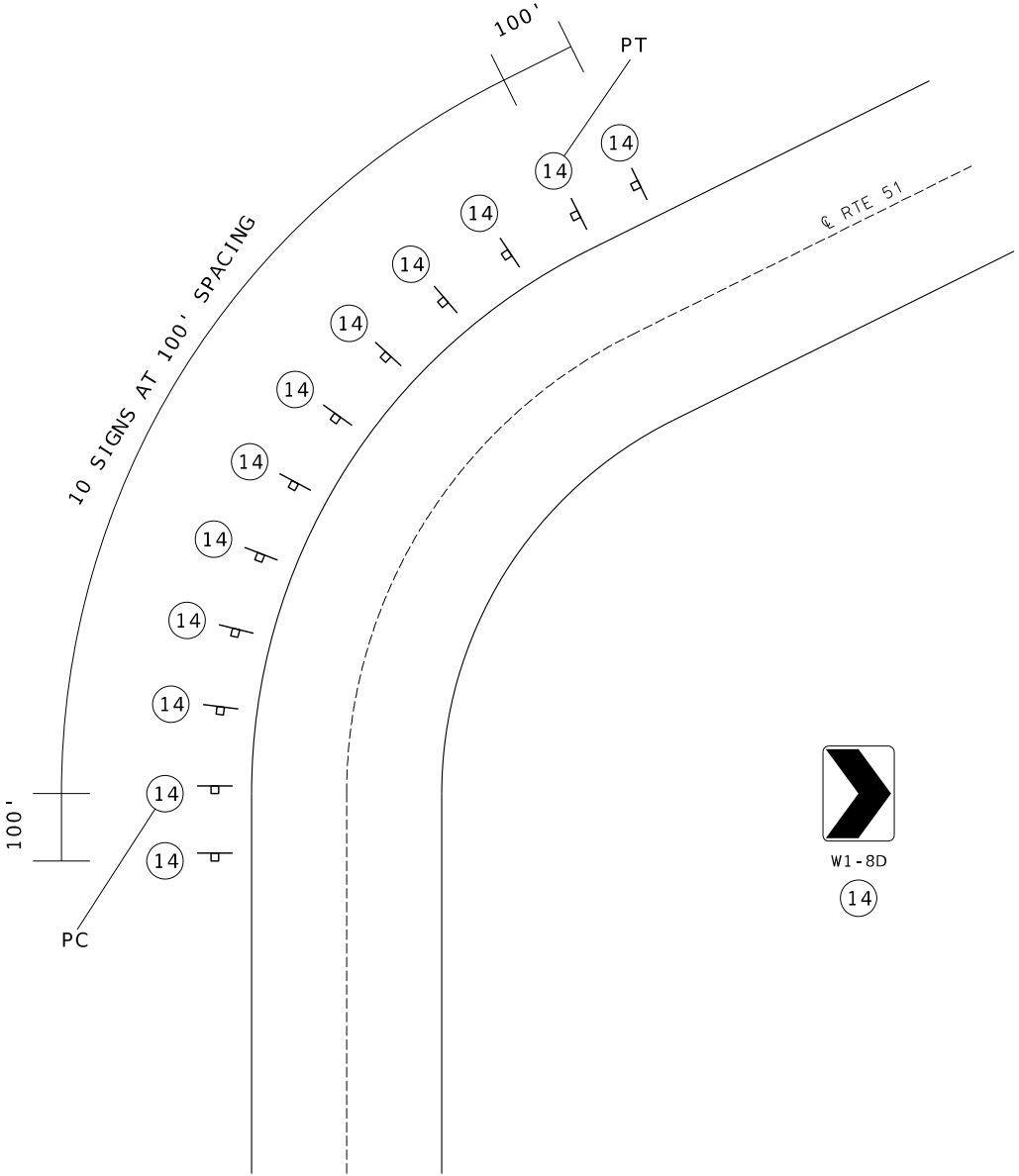
Pickering
Pickering Firm, Inc.
317 South Church Street
Jonesboro, AR 72401
Phone: 870.336.0117
Missouri Certificate of Authority No. 2012006790

OBJECT MARKER PLACEMENT
FOR BOX CULVERTS
LESS THAN 20' LONG



NOTE: INSTALL OBJECT MARKER AT STANDARD HEIGHT

CHEVRON PLACEMENT
FOR CURVE AT LOG MILE 89.000



STATE OF MISSOURI

THOMAS NEAL TAEGTMEYER

NUMBER PE-2014000093

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
2/28/2024

ROUTE
51

DISTRICT
SE

STATE
MO

SHEET NO.
11

COUNTY
BOLLINGER/STODDARD

JOB NO.
JSE0113

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

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

Pickering

Pickering Firm, Inc.
317 South Church Street
Jonesboro, AR 72401
Phone: 870.336.0117
Missouri Certificate of Authority No. 2012006790

SIGNING SHEETS
SHEET 2 OF 4

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS

011_SN_02_JSE0113_110.dgn 2:35:31 PM 2/28/2024

[illegible]

* ORANGE, YELLOW & YELLOW/GREEN

D-30