

DESIGN DESIGNATION

US 169
A.A.D.T. - 2024 = 6,736
A.A.D.T. - 2034 = 7,473
D.H.V. = 9.53%
T = 14.16%
V = 60 M.P.H.
D = 51.7% / 48.3%

FUNCTIONAL CLASSIFICATION- MINOR ARTERIAL

ROUTE U
A.A.D.T. - 2024 = 8,563
A.A.D.T. - 2034 = 9,277
D.H.V. = 8.16%
T = 17.21%
V = 55 M.P.H.
D = 48.3% / 51.7%

FUNCTIONAL CLASSIFICATION- MINOR COLLECTOR

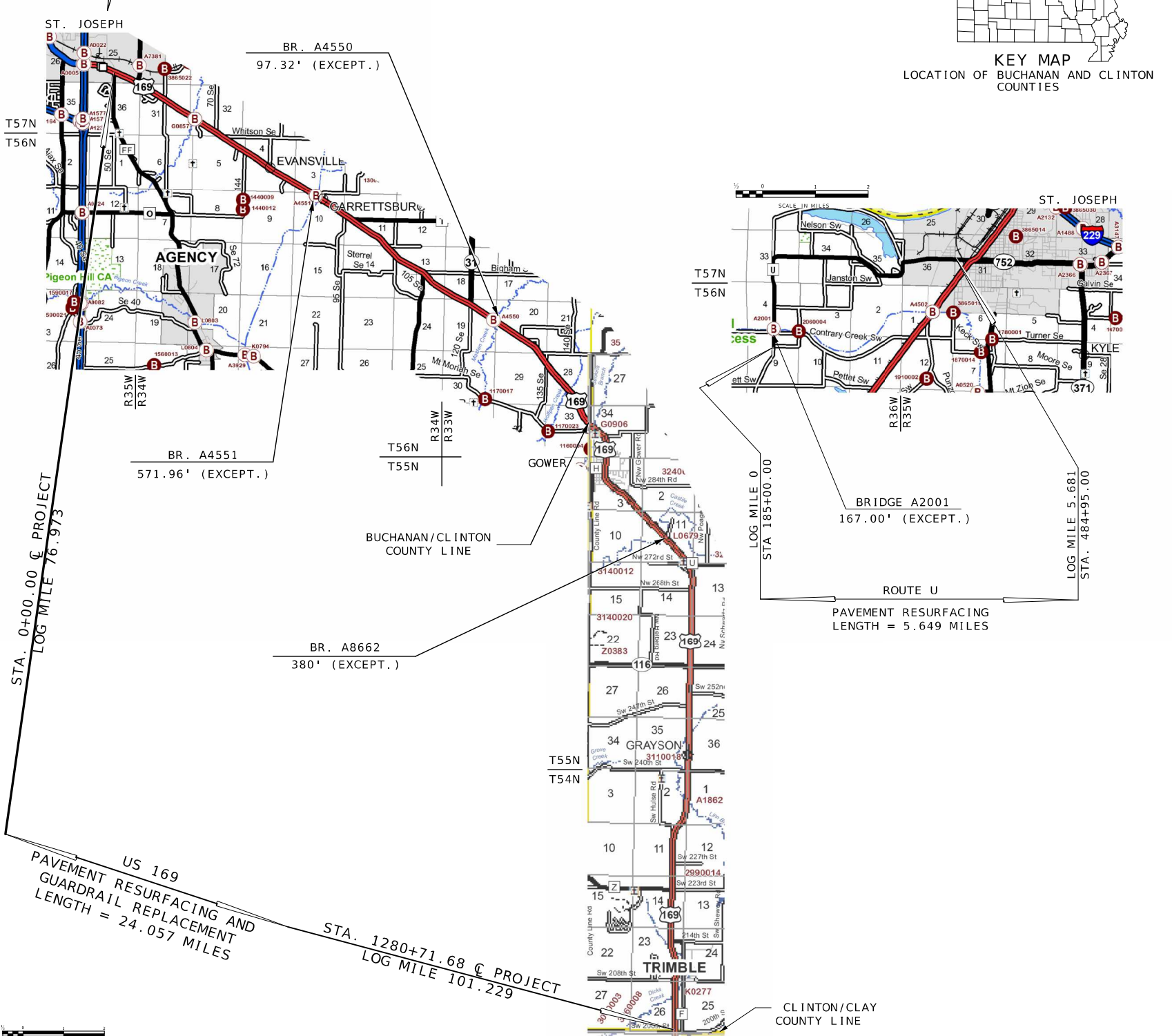
NO RIGHT-OF-WAY
ACQUISITION

CONVENTIONAL SYMBOLS
(USED IN PLANS)

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

NOTE: DASHED OR OPEN SYMBOLS INDICATE
EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY
BUCHANAN/CLINTON COUNTIES



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

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (5 SHEETS)--	2
QUANTITIES (QU) (6 SHEETS)-----	3
SPECIAL SHEETS (SS)-----	4-8
TRAFFIC CONTROL (TC)-----	9
PAVEMENT MARKING (PM)-----	10-11

LENGTH OF PROJECT

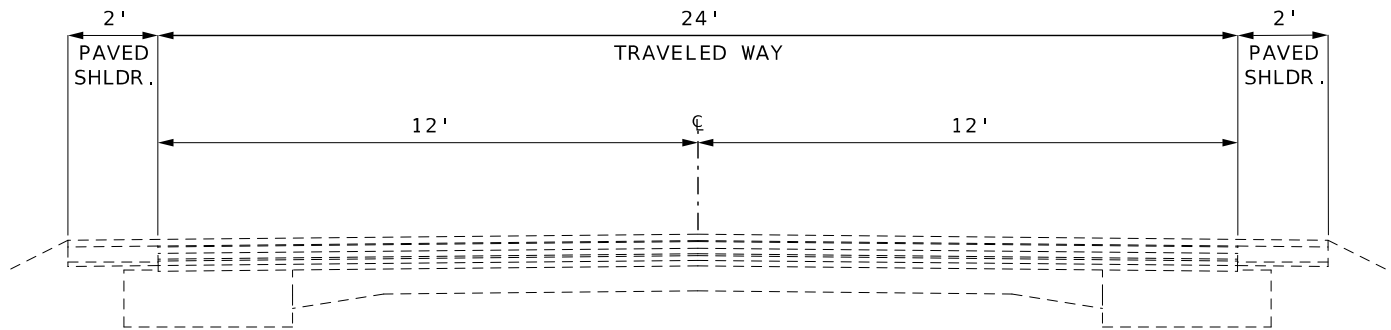
RTE. 169	
BEGINNING	STA. 0+00.00
END	STA. 1280+71.68
APPARENT LENGTH	128071.68 FEET
EQUATIONS AND EXCEPTIONS:	
BRIDGE A4551	
STA. 236+19.87 TO	-571.96 FEET
STA. 241+91.83	
BRIDGE A4550	
STA. 459+72.98 TO	-97.32 FEET
STA. 460+70.30	
BRIDGE A8662	
STA. 758+57.54 TO	-380.00 FEET
STA. 762+37.54	
TOTAL CORRECTIONS	-1049.28 FEET
NET LENGTH	127022.40 FEET

RTE. U	
BEGINNING	STA. 185+00.00
END	STA. 484+95.00
APPARENT LENGTH	29995.00 FEET
EQUATIONS AND EXCEPTIONS:	
BRIDGE A2001	
STA. 200+91.50 TO	-167.00 FEET
STA. 202+58.50	
TOTAL CORRECTIONS	-167.00 FEET
NET LENGTH	29828.00 FEET
STATE LENGTH	29.706 MILES
FOR INFORMATION ONLY	0.00 ACRES
ESTIMATED DISTURBED ACRES	

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER
DATE PREPARED
9/28/2023
ROUTE
169/U
STATE
MO
DISTRICT
NW
SHEET NO.
1
COUNTY
BUCH. / CLINTON
JOB NO.
JNW0016
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)

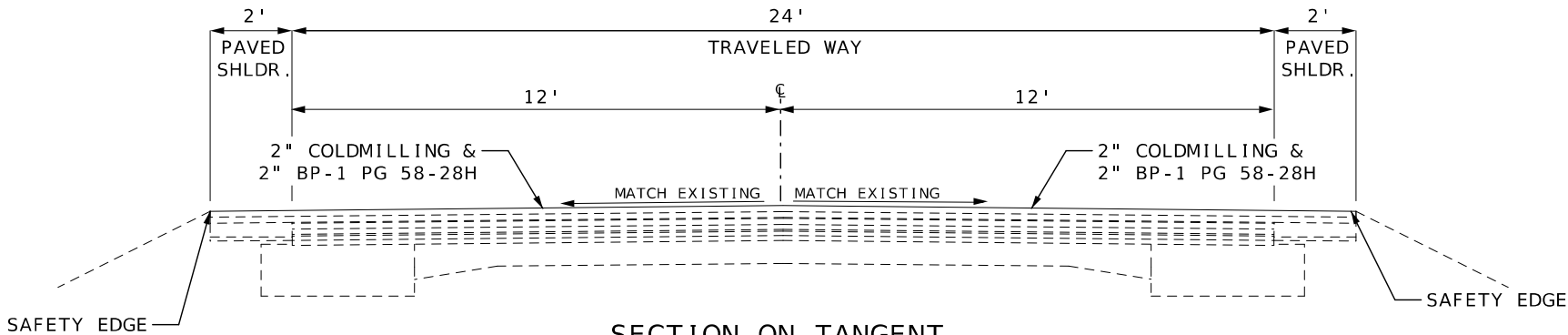


SECTION ON TANGENT
EXISTING TYPICAL SECTION RTE. 169
STA. 0+00.00 TO STA. 214+02.93
STA. 260+94.33 TO STA. 450+98.80
STA. 466+08.80 TO STA. 758+57.54 (N/E OF BR. A8662)
STA. 762+37.54 (S/E OF BR. A8662) TO STA. 1280+71.68

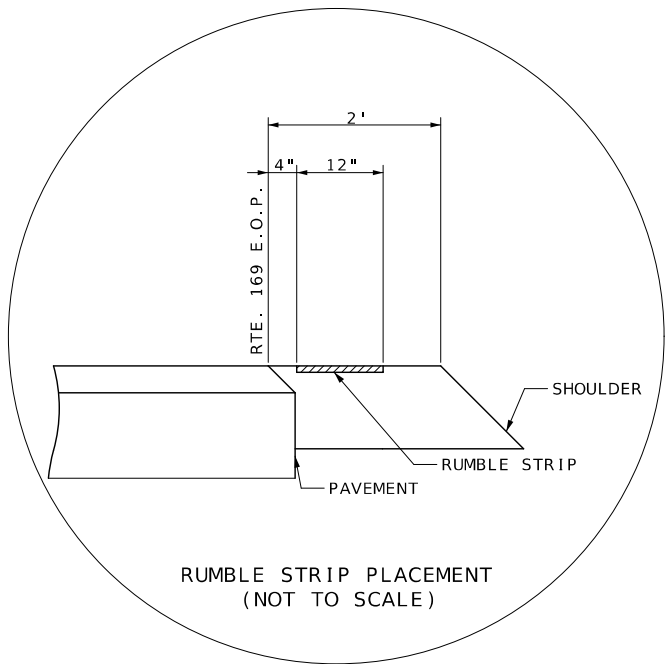
ESTIMATE FACTORS *		
ITEM	DESCRIPTION	FACTOR
304-99.10	PERMANENT AGGREGATE EDGE TREATMENT	1.60 TONS/CU. YD.
310-50.02	GRAVEL (A) OR CRUSHED STONE (B)	1.40 TONS/CU. YD.
401-12.31	BITUMINOUS PAVEMENT MIXTURE PG 58-28H (BP-1)	1.98 TONS/CU. YD.
407-10.05	TACK COAT - ON COLDMILLED ASPHALT	0.10 GAL/SQ. YD.
407-10.05	TACK COAT - ON EXISTING ASPHALT SURFACE	0.08 GAL/SQ. YD.

* FOR INFORMATION PURPOSES ONLY

PAVEMENT HISTORY		
YEAR	DESCRIPTION	
	TRAVELED WAY	SHOULDERS
1925/1926	6-7" P.C.C.	
1954/1955	1.25" TYPE C A.C.	
	1.50" TYPE B A.C.	
1978	1.50" TYPE C A.C.	
	0.50" (MIN.) LEVELING COURSE	
1999	1.75" LEVELING COURSE	
2008	TYPE II MICROSURFACE	
2013	1.75" BIT. PVMT. PG64-22 (BP-1)	4" BIT. PVMT. PG64-22 (BASE) TYPE 1 AGGR.



SECTION ON TANGENT
PROPOSED TYPICAL SECTION RTE. 169
STA. 0+00.00 TO STA. 214+02.93
STA. 260+94.33 TO STA. 450+98.80
STA. 466+08.80 TO STA. 758+57.54 (N/E OF BR. A8662)
STA. 762+37.54 (S/E OF BR. A8662) TO STA. 1280+71.68



DETAIL A

NOT TO SCALE

TYPICAL SECTIONS
SHEET 1 OF 5

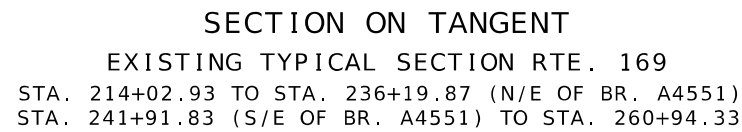


DATE PREPARED 9/28/2023	
ROUTE 169/U	STATE MO
DISTRICT NW	SHEET NO. 2
COUNTY BUCH. / CLINTON	
JOB NO. JNW0016	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

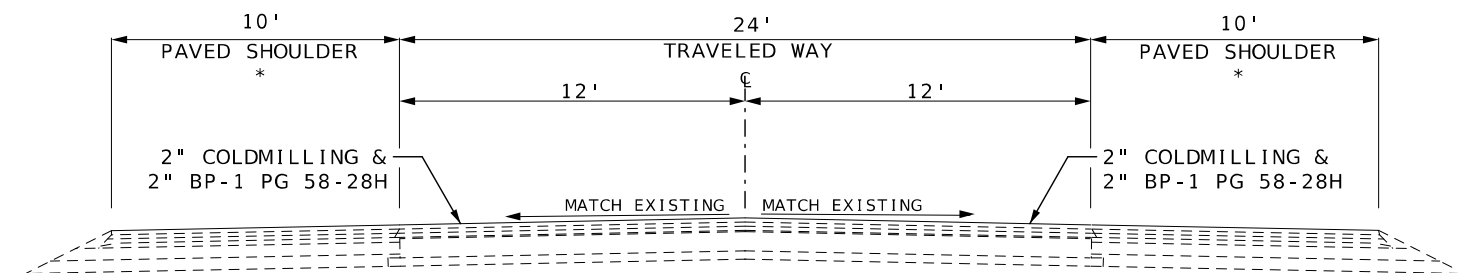
DESCRIPTION	DATE



REV.



PAVEMENT HISTORY		
YEAR	DESCRIPTION	
	TRAVELED WAY	SHOULDERS
1989	4" TYPE 3 AGG. 8" REINFORCED CONCRETE PVMT.	5" TYPE 4 AGG. 5" TYPE 1 OR 2 AGG. 2" PLANT MIX BIT. PVMT.
2008	TYPE II MICROSURFACE (NORTH OF BR.)	
2013	1.75" BIT. PVMT. PG 64-22 (BP-1) 1.75" BIT. PVMT. PG 64-22 (BP-1)	1.75" BIT PVMT. PG 64-22 (BP-1) 1.75" BIT PVMT. PG 64-22 (BP-1) TYPE 1 AGG.

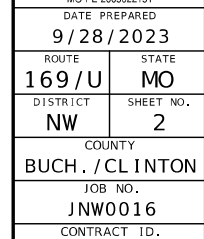


SECTION ON TANGENT
PROPOSED TYPICAL SECTION RTE. 169

STA. 214+02.93 TO STA. 236+19.87 (N/E OF BR. A4551)
STA. 241+91.83 (S/E OF BR. A4551) TO STA. 260+94.33

* SEE DETAIL A, SHEET 1 OF 5
FOR RUMBLE STRIP PLACEMENT

TYPICAL SECTIONS
SHEET 2 OF 5



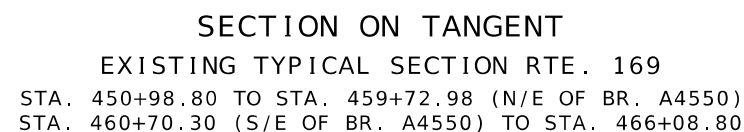
PROJECT NO.
BRIDGE NO.

[illegible]

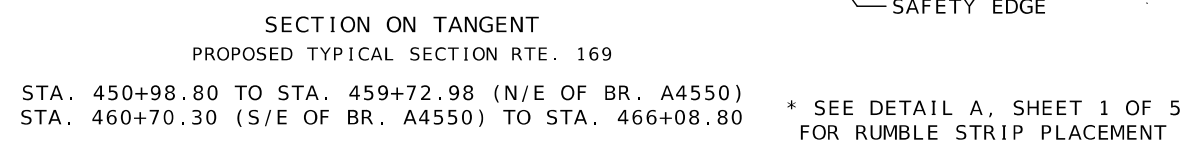
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

REV.



PAVEMENT HISTORY		
YEAR	DESCRIPTION	
	TRAVELED WAY	SHOULDERS
1988	4" TYPE 3 AGG.	6" TYPE 1 OR 2 AGG.
	8" NON-REINFORCED CONCRETE PVMT.	
2013	1.75" BIT. PVMT. PG64-22	2" BIT. PVMT. PG64-22 (BASE)
	1.75" BIT. PVMT. PG64-23	TYPE 1 AGG.

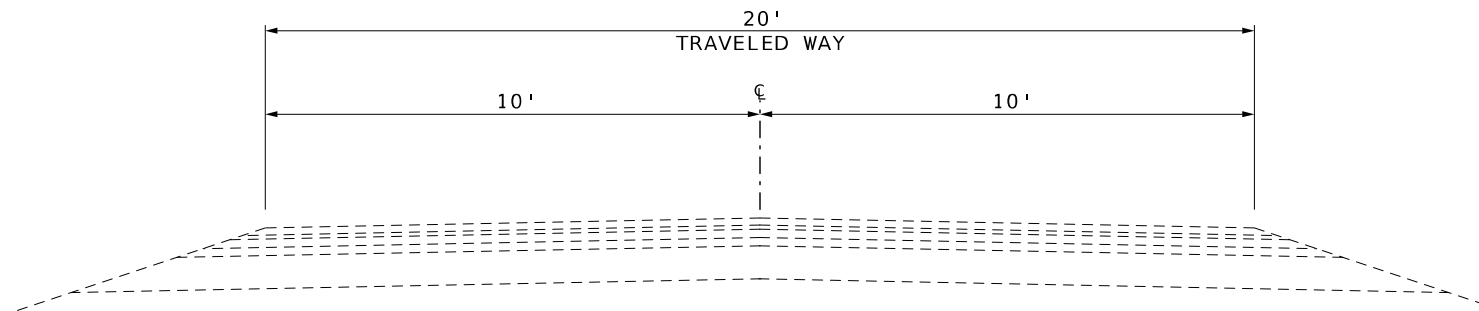


NOT TO SCALE

TYPICAL SECTIONS
SHEET 3 OF 5

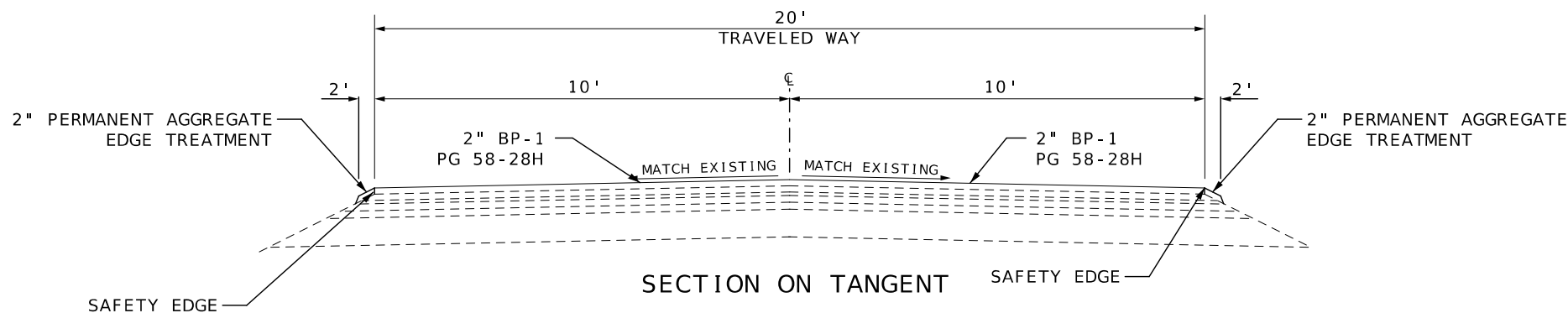


REV.

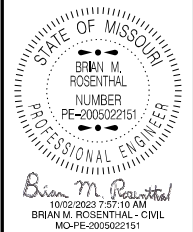


SECTION ON TANGENT
EXISTING TYPICAL SECTION RTE. U
STA. 185+00.00 TO STA. 200+91.50 (S/E OF BR. A2001)
STA. 202+58.50 (N/E OF BR. A2001) TO STA. 418+16.00

PAVEMENT HISTORY	
YEAR	DESCRIPTION
1954/1955	24' GRAN. BASE
1958	20' 2" OIL AGG.
1968	20' 2" OIL AGG. 28' R.S.B.
1991	20' 1" BIT. MAT. RESURF.
2003	20' 1 3/4" BP-1 SURFACE LEVELING



SECTION ON TANGENT
PROPOSED TYPICAL SECTION RTE. U
STA. 185+00.00 TO STA. 200+91.50 (S/E OF BR. A2001)
STA. 202+58.50 (N/E OF BR. A2001) TO STA. 418+16.00



DATE PREPARED 9/28/2023	
ROUTE 169/U	STATE MO
DISTRICT NW	SHEET NO. 2
COUNTY BUCH. / CLINTON	
JOB NO. JNW0016	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

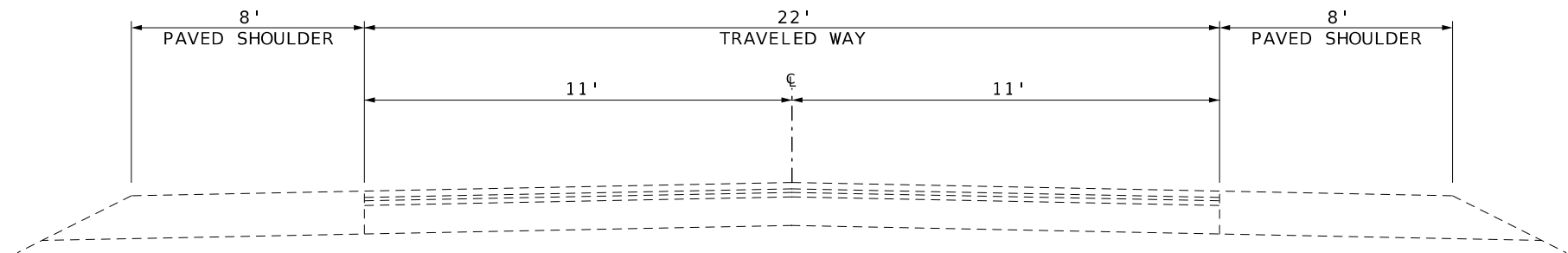
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

MODOT

NOT TO SCALE

TYPICAL SECTIONS
SHEET 4 OF 5

REV.



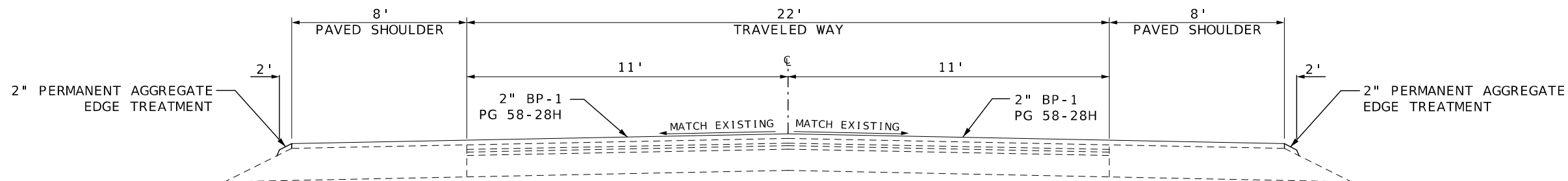
SECTION ON TANGENT
EXISTING TYPICAL SECTION RTE. U
STA. 418+16.00 TO STA. 484+95.00

STA. 418+16.00 TO STA. 484+00.00:

PAVEMENT HISTORY	
YEAR	DESCRIPTION
1954/1955	22' 2" BIT. MAT. 38' 8" R.S.B.
1978	23' 1 1/4" TYPE C RESURF.
1991	22' 1" BIT. MAT. RESURF.
2003	22' 2 3/4" BP-1 SURFACE LEVELING

STA. 484+00.00 TO STA. 484+95.00:

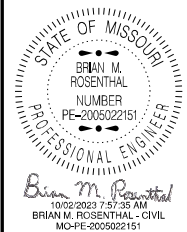
PAVEMENT HISTORY	
YEAR	DESCRIPTION
1954/1955	24' 8" P.C.C.
1978	23' 1 1/4" TYPE C RESURF.
1991	22' 1" BIT. MAT. RESURF.
2003	22' 2 3/4" BP-1 SURFACE LEVELING



SECTION ON TANGENT
PROPOSED TYPICAL SECTION RTE. U
STA. 418+16.00 TO STA. 484+95.00

NOT TO SCALE

TYPICAL SECTIONS
SHEET 5 OF 5



DATE PREPARED
9/28/2023

ROUTE	STATE
169/U	MO
DISTRICT	SHEET NO.
NW	2

COUNTY

BUCH. / CLINTON

JOB NO.

JNW0016

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE



REV.

STA.	STA.	LOC.	LENGTH FT.	4" YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT TYPE P BEADS LF	4" WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT TYPE P BEADS LF	REMARKS
185+00.00	192+44.48	RTE. U	744.48	186.1	1489.0	INT. YELLOW CL
192+44.48	203+05.76	RTE. U	1061.28	1326.6	2122.6	INT. LEFT, SOLID RIGHT
203+05.76	204+11.36	RTE. U	105.60	211.2	211.2	DOUBLE YELLOW
204+11.36	212+50.88	RTE. U	839.52	1049.4	1679.0	SOLID LEFT, INT. RIGHT
212+50.88	235+74.08	RTE. U	2323.20	580.8	4646.4	INT. YELLOW CL
235+74.08	244+18.88	RTE. U	844.80	1056.0	1689.6	INT. LEFT, SOLID RIGHT
244+18.88	254+74.88	RTE. U	1056.00	2112.0	2112.0	DOUBLE YELLOW
254+74.88	262+14.08	RTE. U	739.20	924.0	1478.4	SOLID LEFT, INT. RIGHT
262+14.08	264+20.00	RTE. U	205.92	51.5	411.8	INT. YELLOW CL
264+20.00	272+59.52	RTE. U	839.52	1049.4	1679.0	INT. LEFT, SOLID RIGHT
272+59.52	280+99.04	RTE. U	839.52	1679.0	1679.0	DOUBLE YELLOW
280+99.04	287+22.08	RTE. U	623.04	778.8	1246.1	SOLID LEFT, INT. RIGHT
287+22.08	350+52.80	RTE. U	6330.72	1582.7	12661.4	INT. YELLOW CL
350+52.80	358+92.32	RTE. U	839.52	1049.4	1679.0	INT. LEFT, SOLID RIGHT
358+92.32	363+14.72	RTE. U	422.40	844.8	844.8	DOUBLE YELLOW
363+14.72	368+42.72	RTE. U	528.00	660.0	1056.0	SOLID LEFT, INT. RIGHT
368+42.72	369+48.32	RTE. U	105.60	211.2	211.2	DOUBLE YELLOW
369+48.32	378+98.72	RTE. U	950.40	1188.0	1900.8	INT. LEFT, SOLID RIGHT
378+98.72	391+65.92	RTE. U	1267.20	2534.4	2534.4	DOUBLE YELLOW
391+65.92	396+93.92	RTE. U	528.00	660.0	1056.0	SOLID LEFT, INT. RIGHT
396+93.92	400+05.44	RTE. U	311.52	77.9	623.0	INT. YELLOW CL
400+05.44	407+44.64	RTE. U	739.20	924.0	1478.4	INT. LEFT, SOLID RIGHT
407+44.64	432+10.40	RTE. U	2465.76	4931.5	4931.5	DOUBLE YELLOW
432+10.40	434+21.60	RTE. U	211.20	264.0	422.4	SOLID LEFT, INT. RIGHT
434+21.60	475+34.72	RTE. U	4113.12	1028.3	8226.2	INT. YELLOW CL
475+34.72	482+73.92	RTE. U	739.20	924.0	1478.4	INT. LEFT, SOLID RIGHT
482+73.92	484+95.00	RTE. U	221.08	442.2	442.2	DOUBLE YELLOW
			RTE. U TOTALS	28327.2	59989.8	
			RTE. 169 TOTALS	178069.8	244958.8	FROM TABLE 2 OF 4
			PAY TOTALS (RTE. 169 + RTE. U)	206397	304949	

PAVEMENT MARKING (RTE. 169) (4 OF 4)							
STA.	STA.	LOC.	LENGTH FT.	24" YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT TYPE P BEADS LF	PREFORMED THERMOPLASTIC PAVEMENT MARKING LEFT/RIGHT ARROW EA	PREFORMED THERMOPLASTIC PAVEMENT MARKING STRAIGHT ARROW EA	REMARKS
0+00.00	30+72.00	RTE. 169	3072.00	-	-	-	INTERSECTION WITH RTE. AC (SEE SHEET 10)
16+38.27	21+41.00	RTE. 169	502.73	10.1	-	-	INTERSECTION WITH RTE. AC (SEE SHEET 10)
24+27.00	29+23.47	RTE. 169	496.47	9.9	-	-	INTERSECTION WITH RTE. AC (SEE SHEET 10)
21+41.00	-	RTE. 169	-	-	1	-	INTERSECTION WITH RTE. AC (SEE SHEET 10)
22+66.00	-	RTE. 169	-	-	1	1	INTERSECTION WITH RTE. AC (SEE SHEET 10)
25+02.00	-	RTE. 169	-	-	1	1	INTERSECTION WITH RTE. AC (SEE SHEET 10)
895+20.03	900+73.00	RTE. 169	552.97	11.1	-	-	INTERSECTION WITH RTE. 116 (SEE SHEET 11)
902+34.00	904+77.00	RTE. 169	243.00	-	-	-	INTERSECTION WITH RTE. 116 (SEE SHEET 11)
905+12.31	911+68.97	RTE. 169	656.66	13.1	-	-	INTERSECTION WITH RTE. 116 (SEE SHEET 11)
900+73.00	-	RTE. 169	-	-	1	-	INTERSECTION WITH RTE. 116 (SEE SHEET 11)
901+89.00	-	RTE. 169	-	-	1	-	INTERSECTION WITH RTE. 116 (SEE SHEET 11)
904+32.00	-	RTE. 169	-	-	2	1	INTERSECTION WITH RTE. 116 (SEE SHEET 11)
			TOTALS	44.2	7	3	
			PAY TOTALS	44	7	3	

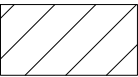
COLDMILLING (RTE. 169)							
STA.	STA.	LOC.	LENGTH FT.	WIDTH FT.	DEPTH IN.	COLDMILLING (LESS THAN 3 IN.) SY	REMARKS
0+00.00	14+21.45	RTE. 169	1421.45	28	2	4422.3	BEG. OF PROJECT TO ROUTE AC INTERSECTION - CONCRETE SHLDR RT.
14+21.45	30+76.88	RTE. 169	1655.43	VARIES	2	5699.9	AREA OF INTERSECTION WITH ROUTE AC WITH CONCRETE SHLDRS.
30+76.88	214+02.93	RTE. 169	18326.05	28	2	57014.4	END OF CONCRETE SHLDRS TO END OF 2' PAVED SHOULDER SECTION
214+02.93	236+19.87	RTE. 169	2216.94	44	2	10838.4	BEGINNING OF 10' PAVED SHLDR SECTION TO N/E OF BR. A45521
241+91.83	260+94.33	RTE. 169	1902.50	44	2	9301.1	S/E OF BR. A4551 TO END OF 10' PAVED SHOULDER
260+94.33	459+72.98	RTE. 169	19878.65	28	2	61844.7	END OF 10' PAVED SHOULDER SECTION TO N/E OF BR. A4550
460+70.30	758+57.54	RTE. 169	29787.24	28	2	92671.4	S/E OF BR. A4550 TO N/E OF BR. A8662
762+37.54	892+85.81	RTE. 169	13048.27	28	2	40594.6	S/E OF BR. A8662 TO AREA OF INTERSECTION WITH RTE. 116
892+85.81	913+00.26	RTE. 169	2014.45	VARIES	2	7379.9	AREA OF INTERSECTION WITH ROUTE 116
913+00.26	1280+71.68	RTE. 169	36771.42	28	2	114400.0	AREA OF INTERSECTION WITH ROUTE 116 TO END OF PROJECT
					TOTAL	404166.7	
					PAY TOTAL	404167	

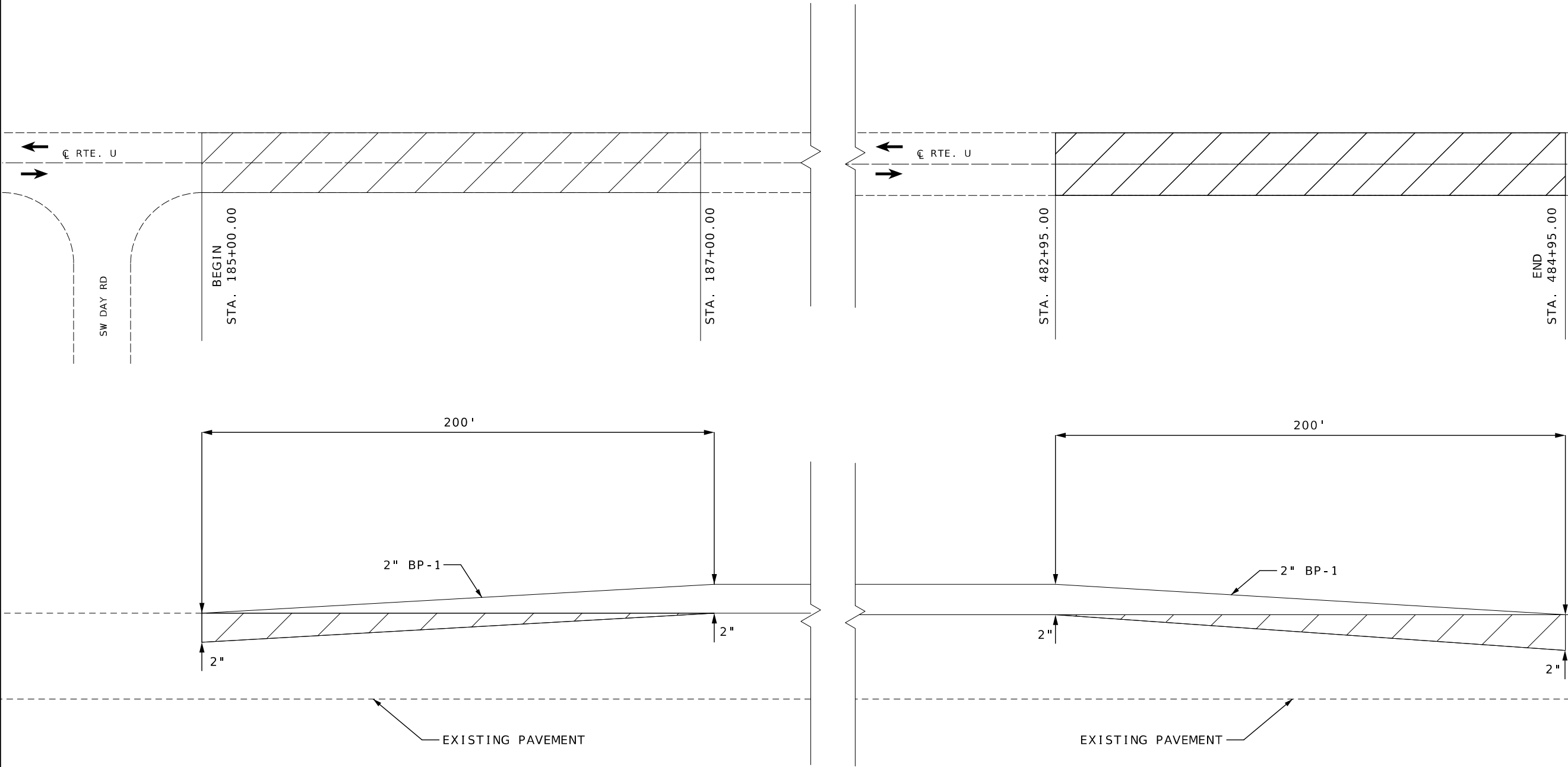
SUMMARY OF QUANTITIES
SHEET 4 OF 6

[illegible]

REV.

DEPTH TRANSITIONS
ROUTE U
BEGINNING & END

 = MODIFIED COLDMILLING



DATE PREPARED 9/27/2023	
ROUTE 169/U	STATE MO
DISTRICT NW	SHEET NO. 4
COUNTY BUCH. / CLINTON	
JOB NO. JNW0016	
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)

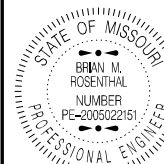
NOT TO SCALE

MODIFIED COLDMILLING PLAN
SPECIAL SHEET 1 OF 5

REV.



= MODIFIED COLDMILLING



Brian M. Rosenthal
10/02/2023 8:01:16 AM
BRIAN M. ROSENTHAL - CIVIL
MO DE 2025022454

DATE PREPARED

ROUTE	STATE
169 / U	MO

DISTRICT	SHEET
NW	5

	COUNTY
--	--------

BUCH. / CLINTO

JOB NO.

JNW0016

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

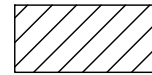
105 WEST CAPITOL
JEFFERSON CITY, MO 65102

REV

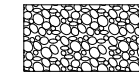
NOT TO SCALE

MODIFIED COLDMILLING PLAN
SPECIAL SHEET 2 OF 5

DEPTH TRANSITIONS
TYPICAL ENTRANCES

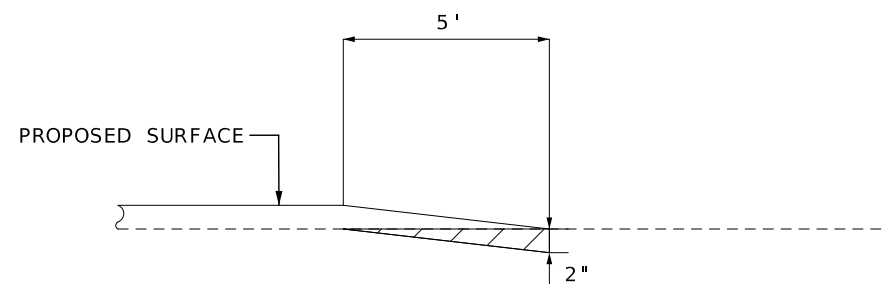
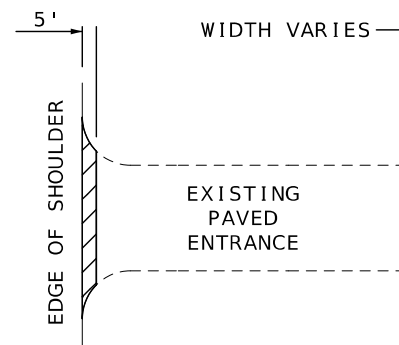


= MODIFIED COLDMILLING



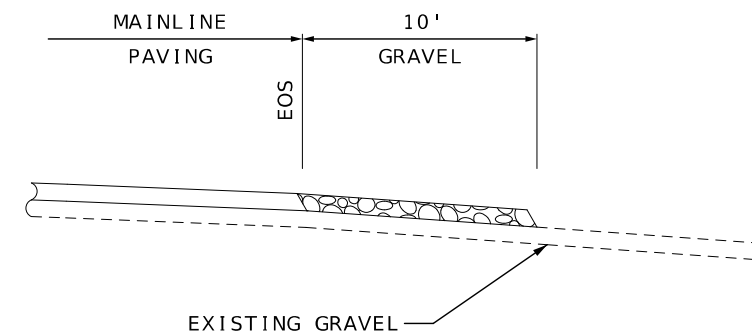
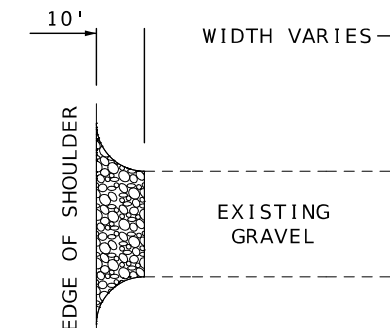
= 2" GRAVEL (A) OR CRUSHED STONE (B)

TYPICAL PAVED ENTRANCE
(FIELD, PRIVATE, OR COUNTY ROAD)
(ROUTE U ONLY)

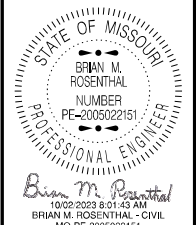


NOT TO SCALE

TYPICAL GRAVEL ENTRANCE
(SIDE ROAD, PRIVATE, OR FIELD)
(ROUTE U ONLY)



MODIFIED COLDMILLING PLAN
SPECIAL SHEET 3 OF 5



DATE PREPARED

ROUTE 169/U	STATE MO
DISTRICT NW	SHEET NO. 6

COUNTY
BUCH. / CLINTON

JOB NO.
JNW0016

CONTRACT ID.

PROJECT NO.

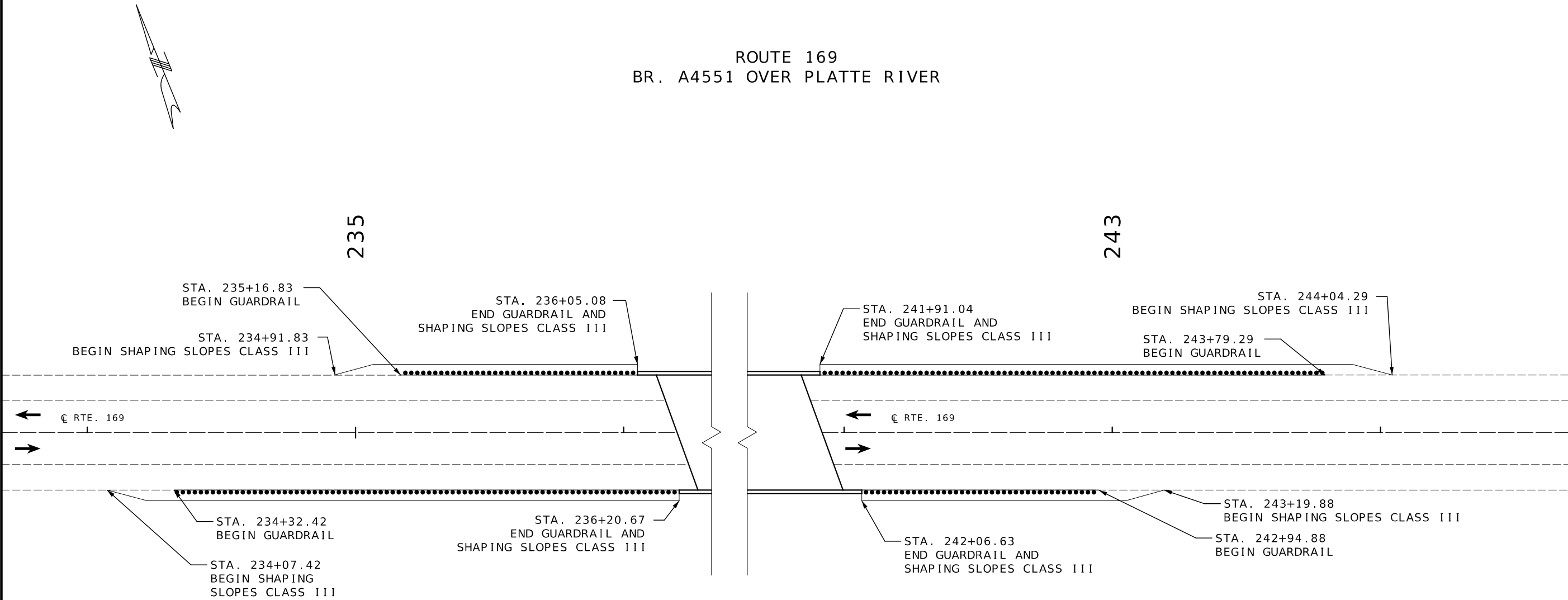
BRIDGE NO.

[illegible]MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

REV.

ROUTE 169
BR. A4551 OVER PLATTE RIVER



REMOVE

264' OF EXISTING GUARDRAIL RT. AND 264' OF EXISTING GUARDRAIL LT.

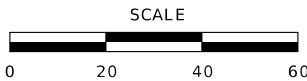
BUILD

FROM STA. 234+07.42 TO STA. 236+20.67 RT.
1 MGS BRIDGE APPROACH TRANSITION SECTION (REGULAR NO CURB), 1 TYPE A CRASHWORTHY END TERMINAL (MASH), 100' MGS GUARDRAIL, AND 213' OF SHAPING SLOPES CLASS III

FROM STA. 242+06.63 TO STA. 243+19.88 RT.
1 MGS BRIDGE APPROACH TRANSITION SECTION (REGULAR NO CURB), 1 TYPE A CRASHWORTHY END TERMINAL (MASH), AND 113' OF SHAPING SLOPES CLASS III

FROM STA. 234+91.83 TO STA. 236+05.08 LT.
1 MGS BRIDGE APPROACH TRANSITION SECTION (REGULAR NO CURB), 1 TYPE A CRASHWORTHY END TERMINAL (MASH), AND 113' OF SHAPING SLOPES CLASS III

FROM STA. 241+91.04 TO STA. 244+04.29 LT.
1 MGS BRIDGE APPROACH TRANSITION SECTION (REGULAR NO CURB), 1 TYPE A CRASHWORTHY END TERMINAL (MASH), 100' MGS GUARDRAIL, AND 213' OF SHAPING SLOPES CLASS III



GUARDRAIL PLAN
SPECIAL SHEET 4 OF 5



DATE PREPARED 9/27/2023	
ROUTE 169/U	STATE MO
DISTRICT NW	SHEET NO. 7
COUNTY BUCH. / CLINTON	
JOB NO. JNW0016	
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)

REV.

460



MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

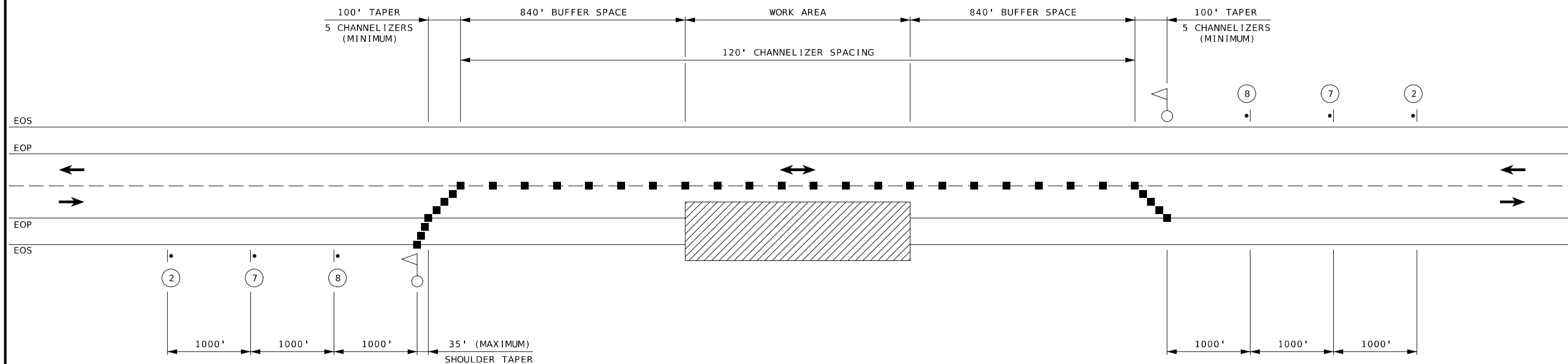
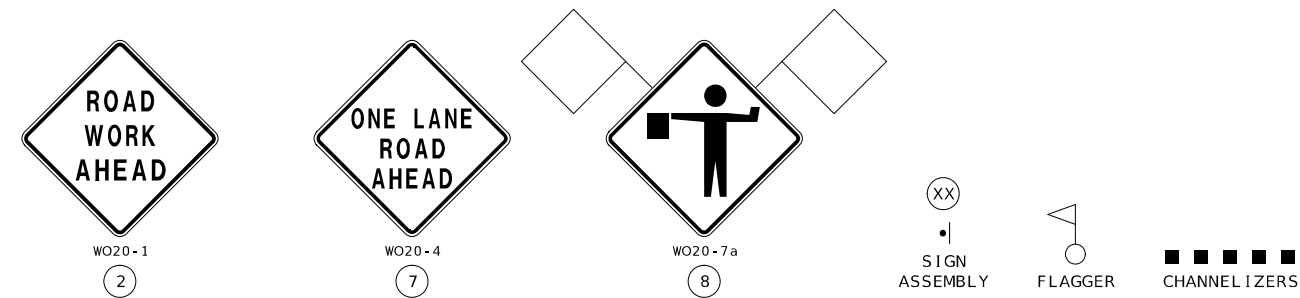
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-684-MODOT (1-888-684-6636)

NOTES: THIS SHEET IS CONSIDERED SUPPLEMENTAL TO STANDARD PLAN 616.20.

IF USED AT NIGHT, THE FLAGGER STATIONS SHALL BE ILLUMINATED WITH AN AVERAGE MAINTAINED INTENSITY OF 0.6 FOOTCANDLES (6.5 LUX).

SIGN SPACING MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

MIRROR TRAFFIC CONTROL SET UP FOR WORK IN THE OPPOSITE DIRECTION



NOT TO SCALE

STATIONARY LANE CLOSURE FOR GUARDRAIL REPLACEMENT

TRAFFIC CONTROL
SHEET 1 OF 1



DATE PREPARED
01/27/2022

ROUTE	STATE
169 / U	MO

DISTRICT NW	SHEET NO. 9
----------------	----------------

COUNTY
BUCH. / CLINTON

JOB NO.
JNW0016

CONTRACT ID.

PROJECT NO.

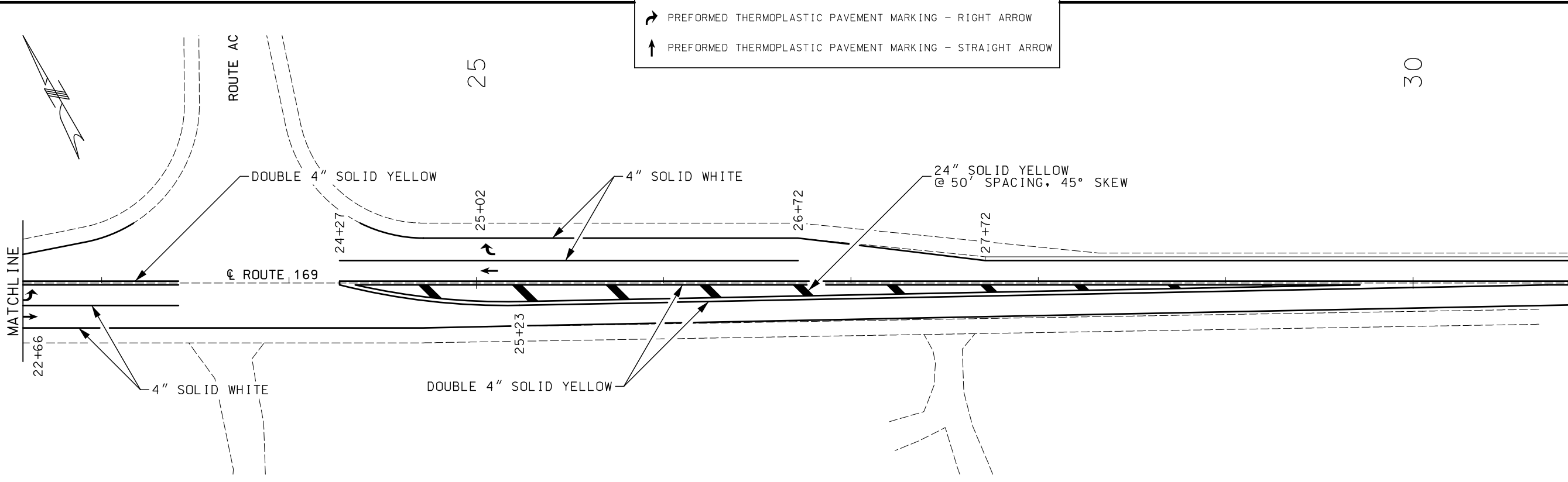
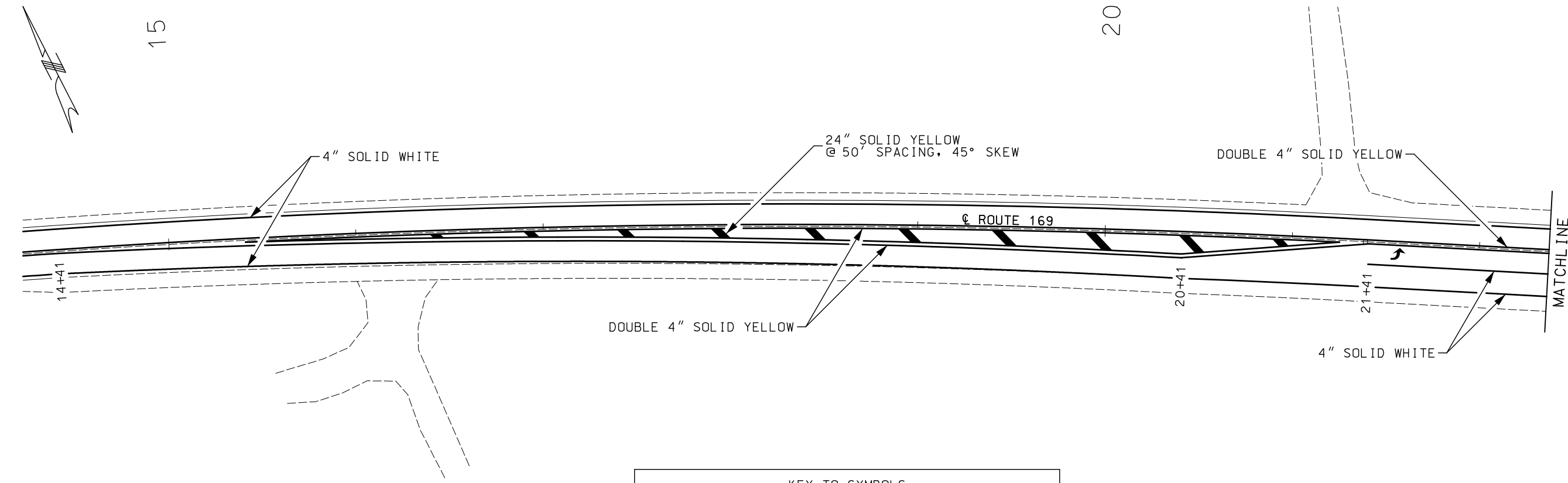
BRIDGE NO.

[illegible]

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

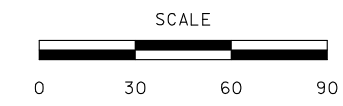
 105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

REV.



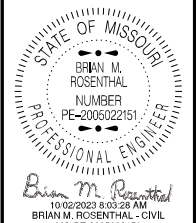
KEY TO SYMBOLS

- ← PREFORMED THERMOPLASTIC PAVEMENT MARKING - LEFT ARROW
- PREFORMED THERMOPLASTIC PAVEMENT MARKING - RIGHT ARROW
- ↑ PREFORMED THERMOPLASTIC PAVEMENT MARKING - STRAIGHT ARROW



INTERSECTION WITH ROUTE AC

PAVEMENT MARKING
SHEET 1 OF 2



DATE PREPARED
9/28/2023

ROUTE	STATE
169/U	MO
DISTRICT	SHEET NO.
NW	10

COUNTY
BUCH. / CLINTON

JOB NO.
JNW0016

CONTRACT ID.

PROJECT NO.

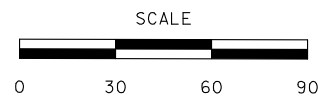
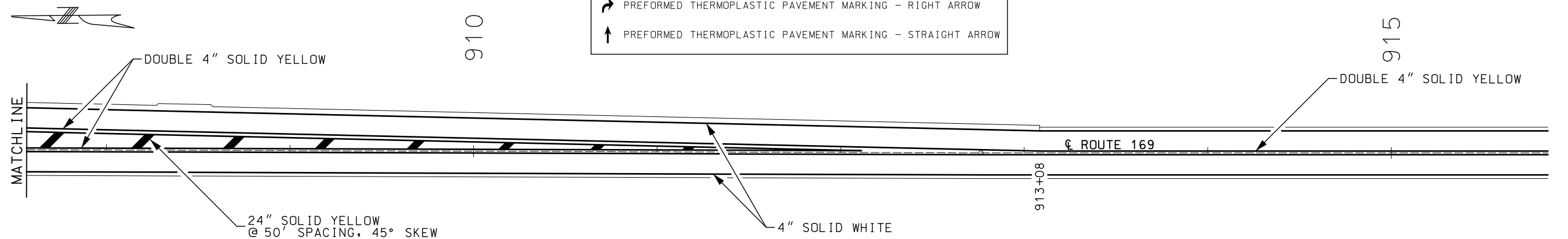
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

REV.



INTERSECTION WITH ROUTE 116

PAVEMENT MARKING
SHEET 2 OF 2



1