MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

BUCHANAN COUNTY

DESIGN DESIGNATION

A.A.D.T. - 2026 = 40,501
A.A.D.T. - 2036 = 49,751
D.H.V. = 7.26%
T = 27.81%
V = 70 M.P.H.

FUNCTIONAL CLASSIFICATION- INTERSTATE

NO RIGHT-OF-WAY ACQUISITION

KEY MAP
LOCATION OF BUCHANAN COUNTY

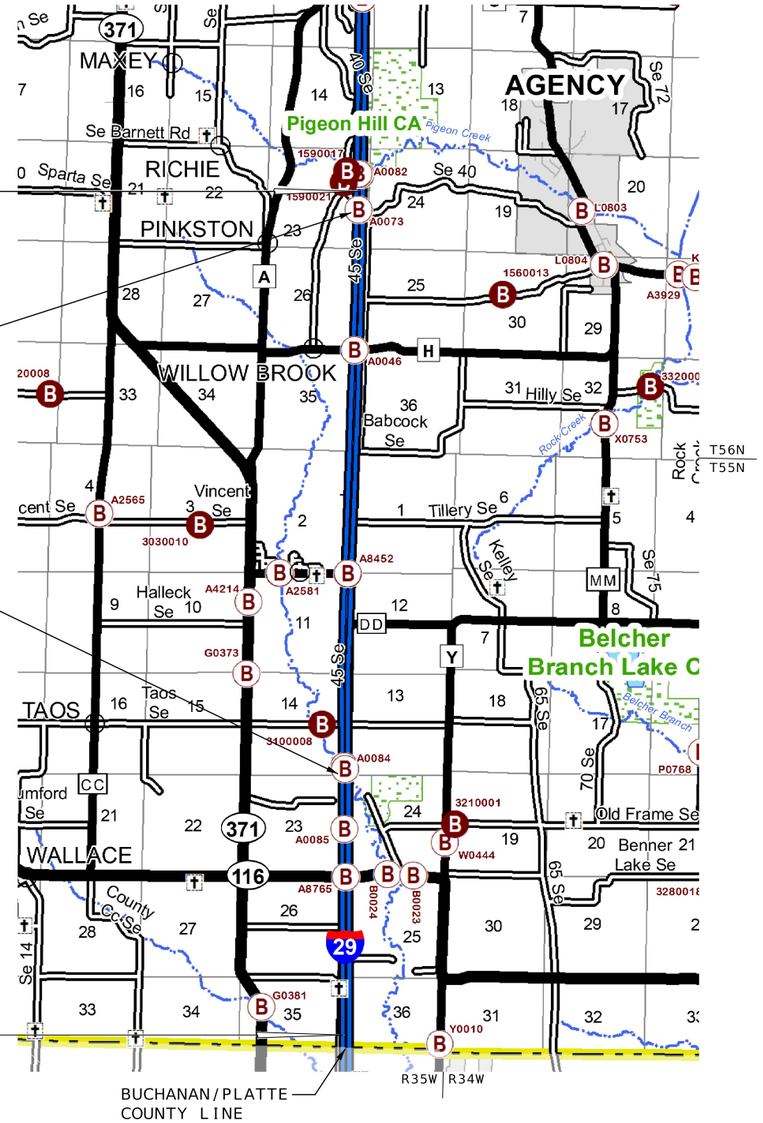
BEGIN PROJECT
LOG MILE 84.429
STA. 599+80.25

BR. A0082 (NBL & SBL)
311.17' (EXCEPT.)

BR. A0084 (NBL & SBL)
227.50' (EXCEPT.)

JOB NO. JNW0051
PAVEMENT RESURFACING
LENGTH = 8.532 MILES

END PROJECT
LOG MILE 93.063
STA. 1056+16.84



½ 0 1 2
SCALE IN MILES

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.

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	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	—V—	
WOVEN WIRE	—X—	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (3 SHEETS)	2
QUANTITIES (QU) (12 SHEETS)	3
PLAN-PROFILE (PP)	
RIGHT OF WAY (RW)	
REFERENCE POINTS (RP)	
COORDINATE POINTS (CP)	
SPECIAL SHEETS (SS)	4-12
TRAFFIC CONTROL SHEETS (TC)	13-34
EROSION CONTROL SHEETS (EC)	
LIGHTING (LT)	
SIGNALS (SG)	
SIGNING (SN)	
PAVEMENT MARKING (PM)	35-36
CULVERT SECTIONS (CS)	
BRIDGE DRAWINGS (B)	
CROSS SECTIONS (XS)	

LENGTH OF PROJECT

BEGINNING OF PROJECT STA. 599+80.25
END OF PROJECT STA. 1056+16.84

APPARENT LENGTH 45,636.59 FEET

EQUATIONS AND EXCEPTIONS:

EQUATIONS:

STA. 608+60.20 BK. = STA. 608+72.20 AH. -12.00'
STA. 643+46.90 BK. = STA. 643+49.00 AH. -2.10'
STA. 672+06.25 BK. = STA. 672+11.18 AH. -4.93'
STA. 711+66.47 BK. = STA. 711+67.75 AH. -1.28'
STA. 732+48.60 BK. = STA. 732+50.56 AH. -1.96'
STA. 785+95.50 BK. = STA. 786+04.10 AH. -8.60'
STA. 872+97.57 BK. = STA. 873+00.00 AH. -2.43'
STA. 885+00.00 BK. = STA. 885+08.90 AH. -8.90'
STA. 944+53.05 BK. = STA. 944+57.35 AH. -4.30'
STA. 991+72.85 BK. = STA. 991+74.20 AH. -1.35'
STA. 1045+54.55 BK. = STA. 1045+56.96 AH. -2.41'

EXCEPTIONS:

STA. 600+15.25 TO STA. 603+26.42 BR. A0082-311.17'
STA. 913+35.77 TO STA. 915+63.27 BR. A0084-227.50'

TOTAL CORRECTIONS -588.93 FEET
NET LENGTH OF PROJECT 45,047.66 FEET
STATE LENGTH 8.532 MILES

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 2 ACRES

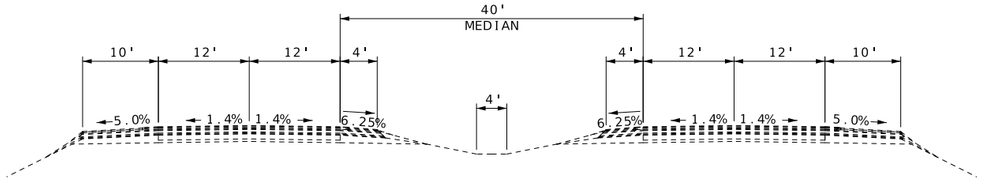
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER
Brian M. Rosenthal
08/01/2025 2:18:30 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED 7/28/2025
ROUTE I-29 STATE MO
DISTRICT NW SHEET NO. 1
COUNTY BUCHANAN
JOB NO. JNW0051
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)

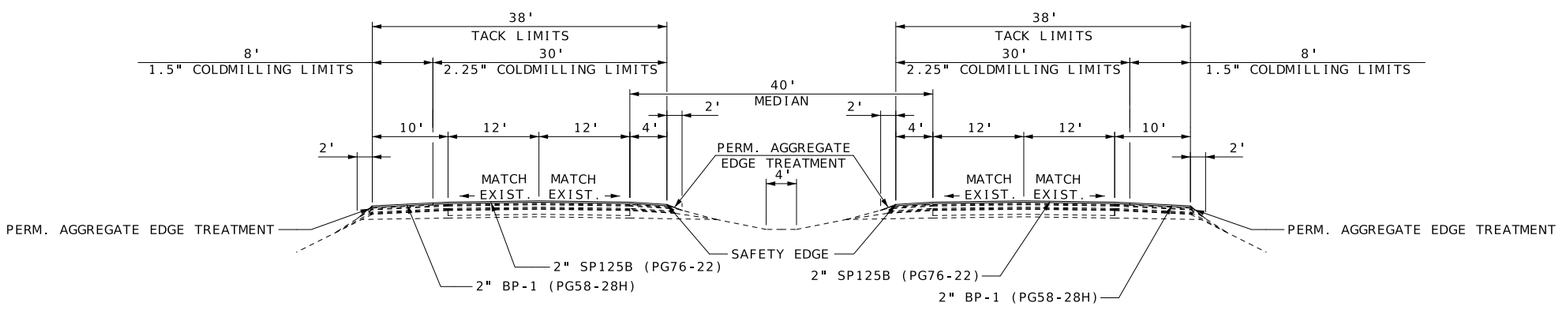
REV.



EXISTING TYPICAL SECTION

ROUTE I-29

BRIDGE EXCEPTION:
STA. 600+15.25 TO STA. 603+26.42 BR. A0082
STA. 603+26.42 TO 608+60.20
EQUATION:
STA. 608+60.20 BK. = STA. 608+72.20 AH.
STA. 608+72.20 TO STA. 643+46.90
EQUATION:
STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00 TO STA. 672+06.25
EQUATION:
STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18 TO STA. 711+66.47
EQUATION:
STA. 711+66.47 BK. = STA. 711+67.75 AH.
STA. 711+67.75 TO STA. 732+48.60
EQUATION:
STA. 732+48.60 BK. = STA. 732+50.56 AH.
STA. 732+50.56 TO STA. 785+95.50
EQUATION:
STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10 TO STA. 872+97.57
EQUATION:
STA. 872+97.57 BK. = STA. 873+00.00 AH.
STA. 873+00.00 TO STA. 885+00.00
EQUATION:
STA. 885+00.00 BK. = STA. 885+08.90 AH.
STA. 885+08.90 TO STA. 913+35.77
BRIDGE EXCEPTION:
STA. 913+35.77 TO STA. 915+63.27 BR. A0084
STA. 915+63.27 TO STA. 944+53.05
EQUATION:
STA. 944+53.05 BK. = STA. 944+57.35 AH.
STA. 944+57.35 TO STA. 991+72.85
EQUATION:
STA. 991+72.85 BK. = STA. 991+74.20 AH.
STA. 991+74.20 TO STA. 1045+54.55
EQUATION:
STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
STA. 1045+56.96 TO STA. 1056+16.84



PROPOSED TYPICAL SECTION

ROUTE I-29

BRIDGE EXCEPTION:
STA. 600+15.25 TO STA. 603+26.42 BR. A0082
STA. 603+26.42 TO 608+60.20
EQUATION:
STA. 608+60.20 BK. = STA. 608+72.20 AH.
STA. 608+72.20 TO STA. 643+46.90
EQUATION:
STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00 TO STA. 672+06.25
EQUATION:
STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18 TO STA. 711+66.47
EQUATION:
STA. 711+66.47 BK. = STA. 711+67.75 AH.
STA. 711+67.75 TO STA. 732+48.60
EQUATION:
STA. 732+48.60 BK. = STA. 732+50.56 AH.
STA. 732+50.56 TO STA. 785+95.50
EQUATION:
STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10 TO STA. 872+97.57
EQUATION:
STA. 872+97.57 BK. = STA. 873+00.00 AH.
STA. 873+00.00 TO STA. 885+00.00
EQUATION:
STA. 885+00.00 BK. = STA. 885+08.90 AH.
STA. 885+08.90 TO STA. 913+35.77
BRIDGE EXCEPTION:
STA. 913+35.77 TO STA. 915+63.27 BR. A0084
STA. 915+63.27 TO STA. 944+53.05
EQUATION:
STA. 944+53.05 BK. = STA. 944+57.35 AH.
STA. 944+57.35 TO STA. 991+72.85
EQUATION:
STA. 991+72.85 BK. = STA. 991+74.20 AH.
STA. 991+74.20 TO STA. 1045+54.55
EQUATION:
STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
STA. 1045+56.96 TO STA. 1056+16.84

NOT TO SCALE

PAVEMENT HISTORY

DRIVING LANES:

2020:	¾" UBAWS
2011:	1½" SP095BSM PG76-22
2005:	1¾" SP125B PG76-22
	MILL & RELAY
1989:	1¼" TYPE C AC
	3¾" TYPE B AC
1974:	1½" TYPE C AC
	1¼" TYPE B AC
1960-1961:	8" PCCP
	4" GRAN. BASE

INSIDE SHOULDER:

2020:	¾" UBAWS
2011:	VAR. DEPTH BP-2 PG64-22
1989:	1¼" TYPE C AC
	3¾" TYPE B AC
1974:	1½" TYPE C AC
	1¼" TYPE B AC
1960-1961:	12" GRAN. BASE

OUTSIDE SHOULDER:

2020:	SEAL COAT
2011:	VAR. DEPTH BP-2 PG64-22
1989:	1¼" TYPE C AC
	3¾" TYPE B AC
1974:	1½" TYPE C AC
	1¼" TYPE B AC
1960-1961:	12" GRAN. BASE

ESTIMATE FACTORS*	
SP125B (PG76-22)	1.98 TONS/YD.³
BP-1 (PG58-28H)	1.98 TONS/ YD.³
TACK COAT (MILLED SURFACE)	0.10 GAL./YD.²
TACK COAT (EXISTING PAVEMENT)	0.08 GAL./YD.²
PERMANENT AGGREGATE EDGE TREATMENT	1.40 TONS/YD.³

* FOR INFORMATIONAL PURPOSES ONLY

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 2:20:03 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED
7/28/2025

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	2

COUNTY
BUCHANAN

JOB NO.
JNW0051

CONTRACT ID.

PROJECT NO.

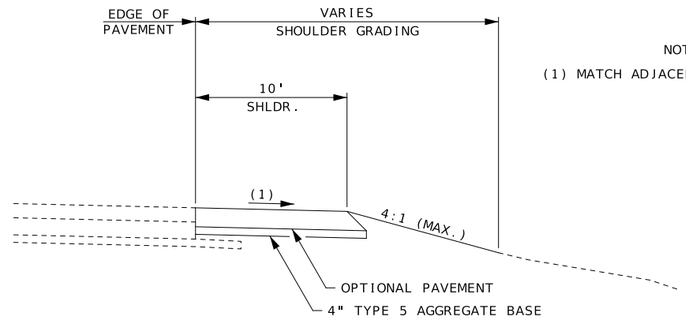
BRIDGE NO.

DESCRIPTION	DATE

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

TYPICAL SECTIONS

SHEET 1 OF 3



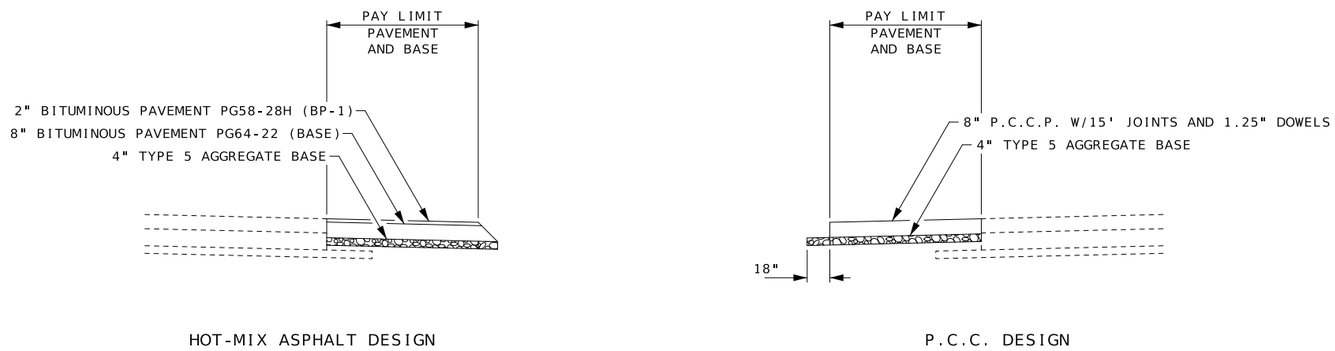
NOTES:

(1) MATCH ADJACENT PAVEMENT SLOPE

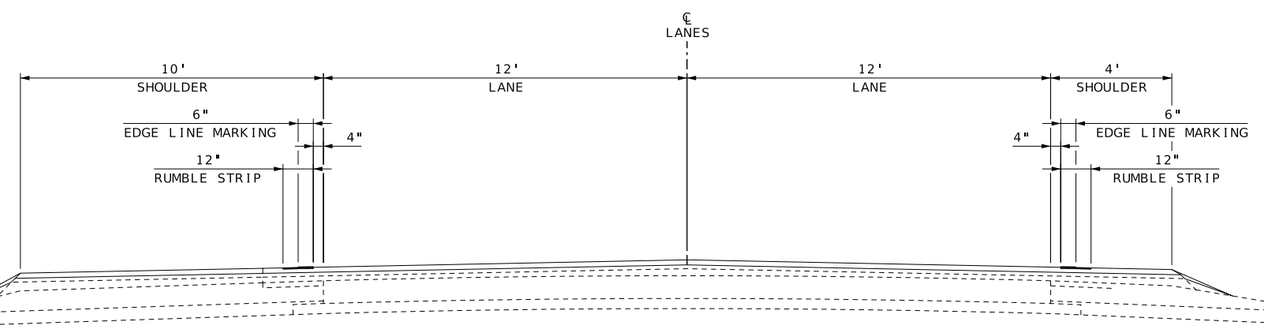
TYPICAL OUTSIDE SHOULDER REPLACEMENT ROUTE I-29

SEE SHEETS 4 & 5 FOR LOCATIONS

(CONSTRUCT PRIOR TO SHIFTING TRAFFIC ONTO THE SHOULDER)



OPTIONAL PAVEMENTS



HALF SECTION ON TANGENT

PROPOSED TYPICAL SECTION ROUTE I-29

SHOULDER RUMBLE STRIPS

NOT TO SCALE

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 2:21:06 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	7/28/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	2
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

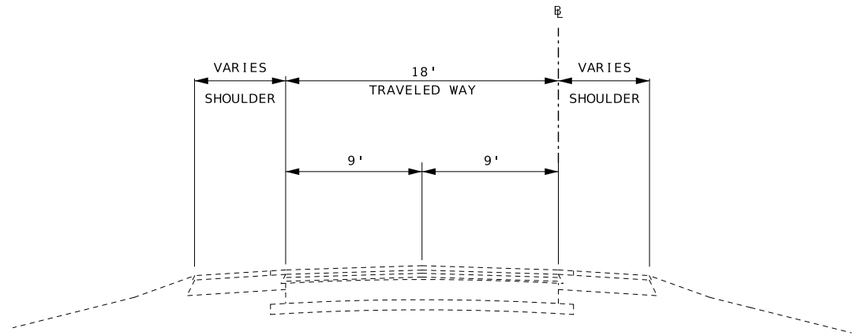
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

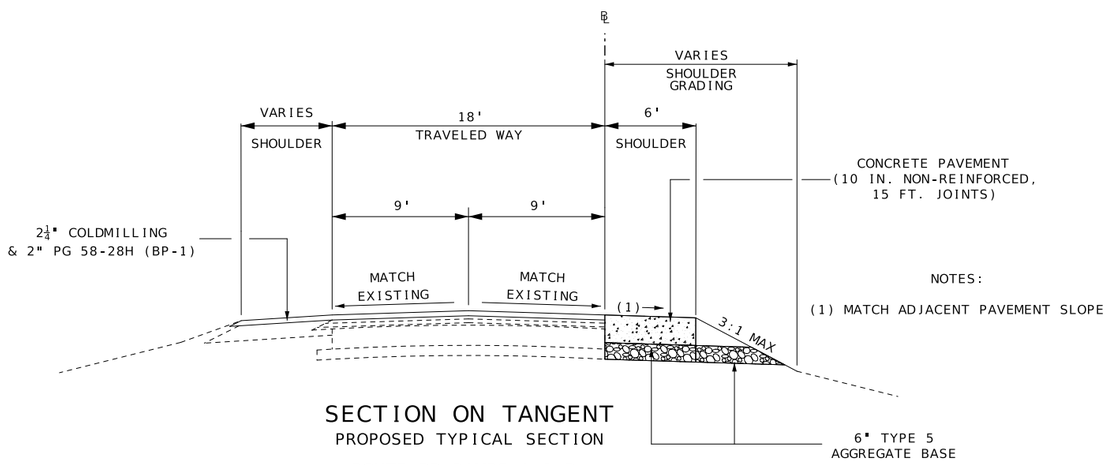
TYPICAL SECTIONS

SHEET 2 OF 3



SECTION ON TANGENT
EXISTING TYPICAL SECTION

ROUTE DD RAMPS A, B, C, & D

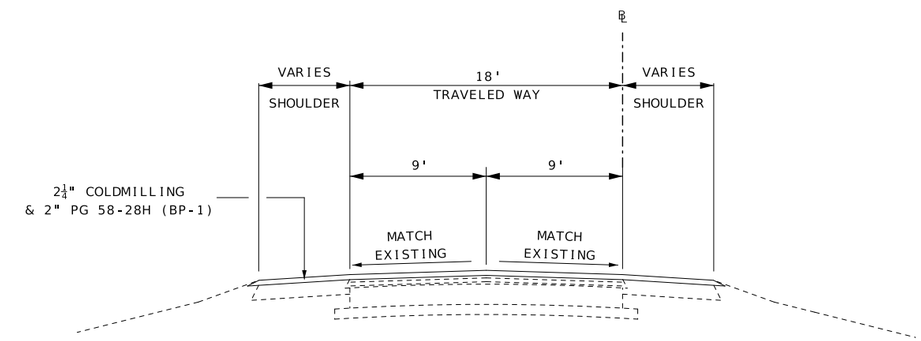


NOTES:

(1) MATCH ADJACENT PAVEMENT SLOPE

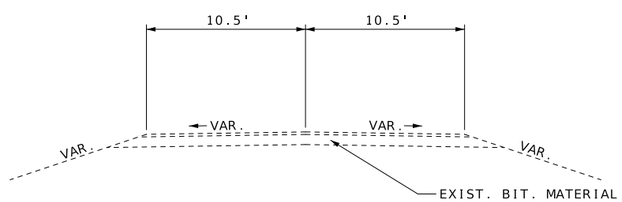
SECTION ON TANGENT
PROPOSED TYPICAL SECTION

ROUTE DD RAMPS A & B



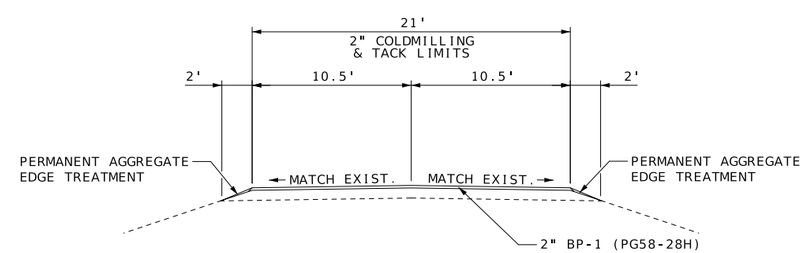
SECTION ON TANGENT
PROPOSED TYPICAL SECTION

ROUTE DD RAMPS C & D



EXIST. TYPICAL SECTION
OUTER ROAD ON ROUTE DD

STA. 806+53.01 TO STA. 816+08.46 *



PROPOSED TYPICAL SECTION
OUTER ROAD ON ROUTE DD

STA. 806+53.01 TO STA. 816+08.46 *

* ROUTE DD OUTER ROAD LOCATED IN THE NW QUADRANT OF THE INTERCHANGE OF I-29 AND ROUTE DD. STATIONING IS FROM ROUTE DD EDGE OF PAVEMENT TO THE NORTH END OF THE PILOT TRAVEL CENTER CONCRETE DRIVEWAY APRON

NOT TO SCALE

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 2:22:15 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	
8/1/2025	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	2
COUNTY	
BUCHANAN	
JOB NO.	
JNW0051	
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 SECTIONS

SHEET 3 OF 3

REMOVAL OF IMPROVEMENTS

STATION	STATION	LOCATION	DESCRIPTION	REMOVALS S.Y.	REMOVALS L.F.	REMOVALS EACH	REMARKS
593+77.00	600+15.25	I-29 S.B. RT.	SHOULDER PAVEMENT	709.17			
599+80.25	599+95.25	I-29 S.B.	CONCRETE APPROACH PAVEMENT	46.67			
599+80.25	600+15.25	I-29 S.B.	SHLDR. RECONSTRUCTION PVM'T	38.86			
599+95.25	600+15.25	I-29 S.B.	BRIDGE APPROACH SLAB	62.22			
621+34.68	622+43.77	I-29 S.B. LT.	GUARD CABLE		109.09		GUARD CABLE SE 4TH ST. BRIDGE
622+04.45	623+76.02	I-29 S.B. LT.	GUARDRAIL		171.84		MEDIAN PROTECTION SE 40TH ST. BRIDGE
623+29.90	624+11.57	I-29 S.B. LT.	18" CMP		81.75		MEDIAN DRAINAGE SE 40TH ST. BRIDGE
694+63.63	695+35.72	I-29 S.B. LT.	GUARD CABLE		72.10		GUARD CABLE ROUTE H BRIDGE
695+19.99	696+09.05	I-29 S.B. LT.	15" CMP		89.11		MEDIAN DRAINAGE ROUTE H BRIDGE
695+35.95	697+07.41	I-29 S.B. LT.	GUARDRAIL		171.69		MEDIAN PROTECTION ROUTE H BRIDGE
696+09.05		I-29 S.B. LT.	48" PRECAST D.I.		2.20		MEDIAN DRAINAGE ROUTE H BRIDGE
696+09.05	696+19.74	I-29 S.B. LT.	15" RCP		15.12		MEDIAN DRAINAGE ROUTE H BRIDGE
808+76.70	814+27.03	I-29 S.B. LT.	GUARDRAIL		550.34		MEDIAN PROTECTION ROUTE DD BRIDGE
811+38.80	811+50.32	I-29 S.B. LT.	GUARD CABLE		11.53		GUARD CABLE ROUTE DD BRIDGE
811+88.71	812+70.00	I-29 S.B. LT.	18" CMP		81.30		MEDIAN DRAINAGE ROUTE DD BRIDGE
812+70.00		I-29 S.B. LT.	48" PRECAST D.I.		2.80		MEDIAN DRAINAGE ROUTE DD BRIDGE
812+70.00	812+81.39	I-29 S.B. LT.	18" RCP		16.10		MEDIAN DRAINAGE ROUTE DD BRIDGE
968+46.68	972+97.31	I-29 S.B. LT.	GUARDRAIL		450.67		MEDIAN PROTECTION ROUTE 116 BRIDGE
970+50.98	970+64.77	I-29 S.B. LT.	GUARD CABLE		13.79		GUARD CABLE ROUTE 116 BRIDGE
972+51.86		I-29 S.B. LT.	30" PIPE		12.58		MEDIAN DRAINAGE ROUTE 116 BRIDGE
972+51.86		I-29 S.B. LT.	48" PRECAST D.I.		2.20		MEDIAN DRAINAGE ROUTE 116 BRIDGE
972+51.86	972+99.28	I-29 S.B. LT.	15" CMP		47.45		MEDIAN DRAINAGE ROUTE 116 BRIDGE
906+84.81	913+28.84	I-29 S.B. RT.	SHOULDER PAVEMENT	714.15			
912+88.07	913+25.01	I-29 S.B.	CONCRETE APPROACH PAVEMENT	89.79			
912+88.07	913+28.85	I-29 S.B.	SHLDR. RECONSTRUCTION PVM'T	42.10			
913+03.07	913+45.01	I-29 S.B.	BRIDGE APPROACH SLAB	62.22			
915+50.57	916+07.51	I-29 S.B.	SHLDR. RECONSTRUCTION PVM'T	60.06			
915+56.35	915+92.51	I-29 S.B.	BRIDGE APPROACH SLAB	62.22			
915+76.35	916+07.51	I-29 S.B.	CONCRETE APPROACH PAVEMENT	71.81			
915+50.56	921+24.54	I-29 S.B. RT.	SHOULDER PAVEMENT	630.57			
595+24.94	600+15.25	I-29 N.B. RT.	SHOULDER PAVEMENT	544.79			
599+80.25	599+95.25	I-29 N.B.	CONCRETE APPROACH PAVEMENT	46.67			
599+80.25	600+15.25	I-29 N.B.	SHLDR. RECONSTRUCTION PVM'T	38.86			
599+95.25	600+15.25	I-29 N.B.	BRIDGE APPROACH SLAB	62.22			
603+26.42	603+46.42	I-29 N.B.	BRIDGE APPROACH SLAB	62.22			
603+26.42	603+61.42	I-29 N.B.	SHLDR. RECONSTRUCTION PVM'T	38.89			
603+46.42	603+61.42	I-29 N.B.	CONCRETE APPROACH PAVEMENT	46.67			
603+26.42	609+76.71	I-29 N.B. RT.	SHOULDER PAVEMENT	708.89			
622+23.01	623+95.20	I-29 N.B. LT.	GUARDRAIL		172.45		MEDIAN PROTECTION SE 40TH ST. BRIDGE
623+63.59	624+63.33	I-29 N.B. LT.	GUARD CABLE		99.76		GUARD CABLE SE 4TH ST. BRIDGE
695+50.20	697+21.81	I-29 N.B. LT.	GUARDRAIL		171.82		MEDIAN PROTECTION ROUTE H BRIDGE
697+22.80	697+92.28	I-29 N.B. LT.	GUARD CABLE		69.47		GUARD CABLE ROUTE H BRIDGE
811+73.98	817+24.88	I-29 N.B. LT.	GUARDRAIL		550.91		MEDIAN PROTECTION ROUTE DD BRIDGE
814+54.15	814+67.45	I-29 N.B. LT.	GUARD CABLE		13.30		GUARD CABLE ROUTE DD BRIDGE
970+99.29	975+23.77	I-29 S.B. LT.	GUARDRAIL		424.51		MEDIAN PROTECTION ROUTE 116 BRIDGE
973+34.19	973+48.52	I-29 N.B. LT.	GUARD CABLE		14.34		GUARD CABLE ROUTE 116 BRIDGE
908+11.46	913+85.44	I-29 N.B. RT.	SHOULDER PAVEMENT	634.54			
913+28.49	913+59.65	I-29 N.B.	CONCRETE APPROACH PAVEMENT	71.81			
913+28.49	913+85.43	I-29 N.B.	SHLDR. RECONSTRUCTION PVM'T	60.06			
913+43.49	913+79.65	I-29 N.B.	BRIDGE APPROACH SLAB	84.44			
915+90.99	916+27.15	I-29 N.B.	BRIDGE APPROACH SLAB	84.44			
916+07.15	916+47.93	I-29 N.B.	SHLDR. RECONSTRUCTION PVM'T	42.10			
916+10.99	916+47.93	I-29 N.B.	CONCRETE APPROACH PAVEMENT	109.66			
916+07.15	922+51.18	I-29 N.B. RT.	SHOULDER PAVEMENT	709.69			
VAR.	VAR.	I-29	EXIST. CONC. DRAIN BASINS			6	2 AT PIGEON CREEK, 4 AT BEE CREEK
			SUBTOTALS	5935.79	3418.22	6	
			REMOVE AND RESET GUARDRAIL SUBTOTAL		78.8		
			PAY TOTAL	LUMP SUM = 1			

DRAIN BASIN

STATION	STATION	LOCATION	DRAIN BASIN EACH	4" TYPE A CURB L.F.	REMARKS
I-29 SOUTHBOUND					
915+60.57	915+97.40	I-29 SBL RT.		36.8	BEE CREEK
915+79.15		I-29 SBL RT.	1		BEE CREEK
I-29 NORTHBOUND					
603+36.42	603+73.25	I-29 NBL RT.		36.8	PIGEON CREEK
603+55.00		I-29 NBL RT.	1		PIGEON CREEK
916+22.93	916+59.76	I-29 NBL RT.		36.8	BEE CREEK
916+41.51		I-29 NBL RT.	1		BEE CREEK
		SUBTOTAL	3	110.4	
		PAY TOTAL	3	110	

MOBILIZATION
LUMP SUM = 1

CONTRACTOR FURNISHED SURVEYING AND STAKING
LUMP SUM = 1

ADDITIONAL MOBILIZATION FOR SEEDING
EACH - 4

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 4:07:02 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED 8/1/2025

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	3

COUNTY: BUCHANAN

JOB NO. JNW0051

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)

SUMMARY OF QUANTITIES

SHEET 1 OF 12

RESURFACING

STATION	STATION	LOCATION	LENGTH	WIDTH	DEPTH	2" SP125B PG76-22	2" BP-1 PG58-28H	TACK COAT - LOW TRACKING TACK	REMARKS
				FT.	IN.	TONS	TONS	GAL.	
I-29 SOUTHBOUND									
604+26.42	608+60.20	SBL	433.78	30	2	159.05		144.6	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	SBL	3474.70	30	2	1274.06		1158.2	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	SBL	2857.25	30	2	1047.66		952.4	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	SBL	3955.29	30	2	1450.27		1318.4	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	SBL	2080.85	30	2	762.98		693.6	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	SBL	5344.94	30	2	1959.81		1781.6	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	872+97.57	SBL	8693.47	30	2	3187.61		2897.8	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	SBL	1200.00	30	2	440.00		400.0	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	906+84.81	SBL	2175.91	30	2	797.83		725.3	
906+84.81	912+88.07	SBL	603.26	28	2.25	232.26		187.7	ADJACENT TO SHOULDER REPLACEMENT SECTION
604+26.42	608+60.20	SBL	433.78	8	2		42.41	38.6	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	SBL	3474.70	8	2		339.75	308.9	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	SBL	2857.25	8	2		279.38	254.0	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	SBL	3955.29	8	2		386.74	351.6	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	SBL	2080.85	8	2		203.46	185.0	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	SBL	5344.94	8	2		522.62	475.1	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	802+42.40	SBL	1638.30	8	2		160.19	145.6	
802+42.40	807+96.27	SBL	553.87	VAR.	2		110.08	100.1	DECEL. LANE AND TAPER. STA. 807+96.27 I-29 = STA. 5+52.19 RAMP B
5+52.19	6+76.86	RAMP B	124.67	26	2		39.62	36.0	EQ. STA. 6+76.86 BK. = STA. 5+92.59 AH.
5+92.59	9+13.26	RAMP B	320.67	26	2		101.90	92.6	
807+96.27	820+61.91	SBL	1265.64	8	2		123.75	112.5	
0+75.00	7+67.97	RAMP D	692.97	26	2		220.21	200.2	STA. 7+67.97 RAMP D = STA. 820+61.91 I-29
820+61.91	830+70.23	SBL	1008.32	VAR.	2		208.31	189.4	ACCEL. LANE AND TAPER
830+70.23	872+97.57	SBL	4227.34	8	2		413.34	375.8	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	SBL	1200.00	8	2		117.33	106.7	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	906+84.81	SBL	2175.91	8	2		212.76	193.4	
916+07.51	921+24.54	SBL	517.03	28	2.25	199.06		160.9	ADJACENT TO SHOULDER REPLACEMENT SECTION
921+24.54	944+53.05	SBL	2328.51	30	2	853.79		776.2	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	SBL	4715.50	30	2	1729.02		1571.8	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	SBL	5380.35	30	2	1972.80		1793.5	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	SBL	1059.88	30	2	388.62		353.3	
921+24.54	944+53.05	SBL	2328.51	8	2		227.68	207.0	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	SBL	4715.50	8	2		461.07	419.2	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	SBL	5380.35	8	2		526.08	478.3	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	SBL	1059.88	8	2		103.63	94.2	
OUTER ROAD, ROUTE DD									
806+53.01	816+08.46	OUTER ROAD	955.45	VARIES	2		258.62	236.3	FROM RTE. DD TO N. END OF PILOT DR. TAPER
I-29 NORTHBOUND									
603+61.42	608+60.20	NBL	498.78	28	2.25	192.03		155.2	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH. - ADJ. TO SHLDR. REPL.
608+72.20	609+76.71	NBL	104.51	28	2.25	40.24		32.5	ADJACENT TO SHOULDER REPLACEMENT SECTION
609+76.71	643+46.90	NBL	3370.19	30	2	1235.74		1123.4	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	NBL	2857.25	30	2	1047.66		952.4	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	NBL	3955.29	30	2	1450.27		1318.4	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	NBL	2080.85	30	2	762.98		693.6	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	NBL	5344.94	30	2	1959.81		1781.6	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	872+97.57	NBL	8693.47	30	2	3187.61		2897.8	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	NBL	1200.00	30	2	440.00		400.0	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	908+11.46	NBL	2302.56	30	2	844.27		767.5	
908+11.46	913+28.49	NBL	517.03	28	2.25	199.06		160.9	ADJACENT TO SHOULDER REPLACEMENT SECTION
609+76.71	643+46.90	NBL	3370.19	8	2		329.53	299.6	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	NBL	2857.25	8	2		279.38	254.0	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	NBL	3955.29	8	2		386.74	351.6	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	NBL	2080.85	8	2		203.46	185.0	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	NBL	5344.94	8	2		522.62	475.1	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	793+96.65	NBL	792.55	8	2		77.49	70.4	
793+96.65	808+22.00	NBL	1425.35	VAR.	2		288.22	262.0	ACCEL. LANE AND TAPER. STA. 808+22.00 I-29 = STA. 4+94.72 RAMP A
0+75.00	4+94.72	RAMP A	419.72	26	2		133.38	121.3	
4+82.78	14+03.78	RAMP C	921.00	26	2		292.67	266.1	STA. 4+84.78 RAMP C = STA. 822+91.57 I=29
808+22.00	822+91.57	NBL	1469.57	8	2		143.69	130.6	
822+91.57	828+59.63	NBL	568.06	VAR.	2		115.72	105.2	DECEL. LANE AND TAPER
828+59.63	872+97.57	NBL	4437.94	8	2		433.93	394.5	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	NBL	1200.00	8	2		117.33	106.7	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	908+11.46	NBL	2302.56	8	2		225.14	204.7	
916+47.93	922+51.18	NBL	603.25	30	2	221.19		201.1	ADJACENT TO SHOULDER REPLACEMENT SECTION
922+51.18	944+53.05	NBL	2201.87	30	2	807.35		734.0	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	NBL	4715.50	30	2	1729.02		1571.8	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	NBL	5380.35	30	2	1972.80		1793.5	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	NBL	1059.88	30	2	388.62		353.3	
922+51.18	944+53.05	NBL	2201.87	8	2		215.29	195.7	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	NBL	4715.50	8	2		461.07	419.2	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	NBL	5380.35	8	2		526.08	478.3	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	NBL	1059.88	8	2		103.63	94.2	
					SUBTOTAL	32933.47	9914.3	38867	
					PAY TOTALS	32933.5	9914.3	38867	

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 4:07:43 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED
8/1/2025

ROUTE	STATE
I-29	MO

DISTRICT	SHEET NO.
NW	3

COUNTY
BUCHANAN

JOB NO.
JNW0051

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)

SUMMARY OF QUANTITIES

SHEET 2 OF 12

COLDMILLING

STATION	STATION	LOCATION	WIDTH	DEPTH	LENGTH	COLDMILLING BITUMINOUS PAVEMENT (3" THICK OR LESS)	REMARKS
			FT.	IN.	FT.	S.Y.	
I-29 SOUTHBOUND							
604+26.42	608+60.20	SBL	30	2.25	433.78	1445.9	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	SBL	30	2.25	3474.70	11582.3	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	SBL	30	2.25	2857.25	9524.2	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	SBL	30	2.25	3955.29	13184.3	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	SBL	30	2.25	2080.85	6936.2	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	SBL	30	2.25	5344.94	17816.5	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	872+97.57	SBL	30	2.25	8693.47	28978.2	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	SBL	30	2.25	1200.00	4000.0	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	906+84.81	SBL	30	2.25	2175.91	7253.0	INSIDE SHOULDER, DRIVING LANES AND 2' OUTSIDE SHOULDER
906+84.81	912+88.07	SBL	28	2.25	603.26	1876.8	ADJACENT TO SHOULDER REPLACEMENT SECTION
604+26.42	608+60.20	SBL	8	1.5	433.78	385.6	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	SBL	8	1.5	3474.70	3088.6	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	SBL	8	1.5	2857.25	2539.8	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	SBL	8	1.5	3955.29	3515.8	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	SBL	8	1.5	2080.85	1849.6	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	SBL	8	1.5	5344.94	4751.1	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	802+42.40	SBL	8	1.5	1638.30	1456.3	8' OUTSIDE SHOULDER
802+42.40	807+96.27	SBL	VAR.	1.5	553.87	1000.8	DECEL. LANE AND TAPER. STA. 807+96.27 I-29 = STA. 5+52.19 RAMP B
5+52.19	6+76.86	RAMP B	26	1.5	124.67	360.2	EQ. STA. 6+76.86 BK. = STA. 5+92.59 AH.
5+92.59	9+13.26	RAMP B	26	1.5	320.67	926.4	
807+96.27	820+61.91	SBL	8	1.5	1265.64	1125.0	8' OUTSIDE SHOULDER
0+75.00	7+67.97	RAMP D	26	1.5	692.97	2001.9	STA. 7+67.97 RAMP D = STA. 820+61.91 I-29
820+61.91	830+70.23	SBL	VAR.	1.5	1008.32	1893.8	ACCEL. LANE AND TAPER
830+70.23	872+97.57	SBL	8	1.5	4227.34	3757.6	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	SBL	8	1.5	1200	1066.7	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	906+84.81	SBL	8	1.5	2175.91	1934.1	
916+07.51	921+24.54	SBL	28	2.25	517.03	1608.5	ADJACENT TO SHOULDER REPLACEMENT SECTION
921+24.54	944+53.05	SBL	30	2.25	2328.51	7761.7	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	SBL	30	2.25	4715.5	15718.3	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	SBL	30	2.25	5380.35	17934.5	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	SBL	30	2.25	1059.88	3532.9	
921+24.54	944+53.05	SBL	8	1.5	2328.51	2069.8	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	SBL	8	1.5	4715.5	4191.6	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	SBL	8	1.5	5380.35	4782.5	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	SBL	8	1.5	1059.88	942.1	
OUTER ROAD, ROUTE DD							
806+53.01	816+08.46	NBL	VARIES	2	955.45	2363.0	FROM RTE. DD TO N. END OF PILOT DR. TAPER
I-29 NORTHBOUND							
603+61.42	608+60.20	NBL	28	2.25	498.78	1551.8	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH. - ADJ. TO SHLDR. REPL.
608+72.20	609+76.71	NBL	28	2.25	104.51	325.1	ADJACENT TO SHOULDER REPLACEMENT SECTION
609+76.71	643+46.90	NBL	30	2.25	3370.19	11234.0	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	NBL	30	2.25	2857.25	9524.2	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	NBL	30	2.25	3955.29	13184.3	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	NBL	30	2.25	2080.85	6936.2	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	NBL	30	2.25	5344.94	17816.5	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	872+97.57	NBL	30	2.25	8693.47	28978.2	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	NBL	30	2.25	1200	4000.0	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	908+11.46	NBL	30	2.25	2302.56	7675.2	INSIDE SHOULDER, DRIVING LANES AND 2' OUTSIDE SHOULDER
908+11.46	913+28.49	NBL	28	2.25	517.03	1608.5	ADJACENT TO SHOULDER REPLACEMENT SECTION
609+76.71	643+46.90	NBL	8	1.5	3370.19	2995.7	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	NBL	8	1.5	2857.25	2539.8	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	NBL	8	1.5	3955.29	3515.8	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	NBL	8	1.5	2080.85	1849.6	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	NBL	8	1.5	5344.94	4751.1	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	793+96.65	NBL	8	1.5	792.55	704.5	8' OUTSIDE SHOULDER
793+96.65	808+22.00	NBL	VAR.	1.5	1425.35	2620.2	ACCEL. LANE AND TAPER. STA. 808+22.00 I-29 = STA. 4+94.72 RAMP A
0+75.00	4+94.72	RAMP A	26	1.5	419.72	1212.5	
4+82.78	14+03.78	RAMP C	26	1.5	921	2660.7	STA. 4+84.78 RAMP C = STA. 822+91.57 I=29
808+22.00	822+91.57	NBL	8	1.5	1469.57	1306.3	8' OUTSIDE SHOULDER
822+91.57	828+59.63	NBL	VAR.	1.5	568.06	1052.0	DECEL. LANE AND TAPER
828+59.63	872+97.57	NBL	8	1.5	4437.94	3944.8	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	NBL	8	1.5	1200	1066.7	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	908+11.46	NBL	8	1.5	2302.56	2046.7	
916+47.93	922+51.18	NBL	28	2.25	603.25	1876.8	ADJACENT TO SHOULDER REPLACEMENT SECTION
922+51.18	944+53.05	NBL	30	2.25	2201.87	7339.6	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	NBL	30	2.25	4715.5	15718.3	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	NBL	30	2.25	5380.35	17934.5	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	NBL	30	2.25	1059.88	3532.9	
922+51.18	944+53.05	NBL	8	1.5	2201.87	1957.2	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	NBL	8	1.5	4715.5	4191.6	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	NBL	8	1.5	5380.35	4782.5	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	NBL	8	1.5	1059.88	942.1	
					SUBTOTAL	388531.5	
					PAY TOTAL	388532	

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 4:08:17 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED
8/1/2025

ROUTE	STATE
I-29	MO

DISTRICT	SHEET NO.
NW	3

COUNTY
BUCHANAN

JOB NO.
JNW0051

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)

SUMMARY OF QUANTITIES

SHEET 3 OF 12

TYPE C PARTIAL DEPTH PAVEMENT REPAIR

LOG*	LOG*	LOCATION	REPAIR AREA	REMOVAL FOR CLASS C PARTIAL DEPTH PAVEMENT REPAIR S.Y.	FURNISHING AND PLACING BITUMINOUS MATERIAL FOR CLASS C PARTIAL DEPTH PAVEMENT REPAIR TONS
I-29 SOUTHBOUND					
85.193		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
85.25		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
85.261		DRIVING LANE	2' X 12'	2.67	0.88
85.413		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
85.435		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
85.61		DRIVING LANE	2' X 12'	2.67	0.88
85.633		DRIVING LANE	2' X 12'	2.67	0.88
85.656		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
85.784		DRIVING LANE	2' X 12'	2.67	0.88
85.82		DRIVING LANE	2' X 12'	2.67	0.88
86.566		DRIVING LANE	2' X 12'	2.67	0.88
86.668		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
86.682		PASSING LANE	2' X 12'	2.67	0.88
86.683		PASSING LANE	2' X 12'	2.67	0.88
86.693		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
86.706		DRIVING LANE	2' X 12'	2.67	0.88
86.774		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
87.184		DRIVING LANE	2' X 12'	2.67	0.88
87.208		DRIVING LANE	2' X 12'	2.67	0.88
87.277		DRIVING LANE	2' X 12'	2.67	0.88
87.311		DRIVING LANE	2' X 12'	2.67	0.88
87.708		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
87.86		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
87.964		DRIVING LANE	2' X 12'	2.67	0.88
87.998		DRIVING LANE	2' X 12'	2.67	0.88
88.306		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
88.818		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
89.31		PASSING LANE	2' X 12'	2.67	0.88
89.364		DRIVING LANE	2' X 12'	2.67	0.88
89.483		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
89.658		DRIVING LANE	2' X 12'	2.67	0.88
89.808		DRIVING LANE	2' X 12'	2.67	0.88
89.854		DRIVING LANE	2' X 12'	2.67	0.88
89.945		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
89.979		DRIVING LANE	2' X 12'	2.67	0.88
90.007		DRIVING LANE	2' X 12'	2.67	0.88
90.008		DRIVING LANE	2' X 12'	2.67	0.88
90.132		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
90.203		DRIVING LANE	2' X 12'	2.67	0.88
90.204		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
90.302		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
90.312		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
90.313		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
90.323		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
90.334		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
90.375		DRIVING LANE	2' X 12'	2.67	0.88
90.665		PASSING LANE	2' X 12'	2.67	0.88
91.952		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
92.064		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
92.065		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
92.61		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
92.611		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
			SUBTOTAL	208.00	68.64

TYPE C PARTIAL DEPTH PAVEMENT REPAIR CONT'D.

LOG*	LOG*	LOCATION	REPAIR AREA	REMOVAL FOR CLASS C PARTIAL DEPTH PAVEMENT REPAIR S.Y.	FURNISHING AND PLACING BITUMINOUS MATERIAL FOR CLASS C PARTIAL DEPTH PAVEMENT REPAIR TONS
I-29 NORTHBOUND					
35.675		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
35.698		DRIVING LANE	2' X 12'	2.67	0.88
35.72		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
35.804	35.881	C.L.	2' X 407'	90.44	29.85
35.92	36.024	C.L.	2' X 549'	122	40.26
36.441		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
36.557		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
36.558		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
37.576		DRIVING LANE	2' X 12'	2.67	0.88
37.577		DRIVING LANE	2' X 12'	2.67	0.88
37.888		DRIVING LANE	2' X 12'	2.67	0.88
37.923		PASSING LANE	2' X 12'	2.67	0.88
38.27		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
38.38		DRIVING LANE	2' X 12'	2.67	0.88
38.39		DRIVING LANE	2' X 12'	2.67	0.88
38.396		DRIVING LANE	2' X 12'	2.67	0.88
38.456		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
38.457		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
38.465		DRIVING LANE	2' X 12'	2.67	0.88
38.477		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
38.561		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
38.562		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
39.531		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
39.532		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
41.248		PASSING LANE	2' X 12'	2.67	0.88
41.25		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
41.608		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
42.343		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
42.949		DRIVING LANE	2' X 12'	2.67	0.88
42.944		DRIVING LANE	2' X 12'	2.67	0.88
43.73		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
43.731		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
43.88		DRIVING LANE	2' X 12'	2.67	0.88
44.113		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
44.114		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
44.273		DRIVING AND PASSING LANES	2' X 24'	5.33	1.76
44.277		DRIVING LANE	2' X 12'	2.67	0.88
			SUBTOTAL	361.75	119.39
			SUBTOTAL PREV. TABLE	208.00	68.64
			PAY TOTAL	569.8	188.0

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 4:08:52 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED
8/1/2025

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	3

COUNTY
BUCHANAN

JOB NO.
JNW0051

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)

SUMMARY OF QUANTITIES

SHEET 4 OF 12

FULL DEPTH PAVEMENT REPAIR

LOG	LOCATION	REPAIR AREA	FURNISHING AND PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIR S.Y.	SUBGRADE COMPACTION (6 IN. DEPTH) S.Y.	TYPE 1 OR 5 AGGREGATE FOR BASE (4 IN. THICK) S.Y.	FULL DEPTH PAVEMENT REPAIR SAW CUT L.F.	DOWEL BAR (DRILLING, FURNISHING, AND INSTALLATION) EACH	DOWEL BAR (FURNISHING AND INSTALLATION WITH BASKETS) EACH	TIE BAR (DRILLING, FURNISHING, AND INSTALLATION) EACH
I-29 SOUTHBOUND									
85.552	DRIVING LANE	6' X 12'	8.00	0.8	0.8	36	20		
85.913	DRIVING LANE	6' X 12'	8.00	0.8	0.8	36	20		
86.682	DRIVING LANE	8' X 12'	10.67	1.1	1.1	40	20		
90.206	DRIVING AND PASSING LANES	6' X 24'	16.00	1.6	1.6	66	40		
90.297	PASSING LANE	6' X 12'	8.00	0.8	0.8	36	20		
90.299	PASSING LANE	6' X 12'	8.00	0.8	0.8	36	20		
92.19	DRIVING AND PASSING LANES	8' X 24'	21.33	2.1	2.1	72.0	20		
92.2	DRIVING AND PASSING LANES	24' X 24'	64.00	6.4	6.4	192	40	20	10
92.282	DRIVING AND PASSING LANES	8' X 24'	21.33	2.1	2.1	72	40		
92.419	DRIVING LANE	8' X 12'	10.67	1.1	1.1	40	20		
92.42	DRIVING LANE	8' X 12'	10.67	1.1	1.1	40	20		
92.583	DRIVING AND PASSING LANES	8' X 24'	21.33	2.1	2.1	72	40		
I-29 NORTHBOUND									
35.731	DRIVING LANE	8' X 12'	10.67	1.1	1.1	40	20		
36.36	DRIVING LANE	18' X 12'	24.00	2.4	2.4	84	20	10	8
36.407	DRIVING AND PASSING LANES	8' X 24'	21.33	2.1	2.1	72.0	20		
37.576	PASSING LANE	8' X 12'	10.67	1.1	1.1	40	20		
37.923	DRIVING LANE	8' X 12'	10.67	1.1	1.1	40	20		
38.393	DRIVING LANE	6' X 12'	8.00	0.8	0.8	36	20		
38.397	DRIVING LANE	18' X 12'	24.00	2.4	2.4	84	20	10	8
38.453	DRIVING LANE	6' X 12'	8.00	0.8	0.8	36	20		
38.455	DRIVING LANE	6' X 12'	8.00	0.8	0.8	36	20		
44.299	DRIVING LANE	12' X 12'	16.00	16.00	16.00	30	20		
		SUBTOTAL	349.34	49.40	49.40	1236.00	520.00	40.00	26.00
		PAY TOTAL	349.3	49.4	49.4	1236	520	40	26

SHOULDER RECONSTRUCTION

STATION	STATION	LOCATION	LENGTH FT.	OPTIONAL PAVEMENT S.Y.	4" TYPE 5 AGGREGATE BASE S.Y.	SHOULDER GRADING 100 FT.	REMARKS
BRIDGES A0082 OVER PIGEON CREEK							
593+77.00	600+15.25	S.B.L. OUTSIDE SHOULDER	638.3	709.17	709.17	6.38	
595+24.94	600+15.25	N.B.L. OUTSIDE SHOULDER	490.3	544.79	544.79	4.90	
603+26.42	608+60.20	N.B.L. OUTSIDE SHOULDER	533.8	593.09	593.09	5.34	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	609+76.71	N.B.L. OUTSIDE SHOULDER	104.5	116.12	116.12	1.05	
BRIDGES A0084 OVER BEE CREEK							
906+84.81	913+28.84	S.B.L. OUTSIDE SHOULDER	644.03	712.38	712.38	6.44	
915+50.56	921+24.54	S.B.L. OUTSIDE SHOULDER	573.98	634.55	634.55	5.74	
908+11.46	913+85.44	N.B.L. OUTSIDE SHOULDER	573.98	634.55	634.55	5.74	
916+07.15	922+51.18	N.B.L. OUTSIDE SHOULDER	644.03	712.38	712.38	6.44	
		SUBTOTAL	4657.0	4657.0	4657.0	42.0	
		PAY TOTAL	4657.0	4657	4657	42.0	

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER
08/01/2025 4:09:25 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED: 8/1/2025
ROUTE: I-29 | STATE: MO
DISTRICT: NW | SHEET NO.: 3
COUNTY: BUCHANAN
JOB NO.: JNW0051
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)

SUMMARY OF QUANTITIES

SHEET 5 OF 12

RUMBLE STRIPS

STATION	STATION	LOCATION	BITUMINOUS SHOULDER RUMBLE STRIP STA.	REMARKS
I-29 SOUTHBOUND				
604+26.42	608+60.20	SBL MED.	4.34	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	SBL MED.	34.75	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	SBL MED.	28.57	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	SBL MED.	39.55	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	SBL MED.	20.81	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	SBL MED.	53.45	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	872+97.57	SBL MED.	86.93	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	SBL MED.	12.00	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	912+88.07	SBL MED.	27.79	
604+26.42	608+60.20	SBL RT.	4.34	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	SBL RT.	34.75	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	SBL RT.	28.57	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	SBL RT.	39.55	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	SBL RT.	20.81	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	SBL RT.	53.45	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	802+42.40	SBL RT.	16.38	
807+96.27	820+61.91	SBL RT.	12.66	
830+70.23	872+97.57	SBL RT.	42.27	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	SBL RT.	12.00	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	912+88.07	SBL RT.	27.79	
916+07.51	944+53.05	SBL MED.	28.46	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	SBL MED.	47.16	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	SBL MED.	53.80	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	SBL MED.	10.60	
916+07.51	944+53.05	SBL RT.	28.46	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	SBL RT.	47.16	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	SBL RT.	53.80	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	SBL RT.	10.60	
I-29 NORTHBOUND				
603+61.42	608+60.20	NBL MED.	4.99	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	NBL MED.	34.75	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	NBL MED.	28.57	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	NBL MED.	39.55	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	NBL MED.	20.81	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	NBL MED.	53.45	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	872+97.57	NBL MED.	86.93	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	NBL MED.	12.00	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	913+28.49	NBL MED.	28.20	
603+61.42	608+60.20	NBL RT.	4.99	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	NBL RT.	34.75	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	NBL RT.	28.57	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	NBL RT.	39.55	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	NBL RT.	20.81	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	NBL RT.	53.45	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	793+96.65	NBL RT.	7.93	
793+96.65	808+22.00	NBL RT.	14.25	
808+22.00	822+91.57	NBL RT.	14.70	
822+91.57	828+59.63	NBL RT.	5.68	
828+59.63	872+97.57	NBL RT.	44.38	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	NBL RT.	12.00	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	913+28.49	NBL RT.	28.20	
916+47.93	944+53.05	NBL MED.	28.05	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	NBL MED.	47.16	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	NBL MED.	53.80	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	NBL MED.	10.60	
916+47.93	944+53.05	NBL RT.	28.05	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	NBL RT.	47.16	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	NBL RT.	53.80	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	NBL RT.	10.60	
		SUBTOTAL	1778.53	
		PAY TOTAL	1778.5	

PERMANENT AGGREGATE EDGE TREATMENT

STATION	STATION	LOCATION	WIDTH	EDGE DROP OFF	PERMANENT AGGREGATE EDGE TREATMENT	REMARKS
			FT.	IN.	TONS	
I-29 SOUTHBOUND						
603+61.42	608+60.20	SBL MED.	2	2.5	5.39	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	SBL MED.	2	2.5	37.53	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	SBL MED.	2	2.5	30.86	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	SBL MED.	2	2.5	42.72	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	SBL MED.	2	2.5	22.47	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	SBL MED.	2	2.5	57.73	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	872+97.57	SBL MED.	2	2.5	93.90	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	SBL MED.	2	2.5	12.96	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	912+88.07	SBL MED.	2	2.5	30.02	
603+61.42	608+60.20	SBL RT.	2	2.5	5.39	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	SBL RT.	2	2.5	37.53	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	SBL RT.	2	2.5	30.86	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	SBL RT.	2	2.5	42.72	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	SBL RT.	2	2.5	22.47	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	SBL RT.	2	2.5	57.73	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	802+42.40	SBL RT.	2	2.5	17.69	
807+96.27	820+61.91	SBL RT.	2	2.5	13.67	
830+70.23	872+97.57	SBL RT.	2	2.5	45.66	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	SBL RT.	2	2.5	12.96	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	912+88.07	SBL RT.	2	2.5	30.02	
916+07.51	944+53.05	SBL MED.	2	2.5	30.73	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	SBL MED.	2	2.5	50.93	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	SBL MED.	2	2.5	58.11	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	SBL MED.	2	2.5	11.45	
916+07.51	944+53.05	SBL RT.	2	2.5	30.73	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	SBL RT.	2	2.5	50.93	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	SBL RT.	2	2.5	58.11	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	SBL RT.	2	2.5	11.45	
OUTER ROAD, ROUTE DD						
806+53.01	816+08.46	OUTER ROAD	2	2.5	198.17	FROM RTE. DD TO N. END OF PILOT DR. TAPER
I-29 NORTHBOUND						
603+61.42	608+60.20	NBL MED.	2	2.5	5.39	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	NBL MED.	2	2.5	37.53	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	NBL MED.	2	2.5	30.86	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	NBL MED.	2	2.5	42.72	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	NBL MED.	2	2.5	22.47	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	NBL MED.	2	2.5	57.73	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	872+97.57	NBL MED.	2	2.5	93.90	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	NBL MED.	2	2.5	12.96	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	913+28.49	NBL MED.	2	2.5	30.45	
603+61.42	608+60.20	NBL RT.	2	2.5	5.39	EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	NBL RT.	2	2.5	37.53	EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	NBL RT.	2	2.5	30.86	EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	NBL RT.	2	2.5	42.72	EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	NBL RT.	2	2.5	22.47	EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	NBL RT.	2	2.5	57.73	EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	793+96.65	NBL RT.	2	2.5	8.56	
793+96.65	808+22.00	NBL RT.	2	2.5	15.39	
808+22.00	822+91.57	NBL RT.	2	2.5	15.87	
822+91.57	828+59.63	NBL RT.	2	2.5	6.14	
828+59.63	872+97.57	NBL RT.	2	2.5	47.93	EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	NBL RT.	2	2.5	12.96	EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	913+28.49	NBL RT.	2	2.5	30.45	
916+47.93	944+53.05	NBL MED.	2	2.5	30.30	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	NBL MED.	2	2.5	50.93	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	NBL MED.	2	2.5	58.11	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	NBL MED.	2	2.5	11.45	
916+47.93	944+53.05	NBL RT.	2	2.5	30.30	EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	NBL RT.	2	2.5	50.93	EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	NBL RT.	2	2.5	58.11	EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	NBL RT.	2	2.5	11.45	
				SUBTOTAL	2120.48	
				PAY TOTAL	2120.5	

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER
Brian M. Rosenthal
08/01/2025 4:09:54 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED: 8/1/2025
ROUTE: I-29 | STATE: MO
DISTRICT: NW | SHEET NO.: 3
COUNTY: BUCHANAN
JOB NO.: JNW0051
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)

SUMMARY OF QUANTITIES

SHEET 6 OF 12

PAVEMENT MARKING

STATION	STATION	LOCATION	LENGTH	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS) 6" SOLID WHITE L.F.	6" INTER. WHITE L.F.	6" SOLID YELLOW L.F.	12" SOLID WHITE L.F.	4" SOLID YELLOW L.F.	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24" WHITE L.F.	OFF-RAMP WRONG WAY ARROW EACH	REMARKS
I-29 SOUTHBOUND											
599+80.25	600+15.25	SBL LT. & C.L.	35.00		8.8	35.0					
600+15.25	603+26.42	SBL LT. & C.L.	311.17		77.8	311.2					
603+26.42	608+60.20	SBL LT. & C.L.	533.78		133.4	533.8					EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	SBL LT. & C.L.	3474.70		868.7	3474.7					EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	SBL LT. & C.L.	2857.25		714.3	2857.3					EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	SBL LT. & C.L.	3955.29		988.8	3955.3					EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	SBL LT. & C.L.	2080.85		520.2	2080.9					EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	SBL LT. & C.L.	5344.94		1336.2	5344.9					EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	872+97.57	SBL LT. & C.L.	8693.47		2173.4	8693.5					EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	SBL LT. & C.L.	1200.00		300.0	1200.0					EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	913+35.77	SBL LT. & C.L.	2826.87		706.7	2826.9					
913+35.77	915+63.77	SBL LT. & C.L.	228.00		57.0	228.0					
915+63.27	944+53.05	SBL LT. & C.L.	2889.78		722.4	2889.8					EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	SBL LT. & C.L.	4715.50		1178.9	4715.5					EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	SBL LT. & C.L.	5380.35		1345.1	5380.4					EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	SBL LT. & C.L.	1059.88		265.0	1059.9					
599+80.25	600+15.25	SBL RT.	35.00	35.0							
600+15.25	603+26.42	SBL RT.	311.17	311.2							
603+26.42	608+60.20	SBL RT.	533.78	533.8							EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	SBL RT.	3474.70	3474.7							EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	SBL RT.	2857.25	2857.3							EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	SBL RT.	3955.29	3955.3							EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	SBL RT.	2080.85	2080.9							EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	SBL RT.	5344.94	5344.9							EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	802+42.40	SBL RT.	1638.30	1638.3							
802+42.40	806+83.72	SBL DECEL. LANE	441.32	441.8							STA. 806+83.72 I-29 = STA. 4+40.13 RAMP B
802+42.40	806+83.72	SBL RT.	441.32		110.3						3' STRIPE 9' GAP
806+83.72	807+96.27	SBL RT.	112.55				112.6				GORE STRIPING
807+96.27	821+05.70	SBL RT.	1309.43	1309.4							STA. 821+05.70 I-29 = STA. 8+12.17 RAMP D
821+05.70	823+70.17	SBL RT.	264.47				264.5				GORE STRIPING
823+70.17	830+70.23	SBL ACCEL. LANE	700.06	700.1							
823+70.17	830+70.23	SBL RT.	700.06		175.0						3' STRIPE 9' GAP
830+70.23	872+97.57	SBL RT.	4227.34	4227.3							EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	SBL RT.	1200.00	1200.0							EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	913+35.77	SBL RT.	2826.87	2826.9							
913+35.77	915+63.77	SBL RT.	228.00	228.0							
915+63.27	944+53.05	SBL RT.	2889.78	2889.8							EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	SBL RT.	4715.50	4715.5							EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	SBL RT.	5380.35	5380.4							EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	SBL RT.	1059.88	1059.9							
ROUTE DD INTERCHANGE											
4+40.13	6+51.82	RAMP B LT.	211.69				211.7				GORE STRIPING
4+40.13	6+76.86	RAMP B RT.	236.73	236.7							EQ. STA. 6+76.86 BK. = STA. 5+92.59 AH.
5+92.59	917+02.00	RAMP B RT.	91109.41	91109.4							
6+51.82	6+76.86	RAMP B LT.	25.04			25.0					EQ. STA. 6+76.86 BK. = STA. 5+92.59 AH.
5+92.59	9+17.02	RAMP B LT.	324.43			324.4					
7+39.07		RAMP B								1	
8+39.07		RAMP B								1	
9+39.07		RAMP B								1	
9+68.21		RAMP B							57		STOP BAR
0+75.00	8+12.17	RAMP D RT.	737.17	737.2							
0+75.00	8+12.17	RAMP D LT.	737.17			737.2					
8+12.17	9+51.71	RAMP D LT.	139.54				139.5				GORE STRIPING
OUTER ROAD, ROUTE DD											
806+53.01	816+08.46	OUTER ROAD	955.45					1910.9			DOUBLE YELLOW
I-29 NORTHBOUND											
599+80.25	600+15.25	NBL LT. & C.L.	35.00		8.8	35.0					
600+15.25	603+26.42	NBL LT. & C.L.	311.17		77.8	311.2					
603+26.42	608+60.20	NBL LT. & C.L.	533.78		133.4	533.8					EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	NBL LT. & C.L.	3474.70		868.7	3474.7					EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	NBL LT. & C.L.	2857.25		714.3	2857.3					EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	NBL LT. & C.L.	3955.29		988.8	3955.3					EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	NBL LT. & C.L.	2080.85		520.2	2080.9					EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	NBL LT. & C.L.	5344.94		1336.2	5344.9					EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	872+97.57	NBL LT. & C.L.	8693.47		2173.4	8693.5					EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	NBL LT. & C.L.	1200.00		300.0	1200.0					EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	913+72.73	NBL LT. & C.L.	2863.83		716.0	2863.8					
913+72.73	916+00.23	NBL LT. & C.L.	227.50		56.9	227.5					
916+00.23	944+53.05	NBL LT. & C.L.	2852.82		713.2	2852.8					EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
			SUBTOTAL	137293.8	20289.7	81104.4	728.3	1910.9	57.0	3	

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER
Brian M. Rosenthal
08/01/2025 4:10:25 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED
8/1/2025

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	3

COUNTY
BUCHANAN

JOB NO.
JNW0051

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)

SUMMARY OF QUANTITIES

SHEET 7 OF 12

PAVEMENT MARKING CONT'D.

STATION	STATION	LOCATION	LENGTH	CLASS 2 PAVEMENT MARKING PAINT (25-MIL, TYPE L BEADS) 6" SOLID WHITE	6" INTER. WHITE	6" SOLID YELLOW	12" SOLID WHITE	4" SOLID YELLOW	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24" WHITE	OFF-RAMP WRONG WAY ARROW	REMARKS
				L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EACH	
I-29 NORTHBOUND CONT'D.											
944+57.35	991+72.85	NBL LT. & C.L.	4715.50		1178.9	4715.5					EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	NBL LT. & C.L.	5380.35		1345.1	5380.4					EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	NBL LT. & C.L.	1059.88		265.0	1059.9					
599+80.25	600+15.25	NBL RT.	35.00	35.0							
600+15.25	603+26.42	NBL RT.	311.17	311.2							
603+26.42	608+60.20	NBL RT.	533.78	533.8							EQ. STA. 608+60.20 BK. = STA. 608+72.20 AH.
608+72.20	643+46.90	NBL RT.	3474.70	3474.7							EQ. STA. 643+46.90 BK. = STA. 643+49.00 AH.
643+49.00	672+06.25	NBL RT.	2857.25	2857.3							EQ. STA. 672+06.25 BK. = STA. 672+11.18 AH.
672+11.18	711+66.47	NBL RT.	3955.29	3955.3							EQ. STA. 711+66.47 BK. = STA. 711+67.75 AH.
711+67.75	732+48.60	NBL RT.	2080.85	2080.9							EQ. STA. 732+48.60 BK. = STA. 732+50.56 AH.
732+50.56	785+95.50	NBL RT.	5344.94	5344.9							EQ. STA. 785+95.50 BK. = STA. 786+04.10 AH.
786+04.10	793+96.65	NBL RT.	792.55	792.6							
793+96.65	805+19.01	NBL ACCEL. LANE	1122.36	1122.4							STA. 805+19.01 I-29 = STA. 7+95.67 RAMP A
793+96.65	805+19.01	NBL. RT.	1122.36		280.6						3' STRIPE 9' GAP
805+19.01	808+22.00	NBL RT.	302.99				303.0				GORE STRIPING
808+22.00	822+72.33	NBL RT.	1450.33	1450.3							STA. 823+75.96 I-29 = STA. 3+98.35 RAMP C
822+72.33	824+44.01	NBL RT.	171.68				171.7				GORE STRIPING
822+72.33	828+59.63	NBL DECL. LANE	587.30	587.3							
824+44.01	828+59.63	NBL. RT.	415.62		103.9						3' STRIPE 9' GAP
828+59.63	872+97.57	NBL RT.	4437.94	4437.9							EQ. STA. 872+97.57 BK. = STA. 873+00.00 AH.
873+00.00	885+00.00	NBL RT.	1200.00	1200.0							EQ. STA. 885+00.00 BK. = STA. 885+08.90 AH.
885+08.90	913+72.73	NBL RT.	2863.83	2863.8							
913+72.73	916+00.23	NBL RT.	227.50	227.5							
916+00.23	944+53.05	NBL RT.	2852.82	2852.8							EQ. STA. 944+53.05 BK. =STA. 944+57.35 AH.
944+57.35	991+72.85	NBL RT.	4715.50	4715.5							EQ. STA. 991+72.85 BK. = STA. 991+74.20 AH.
991+74.20	1045+54.55	NBL RT.	5380.35	5380.4							EQ. STA. 1045+54.55 BK. = STA. 1045+56.96 AH.
1045+56.96	1056+16.84	NBL RT.	1059.88	1059.9							
ROUTE DD INTERCHANGE											
4+95.28	6+44.96	RAMP A LT.	149.68				149.7				GORE STRIPING
0+75.00	4+95.28	RAMP A LT.	420.28			420.3					
0+75.00	7+95.67	RAMP A RT.	720.67	720.7							
4+14.75	4+75.98	RAMP C LT.	61.23				61.2				EQ. STA. 4+75.98 BK. = STA. 3+91.69 AH.
4+75.98	5+01.70	RAMP C LT.	25.72				25.7				GORE STRIPING
5+01.70	14+03.78	RAMP C LT.	902.08			902.1					
5+01.70	14+03.78	RAMP C RT.	902.08	902.1							
14+51.15		RAMP C							45.0		STOP BAR
14+24.34		RAMP C								1	
13+24.34		RAMP C								1	
12+24.34		RAMP C								1	
			SUBTOTAL	46906.3	3173.5	12478.2	711.3	0.0	45.0	3	
		SUBTOTAL	PREV. TABLE.	137293.8	20289.7	81104.4	728.3	1910.9	57.0	3	
			PAY TOTAL	207663		93583	1440	1911	102	6	

CONCRETE PAVEMENT

STATION	STATION	LOCATION	BRIDGE APPROACH SLAB S.Y.	MECHANICAL BAR SPLICE (ESTIMATED) EACH	CONCRETE APPROACH PAVEMENT S.Y.	REMARKS
I-29 SOUTHBOUND						
599+80.25	599+95.25	I-29			63.33	A0082 NORTH APPROACH
599+95.25	600+15.25	I-29	84.44	46		A0082 NORTH APPROACH
912+88.07	913+03.07	I-29			109.66	A0084 NORTH APPROACH
913+03.07	913+23.07	I-29	84.44	46		A0084 NORTH APPROACH
915+50.57	915+70.57	I-29	84.44	46		A0084 SOUTH APPROACH
915+50.57	916+07.51	I-29			109.64	A0084 SOUTH APPROACH
I-29 NORTHBOUND						
599+80.25	599+95.25	I-29			63.33	A0082 NORTH APPROACH
599+95.25	600+15.25	I-29	84.44	46		A0082 NORTH APPROACH
603+26.42	603+46.42	I-29	84.44	46		A0082 SOUTH APPROACH
603+46.42	603+61.42	I-29			63.33	A0082 SOUTH APPROACH
913+28.49	913+65.43	I-29			109.64	A0084 NORTH APPROACH
913+65.43	913+85.43	I-29	84.44	46		A0084 NORTH APPROACH
916+12.93	916+32.93	I-29	84.44	46		A0084 SOUTH APPROACH
916+32.93	916+47.93	I-29			109.66	A0084 SOUTH APPROACH
		SUBTOTAL	591.08	322	628.59	
		PAY TOTAL	591.1	322	628.6	

RAMP SHOULDER RECONSTRUCTION

STATION	STATION	LOCATION	LENGTH	SHOULDER GRADING	CONCRETE PAVEMENT (10 IN. NON-REINFORCED 15 FT. JOINTS)	6" TYPE 5 AGGREGATE BASE	REMARKS
				STA.	S.Y.	S.Y.	
0+78.25	6+72.56	RAMP A	594.31	5.94	395.9	395.9	PAVEMENT
0+78.25	6+72.56	RAMP A	594.31			263.6	AGGREGATE SHOULDER
5+84.44	8+44.51	RAMP B	343.33	3.43	229.5	229.5	PAVEMENT
5+84.44	8+44.51	RAMP B	343.33			152.9	AGGREGATE SHOULDER
			SUBTOTALS	9.37	625.4	1041.9	
			PAY TOTALS	9.4	625	1042	

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER
08/01/2025 4:10:56 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED: 8/1/2025

ROUTE	STATE
I-29	MO

DISTRICT	SHEET NO.
NW	3

COUNTY: BUCHANAN

JOB NO.: JNW0051

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)

SUMMARY OF QUANTITIES

SHEET 8 OF 12

REMOVE AND RESET GUARDRAIL

STATION	STATION	LOCATION	LENGTH	GUARDRAIL, RELOCATED AND MODIFIED	REMOVAL OF IMPROVEMENTS	SHAPING SLOPES, CLASS III	MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB)	REMARKS
					GUARDRAIL			
				LF	LF	100 FT.	EACH	
SHOULDER RECONSTRUCTION								
593+77.00	600+15.25	SBL RT.	638.25	638.3	--	--	--	PIGEON CREEK
605+95.98	603+26.42	NBL RT.	269.56	269.6	--	--	--	PIGEON CREEK
906+84.82	913+28.85	SBL RT.	644.03	644.0	--	--	--	BEE CREEK
918+74.50	916+07.15	NBL RT.	267.35	267.4	--	--	--	BEE CREEK
913+85.43	908+11.45	NBL RT.	573.98	574.0	--	--	--	BEE CREEK
STAGE 1								
596+69.22	597+27.30	SBL LT.	58.08	58.1	--	--	--	PIGEON CREEK
599+80.25	600+15.25	SBL LT.	35.00	35.0	--	--	--	PIGEON CREEK
606+95.40	606+14.39	NBL LT.	81.01	81.0	--	--	--	PIGEON CREEK
603+61.42	603+26.42	NBL LT.	35.00	35.0	--	--	--	PIGEON CREEK
600+16.08	599+81.08	NBL LT.	35.00	35.0	--	--	--	PIGEON CREEK
909+62.09	910+45.63	SBL LT.	83.54	83.5	--	--	--	BEE CREEK
912+88.07	913+45.01	SBL LT.	56.94	56.9	--	--	--	BEE CREEK
915+72.51	916+07.51	SBL LT.	35.00	35.0	--	--	--	BEE CREEK
919+50.09	918+90.37	NBL LT.	59.72	59.7	--	--	--	BEE CREEK
916+47.93	915+90.99	NBL LT.	56.94	56.9	--	--	--	BEE CREEK
913+63.49	913+28.49	NBL LT.	35.00	35.0	--	--	--	BEE CREEK
STAGE 2								
596+69.81	597+69.81	SBL RT.	100.00	100.0	--	--	--	PIGEON CREEK
599+80.25	600+15.25	SBL RT.	35.00	35.0	--	--	--	PIGEON CREEK
603+65.82	603+26.42	NBL RT.	39.40	--	39.4	0.4	1	PIGEON CREEK
909+77.20	910+77.20	SBL RT.	100.00	100.0	--	--	--	BEE CREEK
912+88.07	913+23.07	SBL RT.	35.00	35.0	--	--	--	BEE CREEK
916+52.33	916+12.93	NBL RT.	39.40	--	39.4	0.4	1	BEE CREEK
913+85.43	913+28.49	NBL RT.	56.94	56.9	--	--	--	BEE CREEK
		SUBTOTALS		3291.3	78.8	0.8	2	
		PAY TOTALS		3291	*	1	2	

* SEE SUMMARY OF QUANTITIES SHEET 1 OF 12

TEMPORARY EROSION CONTROL

STATION	STATION	LOCATION	SEDIMENT TRAP ROCK	ROCK DITCH CHECK	SILT FENCE	SEDIMENT REMOVAL	REMARKS
			CY	LF	LF	CY	
621+45.51	--	℄	2.87	--	--	1.0	20' N. OF GRADING LIMITS AT PIGEON HILL RD. OVERPASS
623+29.85	--	℄	--	44.8	--	1.0	AT EXISTING DROP INLET AT PIGEON HILL RD. OVERPASS
623+30.63	--	9.97' RT.	--	44.8	--	1.0	AT PROPOSED DROP INLET AT PIGEON HILL RD. OVERPASS
696+18.33	--	9.97' RT.	--	44.8	--	1.0	AT PROPOSED DROP INLET AT ROUTE H OVERPASS
697+63.25	--	1.08' LT.	--	44.8	--	1.0	AT EXISTING DROP INLET AT ROUTE H OVERPASS
697+80.89	--	℄	2.87	--	--	1.0	20' S. OF GRADING LIMITS AT ROUTE H OVERPASS
0+38.98	7+29.27	C RAMP A RT.	--	--	690.0	69.0	AT RAMP A SHOULDER REPLACEMENT
5+31.51	8+67.52	C RAMP B RT.	--	--	425.0	42.5	AT RAMB B SHOULDER REPLACEMENT
812+79.97	--	9.97' RT.	--	44.8	--	1.0	AT PROPOSED DROP INLET AT ROUTE DD OVERPASS
814+56.58	--	℄	2.87	--	--	1.0	20' S. OF GRADING LIMITS AT ROUTE D OVERPASS
970+62.25	--	℄	2.87	--	--	1.0	20' N. OF GRADING LIMITS AT ROUTE 116 OVERPASS
972+51.86	--	9.97' LT.	--	44.8	--	1.0	AT PROPOSED DROP INLET AT ROUTE 116 OVERPASS
		SUBTOTALS	11.48	268.8	1115.0	121.5	
		PAY TOTALS	11.5	269	1115	122	

GUARDRAIL AND GUARD CABLE

STATION	STATION	LOCATION	ESTIMATED CUT AND FILL COMBINED	LINEAR GRADING CLASS 2	MGS GUARDRAIL	MGS GUARDRAIL, 6 FT. POSTS, 3 FT. - 1.5 IN. SPACING	MGS GUARDRAIL, 6 FT. POSTS, 1 FT. - 6.75 IN. SPACING	TYPE B CRASHWORTHY END TERMINAL (MASH)	MEDIAN GUARD CABLE 3 - STRAND	ANCHOR ASSEMBLY, GUARD CABLE 3-STRAND	REMARKS
			CY	STA.	LF	LF	LF	EACH	LF	EACH	
621+34.68	621+63.51	℄ EXISTING MEDIAN ROUTE I-29 RT.	--	--	--	--	--	--	--	1	SPLICE TO EXISTING
621+65.51	624+32.54	℄ EXISTING MEDIAN ROUTE I-29	103.29	2.67	325.0	--	--	2	--	--	2.5' SPACING FROM BACK OF POST TO BRIDGE PIER
624+34.50	624+63.33	℄ EXISTING MEDIAN ROUTE I-29 LT.	--	--	--	--	--	--	--	1	SPLICE TO EXISTING
694+63.63	694+92.46	℄ EXISTING MEDIAN ROUTE I-29 RT.	--	--	--	--	--	--	--	1	SPLICE TO EXISTING
694+94.42	697+60.89	℄ EXISTING MEDIAN ROUTE I-29	105.27	2.66	325.0	--	--	2	--	--	2.5' SPACING FROM BACK OF POST TO BRIDGE PIER
697+63.45	697+92.28	℄ EXISTING MEDIAN ROUTE I-29 LT.	--	--	--	--	--	--	--	1	SPLICE TO EXISTING
811+38.80	811+67.63	℄ EXISTING MEDIAN ROUTE I-29 RT.	--	--	--	--	--	--	--	1	SPLICE TO EXISTING
811+70.07	814+36.58	℄ EXISTING MEDIAN ROUTE I-29	121.65	2.67	325.0	--	--	2	--	--	2.5' SPACING FROM BACK OF POST TO BRIDGE PIER
814+38.62	814+67.45	℄ EXISTING MEDIAN ROUTE I-29 LT.	--	--	--	--	--	--	--	1	SPLICE TO EXISTING
970+50.98	970+79.81	℄ EXISTING MEDIAN ROUTE I-29 RT.	--	--	--	--	--	--	--	1	SPLICE TO EXISTING
970+82.25	972+98.77	℄ EXISTING MEDIAN ROUTE I-29	61.61	2.17	50.0	100.0	75.0	2	--	--	1.5' SPACING FROM BACK OF POST TO BRIDGE PIER
973+00.69	973+48.52	℄ EXISTING MEDIAN ROUTE I-29 LT.	--	--	--	--	--	--	19.0	1	SPLICE TO EXISTING
			SUBTOTALS	10.17	1025.0	100.0	75.0	8	19.0	8	
			PAY TOTALS	10.2	1025	100	75	8	19	8	

DRAINAGE STRUCTURES

STATION	LOCATION	STATION	LOCATION	CLASS 3 EXCAVATION	MANHOLE FRAME AND COVER, TYPE 2	18 IN. PIPE GROUP C	PRECAST CONCRETE MANHOLE - 48 IN.	18 IN. OR ALLOWED SUBSTITUTE SAFETY SLOPE END SECTION	REMARKS
				CY	EACH	LF	LF	EACH	
623+30.04	2.00' RT.	624+32.22	℄	43.4	1	99.0	5.3	1	PIGEON HILL RD. OVERPASS
694+94.74	℄	696+18.33	9.97' RT.	46.9	1	115.0	4.4	1	ROUTE H OVERPASS
811+70.39	℄	812+79.97	9.97' RT.	40.7	1	101.0	3.6	1	ROUTE DD OVERPASS
972+51.86	9.97' LT.	972+98.45	℄	20.1	1	38.0	3.8	1	ROUTE 116 OVERPASS
			SUBTOTALS	151.1	4	353.0	17.1	4	
			PAY TOTALS	151	4	353	17	4	

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER
Brian M. Rosenthal
08/01/2025 4:11:24 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED
8/1/2025

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	3

COUNTY
BUCHANAN

JOB NO.
JNW0051

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)

SUMMARY OF QUANTITIES

SHEET 9 OF 12

SEEDING AND MULCHING

STATION	STATION	LOCATION	SEEDING - COOL SEASON GRASSES	MULCHING	REMARKS
			ACRE	ACRE	
593+77.00	600+15.25	℄ EXISTING MEDIAN ROUTE I-29 RT.	0.15	0.15	AT SHOULDER REPLACEMENT AT PIGEON CREEK BRIDGES
595+24.94	600+15.25	℄ EXISTING MEDIAN ROUTE I-29 LT.	0.11	0.11	AT SHOULDER REPLACEMENT AT PIGEON CREEK BRIDGES
603+26.42	609+76.71	℄ EXISTING MEDIAN ROUTE I-29 LT.	0.15	0.15	AT SHOULDER REPLACEMENT AT PIGEON CREEK BRIDGES
906+84.81	913+28.84	℄ EXISTING MEDIAN ROUTE I-29 RT.	0.15	0.15	AT SHOULDER REPLACEMENT AT BEE CREEK BRIDGES
908+11.46	913+85.44	℄ EXISTING MEDIAN ROUTE I-29 LT.	0.13	0.13	AT SHOULDER REPLACEMENT AT BEE CREEK BRIDGES
915+50.56	921+24.54	℄ EXISTING MEDIAN ROUTE I-29 RT.	0.13	0.13	AT SHOULDER REPLACEMENT AT BEE CREEK BRIDGES
916+07.15	922+51.18	℄ EXISTING MEDIAN ROUTE I-29 LT.	0.15	0.15	AT SHOULDER REPLACEMENT AT BEE CREEK BRIDGES
0+38.98	7+34.89	℄ EXISTING RAMP A RT.	0.17	0.17	AT RAMP A SHOULDER REPLACEMENT
5+17.08	8+64.52	℄ EXISTING RAMP B RT.	0.10	0.10	AT RAMP B SHOULDER REPLACEMENT
621+65.51	624+32.54	℄ EXISTING MEDIAN ROUTE I-29	0.19	0.19	MEDIAN AT PIGEON HILL RD. OVERPASS
695+94.42	697+60.89	℄ EXISTING MEDIAN ROUTE I-29	0.19	0.19	MEDIAN AT ROUTE H OVERPASS
811+70.07	814+36.58	℄ EXISTING MEDIAN ROUTE I-29	0.19	0.19	MEDIAN AT ROUTE DD OVERPASS
970+82.25	972+98.77	℄ EXISTING MEDIAN ROUTE I-29	0.15	0.15	MEDIAN AT ROUTE 116 OVERPASS
		SUBTOTALS	1.96	1.96	
		PAY TOTALS	2.0	2.0	

DELINEATORS

STATION	LOCATION	7 FT. CHANNEL POST DELINEATOR, DOUBLE STACKED WHITE	7 FT. CHANNEL POST DELINEATOR, DOUBLE STACKED YELLOW	7 FT. CHANNEL POST DELINEATOR, WHITE	7 FT. CHANNEL POST DELINEATOR, YELLOW	7 FT. CHANNEL POST DELINEATOR, WHITE/RED	7 FT. CHANNEL POST DELINEATOR, YELLOW/RED	REMARKS
		EACH	EACH	EACH	EACH	EACH	EACH	
685+95.38	RTE. I-29 NBL LT.	--	1	--	--	--	--	AT MAINTENANCE AND EMERGENCY CROSSOVER
686+40.59	RTE. I-29 SBL LT.	--	1	--	--	--	--	AT MAINTENANCE AND EMERGENCY CROSSOVER
772+80.81	RTE. I-29 NBL LT.	--	1	--	--	--	--	AT MAINTENANCE AND EMERGENCY CROSSOVER
773+18.92	RTE. I-29 SBL LT.	--	1	--	--	--	--	AT MAINTENANCE AND EMERGENCY CROSSOVER
791+96.64	RTE. I-29 NBL RT.	--	--	1	--	--	--	--
793+96.13	RTE. I-29 NBL RT.	1	--	--	--	--	--	--
794+69.97	RTE. I-29 NBL RT.	1	--	--	--	--	--	--
795+44.64	RTE. I-29 NBL RT.	1	--	--	--	--	--	--
796+44.64	RTE. I-29 NBL RT.	1	--	--	--	--	--	--
797+44.64	RTE. I-29 NBL RT.	1	--	--	--	--	--	--
798+44.64	RTE. I-29 NBL RT.	1	--	--	--	--	--	--
799+44.64	RTE. I-29 NBL RT.	1	--	--	--	--	--	--
800+42.44	RTE. I-29 SBL RT.	--	--	1	--	--	--	--
800+44.64	RTE. I-29 NBL RT.	1	--	--	--	--	--	--
801+44.64	RTE. I-29 NBL RT.	1	--	--	--	--	--	--
802+44.64	RTE. I-29 NBL RT.	1	--	--	--	--	--	--
803+44.64	RTE. I-29 NBL RT.	1	--	--	--	--	--	--
804+44.64	RTE. I-29 NBL RT.	1	--	--	--	--	--	--
830+59.69	RTE. I-29 NBL RT.	--	--	1	--	--	--	--
832+70.17	RTE. I-29 SBL RT.	--	--	1	--	--	--	--
854+70.69	RTE. I-29 NBL LT.	--	1	--	--	--	--	AT MAINTENANCE AND EMERGENCY CROSSOVER
855+11.39	RTE. I-29 SBL LT.	--	1	--	--	--	--	AT MAINTENANCE AND EMERGENCY CROSSOVER
985+93.99	RTE. I-29 NBL LT.	--	1	--	--	--	--	AT MAINTENANCE AND EMERGENCY CROSSOVER
986+33.82	RTE. I-29 SBL LT.	--	1	--	--	--	--	AT MAINTENANCE AND EMERGENCY CROSSOVER
1049+56.82	RTE. I-29 NBL LT.	--	1	--	--	--	--	AT MAINTENANCE AND EMERGENCY CROSSOVER
1050+07.23	RTE. I-29 SBL LT.	--	1	--	--	--	--	AT MAINTENANCE AND EMERGENCY CROSSOVER
	SUBTOTALS	12	10	4	--	--	--	

STATE OF MISSOURI
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JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SUMMARY OF QUANTITIES

SHEET 10 OF 12

DELINEATORS CONT'D

STATION	LOCATION	7 FT. CHANNEL POST DELINEATOR, DOUBLE STACKED WHITE	7 FT. CHANNEL POST DELINEATOR, DOUBLE STACKED YELLOW	7 FT. CHANNEL POST DELINEATOR, WHITE	7 FT. CHANNEL POST DELINEATOR, YELLOW	7 FT. CHANNEL POST DELINEATOR, WHITE/RED	7 FT. CHANNEL POST DELINEATOR, YELLOW/RED	REMARKS
		EACH	EACH	EACH	EACH	EACH	EACH	
7+70.35	RAMP 1 RT.	--	--	1	--	--	--	--
6+70.91	RAMP 1 RT.	--	--	1	--	--	--	--
5+71.76	RAMP 1 RT.	--	--	1	--	--	--	--
4+94.72	RAMP 1 LT.	--	--	--	1	--	--	--
4+72.12	RAMP 1 RT.	--	--	1	--	--	--	--
3+72.44	RAMP 1 LT.	--	--	--	1	--	--	--
3+72.44	RAMP 1 RT.	--	--	1	--	--	--	--
2+72.48	RAMP 1 RT.	--	--	1	--	--	--	--
2+72.39	RAMP 1 LT.	--	--	--	1	--	--	--
1+72.46	RAMP 1 RT.	--	--	1	--	--	--	--
1+72.39	RAMP 1 LT.	--	--	--	1	--	--	--
0+72.43	RAMP 1 RT.	--	--	1	--	--	--	--
0+00.00	RAMP 2 RT.	1	--	--	--	--	--	--
2+92.08	RAMP 2 RT.	--	--	--	--	1	--	--
3+92.17	RAMP 2 RT.	--	--	--	--	1	--	--
5+08.85	RAMP 2 RT.	--	--	--	--	1	--	--
5+52.19	RAMP 2 LT.	--	--	--	--	--	1	--
6+08.91	RAMP 2 RT.	--	--	--	--	1	--	--
6+09.47	RAMP 2 LT.	--	--	--	--	--	1	--
6+24.70	RAMP 2 RT.	--	--	--	--	1	--	--
6+24.70	RAMP 2 LT.	--	--	--	--	--	1	--
7+24.70	RAMP 2 RT.	--	--	--	--	1	--	--
7+24.70	RAMP 2 LT.	--	--	--	--	--	1	--
8+24.70	RAMP 2 RT.	--	--	--	--	1	--	--
0+00.18	RAMP 3 RT.	1	--	--	--	--	--	--
0+97.58	RAMP 3 RT.	1	--	--	--	--	--	--
1+97.58	RAMP 3 RT.	1	--	--	--	--	--	--
2+97.58	RAMP 3 RT.	1	--	--	--	--	--	--
3+97.43	RAMP 3 RT.	--	--	--	--	1	--	--
4+12.69	RAMP 3 RT.	--	--	--	--	1	--	--
5+12.69	RAMP 3 RT.	--	--	--	--	1	--	--
5+12.69	RAMP 3 LT.	--	--	--	--	--	1	--
6+12.69	RAMP 3 RT.	--	--	--	--	1	--	--
6+12.69	RAMP 3 LT.	--	--	--	--	--	1	--
7+12.69	RAMP 3 RT.	--	--	--	--	1	--	--
7+12.69	RAMP 3 LT.	--	--	--	--	--	1	--
8+12.69	RAMP 3 RT.	--	--	--	--	1	--	--
8+12.69	RAMP 3 LT.	--	--	--	--	--	1	--
9+12.69	RAMP 3 RT.	--	--	--	--	1	--	--
10+12.69	RAMP 3 RT.	--	--	--	--	1	--	--
11+12.69	RAMP 3 RT.	--	--	--	--	1	--	--
12+12.69	RAMP 3 RT.	--	--	--	--	1	--	--
13+12.69	RAMP 3 RT.	--	--	--	--	1	--	--
14+12.69	RAMP 3 RT.	--	--	--	--	1	--	--
4+73.49	RAMP 4 LT.	--	--	--	1	--	--	--
5+73.49	RAMP 4 LT.	--	--	--	1	--	--	--
6+73.49	RAMP 4 LT.	--	--	--	1	--	--	--
6+73.49	RAMP 4 RT.	--	--	1	--	--	--	--
7+67.97	RAMP 4 LT.	--	--	--	1	--	--	--
7+73.49	RAMP 4 RT.	--	--	1	--	--	--	--
8+73.49	RAMP 4 RT.	--	--	1	--	--	--	--
9+74.67	RAMP 4 RT.	--	--	1	--	--	--	--
10+74.82	RAMP 4 RT.	--	--	1	--	--	--	--
	SUBTOTALS	5	--	13	8	19	8	
SUBTOTALS PREV. TABLE		12	10	4	--	--	--	
	PAY TOTALS	17	10	17	8	19	8	

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 4:12:22 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED
8/1/2025

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	3

COUNTY
BUCHANAN

JOB NO.
JNW0051

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)

SUMMARY OF QUANTITIES

SHEET 11 OF 12

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL AREA SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	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	8	128.00			15L	REVERSE CURVE (SYMBOL LEFT)
WO1-4R	48X48	16.00	8	128.00			15R	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	1	16.00			40	YIELD AHEAD (SYMBOL)
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)
WO3-4	48X48	16.00						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	1	16.00			58	MERGE (SYMBOL FROM RIGHT)
WO4-1aL	48X48	16.00						MERGE (LEFT)
WO4-1aR	48X48	16.00						MERGE (RIGHT)
WO5-1	48X48	16.00	6	96.00			43	ROAD/BRIDGE/RAMP NARROWS
WO5-3	48X48	16.00						ONE LANE BRIDGE
WO5-5	48X48	16.00	4	64.00			34	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	4	20.00			44A	NEXT XX MILES (PLAQUE)
WO8-1	48X48	16.00	4	64.00			50	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	16	256.00			36	UNEVEN LANES
WO8-12	48X48	16.00						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 MILES AHEAD
WO13-1	30X30	6.25						ADVISORY SPEED (PLAQUE)
WO16-2	30X24	5.00						XXX FEET (PLAQUE)
WO16-3	30X24	5.00						X MILE (PLAQUE)
WO20-1	48X48	16.00	14	224.00			2	ROAD/BRIDGE/RAMP WORK AHEAD
WO20-2	48X48	16.00						DETOUR AHEAD
WO20-3	48X48	16.00						ROAD CLOSED AHEAD
WO20-4	48X48	16.00	4	64.00			7	ONE LANE ROAD AHEAD
WO20-5	48X48	16.00	12	192.00			5	RIGHT/CENTER/LEFT LANE CLOSED AHEAD
WO20-5a	48X48	16.00						2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
WO20-6a	48X48	16.00						RIGHT/CENTER/LEFT LANE CLOSED
WO20-7a	48X48	16.00	4	64.00			8	FLAGGER (SYMBOL)
WO21-2	36X36	9.00						FRESH OIL
WO21-5	48X48	16.00	2	32.00			21	SHOULDER WORK / SHOULDER WORK AHEAD
WO22-1	48X48	16.00						BLASTING ZONE AHEAD
WO22-2	42X36	10.50						TURN OFF 2-WAY RADIO AND PHONE
WO22-3	42X36	10.50						END BLASTING ZONE
GO22-1	21X15	2.19	6	13.14			59	WET PAINT (ARROW PIVOTS)

SIGN	SIZE IN.	AREA SQ.FT.	QTY EACH	TOTAL SQ.FT.	QTY RELOC EACH	TOTAL RELOC SQ.FT.	SIGN NO.	DESCRIPTION
GUIDE SIGNS								
E05-1	36X48	12.00	1	12.00			49	GORE EXIT
E05-2	48X36	12.00						EXIT OPEN
E05-2a	48X36	12.00						EXIT CLOSED
GO20-1	60X24	10.00	4	40.00			1	ROAD WORK NEXT XX MILES
GO20-2	48X24	8.00	4	32.00			26	END ROAD WORK
GO20-4	36X18	4.50						PILOT CAR FOLLOW ME
GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW
GO20-4a	18X12	1.50						PILOT CAR IN USE WAIT & FOLLOW
GO20-5aP	36X24	6.00	12	72.00			54	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	1	6.93			13	YIELD
R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)
R1-3P	30X12	2.50						ALL WAY (PLAQUE)
R2-1	36X48	12.00	16	192.00			4, 25	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	6	72.00			46	DO NOT PASS
R4-2	36X48	12.00	6	72.00			46A	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	4	80.00			53	FINE SIGN
CONST-3X	56X12	4.67	4	18.68			53A	SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS								
CONST-5	48X36	12.00						POINT OF PRESENCE
CONST-5	96X48	32.00	2	64.00			57	POINT OF PRESENCE
CONST-8	48X36	12.00	6	72.00			60	WORK ZONE NO PHONE ZONE
W04-2L	48X48	16.00	12	192.00			6L	LEFT LANE MERGES
W04-2R	48X48	16.00	12	192.00			6R	RIGHT LANE MERGES
SPECIAL	48X48	16.00	8	128.00			67	RUMBLE STRIPS AHEAD

616-10.05 CONSTRUCTION SIGNS	TOTAL 2623	
616-10.10 RELOCATED SIGNS		TOTAL

EFFECTIVE: 07-01-2025

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	4	IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
6122020	6	REPLACEMENT SAND BARREL
6122030	4	IMPACT ATTENUATOR (RELOCATION)
6122040		WORK ZONE CRASH CUSHION (NARROW)
6122041		WORK ZONE CRASH CUSHION (RELOCATION)
6123001		TRUCK MOUNTED ATTENUATOR (TMA)
6161012		BUOYS (BOATS KEEP OUT)
6161013		BUOYS (NO WAKE)
6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
6161020		CHANNELIZER (DRUM-LIKE)
6161022		CHANNELIZER (CONE)
6161025	225	CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161030		TYPE 3 MOVEABLE BARRICADE
6161033	30	DIRECTION INDICATOR BARRICADE
6161040	4	FLASHING ARROW PANEL
6161047		TYPE 3 OBJECT MARKER
6161055	30	SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A	2	CHANGEABLE MESSAGE SIGN WITHOUT COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN WITH COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6162002	16	TEMPORARY LONG-TERM RUMBLE STRIPS
6173600D	2291	TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED
6173700B		TEMP. TRAFFIC BARRIER ANCHORED, CONTRACTOR FURNISHED/RETAINED
6173706		TEMP. TRAFFIC BARRIER STIFFNESS TRANSITION CONTRACTOR FURNISHED/RETAINED
6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION, CONTRACTOR FURNISHED/RETAINED
6175010A	2291	RELOCATING TEMPORARY TRAFFIC BARRIER
6175011B		RELOCATING TEMP. TRAFFIC BARRIER ANCHORED
6175013		RELOCATING TEMP. TRAFFIC BARRIER STIFFNESS
6175020A		RELOCATING TEMP. TRAFFIC BARRIER HEIGHT
6208064A		TEMPORARY RAISED PAVEMENT MARKER
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING

NOTES: FOR ALL FLAGGING OPERATIONS DETAILS, SEE STANDARD PLAN 616.20.

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER
Brian M. Rosenthal
08/04/2025 11:12:13 AM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED 8/4/2025

ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	3

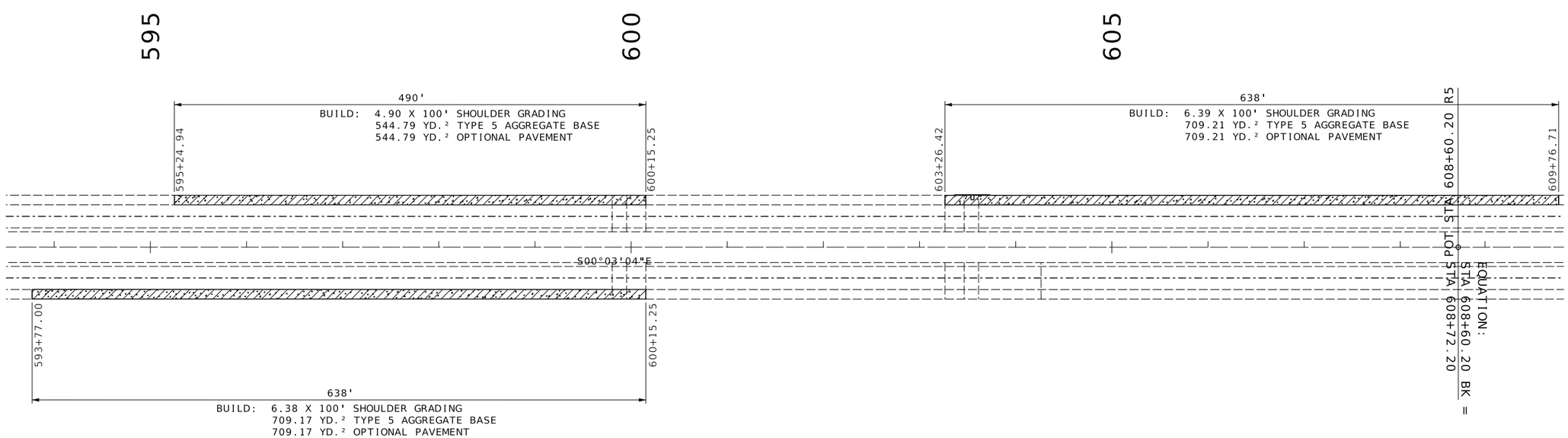
COUNTY: BUCHANAN
JOB NO.: JNW0051
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DESCRIPTION
DATE

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

SUMMARY OF QUANTITIES

SHEET 12 OF 12



NOTE: REMOVE OUTSIDE 10' WIDTH OF EXISTING SHOULDER.
REMOVE OUTSIDE 10' WIDTH OF EXISTING BRIDGE APPROACH PAVEMENT.
REMOVE OUTSIDE 10' WIDTH OF EXISTING BRIDGE APPROACH SLAB.

CONSTRUCT SHOULDER REPLACEMENT PRIOR TO SHIFTING TRAFFIC ONTO THE SHOULDER

SCALE

0 60 120 180

OUTSIDE SHOULDER REPLACEMENT AT BRIDGES A0082 OVER PIGEON CREEK

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:11:38 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	
8/1/2025	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	4
COUNTY	
BUCHANAN	
JOB NO.	
JNW0051	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

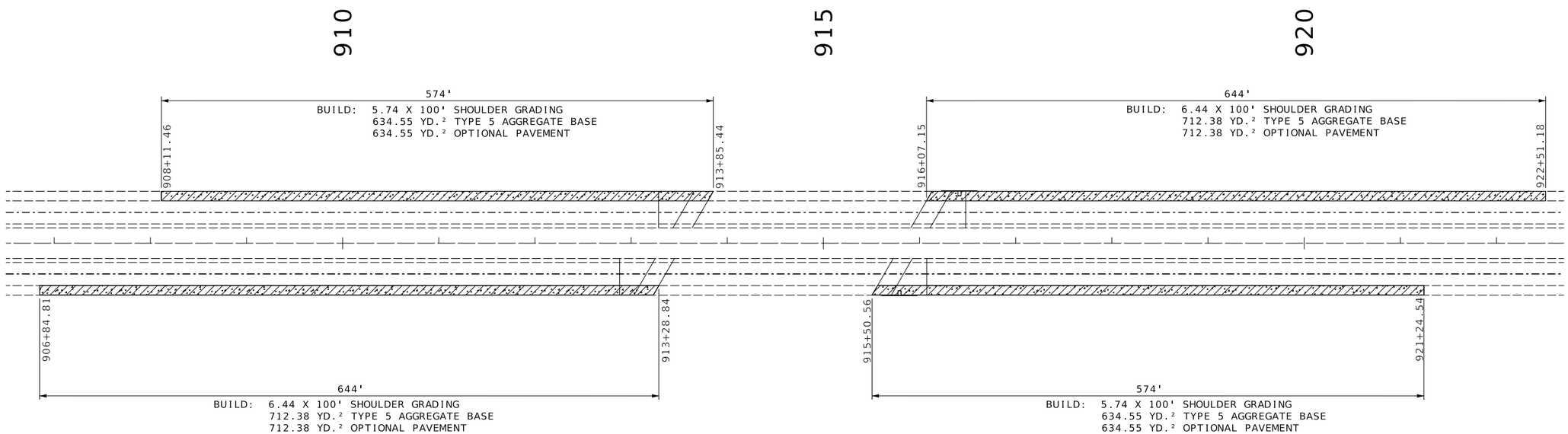
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET

SHEET 1 OF 9



NOTE: REMOVE OUTSIDE 10' WIDTH OF EXISTING SHOULDER.
REMOVE OUTSIDE 10' WIDTH OF EXISTING BRIDGE APPROACH PAVEMENT.
REMOVE OUTSIDE 10' WIDTH OF EXISTING BRIDGE APPROACH SLAB.

CONSTRUCT SHOULDER REPLACEMENT PRIOR TO SHIFTING TRAFFIC ONTO THE SHOULDER

SCALE

0 60 120 180

OUTSIDE SHOULDER REPLACEMENT AT BRIDGES A0084 OVER BEE CREEK

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:12:21 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

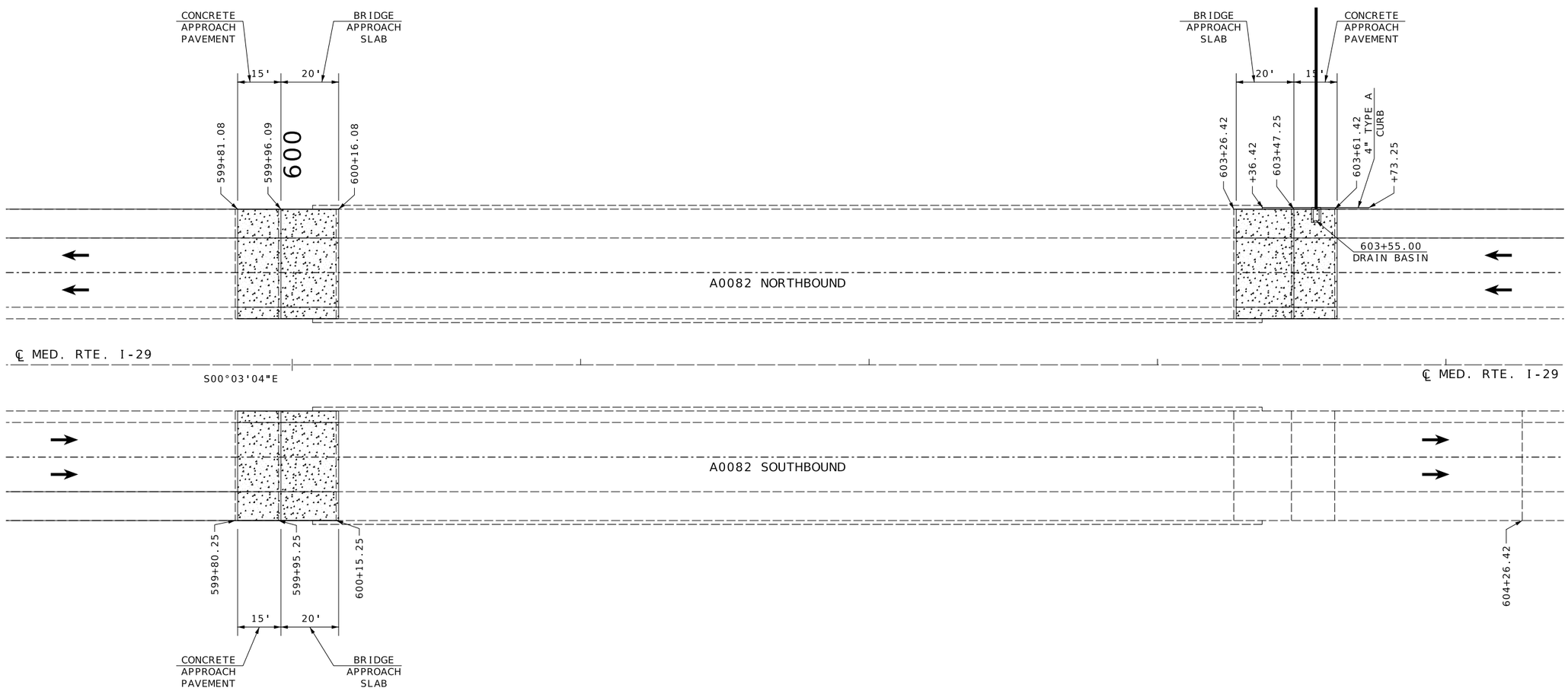
DATE PREPARED	
8/1/2025	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	5
COUNTY	
BUCHANAN	
JOB NO.	
JNW0051	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

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

SPECIAL SHEET

SHEET 2 OF 9



PAVEMENT GEOMETRICS AT BRIDGES A0082 OVER PIGEON CREEK

SCALE

0 20 40 60

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:13:00 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	7/28/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	6
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

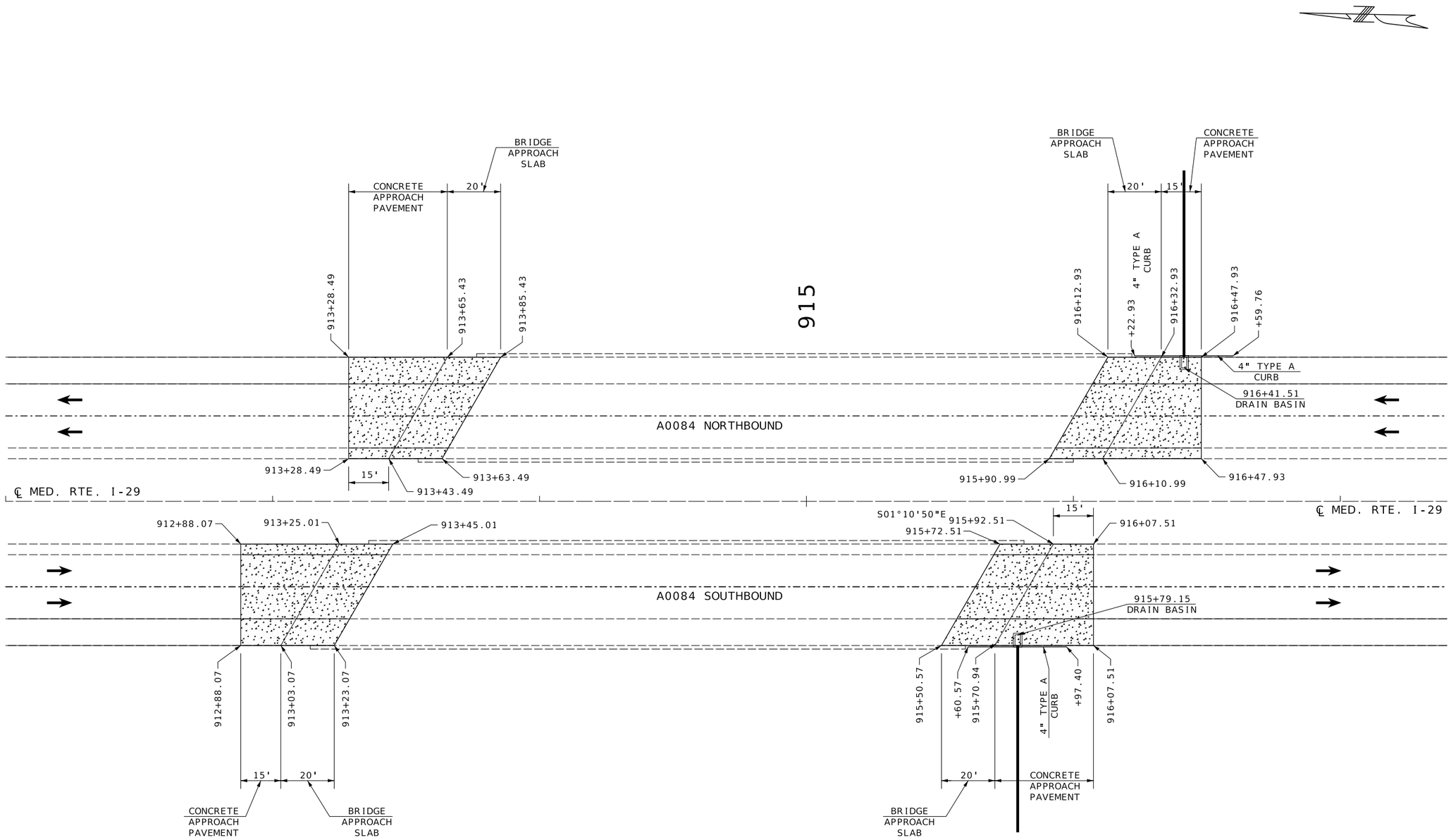
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET

SHEET 3 OF 9



PAVEMENT GEOMETRICS AT BRIDGES A0084 OVER BEE CREEK

SCALE

0 20 40 60

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:13:27 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	7/11/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	7
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

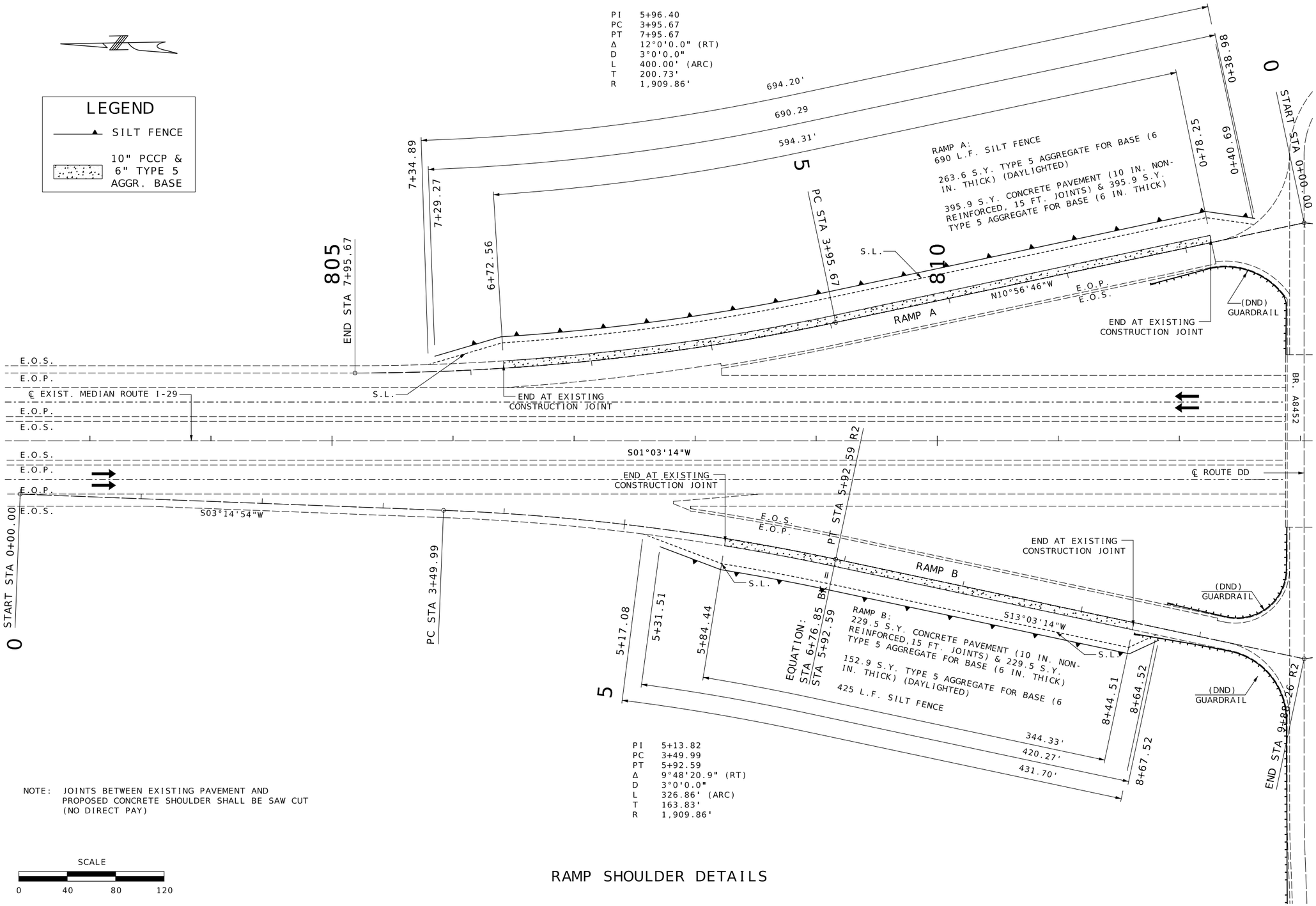
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

SPECIAL SHEET

SHEET 4 OF 9



NOTE: JOINTS BETWEEN EXISTING PAVEMENT AND PROPOSED CONCRETE SHOULDER SHALL BE SAW CUT (NO DIRECT PAY)

RAMP SHOULDER DETAILS

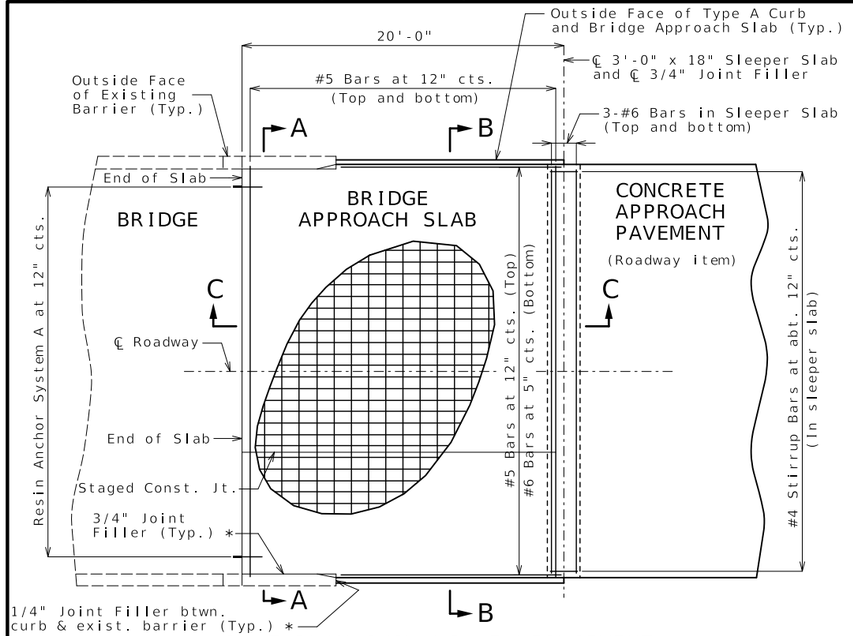
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER
Brian M Rosenthal
08/01/2025 3:13:56 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	
7/29/2025	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	8
COUNTY	
BUCHANAN	
JOB NO.	
JNW0051	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

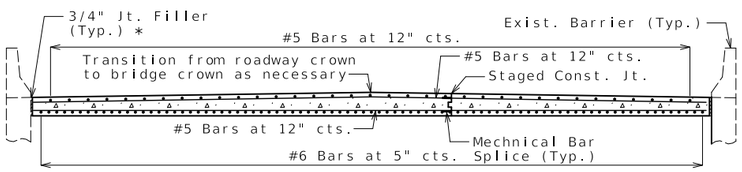
DATE	DESCRIPTION

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

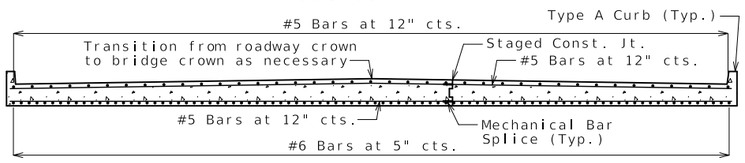
SPECIAL SHEET
SHEET 5 OF 9



PART PLAN SHOWING REINFORCEMENT

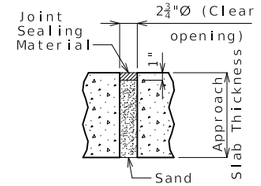


SECTION A-A



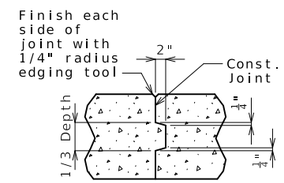
SECTION B-B

With the approval of the engineer, the contractor may crown the bottom of the approach slab to match the crown of the roadway surface.

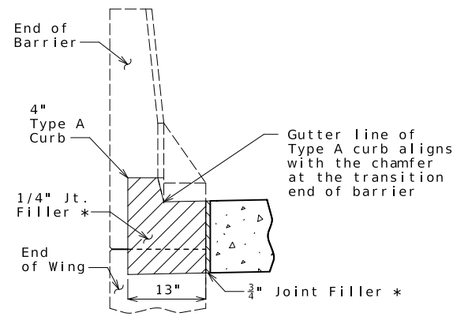


UNDERSEAL ACCESS HOLE DETAIL

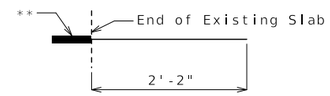
(If required)



CONSTRUCTION JOINT DETAIL

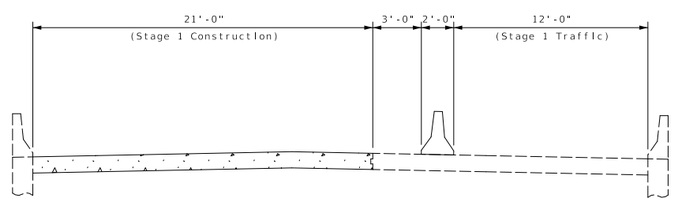


SECTION BETWEEN BARRIER AND CURB

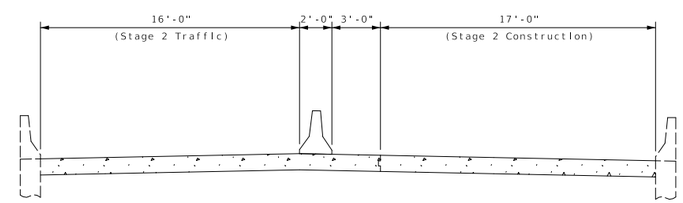


DETAILS OF RESIN ANCHOR SYSTEM A (39 Req'd.)

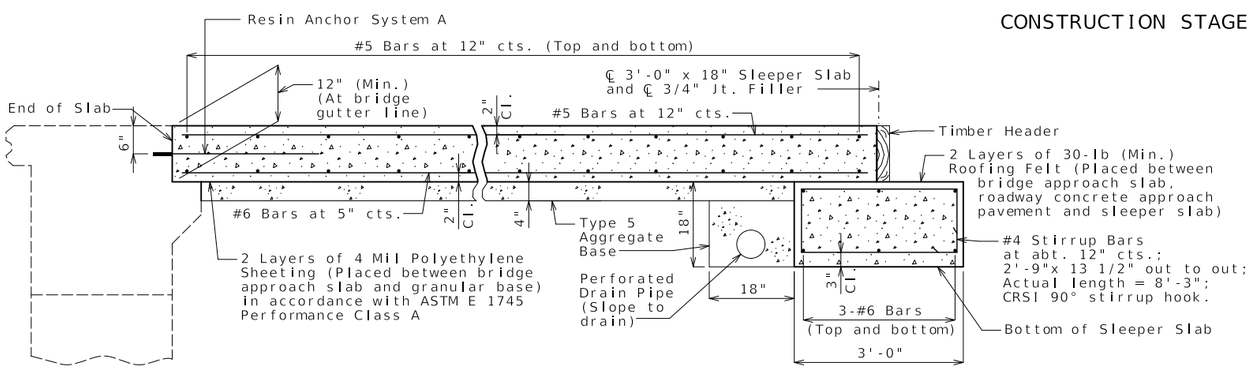
** Manufacture's recommended embedment length (5" min.)



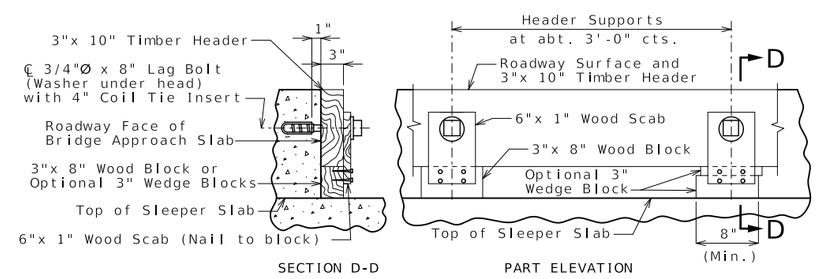
CONSTRUCTION STAGE 1



CONSTRUCTION STAGE 2



SECTION C-C



SECTION D-D PART ELEVATION

DETAILS OF TIMBER HEADER

Remove timber header when concrete pavement is placed.

General Notes:

All concrete for the bridge approach slab and sleeper slab shall be in accordance with Sec 503 (f'c = 4,000 psi).

The reinforcing steel in the bridge approach slab and the sleeper slab shall be epoxy coated Grade 60 with fy = 60,000 psi.

Drain pipe may be either 6" diameter corrugated metallic-coated pipe underdrain, 4" diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4" diameter corrugated polyethylene (PE) drain pipe.

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

The reinforcing steel in the bridge approach slab and the sleeper slab shall be continuous. The transverse reinforcing steel may be made continuous by providing a minimum lap splice of 24 inches for #5 bars and 40 inches for #6 bars, or by mechanical bar splice.

Mechanical bar splices shall be in accordance with Sec 710. (Estimated 46 splices per slab)

All joint filler shall be in accordance with Sec 1057 for preformed fiber expansion joint filler except as noted.

For concrete approach pavement details, see roadway plans.

See Missouri Standard Plan 609.00 for details of Type A curb.

Payment for furnishing all materials, labor and excavation necessary to construct the approach slab, including the timber header, sleeper slab, underdrain, Type 5 aggregate base, joint filler and all other appurtenances and incidental work as shown on this sheet, complete in place, will be considered completely covered by the contract unit price for Bridge Approach Slab (Major) per square yard.

* Seal joint between vertical face of approach slab and wing with sealant in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.

The contractor shall use one of the qualified resin anchor systems in accordance with Sec 1039

Cost of furnishing and installing the resin anchor systems, complete in place, will be completely covered by the contract unit price for Bridge Approach Slab (Major)

An epoxy coated #5 Grade 60 reinforcing bar shall be substituted for the 5/8"⌀ threaded rod.

BRIDGE APPROACH SLAB (MAJOR)

(A0082 NB END BENTS NO. 1 & 4, A0082 SB END BENT NO. 1)

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 1 of 2

Detailed
Checked

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER
Brian M. Rosenthal
08/01/2025 3:14:28 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

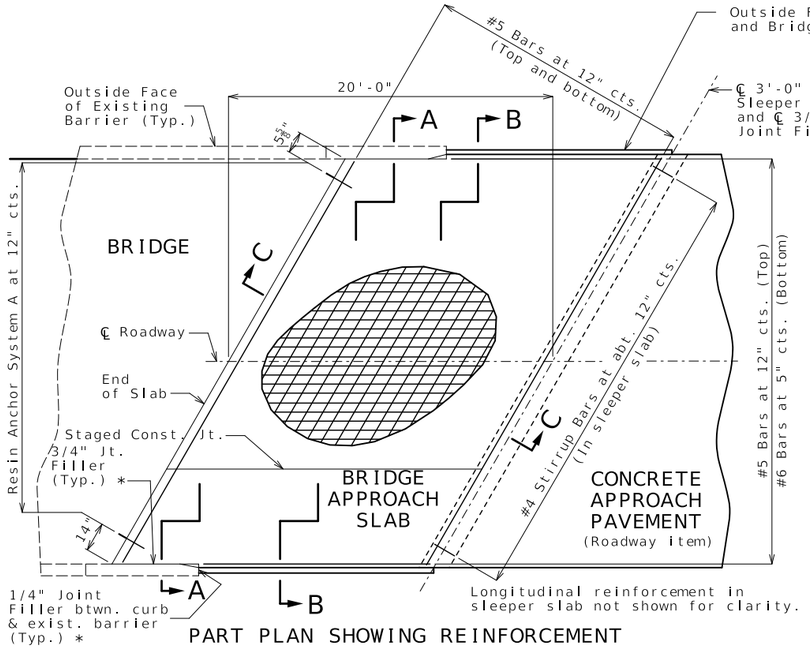
DATE PREPARED	
8/1/2025	
ROUTE I-29	STATE MO
DISTRICT NW	SHEET NO. 9
COUNTY BUCHANAN	
JOB NO. JNW0051	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

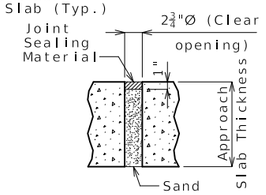
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET

SHEET 6 OF 9

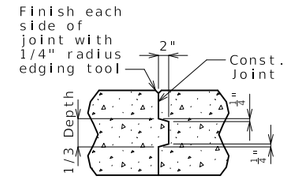


PART PLAN SHOWING REINFORCEMENT

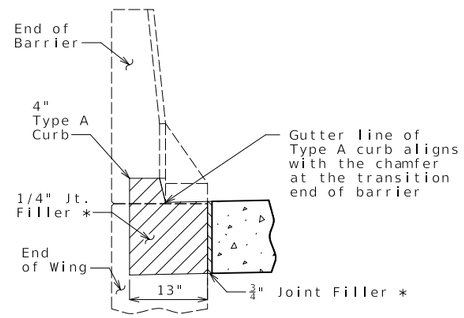


UNDERSEAL ACCESS HOLE DETAIL

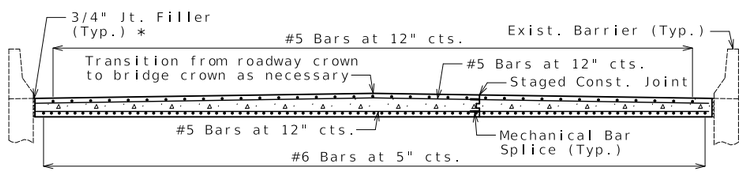
(If required)



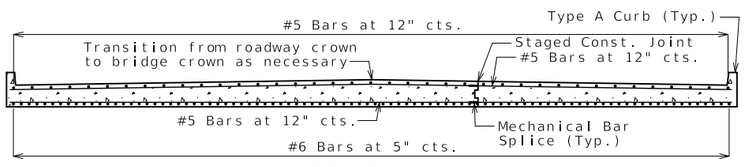
CONSTRUCTION JOINT DETAIL



SECTION BETWEEN BARRIER AND CURB

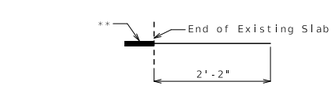


SECTION A-A



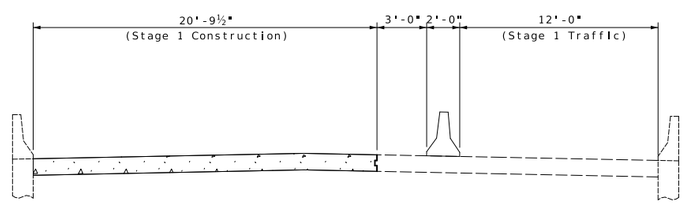
SECTION B-B

With the approval of the engineer, the contractor may crown the bottom of the approach slab to match the crown of the roadway surface.

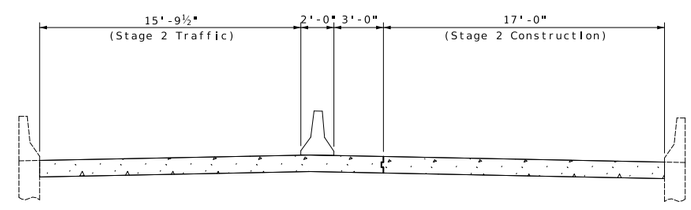


DETAILS OF RESIN ANCHOR SYSTEM A
(43 Req'd.)

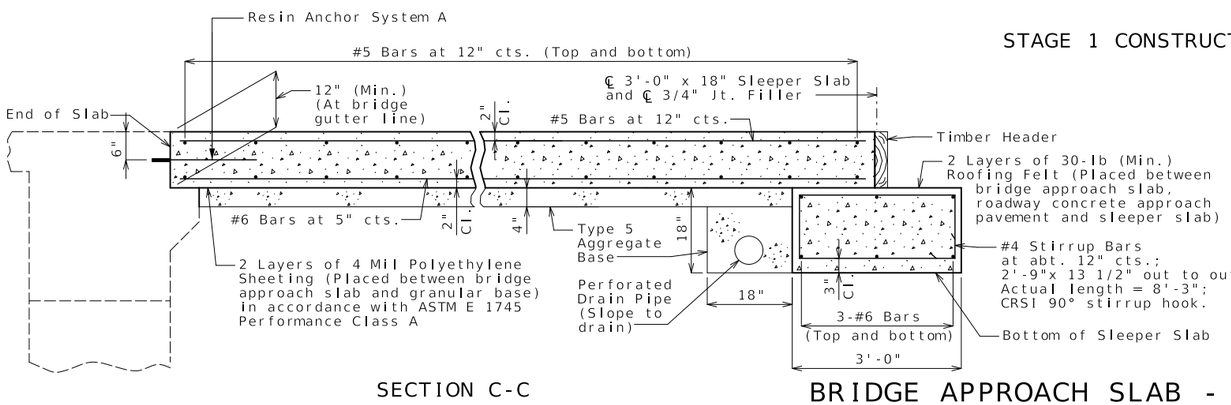
** Manufacture's recommended embedment length (5" min.)



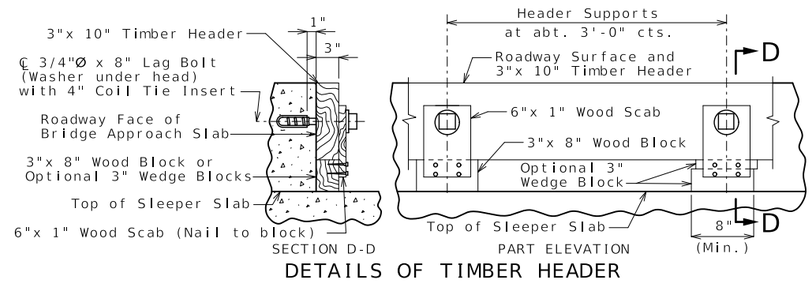
STAGE 1 CONSTRUCTION



STAGE 2 CONSTRUCTION



SECTION C-C



DETAILS OF TIMBER HEADER

Remove timber header when concrete pavement is placed.

General Notes:

All concrete for the bridge approach slab and sleeper slab shall be in accordance with Sec 503 (f'c = 4,000 psi).

The reinforcing steel in the bridge approach slab and the sleeper slab shall be epoxy coated Grade 60 with fy = 60,000 psi.

Drain pipe may be either 6" diameter corrugated metallic-coated pipe underdrain, 4" diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4" diameter corrugated polyethylene (PE) drain pipe.

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

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Mechanical bar splices shall be in accordance with Sec 710. (Estimated 46 splices per slab)

All joint filler shall be in accordance with Sec 1057 for preformed fiber expansion joint filler except as noted.

For concrete approach pavement details, see roadway plans.

See Missouri Standard Plan 609.00 for details of Type A curb.

Payment for furnishing all materials, labor and excavation necessary to construct the approach slab, including the timber header, sleeper slab, underdrain, Type 5 aggregate base, joint filler and all other appurtenances and incidental work as shown on this sheet, complete in place, will be considered completely covered by the contract unit price for Bridge Approach Slab (Major) per square yard.

* Seal joint between vertical face of approach slab and wing with sealant in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.

The contractor shall use one of the qualified resin anchor systems in accordance with Sec 1039

Cost of furnishing and installing the resin anchor systems, complete in place, will be completely covered by the contract unit price for Bridge Approach Slab (Major)

An epoxy coated #5 Grade 60 reinforcing bar shall be substituted for the 5/8"⊙ threaded rod.

BRIDGE APPROACH SLAB - (MAJOR)

(A0084 NB END BENTS NO. 1 & 4, A0084 SB END BENTS NO 1 & 4)

Detailed
Checked

Note: This drawing is not to scale. Follow dimensions.

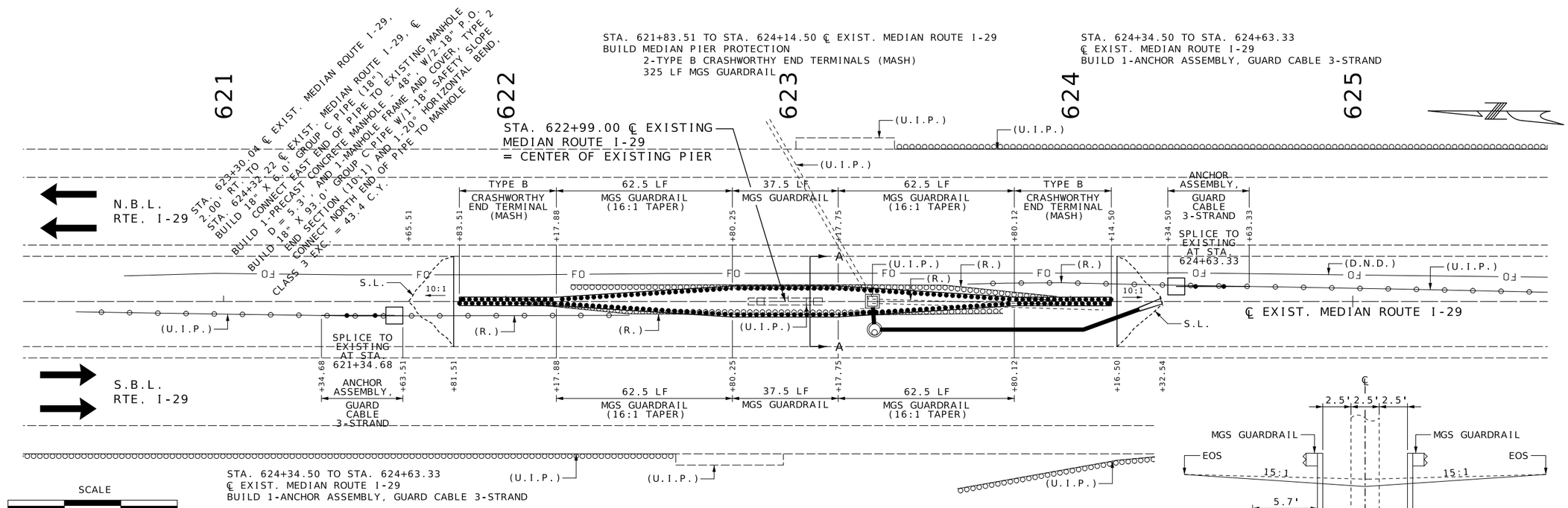
STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER
Brian M. Rosenthal
08/01/2025 3:15:09 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	
7/28/2025	
ROUTE I-29	STATE MO
DISTRICT NW	SHEET NO. 10
COUNTY BUCHANAN	
JOB NO. JNW0051	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

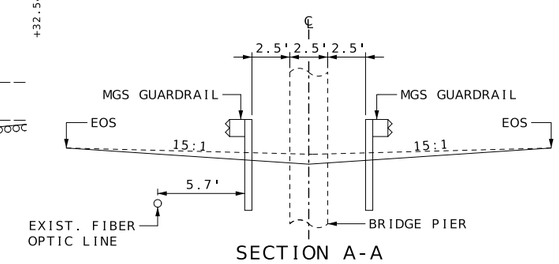
DATE	DESCRIPTION

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

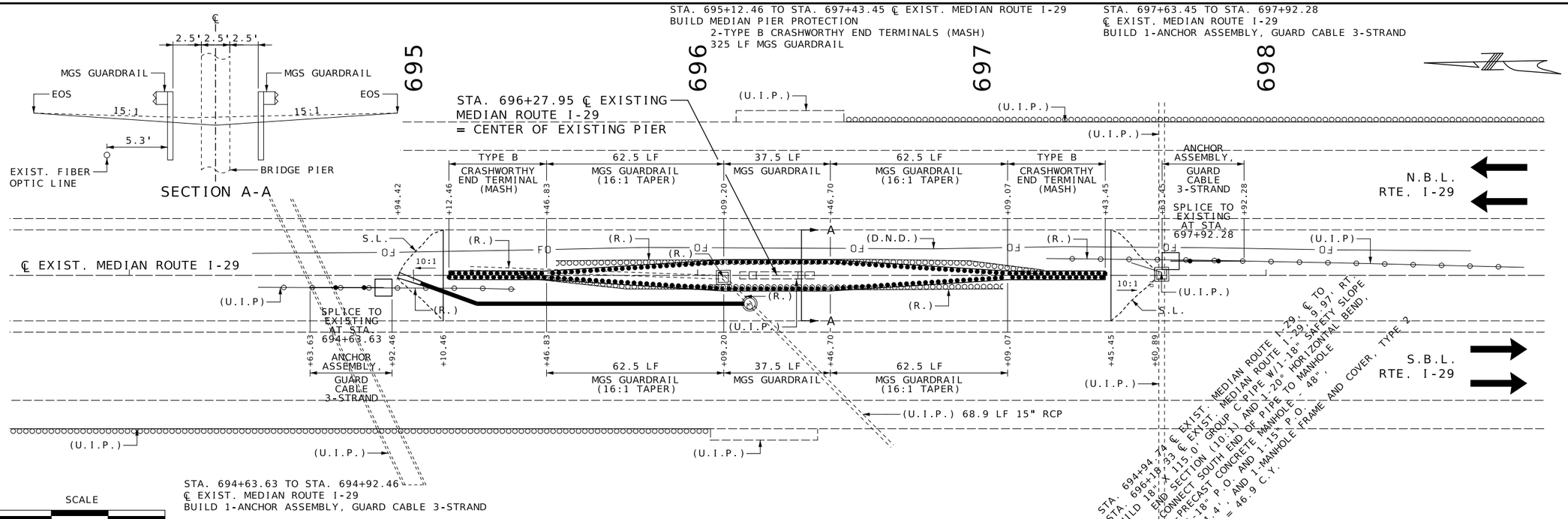
SPECIAL SHEET
SHEET 7 OF 9



GUARDRAIL AND DRAINAGE - PIGEON HILL RD. OVERPASS



SECTION A-A



GUARDRAIL AND DRAINAGE - ROUTE H OVERPASS

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:15:46 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

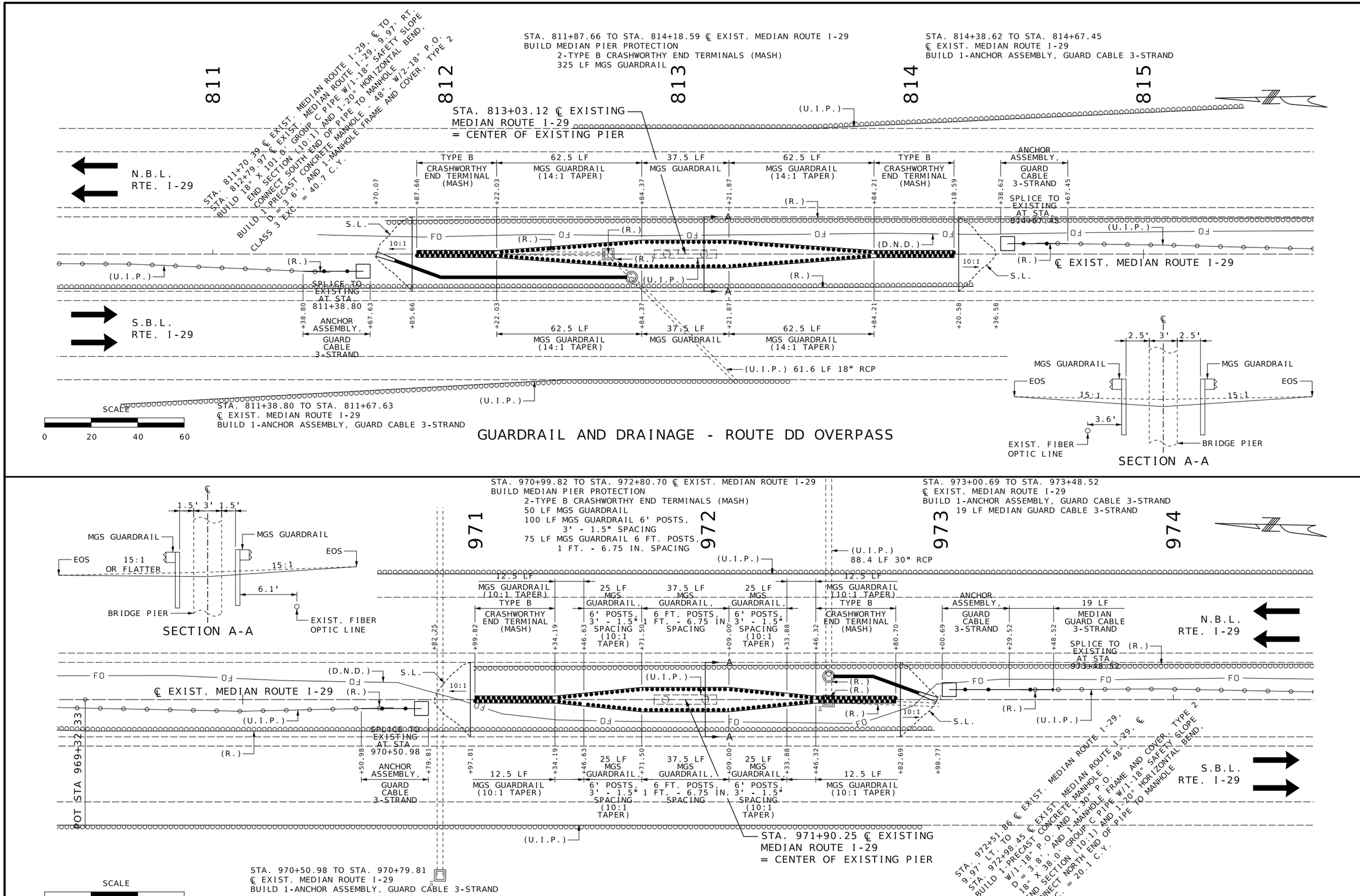
DATE PREPARED	
6/30/2025	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	11
COUNTY	
BUCHANAN	
JOB NO.	
JNW0051	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

SPECIAL SHEET

SHEET 8 OF 9



STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:16:15 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	
6/30/2025	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	12
COUNTY	
BUCHANAN	
JOB NO.	
JNW0051	
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)

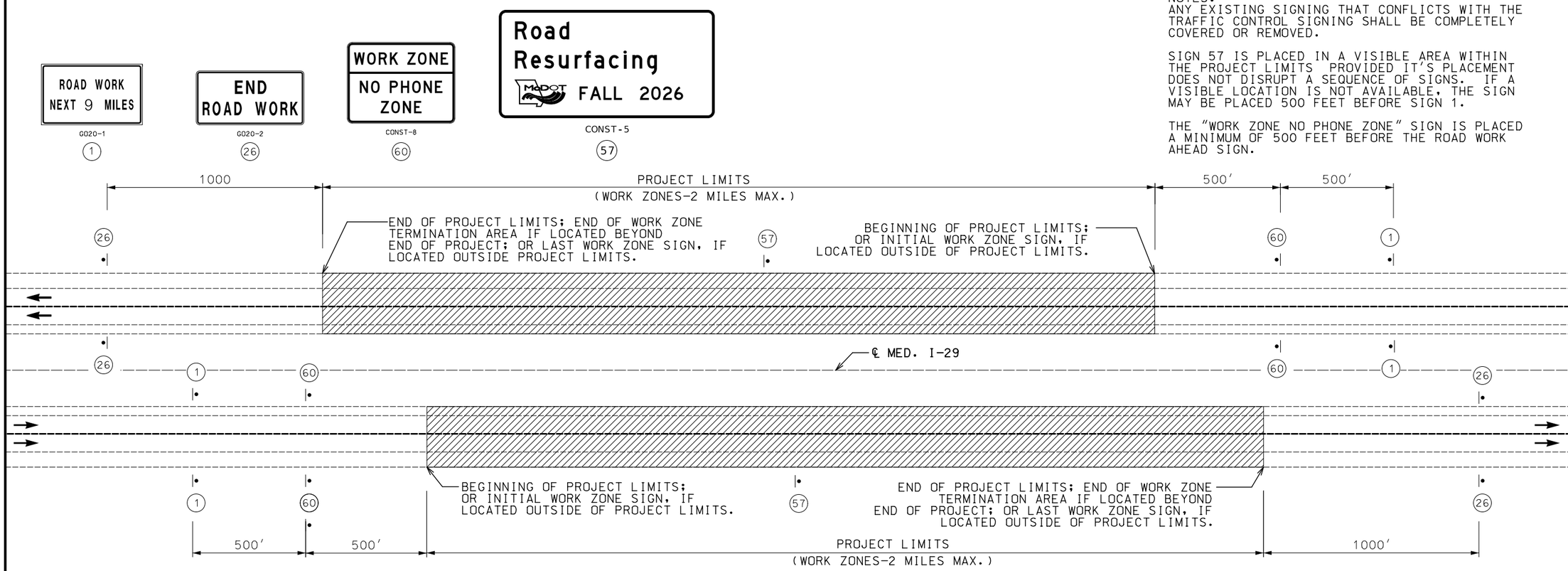
SPECIAL SHEET

SHEET 9 OF 9

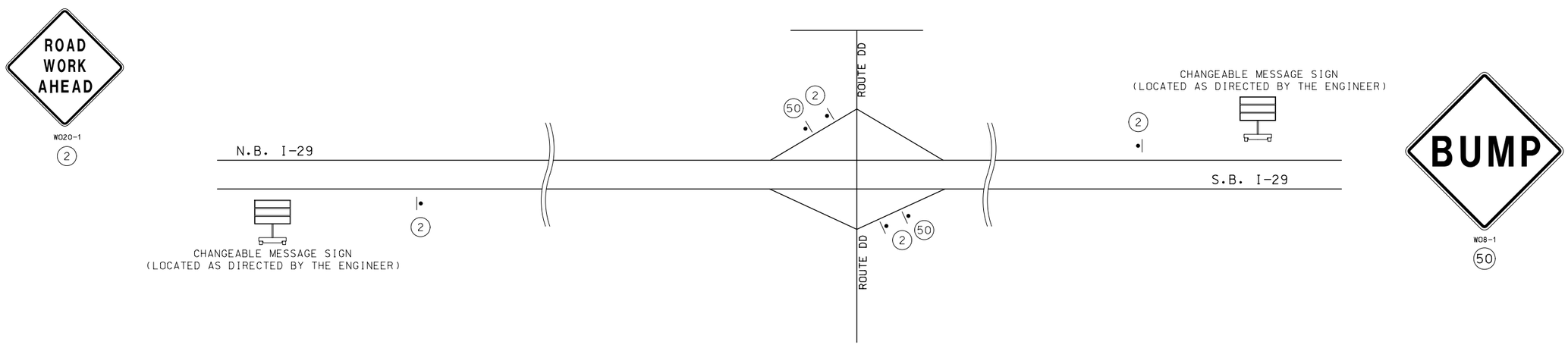
NOTES:
ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

SIGN 57 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED IT'S PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN 1.

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



BEGIN/END OF PROJECT SIGNING



STATE HIGHWAY/COUNTY ROAD SIGNING

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER
08/01/2025 3:39:40 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	8/1/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	13
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

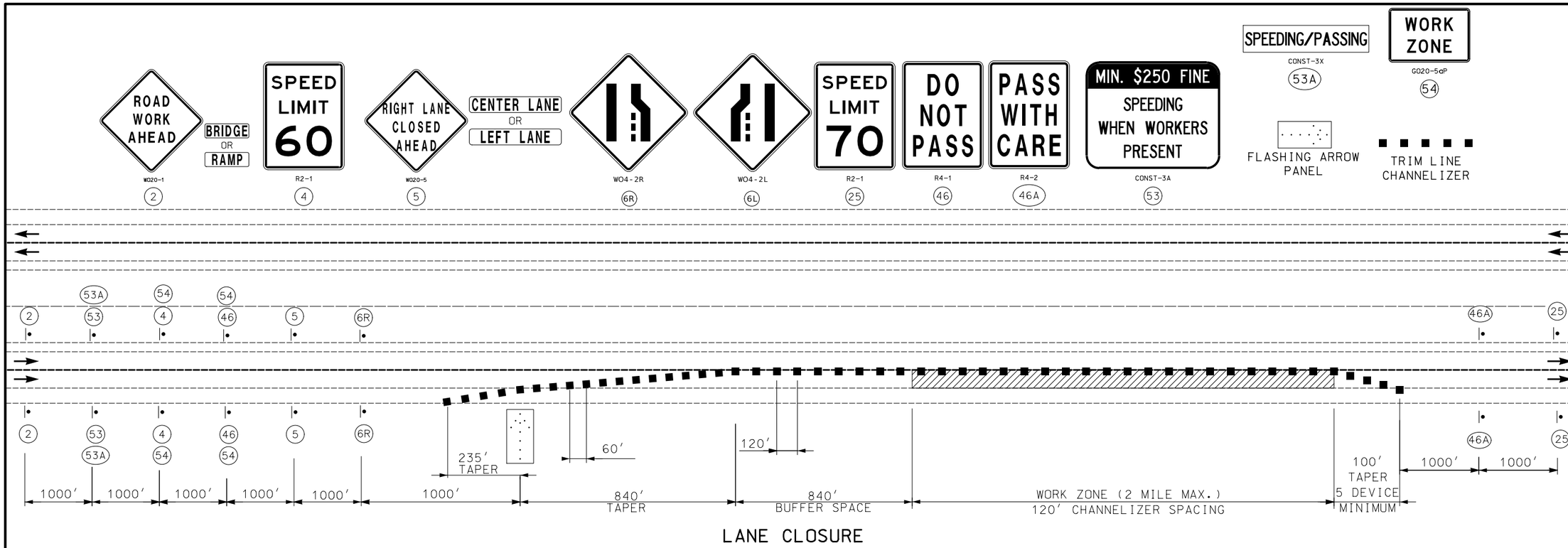
DESCRIPTION

DATE

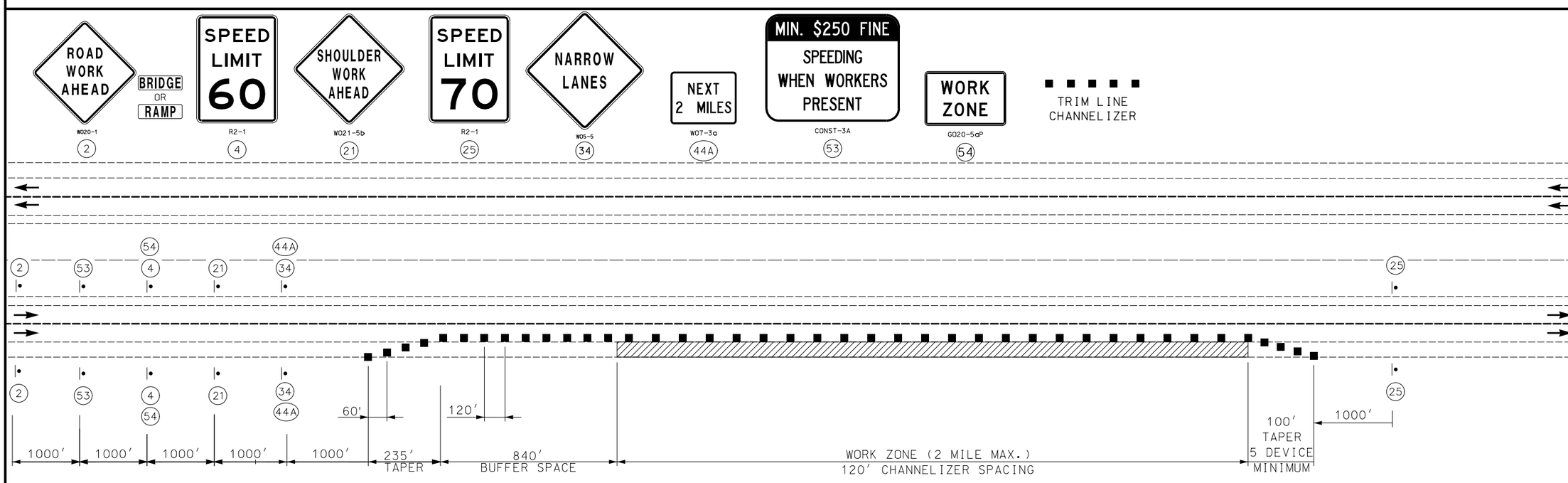
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL PLAN

SHEET 1 OF 22



LANE CLOSURE



SHOULDER WORK

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:41:03 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	8/1/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	14
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

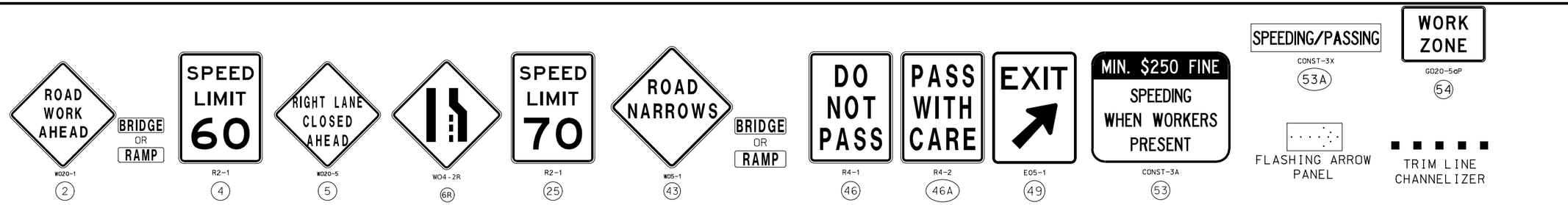
DATE	DESCRIPTION

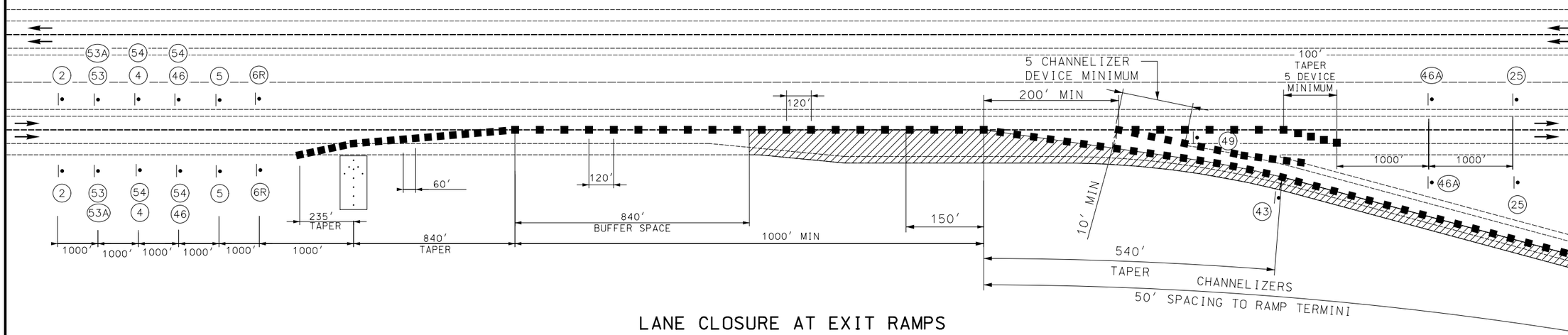
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

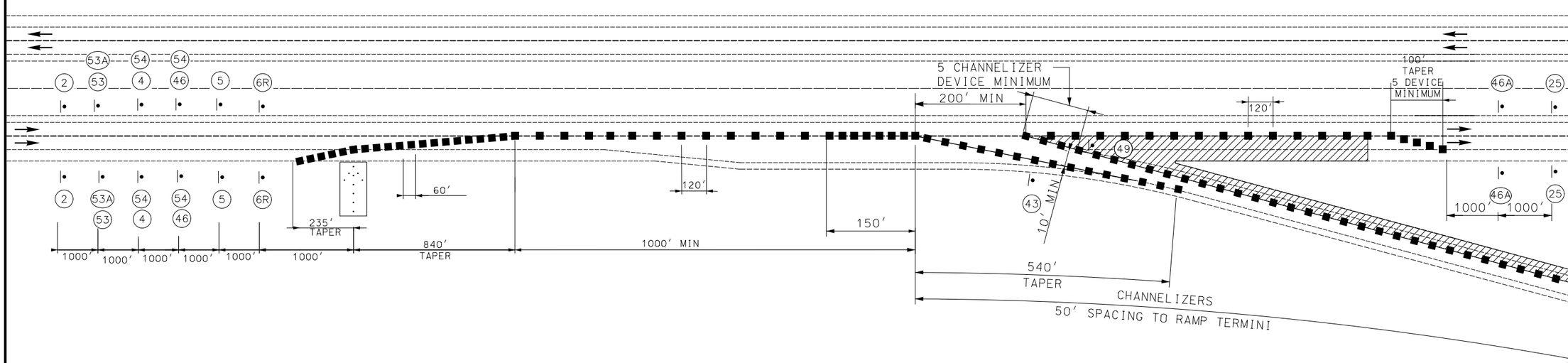
TRAFFIC CONTROL PLAN

SHEET 2 OF 22





LANE CLOSURE AT EXIT RAMPS



LANE CLOSURE AT EXIT RAMPS

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER
08/01/2025 3:42:30 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	8/1/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	15
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

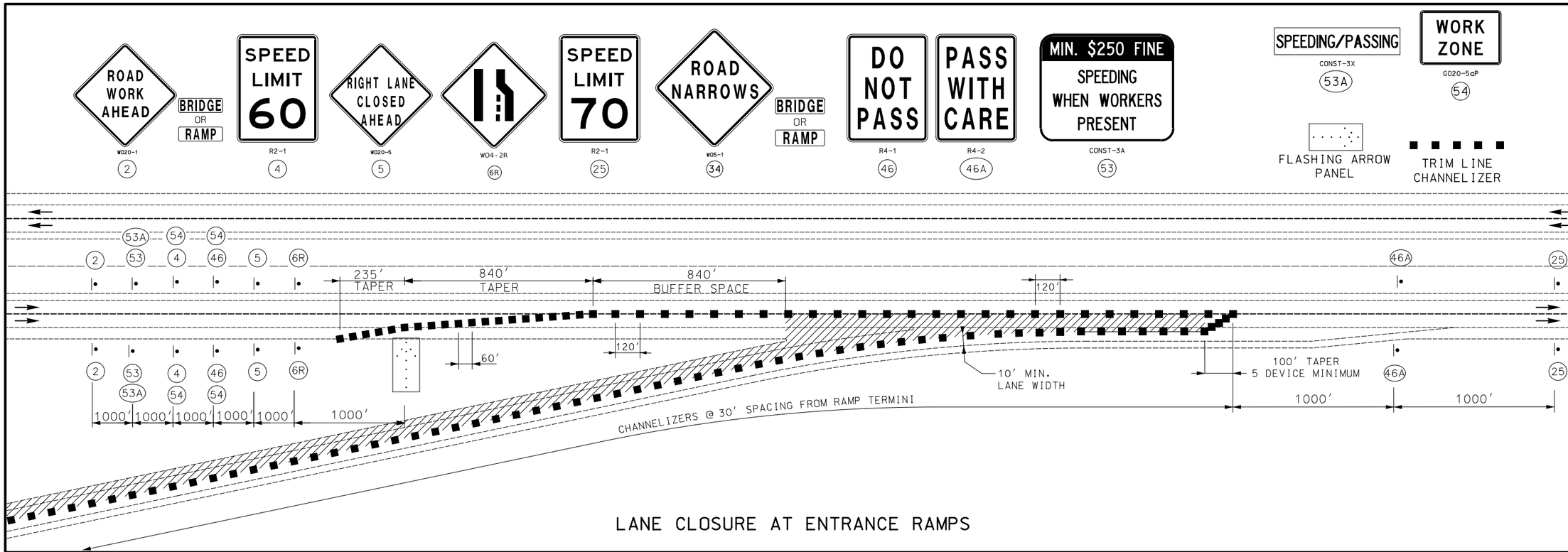
DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

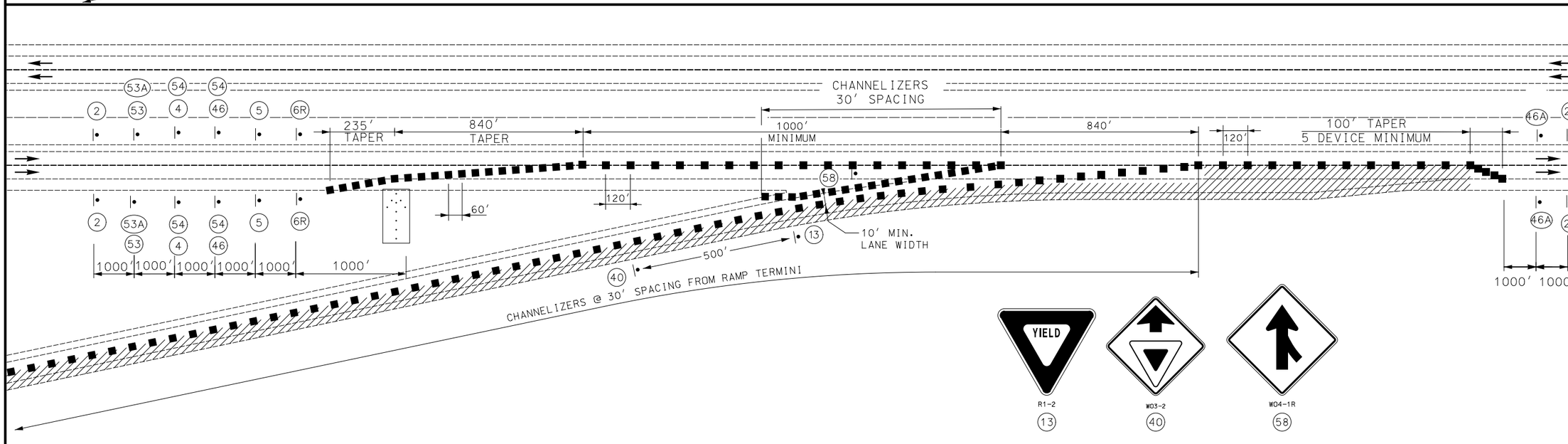
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TRAFFIC CONTROL PLAN

SHEET 3 OF 22



LANE CLOSURE AT ENTRANCE RAMPS



LANE CLOSURE AT ENTRANCE RAMPS

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:43:41 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	8/1/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	16
COUNTY	BUCHANAN
JOB NO.	JNW0051
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)

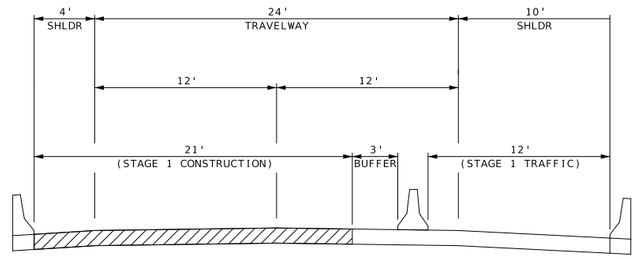
TRAFFIC CONTROL PLAN

SHEET 4 OF 22

NOTES: PLAN TO BE USED DURING RECONSTRUCTION OF APPROACHES TO BRIDGES A0082 OVER PIGEON CREEK.

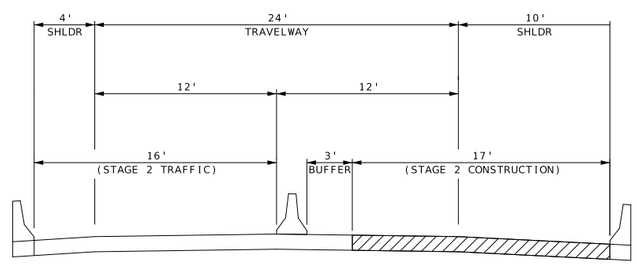
OUTSIDE SHOULDER REPLACEMENT SHALL BE COMPLETED PRIOR TO SHIFTING TRAFFIC ONTO OUTSIDE SHOULDER.

THE RECONSTRUCTION OF THE BRIDGE APPROACH SLAB AND CONCRETE APPROACH PAVEMENT SHALL OCCUR AT ONE STRUCTURE AT A TIME. TEMPORARY TRAFFIC BARRIER SHALL ONLY BE USED FOR ONE LANE CLOSURE AT ANY GIVEN TIME DURING THE DURATION OF THE PROJECT.



HALF SECTION ON TANGENT

TYPICAL SECTION ROUTE I-29
STAGE 1 - INSIDE LANE CLOSURE



HALF SECTION ON TANGENT

TYPICAL SECTION ROUTE I-29
STAGE 2 - OUTSIDE LANE CLOSURE

NOT TO SCALE

LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER - BRIDGE A0082 OVER PIGEON CREEK

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:44:22 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	
8/1/2025	
ROUTE: I-29	STATE: MO
DISTRICT: NW	SHEET NO.: 17
COUNTY: BUCHANAN	
JOB NO.: JNW0051	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

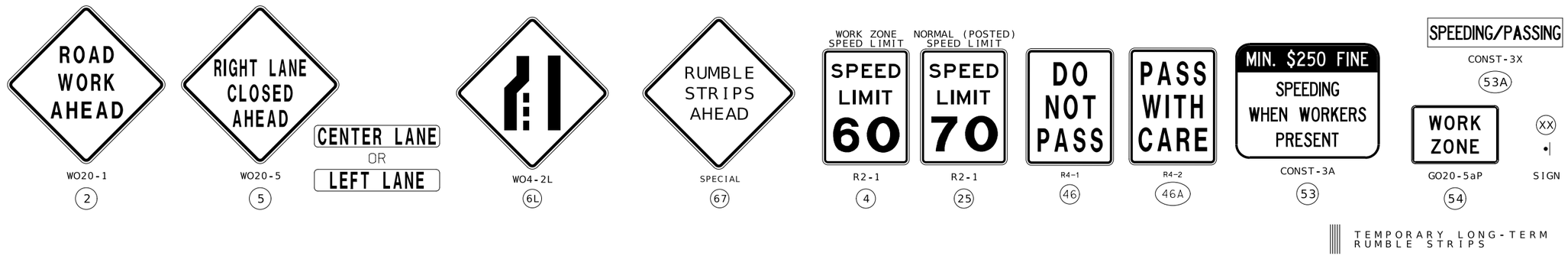
DATE	DESCRIPTION

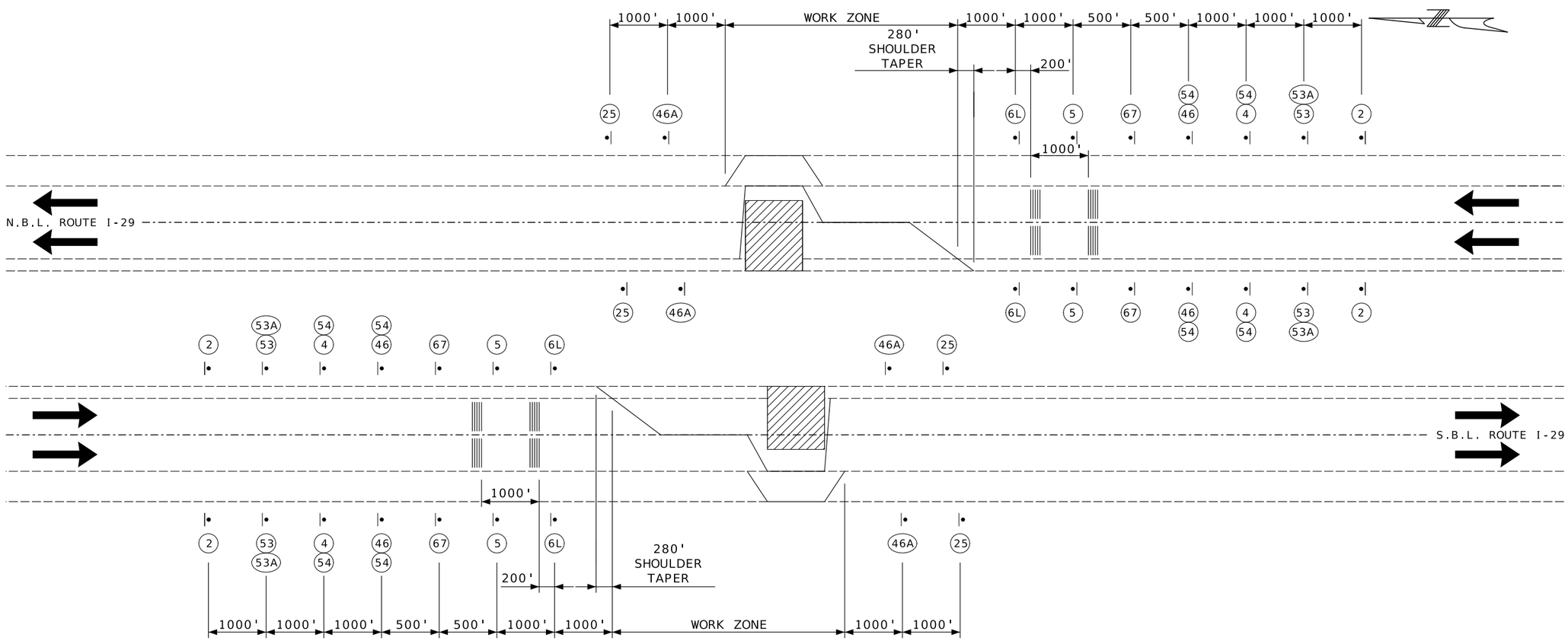
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN

SHEET 5 OF 22





NOT TO SCALE

WORK ON INSIDE LANES - STAGE 1 OVER PIGEON CREEK
- ADVANCE WARNING AND TERMINATION AREA SIGNING

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/04/2025 11:16:24 AM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	8/4/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	18
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

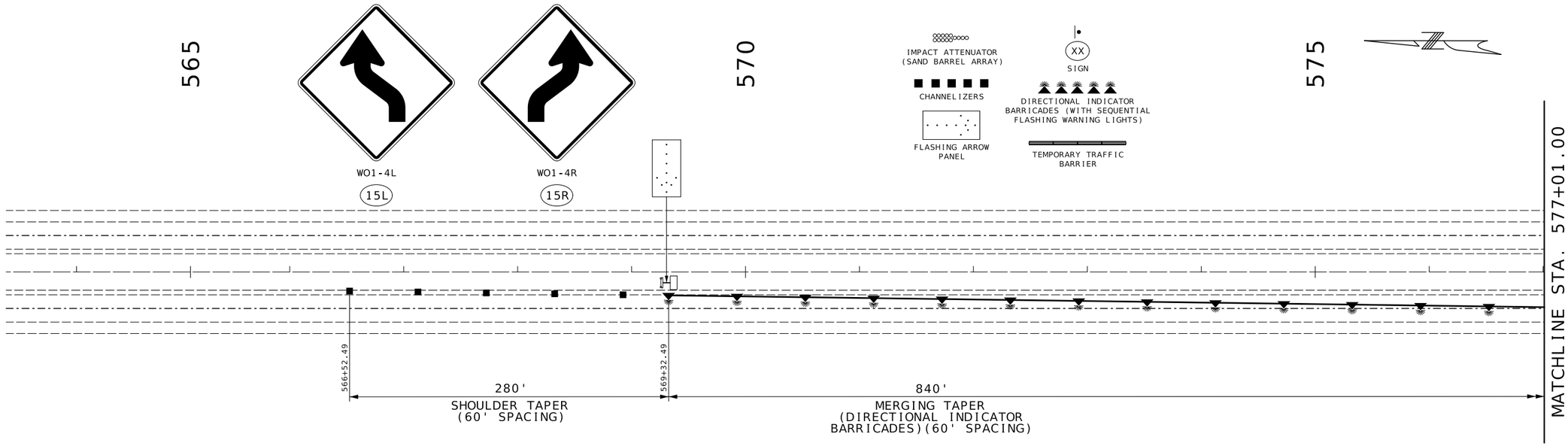
DATE

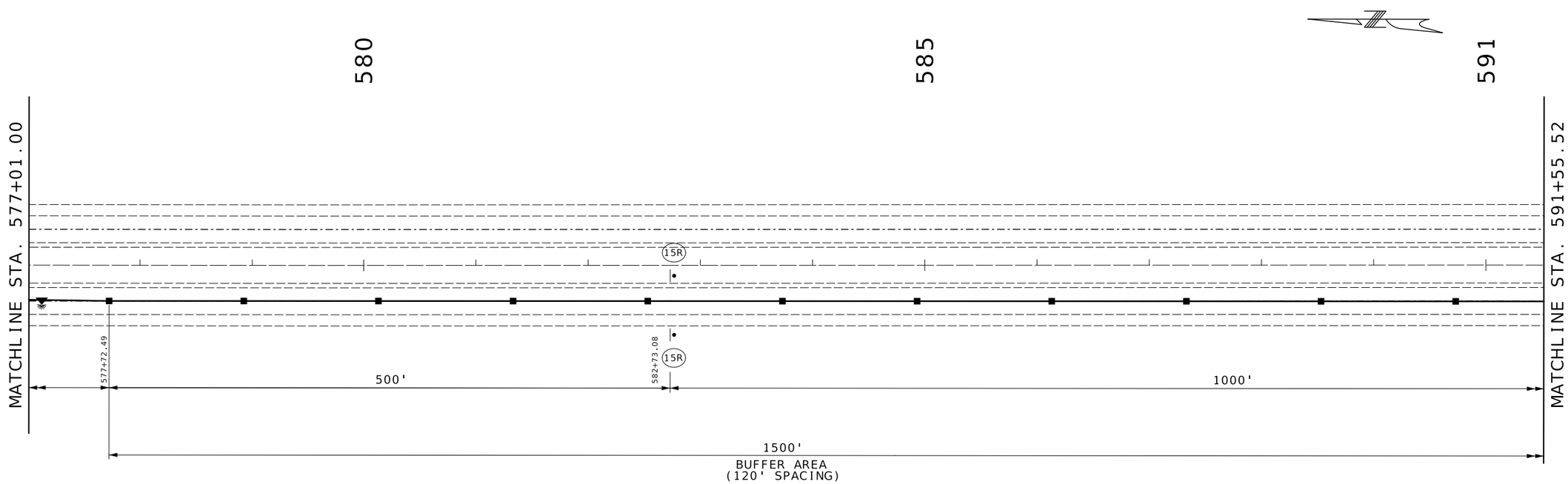
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN

SHEET 6 OF 22





LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER
- OVER PIGEON CREEK (A0082) -
STAGE 1, INSIDE LANE CLOSED

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:49:33 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

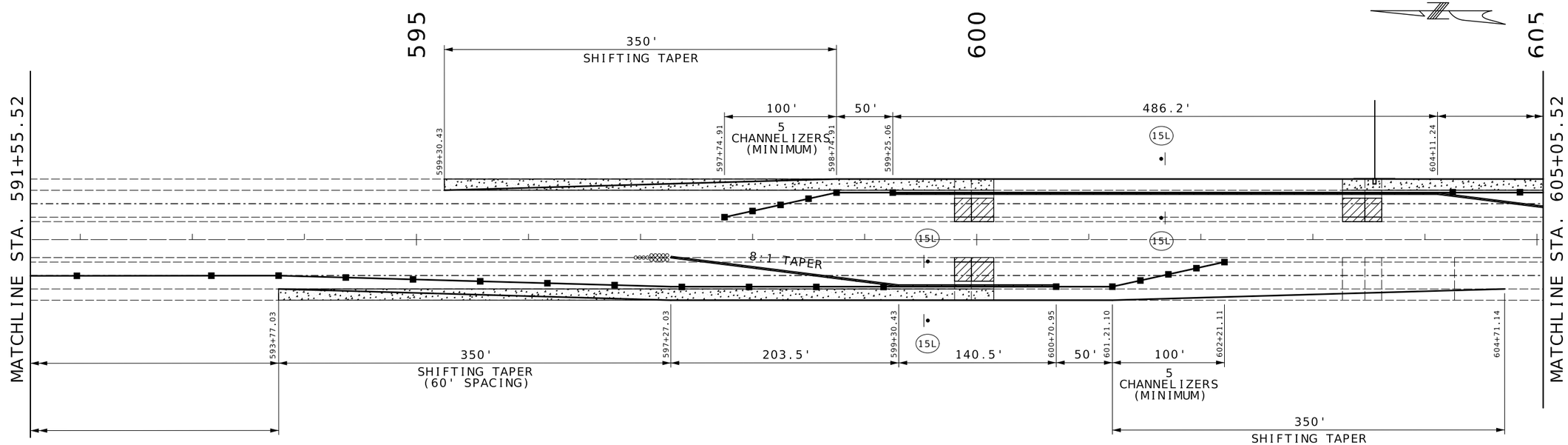
DATE PREPARED	8/1/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	19
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

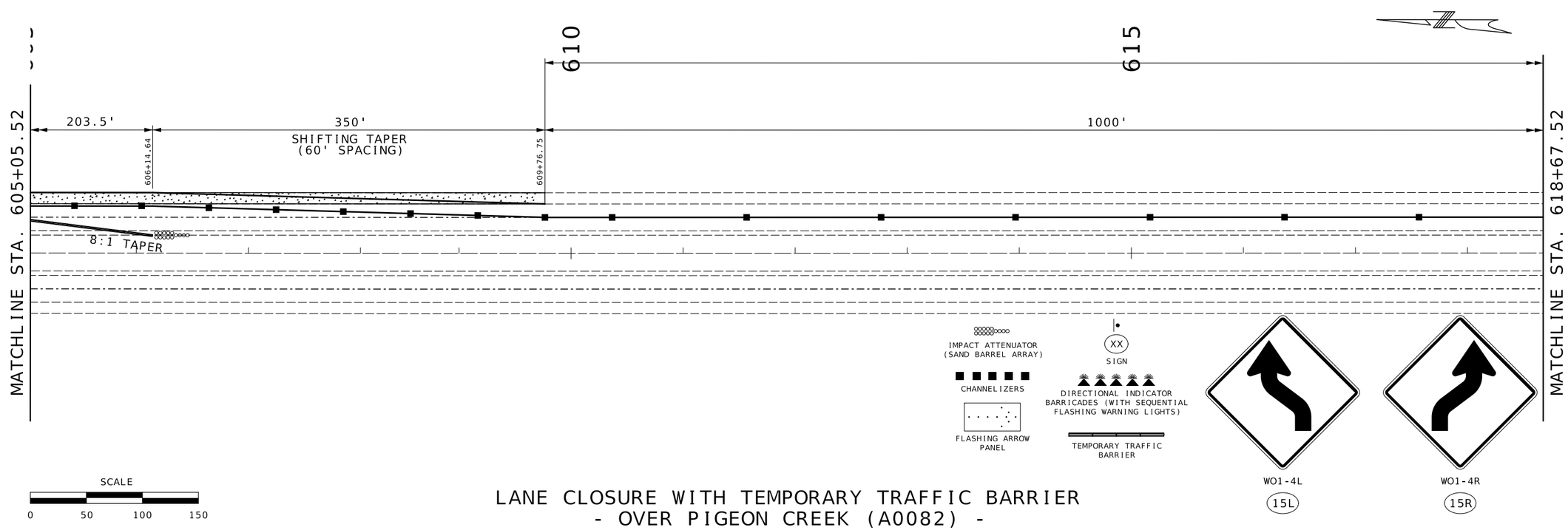
DATE	DESCRIPTION

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

TRAFFIC CONTROL PLAN

SHEET 7 OF 22





LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER
- OVER PIGEON CREEK (A0082) -
STAGE 1, INSIDE LANE CLOSED

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:50:15 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	8/1/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	20
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

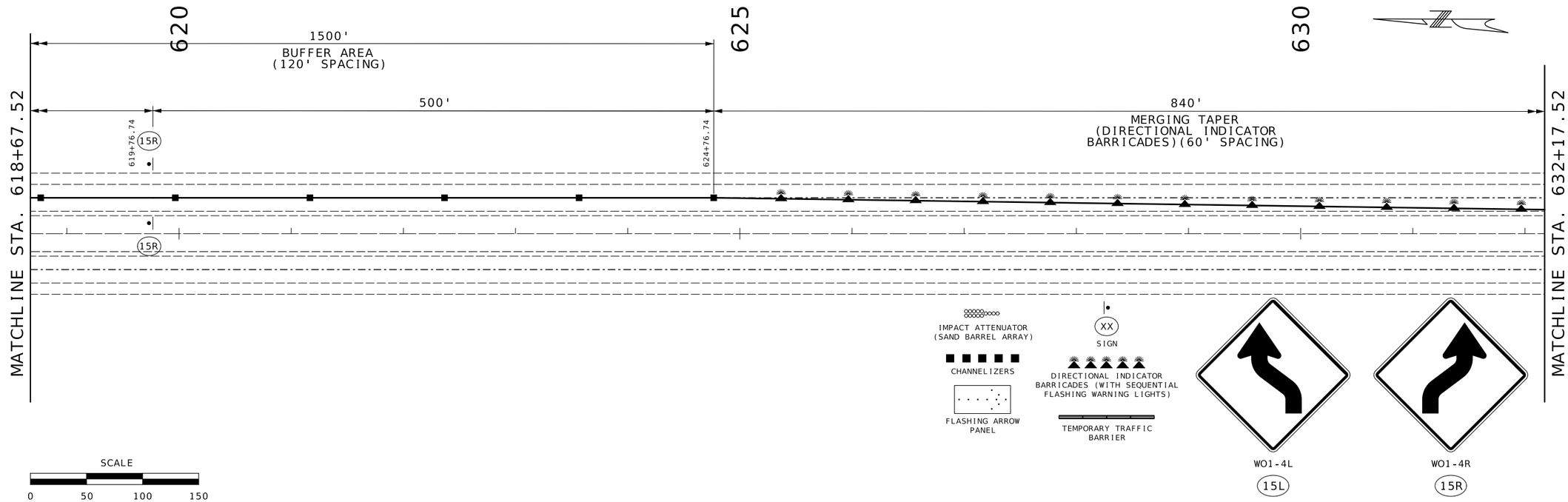
DATE	DESCRIPTION

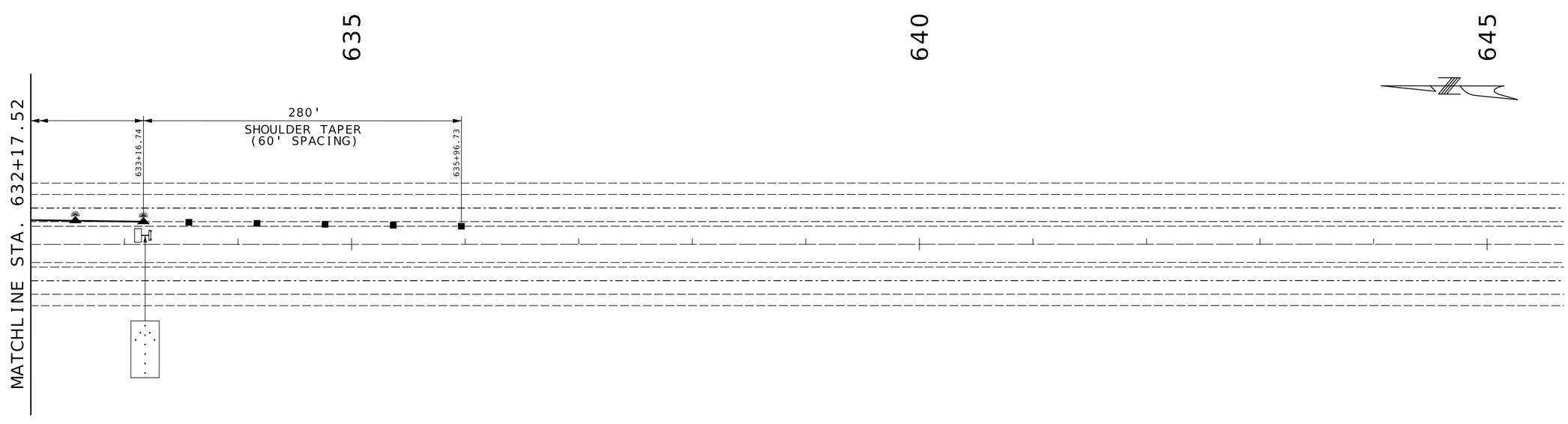
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN

SHEET 8 OF 22





LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER
- OVER PIGEON CREEK (A0082) -
STAGE 1, INSIDE LANE CLOSED

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:50:57 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	
8/1/2025	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	21
COUNTY	
BUCHANAN	
JOB NO.	
JNW0051	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

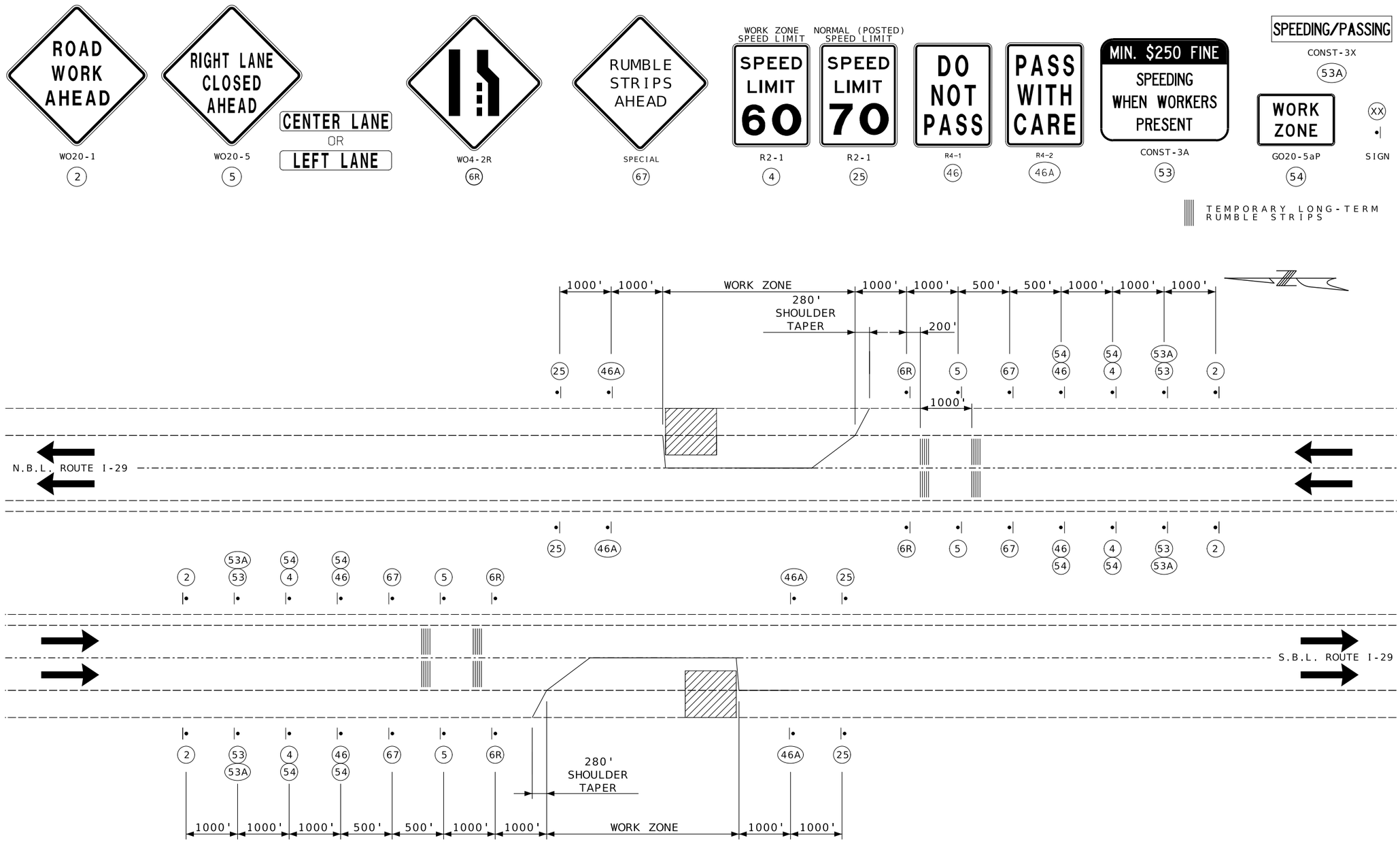
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN

SHEET 9 OF 22



NOT TO SCALE

WORK ON OUTSIDE LANE - STAGE 2 OVER PIGEON CREEK
- ADVANCE WARNING AND TERMINATION AREA SIGNING

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/04/2025 11:18:08 AM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

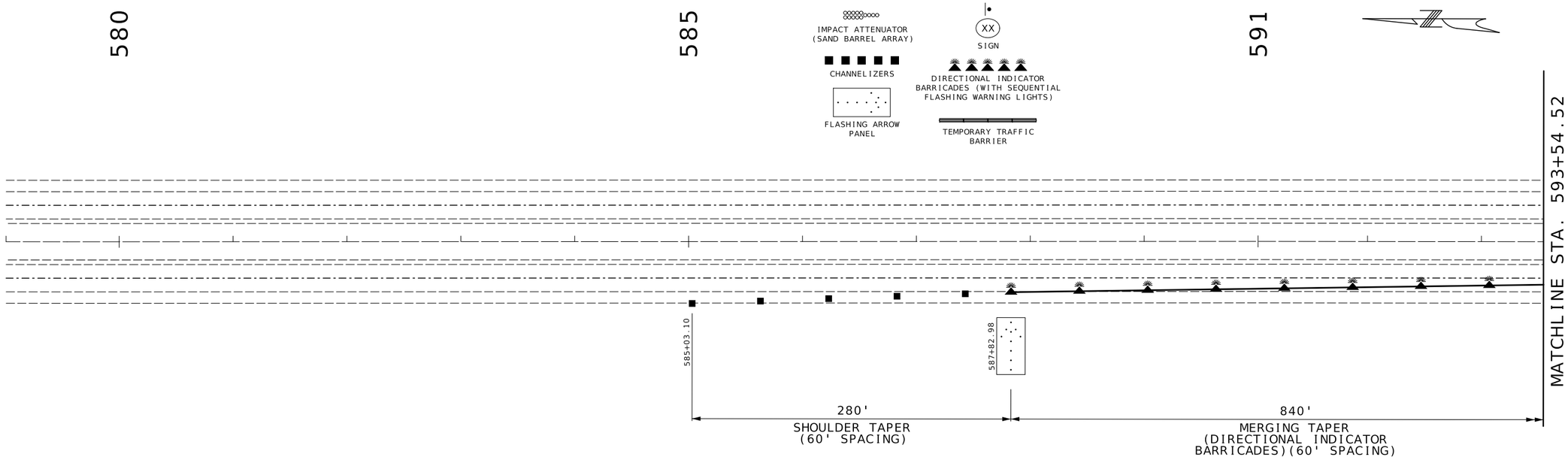
DATE PREPARED	
8/4/2025	
ROUTE I-29	STATE MO
DISTRICT NW	SHEET NO. 22
COUNTY BUCHANAN	
JOB NO. JNW0051	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

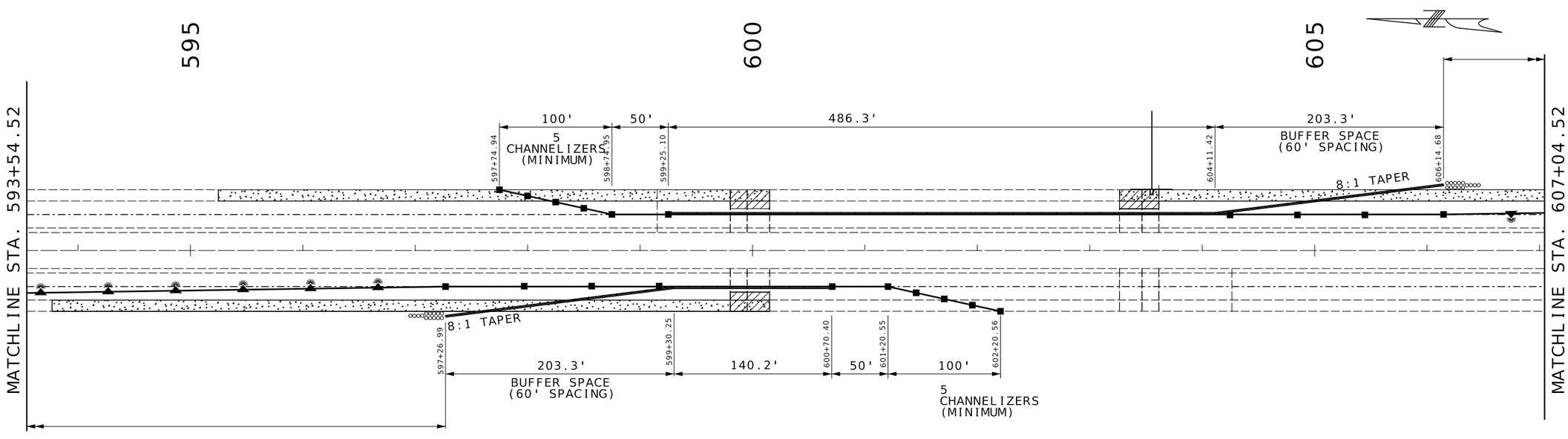
DESCRIPTION	DATE

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

TRAFFIC CONTROL PLAN

SHEET 10 OF 22





LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER
- OVER PIGEON CREEK (A0082) -
STATE 2, OUTSIDE LANE CLOSED

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:53:12 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

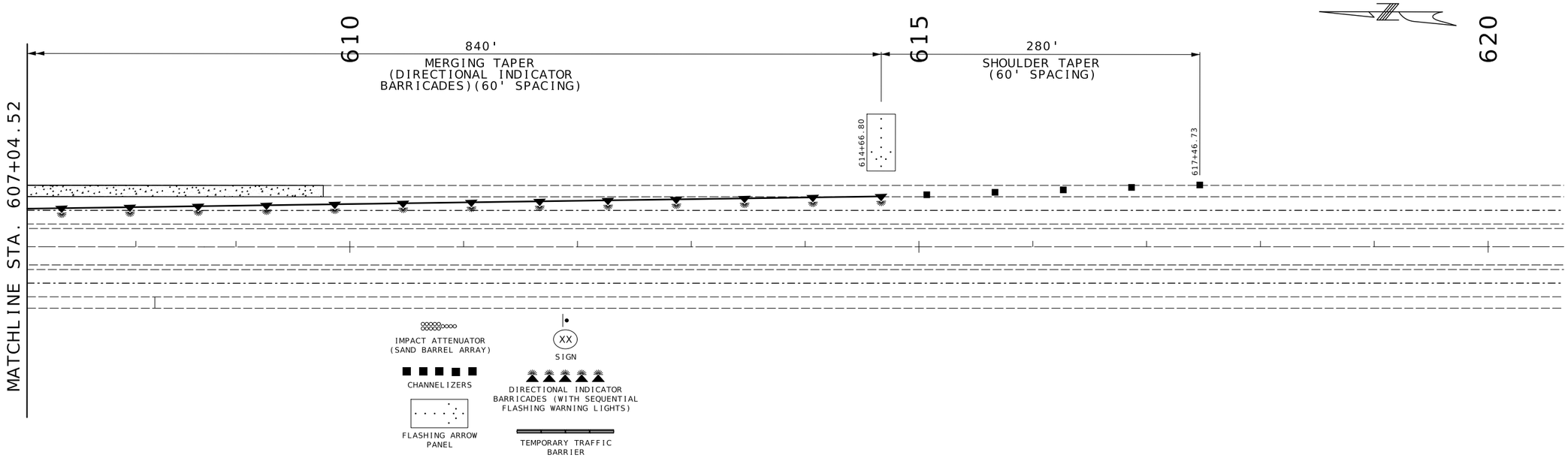
DATE PREPARED	8/1/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	23
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

TRAFFIC CONTROL PLAN

SHEET 11 OF 22



SCALE

0 50 100 150

LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER
- OVER PIGEON CREEK (A0082) -
STAGE 2, OUTSIDE LANE CLOSED

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:53:48 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	
8/1/2025	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	24
COUNTY	
BUCHANAN	
JOB NO.	
JNW0051	
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)

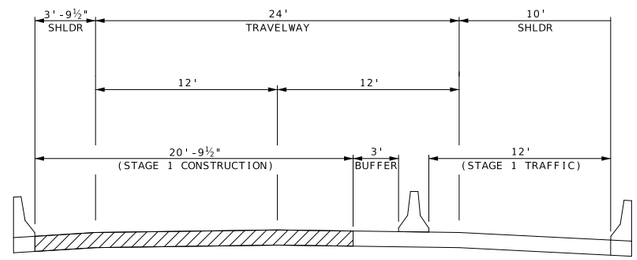
TRAFFIC CONTROL PLAN

SHEET 12 OF 22

NOTES: PLAN TO BE USED DURING RECONSTRUCTION OF APPROACHES TO BRIDGES A0084 OVER BEE CREEK.

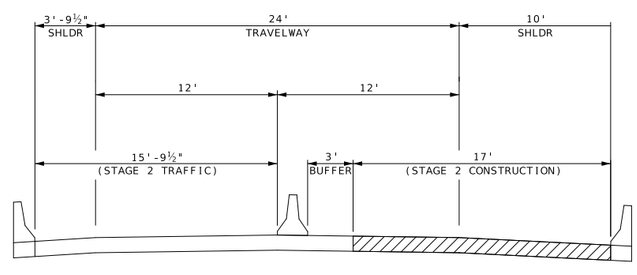
OUTSIDE SHOULDER REPLACEMENT SHALL BE COMPLETED PRIOR TO SHIFTING TRAFFIC ONTO OUTSIDE SHOULDER.

THE RECONSTRUCTION OF THE BRIDGE APPROACH SLAB AND CONCRETE APPROACH PAVEMENT SHALL OCCUR AT ONE STRUCTURE AT A TIME. TEMPORARY TRAFFIC BARRIER SHALL ONLY BE USED FOR ONE LANE CLOSURE AT ANY GIVEN TIME DURING THE DURATION OF THE PROJECT.



HALF SECTION ON TANGENT

TYPICAL SECTION ROUTE I-29
STAGE 1 - INSIDE LANE CLOSURE



HALF SECTION ON TANGENT

TYPICAL SECTION ROUTE I-29
STAGE 2 - OUTSIDE LANE CLOSURE

NOT TO SCALE

LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER - BRIDGE A0084 OVER BEE CREEK

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:55:02 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	
8/1/2025	
ROUTE: I-29	STATE: MO
DISTRICT: NW	SHEET NO.: 25
COUNTY: BUCHANAN	
JOB NO.: JNW0051	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

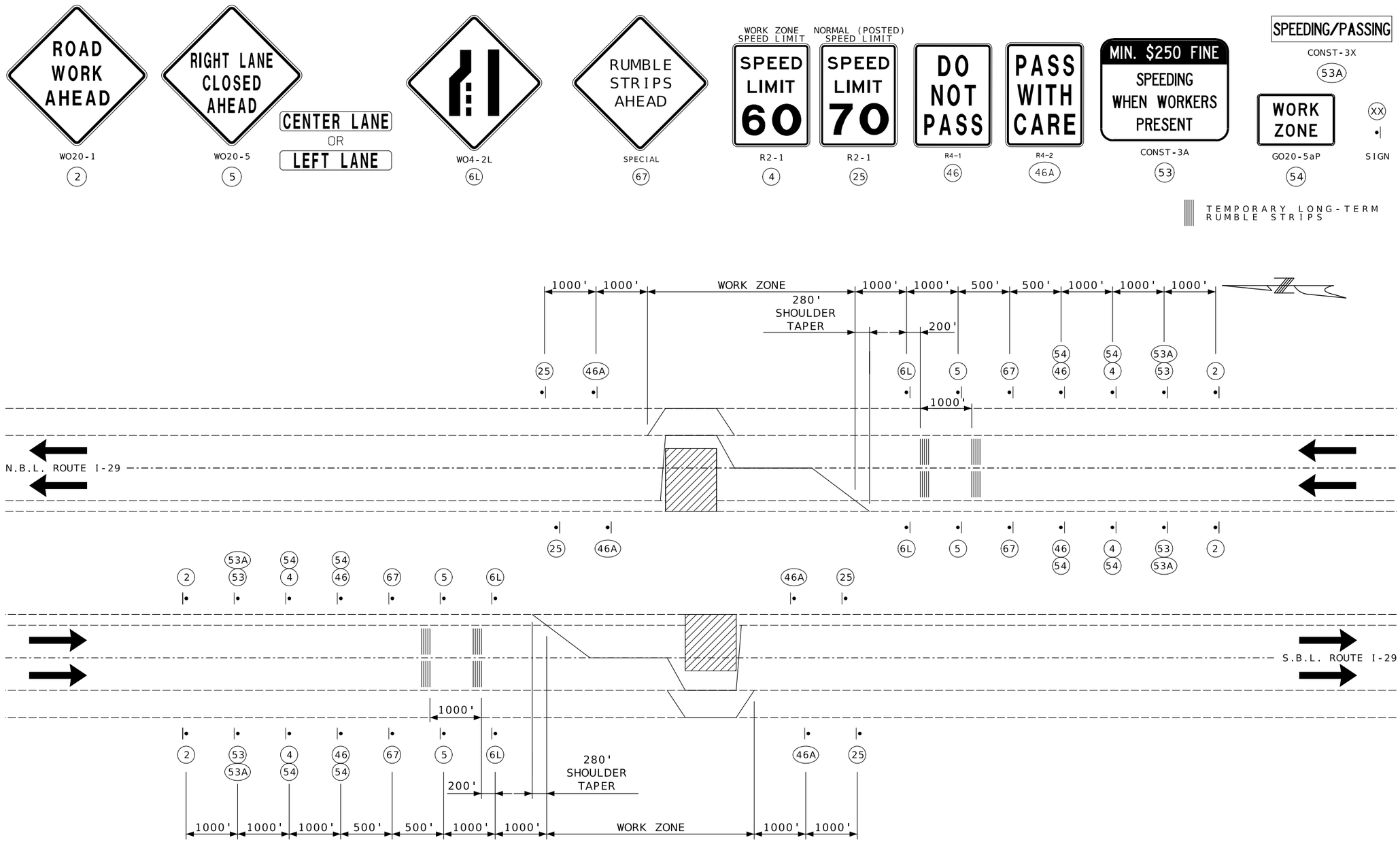
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN

SHEET 13 OF 22



NOT TO SCALE

WORK ON INSIDE LANES - STAGE 1 OVER BEE CREEK
- ADVANCE WARNING AND TERMINATION AREA SIGNING

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/04/2025 11:19:39 AM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	8/4/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	26
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

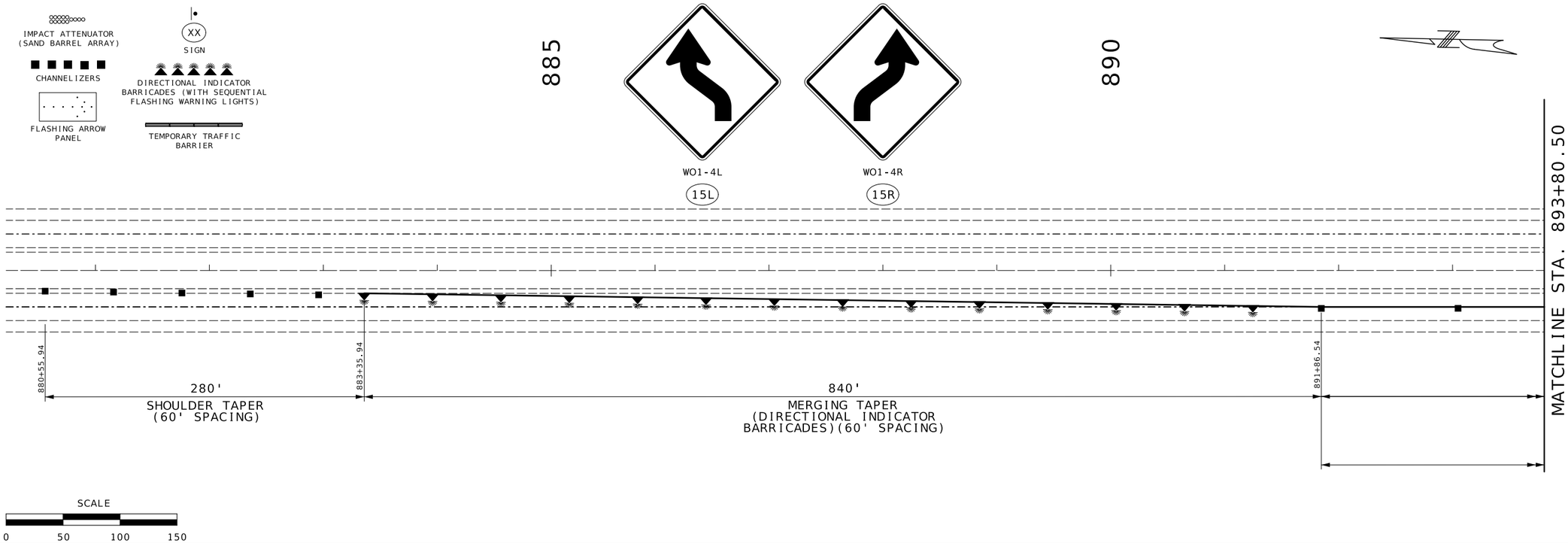
DATE

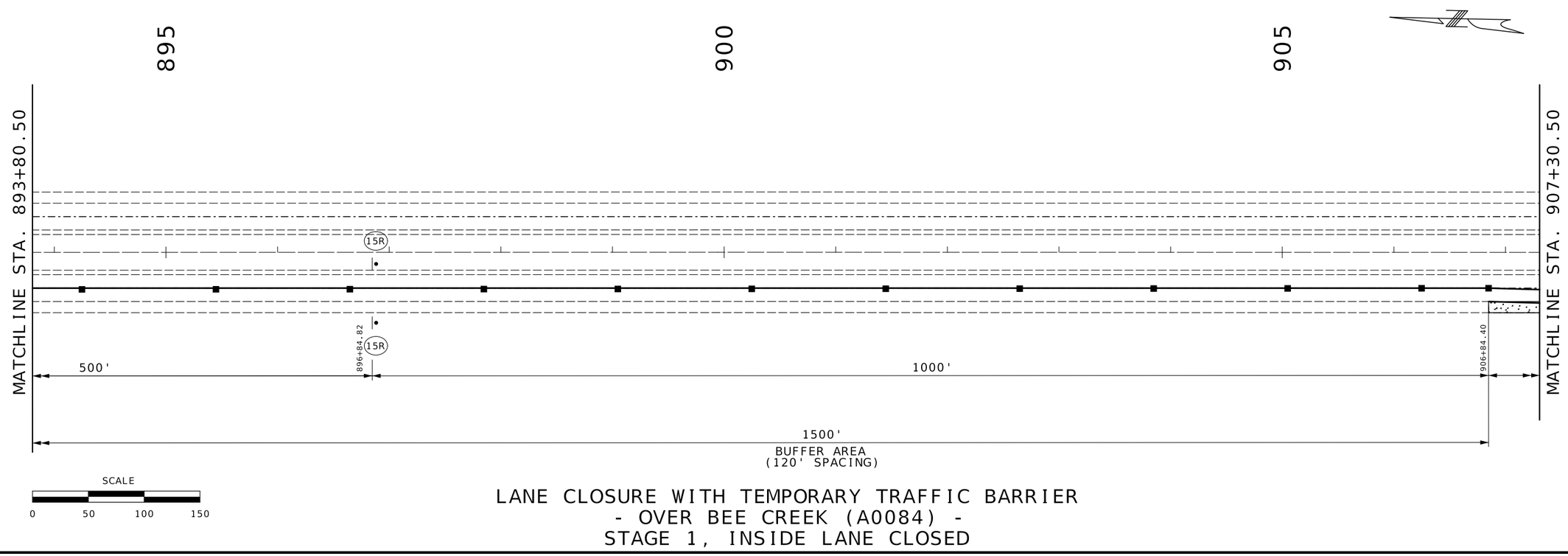
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN

SHEET 14 OF 22





LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER
- OVER BEE CREEK (A0084) -
STAGE 1, INSIDE LANE CLOSED

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:56:31 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	8/1/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	27
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

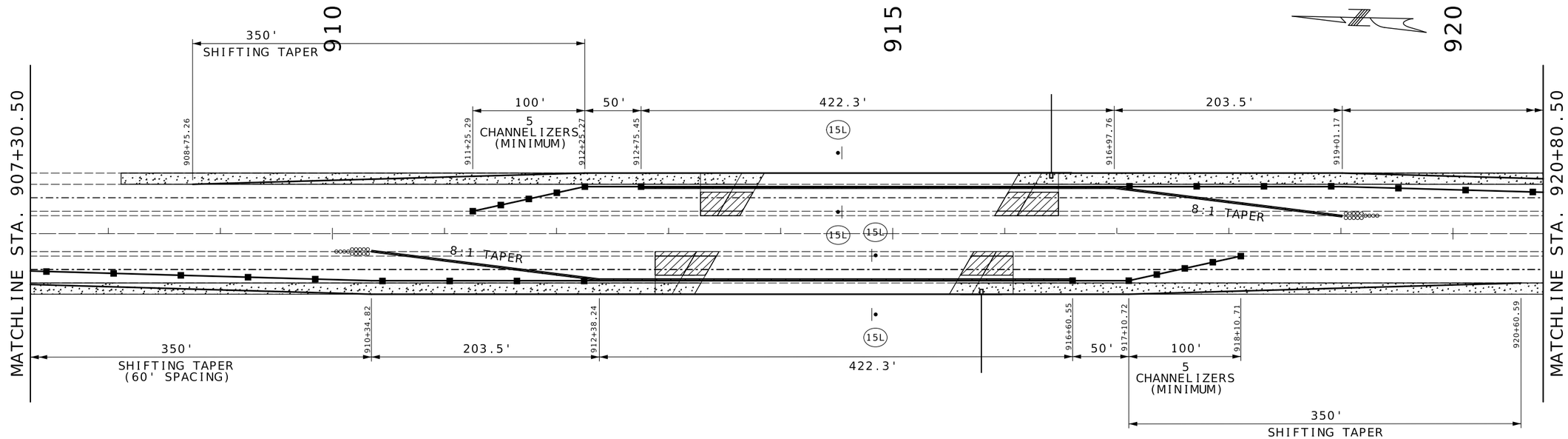
DATE	DESCRIPTION

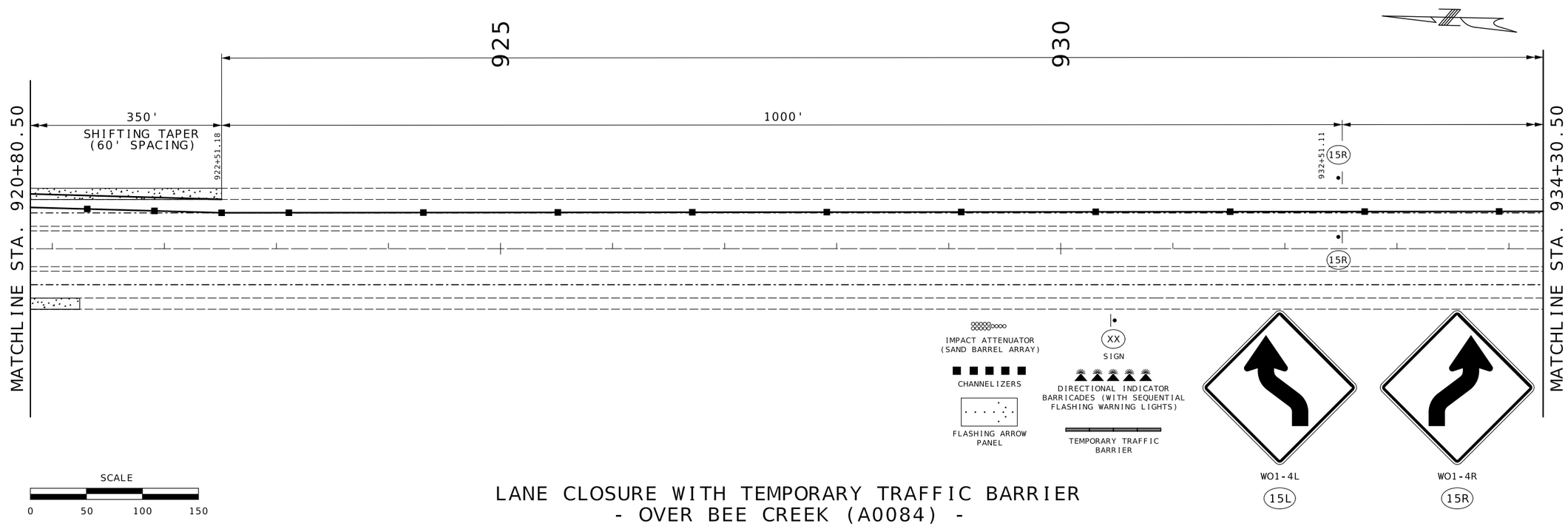
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN

SHEET 15 OF 22





LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER
- OVER BEE CREEK (A0084) -
STAGE 1, INSIDE LANE CLOSED

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:57:01 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	8/1/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	28
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

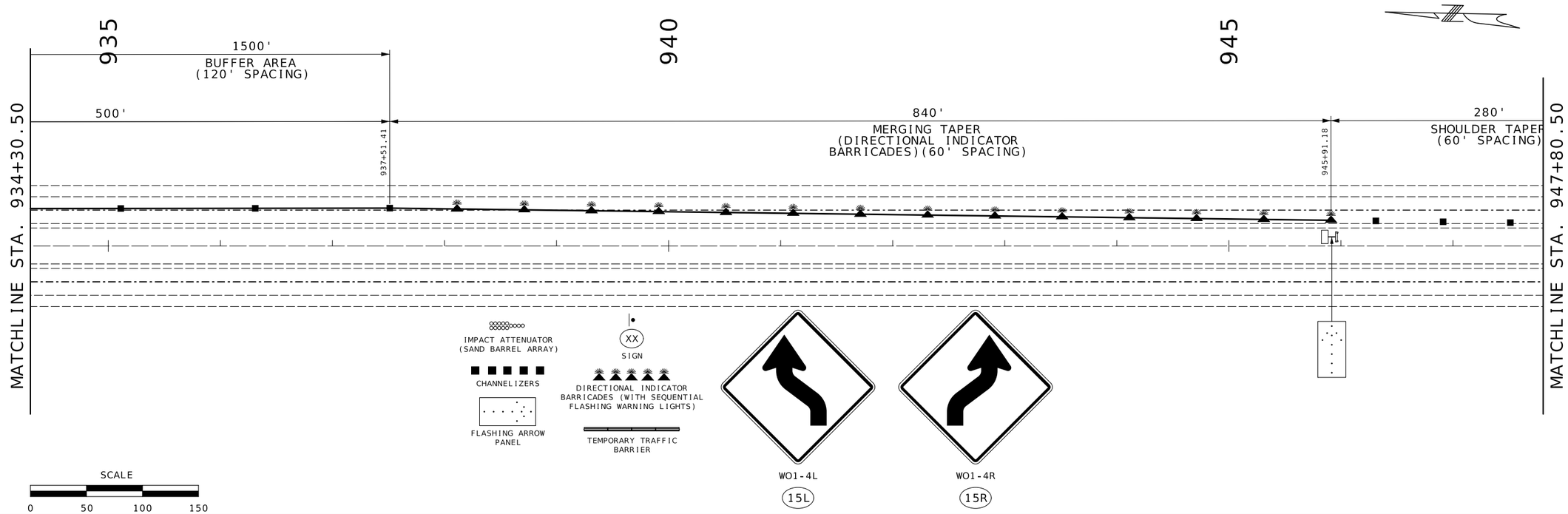
DATE	DESCRIPTION

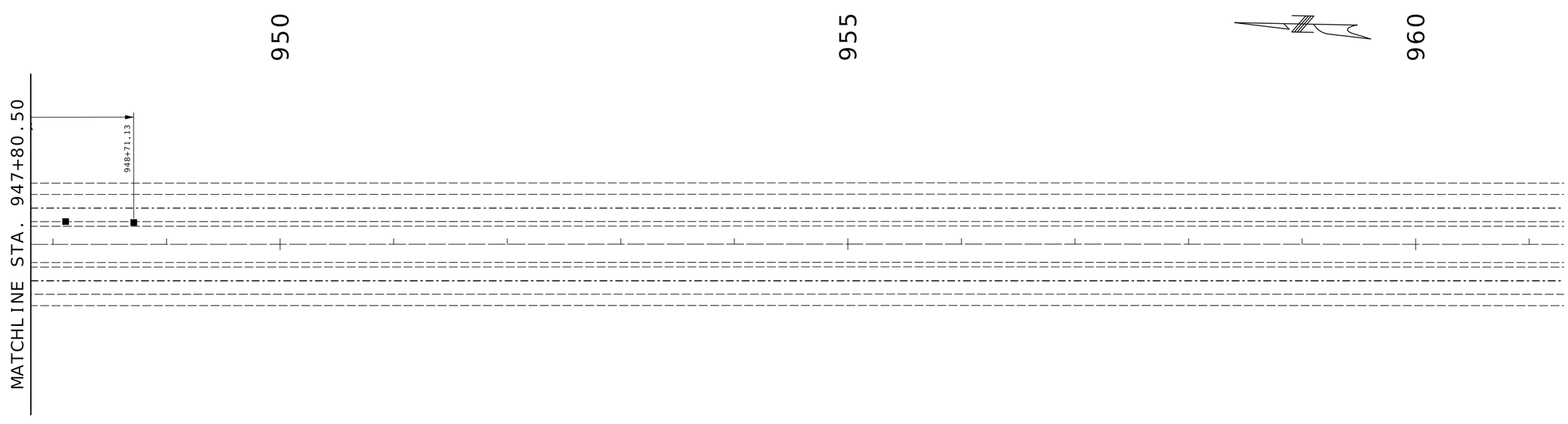
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN

SHEET 16 OF 22





LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER
- OVER BEE CREEK (A0084) -
STAGE 1, INSIDE LANE CLOSED

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:57:31 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	
8/1/2025	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	29
COUNTY	
BUCHANAN	
JOB NO.	
JNW0051	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

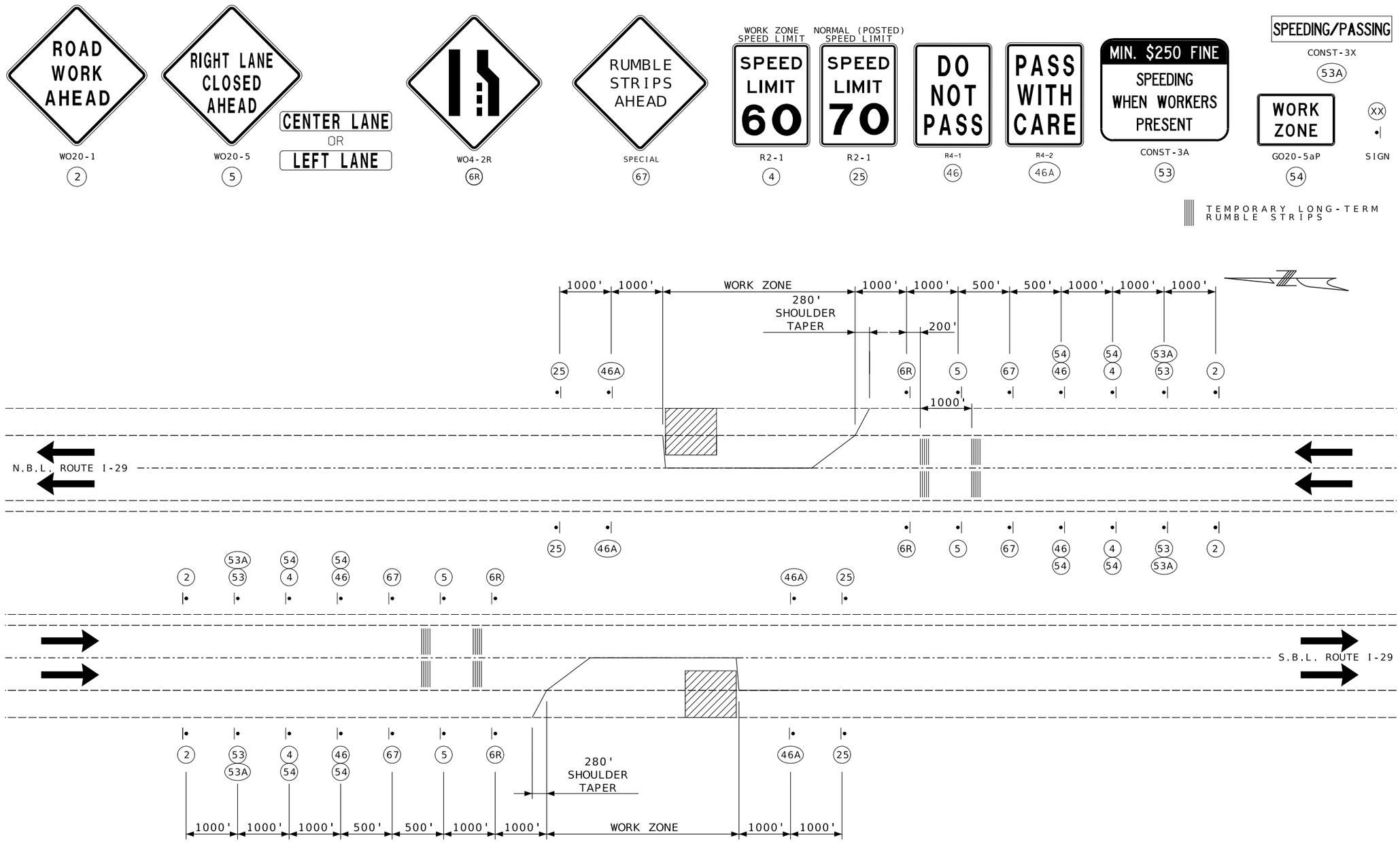
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN

SHEET 17 OF 22



NOT TO SCALE

WORK ON OUTSIDE LANE - STAGE 2 OVER BEE CREEK
- ADVANCE WARNING AND TERMINATION AREA SIGNING

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/04/2025 11:21:08 AM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	8/4/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	30
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

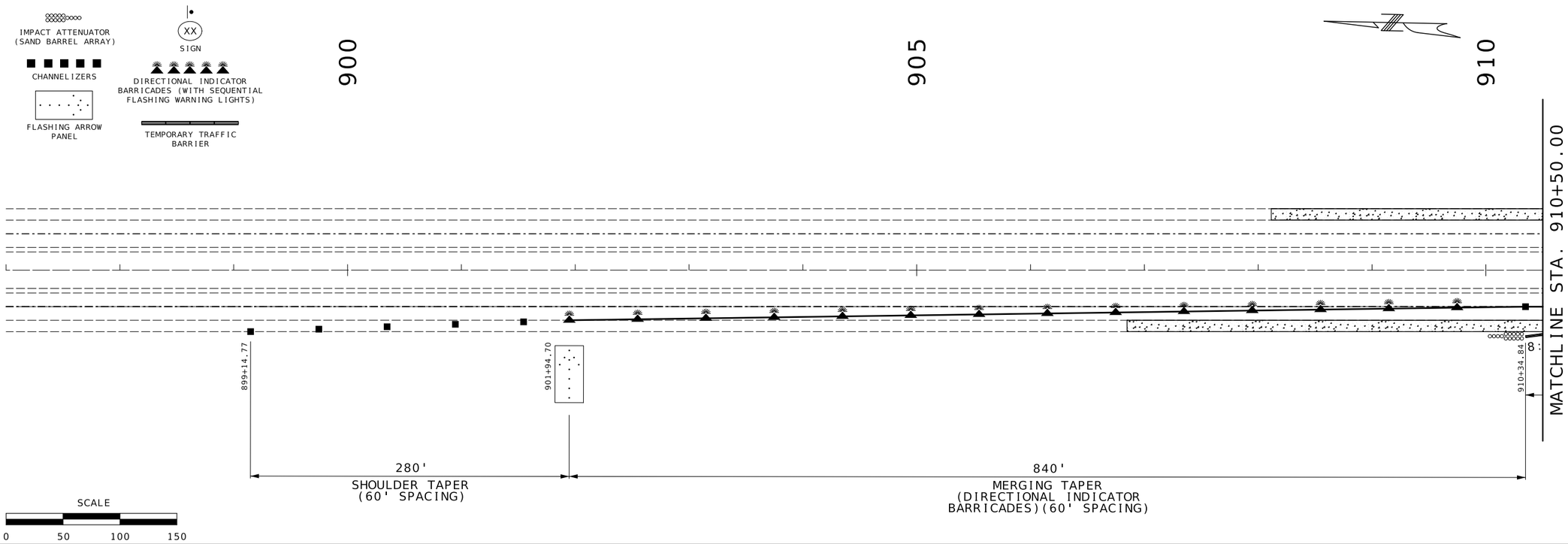
DATE

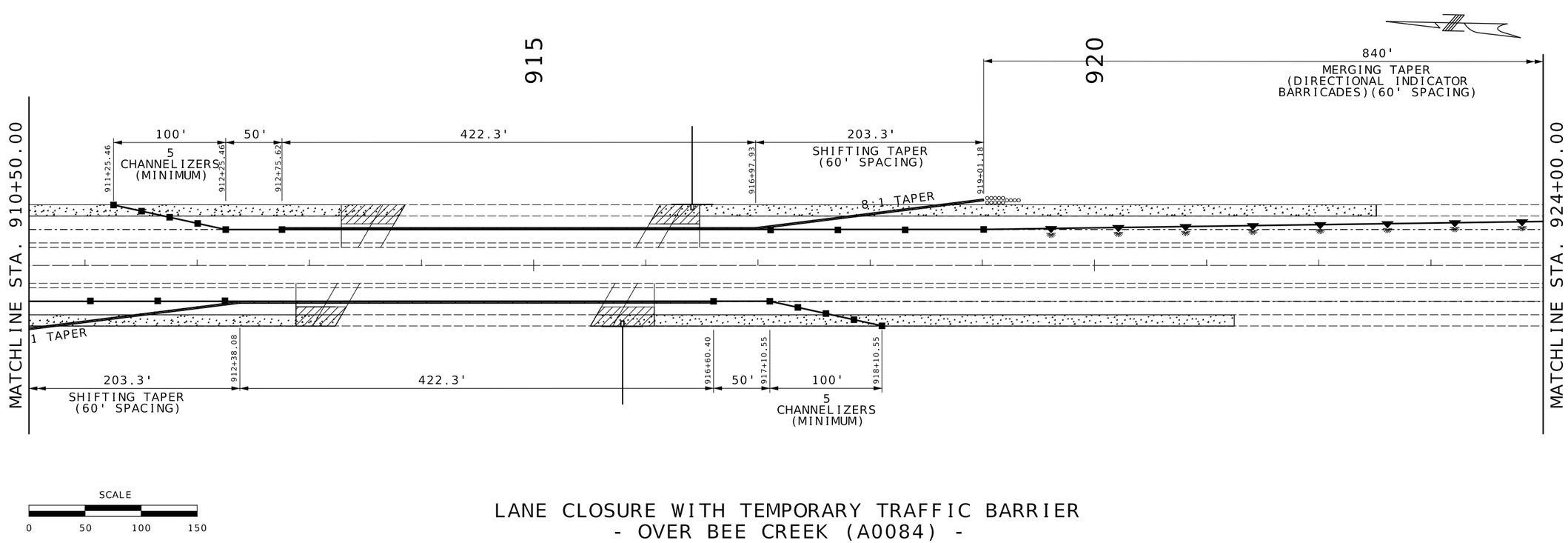
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN

SHEET 18 OF 22





LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER
- OVER BEE CREEK (A0084) -
STAGE 2, OUTSIDE LANE CLOSED

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:58:25 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	
8/1/2025	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	31
COUNTY	
BUCHANAN	
JOB NO.	
JNW0051	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

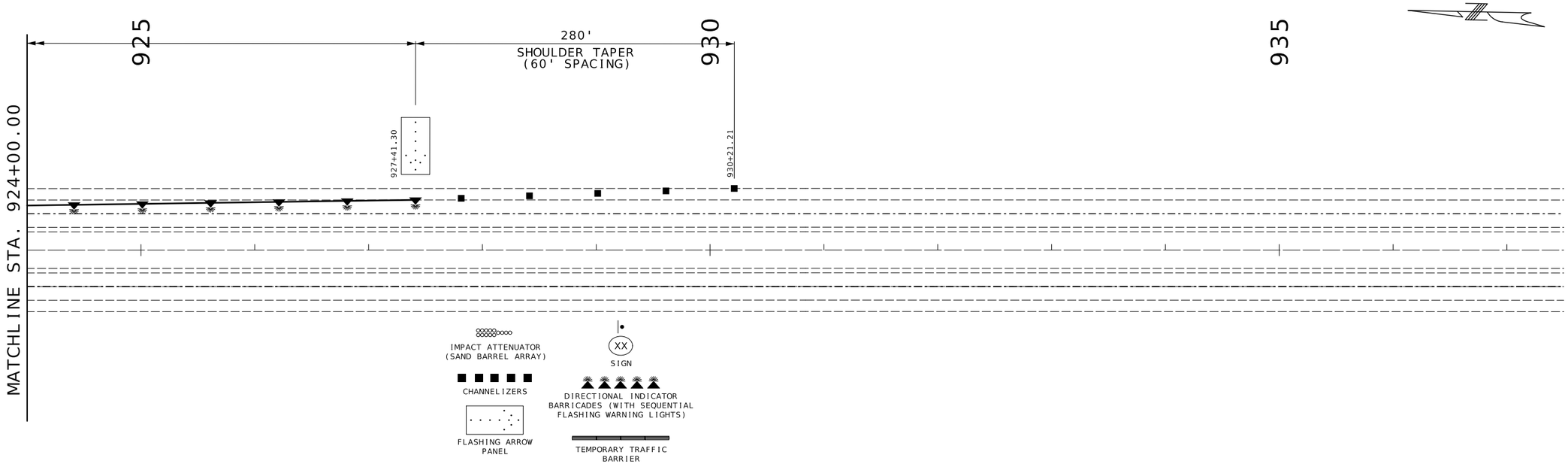
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN

SHEET 19 OF 22



SCALE

0 50 100 150

LANE CLOSURE WITH TEMPORARY TRAFFIC BARRIER
- OVER BEE CREEK (A0084) -
STAGE 2, OUTSIDE LANE CLOSED

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER
PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:58:56 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	
8/1/2025	
ROUTE	STATE
I-29	MO
DISTRICT	SHEET NO.
NW	32
COUNTY	
BUCHANAN	
JOB NO.	
JNW0051	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

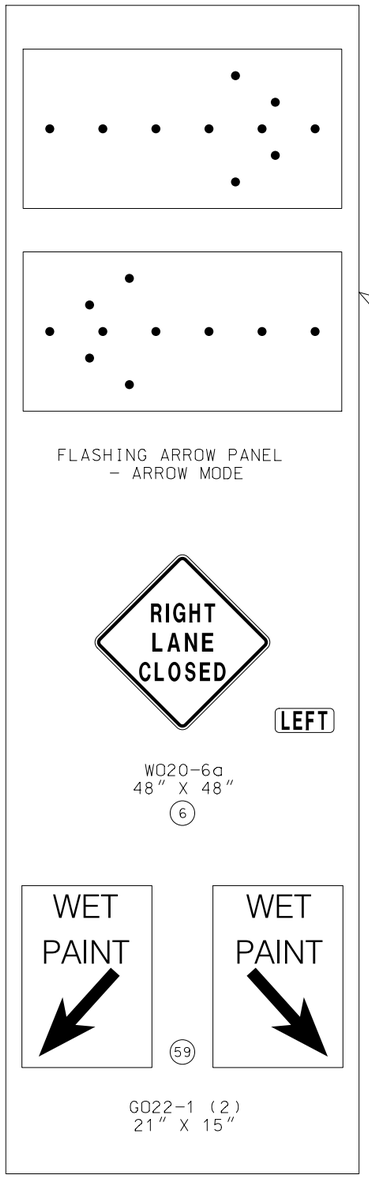
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

TRAFFIC CONTROL PLAN

SHEET 20 OF 22



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

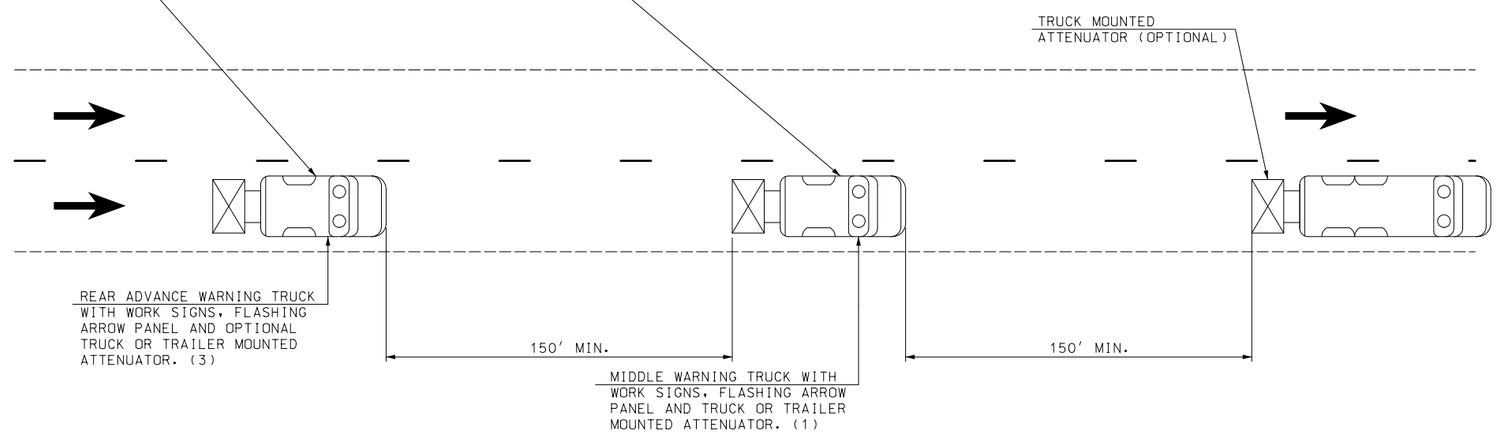
PROTECTIVE TRUCK AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

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

(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.



PAVEMENT MARKING MOVING OPERATION ON DIVIDED HIGHWAY OPEN TO TRAFFIC

NOT TO SCALE

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 3:59:26 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

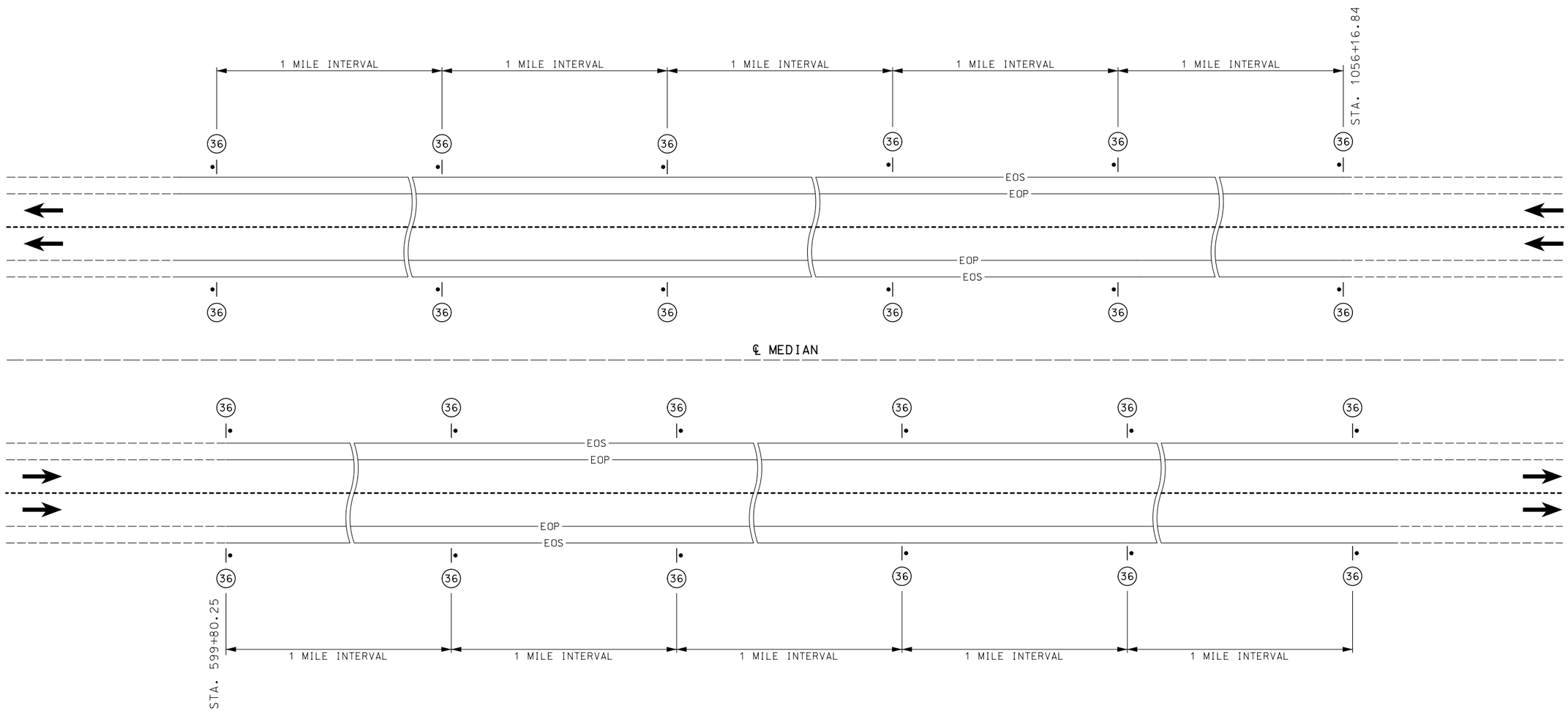
DATE PREPARED	8/1/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	33
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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

TRAFFIC CONTROL PLAN

SHEET 21 OF 22



NOTES:

SIGN 36 SHALL BE POST MOUNTED AND IN ACCORDANCE WITH STANDARD PLANS 616.10 & 909.03.

SIGN 36 SHALL BE VISIBLE TO TRAFFIC ONLY WHEN AND WHERE CONDITIONS EXIST.

MILLING AND RESURFACING OPERATION SHALL BE DONE DURING NIGHT HOURS, SEE WORK ZONE TRAFFIC MANAGEMENT JOB SPECIAL PROVISION. IN ANY GIVEN NIGHT HOURS OPERATION, CONTRACTOR IS TO RESURFACE WHAT IS MILLED, AND THEN HAVE THE LANE OPEN BY THE END OF THE NIGHT HOURS. IF CONTRACTOR IS UNABLE TO RESURFACE ENTIRE MILLED PORTION, THEN AT NO DIRECT PAY THE CONTRACTOR IS TO PROVIDE PAVEMENT EDGE TREATMENT IN ACCORDANCE WITH STANDARD PLANS 619.10 PRIOR TO OPENING THE LANE.

NOT TO SCALE

UNEVEN LANES SIGNING

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER
08/01/2025 4:02:38 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

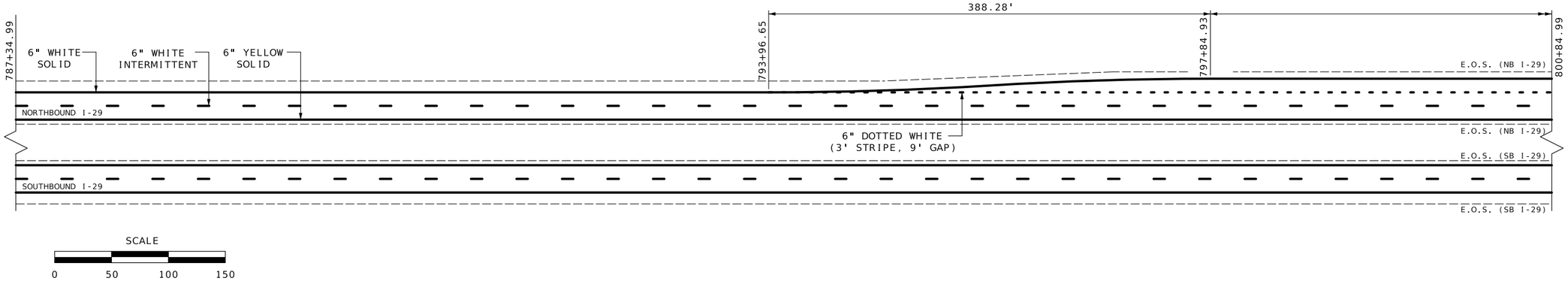
DATE PREPARED	8/1/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	34
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

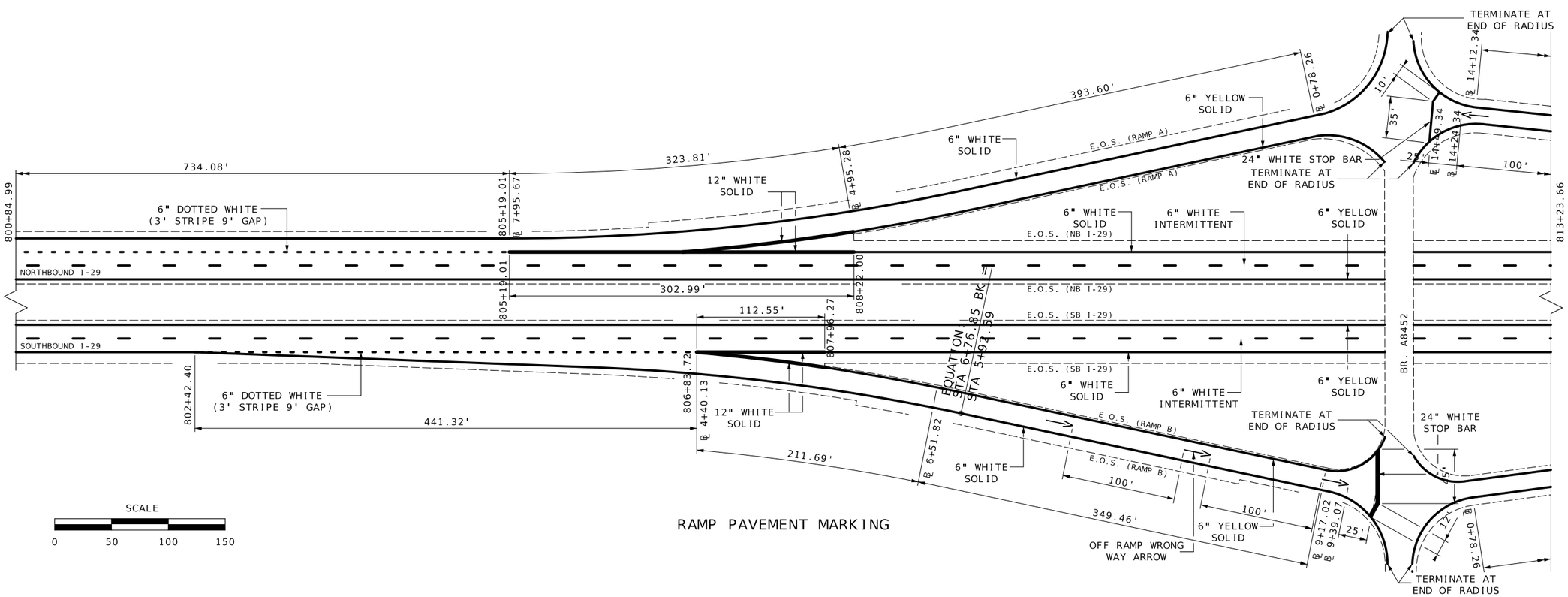
DATE	DESCRIPTION

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

TRAFFIC CONTROL PLAN

SHEET 22 OF 22





RAMP PAVEMENT MARKING

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 4:03:07 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	7/28/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	35
COUNTY	BUCHANAN
JOB NO.	JNW0051
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

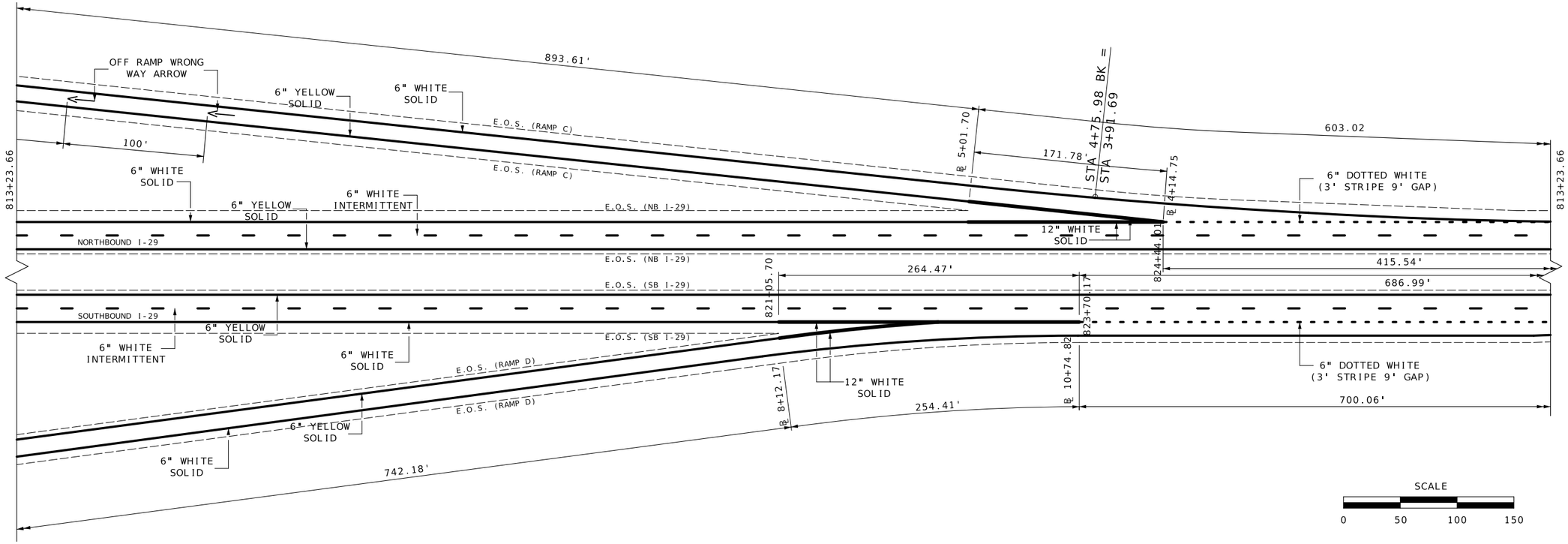
DATE	DESCRIPTION

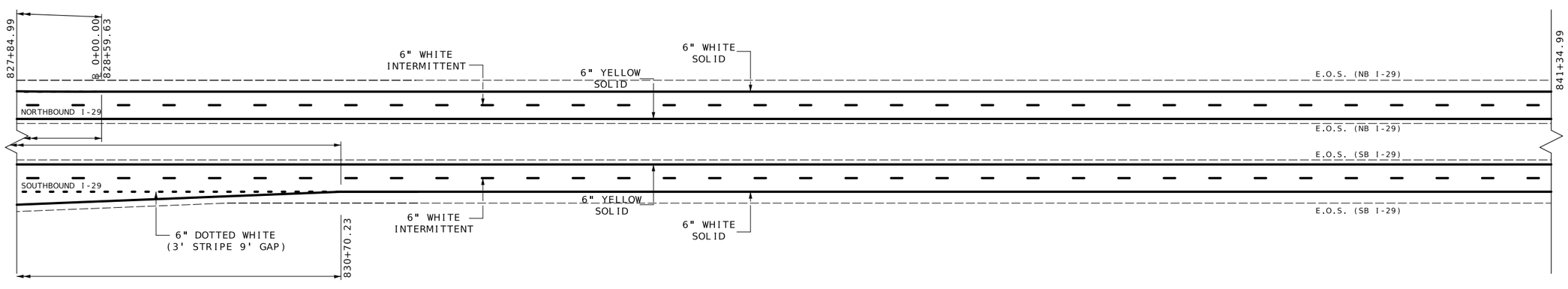
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

PAVEMENT MARKING

SHEET 1 OF 2





SCALE

0 50 100 150

RAMP PAVEMENT MARKING

STATE OF MISSOURI
BRIAN M. ROSENTHAL
NUMBER PE-2005022151
PROFESSIONAL ENGINEER

Brian M. Rosenthal
08/01/2025 4:03:36 PM
BRIAN M. ROSENTHAL - CIVIL
MO-PE-2005022151

DATE PREPARED	7/28/2025
ROUTE	I-29
STATE	MO
DISTRICT	NW
SHEET NO.	36
COUNTY	BUCHANAN
JOB NO.	JNW0051
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

SHEET 2 OF 2