

DESIGN DESIGNATION
 A.A.D.T. - 2026 = 30,100
 A.A.D.T. - 2046 = 33,110
 D.H.V. = 8.6%
 T = 7.8%
 V = 40-45 M.P.H.
 D = 52%/48%

FUNCTIONAL CLASSIFICATION-PRINCIPAL ARTERIAL

NO ADDITIONAL
 RIGHT-OF-WAY
 WILL BE AQUIRED
 FOR THIS PROJECT

**STORMWATER
 MANAGEMENT NOTE
 (FOR INFORMATION ONLY)**

PROJECT DISTURBANCE = 0 ACRES
 PROJECT RUNOFF DIFFERENTIAL = 0 CFS
 PROJECT IMPERVIOUS DIFFERENTIAL = 0 ACRES

ANY FUTURE LAND DISTURBANCE AND/OR INCREASE IN IMPERVIOUS AREA ON THIS SITE MAY REQUIRE ADDITIONAL STORMWATER MANAGEMENT PER MSD REGULATIONS IN PLACE AT THAT TIME (INCLUDING TOTAL LAND DISTURBANCE AND/OR IMPERVIOUSNESS ADDED ON THIS PLAN.) DETENTION FOR ANY FUTURE DEVELOPMENT SHALL INCLUDE THESE IMPROVEMENTS AS WELL.

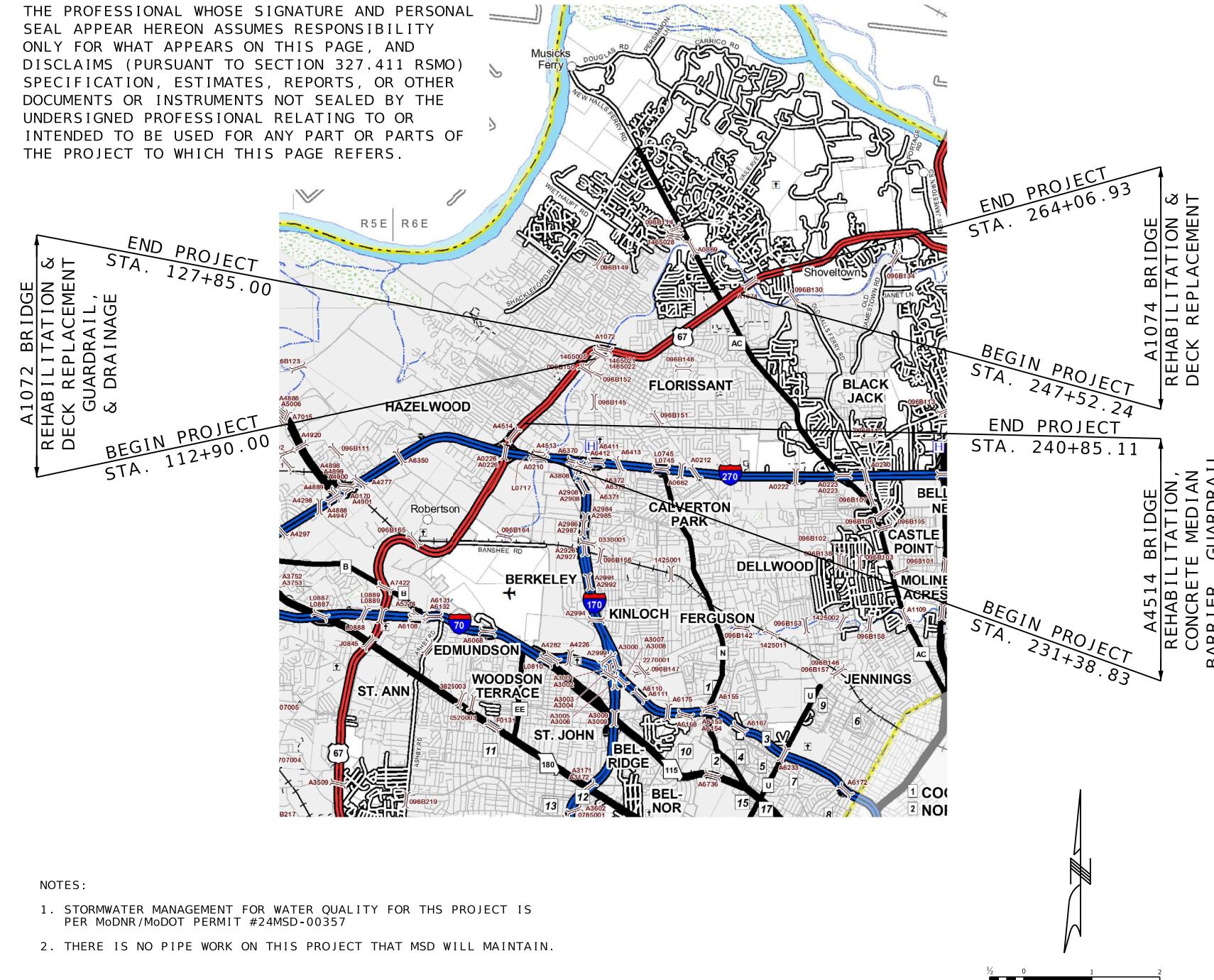
**CONVENTIONAL SYMBOLS
 (USED IN PLANS)**

	EXISTING	NEW
BUILDINGS AND STRUCTURES	□	□
GUARD RAIL	○○○○	●●●●
GUARD CABLE	○○○○	●●●●
CONCRETE RIGHT-OF-WAY MARKER	△△△△	△△△△
STEEL RIGHT-OF-WAY MARKER	△△△△	△△△△
LOCATION SURVEY MARKER	○○○○	○○○○
UTILITIES		
FIBER OPTICS	- FO -	- FO -
OVERHEAD CABLE TV	- OTV -	- OTV -
UNDERGROUND CABLE TV	- UTV -	- UTV -
OVERHEAD TELEPHONE	- OT -	- OT -
UNDERGROUND TELEPHONE	- UT -	- UT -
OVERHEAD POWER	- OE -	- OE -
UNDERGROUND POWER	- UE -	- UE -
SANITARY SEWER	- S -	- S -
STORM SEWER	- SS -	- SS -
GAS	- G -	- G -
WATER	- W -	- W -
MANHOLE	○	○
FIRE HYDRANT	○	○
WATER VALVE	○	○
WATER METER	○	○
DROP INLET	○	○
DITCH BLOCK	○	○
GROUND MOUNTED SIGN	○	○
LIGHT POLE	○	○
H-FRAME POWER POLE	○	○
TELEPHONE PEDESTAL	○	○
FENCE	— V —	— X —
CHAIN LINK	— V —	— X —
WOVEN WIRE	— V —	— X —
GATE POST	— V —	— X —
BENCHMARK	○	○
DO NOT DISTURB	○	○
REMOVE	○	○
TO BE REMOVED AND REPLACED	(TBR&R)	(TBR&R)
TO BE REMOVED BY OTHERS	(TBR&O)	(TBR&O)
TO BE REMOVED AND RELOCATED BY OTHERS	(TBR&R&O)	(TBR&R&O)
USE IN PLACE	(UIP)	(UIP)
NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES		

**MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 PLANS FOR PROPOSED
 STATE HIGHWAY**

ST. LOUIS COUNTY

DISCLAIMER
 THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.



NOTES:

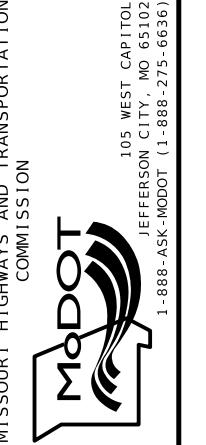
1. STORMWATER MANAGEMENT FOR WATER QUALITY FOR THIS PROJECT IS PER MoDNR/MoDOT PERMIT #24MSD-00357
2. THERE IS NO PIPE WORK ON THIS PROJECT THAT MSD WILL MAINTAIN.

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

INDEX OF SHEETS

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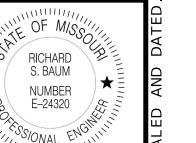
ROUTE	STATE
67	MO
DISTRICT	SHEET NO.
SL	1
COUNTY	ST. LOUIS
JOB NO.	J6S3669
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



11/05/2024 3:03:14 PM
 Richard S. Baum
 MO PE E-24320

NOTES:

1. THE TYPE A INTEGRAL CURB & TYPE 5 AGGREGATE BASE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONCRETE APPROACH PAVEMENT.
2. THE TYPE A INTEGRAL CURB SHALL NOT BE CONSTRUCTED WITHIN THE LIMITS OF THE CONCRETE PAD FOR THE TYPE D CRASHWORTHY END TERMINAL.



Richard S. Baum
MO PE E-24320

09/26/2024 5:04:23 PM

DATE PREPARED

23-SEP-2024

ROUTE 67 STATE MO

DISTRICT SL SHEET NO. 2

COUNTY ST. LOUIS

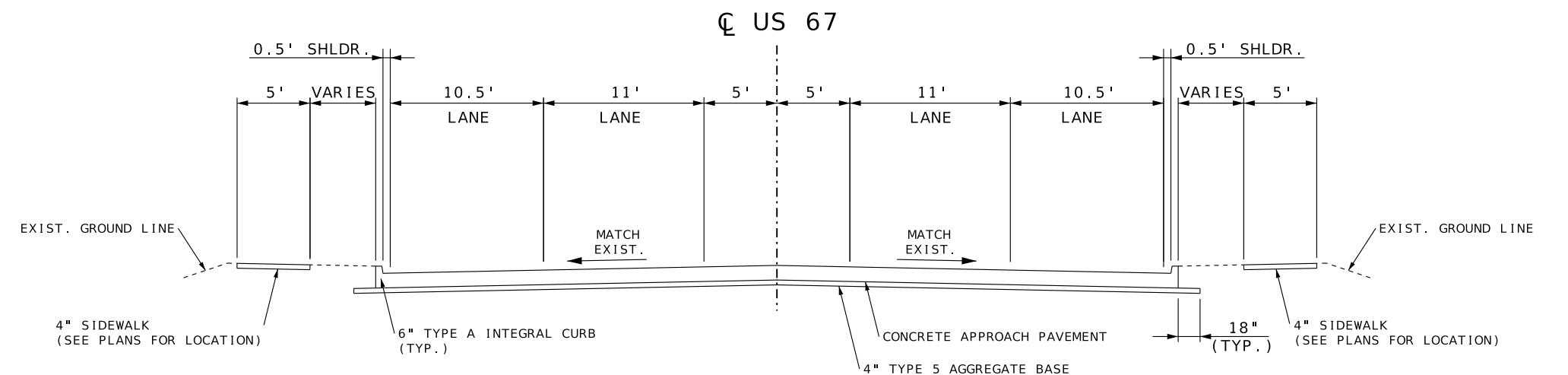
JOB NO. J6S3669

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



SECTION ON TANGENT TYPICAL SECTION US 67

STA. 116+93.11 TO STA. 117+20.70
STA. 120+02.69 TO STA. 120+30.28

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

DATE

DESCRIPTION



09/27/2024 4:39:15 AM
John E. Klein
MO PE-2009030035

DATE PREPARED

9/25/2024

ROUTE STATE

67 MO

DISTRICT SHEET NO.

SL 2

COUNTY

ST. LOUIS

JOB NO.

J6S3669

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

REMOVAL OF IMPROVEMENTS								
PLAN SHEET NO.	STATION	STATION	LOC.	ROADWAY	LF	SY	EACH	DESCRIPTION
4-5	113+09	116+40	LT/RT CL	RTE 67		395		CONCRETE MEDIAN STRIP (A1072)
4	113+13		RT CL	RTE 67		1		KEEP RIGHT SIGN (A1072)
4	113+91		RT CL	RTE 67		1		ONE-WAY SIGN (A1072)
5	115+14		LT CL	RTE 67		1		ONE-WAY SIGN (A1072)
5	116+11	117+26	RT CL	RTE 67	114			CURB (A1072)
5	116+36		LT/RT CL	RTE 67		1		KEEP RIGHT SIGN (A1072)
5-6	116+62	120+28	RT CL	RTE 67	332			GUARDRAIL (A1072)
5	116+64		RT CL	RTE 67		1		WEIGHT LIMIT 65 TONS SIGN
5	116+66	117+26	RT CL	RTE 67		33		SIDEWALK (A1072)
5	116+77	117+54	LT CL	RTE 67	84			CURB (A1072)
5	116+78	117+56	LT CL	RTE 67		42		SIDEWALK (A1072)
5	116+93	117+40	LT/RT CL	RTE 67		304		PAVEMENT (A1072)
5-6	116+97	120+59	LT CL	RTE 67	330			GUARDRAIL (A1072)
5-6	119+38	120+37	RT CL	RTE 67	75			CURB & GUTTER (A1072)
6	119+46	120+34	RT CL	RTE 67		28		SIDEWALK (A1072)
5-6	119+51	121+30	LT/RT CL	RTE 67		420		PAVEMENT (A1072)
6	119+64	120+72	LT CL	RTE 67	81			CURB & GUTTER (A1072)
6	120+07	120+20	LT CL	RTE 67	15			12" CULVERT (A1072)
6	120+09	120+71	LT CL	RTE 67		30		SIDEWALK (A1072)
6	120+20		RT CL	RTE 67		1		INLET (A1072)
6	120+20		LT CL	RTE 67		1		INLET (A1072)
6	120+21		LT/RT CL	RTE 67	50			12" CULVERT (A1072)
6	120+80	120+97	RT CL	RTE 67	17			CURB & GUTTER (A1072)
6	121+21	121+39	LT CL	RTE 67		10		SIDEWALK (A1072)
6	121+30	121+37	LT CL	RTE 67	7			CURB & GUTTER (A1072)
7	249+02.78	249+62.91	LT/RT CL	RTE 67		29.8		EX. RAISED CONCRETE ISLAND (A1074)
7	249+04.11		3' RT	RTE 67		1		EX. KEEP RIGHT SIGN + POST (A1074)
7	249+37.10	250+65.90	26' RT	RTE 67		105.4		EX. SHOULDER PAVEMENT (A1074)
7	249+37.10	250+65.90	RT	RTE 67	138.4			SAW CUT (A1074)
7	249+37.10	251+00.90	34' RT	RTE 67		36.5		EX. SHOULDER PAVEMENT (A1074)
7	249+59.63		4' LT	RTE 67		1		EX. KEEP RIGHT SIGN + POST (A1074)
7	250+56.19	251+04.20	37' LT	RTE 67	48			EX. GUARDRAIL (A1074)
7	250+65.90		LT/RT CL	RTE 67	121			SAW CUT (A1074)
7	250+65.90	251+00.90	LT/RT CL	RTE 67		257.7		EX. PAVEMENT (A1074)
7	250+85.33	251+04.33	36' RT	RTE 67	19			EX. GUARDRAIL (A1074)
8	253+18.70	253+33.70	37' LT	RTE 67	15			EX. GUARDRAIL (A1074)
8	253+18.89	253+33.89	36' LT	RTE 67	15			EX. GUARDRAIL (A1074)
8	253+58.23		LT/RT CL	RTE 67	102			SAW CUT (A1074)
8	253+23.23	253+58.23	LT/RT CL	RTE 67		261.1		EX. PAVEMENT (A1074)
8	253+58.23	255+74.93	27.2' LT	RTE 67		206.2		EX. SHOULDER PAVEMENT (A1074)
8	253+58.23	255+74.93	LT	RTE 67	226.1			SAW CUT (A1074)
8	253+23.23	254+78.89	34.5' LT	RTE 67		13.6		EX. SHOULDER PAVEMENT (A1074)
8	253+58.23	255+98.14	26.3' RT	RTE 67		161.0		EX. SHOULDER PAVEMENT (A1074)
8	253+58.23	255+98.14	RT	RTE 67	248.8			SAW CUT (A1074)
8	253+23.23	255+98.14	32.5' RT	RTE 67		76.0		EX. SHOULDER PAVEMENT (A1074)
8	254+61.50	256+65.43	LT/RT CL	RTE 67		158.3		EX. RAISED CONCRETE ISLAND (A1074)
8	254+65.38		1' LT	RTE 67		1		EX. KEEP RIGHT SIGN + POST (A1074)
8	256+62.34		0.5' RT	RTE 67		1		EX. KEEP RIGHT SIGN + POST (A1074)
9	233+03.19	234+85.20	RT	RTE 67		81		TYPE A2 SHOULDER (A4514)
9	233+03.19	234+85.20	RT	RTE 67	182			SAWCUT (A4514)
9	233+03.19	234+87.55	RT	RTE 67		266.5		TEMPORARY OPTIONAL PAVEMENT (A4514)
9	232+93.23	233+61.29	LT	RTE 67	68			SAWCUT (A4514)
9	236+51.68	236+92.99	RT/LT CL	RTE 67		375		EX. PAVEMENT (A4514)
9	238+74.30	239+23.09	RT/LT CL	RTE 67		375		EX. PAVEMENT (A4514)
9	232+52.17	234+42.96	0' RT	RTE 67	191			TYPE A BARRIER (A4514)
9	234+87.53		LT/RT CL	RTE 67	75			SAWCUT (A4514)
9	234+87.53	235+32.57	0' RT	RTE 67	45			TYPE A BARRIER (A4514)
9	237+13.90	237+58.95	0' RT	RTE 67	45			TYPE A BARRIER (A4514)
9		237+58.95	LT/RT CL	RTE 67	75			SAWCUT (A4514)
9	237+84.08	238+86.20	0' RT	RTE 67	102			TYPE A BARRIER (A4514)
9	238+86.20	239+99.32	LT/RT CL	RTE 67	113			GUARDRAIL (A4514)
9	240+00.00	240+25.59	LT/RT CL	RTE 67		6		SURFACE-MOUNT DELINEATOR POSTS (A4514)
9	240+25.59	240+85.09	LT/RT CL	RTE 67		53		CONCRETE MEDIAN (A4514)
			PAY TOTAL		1	LUMP SUM		

MOBILIZATION 1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING & STAKING 1 LUMP SUM

TRAFFIC SIGNAL MAINTENANCE & PROGRAMMING 1 LUMP SUM

CONCRETE APPROACH PAVEMENT							
PLAN SHEET NO.	STATION	STATION	LOCATION	ROADWAY	AREA	CONCRETE APPROACH PAVEMENT	REMARKS
						SF	
5	116+93.11	117+20.70	CL	RTE 67	1478.8	164.3	ROADWAY APPROACH PAVEMENT (A1072)
6	119+02.69	120+30.28	CL	RTE 67	1454.1	161.6	ROADWAY APPROACH PAVEMENT (A1072)
7	250+65.90	250+80.90	CL	RTE 67	995.1	110.6	ROADWAY APPROACH PAVEMENT (A1074)
8	253+43.23	253+58.23	CL	RTE 67	1008.4	112.0	ROADWAY APPROACH PAVEMENT (A1074)
9	236+51.68	236+72.99	CL	RTE 67	1869.1	207.7	ROADWAY APPROACH PAVEMENT (A4514)
9	238+94.28	239+23.09	CL	RTE 67	1882.3	209.1	ROADWAY APPROACH PAVEMENT (A4514)
					SUBTOTAL	965.3	
					PAY TOTAL	965.3	

ADJUSTMENTS					
PLAN SHEET NO.	STATION	LOCATION	ROADWAY	PULL BOX	REMARKS
				EACH	
4	113+71	RT	RTE 67	1.0	BRIDGE - A1072
5	116+85	LT	RTE 67		

PLAN SHEET NO.	STATION	STATION	LOCATION	ROADWAY	AREA	CURB RAMP, MEDIAN STRIP, SIDEWALK, PAVEMENT & CURB											
						TYPE 5 AGG. FOR BASE (4" THICK) SY	CONCRETE PAVEMENT (12 IN. NON-REIN.) SY	6 IN. CONCRETE MEDIAN STRIP SY	PAVED APPROACH 8 IN. SY	CONCRETE SIDEWALK, 4 IN. SY	CURB RAMP W/O TRUNCATED DOMES EACH	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S LF	CURB AND GUTTER (TYPE B) LF	CONCRETE TRAFFIC BARRIER, TYPE A LF	REMARKS		
5	113+12	115+98	LT&RT	RTE 67	3003.9			333.8									BRIDGE - A1072
5	116+11.31	116+93.11	RT	RTE 67								80					4" CURB (A1072)
5	116+66	117+07	RT	RTE 67	197.1	21.9				21.9							BIRDGE - A1072
5	116+77	116+78	LT	RTE 67								2					6" CURB (A1072)
5	116+80	116+93	LT	RTE 67								15					4" CURB (A1072)
5	116+83		LT	RTE 67							1						BRIDGE - A1072
5	116+86	117+36	LT	RTE 67	238.1	26.5			26.5								BRIDGE - A1072
6	119+56	120+29	RT	RTE 67	191.1	21.2			21.2								BRIDGE - A1072
6	120+17	120+63	LT	RTE 67	210.9	23.0			23.4								BRIDGE - A1072
6	120+29		RT	RTE 67						1							BRIDGE - A1072
6	120+30.28	120+53	LT	RTE 67	53.3	6.0	6.0										UTILITY PATCH (A1072)
6	120+37	120+37	RT	RTE 67								4					6" CURB (A1072)
6	120+42	120+62	LT	RTE 67							20						4" CURB (A1072)
6	120+53		RT	RTE 67	540.7	60.0		60.1									CURB HEIGHT SHALL BE 4" (30' ADVANCE OF GUARDRAIL) (A1072)
6	120+66		LT	RTE 67						1							BRIDGE - A1072
6	120+80	120+97	RT	RTE 67							17						BRIDGE - A1072
6	120+96		LT	RTE 67	263.8	29.0		29.3									CURB HEIGHT SHALL BE 4" (30' ADVANCE OF GUARDRAIL) (A1072)
6	121+26		LT	RTE 67					1								BRIDGE - A1072
6	121+30	121+39	LT	RTE 67	48.1	5.3			5.3								BRIDGE - A1072
6	121+30	121+37	LT	RTE 67							7						BRIDGE - A1072
9	232+52.17	234+42.96	RT	RTE 67								191					BRIDGE - A4514
9	234+87.53	235+12.59	RT	RTE 67								25					BRIDGE - A4514
9	237+33.89	237+58.95	RT	RTE 67								25					BRIDGE - A4514
9	237+84.08	239+83.92	RT	RTE 67								200					BRIDGE - A4514
9	240+25.59	240+85.09	LT&RT	RTE 67	472.1		52.5										BRIDGE - A4514
SUBTOTAL						192.9	6.0	386.3	89.4	98.3	4.0	121.0	24.0	441.0			
PAY TOTAL						193	6.0	386.3	89.4	98.3	4	121	24	441			

STATE OF MISSOURI
PROFESSIONAL ENGINEER
JASON S. DOHRMANN
PE-2004017159

09/30/2024 9:34:13 AM
Jason S. Dohrmann
PE-2004017159

DATE PREPARED
9/30/2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 3
COUNTY ST. LOUIS

JOB NO. J6S3669
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

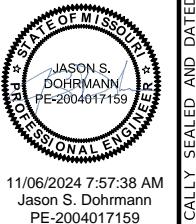
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

GUARDRAIL											
PLAN SHEET NO.	STATION	STATION	LOCATION	ROADWAY	AREA	MGS BRIDGE APPROACH TRANSITION SECTION (EXTENDED CURB) EACH	TYPE A CRASHWORTHY END TERMINAL (MASH) (TL-2) EACH	TYPE D CRASHWORTHY END TERMINAL (MASH) (TL-3) EACH	TYPE C CRASHWORTHY END TERMINAL (MASH) EACH	REMARKS	
5	116+57.81	117+08.42	RT	RTE 67		1	1			BRIDGE - A1072	
5	117+33.41		LT	RTE 67				1		INCLUDES CONCRETE PAD & PEDESTRIAN TRANSITION (A1072)	
6	119+58.05		RT	RTE 67				1		INCLUDES CONCRETE PAD & PEDESTRIAN TRANSITION (A1072)	
6	120+15.90		LT	RTE 67				1		INCLUDES CONCRETE PAD & PEDESTRIAN TRANSITION (A1072)	
9	239+83.82		LT/RT CL	RTE 67				1		BRIDGE - A4514	
SUBTOTAL						1.0	1.0	3.0	1.0		
PAY TOTAL						1	1	3	1		

EMBANKMENT IN PLACE											
PLAN SHEET NO.	STATION	STATION	LOCATION	ROADWAY	AREA	EMBANKMENT IN PLACE	REMARKS				
						CY					
7	250+84.28	250+97.78	RT	RTE 67	135.0	5.0	LOCATION TO BE DETERMINED BY THE ENGINEER - 1' APPROX. DEPTH (A1074)				
8	253+26.18	253+39.68	LT	RTE 67	135.0	5.0	LOCATION TO BE DETERMINED BY THE ENGINEER - 1' APPROX. DEPTH (A1074)				
8	253+26.17	253+39.67	RT	RTE 67	135.0	5.0	LOCATION TO BE DETERMINED BY THE ENGINEER - 1' APPROX. DEPTH (A1074)				
SUBTOTAL						15.0					
PAY TOTAL						15					

CURB REFLECTORS & DELINEATOR POSTS												
PLAN SHEET NO.	STATION	STATION	LOCATION	ROADWAY	AREA	CURB REFLECTORS EACH	36 IN. SURFACE-MOUNT DELINEATOR POST	REMARKS				

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11/06/2024 7:57:38 AM
Jason S. Dohrmann
PE-2004017159

DATE PREPARED
11/6/2024

ROUTE STATE
67 MO

DISTRICT SHEET NO.
SL 3

COUNTY
ST. LOUIS

JOB NO.
J6S3669

CONTRACT ID.

PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

TYPE 2 ROCK BLANKET									
PLAN SHEET NO.	STATION	STATION	LOCATION	ROADWAY	AREA	SF	PLACING TYPE 2 ROCK BLANKET	FURNISHING TYPE 2 ROCK BLANKET	REMARKS
							CY	CY	
5	117+45		LT/RT	RTE 67	270		20.0	20.0	LOCATION TO BE DETERMINED BY THE ENGINEER (A1072)
5	119+45		LT/RT	RTE 67	67.5		5.0	5.0	LOCATION TO BE DETERMINED BY THE ENGINEER (A1072)
7	251+07.53	251+61.53	LT/RT	RTE 67	5400.0		400.0	400.0	LOCATION TO BE DETERMINED BY THE ENGINEER (A1074)
8	252+89.60	253+16.60	LT/RT	RTE 67	2700.0		200.0	200.0	LOCATION TO BE DETERMINED BY THE ENGINEER (A1074)
					SUBTOTAL		625.0	625.0	
					PAY TOTAL		625	625	

INTELLIGENT TRANSPORTATION SYSTEM (ITS)								
PLAN SHEET NO.	STATION	STATION	LOCATION	ROADWAY	MODOT ITS ASSET RELOCATION	REMARKS		
						LF		
5	117+30.00	119+60.00	LT	RTE 67	230.0		LOCATION TO BE DETERMINED BY THE ENGINEER (A1072)	
					SUBTOTAL	230.0		
					PAY TOTAL	230		

ASPHALT PAVING								
PLAN SHEET NO.	LOCATION	ROADWAY	AREA	ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125CLP MIX)	TACK COAT	REMARKS		
SF	TON	GAL						

<tbl_r cells="3" ix="3" maxcspan="

PAVEMENT MARKING REMOVALS							
PLAN SHEET NO.	LOCATION	STATION	STATION	ROADWAY	REMOVAL	SYMBOLS	REMARKS
				RTE. 67	1		EXISTING ARROW ON PATTERSON DR.
21	A1072 - STAGE 0			RTE. 67	1		EXISTING ARROW ON PATTERSON DR.
20-21	A1072 - STAGE 1			RTE. 67	41		STAGE 0 TEMP STRIPING
23	A1072 - STAGE 1	114+20	115+75	RTE. 67	155		SOLID YELLOW - EXISTING
23	A1072 - STAGE 1	114+20	116+45	RTE. 67	225		SOLID YELLOW - EXISTING
23-24	A1072 - STAGE 1	114+80	126+00	RTE. 67	294		SKIP-DASH - EXISTING
23	A1072 - STAGE 1	116+25	122+90	RTE. 67	635		SOLID WHITE - EXISTING
23	A1072 - STAGE 1	121+00	122+00	RTE. 67	100		SOLID YELLOW - EXISTING
23	A1072 - STAGE 1	121+40	122+95	RTE. 67	155		SOLID YELLOW - EXISTING
23	A1072 - STAGE 2			RTE. 67	2770		STAGE 1 TEMP STRIPING
26	A1072 - STAGE 2	114+20	116+95	RTE. 67	69		SKIP-DASH - EXISTING
26	A1072 - STAGE 2	115+75	116+95	RTE. 67	120		SOLID YELLOW - EXISTING
26	A1072 - STAGE 2	120+30	121+40	RTE. 67	110		SOLID YELLOW - EXISTING
26	A1072 - STAGE 2	120+30	122+80	RTE. 67	63		SKIP-DASH - EXISTING
26	A1072 - STAGE 2	122+00	122+80	RTE. 67	80		SOLID YELLOW - EXISTING
26	A1072			RTE. 67	2950	4	STAGE 2 TEMP STRIPING
32	A1074 - STAGE 0	247+50	249+50	RTE. 67	50		SKIP-DASH - EXISTING
32	A1074 - STAGE 0	248+25	248+80	RTE. 67	55		SOLID WHITE - EXISTING
34	A1074 - STAGE 1	248+35	250+55	RTE. 67	325		SOLID YELLOW - EXISTING
34-35	A1074 - STAGE 1	249+55	263+30	RTE. 67	344		SKIP-DASH - EXISTING
34	A1074 - STAGE 1	249+55	255+25	RTE. 67	570		SOLID WHITE - EXISTING
34-35	A1074 - STAGE 1	253+70	260+00	RTE. 67	630		SOLID YELLOW - EXISTING
35	A1074 - STAGE 1	259+00	260+80	RTE. 67	180		SOLID YELLOW - EXISTING
34-35	A1074 - STAGE 2			RTE. 67	3995		STAGE 1 TEMP. STRIPING
37	A1074 - STAGE 2	248+25	248+85	RTE. 67	120		SOLID WHITE - 2 EXISTING LANE LINES
37	A1074 - STAGE 2	248+15	250+55	RTE. 67	60		SKIP-DASH - EXISTING
37	A1074 - STAGE 2	249+00	250+55	RTE. 67	155		SOLID WHITE - EXISTING
37	A1074 - STAGE 2	249+80	250+55	RTE. 67	75		SOLID YELLOW - EXISTING
37	A1074 - STAGE 2	253+70	255+50	RTE. 67	180		SOLID YELLOW - EXISTING
37	A1074 - STAGE 2	253+70	255+00	RTE. 67	33		SKIP-DASH - EXISTING
37	A1074 - STAGE 2	253+70	255+90	RTE. 67	220		SOLID WHITE - EXISTING
37	A1074			RTE. 67	3858		STAGE 2 TEMP. STRIPING
43-47	A4514 - STAGE 1			RTE. 67	677		STAGE 1 TEMP. STRIPING
43-47	A4514 - STAGE 1			RTE. 67	2758		STAGE 1 TEMP. STRIPING
43-47	A4514 - STAGE 1			RTE. 67	296		STAGE 1 TEMP. STRIPING
43-47	A4514 - STAGE 1			RTE. 67	110		STAGE 1 TEMP. STRIPING
43-47	A4514 - STAGE 1			RTE. 67	1		STAGE 1 TEMP. STRIPING
48-52	A4514 - STAGE 2			RTE. 67	3922		STAGE 2 TEMP. STRIPING
48-52	A4514 - STAGE 2			RTE. 67	403		STAGE 2 TEMP. STRIPING
48-52	A4514 - STAGE 2			RTE. 67	4023		STAGE 2 TEMP. STRIPING
48-52	A4514 - STAGE 2			RTE. 67	169		STAGE 2 TEMP. STRIPING
48-52	A4514 - STAGE 2			RTE. 67	5		STAGE 2 TEMP. STRIPING
53-57	A4514 - STAGE 3			RTE. 67	3642		STAGE 3 TEMP. STRIPING
53-57	A4514 - STAGE 3			RTE. 67	310		STAGE 3 TEMP. STRIPING
53-57	A4514 - STAGE 3			RTE. 67	3876		STAGE 3 TEMP. STRIPING
53-57	A4514 - STAGE 3			RTE. 67	178		STAGE 3 TEMP. STRIPING
53-57	A4514 - STAGE 3			RTE. 67	5		STAGE 3 TEMP. STRIPING
58-62	A4514 - STAGE 4			RTE. 67	1490		STAGE 4 TEMP. STRIPING
58-62	A4514 - STAGE 4			RTE. 67	674		STAGE 4 TEMP. STRIPING
58-62	A4514 - STAGE 4			RTE. 67	2830		STAGE 4 TEMP. STRIPING
58-62	A4514 - STAGE 4			RTE. 67	110		STAGE 4 TEMP. STRIPING
58-62	A4514 - STAGE 4			RTE. 67	6		STAGE 4 TEMP. STRIPING
							SUBTOTAL 1 44085.0 22.0

PAVEMENT MARKING REMOVALS							
PLAN SHEET NO.	LOCATION	STATION	STATION	ROADWAY	REMOVAL	SYMBOLS	REMARKS
				RTE. 67	1452		SOLID YELLOW - EXISTING
80-81	A4514 - SB	231+00	248+00	RTE. 67	769		SKIP-DASH - EXISTING
80-81	A4514 - SB	231+00	248+00	RTE. 67	800		SOLID WHITE - EXISTING
80-81	A4514 - NB	231+00	248+00	RTE. 67	1158		SOLID YELLOW - EXISTING
80-81	A4514 - NB	231+00	248+00	RTE. 67	1128		SOLID WHITE - EXISTING
80-81	A4514 - NB	231+00	248+00	RTE. 67	579		SOLID WHITE - EXISTING
80-81	A4514 - NB	231+00	248+00	RTE. 67	714		SKIP-DASH - EXISTING
80-81	A4514 - NB	231+00	248+00	RTE. 67	1		EXISTING
80	A4514 - TAYLOR RD				143		SOLID WHITE - EXISTING
80	A4514 - TAYLOR RD				1		EXISTING
80	A4514 - NB RAMP 1			RTE. 67	214		SOLID WHITE - EXISTING
80	A4514 - NB EXIT 1			RTE. 67	75		SOLID YELLOW - EXISTING
80	A4514 - NB EXIT 1			RTE. 67	103		SOLID YELLOW - EXISTING
80	A4514 - NB EXIT 1			RTE. 67	20		DOTTED - EXISTING
80	A4514 - NB EXIT 2			RTE. 67	225		SOLID WHITE - EXISTING
80	A4514 - OLD DUNN RD			RTE. 67	3		EXISTING
80	A4514 - SB RAMP			RTE. 67	2		EXISTING
81	A4514 - SB RAMP			RTE. 67	215		SOLID WHITE - EXISTING
							SUBTOTAL 2 7595.0 7.0
							SUBTOTAL 1 44085.0 22.0
							PAY TOTAL 51680 29

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	DATE	DESCRIPTION
HR GREEN, INC.		
520 MARVILLE CENTRE DRIVE,		
SUITE 100		
ST. LOUIS, MISSOURI 63141		
PHONE: (636) 519-0990		
CORPORATE LICENSE #2002006608		
105 WEST CAPITOL		
JEFFERSON CITY, MO 65102		
1-888-ASK-MODOT (1-888-275-6636)		

STATE OF MISSOURI
PROFESSIONAL ENGINEER
JASON S.
DOHRMANN
PE-2004017159

DATE PREPARED
9/27/2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

HRGreen

SUMMARY OF QUANTITIES
SHEET 4 OF 7

STATE OF MISSOURI
JASON S.
DOHRMANN
PE-2004017159
PROFESSIONAL ENGINEER

09/27/2024 3:49:25 PM
Jason S. Dohrmann
PE-2004017159

DATE PREPARED
9 / 27 / 2024

ROUTE STATE
67 MO

DISTRICT SHEET NO.
SL 3

COUNTY
ST. LOUIS

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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

PLAN SHEET NO.	LOCATION	ROADWAY	TEMPORARY PAVEMENT MARKING												REMARKS	
			TEMPORARY PAVEMENT MARKING PAINT				TEMPORARY REMOVABLE MARKING TAPE									
			WHITE		YELLOW		WHITE		YELLOW							
			SOLID WHITE LF	SKIP-DASH WHITE (10'/30') LF	DOTTED WHITE (3'/9') LF	SOLID YELLOW LF	DOUBLE SOLID YELLOW LF	SOLID WHITE LF	SKIP-DASH WHITE (10'/30') LF	DOTTED WHITE (3'/9') LF	SOLID YELLOW LF	DOUBLE SOLID YELLOW LF				
20-21	A1072 - STAGE 0	RTE. 67			41									4		
23	A1072 - STAGE 1	RTE. 67	788			670	88	612					612			
26	A1072 - STAGE 2	RTE. 67	818			800	108	612					612			
34-35	A1074 - STAGE 1	RTE. 67	1094			595	1034	636					636			
37-38	A1074 - STAGE 2	RTE. 67	919	298		1285		636	80				640			
43-47	A4514 - STAGE 1	RTE. 67	296	566	110	2316			111		442				1	
48-52	A4514 - STAGE 2	RTE. 67	3480	347	169	3581		442	56		442			2	3	
53-57	A4514 - STAGE 3	RTE. 67	3200	254	178	3434		442	56		442			2	3	
58-62	A4514 - STAGE 4	RTE. 67	1269	563	110	2388		221	111		442			2	4	
SUBTOTAL			11864.0	2028.0	608.0	15069.0	1230.0	3601.0	414.0	0.0	1768.0	2500.0	6.0	4.0	11.0	
PAY TOTAL					30799			4015			4268		6	4	11	



PERMANENT PAVEMENT MARKINGS														
PLAN SHEET NO.	STATION	STATION	ROADWAY	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN., WHITE	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN., YELLOW	PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW	PREFORMED THERMOPLASTIC PAVEMENT MARKING, COMBO STR/LT/RT ARROW	6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS LF	6 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS LF	4 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS LF	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS LF	REMARKS	
				LF	LF	EACH	EACH	EACH	1	435	170	1304	1371	BRIDGE - A1072
69	112+90	114+00	PATTERSON RD	RTE 67	34				4					STRAIGHT/LEFT/RIGHT TURN ARROW (A1072)
70	114+00	119+60	RTE 67							1424				BRIDGE - A1072
71	119+60	124+50	RTE 67							1371				BRIDGE - A1072
72	124+50	127+85	RTE 67							1004				BRIDGE - A1072
76	247+49.76	252+01.08	RTE 67							451				SOLID WHITE LINE (A1074)
76	247+49.93	252+01.08	RTE 67							113				INTERMITTENT WHITE LINE (A1074)
76	247+52.24	247+54.24	RTE 67		22									SOLID WHITE LINE (A1074)
76	247+52.24	250+10.82	RTE 67											SOLID YELLOW LINE (A1074)
76	247+52.24	250+10.82	RTE 67											SOLID YELLOW LINE (A1074)
76	247+53.05	249+55.39	RTE 67							203				SOLID WHITE LINE (A1074)
76	247+54.24	248+83.73	RTE 67							130				SOLID WHITE LINE (A1074)
76	247+54.24	248+83.73	RTE 67							128				SOLID WHITE LINE (A1074)
76	247+74.41		RTE 67						1					LEFT TURN ARROW (A1074)
76	248+69.24		RTE 67						1					LEFT TURN ARROW (A1074)
76	248+83.73	252+01.08	RTE 67							80				INTERMITTENT WHITE LINE (A1074)
76	249+79.14	250+10.82	RTE 67							32				SOLID WHITE LINE (A1074)
76	249+93.89		RTE 67						1					LEFT TURN ARROW (A1074)
76	250+34.00	252+01.08	RTE 67								167			SOLID YELLOW LINE (A1074)
76	250+34.00	252+01.08	RTE 67								167			SOLID YELLOW LINE (A1074)
76	250+63.29	252+01.08	RTE 67							138				SOLID WHITE LINE (A1074)
77	252+01.08	256+99.99	RTE 67							501				SOLID WHITE LINE (A1074)
77	252+01.08	256+99.99	RTE 67							125				INTERMITTENT WHITE LINE (A1074)
77	252+01.08	256+99.99	RTE 67								500			SOLID YELLOW LINE (A1074)
77	252+01.08	256+99.99	RTE 67								500			SOLID YELLOW LINE (A1074)
77	252+01.08	256+99.99	RTE 67							125				INTERMITTENT WHITE LINE (A1074)
77	252+01.08	256+99.99	RTE 67							500				SOLID WHITE LINE (A1074)
77	252+01.08	256+99.99	RTE 67							500				INTERMITTENT YELLOW LINE (A1074)
77	256+67.94	256+99.99	RTE 67							8				INTERMITTENT YELLOW LINE (A1074)
77	256+67.94	256+99.99	RTE 67							8				SOLID WHITE LINE (A1074)
78	256+99.99	261+99.99	RTE 67							505				SOLID WHITE LINE (A1074)
78	256+99.99	261+99.99	RTE 67							126				INTERMITTENT WHITE LINE (A1074)
78	256+99.99	261+99.99	RTE 67								501			SOLID YELLOW LINE (A1074)
78	256+99.99	261+99.99	RTE 67								125			INTERMITTENT YELLOW LINE (A1074)
78	256+99.99	261+99.99	RTE 67								125			INTERMITTENT YELLOW LINE (A1074)
78	256+99.99	261+99.99	RTE 67								499			SOLID YELLOW LINE (A1074)
78	256+99.99	261+99.99	RTE 67								124			INTERMITTENT WHITE LINE (A1074)
78	256+99.99	257+35.32	RTE 67							35				SOLID WHITE LINE (A1074)
78	258+03.32		RTE 67						1					LEFT TURN ARROW (A1074)
78	258+13.71	261+99.99	RTE 67							383				SOLID WHITE LINE (A1074)
78	258+25.80		RTE 67						1					LEFT TURN ARROW (A1074)
78	261+04.31		RTE 67						1					LEFT TURN ARROW (A1074)
78	261+25.76		RTE 67						1					LEFT TURN ARROW (A1074)
79	261+99.99	263+25.91	RTE 67							127				SOLID WHITE LINE (A1074)
79	261+99.99	264+06.93	RTE 67							52				INTERMITTENT WHITE LINE (A1074)
79	261+99.99	264+06.93	RTE 67								207			SOLID YELLOW LINE (A1074)
79	261+99.99	264+06.93	RTE 67								52			INTERMITTENT YELLOW LINE (A1074)
79	261+99.99	264+06.93	RTE 67								207			INTERMITTENT YELLOW LINE (A1074)
79	261+99.99	264+06.93	RTE 67								52			SOLID YELLOW LINE (A1074)
79	261+99.99	264+06.93	RTE 67							52				INTERMITTENT WHITE LINE (A1074)
79	261+99.99	264+06.93	RTE 67							205				SOLID WHITE LINE (A1074)
80-81	231+00	248+00	RTE 67		48					1569	1452			SOUTHBOUND RTE. 67 (A4514)
80-81	227+00	242+00	RTE 67		1					2421	1158			NORTHBOUND RTE. 67 (A4514)
80		TAYLOR RD						1			143			(A4514)
80		RTE. 67 RAMP								214				NORTHBOUND (A4514)
80		RTE. 67 EXIT								123	75			NORTHBOUND (A4514)
80		RTE. 67 EXIT						3		225				NORTHBOUND (A4514)
80		OLD DUNN RD						2						(A4514)
81		RTE. 67 RAMP								215				SOUTHBOUND (A4514)
	SUBTOTAL			56.0	48.0	1.0	16.0	2.0	13136.0	2685.0	143.0	7137.0		
	PAY TOTAL			56	48	1	16	2	13136	2685	143	7137		

STATE OF MISSOURI
PROFESSIONAL ENGINEER
JASON S. DOHRMANN
PE-2004017159
09/27/2024 3:50:27 PM
Jason S. Dohrmann
PE-2004017159
DATE PREPARED
9/27/2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 3
COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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



09/30/2024 9:34:26 AM
Jason S. Dohrmann
PE-2004017159

DATE PREPARED
9/30/2024

ROUTE 67
STATE MO

DISTRICT SL SHEET NO. 3

COUNTY ST. LOUIS

JOB NO. J6S3669

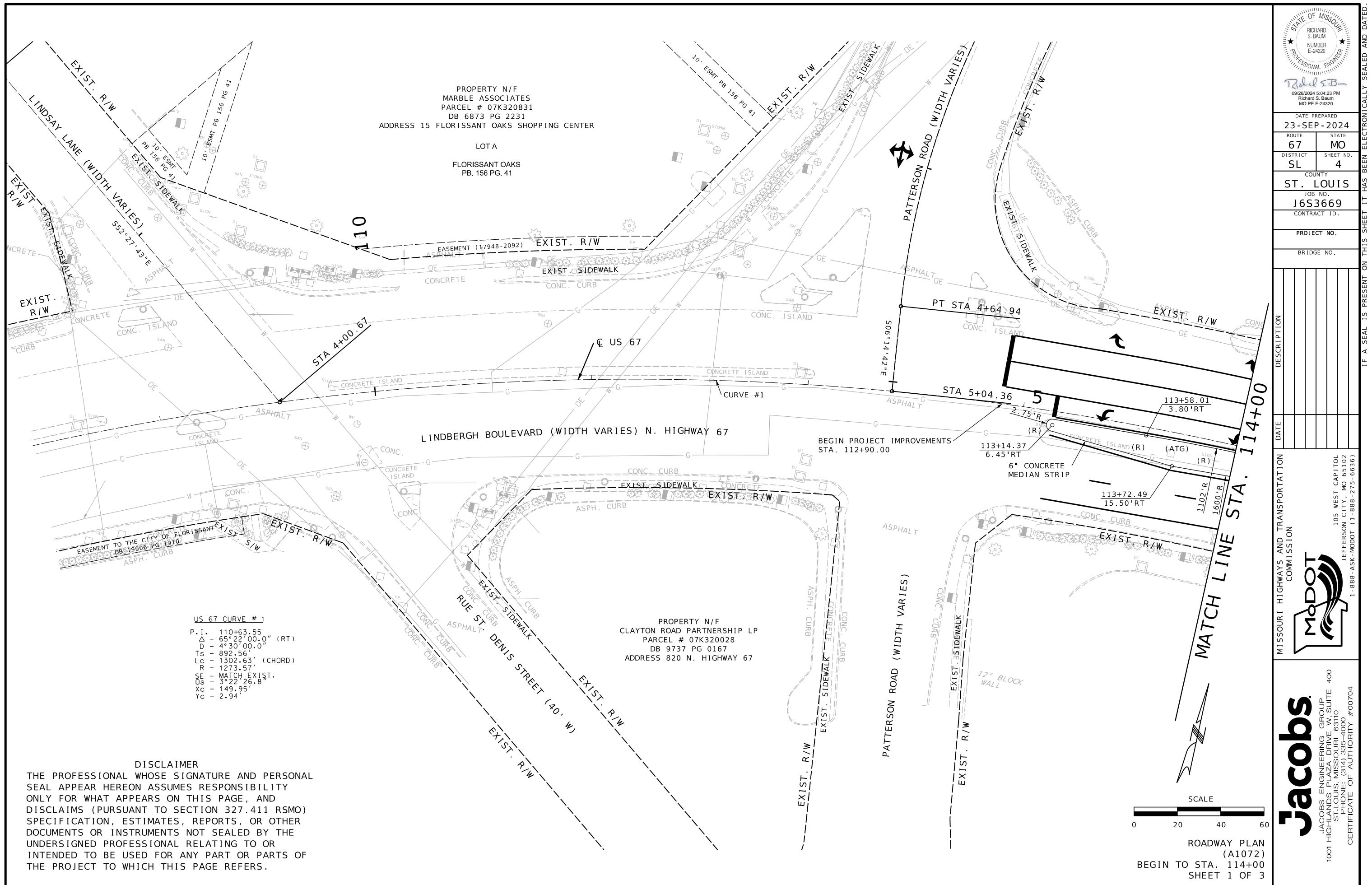
CONTRACT ID.

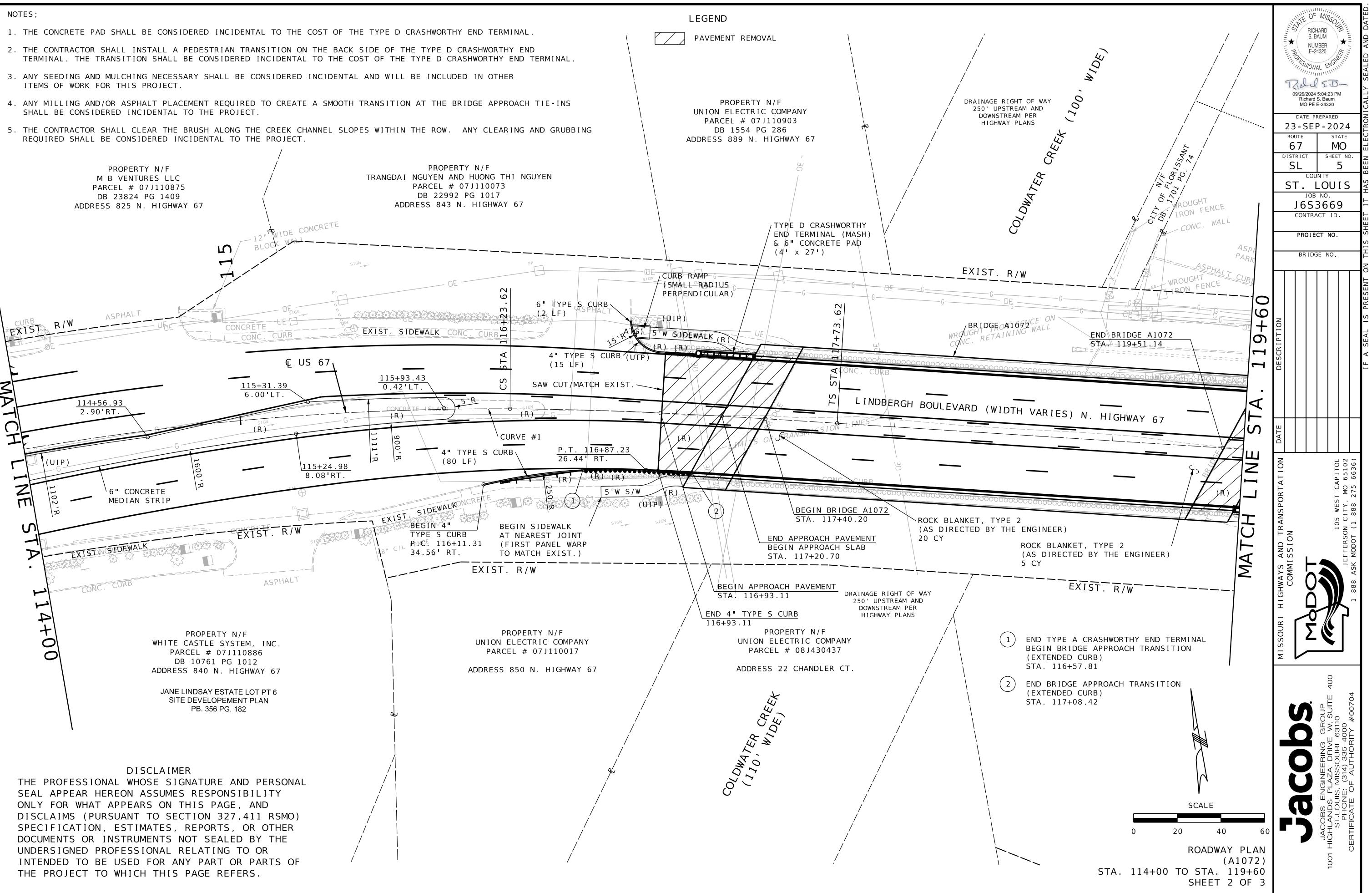
PROJECT NO.

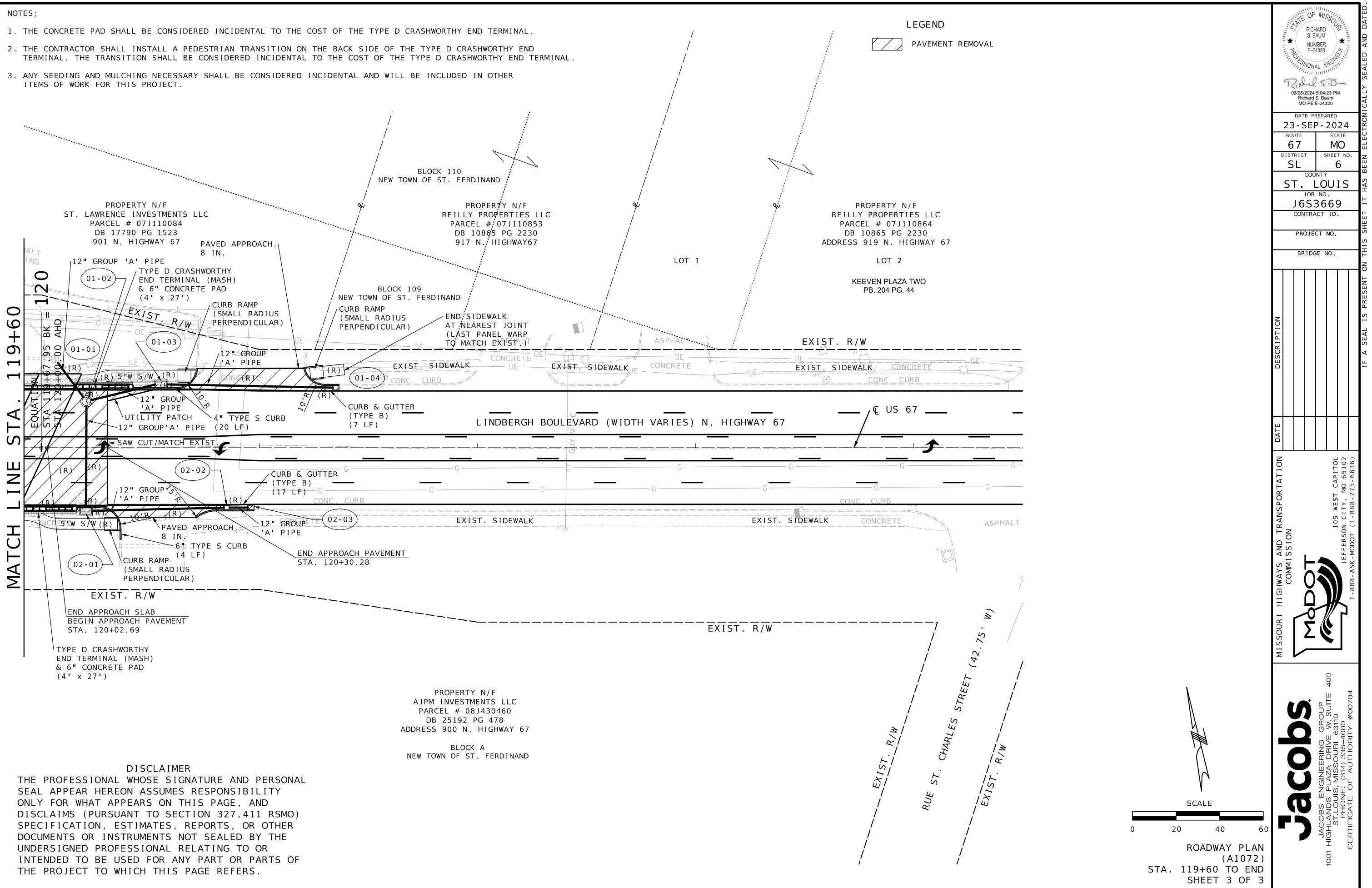
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

SIGN	SIZE IN.	AREA SQ. FT.	QTY EACH	TOTAL AREA SQ. FT.	QTY EACH	TOTAL RELOC SQ. FT.	SIGN NUM.	DESCRIPTION	SIGN	SIZE IN.	AREA SQ. FT.	QTY EACH	TOTAL AREA SQ. FT.	QTY EACH	TOTAL RELOC SQ. FT.	SIGN NUM.	DESCRIPTION	ITEM NUMBER	TOTAL QTY	DESCRIPTION
WARNING SIGNS																				
DESCRIPTION																				
WO1-1L	48X48	16.00						TURN (SYMBOL LEFT)	E05-1	36X48	12.00						GORE EXIT	6122008	5**	IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
WO1-1R	48X48	16.00						TURN (SYMBOL RIGHT)	E05-2	48X36	12.00						EXIT OPEN	6122009	2**	IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
WO1-2L	48X48	16.00						CURVE (SYMBOL LEFT)	E05-2a	48X36	12.00						EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
WO1-2R	48X48	16.00						CURVE (SYMBOL RIGHT)	GO20-1	60X24	10.00						ROAD WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
WO1-3L	48X48	16.00						REVERSE TURN (SYMBOL LEFT)	GO20-2	48X24	8.00	3	24			26	END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
WO1-3R	48X48	16.00						REVERSE TURN (SYMBOL RIGHT)	GO20-4	36X18	4.50						PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
WO1-4L	48X48	16.00	3	48	1	16	15A	REVERSE CURVE (SYMBOL LEFT)	GO20-4a	42X30	8.75						PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
WO1-4R	48X48	16.00	3	48	2	32	15B	REVERSE CURVE (SYMBOL RIGHT)	GO20-4a	18X12	1.50						REPLACEMENT SAND BARREL	6122020	7**	REPLACEMENT SAND BARREL
WO1-4bL	48X48	16.00	2	32			32B	DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT)	GO20-5aP	36X24	6.00	8	48	3	18	54	WORK ZONE (PLAQUE)	6122030	9**	IMPACT ATTENUATOR (RELOCATION)
WO1-4bR	48X48	16.00	2	32			32A	DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-8a	24X18	3.00	6	18			52	END DETOUR	6123001		TRUCK MOUNTED ATTENUATOR (TMA)
WO1-4cL	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT)	MO4-9L	48X36	12.00						DETOUR (LEFT)	6161008	8	ADVANCED WARNING RAIL SYSTEM
WO1-4cR	48X48	16.00						TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT)	MO4-9R	48X36	12.00						DETOUR (RIGHT)	6161012		BOOYS (BOATS KEEP OUT)
WO1-6	60X30	12.50	4	50	1	12.5	16	HORIZONTAL ARROW (SYMBOL)	MO4-9P	48X12	4.00						STREET NAME (PLAQUE)	6161013		BOOYS (NO WAKE)
WO1-6a	72X36	18.00						HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L	48X18	6.00						DETOUR ARROW (LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
WO1-7	60X30	12.50						DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R	48X18	6.00	1	6				DETOUR ARROW (RIGHT)	6161025	435	CHANNELIZER (TRIM LINE)
WO1-7a	72X36	18.00						DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)										50	TYPE III MOVEABLE BARRICADE	
WO1-8	18X24	3.00						CHEVRON (SYMBOL)	R1-1	48X48	13.25						STOP	6161033	72	DIRECTION INDICATOR BARRICADE
WO1-8a	30X36	7.50						CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2	48TRI	6.93						YIELD	6161040	5	FLASHING ARROW PANEL
WO3-1	48X48	16.00						STOP AHEAD (SYMBOL)	R1-2a	36X36	9.00						TO ONCOMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER
WO3-2	48X48	16.00						YIELD AHEAD (SYMBOL)	R1-3P	30X12	2.50						ALL WAY (PLAQUE)	6161055		SEQUENTIAL FLASHING WARNING LIGHT
WO3-3	48X48	16.00						SIGNAL AHEAD (SYMBOL)	R2-1	36X48	12.00	6	72	1	12	4A	SPEED LIMIT 30	6161070	53	TUBULAR MARKER
WO3-4	48X48	16.00						BE PREPARED TO STOP	R2-1	36X48	12.00	2	24	2	24	4B	SPEED LIMIT 35	6161095		RADAR SPEED ADVISORY SYSTEM
WO3-5	48X48	16.00						SPEED LIMIT AHEAD	R2-1	36X48	12.00	5	60			25A	SPEED LIMIT 40	6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
WO4-1L	48X48	16.00						MERGE (SYMBOL FROM LEFT)	R2-1	36X48	12.00	2	24			25B	SPEED LIMIT 45	6161098A	8**	CHANGEABLE MESSAGE SIGN W/O COMM.
WO4-1R	48X48	16.00						MERGE (SYMBOL FROM RIGHT)	R3-1	48X48	16.00						NO RIGHT TURN (SYMBOL)	6161098A		INTERFACE - CONTRACTOR FURNISHED/RETAINED
WO4-1aL	48X48	16.00	3	48			6A	MERGE (LEFT)	R3-2	48X48	16.00	9	144	4	64	57	NO LEFT TURN (SYMBOL)	6161099		CHANGEABLE MESSAGE SIGN WITH COMM.
WO4-1aR	48X48	16.00	1	16			6B	MERGE (RIGHT)	R3-3	36X36	9.00						NO TURNS	6162000A		INTERFACE - CONTRACTOR FURNISHED/RETAINED
WO5-1	48X48	16.00						ROAD/BRIDGE/RAMP NARROWS	R3-4	48X48	16.00						NO U-TURN (SYMBOL)	6162002		WORK ZONE TRAFFIC SIGNAL SYSTEM
WO5-3	48X48	16.00						ONE LANE BRIDGE	R3-7L	30X30	6.25						LEFT LANE MUST TURN LEFT	6173600D	5294**	TEMPORARY LONG-TERM RUMBLE STRIPS
WO5-5	48X48	16.00						NARROW LANES	R4-1	36X48	12.00						DO NOT PASS	6173602B		TEMPORARY TRAFFIC BARRIER
WO6-1	48X48	16.00						DIVIDED HIGHWAY (SYMBOL)	R4-2	36X48	12.00						PASS WITH CARE	6173700B	1012**	CONTRACTOR FURNISHED/RETAINED
WO6-2	48X48	16.00						DIVIDED HIGHWAY END (SYMBOL)	R5-1	30X30	6.25						DO NOT ENTER	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO6-3	48X48	16.00						TWO WAY TRAFFIC (SYMBOL)	R5-1a	36X24	6.00						WRONG WAY	6175010A	1681**	RELOCATING TEMPORARY TRAFFIC BARRIER
WO7-3a	30X24	5.00						NEXT XX MILES (PLAQUE)	R6-1L	54X18	6.75	1	6.75			55	ONE WAY ARROW (RIGHT)	6176000B		TEMPORARY TRAFFIC BARRIER
WO8-1	48X48	16.00						BUMP	R6-2L	24X30	5.00						ONE WAY (LEFT)	6177000B		COMMISSION FURNISHED/RETAINED
WO8-2	48X48	16.00						DIP	R6-2R	24X30	5.00						ONE WAY (RIGHT)	6208064A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO8-3	48X48	16.00						PAVEMENT ENDS	R9-9	24X12	2.00	3	6	2	4	53	SIDEWALK CLOSED	9029400		TEMPORARY RAISED PAVEMENT MARKER
WO8-4	48X48	16.00						SOFT SHOULDER	R9-11L	24X18	3.00	1	3	1	3	56A	SIDEWALK CLOSED AHEAD, (ARROW LEFT) CROSS HERE	9029401		TEMPORARY TRAFFIC SIGNALS
WO8-5	48X48	16.00						SLIPPERY WHEN WET (SYMBOL)	R9-11R	24X18	3.00	1	3	1	3	56B	S			





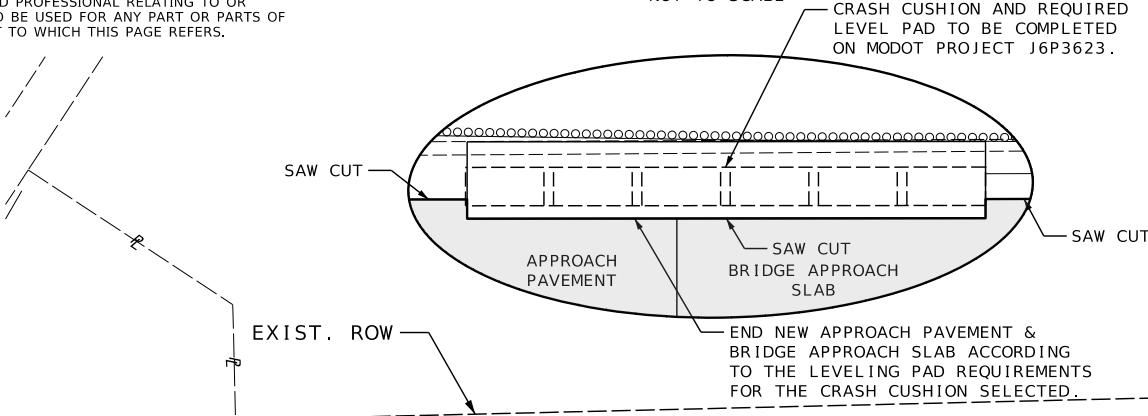


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SEAL APPEAR HEREON ASSUMES RESPONSIBILITY
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INTENDED TO BE USED FOR ANY PART OR PARTS OF
THE PROJECT TO WHICH THIS PAGE REFERS.

ENLARGED PLAN

NOT TO SCALE

CRASH CUSHION AND REQUIRED
LEVEL PAD TO BE COMPLETED
ON MODOT PROJECT J6P3623.



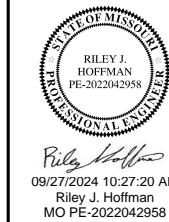
PROPERTY N/F
D E P PROPERTIS LLC
PARCEL # 06H220433
DB 16619 PG 801
ADDRESS 3401 N. HIGHWAY 67

SUNSWEEP - LINDBERGH BOUNDARY ADJUSTMENT PLAT
PB 362 PG 199-200

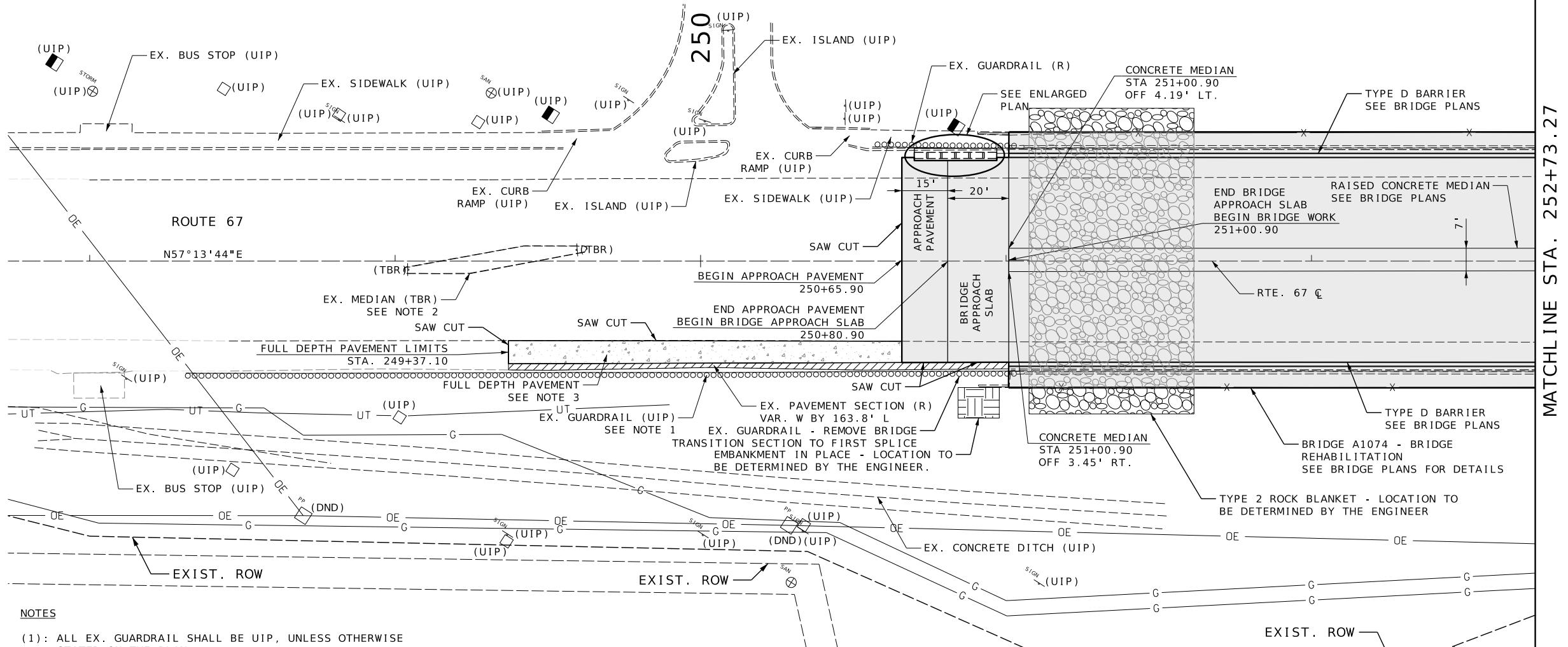
ADJUSTED D.E.P. TRACT

PROPERTY N/F
D E P PROPERTIS LLC
PARCEL # 06H220433
DB 16619 PG 801
ADDRESS 3401 N. HIGHWAY 67

SCALE
0 20 40 60



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



- (1): ALL EX. GUARDRAIL SHALL BE UIP, UNLESS OTHERWISE STATED ON THE PLAN.
- (2): ISLANDS AND MEDIAN TO BE REMOVED DURING TRAFFIC CONTROL PHASING. ISLANDS AND MEDIAN TO BE REPLACED BY OTHERS.
- (3): FULL DEPTH PAVEMENT SHALL BE PLACED FOR TRAFFIC CONTROL STAGING.
- (4): ANY MILLING AND/OR ASPHALT PLACEMENT REQUIRED TO CREATE A SMOOTH TRANSITION AT THE BRIDGE APPROACH TIE-INS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- (5): THE CONTRACTOR SHALL CLEAR THE BRUSH ALONG THE CREEK CHANNEL SLOPES WITHIN THE ROW. ANY CLEARING AND GRUBBING SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

PROPERTY N/F
WALMART REAL ESTATE BUSINESS TRUST
PARCEL # 07H540176
DOC. # 2022072100441
ADDRESS 3390 N. HIGHWAY 67

FLORISSANT WALMART BOUNDARY ADJUSTMENT PLAT
PB. 362 PG. 85-86

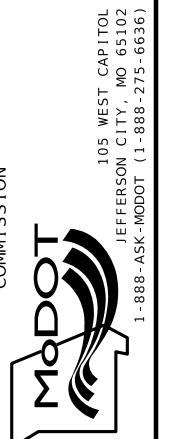
LEGEND

- FULL DEPTH PAVEMENT
- TYPE 2 ROCK BLANKET
- EMBANKMENT IN PLACE

ROADWAY PLAN
(A1074)
SHEET 1 OF 2



HR GREEN, INC.
520 MARVILLE CENTRE DRIVE,
SUITE 100
ST. LOUIS, MISSOURI 63141
PHONE: (314) 519-0590
CORPORATE LICENSE #200206608



STATE OF MISSOURI
RILEY J.
HOFFMAN
PE-2022042958
09/27/2024 10:27:20 AM
Riley J. Hoffman
MO PE-2022042958

DATE PREPARED
9/27/2024
ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 7
COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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



09/27/2024 9:39:15 AM
John E. Klein
MO PE-2009030035

DATE PREPARED
9/26/2024

ROUTE STATE
67 MO

DISTRICT SHEET NO.
SL 9

COUNTY
ST. LOUIS

JOB NO.
J6S3669

CONTRACT ID.

PROJECT NO.

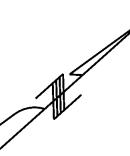
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DESCRIPTION	DATE



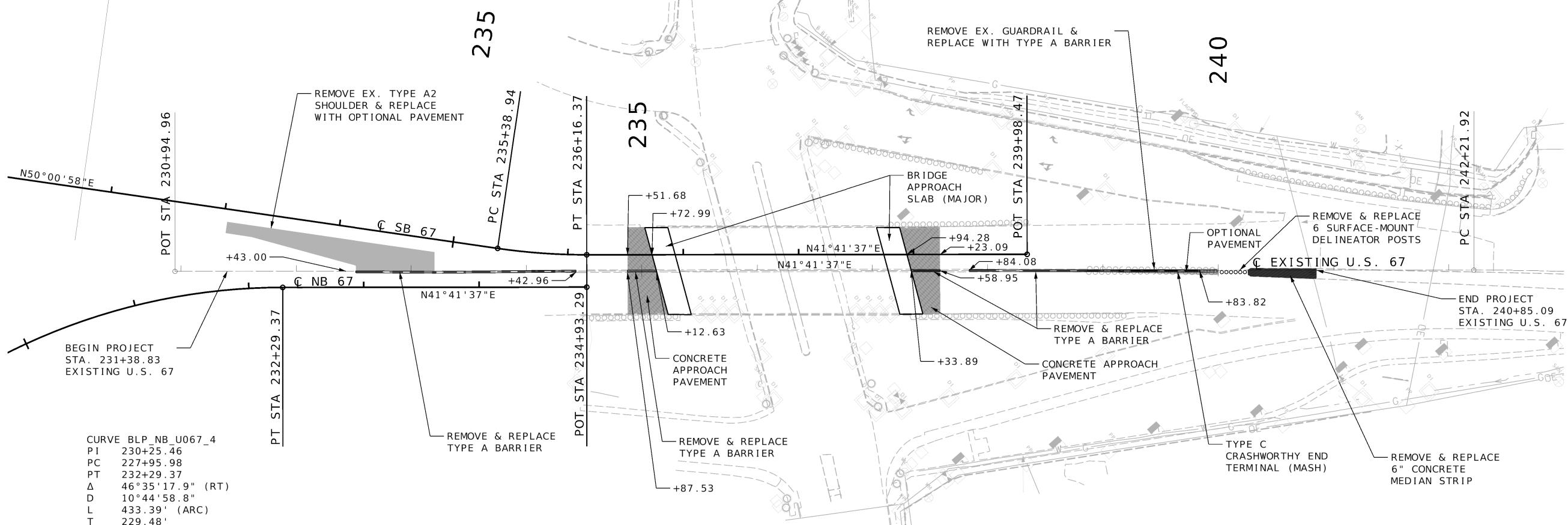
HORNER SHIFFRIN
THE POWER HOUSE AT UNION STATION
401 S. 18th Street, Suite 600
St. Louis, MO 63103-2206
314-531-4321 FAX: 314-531-6966
www.HornerShiffrin.com
Certificate of Authority: 000159
Expiration Date: December 31, 2024



SCALE
0 50 100 150

CURVE BLP_SB_U067_5
PI 235+77.72
PC 235+38.94
PT 236+16.37
 Δ 8°19'21.7" (LT)
D 10°44'58.8"
L 77.42' (ARC)
T 38.78'
R 533.00'

LYNN HAVEN LANE



LEGEND:

- OPTIONAL PAVEMENT
- 6" CONCRETE MEDIAN STRIP
- CONCRETE APPROACH PAVEMENT

NOTES:

1. ALL BEARINGS BASED ON MODIFIED MISSOURI PLANE COORDINATES EASTERN ZONE.
2. SEEDING AND MULCHING IS CONSIDERED INCIDENTAL; AND WILL BE INCLUDED IN OTHER ITEMS FOR THIS PROJECT.
3. REMOVE AND REPLACE EXISTING GUIDE SIGN ON BRIDGE OVER EB LYNN HAVEN LANE WITH NEW SIGN. NEW SIGN SHALL BE PLACED ON EXISTING BRACKETS ON BRIDGE.

BRIDGE A4514
PLAN
SHEET 1 OF 1



STATE OF MISSOURI
RICHARD S. BAUM
NUMBER E-24320
PROFESSIONAL ENGINEER
Richard S. Baum
MO PE E-24320

DATE PREPARED
23-SEP-2024

ROUTE 67 STATE MO

DISTRICT SL SHEET NO. 10

COUNTY ST. LOUIS

JOB NO. J6S3669

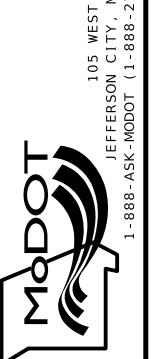
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

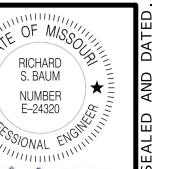
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



Jacobs
JACOBS ENGINEERING GROUP
1001 HIGHWAYS PLAZA DRIVE W. SUITE 400
ST. LOUIS, MISSOURI 63110
PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY #00704

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



Richard S. Baum
MO PE E-24320

09/26/2024 5:04:24 PM

DATE PREPARED

23-SEP-2024

ROUTE 67 STATE MO

DISTRICT SL SHEET NO. 11

COUNTY ST. LOUIS

JOB NO. J6S3669

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM OF 1983 USING AN AVERAGE PROJECT PROJECTION (GRID TO GROUND) FACTOR. TO GET BACK TO STATE PLANE COORDINATES MULTIPLY THE PROJECT COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN IN THE "REFERENCE CONTROL INFORMATION" PORTION OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED MISSOURI STATE PLANE
HORIZONTAL DATUM	NAD 83 (2011)
VERTICAL DATUM	NAVD 88
GEOID MODEL	GEOID 18
ELEVATIONS DETERMINED BY	ST. LOUIS CITY BENCHMARK 4-333
PROJECT PROJECTION FACTOR	1.000008780

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MO COORDINATE SYSTEM OF 1983
CONTROL STATION	MISSOURI CORS
DESIGNATION	MoDOT BELLEFONT CORS ARP
CORS_ID	MOBL
PID	DM3511
LATITUDE	38°45'53.88149" (N)
LONGITUDE	90°14'43.15784" (W)
NORTHING (M)	-4979765.982
EASTING (M)	-21321.845
ZONE	EAST

PROJECT AVERAGE GRID FACTOR 0.9999122

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

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

EXAMPLE: CONTROL POINT #12
N 1084297.210 X 0.9999122 = N 1084202.009
E 878396.429 X 0.9999122 = E 878319.306

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

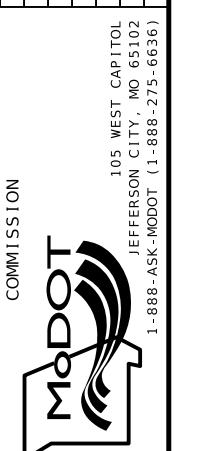
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PROJECT CONTROL POINTS				
POINT	MODIFIED STATE PLANE (GROUND)		ELEVATION	DESCRIPTION
	NORTHING (US SURVEY FEET)	EASTING (US SURVEY FEET)		
466	1080079.585	869175.162	520.76	74SS
467	1080256.412	868483.858	521.50	74MAG SPIKE
468	1080376.408	867990.123	508.79	74IR
469	1080249.181	867549.414	510.00	74MAG SPIKE
470	1080093.306	867156.189	511.02	74MAG SPIKE
471	1079621.205	866539.576	512.96	74SS

COORDINATE POINT LISTING				
POINT	STATION	OFFSET	MODIFIED STATE PLANE (GROUND)	
		(FEET)	NORTHING (US SURVEY FEET)	EASTING (US SURVEY FEET)
CENTERLINE ROUTE 67				
TS	101+70.99	0	1079788.0251	866734.2624
SC	103+20.99	0	1079903.6280	866829.8084
PI	110+63.55	0	1080487.0412	867289.2724
CS	116+23.62	0	1080306.8464	868009.6945
ST	117+73.62	0	1080273.8972	868156.0072
POT BK.	119+67.95	0	1080227.4915	868344.7131
POT AHD.	120+00.00	0	1080227.4915	868344.7131
POT BK.	124+97.76	0	1080108.6257	868828.0721
POT AHD.	124+07.11	0	1080108.6257	868828.0721

Jacobs

JACOBS ENGINEERING GROUP
1001 HIGHPLAZA DRIVE, SUITE 400
ST. LOUIS, MISSOURI 63110
PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY #00704



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

COORDINATE POINT SHEET
(A1072)

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ALL PROJECT COORDINATES HAVE BEEN PROJECTED FROM
THE MISSOURI STATE PLANE COORDINATE (SPC) SYSTEM
OF 1983 USING AN AVERAGE PROJECT PROJECTION
(GRID TO GROUND) FACTOR. TO GET BACK TO STATE
PLANE COORDINATES MULTIPLY THE PROJECT
COORDINATES BY THE AVERAGE GRID FACTOR AS SHOWN
IN THE "REFERENCE CONTROL INFORMATION" PORTION
OF THIS TABLE.

PROJECT COORDINATE INFORMATION

COORDINATE SYSTEM	MODIFIED STATE PLANE
HORIZONTAL DATUM	NAD 83 (2011)
VERTICAL DATUM	NAVD 88
GEOID MODEL	GEOID18
ELEVATIONS FROM	ST. LOUIS COUNTY BENCHMARK 5-301
DETERMINED BY	DIFFERENTIAL LEVELING
PROJECT PROJECTION FACTOR	1.00008780

REFERENCE CONTROL INFORMATION

COORDINATE SYSTEM	MISSOURI COORDINATE SYSTEM OF 1983
CONTROL STATION	MISSOURI CORS
DESIGNATION	MODOT BELLEFONT CORS ARP
CORS_ID	MOBL
PID	DM3511
LATITUDE	38°45'53.88149" (N)
LONGITUDE	090°14'43.15784" (W)
NORTHING (M)	325,371.567
EASTING (M)	272,133.214
ZONE	EAST
PROJECT AVERAGE GRID FACTOR	0.99991220

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

PROJECT NORTHING X AVERAGE GRID FACTOR
= STATE PLANE NORTHING

PROJECT EASTING X AVERAGE GRID FACTOR
= STATE PLANE EASTING

EXAMPLE: CONTROL POINT #1
N 1086867.827 X 0.9999122 = N 1086772.4000
E 897252.572 X 0.9999122 = E 897173.7932

LINEAR UNIT CONVERSION

1 METER = 3.280833333 US SURVEY FEET (USFT)

CONTROL POINT NO.	STATION	LOCATION	OFFSET (USFT)	MODIFIED STATE PLANE (GROUND)			DESCRIPTION	GPK POINT ID
				NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)	ELEVATION (US SURVEY FT)		
PROJECT CONTROL POINTS								
443	262+72.79	LEFT	39.29	1085724.4040	880771.8170	516.05	BASED OFF RTE. 67 CENTERLINE.	
444	259+14.59	LEFT	40.90	1085578.5240	880440.1410	501.99	BASED OFF RTE. 67 CENTERLINE.	
445	250+36.06	LEFT	50.42	1085119.9150	879684.5860	497.48	BASED OFF RTE. 67 CENTERLINE.	
446	245+11.95	LEFT	50.71	1084836.4710	879243.7340	505.85	BASED OFF RTE. 67 CENTERLINE.	
447	240+10.42	LEFT	53.41	1084567.2700	878820.5630	541.17	BASED OFF RTE. 67 CENTERLINE.	

RTE. 67 ALIGNMENT INFORMATION									
ELEMENT	POINT TYPE	STATION	MODIFIED STATE PLANE (GROUND)		BEARING	RADIUS	LENGTH	DELTA/THETA	DIRECTION
			NORTHING (US SURVEY FT)	EASTING (US SURVEY FT)					
CURVE	PC	234+27.10 R1	1084204.1860	878361.8900					
CURVE	PI	235+28.78 R1	1084262.2220	878445.3790		5,729.67	203.34	02°02'00"	RIGHT
CURVE	PT	236+31.55 R2	1084317.2590	878530.8750					
CURVE	STA. EQN.	236+30.43 BK	STATION EQUATION AT PT						
TANGENT	PT	236+30.43 BK	1084317.2590	878530.8750					
TANGENT					N57°13'44"E				
TANGENT	PC	256+46.54 R3	1085408.5520	880226.0990					
TANGENT	STA. EQN.	256+47.62 BK	STATION EQUATION AT PC						
CURVE	STA. EQN.	256+47.62 BK	1085408.5520	880226.0990					
CURVE	PI	261+77.20 R3	1085695.7890	880672.2960		2,865.50	1,049.42	20°58'59.8"	RIGHT
CURVE	PT	266+98.06 R4	1085804.1970	881191.7610					
CURVE	STA. EQN.	266+95.51 BK	STATION EQUATION AT PT						

STATE OF MISSOURI
RILEY J. HOFFMAN
PE-2022042958

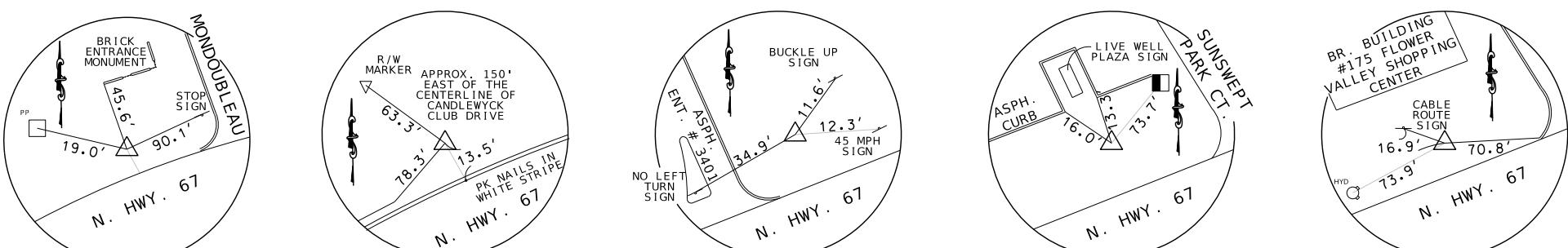
DATE PREPARED
9/27/2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 12
COUNTY ST. LOUIS

JOB NO. J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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



CONTROL POINT NO. 443
SET IRON ROD W/CAP
N: 1085724.404
E: 880771.817
ELEV: 516.05
STA. 262+72.79
39.29' LT HWY. 67

CONTROL POINT NO. 444
SET IRON ROD W/CAP
N: 1085578.524
E: 880440.141
ELEV: 501.99
STA. 259+14.59
40.90' LT HWY. 67

CONTROL POINT NO. 445
SET IRON ROD W/CAP
N: 1085119.915
E: 879684.586
ELEV: 497.48
STA. 250+36.06
50.42' LT HWY. 67

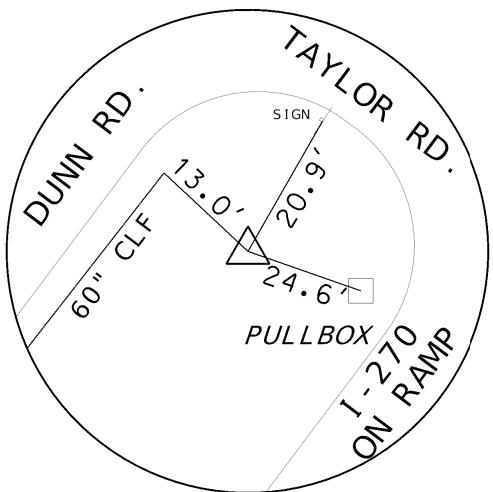
CONTROL POINT NO. 446
SET IRON ROD W/CAP
N: 1084836.471
E: 879243.734
ELEV: 505.85
STA. 245+11.95
50.71' LT HWY. 67

CONTROL POINT NO. 447
SET IRON ROD W/CAP
N: 1084567.270
E: 878820.563
ELEV: 541.17
STA. 240+10.42
53.41' LT HWY. 67

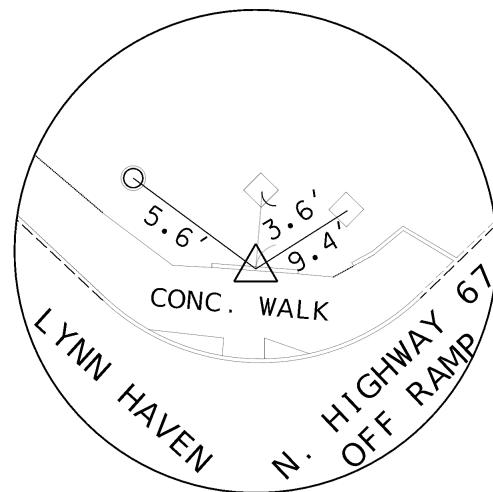


IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

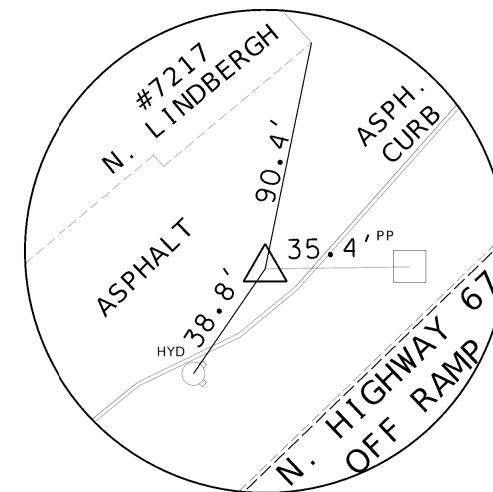
DATE PREPARED		9/25/2024
ROUTE	STATE	MO
67	13	
DISTRICT	SHEET NO.	
SL		
COUNTY		ST. LOUIS
JOB NO.		J6S3669
CONTRACT ID.		
PROJECT NO.		
BRIDGE NO.		



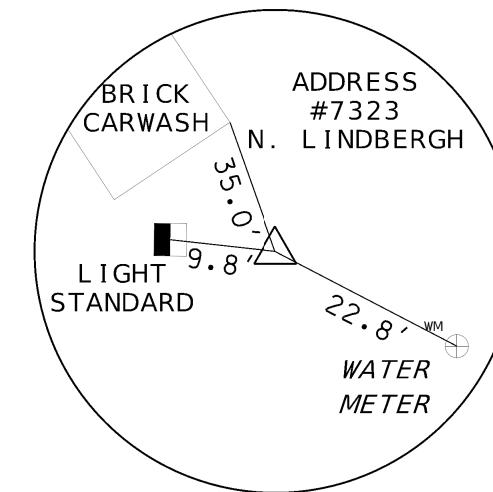
CONTROL POINT NO.29
SET IRON ROD W/CAP
N: 1073791.287
E: 860698.382
ELEV: 523.84
U.S. 67 STA. 234+83.97
218.96' LT



CONTROL POINT NO.485
CUT CROSS
N: 1073881.757
E: 860810.507
ELEV: 525.45
U.S. 67 STA. 236+26.10
195.41' LT



CONTROL POINT NO.484
SET MAG SPIKE
N: 1074124.845
E: 861125.390
ELEV: 520.44
U.S. 67 STA. 240+17.06
121.97' LT



CONTROL POINT NO.28
SET IRON ROD W/CAP
N: 1074454.379
E: 861482.287
ELEV: 522.20
U.S. 67 STA. 244+90.49
91.00' LT

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PROJECT COORDINATE INFORMATION	
COORDINATE SYSTEM	MODIFIED STATE PLANE (GROUND)
PROJECT PROJECTION FACTOR	1.00000878
REFERENCE CONTROL INFORMATION	
COORDINATE SYSTEM	MO COORDINATE SYSTEM OF 1983
ZONE	EAST
PROJECT AVERAGE GRID FACTOR	0.99991221

EXAMPLE OF PROJECT COORDINATE TO S.P.C.

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

EXAMPLE: CONTROL POINT #485
N 1073881.757 X 0.99991221 = N 1073787.481
E 860810.507 X 0.99991221 = E 860734.936

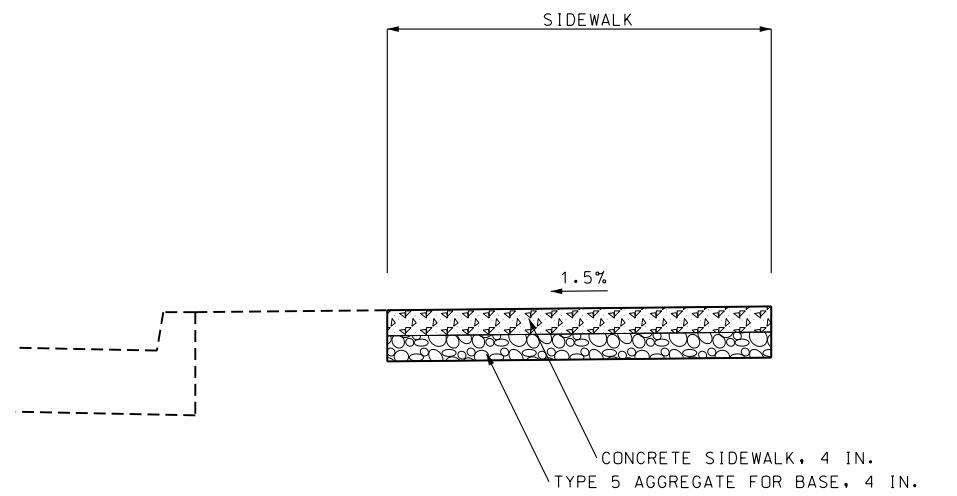
SHEET	STATION	LOCATION	COORDINATE POINT LISTING		DESCRIPTION	
			MODIFIED STATE PLANE (GROUND)			
			NORTHING (FEET)	EASTING (FEET)		
	227+95.98	NB 67	1073015.56	860542.62	PC STA.NB67 CURVE 1	
4	230+25.46	NB 67	1073244.20	860523.04	PI STA.NB67 CURVE 1	
4	232+29.37	NB 67	1073415.56	860675.68	PT STA. NB67 CURVE 1	
4	235+38.95	SB 67	1073577.38	860774.81	PC STA. SB67 CURVE 1	
4	235+77.72	SB 67	1073602.30	860804.52	PI STA. SB67 CURVE 1	
4	236+16.37	SB 67	1073631.25	860830.31	PT STA. SB67 CURVE 1	
4	230+94.96	EXISTING U.S.67	1073358.93	860606.49	POT STA. - EXISTING U.S.67	
4	231+38.83	EXISTING U.S.67	1073387.93	860632.32	BEGIN CONSTRUCTION -EXISTING U.S.67	
4	240+85.09	EXISTING U.S.67	1074094.51	861261.72	END CONSTRUCTION -EXISTING U.S.67	
4	242+21.92	EXISTING U.S.67	1074180.32	861338.15	POT STA. - EXISTING U.S.67	

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NOTES:

1. SEE STANDARD DRAWING 608.10 "CONCRETE SIDEWALK" FOR ADDITIONAL INFORMATION.
2. ALL SIDEWALKS TO BE CONSTRUCTED SHALL HAVE 4 IN. OF TYPE 5 AGGREGATE FOR BASE.
3. ANY EARTHWORK REQUIRED TO PLACE THE CONCRETE SIDEWALK AND AGGREGATE BASE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE TYPE 5 AGGREGATE FOR BASE (4 IN. THICK).



SPECIAL SHEET
(A1072)
SIDEWALK DETAIL
SHEET 1 OF 1

Jacobs

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1001 HIGHLANDS PLAZA DRIVE W, SUITE 400
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PHONE: (314) 335-4000
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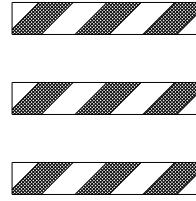
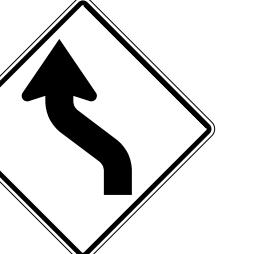
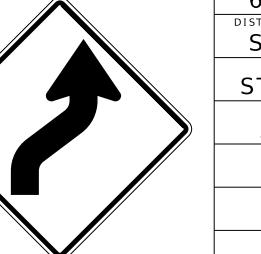
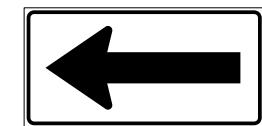
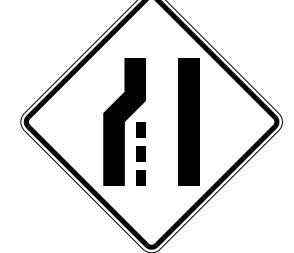
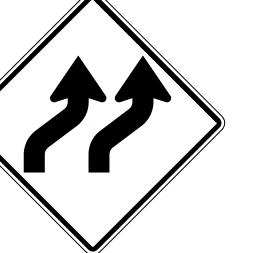
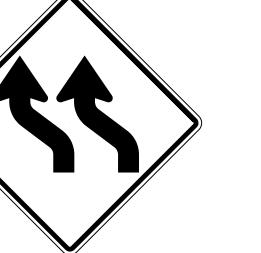


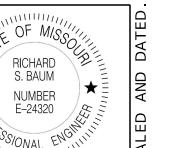
MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

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

STATE OF MISSOURI	
RICHARD S. BAUM	
NUMBER E-24320	
PROFESSIONAL ENGINEER ★	
09/26/2024 5:04:24 PM	
Richard S. Baum	
MO PE E-24320	
DATE PREPARED	
23-SEP-2024	
ROUTE 67	STATE MO
DISTRICT SL	SHEET NO. 14
COUNTY ST. LOUIS	
JOB NO. J6S3669	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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  WO2-1 (2)										DISCLAIMER THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) SPECIFICATION, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.																																							
 R2-1 (4A)					 R2-1 (4B)					 WO20-5 (5)					 WO20-6a (6)					 WO4-1aL (6A)					 WO1-4L (15A)					 WO1-4R (15B)																			
 WO1-6 (16)					 W4-2L (19)					 R2-1 (25A)					 R2-1 (25B)					 R11-2 (29)					 WO1-4bR (32A)					 WO1-4bL (32B)					 R9-9 (53)														
 GO20-5aP (54)										 R9-11L (56A)										 R9-11R (56B)										 R3-2 (57)																			
TRAFFIC CONTROL LEGEND <ul style="list-style-type: none"> ● SIGN (SINGLE SIDED) ▲ DIRECTIONAL INDICATOR BARRICADE ■ CHANNELIZER ◆ TUBULAR MARKER □ TYPE 3 BARRICADE ··· FLASHER ARROW PANEL ▨ WORK AREA 																																																	
TRAFFIC CONTROL PLAN (A1072 & A1074) LEGEND SHEET 1 OF 1																																																	

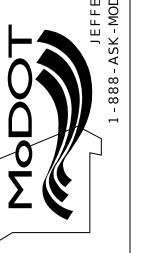



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 MO PE E-24320

DATE PREPARED
25-SEP-2024

ROUTE 67 STATE MO
 DISTRICT SL SHEET NO. 15
 COUNTY ST. LOUIS
 JOB NO. J6S3669
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

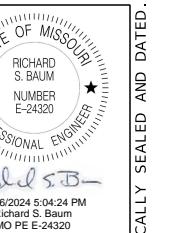
DESCRIPTION	DATE

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DATE PREPARED
5 - AUG - 2024

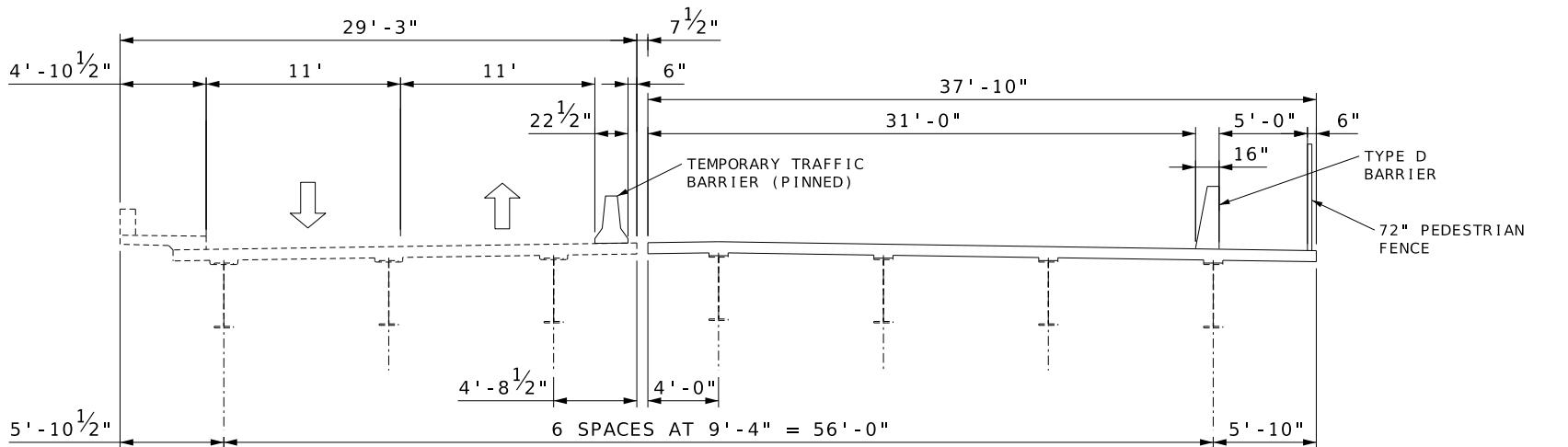
ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 16

COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.

PROJECT NO.

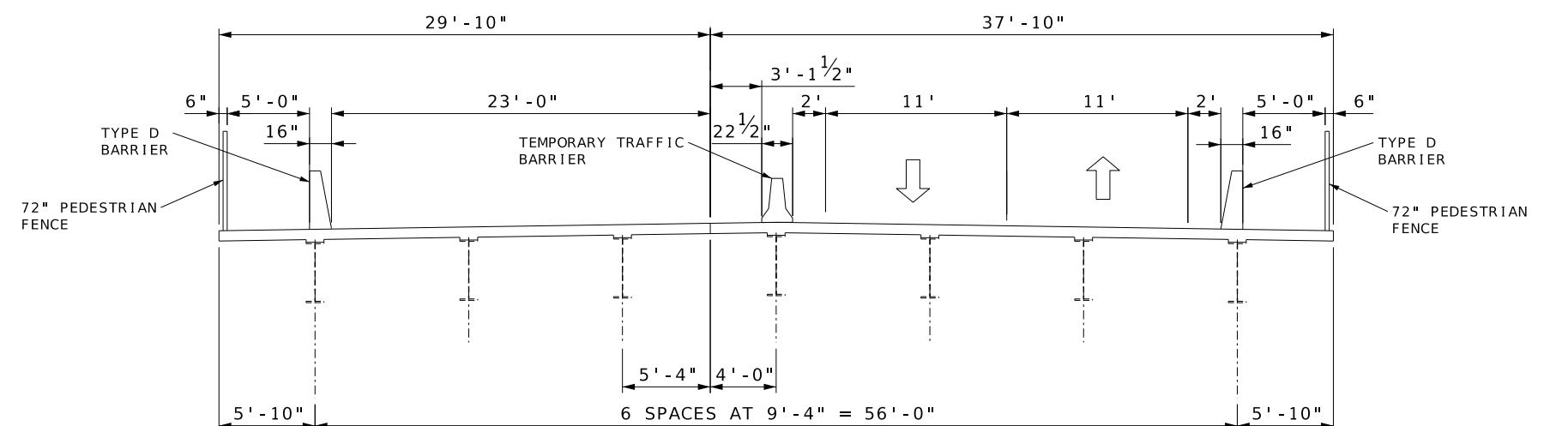
BRIDGE NO.

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MOT SECTION
BRIDGE A1072

STAGE 1



MOT SECTION
BRIDGE A1072

STAGE 2

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TRAFFIC CONTROL PLAN
(A1072)
TYPICAL SECTION
SHEET 1 OF 2

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BRIDGE A1072 STAGE 0 - CONSTRUCTION SEQUENCE

1. INSTALL TRAFFIC CONTROL DEVICES, SIGNING, AND TEMPORARY DEVICES AS SHOWN ON PLANS.
2. REMOVE EXISTING RAISED MEDIAN AND PLACE TEMPORARY PAVEMENT AS NECESSARY TO FACILITATE STAGED CONSTRUCTION. FOR STAGED CONSTRUCTION, REMOVE RAISED MEDIAN TO EXISTING MEDIAN INLET. DO NOT DISTURB MEDIAN INLET DURING STAGED CONSTRUCTION. ENTIRE RAISED MEDIAN TO BE REMOVED AND REPLACED UPON COMPLETION OF BRIDGE CONSTRUCTION.

SCALE
0 50 100 150
TRAFFIC CONTROL PLAN
A1072 STAGE 0
BEGIN TO STA. 89+00
SHEET 1 OF 5

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JEFFERSON CITY, MO 65102
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STATE OF MISSOURI
RICHARD S. BAUM
NUMBER E-24320
PROFESSIONAL ENGINEER
Richard S. Baum
MO PE E-24320
DATE PREPARED
5-AUG-2024
ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 18
COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.
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PROFESSIONAL ENGINEER
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MO PE E-24320

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ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 19

COUNTY ST. LOUIS

JOB NO. J6S3669
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY #00704

SCALE
0 50 100 150

TRAFFIC CONTROL PLAN
A1072 STAGE 0
STA. 89+00 TO STA. 100+50
SHEET 2 OF 5

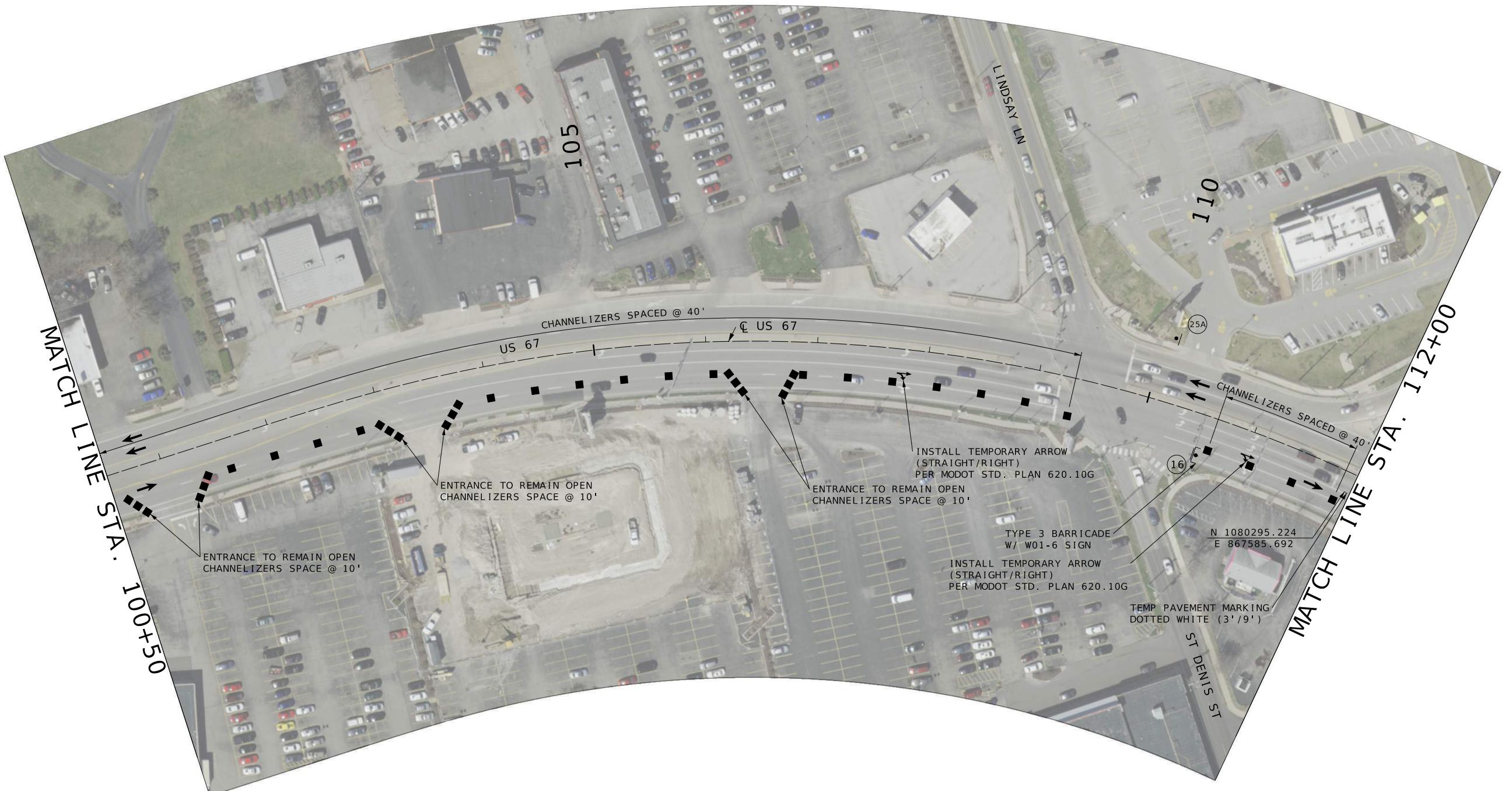


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0 50 100 150

TRAFFIC CONTROL PLAN
A1072 STAGE 0
STA. 89+00 TO STA. 100+50
SHEET 2 OF 5



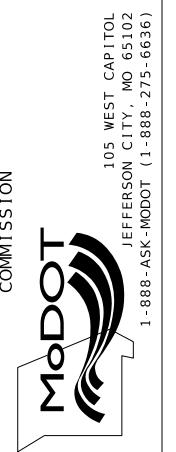
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SCALE
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TRAFFIC CONTROL PLAN
A1072 STAGE 0
STA. 100+50 TO STA. 112+00
SHEET 3 OF 5

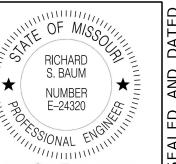
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STATE OF MISSOURI	
RICHARD S. BAUM	
NUMBER E-24320	
PROFESSIONAL ENGINEER	
Richard S. Baum	
MO PE E-24320	
DATE PREPARED	
5 - AUG - 2024	
ROUTE 67	STATE MO
DISTRICT SL	SHEET NO. 20
COUNTY ST. LOUIS	
JOB NO. J6S3669	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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MATCH LINE STA. 123+82



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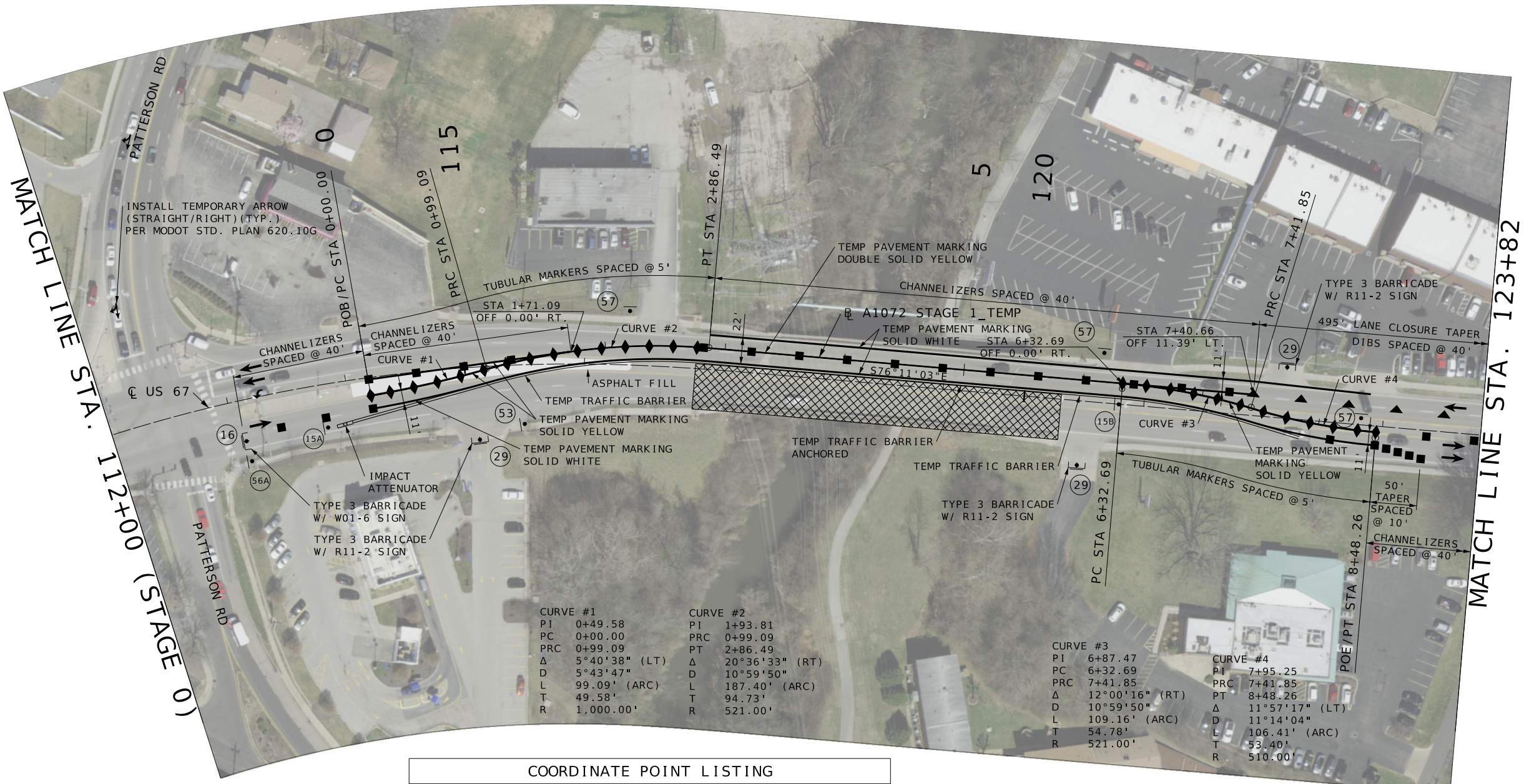
SCALE
0 50 100 150
TRAFFIC CONTROL PLAN
A1072 STAGE 0
STA. 123+82 TO END
SHEET 5 OF 5

Jacobs

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CERTIFICATE OF AUTHORITY # 00704

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MODOT
105 WEST CAPITOL JEFFERSON CITY, MO 65102
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STATE OF MISSOURI
RICHARD S. BAUM
NUMBER E-24320
PROFESSIONAL ENGINEER
Richard S. Baum
MO PE E-24320
DATE PREPARED
5-AUG-2024
ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 22
COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



NOTES:

1. TEMPORARY TRAFFIC BARRIER SHALL BE ANCHORED FOR THE ENTIRE LENGTH OF THE WORK AREA.
2. ANY REQUIRED TEMPORARY SHORING SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
3. ANY MILLING AND/OR ASPHALT PLACEMENT TO CREATE SMOOTH TRANSITIONS AT THE BRIDGE APPROACH TIE-INS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

BRIDGE A1072 STAGE 1 - CONSTRUCTION SEQUENCE

1. INSTALL TRAFFIC CONTROL DEVICES, SIGNING, AND TEMPORARY DEVICES AS SHOWN ON PLANS.
2. REMOVE AND REPLACE BRIDGE DECK FOR BRIDGE A1072 FOR NB US 67 TRAFFIC LANES AS SHOWN.

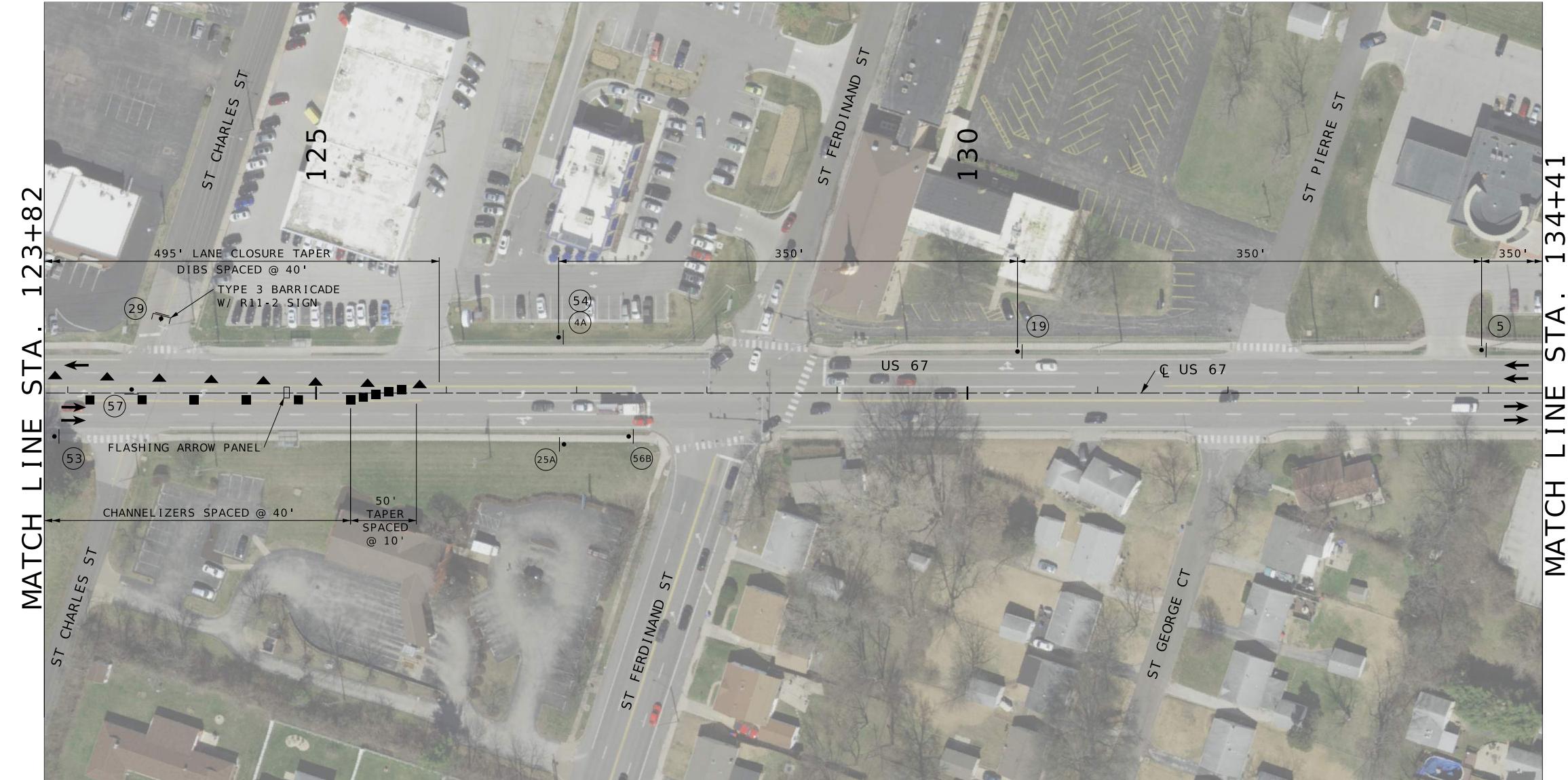
SCALE
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TRAFFIC CONTROL PLAN
A1072 STAGE 1
STA. 112+00 TO STA. 123+82
SHEET 1 OF 3

Jacobs

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MODOT 105 WEST CAPITOL JEFFERSON CITY, MO 65102
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STATE OF MISSOURI
RICHARD S. BAUM
NUMBER E-24320
PROFESSIONAL ENGINEER
Richard S. Baum
09/26/2024 5:04:24 PM
MO PE E-24320
DATE PREPARED
25-SEP-2024
ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 23
COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.
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STATE OF MISSOURI
RICHARD S. BAUM
NUMBER E-24320
PROFESSIONAL ENGINEER
Richard S. Baum
09/26/2024 5:04:24 PM
MO PE E-24320

DATE PREPARED
25-SEP-2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 24

COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.

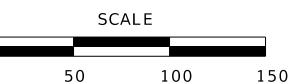
PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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TRAFFIC CONTROL PLAN
A1072 STAGE 1
STA. 123+82 TO STA. 134+41
SHEET 2 OF 3

MATCH LINE STA. 134+41



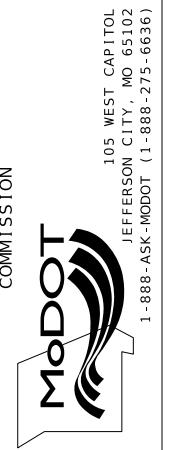
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SCALE
0 50 100 150
TRAFFIC CONTROL PLAN
A1072 STAGE 1
STA. 134+41 TO END
SHEET 3 OF 3

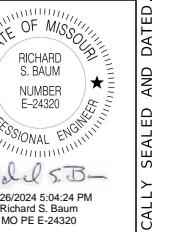
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PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY #00704



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STATE OF MISSOURI	
RICHARD S. BAUM	
NUMBER E-24320	
PROFESSIONAL ENGINEER	
Richard S. Baum	
MO PE E-24320	
09/26/2024 5:04:24 PM	
DATE PREPARED	
5 - AUG - 2024	
ROUTE 67	STATE MO
DISTRICT SL	SHEET NO. 25
COUNTY ST. LOUIS	
JOB NO. J6S3669	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



DATE PREPARED

25-SEP-2024

ROUTE 67 STATE MO

DISTRICT SL SHEET NO. 26

COUNTY ST. LOUIS

JOB NO. J6S3669

CONTRACT ID.

PROJECT NO.

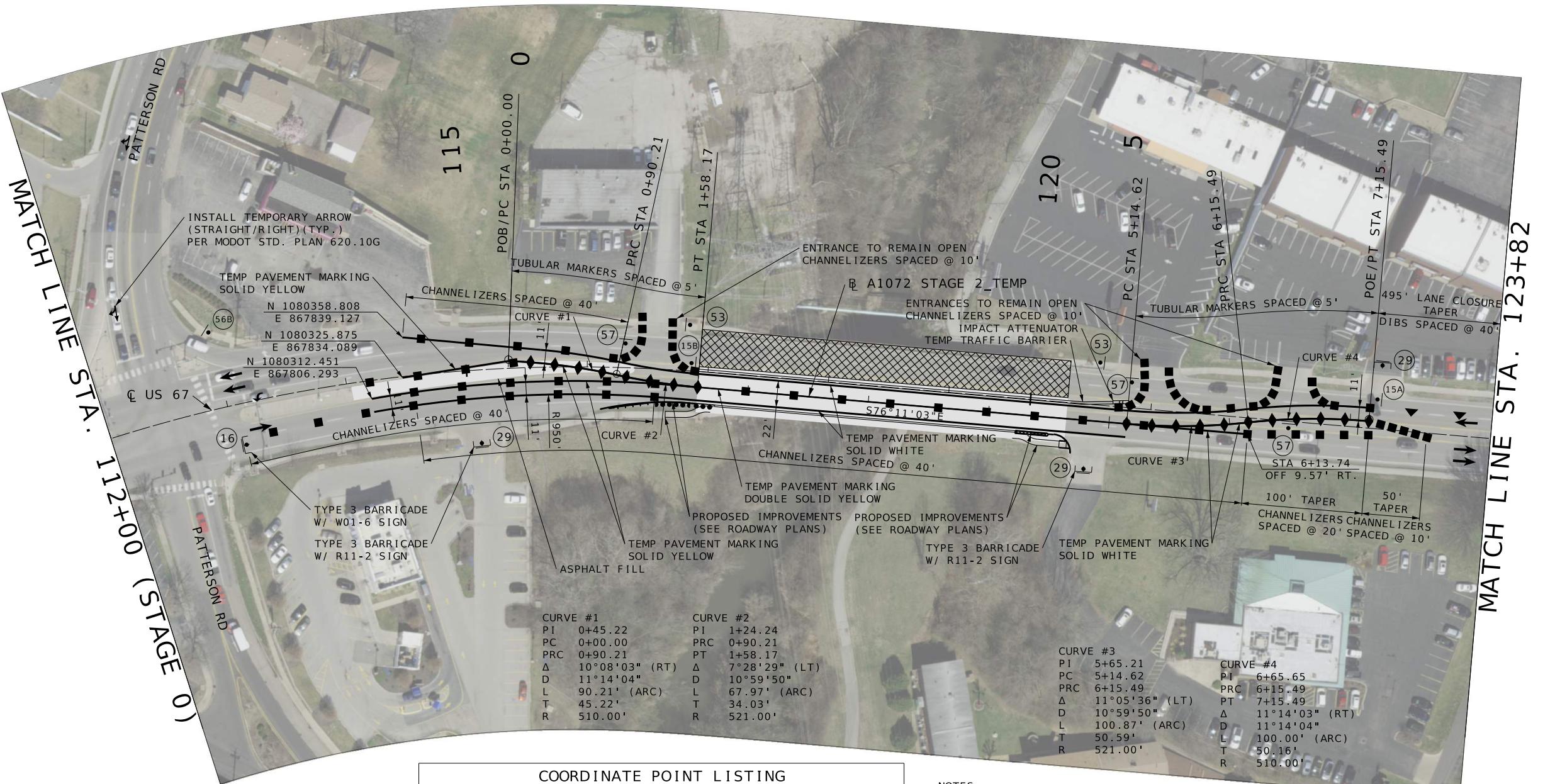
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DESCRIPTION	DATE

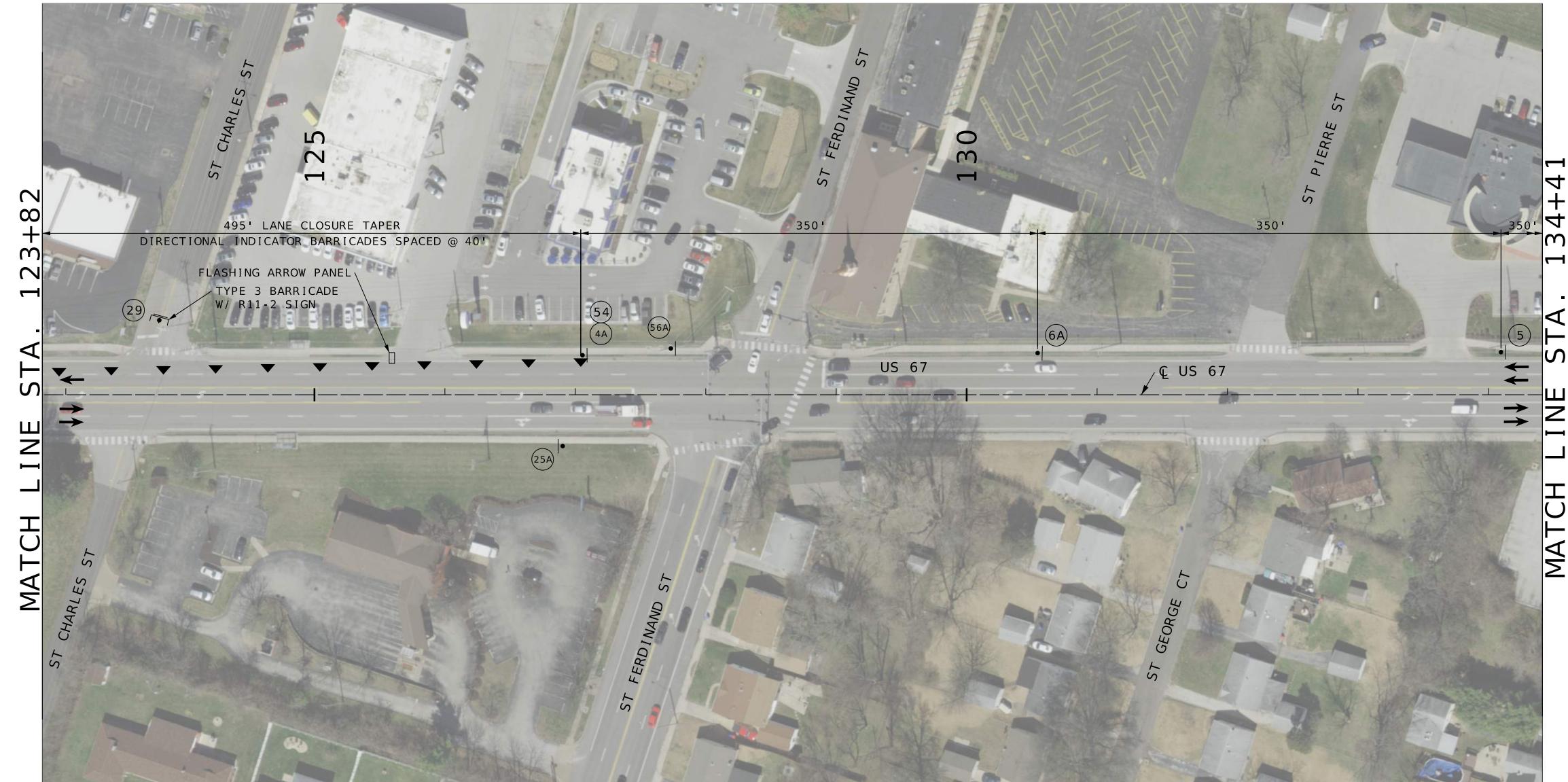
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SCALE
0 50 100 150
TRAFFIC CONTROL PLAN
A1072 STAGE 2
STA. 112+00 TO STA. 123+82
SHEET 1 OF 3

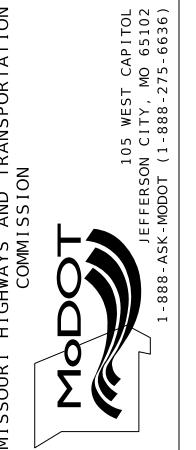


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SCALE
 0 50 100 150
 TRAFFIC CONTROL PLAN
 A1072 STAGE 2
 STA. 123+82 TO STA. 134+41
 SHEET 2 OF 3

Jacobs

JACOBS ENGINEERING GROUP
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 CERTIFICATE OF AUTHORITY # 00704



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 Richard S. Baum
 MO PE E-24320

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 5 - AUG - 2024

ROUTE 67 STATE MO
 DISTRICT SL SHEET NO. 27
 COUNTY ST. LOUIS
 JOB NO. J6S3669
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE PREPARED	DESCRIPTION
5 - AUG - 2024	

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

MATCH LINE STA. 134+41



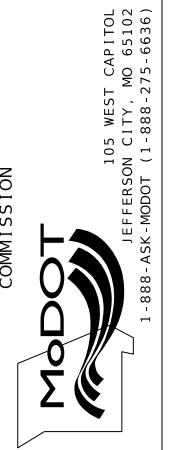
DISCLAIMER

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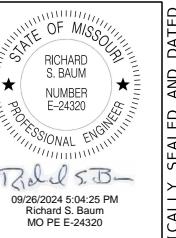
SCALE
0 50 100 150
TRAFFIC CONTROL PLAN
A1072 STAGE 2
STA. 134+41 TO END
SHEET 3 OF 3

Jacobs

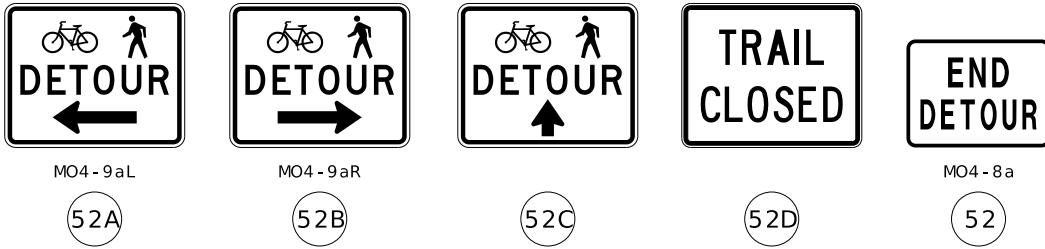
JACOBS ENGINEERING GROUP
1001 HIGHWAY PLAZA DRIVE W. SUITE 400
ST. LOUIS, MISSOURI 63110
PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY #00704



DATE PREPARED	
5 - AUG - 2024	
ROUTE	STATE
67	MO
DISTRICT	SHEET NO.
SL	28
COUNTY	
ST. LOUIS	
JOB NO.	J6S3669
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



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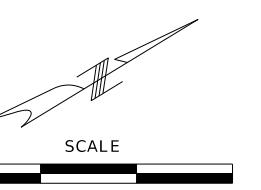


DETOUR NOTES

1. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING, OR REMOVING TCP SIGNS.
2. SIGN AND DEVICE LOCATIONS WILL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER.
3. REMOVE OR COVER EXISTING SIGNS THAT CONFLICT WITH TCP SIGNING, NO DIRECT PAY.
4. UTILIZE TWO (2) TYPE 3 BARRICADES, IF NECESSARY, TO COMPLETELY BLOCK BIKE AND PEDESTRIAN PATH AT LOCATIONS SHOWN WITH 52D SIGN. ONE (1) 52D SIGN SHALL BE MOUNTED TO ONE OF THE BARRICADES.

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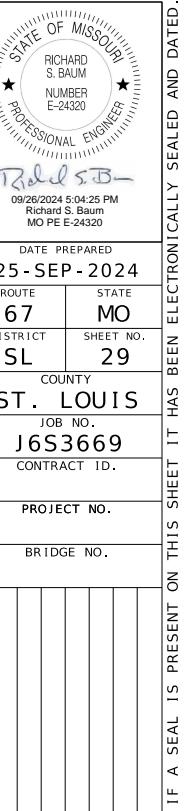
TRAFFIC CONTROL PLAN
A1072
ND PEDESTRIAN DETOUR
SHEET 1 OF 1

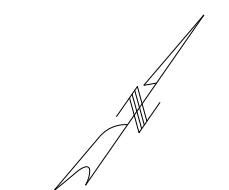
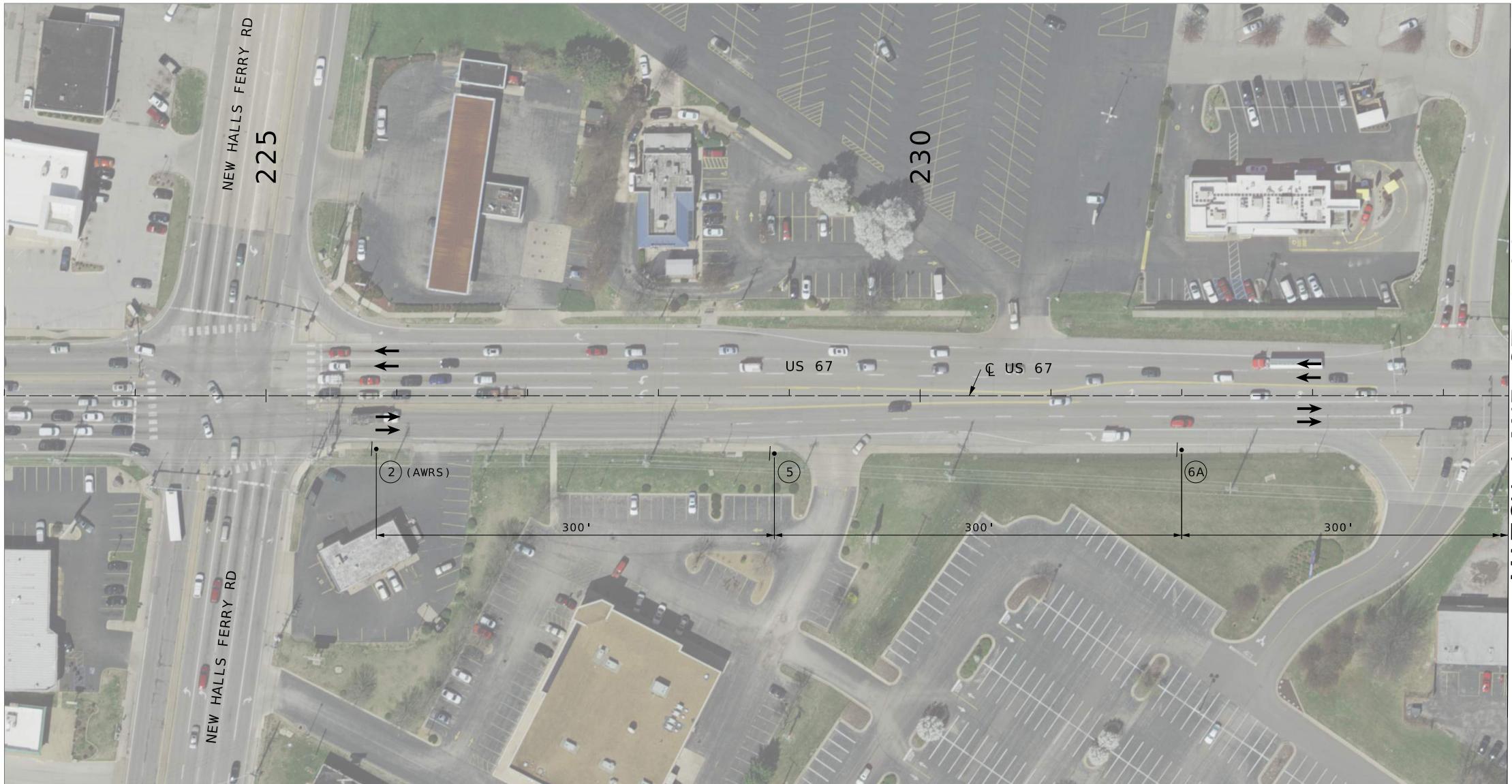


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HIGHLANDS PLAZA DRIVE W. SUITE

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CERTIFICATE OF AUTHORITY #00704





SCALE
0 50 100 150
TRAFFIC CONTROL PLAN
A1074 STAGE 0
BEGIN TO STA. 234+50
SHEET 1 OF 4

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BRIDGE A1074 STAGE 0 - CONSTRUCTION SEQUENCE

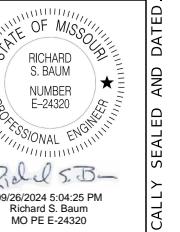
1. INSTALL TRAFFIC CONTROL DEVICES, SIGNING, AND TEMPORARY DEVICES AS SHOWN ON PLANS.
2. REMOVE EXISTING RAISED MEDIAN AND PLACE TEMPORARY PAVEMENT AS NECESSARY.

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PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY # 00704

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

STATE OF MISSOURI
RICHARD S. BAUM
NUMBER E-24320
PROFESSIONAL ENGINEER
Richard S. Baum
MO PE E-24320
DATE PREPARED
5 - AUG - 2024
ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 30
COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

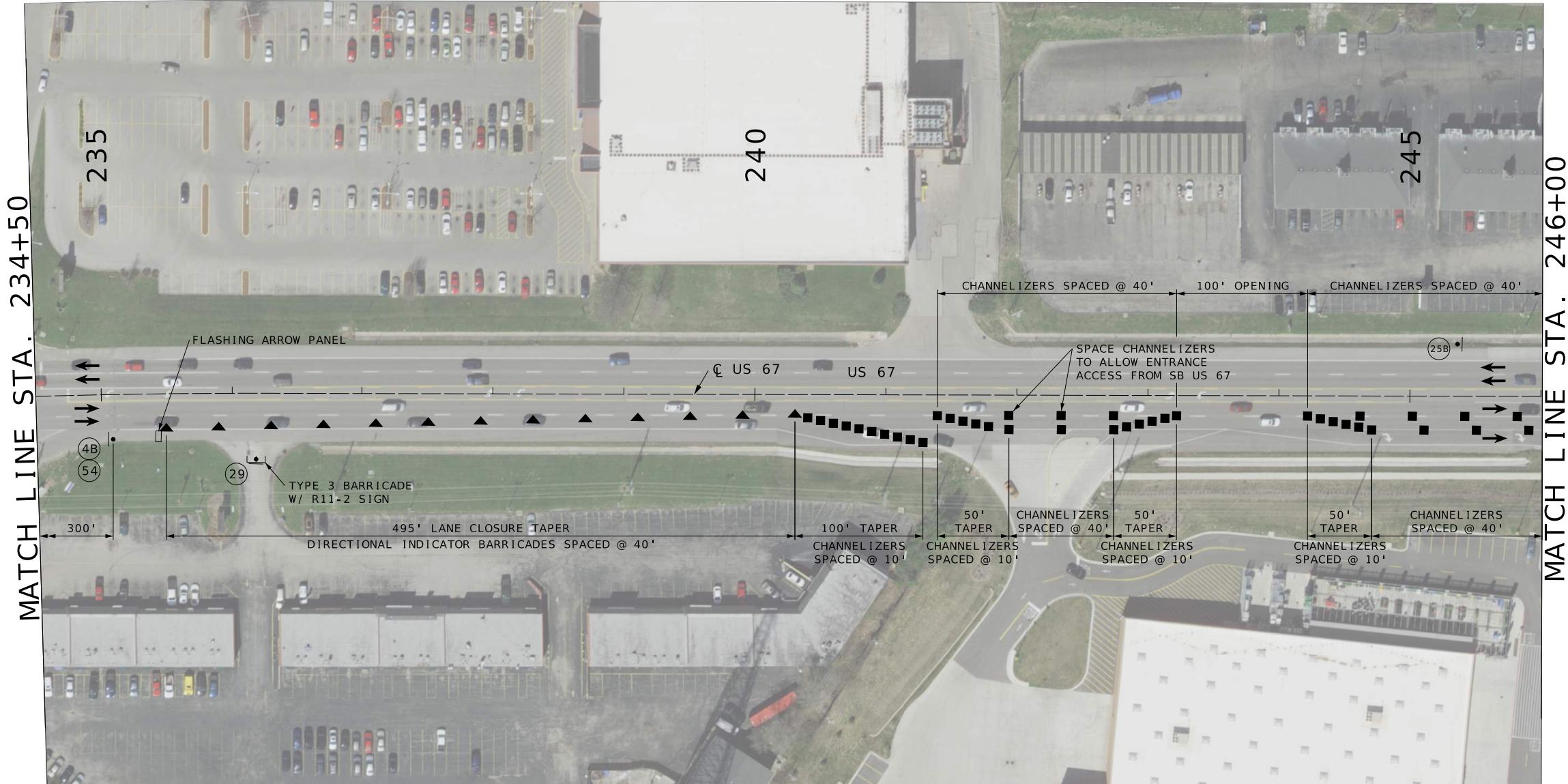


Richard S. Baum
MO PE E-24320

DATE PREPARED
5 - AUG - 2024

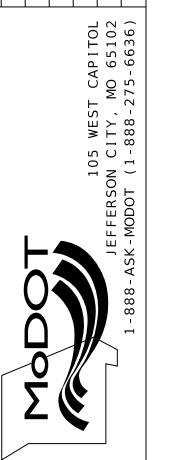
ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 31
COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



MATCH LINE STA. 234+50

SCALE
0 50 100 150
TRAFFIC CONTROL PLAN
A1074 STAGE 0
STA. 234+50 TO STA. 246+00
SHEET 2 OF 4



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STATE OF MISSOURI
RICHARD S. BAUM
NUMBER E-24320
PROFESSIONAL ENGINEER
Richard S. Baum
09/26/2024 5:04:25 PM
MO PE E-24320

DATE PREPARED
12-AUG-2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 32

COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.

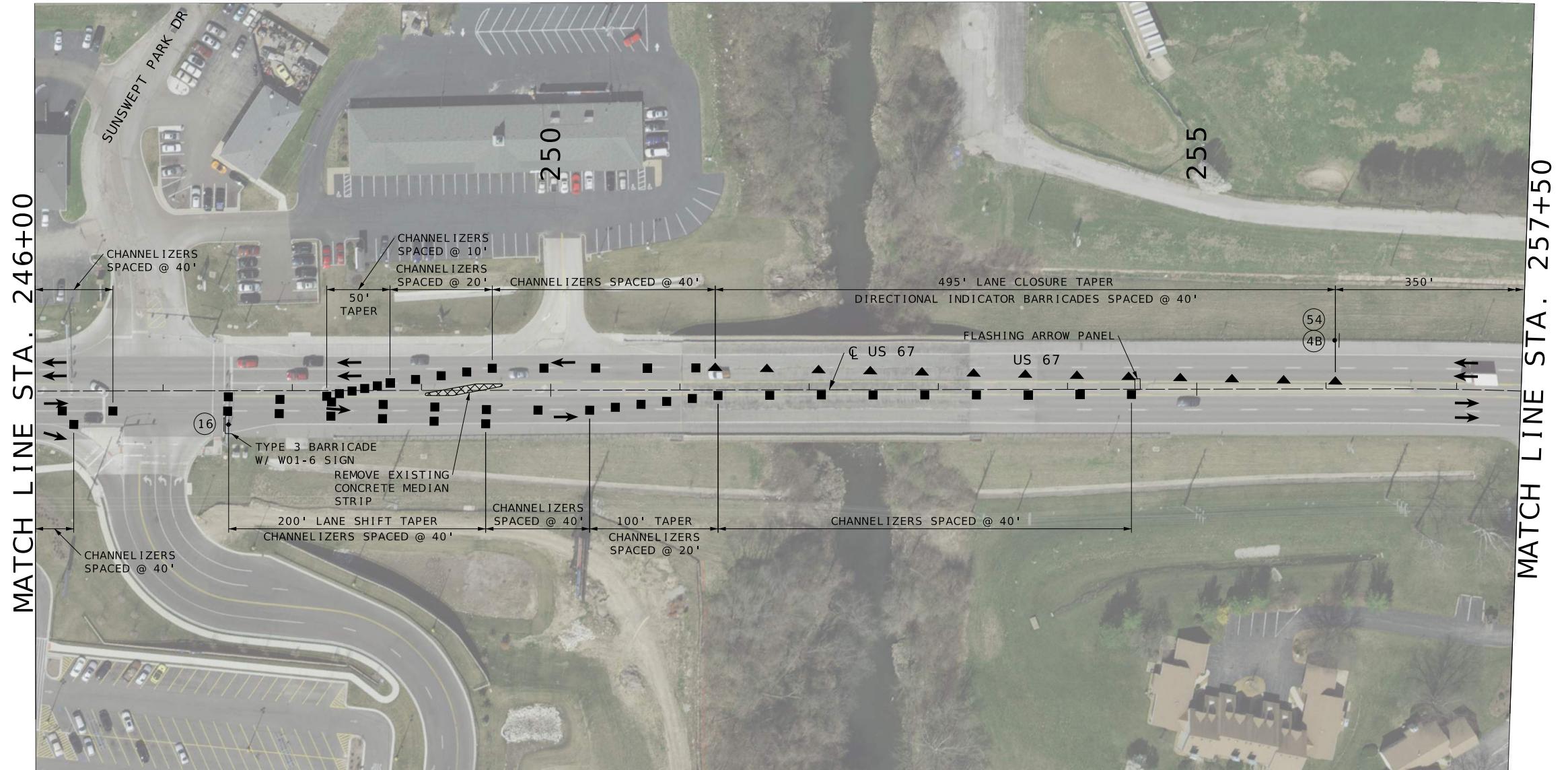
PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

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

Jacobs
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1001 HIGHWAY PLAZA DRIVE W, SUITE 400
ST. LOUIS, MISSOURI 63110
PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY # 00704



NOTE:

1. REMOVE EXISTING CONCRETE MEDIAN STRIP. ANY PROTRUDING TIE BARS SHALL BE MADE FLUSH WITH EXISTING PAVEMENT. ANY TIE BAR HOLES LEFT BEHIND AFTER REMOVAL SHALL BE FILLED WITH EPOXY, INCIDENTAL TO THE PROJECT. ASPHALTIC CONCRETE SP125CLP SHALL BE USED TO FILL ANY PAVEMENT Voids AND MAKE PAVEMENT FLUSH.

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SCALE
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TRAFFIC CONTROL PLAN
A1074 STAGE 0
STA. 246+00 TO STA. 257+50
SHEET 3 OF 4

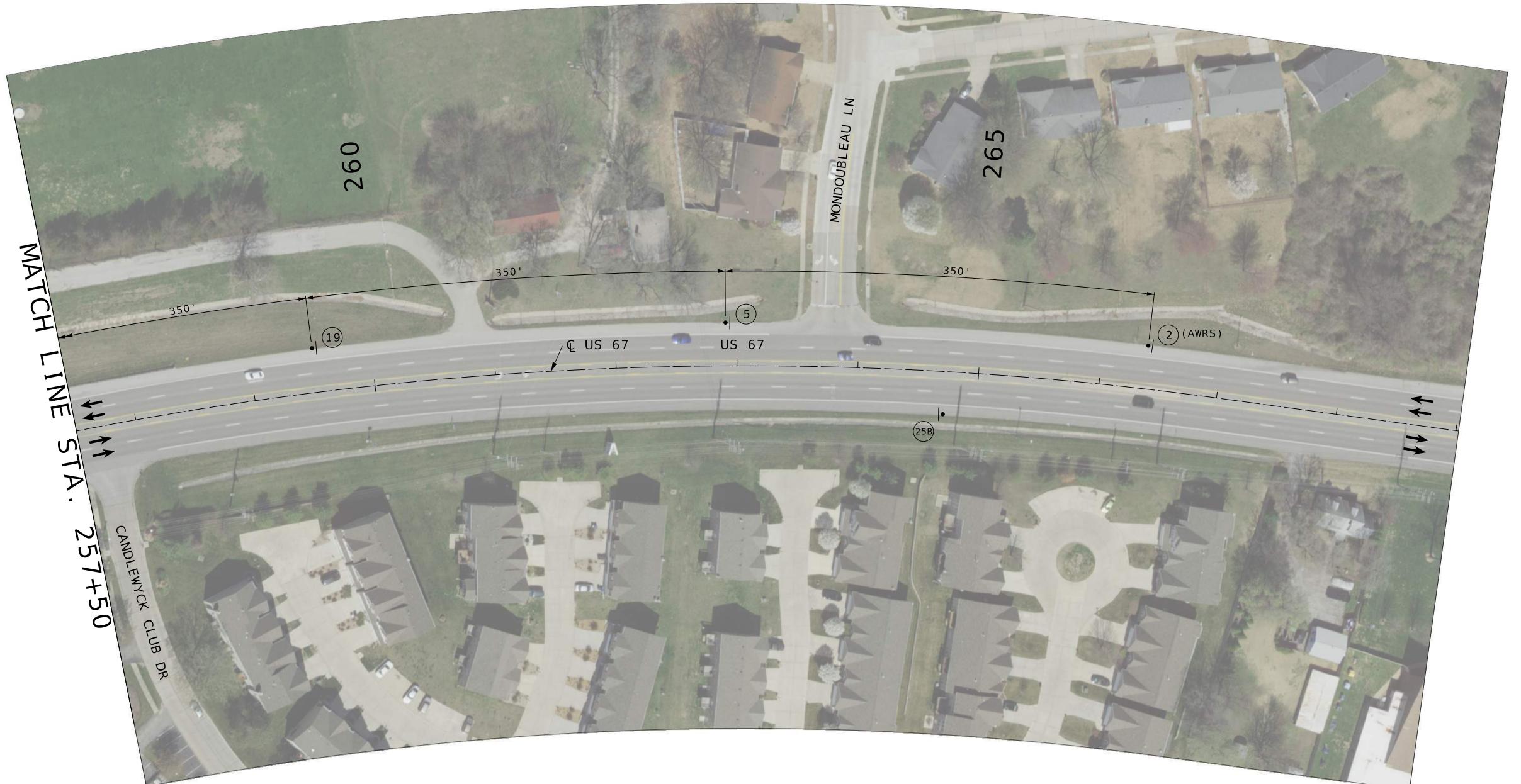
STATE OF MISSOURI
RICHARD S. BAUM
NUMBER E-24320
PROFESSIONAL ENGINEER
Richard S. Baum
MO PE E-24320

Richard S. Baum
09/26/2024 5:04:25 PM
MO PE E-24320

DATE PREPARED
5 - AUG - 2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 33
COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



SCALE
0 50 100 150
TRAFFIC CONTROL PLAN
A1074 STAGE 0
STA. 257+50 TO END
SHEET 4 OF 4

Jacobs

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PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY # 00704

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STATE OF MISSOURI
RICHARD S. BAUM
NUMBER E-24320
PROFESSIONAL ENGINEER
Richard S. Baum
09/26/2024 5:04:25 PM
MO PE E-24320

DATE PREPARED
19-SEP-2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 34

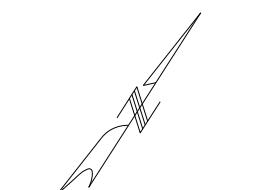
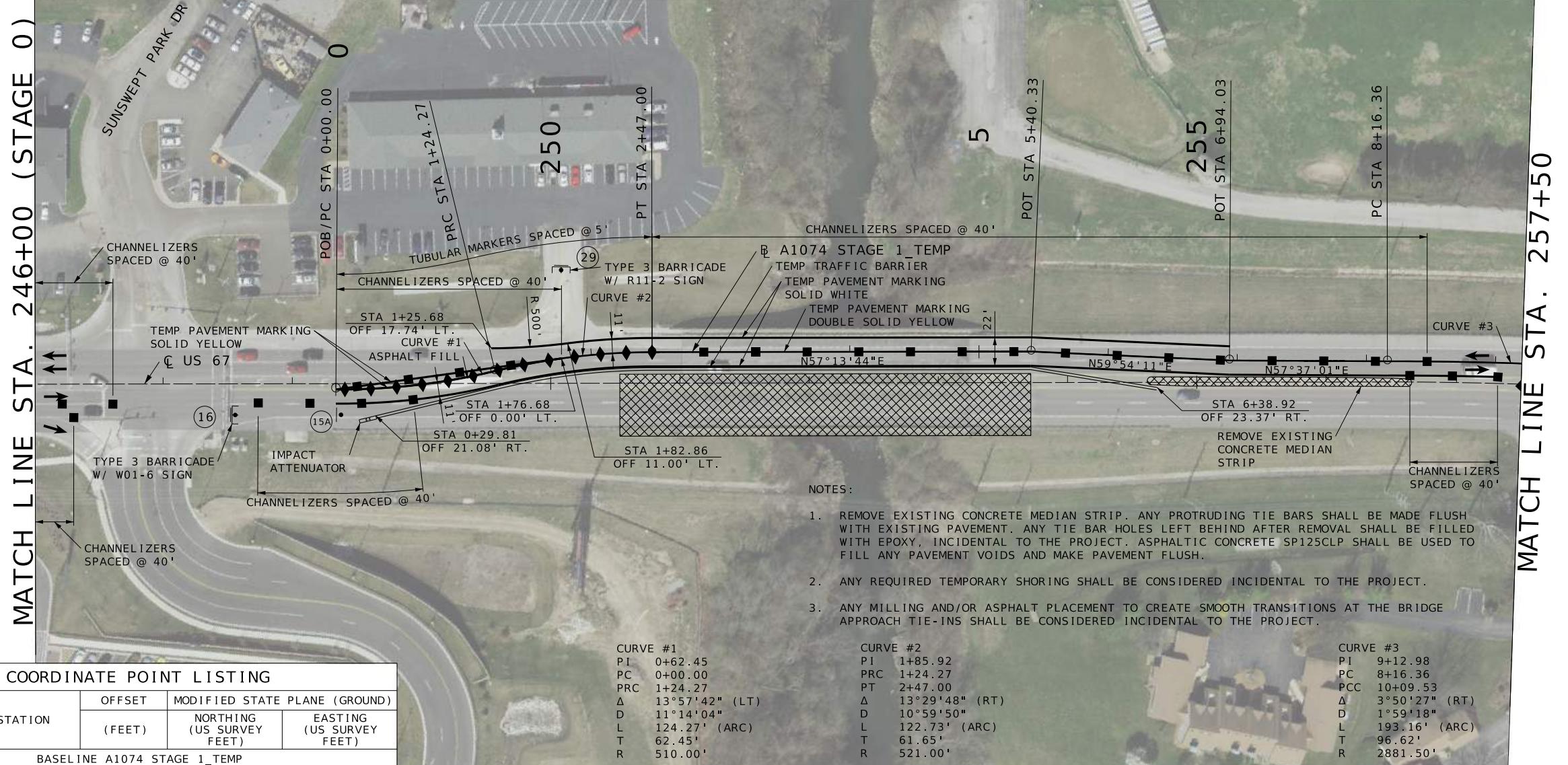
COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

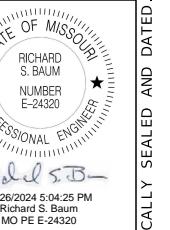
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MODOT 105 WEST CAPITOL JEFFERSON CITY, MO 65102
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1001 HIGHLANDS PLAZA DRIVE W SUITE 400
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PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY # 00704



SCALE
0 50 100 150
TRAFFIC CONTROL PLAN
A1074 STAGE 1
STA. 246+00 TO STA. 257+50
SHEET 1 OF 3



Richard S. Baum
MO PE E-24320

DATE PREPARED
25-SEP-2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 35

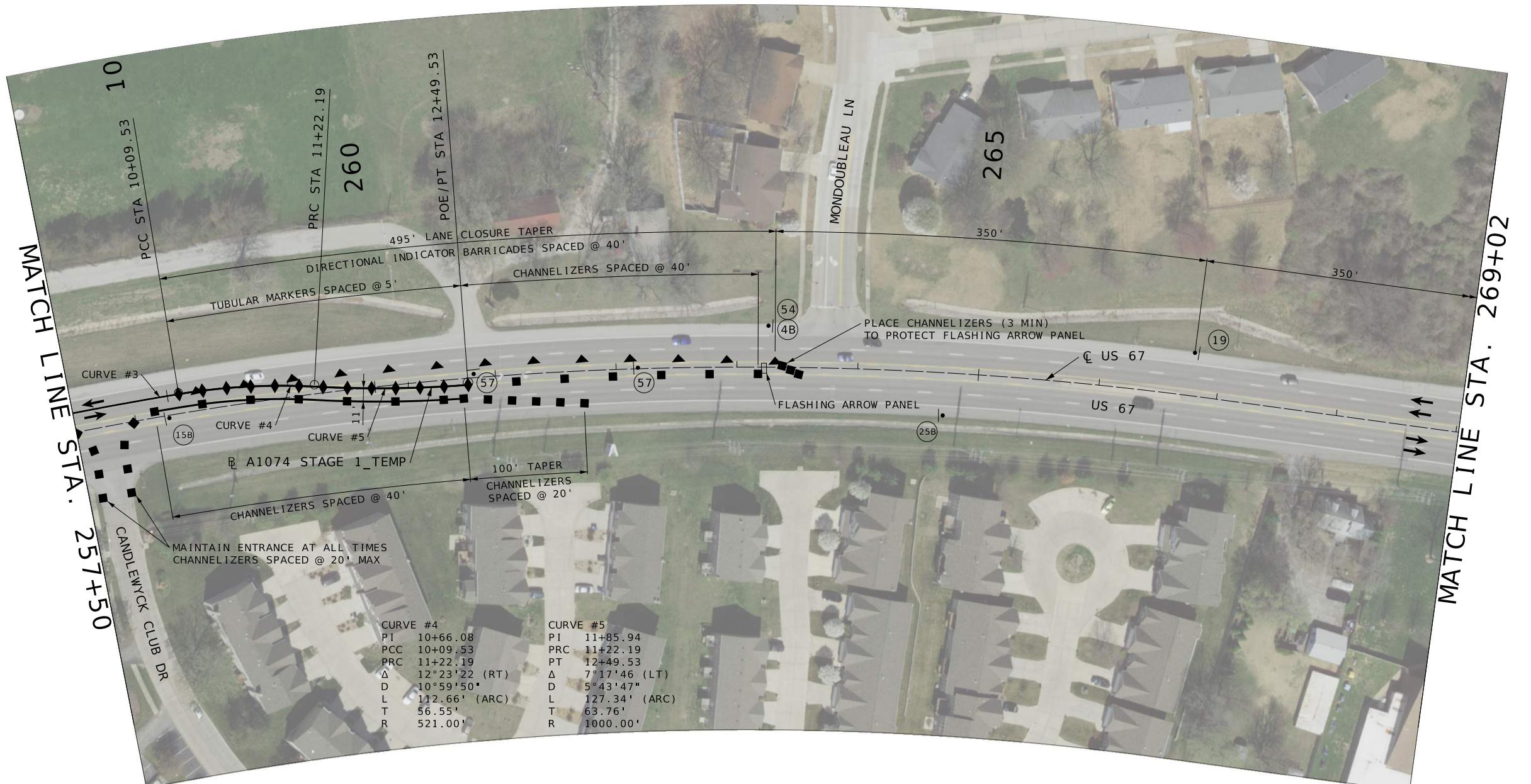
COUNTY ST. LOUIS

JOB NO. J6S3669
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

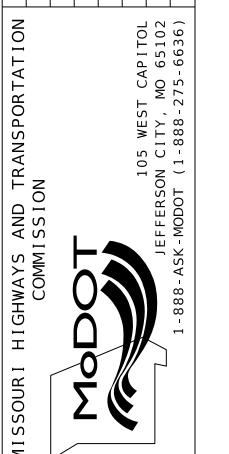
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



SCALE
0 50 100 150
TRAFFIC CONTROL PLAN
A1074 STAGE 1
STA. 257+50 TO STA. 269+02
SHEET 2 OF 3

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MATCH LINE STA. 269+02



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1001 PLAZA DRIVE, SUITE 400
ST. LOUIS, MISSOURI 63110
PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY #00704

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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

STATE OF MISSOURI
RICHARD S. BAUM
NUMBER E-24320
PROFESSIONAL ENGINEER
Richard S. Baum
MO PE E-24320

09/26/2024 5:04:25 PM
Richard S. Baum
MO PE E-24320

DATE PREPARED
5 - AUG - 2024

ROUTE 67 STATE MO

DISTRICT SL SHEET NO. 36

COUNTY ST. LOUIS

JOB NO. J6S3669
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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SCALE
0 50 100 150
TRAFFIC CONTROL PLAN
A1074 STAGE 1
STA. 269+02 TO END
SHEET 3 OF 3

STATE OF MISSOURI
RICHARD S. BAUM
NUMBER E-24320
PROFESSIONAL ENGINEER
Richard S. Baum
09/26/2024 5:04:25 PM
MO PE E-24320

DATE PREPARED
25-SEP-2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 37

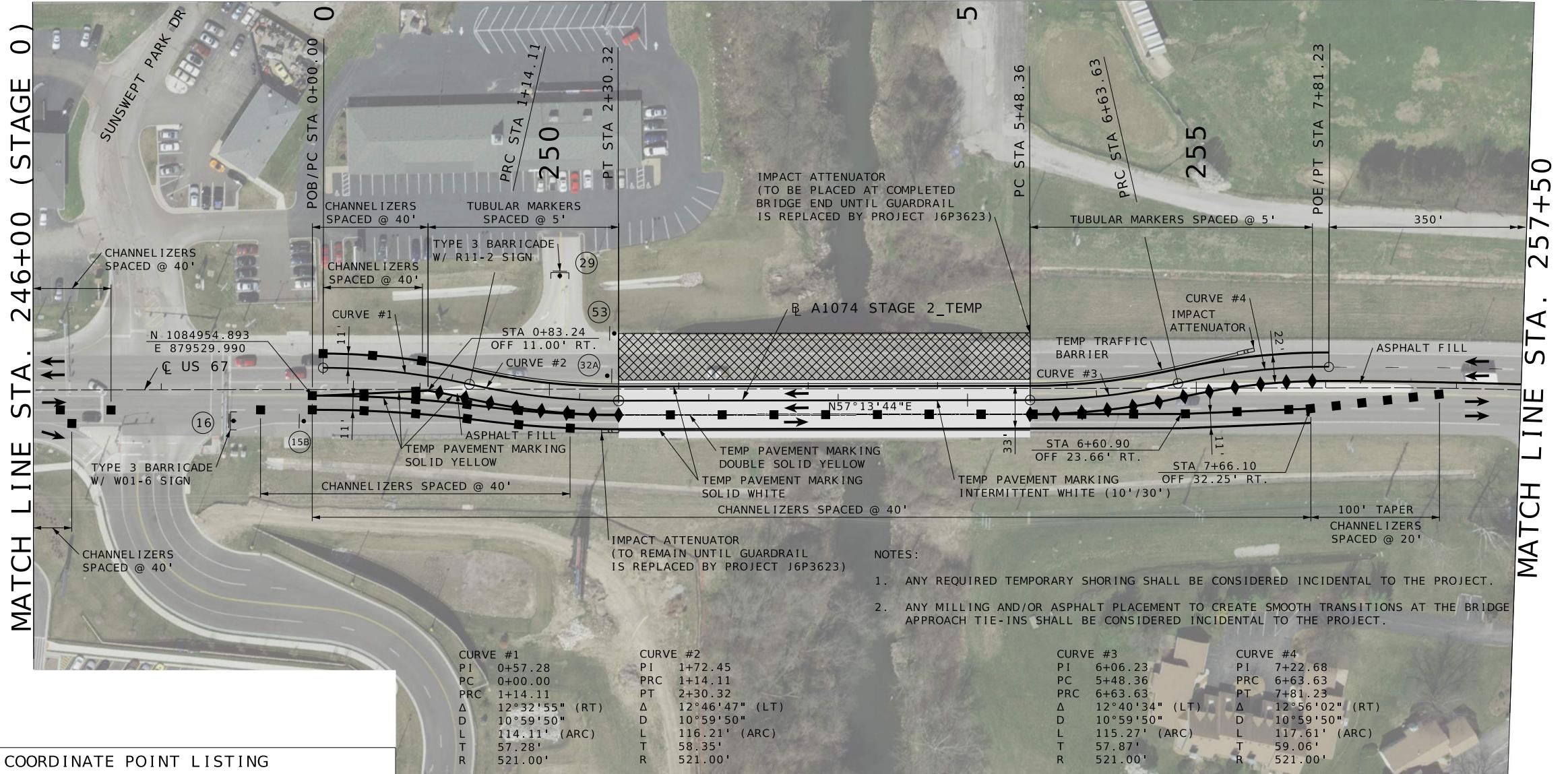
COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MODOT 105 WEST CAPITOL JEFFERSON CITY, MO 65102
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JACOBS ENGINEERING GROUP
ST. LOUIS, MISSOURI 63110
PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY #00704



NOTES:

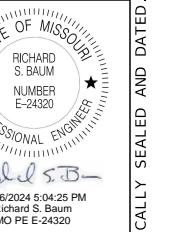
1. ANY REQUIRED TEMPORARY SHORING SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
2. ANY MILLING AND/OR ASPHALT PLACEMENT TO CREATE SMOOTH TRANSITIONS AT THE BRIDGE APPROACH TIE-INS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

CURVE #1	CURVE #2	CURVE #3	CURVE #4
PI 0+57.28	PI 1+72.45	PI 6+06.23	PI 7+22.68
PC 0+00.00	PRC 1+14.11	PC 5+48.36	PRC 6+63.63
PRC 1+14.11	PT 2+30.32	PRC 6+63.63	PT 7+81.23
Δ 12°32'55" (RT)	Δ 12°46'47" (LT)	Δ 12°40'34" (LT)	Δ 12°56'02" (RT)
D 10°59'50"	D 10°59'50"	D 10°59'50"	D 10°59'50"
L 114.11' (ARC)	L 116.21' (ARC)	L 115.27' (ARC)	L 117.61' (ARC)
T 57.28'	T 58.35'	T 57.87'	T 59.06'
R 521.00'	R 521.00'	R 521.00'	R 521.00'

BRIDGE A1074 STAGE 2 - CONSTRUCTION SEQUENCE

1. INSTALL TRAFFIC CONTROL DEVICES, SIGNING, AND TEMPORARY DEVICES AS SHOWN ON PLANS.
2. MOVE TRAFFIC TO THE NEWLY CONSTRUCTED DECK AND REMOVE AND REPLACE BRIDGE DECK FOR BRIDGE A1074 FOR SB US 67 TRAFFIC LANES AS SHOWN.
3. UPON COMPLETION OF STAGE 2, TRAFFIC WILL BE MOVED TO ITS FINAL CONFIGURATION AND THE NEW RAISED MEDIAN ACROSS THE BRIDGE SHALL BE CONSTRUCTED. THE ENDS OF THE RAISED MEDIAN ACROSS THE BRIDGE SHALL BE PROTECTED BY TEMPORARY IMPACT ATTENUATORS UNTIL THE ROADWAY RAISED MEDIAN IS COMPLETED BY PROJECT J6P3623.

SCALE
0 50 100 150
TRAFFIC CONTROL PLAN
A1074 STAGE 2
STA. 246+00 TO STA. 257+50
SHEET 1 OF 2



Richard S. Baum
MO PE E-24320

DATE PREPARED
5 - AUG - 2024

ROUTE 67 STATE MO

DISTRICT SL SHEET NO. 38

COUNTY ST. LOUIS

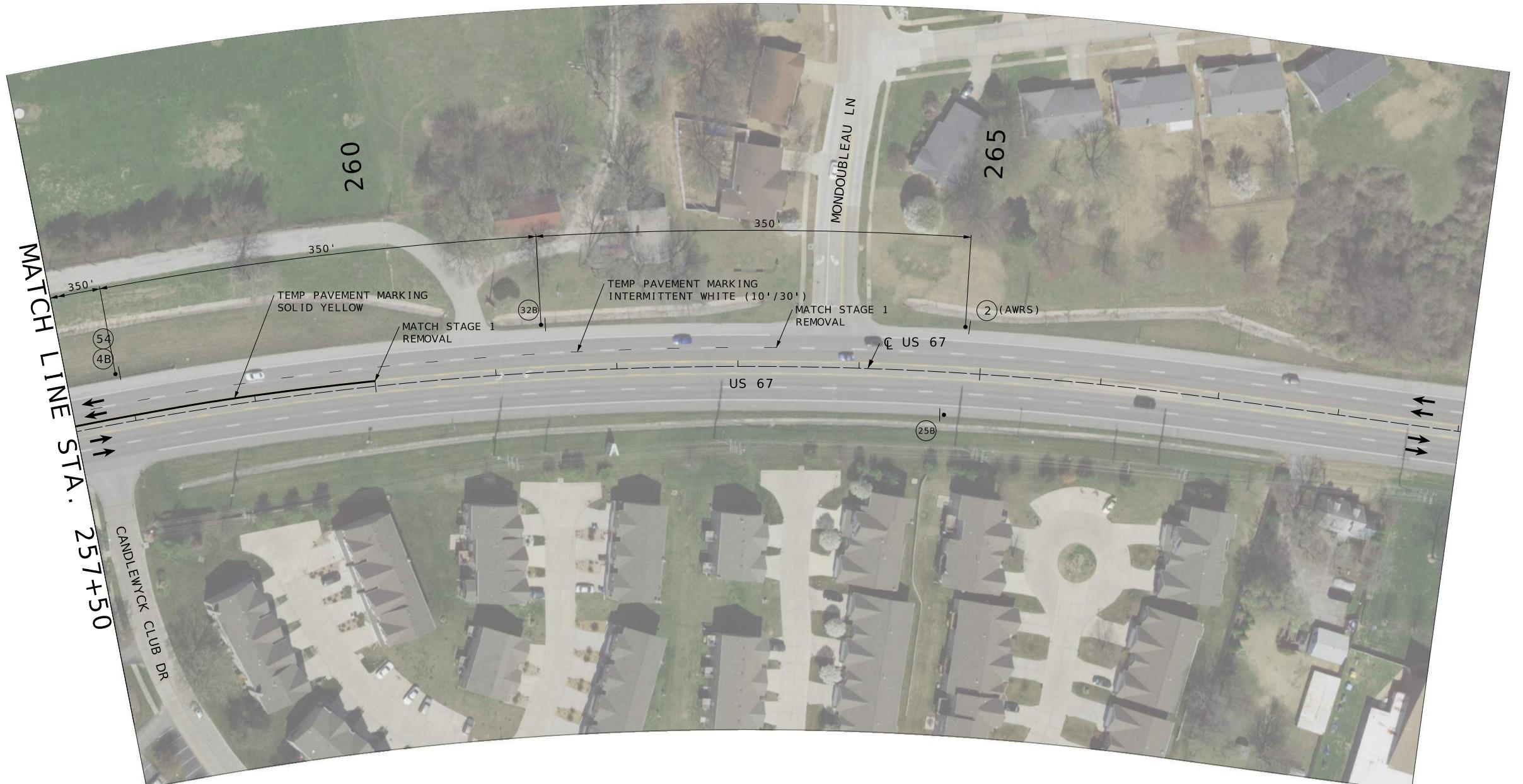
JOB NO. J6S3669

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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SCALE
0 50 100 150
TRAFFIC CONTROL PLAN
A1074 STAGE 2
STA. 257+50 TO END
SHEET 2 OF 2

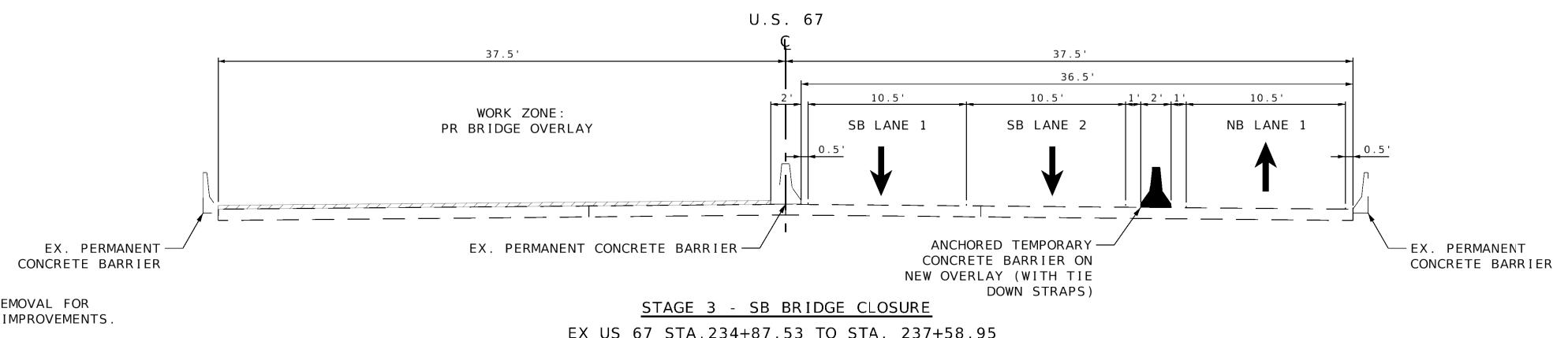
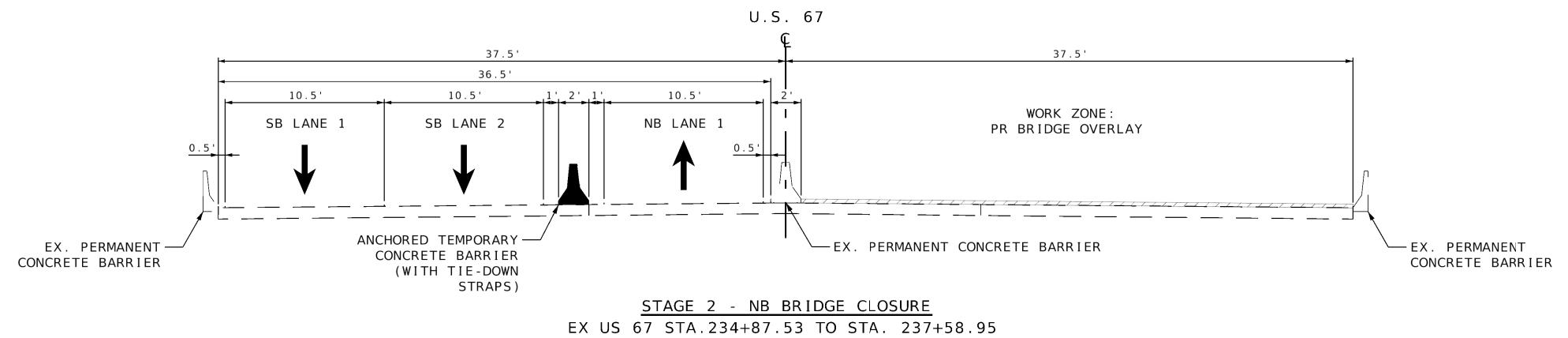
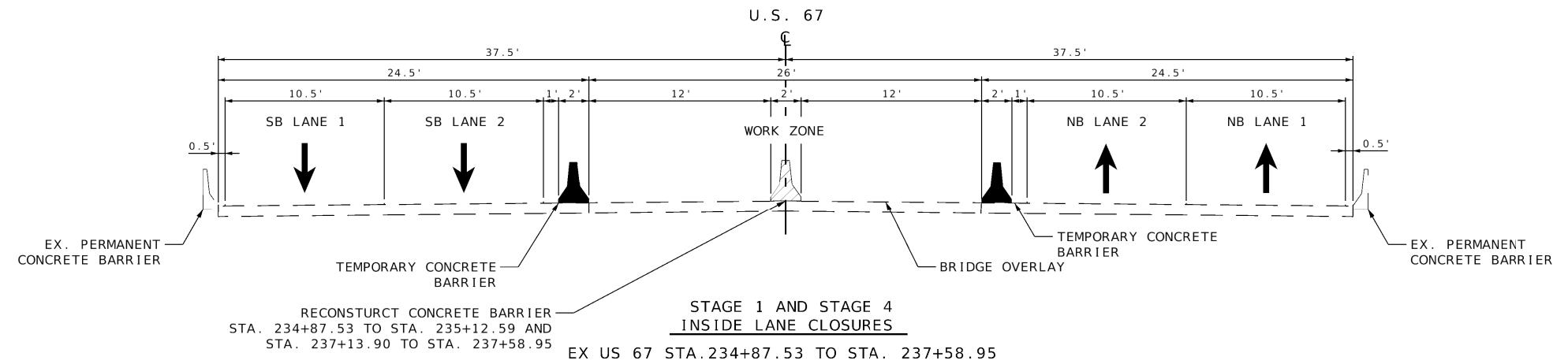
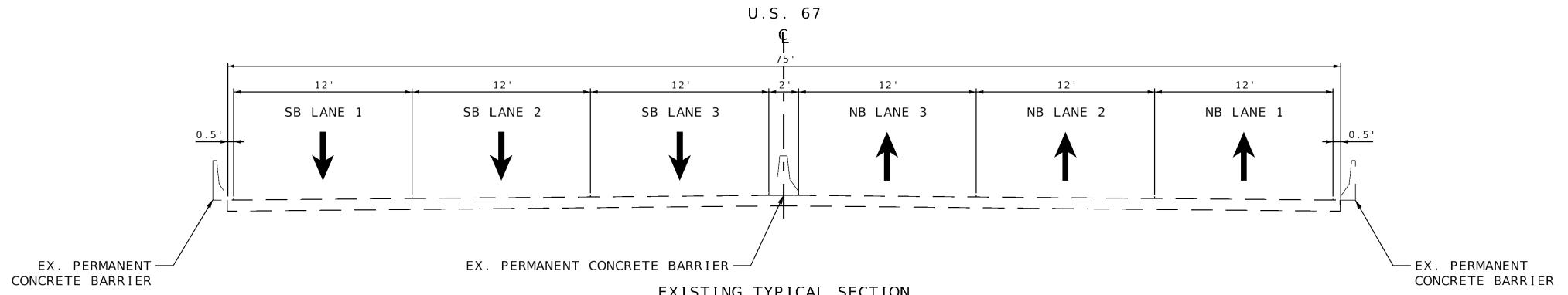
Jacobs

JACOBS ENGINEERING GROUP
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400
ST. LOUIS, MISSOURI 63110
PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY # 00704





IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



NOTE
STAGE 1 WORK ZONE BARRIER WALL REMOVAL FOR CROSSOVER AND APPROACH PAVEMENT IMPROVEMENTS.

STAGE 4 WORK ZONE REPLACE THE PERMANENT TYPE B BARRIER, CRASHWORTHY END TERMINAL (MASH), 6" CONCRETE MEDIAN STRIP, AND TUBULAR MARKERS.

BRIDGE A4514
TRAFFIC CONTROL
SHEET 1 OF 29

HORNER SHIFFRIN
THE POWERHOUSE AT UNION STATION
401 S 18th Street, Suite 100
St. Louis, MO 63103-2206
314-531-4321 FAX: 314-531-6966
www.HornerShiffrin.com
Certificate of Authority: 000159
Expiration Date: December 31, 2024

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



09/27/2024 9:39:15 AM
John E. Klein
MO PE-2009030035

DATE PREPARED

9/25/2024

ROUTE STATE

67 MO

DISTRICT SHEET NO.

SL 41

COUNTY

ST. LOUIS

JOB NO.

J6S3669

CONTRACT ID.

PROJECT NO.

BRIDGE NO.



09/27/2024 9:39:15 AM
John E. Klein
MO PE-2009030035

DATE PREPARED
9 / 25 / 2024

ROUTE STATE
67 MO

DISTRICT SHEET NO.
SL 42

COUNTY
ST. LOUIS

JOB NO.
J6S3669

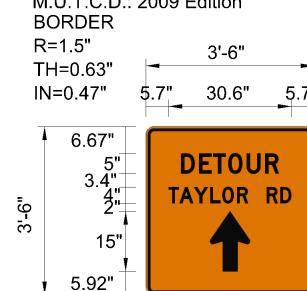
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PROJECT NO.

BRIDGE NO.

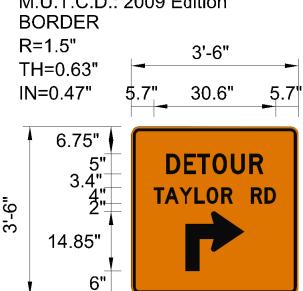
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

Panel Style: construction_guide.ssi
M.U.T.C.D.: 2009 Edition
BORDER
R=1.5"
TH=0.63"
IN=0.47"



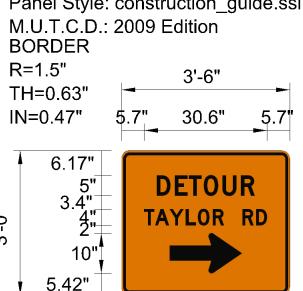
(60A)

Panel Style: construction_guide.ssi
M.U.T.C.D.: 2009 Edition
BORDER
R=1.5"
TH=0.63"
IN=0.47"



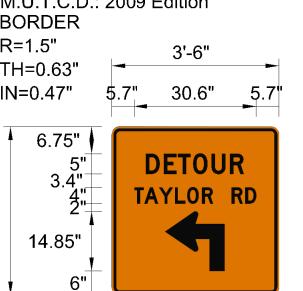
(60B)

Panel Style: construction_guide.ssi
M.U.T.C.D.: 2009 Edition
BORDER
R=1.5"
TH=0.63"
IN=0.47"



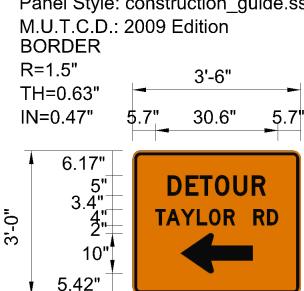
(60C)

Panel Style: construction_guide.ssi
M.U.T.C.D.: 2009 Edition
BORDER
R=1.5"
TH=0.63"
IN=0.47"



(60D)

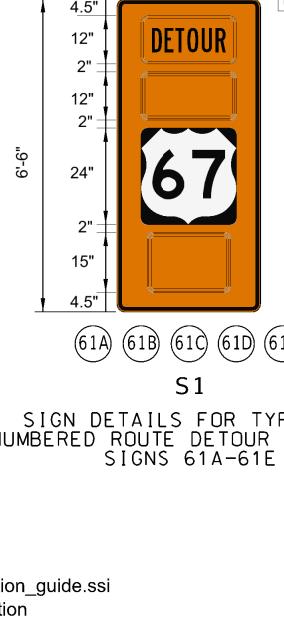
Panel Style: construction_guide.ssi
M.U.T.C.D.: 2009 Edition
BORDER
R=1.5"
TH=0.63"
IN=0.47"



(60E)

MO-41 SHF-FLAT SHEET FLUORESCENT;
2.250" Radius, 0.875" Border, 0.625" Indent,
Black on, Orange;
Table of letter and object lefts

6.000



(61A) (61B) (61C) (61D) (61E)

S1
SIGN DETAILS FOR TYPICAL
NUMBERED ROUTE DETOUR ASSEMBLY
SIGNS 61A-61E

Panel Style: construction_guide.ssi
M.U.T.C.D.: 2009 Edition
BORDER
R=1.5"
TH=0.63"
IN=0.47"



(62A)

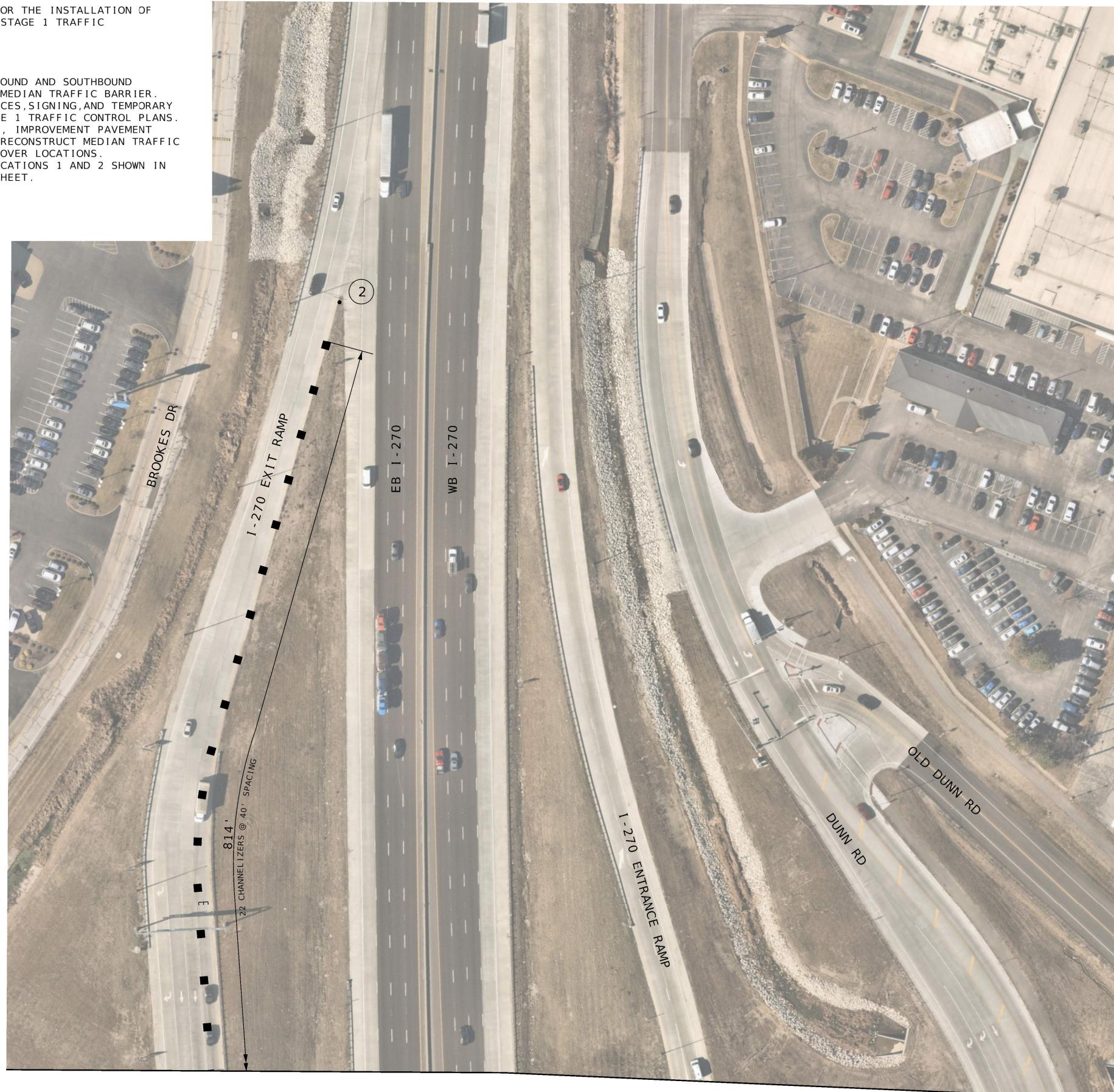
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M.U.T.C.D.: 2009 Edition
BORDER
R=1.5"
TH=0.63"
IN=0.47"

STAGE 0-CONSTRUCTION SEQUENCE

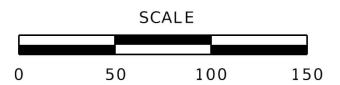
1. SET UP DAILY LANE CLOSURES FOR THE INSTALLATION OF TEMPORARY STRIPING SHOWN IN STAGE 1 TRAFFIC CONTROL PLANS.

STAGE 1-CONSTRUCTION SEQUENCE

1. CLOSE INSIDE LANES ON NORTHBOUND AND SOUTHBOUND U.S. 67 TO REMOVE PERMANENT MEDIAN TRAFFIC BARRIER.
2. INSTALL TRAFFIC CONTROL DEVICES, SIGNING, AND TEMPORARY DEVICES AS SHOWN IN THE STAGE 1 TRAFFIC CONTROL PLANS.
3. CONSTRUCT TEMPORARY PAVEMENT, IMPROVEMENT PAVEMENT UNDER PERMANENT MEDIAN, AND RECONSTRUCT MEDIAN TRAFFIC BARRIER OUTSIDE OF THE CROSSOVER LOCATIONS.
4. MODIFY OVERHEAD SIGNS FOR LOCATIONS 1 AND 2 SHOWN IN OVERHEAD SIGN MODIFICATION SHEET.



MATCHLINE SEE NEXT SHEET
STAGE 1 - INSIDE LANE CLOSURE



09/27/2024 10:38:15 AM
John E. Klein
MO PE-2009030035

STATE OF MISSOURI
JOHN E.
KLEIN
SIGNED
PROFESSIONAL
ENGINEER
09/27/2024 10:38:15 AM
John E. Klein
MO PE-2009030035

DATE PREPARED
9/26/2024

ROUTE
67 STATE
MO

DISTRICT
SL SHEET NO.
43

COUNTY
ST. LOUIS

JOB NO.
J653669

CONTRACT ID.

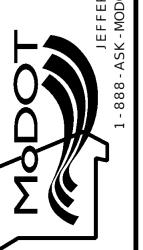
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



HORNER SHIFFRIN
THE POWER HOUSE AT UNION STATION
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Expiration Date: December 31, 2024

BRIDGE A4514
TRAFFIC CONTROL
SHEET 4 OF 29

MATCHLINE SEE PREVIOUS SHEET



MATCHLINE SEE NEXT SHEET

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Expiration Date: December 31, 2024



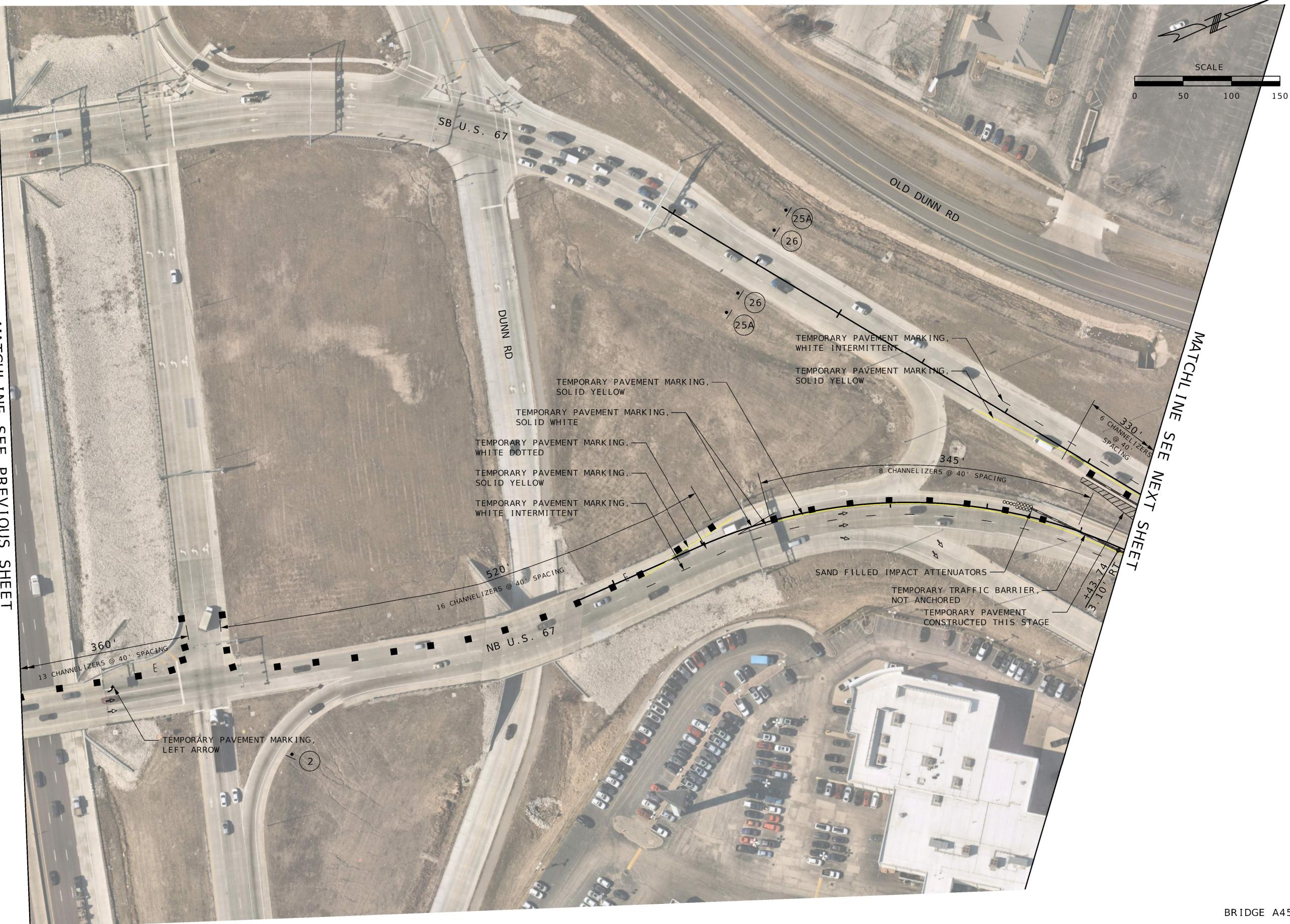
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

		DATE PREPARED									
		9/26/2024	9/26/2024								
ROUTE	STATE	67	MO								
DISTRICT	SHEET NO.	SL	44								
COUNTY	JOB NO.	ST. LOUIS									
	J653669	CONTRACT ID.									
		PROJECT NO.									
		BRIDGE NO.									
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DESCRIPTION											

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

		DATE PREPARED									
		9/26/2024	9/26/2024								
ROUTE	STATE	67	MO								
DISTRICT	SHEET NO.	SL	44								
COUNTY	JOB NO.	ST. LOUIS									
	J653669	CONTRACT ID.									
		PROJECT NO.									
		BRIDGE NO.									
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DESCRIPTION											

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



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SHIFFRIN**

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JOHN E.
KLEIN
NUMBER
2009030035
DATE PREPARED
9/26/2024
ROUTE STATE
67 MO
DISTRICT SHEET NO.
SL 45
COUNTY
ST. LOUIS
JOB NO.
J653669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

09/27/2024 08:38:15 AM
John E. Klein
MO PE-2009030035

BRIDGE A4514
TRAFFIC CONTROL
SHEET 6 OF 29



BRIDGE A4514
TRAFFIC CONTROL
SHEET 7 OF 29

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MODOT
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL JEFFERSON CITY, MO 65102
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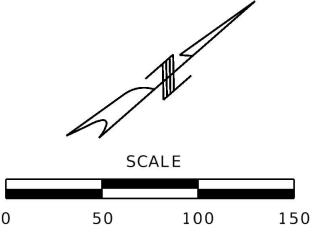
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DISTRICT	Sheet No.	SL	46														
COUNTY	ST. LOUIS																
JOB NO.	J653669																
CONTRACT ID.																	
PROJECT NO.																	
BRIDGE NO.																	
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DESCRIPTION	DATE																

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



MATCHLINE SEE PREVIOUS SHEET

STAGE 1 - INSIDE LANE CLOSURE



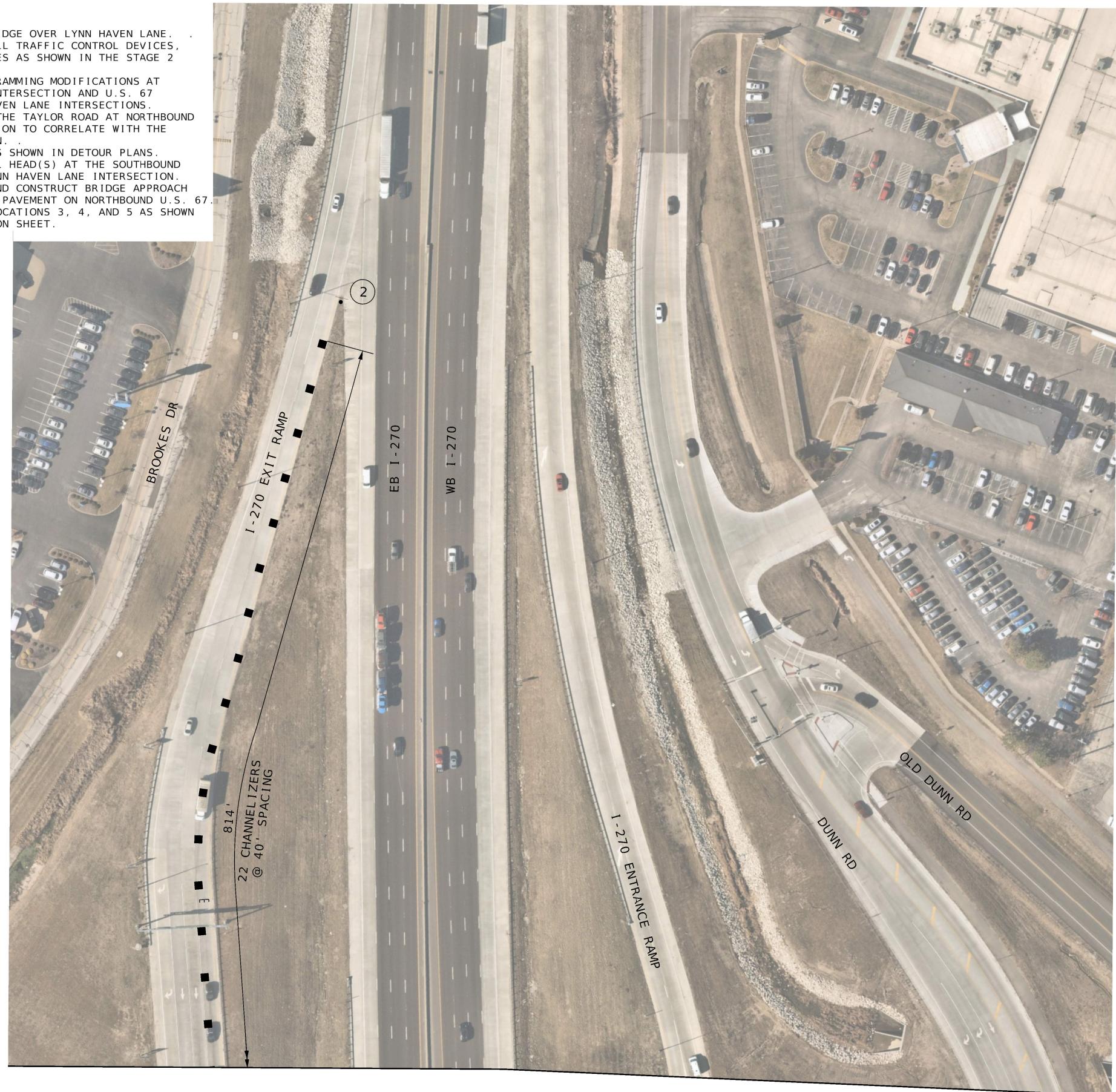
0 50 100 150

 JOHN E. KLEIN NUMBER 2009030035		DATE PREPARED	
		9/26/2024	9:38:15 AM
ROUTE	STATE	67	MO
DISTRICT	SHEET NO.	SL	47
COUNTY	JOB NO.	ST. LOUIS	J6S3669
	CONTRACT ID.		
	PROJECT NO.		
	BRIDGE NO.		
		IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.	
		 MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
		 THE POWER HOUSE AT UNION STATION 401 S. 18th Street, Suite 100 St. Louis, MO 63103-2206 314-531-4321 FAX: 314-531-6966 www.HornerShiffrin.com Certificate of Authority: 000159 Expiration Date: December 31, 2024	

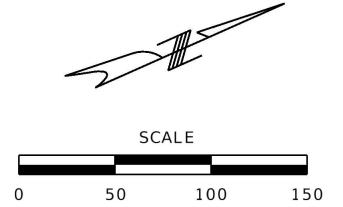
BRIDGE A4514
 TRAFFIC CONTROL
 SHEET 8 OF 29

STAGE 2-CONSTRUCTION SEQUENCE

- CLOSE NORTHBOUND U.S. 67 BRIDGE OVER LYNN HAVEN LANE.
- SET UP CROSSOVERS AND INSTALL TRAFFIC CONTROL DEVICES, SIGNING, AND TEMPORARY DEVICES AS SHOWN IN THE STAGE 2 TRAFFIC CONTROL PLANS.
- PERFORM TRAFFIC SIGNAL PROGRAMMING MODIFICATIONS AT U.S. 67 RAMPS/TAYLOR ROAD INTERSECTION AND U.S. 67 RAMP/OLD DUNN ROAD/LYNN HAVEN LANE INTERSECTIONS. MODIFY THE SIGNAL HEADS AT THE TAYLOR ROAD AT NORTHBOUND U.S. 67 EXIT RAMP INTERSECTION TO CORRELATE WITH THE TEMPORARY LANE CONFIGURATION.
- INSTALL TEMPORARY SIGNING AS SHOWN IN DETOUR PLANS.
- COVER THE CONFLICTING SIGNAL HEAD(S) AT THE SOUTHBOUND U.S. 67 EXIT RAMP AT THE LYNN HAVEN LANE INTERSECTION.
- OVERLAY NORTHBOUND BRIDGE AND CONSTRUCT BRIDGE APPROACH SLABS AND CONCRETE APPROACH PAVEMENT ON NORTHBOUND U.S. 67.
- MODIFY OVERHEAD SIGNS FOR LOCATIONS 3, 4, AND 5 AS SHOWN IN OVERHEAD SIGN MODIFICATION SHEET.



MATCHLINE SEE NEXT SHEET
STAGE 2 - NB BRIDGE CLOSURE



09/27/2024 8:38:15 AM
John E. Klein
MO PE-2009030035

DATE PREPARED
9/26/2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 48
COUNTY ST. LOUIS

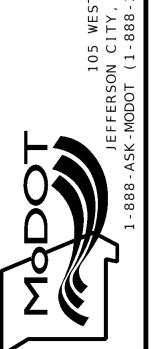
JOB NO. J653669
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



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BRIDGE A4514
TRAFFIC CONTROL
SHEET 9 OF 29

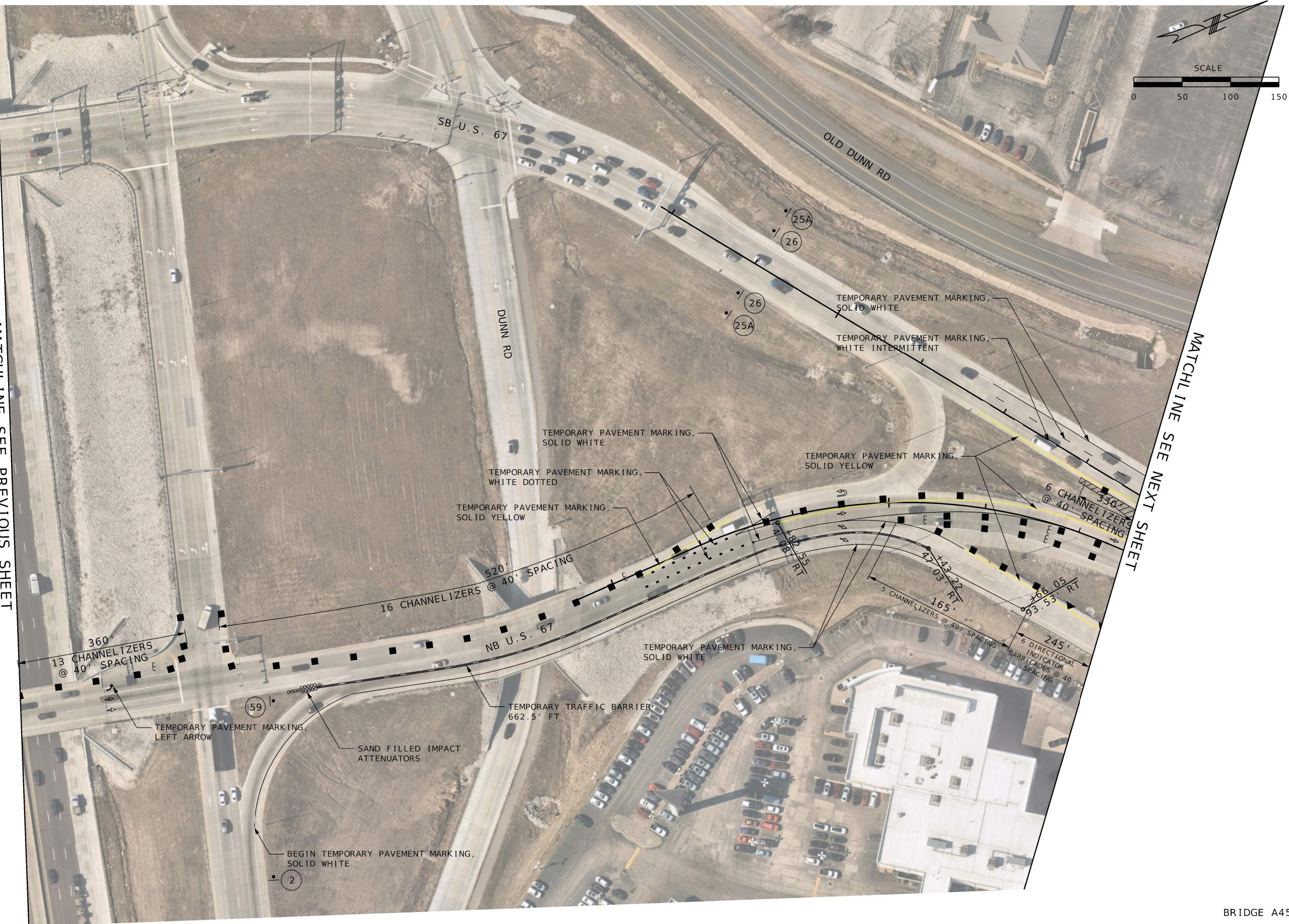
MATCHLINE SEE PREVIOUS SHEET

STAGE 2 - NB BRIDGE CLOSURE

BRIDGE A4514
TRAFFIC CONTROL
SHEET 10 OF 29

**HORNER
SHIFFRIN**
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STAGE 2 - NB BRIDGE CLOSURE

BRIDGE A4514
TRAFFIC CONTROL
SHEET 11 OF 29

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

STATE OF MISSOURI
JOHN E.
KLEIN
NUMBER
2009030035
DATE PREPARED
9/26/2024
ROUTE STATE
67 MO
DISTRICT SHEET NO.
SL 50
COUNTY
ST. LOUIS
JOB NO.
J653669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



SEE EASTBOUND LYNN
HAVEN LANE DETOUR PLANS.

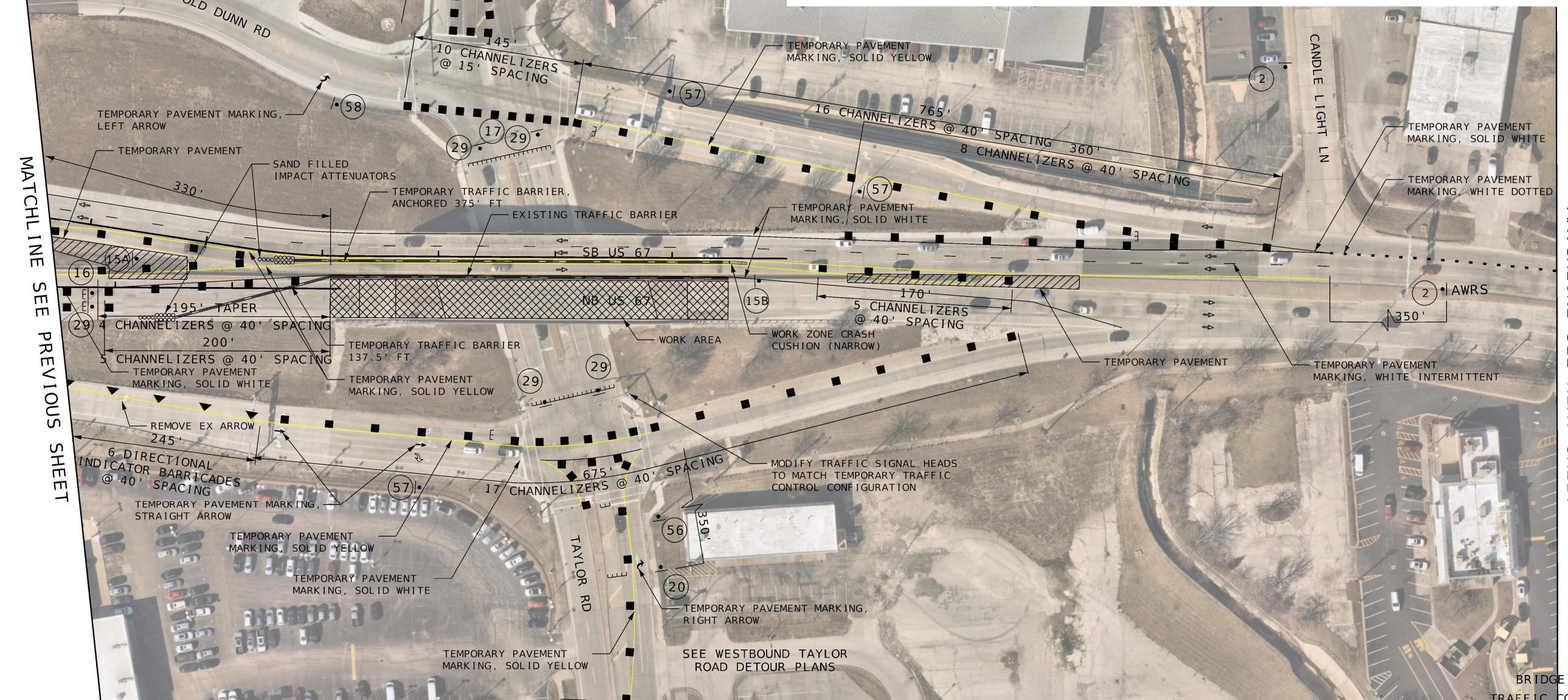
MATCHLINE



MATCHLINE



MATCHLINE SEE PREVIOUS SHEET



SHIFFRIN
THE POWERHOUSE AT UNION STATION
401 S. 18th St., Ste. 400
ST. LOUIS, MO 63103-2296
314-531-4321 FAX: 314-531-6866
www.HornetShiffrin.com
Certification of Authority: 00159
Expiration Date: December 31, 2024

100

STAGE 2 - NB BRIDGE CLOSURE

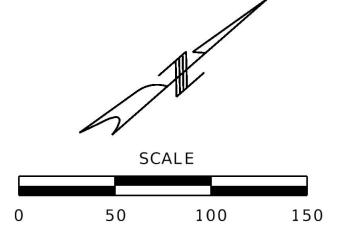
BRIDGE A4514
TRAFFIC CONTROL
SHEET 12 OF 29



MATCH LINE SEE PREVIOUS SHEET

STAGE 2 - NB BRIDGE CLOSURE

BRIDGE A4514
TRAFFIC CONTROL
SHEET 13 OF 29



JOHN E.
KLEIN
NUMBER
2009030035

09/27/2024 8:39:15 AM
John E. Klein
MO PE-2009030035

DATE PREPARED
9/26/2024

ROUTE STATE
67 MO

DISTRICT SHEET NO.
SL 52

COUNTY
ST. LOUIS

JOB NO.
J653669

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	DATE	DESCRIPTION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
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THE POWER HOUSE AT UNION STATION
401 S. 18th Street, Suite 200
St. Louis, MO 63123-2206
314-531-4321 FAX: 314-531-6966
www.HornShirrin.com
Certificate of Authority: 000159
Expiration Date: December 31, 2024

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

STAGE 3-CONSTRUCTION SEQUENCE

- CLOSE SOUTHBOUND U.S. 67 BRIDGE OVER LYNN HAVEN LANE.
- SET UP CROSSOVERS AND INSTALL TRAFFIC CONTROL DEVICES, SIGNING, AND TEMPORARY DEVICES AS SHOWN IN THE STAGE 3 TRAFFIC CONTROL PLANS.
- MAINTAIN TEMPORARY SIGNING INSTALLED FOR STAGE 2 DETOURS.
- OVERLAY SOUTHBOUND BRIDGE AND CONSTRUCT BRIDGE APPROACH SLABS AND CONCRETE APPROACH PAVEMENT ON SOUTHBOUND U.S. 67.



MATCHLINE SEE NEXT SHEET
STAGE 3 - SB BRIDGE CLOSURE

SCALE
0 50 100 150



09/27/2024 8:38:15 AM
John E. Klein
MO PE-2009030035

DATE PREPARED
9/25/2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 53

COUNTY ST. LOUIS
JOB NO. J653669
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	DATE	DESCRIPTION

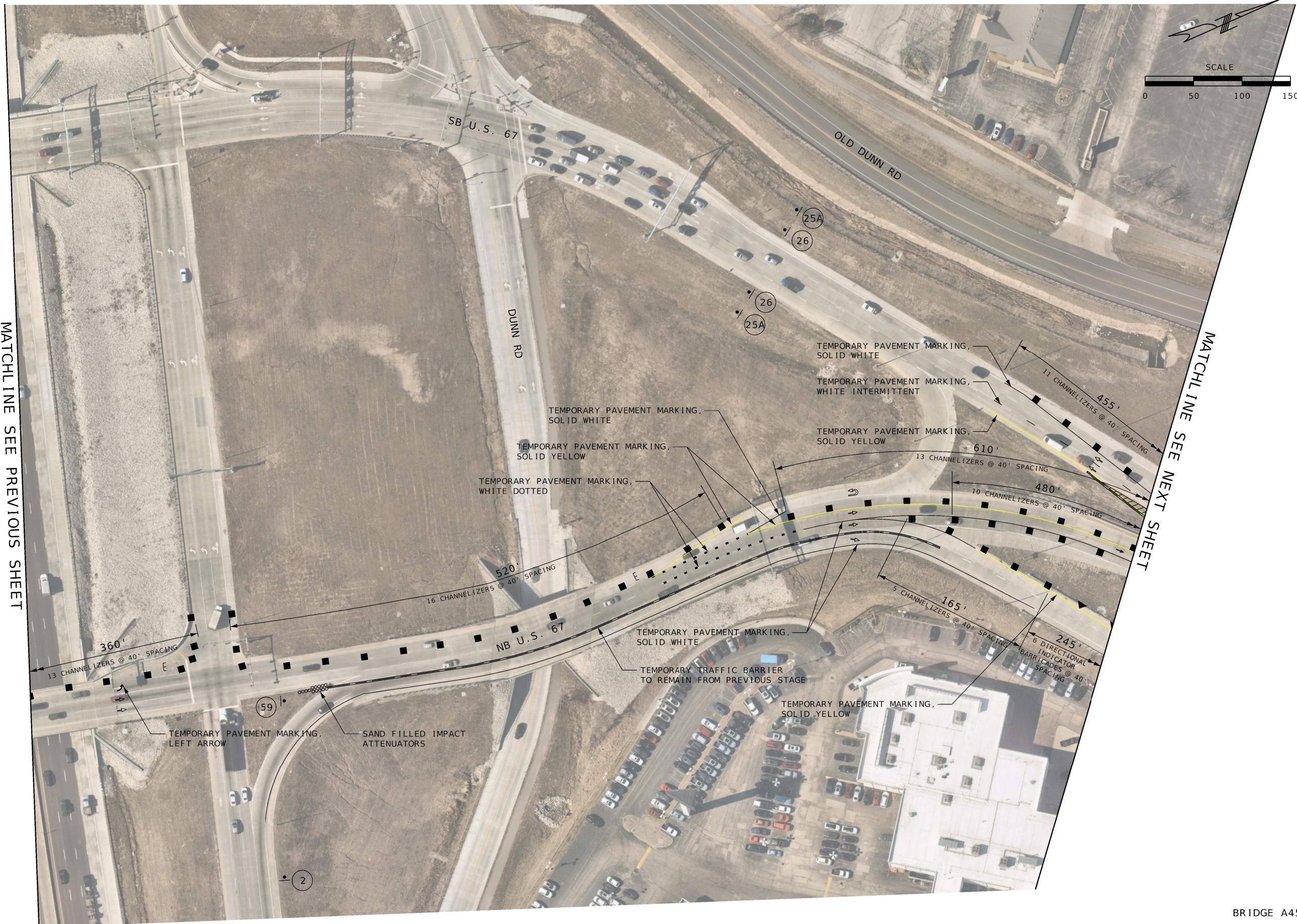
1-888-ASK-MODOT (1-888-275-6636)



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BRIDGE A4514
TRAFFIC CONTROL
SHEET 14 OF 29

STAGE 3 - SB BRIDGE CLOSURE

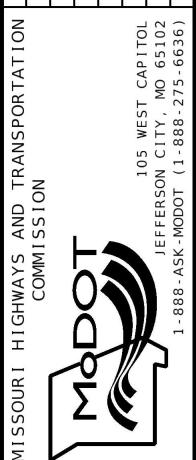


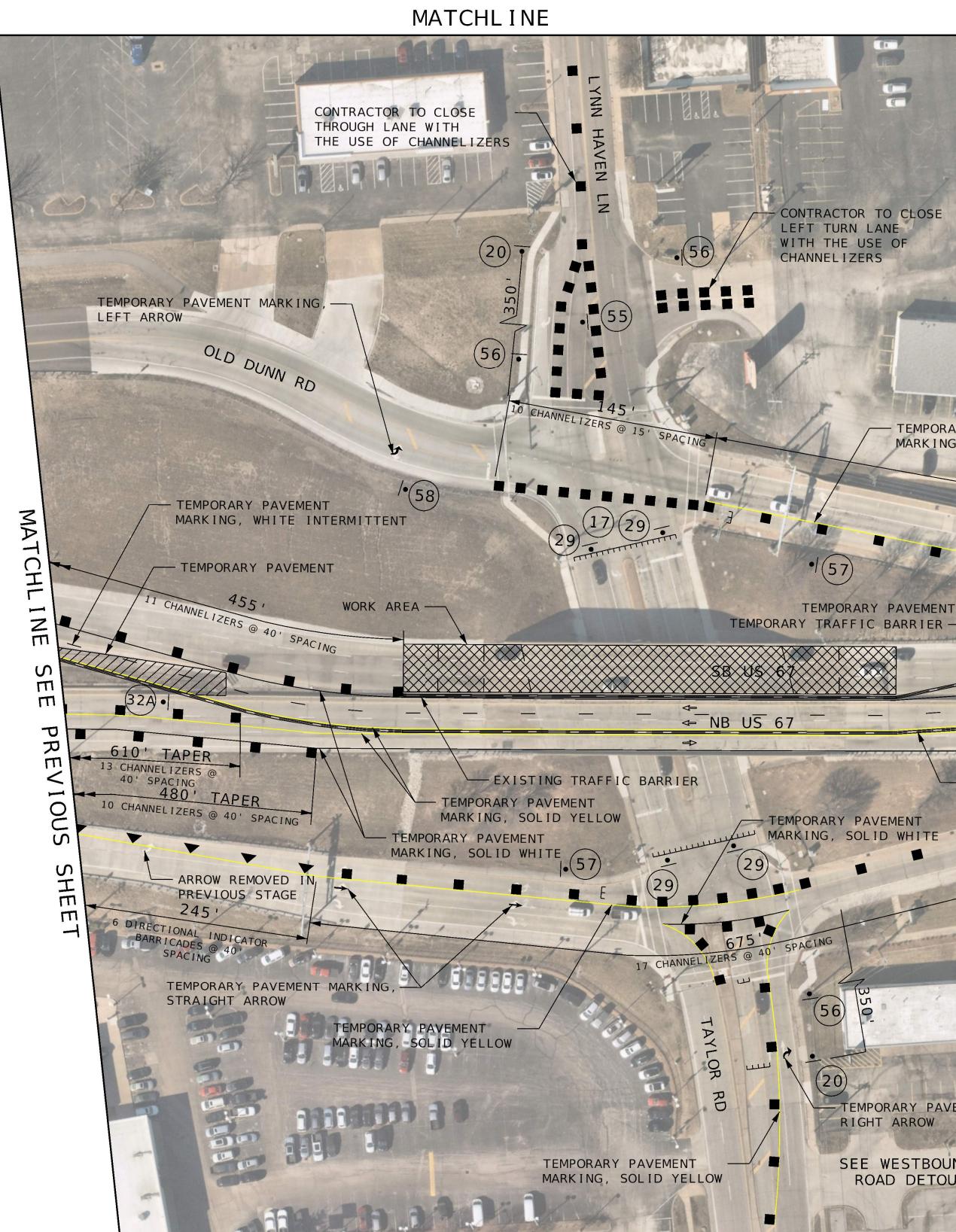
STATE OF MISSOURI
JOHN E.
KELLY
NUMBER
2009030035
SWORN PROFESSIONAL
ENGINEER
1/25/2024

DATE PREPARED
9/26/2024

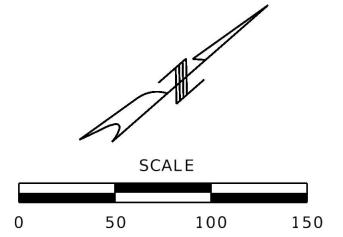
ROUTE 67	STATE MO
DISTRICT SL	SHEET NO. 55
COUNTY ST. LOUIS	
JOB NO. J653669	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.





SEE EASTBOUND LYNN
HAVEN LANE DETOUR PLANS.



DATE PREPARED
9/26/2024
ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 56
COUNTY ST. LOUIS
JOB NO. J653669 CONTRACT ID.
PROJECT NO.
BRIDGE NO.

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

HORNER SHIFFRIN
THE POWER HOUSE AT UNION STATION
401 S. 18th Street, Suite 100
St. Louis, MO 63103-2206
314-531-4321 FAX: 314-531-6966
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Certificate of Authority: 000159
Expiration Date: December 31, 2024

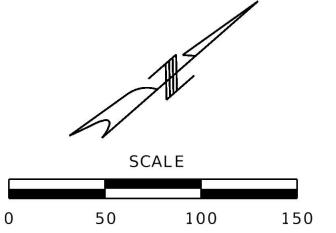
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

STAGE 3 - SB BRIDGE CLOSURE



MATCHLINE SEE PREVIOUS SHEET

STAGE 3 - SB BRIDGE CLOSURE



0 50 100 150



9/25/2024

DATE PREPARED

9/26/2024

ROUTE STATE

67 MO

DISTRICT SHEET NO.

SL 57

COUNTY

ST. LOUIS

JOB NO.

J653669

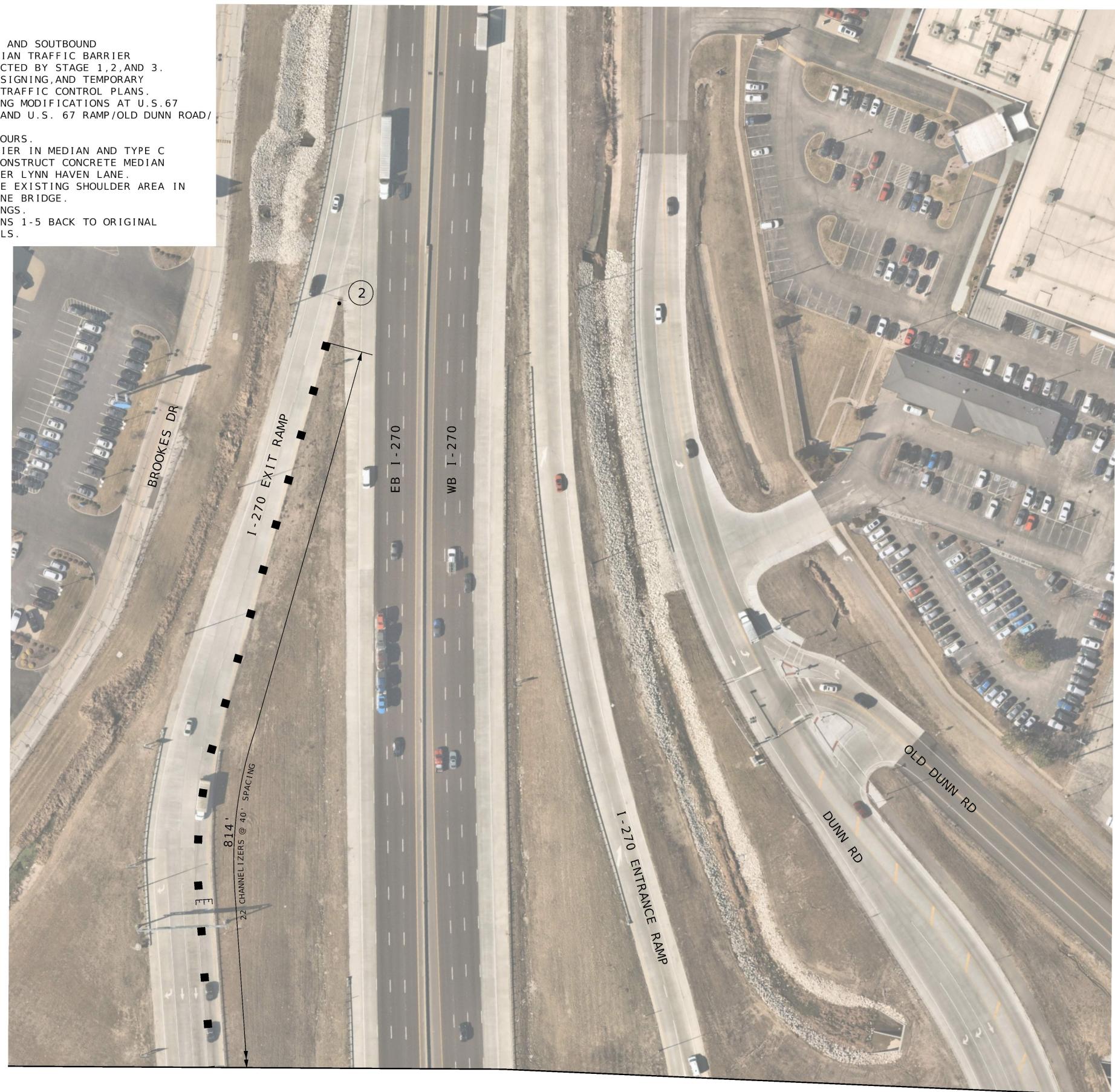
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PROJECT NO.

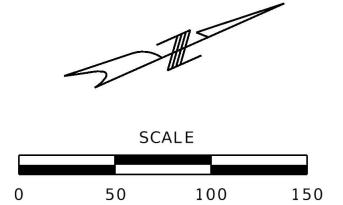
BRIDGE NO.

STAGE 4-CONSTRUCTION SEQUENCE

- CLOSE INSIDE LANES ON NORTHBOUND AND SOUTHBOUND U.S. 67 TO INSTALL PERMANENT MEDIAN TRAFFIC BARRIER AND ANY OTHER APPURTENANCES IMPACTED BY STAGE 1, 2, AND 3.
- INSTALL TRAFFIC CONTROL DEVICES, SIGNING, AND TEMPORARY DEVICES AS SHOWN IN THE STAGE 4 TRAFFIC CONTROL PLANS.
- PERFORM TRAFFIC SIGNAL PROGRAMMING MODIFICATIONS AT U.S. 67 RAMPS/TAYLOR ROAD INTERSECTIONS AND U.S. 67 RAMP/OLD DUNN ROAD/LYNN HAVEN LANE INTERSECTION.
- REMOVE TEMPORARY SIGNING FOR DETOURS.
- CONSTRUCT PERMANENT TRAFFIC BARRIER IN MEDIAN AND TYPE C CRASHWORTHY END TERMINAL AND RECONSTRUCT CONCRETE MEDIAN STRIP NORTH OF U.S. 67 BRIDGE OVER LYNN HAVEN LANE.
- REMOVE TEMPORARY PAVEMENT OUTSIDE EXISTING SHOULDER AREA IN GORE AREA SOUTH OF LYNN HAVEN LANE BRIDGE.
- INSTALL PERMANENT PAVEMENT MARKINGS.
- MODIFY OVERHEAD SIGNS AT LOCATIONS 1-5 BACK TO ORIGINAL CONFIGURATION WITH EXISTING PANELS.



MATCHLINE SEE NEXT SHEET
STAGE 4 - INSIDE LANE CLOSURE



1/25/2024

DATE PREPARED

9/26/2024

ROUTE 67

STATE MO

DISTRICT SL

SHEET NO. 58

COUNTY ST. LOUIS

JOB NO. J653669

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	DATE	DESCRIPTION

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



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THE POWER HOUSE AT UNION STATION
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St. Louis, MO 63103-2206
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Certificate of Authority: 000159
Expiration Date: December 31, 2024

BRIDGE A4514
TRAFFIC CONTROL
SHEET 19 OF 29

MATCHLINE SEE PREVIOUS SHEET



STAGE 4 - INSIDE LANE CLOSURE

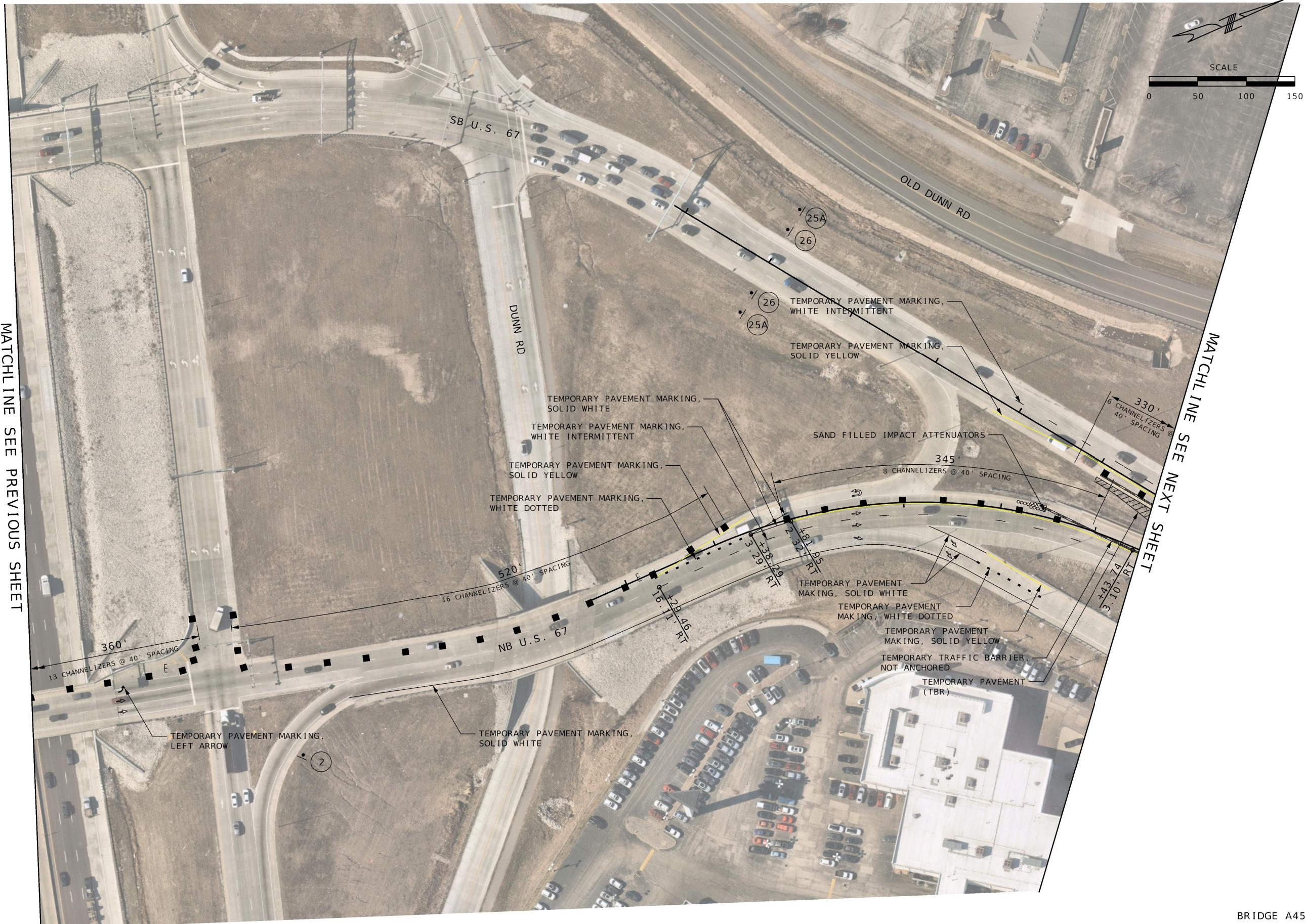
MATCHLINE SEE NEXT SHEET

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THE POWER HOUSE AT UNION STATION
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St. Louis, MO 63103-2206
314-531-4321 FAX: 314-531-6966
www.HornerShiffrin.com
Certificate of Authority: 000159
Expiration Date: December 31, 2024



STATE OF MISSOURI	
JOHN E. KEECH, P.E.	
REGISTERED PROFESSIONAL ENGINEER	
2009030035	
9/25/2024	
DATE PREPARED	
9/26/2024	
ROUTE	STATE
67	MO
DISTRICT	SHEET NO.
SL	59
COUNTY	
ST. LOUIS	
JOB NO.	
J653669	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



STAGE 4 - INSIDE LANE CLOSURE

BRIDGE A4514
TRAFFIC CONTROL
SHEET 21 OF 29



1.000 NEW YORK CITY 1900 (1901)

...\058-062 TC 19-23 J6S3669 i50 A4514 STG4.dgn 8:51:03 AM 9/26/2024



MATCHLINE SEE NEXT SHEET

BRIDGE A4514

TRAFFIC CONTROL
SHEET 22 OF 29

HORNER SHIFFRIN
THE POWER HOUSE AT UNION STATION
401 S. 18th Street, Suite 100
St. Louis, MO 63103-2206
314-531-4321 FAX: 314-531-6966
www.HornerShiffrin.com
Certificate of Authority: 000159
Expiration Date: December 31, 2024



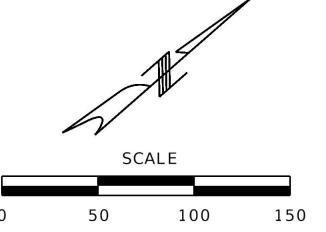
DATE PREPARED	
9/26/2024	
ROUTE	STATE
67	MO
DISTRICT	SHEET NO.
SL	61
COUNTY	
ST. LOUIS	
JOB NO.	
J653669	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



MATCHLINE SEE PREVIOUS SHEET

STAGE 4 - INSIDE LANE CLOSURE



0 50 100 150



9/25/2024

DATE PREPARED

9/26/2024

ROUTE 67

STATE MO

DISTRICT SL

SHEET NO. 62

COUNTY ST. LOUIS

JOB NO. J653669

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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

MODOT

THE POWERHOUSE AT UNION STATION

401 S. 18th Street, Suite 200

ST. LOUIS, MO 63123-2206

314-432-1121 FAX: 314-531-6966

www.HornShifrin.com

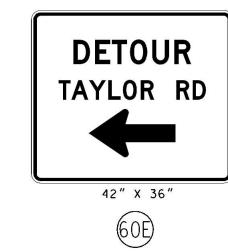
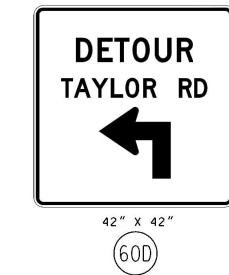
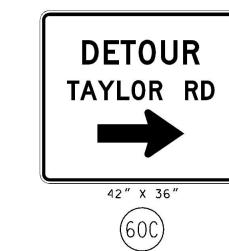
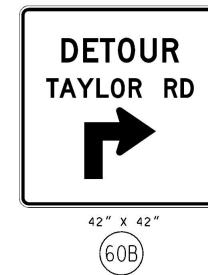
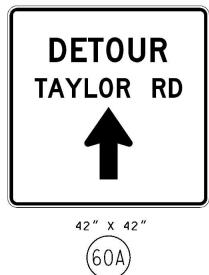
Certificate of Authority: 000159

Expiration Date: December 31, 2024

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401 S. 18th Street, Suite 200
ST. LOUIS, MO 63123-2206
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Certificate of Authority: 000159
Expiration Date: December 31, 2024

BRIDGE A4514
TRAFFIC CONTROL
SHEET 23 OF 29

TAYLOR RD EAST DETOUR (STAGE 2 AND 3)



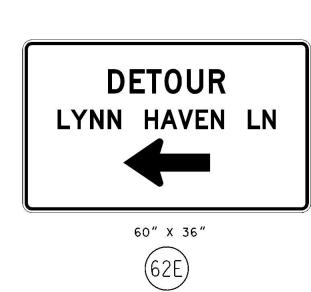
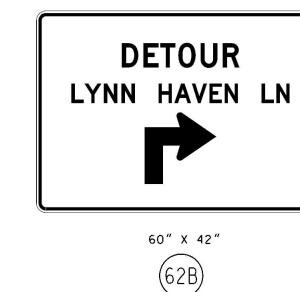
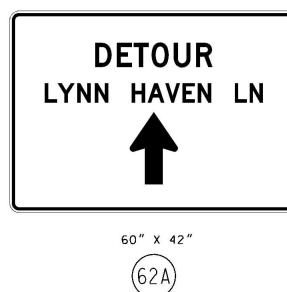
BRIDGE A4514
TRAFFIC CONTROL
SHEET 24 OF 29

HORNER SHIFFRIN
THE POWER HOUSE AT UNION STATION
401 S. 18th Street, Suite 200
St. Louis, MO 63103-2206
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MODOT
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

STATE OF MISSOURI	
JOHN E. KELLY, P.E. NUMBER 2009030035	
APPROVED PROFESSIONAL ENGINEER 1/25/2024	
DATE PREPARED 9/25/2024	
ROUTE 67	STATE MO
DISTRICT SL	SCHEET NO. 63
COUNTY ST. LOUIS	
JOB NO. J6S3669	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.	

LYNN HAVEN LN WEST DETOUR (STAGE 2 AND 3)



BRIDGE A4514
TRAFFIC CONTROL
SHEET 25 OF 29

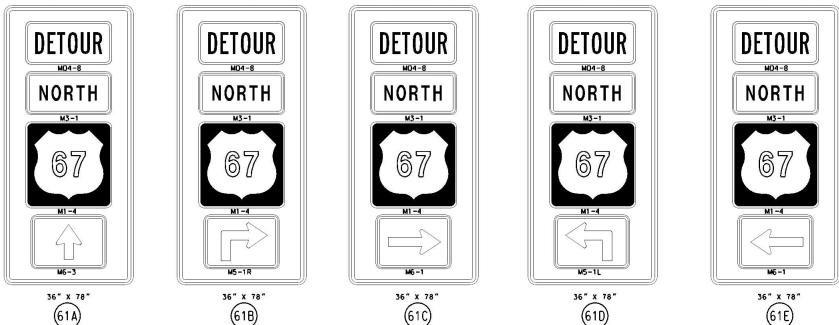
HORNER SHIFFRIN
THE POWER HOUSE AT UNION STATION
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St. Louis, MO 63103-2206
314-432-1100 FAX: 314-531-6966
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Certificate of Authority: 000159
Expiration Date: December 31, 2024

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

STATE OF MISSOURI	
JOHN E. KELLY, P.E. CHAMBER 2009030035	
APPROVED PROFESSIONAL 1/25/2024	
DATE PREPARED 9/25/2024	
ROUTE 67	STATE MO
DISTRICT SL	SHEET NO. 64
COUNTY ST. LOUIS	
JOB NO. J6S3669	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

NORTHBOUND U. S. 67 DETOUR (STAGE 2 AND 3)



BRIDGE A4514
TRAFFIC CONTROL
SHEET 26 OF 29

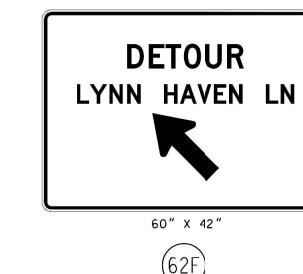
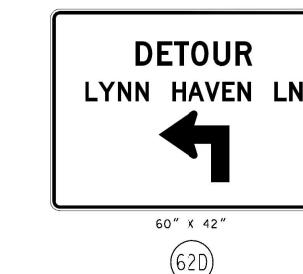
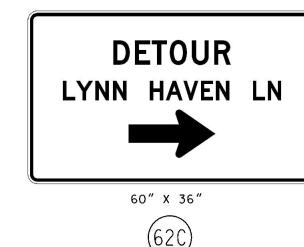
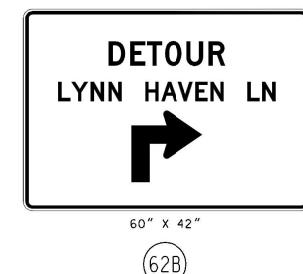
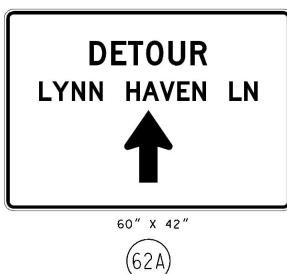
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401 S. 18th Street, Suite 100
St. Louis, MO 63103-2206
314-531-4321 FAX: 314-531-6966
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Certificate of Authority: 000159
Expiration Date: December 31, 2024

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

STATE OF MISSOURI	
JOHN E. KENNEDY, P.E.	
CHAMBER	
2009030035	
1/25/2024	
DATE PREPARED	
9/25/2024	DATE
ROUTE 67	STATE MO
DISTRICT SL	SCHEET NO. 65
COUNTY ST. LOUIS	
JOB NO. J6S3669	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

LYNN HAVEN LN WEST DETOUR



BRIDGE A4514
TRAFFIC CONTROL
SHEET 27 OF 29

HORNER SHIFFRIN
THE POWERHOUSE AT UNION STATION
401 S 18th Street, Suite 100
St. Louis, MO 63103-2206
314-531-4321 FAX: 314-531-6966
www.HornerShiffrin.com
Certificate of Authority: 000159
Expiration Date: December 31, 2024



STATE OF MISSOURI
JOHN E.
KELLY
NUMBER
2009030035
PROFESSIONAL
ENGINEER
1/25/2024

DATE PREPARED	9/25/2024
ROUTE	STATE
67	MO
DISTRICT	Sheet No.
SL	66
COUNTY	
ST. LOUIS	
JOB NO.	J6S3669
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

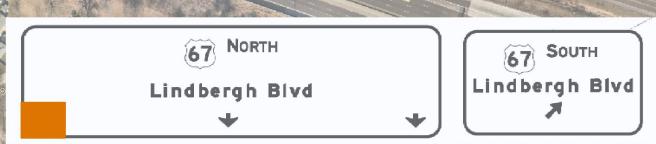
OVERHEAD SIGN MODIFICATION (ALL STAGES)

STATE OF MISSOURI
JOHN E.
KEIN
NUMBER
2009030035
REGISTERED PROFESSIONAL ENGINEER
1/25/2024

MISSOURI DEPARTMENT OF REVENUE 35 SHEET NO. 67	
RECEIVED 024 STATE MO	
NAME LUISS 69 ID. NO. IO.	
15/2024 JAN NATIONAL ENGINEER	

BRIDGE A4514
TRAFFIC CONTROL
SHEET 28 OF 29

EXISTING

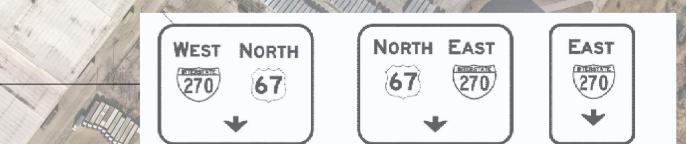


(COVER)

LOCATION 1

LOCATION 2

EXISTING



NOTES :

LOCATION 1

- 1) LEFT THROUGH ARROW TO BE COVERED ON NORTH U.S. 67 LINDBERGH BLVD OVERHEAD SIGN.
- 2) CONTRACTOR TO TEMPORARILY REMOVE NORTH U.S. 67 SIGN.

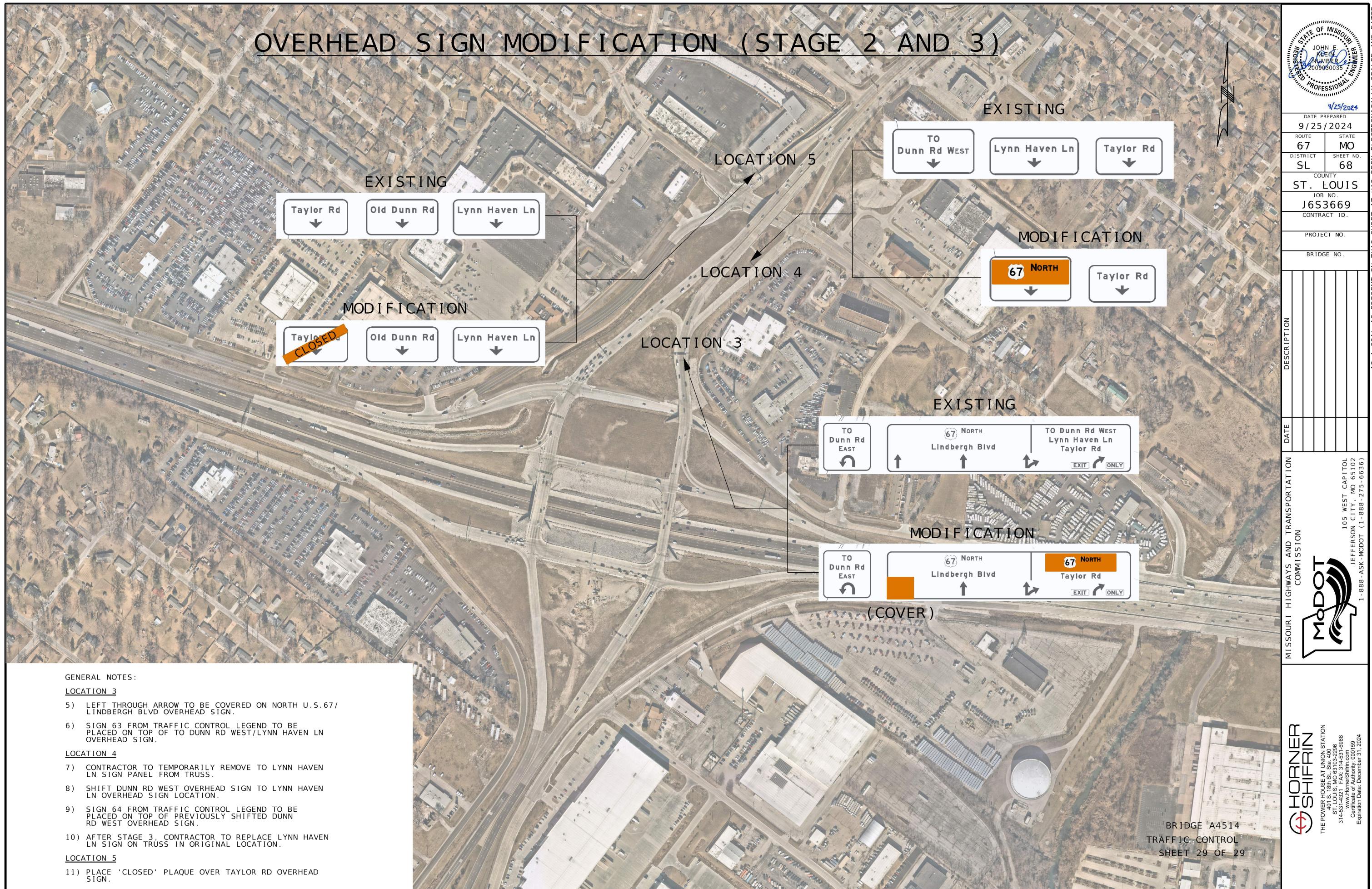
2, CONTRA
FROM T

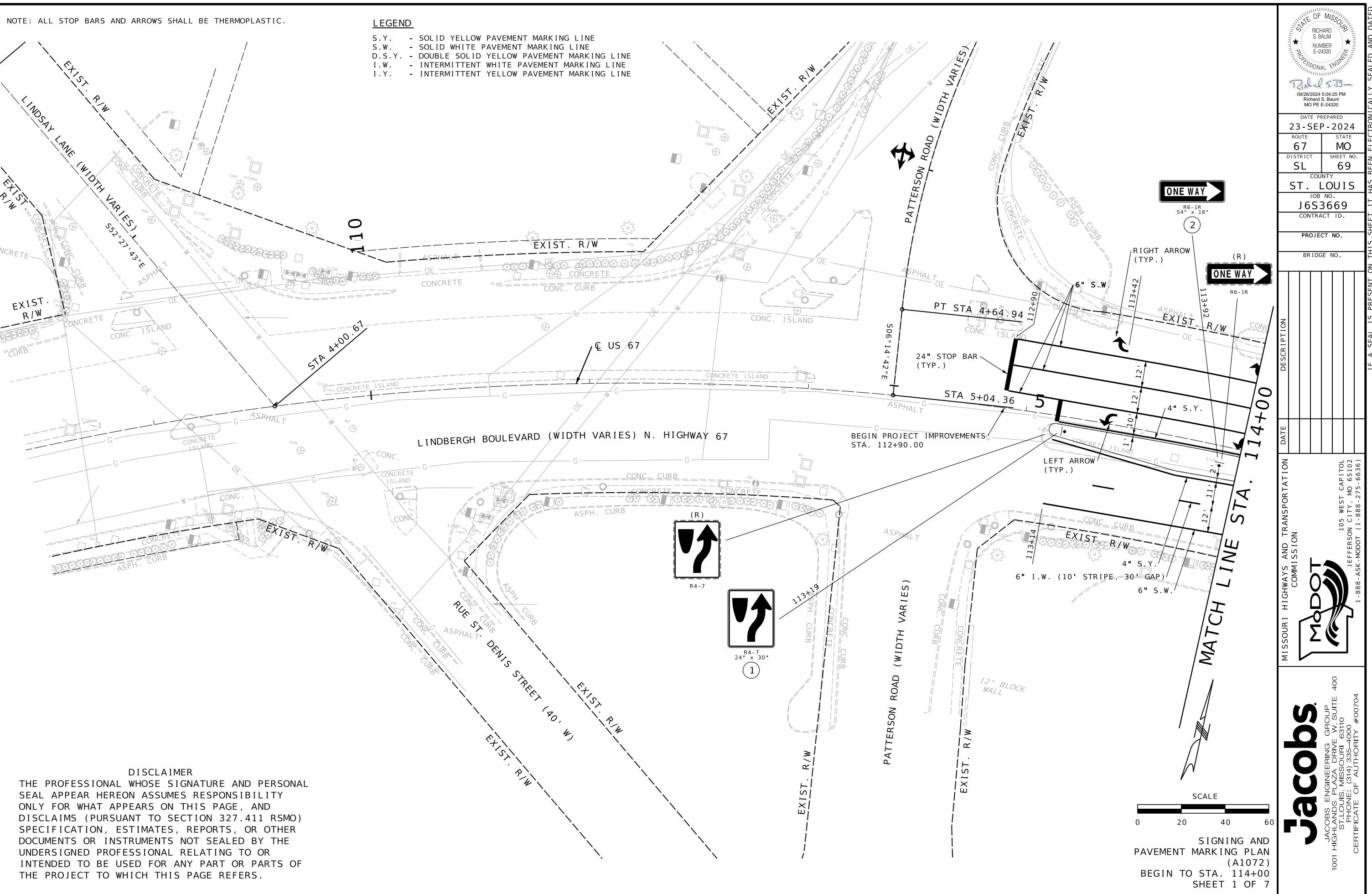
LOCATION 4

3) SHIFT WEST 270/U.S. 67 OVERHEAD SIGN TO LOCATION OF NORTH U.S. 67 OVERHEAD SIGN.

4) AFTER STAGE 4, CONTRACTOR TO REPLACE EXISTING NORTH U.S. 67 SIGN ON TRUSS IN ORIGINAL LOCATION.

OVERHEAD SIGN MODIFICATION (STAGE 2 AND 3)





NOTE: ALL STOP BARS AND ARROWS SHALL BE THERMOPLASTIC.

LEGEND

S.Y. - SOLID YELLOW PAVEMENT MARKING LINE
S.W. - SOLID WHITE PAVEMENT MARKING LINE
D.S.Y. - DOUBLE SOLID YELLOW PAVEMENT MARKING LINE
I.W. - INTERMITTENT WHITE PAVEMENT MARKING LINE
I.Y. - INTERMITTENT YELLOW PAVEMENT MARKING LINE

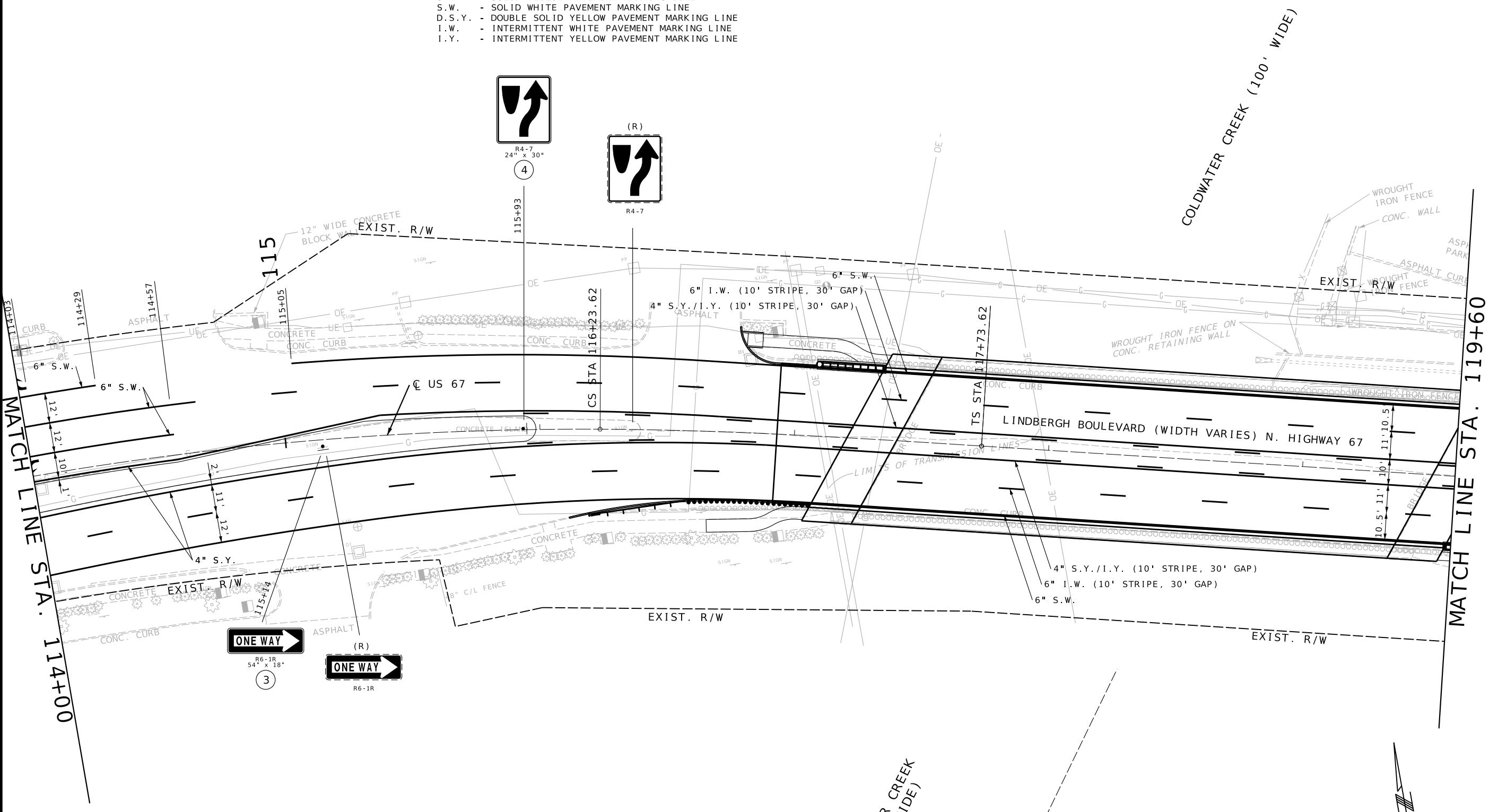


24" R4-7 x 30"

4

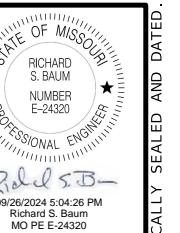


R4-7



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DATE PREPARED
23-SEP-2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 70

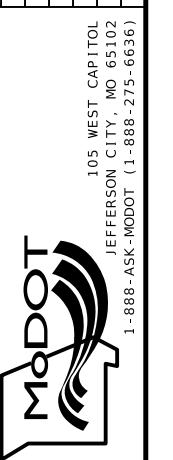
COUNTY ST. LOUIS

JOB NO. J6S3669
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



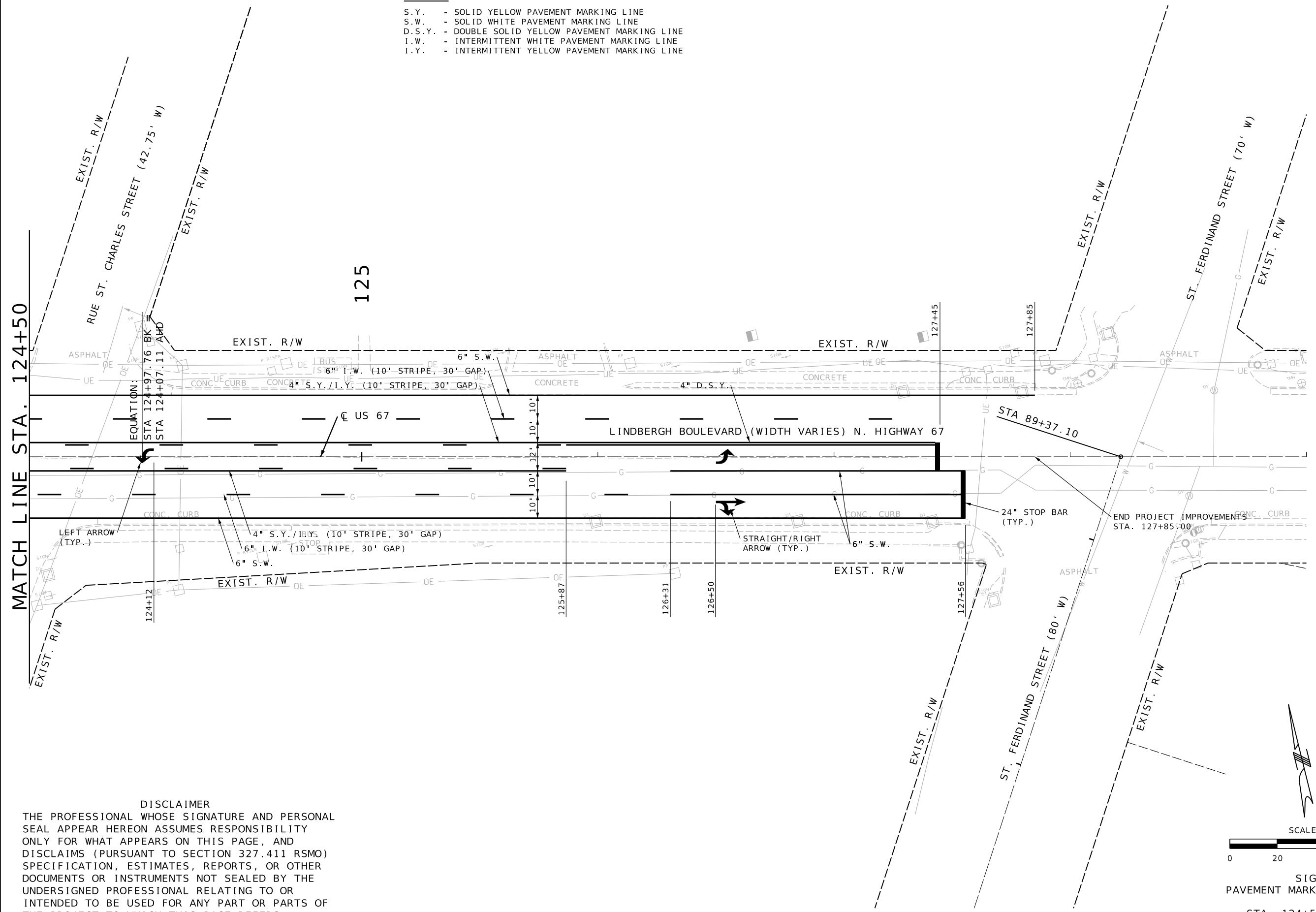
Jacobs
JACOBS ENGINEERING GROUP
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400
ST. LOUIS, MISSOURI 63110
PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY #00704

SCALE
0 20 40 60
SIGNING AND
PAVEMENT MARKING PLAN
(A1072)
STA. 114+00 TO STA. 119+60
SHEET 2 OF 7

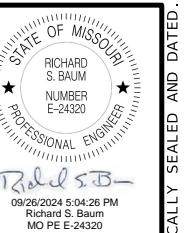
NOTE: ALL STOP BARS AND ARROWS SHALL BE THERMOPLASTIC.

LEGEND

S.Y. - SOLID YELLOW PAVEMENT MARKING LINE
S.W. - SOLID WHITE PAVEMENT MARKING LINE
D.S.Y. - DOUBLE SOLID YELLOW PAVEMENT MARKING LINE
I.W. - INTERMITTENT WHITE PAVEMENT MARKING LINE
I.Y. - INTERMITTENT YELLOW PAVEMENT MARKING LINE



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DATE PREPARED
23-SEP-2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 72
COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

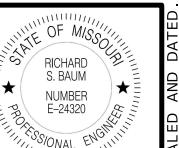
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MODOT 105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

Jacobs
JACOBS ENGINEERING GROUP
1001 PLAZA DRIVE, SUITE 400
ST. LOUIS, MISSOURI 63110
PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY #00704

SIGNING AND
PAVEMENT MARKING PLAN
(A1072)
STA. 124+50 TO END
SHEET 4 OF 7

SCALE
0 20 40 60



IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

SIGNS					CONCRETE FOOTINGS EMBEDDED	STRUCTURAL STEEL POSTS *					PIPE POSTS *			BACKING BARS **			U-CHANNEL POST	PERFORATED SQUARE STEEL TUBE												REMARKS AND OTHER REQUIRED ITEMS								
902 SIGNAL SIGNS TABULATED ON D-37A SHEET					ITEM NO. 9031010	POST DES. NO.	POST NO. 1	POST NO. 2	POST NO. 3	LBS PER FT	TOTAL LBS	ITEM NO. 9031210	PIPE SIZE NO. 1	POST NO. 1	POST NO. 2	LBS PER FT	TOTAL LBS	ITEM NO. 9031220	2" X 3/8" BARS @ 2.55 LBS PER FT			ITEM NO. 9031250A	POST NO. 1	POST NO. 2	TOTAL	ANCHORS			POST NO. 1	POST NO. 2	TOTAL	ANCHORS			BREAK-AWAY ASSEMBLY			
SIGN NO.	SIGN SIZE	STATION	HORZ CLEAR IF NOT STD	LOCATION	SIGN DTL. SHT. NO.	CY	LF	LF	LF	LBS	ITEM NO. 9031220	NO. EACH	LGH	TOTAL	TOTAL	ITEM NO. 9031270A	ITEM NO. 9031271A	ITEM NO. 9031273A	ITEM NO. 9031274	ITEM NO. 9031270A	ITEM NO. 9031271A	ITEM NO. 9031273A	ITEM NO. 9031274	ITEM NO. 9031280	ITEM NO. 9031272A	ITEM NO. 9031281A	ITEM NO. 9031285	ITEM NO. 9031241	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	DRIVEN 12-GA. ITEM NO. 9031271A	DRIVEN 7-GA. ITEM NO. 9031273A	CONCRETE 7-GA. ITEM NO. 9031274	BREAK-AWAY ASSEMBLY
1	24"x30"	113+19		US 67																10.0	10.0	1																
2	54"x18"	113+92		US 67																9.0	9.0	18.0	2															
3	54"x18"	115+14		US 67																9.0	9.0	18.0	2															
4	24"x30"	115+93		US 67																10.0	10.0	1																
SUBTOTAL																				56.0	6																	
TOTAL																			**	56	6																	

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

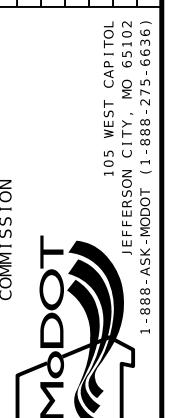
ROUND PIPE POST AND FOOTING DATA TABLE						
NOM. SIZE		WEIGHT		STUB LENGTH	FOOTING CONCRETE	
(IN.)	LBS/FT	LBS/IN	DIA.	DEPTH	C.Y.	
2 1/2	5.79	0.48	4' - 3 1/2"	12"	4-6"	0.13
4	10.79	0.90	5' - 3 1/2"	18"	5-6"	0.36

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

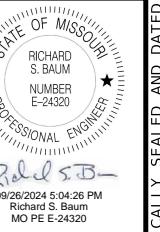
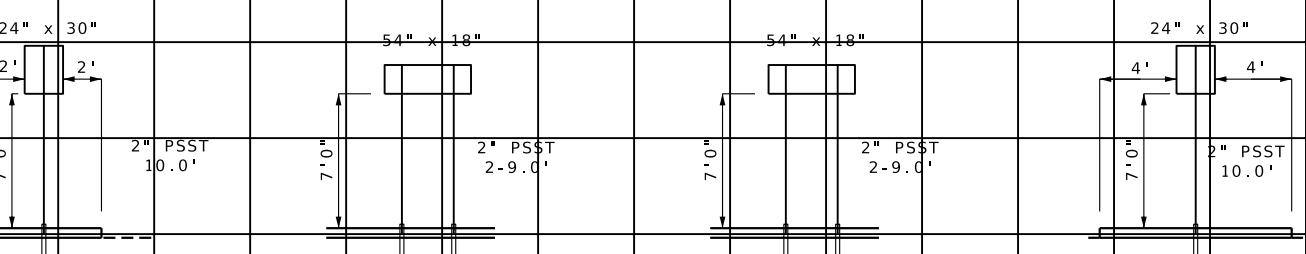
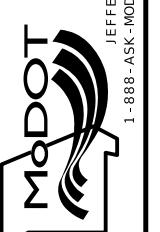
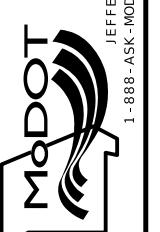
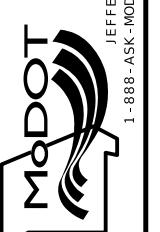
SIGNING AND
PAVEMENT MARKING PLAN
(A1072)
SHEET 5 OF 7

D-29

Jacobs
JACOBS ENGINEERING GROUP
1001 HIGHLANDS PLAZA DRIVE W, SUITE 400
ST. LOUIS, MISSOURI 63110
PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY #00704



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

 <p><i>Richard S. Baum</i> 09/26/2024 5:04:26 PM Richard S. Baum MO PE E-24320</p> <p>DATE PREPARED 23-SEP-2024</p> <table border="1"> <tr> <td>ROUTE 67</td> <td>STATE MO</td> </tr> <tr> <td>DISTRICT SL</td> <td>SCHEET NO. 75</td> </tr> <tr> <td colspan="2">COUNTY ST. LOUIS</td> </tr> <tr> <td colspan="2">JOB NO. J6S3669</td> </tr> <tr> <td colspan="2">CONTRACT ID.</td> </tr> <tr> <td colspan="2">PROJECT NO.</td> </tr> <tr> <td colspan="2">BRIDGE NO.</td> </tr> </table> <p>IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.</p>												ROUTE 67	STATE MO	DISTRICT SL	SCHEET NO. 75	COUNTY ST. LOUIS		JOB NO. J6S3669		CONTRACT ID.		PROJECT NO.		BRIDGE NO.	
ROUTE 67	STATE MO																								
DISTRICT SL	SCHEET NO. 75																								
COUNTY ST. LOUIS																									
JOB NO. J6S3669																									
CONTRACT ID.																									
PROJECT NO.																									
BRIDGE NO.																									
 <p>1 STA. 113+19, RT RTE. 67</p> <p>2 STA. 113+92, RT RTE. 67</p> <p>3 STA. 115+14, RT RTE. 67</p> <p>4 STA. 115+93, LT RTE. 67</p>																									
<table border="1"> <thead> <tr> <th>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>105 WEST CAPITOL JEFFERSON CITY, MO 65102</td> <td></td> <td></td> </tr> <tr> <td>1-888-ASK-MODOT (1-888-275-6636)</td> <td></td> <td></td> </tr> </tbody> </table>												MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	DATE	DESCRIPTION				105 WEST CAPITOL JEFFERSON CITY, MO 65102			1-888-ASK-MODOT (1-888-275-6636)				
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<p>JACOBS ENGINEERING GROUP 1001 PLAZA DRIVE W, SUITE 400 ST. LOUIS, MISSOURI 63110 PHONE: (314) 335-4000 CERTIFICATE OF AUTHORITY #00704</p> <p>Jacobs</p> <p>PAVEMENT MARKING PLAN (A1072) SHEET 7 OF 7</p>																									

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Riley J. Hoffman
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9/27/2024

ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 76

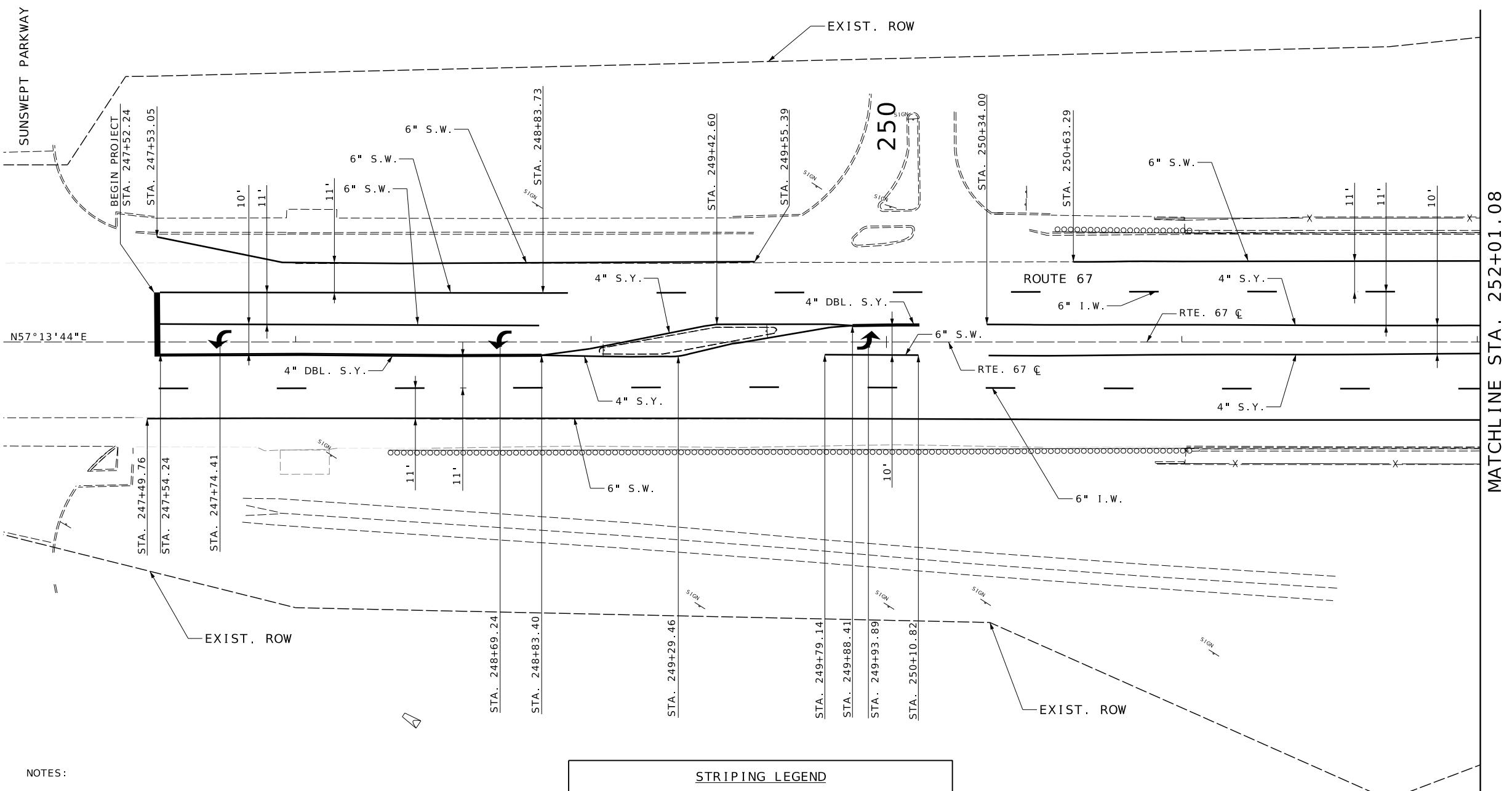
COUNTY ST. LOUIS
JOB NO. J6S3669
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

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SCALE
0 20 40 60



STRIPING LEGEND	
—	I.W. - INTERMITTENT WHITE
—	S.W. - SOLID WHITE
—	I.Y. - INTERMITTENT YELLOW
—	S.Y. - SOLID YELLOW
—	DBL. S.Y. - DOUBLE SOLID YELLOW
—	24" WIDE STOP BAR

PAVEMENT MARKING PLAN
(A1074)
SHEET 1 OF 4



HR GREEN, INC.
520 MARVILLE CENTRE DRIVE,
SUITE 100
ST. LOUIS, MISSOURI 63141
PHONE: (314) 519-0990
CORPORATE LICENSE #200206608
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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ROUTE 67 STATE MO
DISTRICT SL SHEET NO. 77
COUNTY ST. LOUIS

JOB NO. J6S3669
CONTRACT ID.

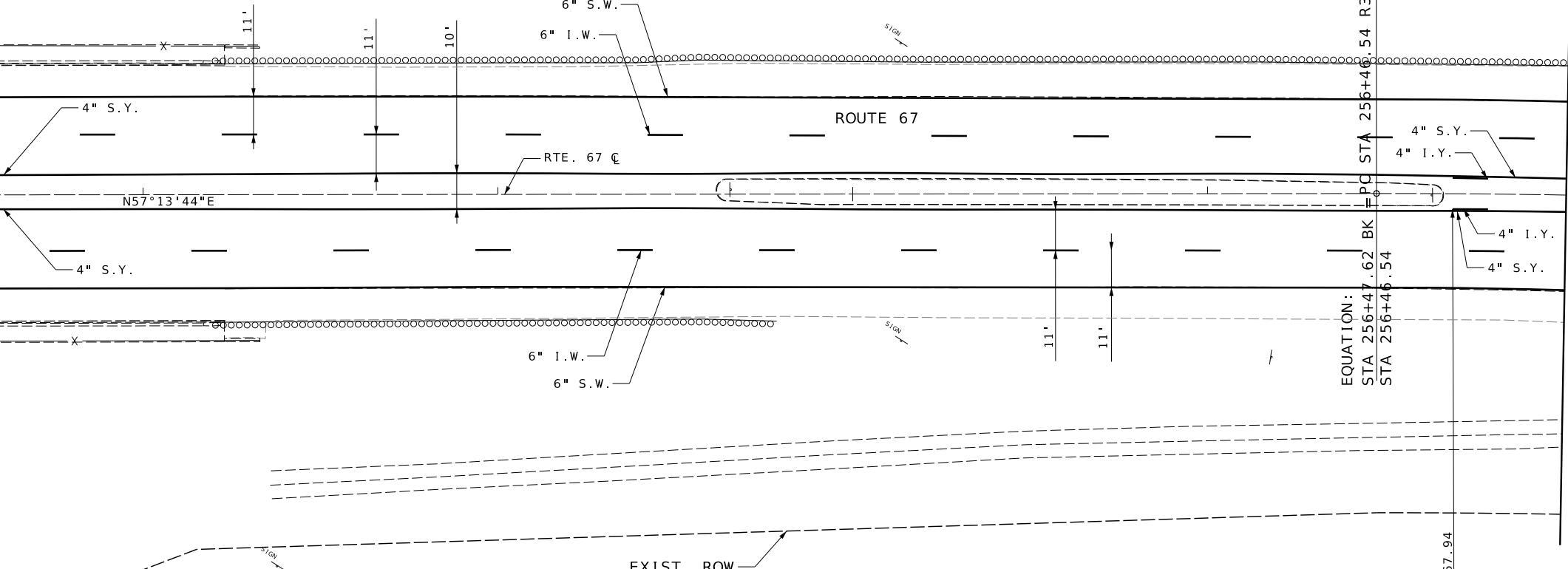
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BRIDGE NO.

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MATCHLINE STA. 252+01.08

EXIST. ROW

255



MATCHLINE STA. 256+99.99

STA 256+4.54 R3
STA 256+4.62 BK
STA 256+4.54
STA 256+4.62 BK
EQUATION:
STA 256+4.54
STA 256+4.62 BK

STA 256+67.94

NOTES:

ALL LONGITUDINAL PAVEMENT MARKINGS TO BE
HIGH BUILD WATERBORNE PAINT WITH TYPE L
BEADS.

ALL ARROWS AND STOP BARS TO BE PERFORMED
THERMOPLASTIC MARKINGS.

STRIPING LEGEND	
—	I.W. - INTERMITTENT WHITE
—	S.W. - SOLID WHITE
—	I.Y. - INTERMITTENT YELLOW
—	S.Y. - SOLID YELLOW
—	DBL. S.Y. - DOUBLE SOLID YELLOW
—	24" WIDE STOP BAR

PAVEMENT MARKING PLAN
(A1074)
SHEET 2 OF 4



HR GREEN, INC.
520 MARVILLE CENTRE DRIVE,
SUITE 100
ST. LOUIS, MISSOURI 63141
PHONE: (636) 519-0990
CORPORATE LICENSE #2002006608
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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RILEY J.
HOFFMAN
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Riley J. Hoffman
MO PE-2022042958

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9/27/2024

ROUTE STATE
67 MO

DISTRICT SHEET NO.
SL 79

COUNTY
ST. LOUIS

JOB NO.
J6S3669

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

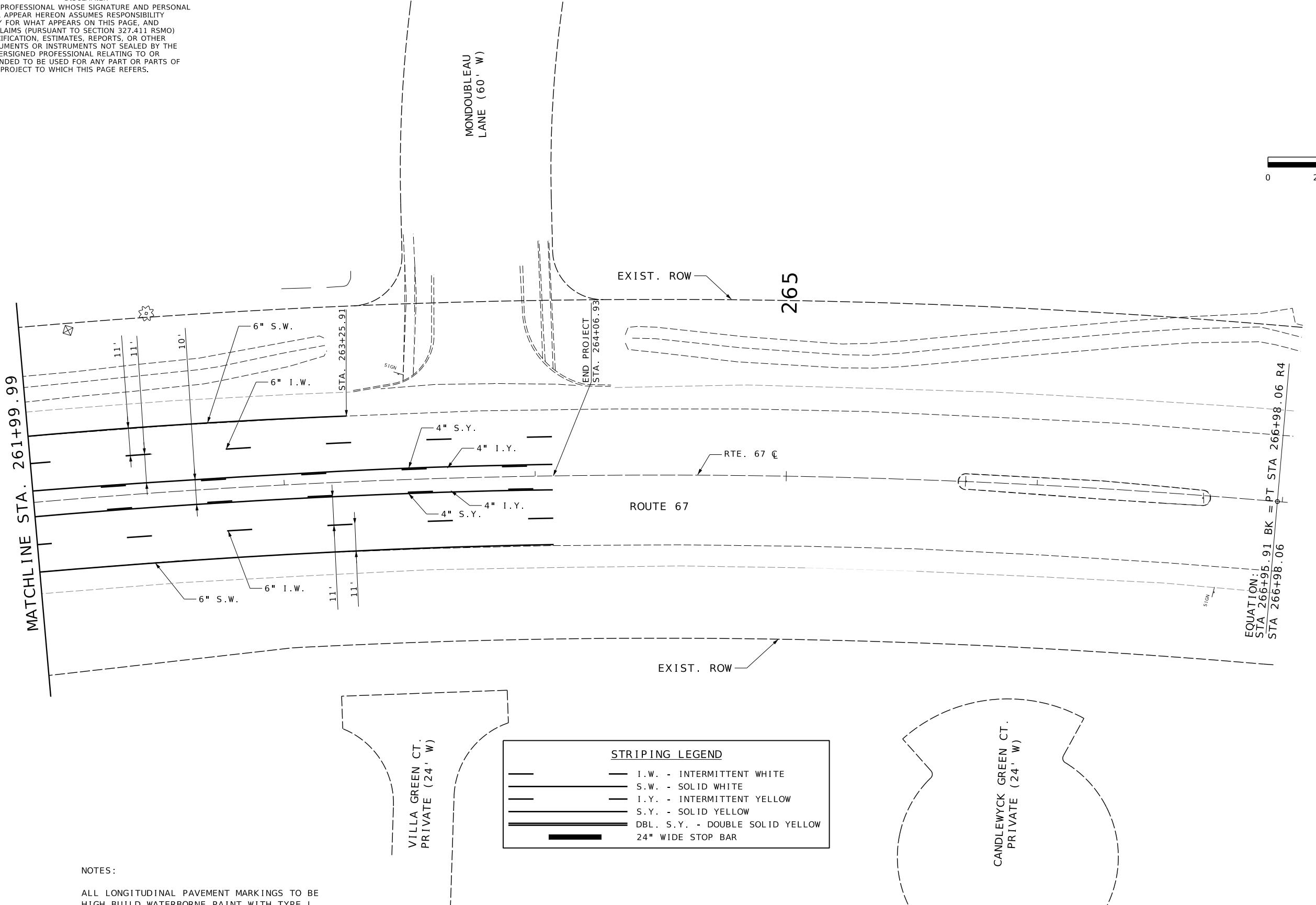
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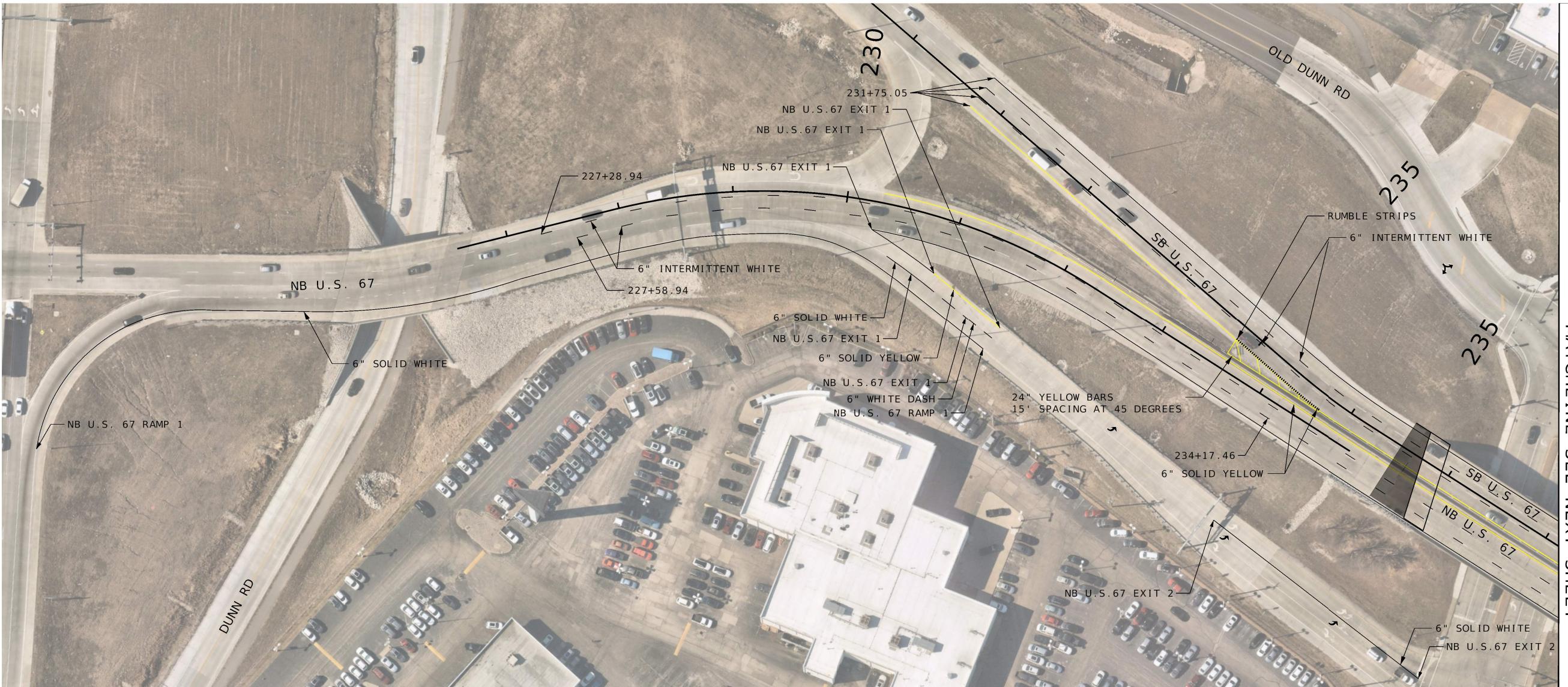
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MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

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





REPLACE STRAIGHT ARROW AT
NB U.S. 67 AND I-270 EXIT RAMP
INTERSECTION.



BRIDGE A4514
PAVEMENT MARKING
SHEET 1 OF 2



DATE PREPARED
9/25/2024

ROUTE 67 STATE MO

DISTRICT SL SHEET NO. 80

COUNTY ST. LOUIS

JOB NO. J6S3669 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

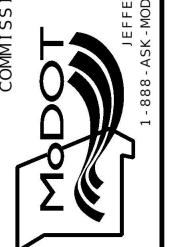
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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



HORNER SHIFFRIN
THE POWERHOUSE AT UNION STATION
401 S. 18th Street, Suite 100
St. Louis, MO 63103-2206
314-531-4321 FAX: 314-531-6966
www.HornerShiffrin.com
Certificate of Authority: 000159
Expiration Date: December 31, 2024

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1/25/2024



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ROUTE	STATE
67	MO
SL	81
ST. LOUIS	JOB NO.
	J6S3669
	CONTRACT ID.
	PROJECT NO.
	BRIDGE NO.

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314-531-4321 FAX: 314-531-6966
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Certificate of Authority: 000159
Expiration Date: December 31, 2024

MATCHLINE SEE PREVIOUS SHEET
LYNN HAVEN LANE

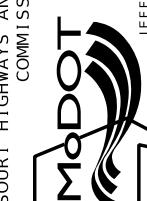


BRIDGE A4514
PAVEMENT MARKING
SHEET 2 OF 2

* ORANGE, YELLOW & YELLOW/GREEN

BRIDGE A4514
SIGNING
SHEET 1 OF 2

D - 30

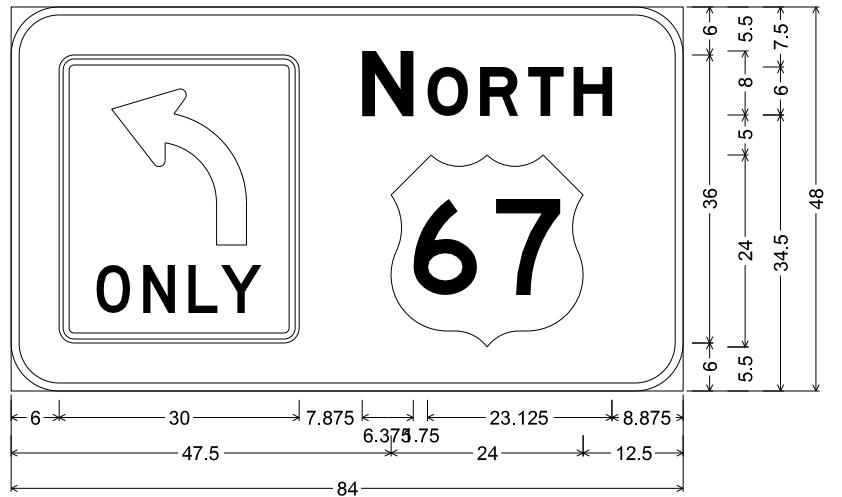


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SIGN NO.	1
STATION	EB LYNN HAVEN LN
ROADWAY	LYNN HAVEN LN



D15-1 ST-STRUCTURAL;
 6.000" Radius, 1.000" Border, White on, Green;
 R3-5L Decal; "NORTH", E Mod;
 Table of letter and object lefts

S	N	O	R	T	H
6.000	43.875	52.000	58.625	64.625	70.375
67					
47.500					



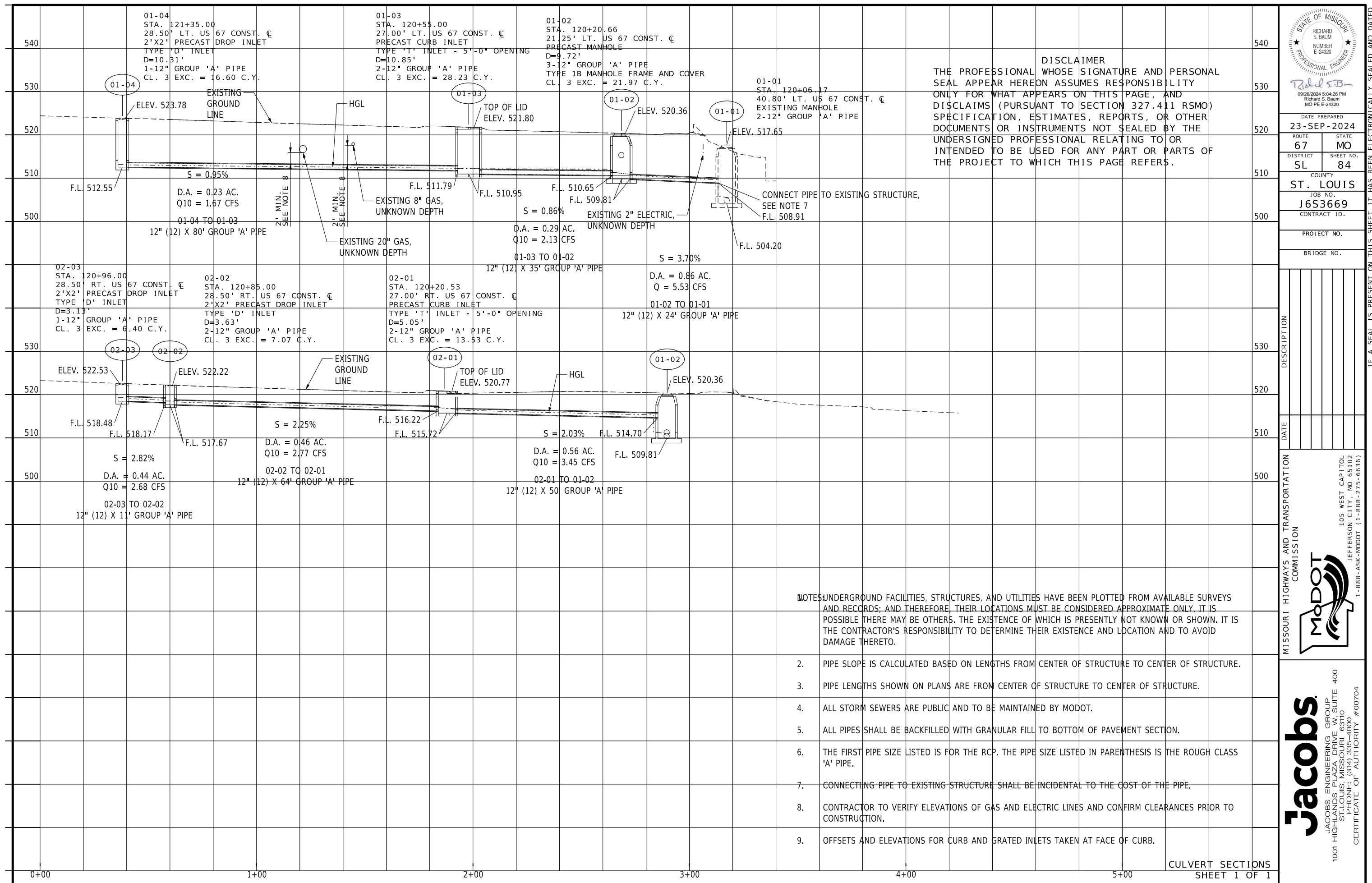
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 ROUTE 67 STATE MO
 DISTRICT SL SHEET NO. 83
 COUNTY ST. LOUIS
 JOB NO. J6S3669
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

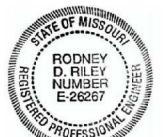
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BRIDGE A4514
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 SHEET 2 OF 2





Rodney D. Riley, PE
01/20/2025 11:57:21 AM
MO-329267

DATE PREPARED
20-Jan-2025

ROUTE 67 STATE MO
DISTRICT BR SHEET NO. 1
COUNTY ST LOUIS
JOB NO. J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO. A10722

DESCRIPTION
DATE

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



Jacobs
JACOBS ENGINEERING GROUP
1001 HIGHLANDS PLAZA DR, WEST SUITE 400
ST. LOUIS, MISSOURI 63110
PHONE: (314) 334-4000
CERTIFICATE OF AUTHORITY
#00704

REV.

Required Lap Length For Bar Splices (1)	
Bar Size	Splice Length
4	2'-8"
5	3'-4"
6	4'-0"

(1) Unless otherwise shown.

Table Showing S7 Bar Lengths			
Int. Bent No. 2	Int. Bent No. 3	Span 1	Span 2
19'-2"	17'-11"	17'-11"	19'-2"

General Notes:

Design Specifications:
2002 AASHTO LFD (17th Ed.) Standard Specifications

Design Loading:
HS20-44
35 lb/sf Future Wearing Surface
Earth - 120 lb/cf, Equivalent Fluid Pressure 45 lb/cf

Design Unit Stresses:
Class B-1 Concrete (Barrier & Approach Haunch)
Class B-2 Concrete (End Bents, Superstructure, except Barrier)
Reinforcing Steel (ASTM A615 Grade 60)
Structural Carbon Steel (ASTM A709 Grade 36)

Joint Filler:
All joint filler shall be in accordance with Sec 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

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

Miscellaneous:
The top, sides and bottom of the top flanges of existing steel girders shall be cleaned with a minimum of SSPC-SP-3 surface preparation and coated with a minimum of one coat of gray epoxy-mastic primer (non-aluminum) in accordance with Sec 1081 to produce a dry film thickness of not less than 3 mils before concrete is poured. The cost will be considered completely covered by the contract unit price for Slab on Steel.

Aesthetic concrete stain shall be applied to all exposed vertical faces of all bents and to the bottom of the intermediate bent cap beams in accordance with Sec 703.3.13.

Bars bonded in existing concrete not removed shall be cleanly stripped and embedded into new concrete where possible. If length is available, existing bars shall extend into new concrete at least 40 diameters for smooth bars and 30 diameters for deformed bars, unless otherwise noted.

Final top of slab elevations shall match existing top of overlay elevations.

Roadway surfacing adjacent to bridge ends shall match new bridge slab surface. (Roadway item)

All concrete repairs shall be in accordance with Sec 704, unless noted otherwise.

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Longitudinal dimensions are based on original plans.

Contractor shall verify all dimensions in field before ordering new material.

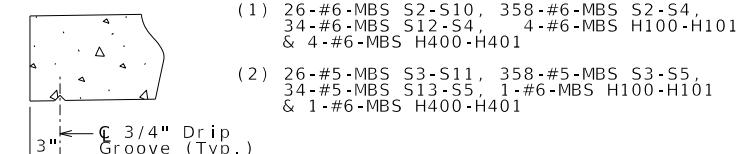
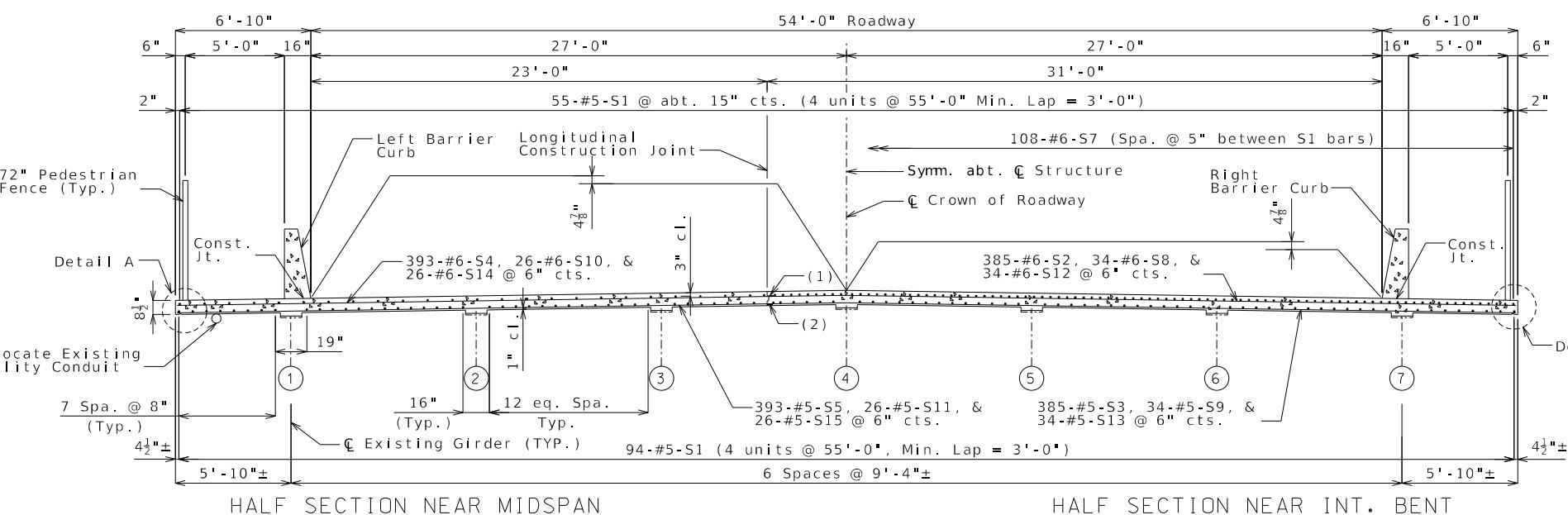
The area exposed by the removal of concrete and not covered with new concrete shall be coated with an approved qualified special mortar in accordance with Sec 704.

The cost to temporarily support and mount existing conduit to the new bridge deck will be considered completely covered by the contract unit price for Slab on Steel.

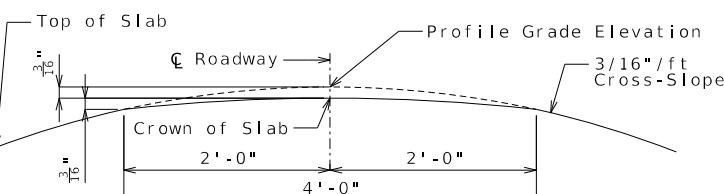
MBS refers to mechanical bar splices. Mechanical bar splices shall be in accordance with Sec 706 or 710.

Traffic Handling:
Traffic to be maintained on structure during construction. See roadway plans for traffic control.

Detailed: Sept. 2024
Checked: Sept. 2024



DETAIL A



PARABOLIC CROWN DETAIL

Estimated Quantities for Slab on Steel

Item	Total
Class B-2 Concrete	cu. yard 408
Reinforcing Steel (Epoxy Coated)	pound 124,730

The table of Estimated Quantities for Slab on Steel represents the quantities used by the State in preparing the cost estimate for concrete slabs. The area of the concrete slab will be measured to the nearest square yard longitudinally from end of slab to end of slab and transversely from out to out of bridge slab (or with the horizontal dimensions as shown on the plan of slab). Payment for stay-in-place corrugated steel forms, conventional forms, all concrete and epoxy coated reinforcing steel will be considered completely covered by the contract unit price for the slab. Variations may be encountered in the estimated quantities but the variations cannot be used for an adjustment in the contract unit price.

Method of forming the slab shall be in accordance with Sec 703. All hardware for forming the slab to be left in place as a permanent part of the structure shall be coated in accordance with ASTM A123 or ASTM B633 with a thickness class SC 4 and a finish type I, II or III.

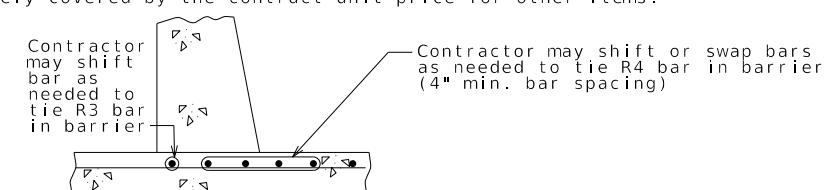
Slab shall be cast-in-place with conventional forming or stay-in-place corrugated steel forms. Precast prestressed panels will not be permitted.

For Optional Stay-In-Place Form Details, see Sheet No. 2.

TYPICAL SECTION THRU SLAB (Looking Ahead Station, Slab Drains Not Shown)

Estimated Quantities	
Item	Total
Removal of Miscellaneous ACM (Non-Friable)	sq. foot 20
Temporary Shoring	lump sum 1
Removal of Existing Bridge Deck	sq. foot 14,298
Repair Existing Approach Haunch	linear foot 70
Remove and Replace Approach Haunch	linear foot 70
Bridge Approach Slab (Major)	sq. yard 301
(72 in.) Pedestrian Fence - Black Vinyl Coated	linear foot 502
Aesthetic Concrete Stain	lump sum 1
Slab on Steel	sq. yard 1,587
Type D Barrier	linear foot 502
Substructure Repair (Formed)	sq. foot 5
Substructure Repair (Unformed)	sq. foot 5
Epoxy Pressure Injecting	linear foot 50
Mechanical Bar Splice	each 863
Strengthening Existing Beams	lump sum 1
Slab Drain	each 44
Surface Preparation for Overcoating Structural Steel (System G)	sq. foot 2,400
Intermediate Field Coat (System G)	sq. foot 2,400
Finish Field Coat (System G)	sq. foot 2,400
Reset Bearing	each 7
Vertical Drain at End Bents	each 2
Open Cell Foam Joint Seal	linear foot 75

Cost of any required excavation for bridge will be considered completely covered by the contract unit price for other items.



OPTIONAL SHIFTING TOP BARS AT BARRIER

REPAIRS TO BRIDGE: ROUTE 67 OVER COLDWATER CREEK

ROUTE 67 FROM ROUTE 1-270 TO ROUTE AC
ABOUT 2.0 MILES WEST OF ROUTE AC
BEGINNING STATION 117+40.20± (MATCH EXISTING)

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

Sheet No. 1 of 16

General Notes:

Stay-In-Place Forms:

Corrugated steel forms, supports, closure elements and accessories shall be in accordance with grade requirement and coating designation G165 of ASTM A653. Complete shop drawings of the permanent steel deck forms shall be required in accordance with Sec 1080.

Corrugations of stay-in-place forms shall be filled with an expanded polystyrene material. The polystyrene material shall be placed in the forms with an adhesive in accordance with the manufacturer's recommendations.

Form sheets shall not rest directly on the top of beam flanges. Sheets shall be securely fastened to form supports with a minimum bearing length of one inch on each end. Form supports shall be placed in direct contact with the flange. Welding on or drilling holes in the beam flanges will not be permitted. All steel fabrication and construction shall be in accordance with Sec 1080 and 712. Certified field welders will not be required for welding of the form supports.

The design of stay-in-place corrugated steel forms is per manufacturer which shall be in accordance with Sec 703 for false work and forms. Maximum actual weight of corrugated steel forms allowed shall be 4 psf assumed for beam loading.

Pouring and Finishing Slab:

The contractor shall provide bracing necessary for lateral and torsional stability of the beams during construction of the concrete slab and remove the bracing after the slab has attained 75% design strength. Contractor shall not weld on or drill holes in the beams. The cost for furnishing, installing, and removing bracing will be considered completely covered by the contract unit price for Slab on Steel.

The contractor shall pour and satisfactorily finish the slab pours at a minimum rate of 25 cubic yards per hour. Slab shall be poured upgrade from end to end.

Retarder, if used, shall be an approved type and retard the set of concrete to 2.5 hours.

Alternate pour sequences may be submitted to the engineer for approval. Keyed construction joints shall be provided between pours.

For adjusted girder deflection due to weight of new deck and barriers, see Electronic Deliverable.

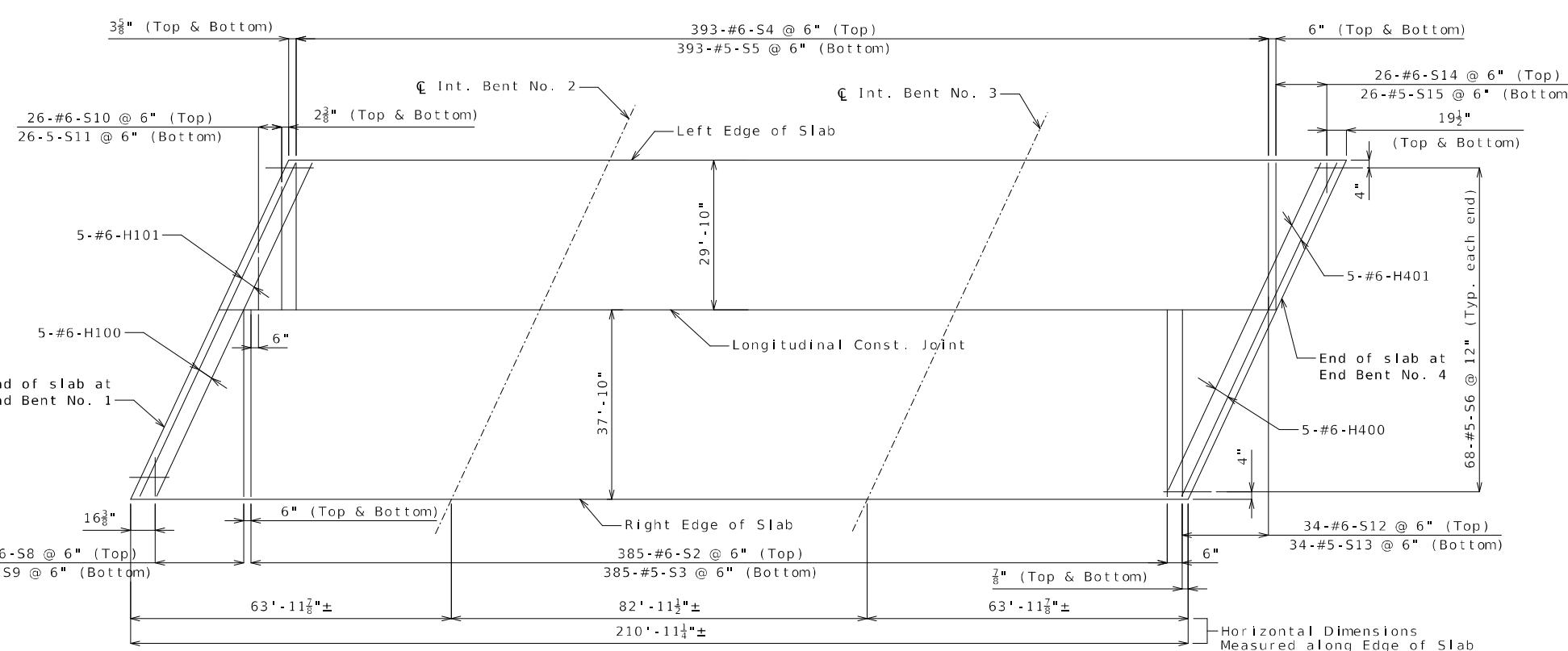
Haunching:

(1) Slab is to be considered a uniform thickness as shown on the plans. Haunching will vary. See front sheet for slab thickness.

Miscellaneous:

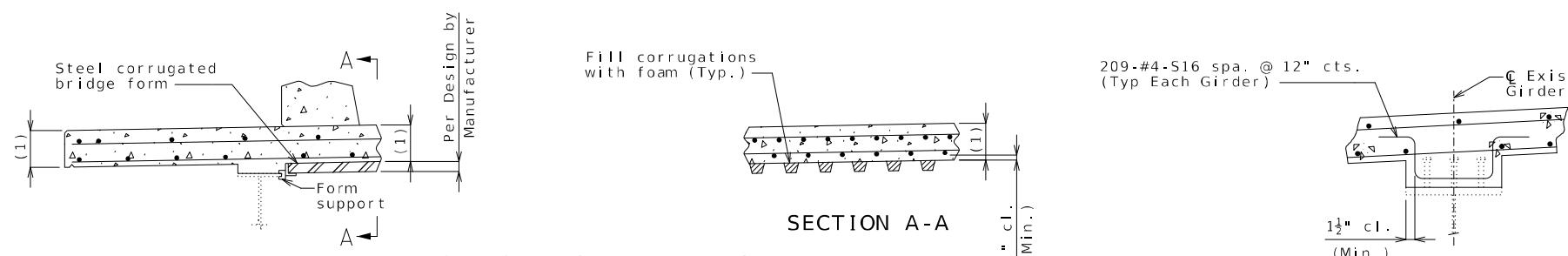
The cost to remove the barrier curb and railing will be considered completely covered by the contract unit price for Removal of Existing Bridge Deck, unless noted otherwise.

(2) 0" at 60 degrees. Adjust by 1/16" for each 10 degree fall or rise in temperature from 60 degrees at time of setting.

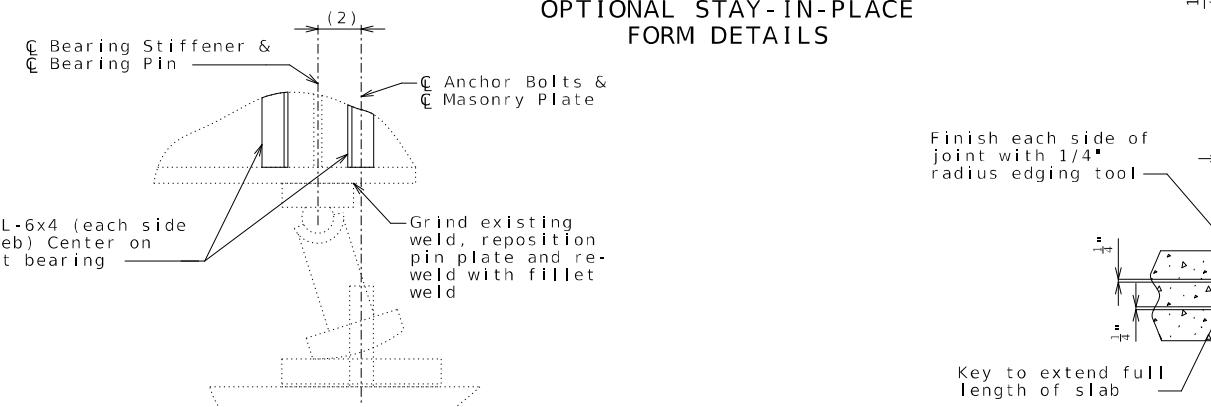


SLAB REINFORCING PLAN DETAIL

(Schematic not to scale Longitudinal Reinforcement not shown, see Sheet No. 1)

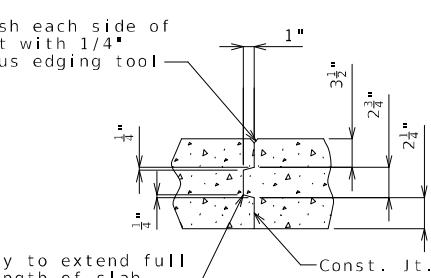


OPTIONAL STAY-IN-PLACE FORM DETAILS



RESET BEARINGS AT INT. BENT NO. 3

This work shall include resetting bearing assemblies, inspecting, cleaning, lubricating and coating of existing bearing prior to being reset. Payment for this work, including all material, equipment, labor and any other incidental work necessary to complete this item, will be considered completely covered by the contract unit price for Reset Bearings. See Special Provisions.



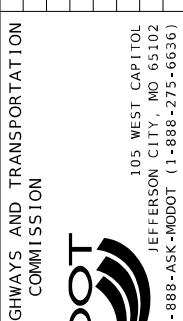
LONGITUDINAL SLAB JOINT



Rodney D. Riley, PE
10/26/2024 11:09:21 PM
MC-02626

DATE PREPARED
28-Oct-2024
ROUTE 67 STATE MO
DISTRICT BR SHEET NO. 2
COUNTY ST LOUIS JOB NO. J6S3669
CONTRACT ID. PROJECT NO.
BRIDGE NO. A10722

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	DATE	DESCRIPTION





DATE PREPARED

28-Oct-2024

ROUTE 67 STATE MO

DISTRICT BR SHEET NO. 3

COUNTY ST LOUIS

JOB NO. J6S3669

CONTRACT ID.

PROJECT NO.

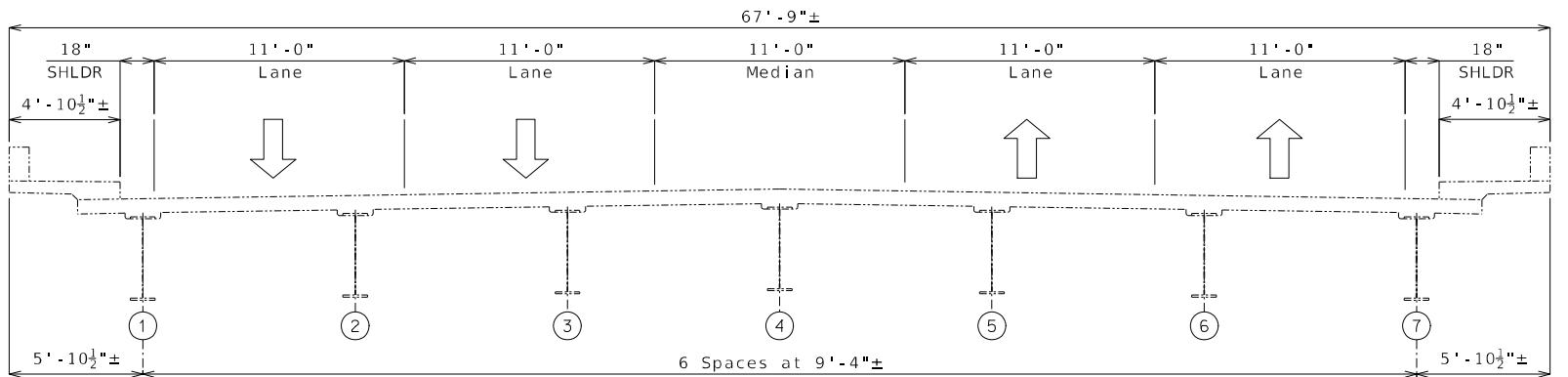
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A10722

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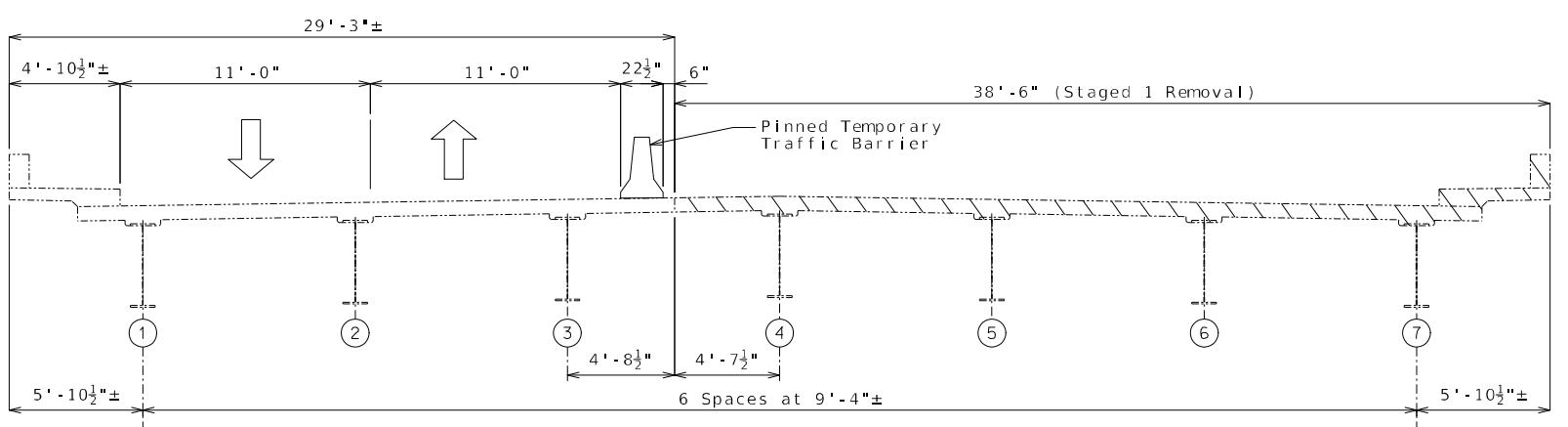
Rodney D. Riley, PE

MO-026267



EXISTING

(Looking Ahead Station)



STAGE 1 - DEMOLITION

(Looking Ahead Station)

NOTE :

Existing bolts on intermediate diaphragms and cross frames that connect girders under different construction staged slab pours shall be removed and replaced with new in kind high strength bolts installed snug tight and in accordance with Sec 712. The high strength bolts shall be tightened after both adjacent slab pours are completed. Cost will be considered incidental to other pay items.

Jacobs
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CERTIFICATE #00704

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



REV.

CONSTRUCTION STAGING (1 OF 3)

Detailed: Sept. 2024
Checked: Sept. 2024

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

pw://jacobs-us-va-pw.bentley.com:jacobs-us-va-pw-04/Documents/F3X01700 - MoDOT- Route 67 PMC/30 Project Data/PID/Bridge/Sheets/A1072/B_A1072_003_J6S3669_Construction_Staging_1.dgn

Sheet No. 3 of 16

22:26 28-OCT-2024



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MO-026267

DATE PREPARED
28-Oct-2024

ROUTE 67 STATE MO

DISTRICT BR SHEET NO. 4

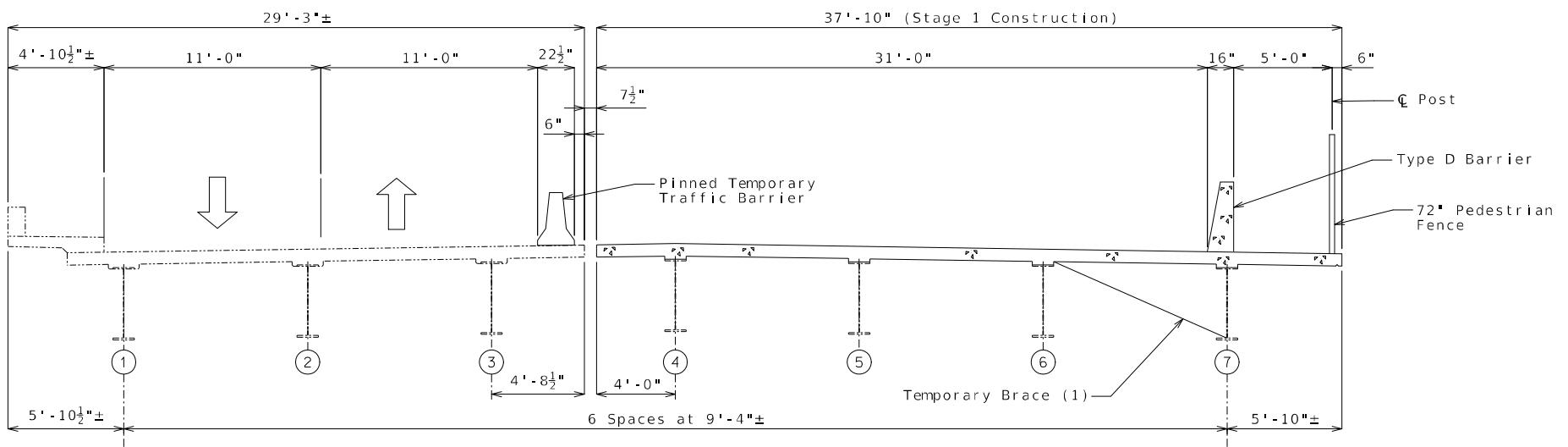
COUNTY ST LOUIS

JOB NO. J6S3669

CONTRACT ID.

PROJECT NO.

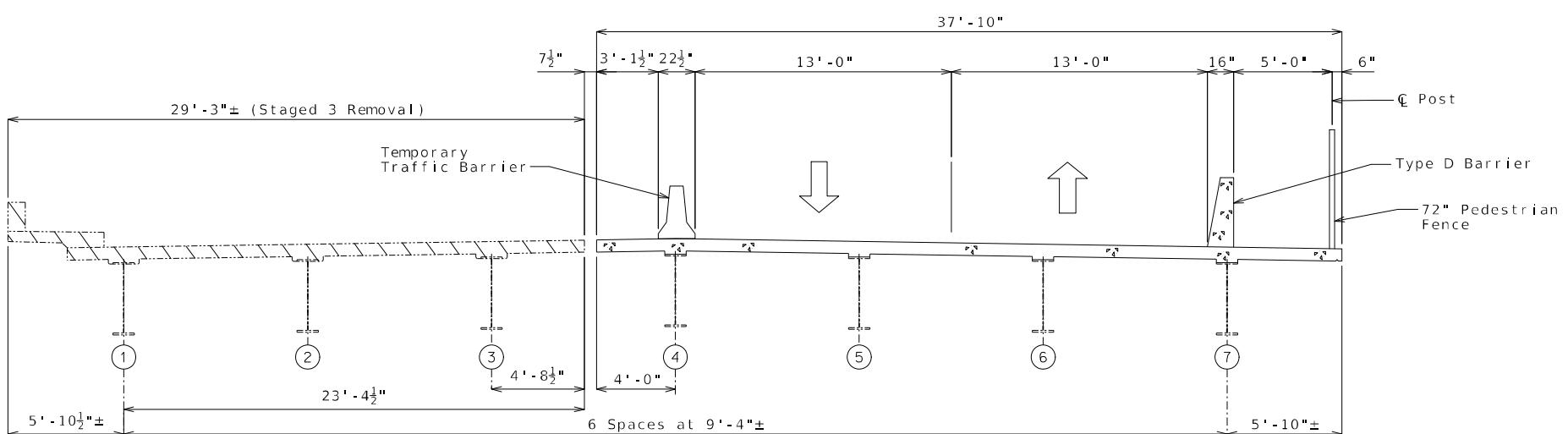
BRIDGE NO. A10722



STAGE 2 - CONSTRUCTION

(Looking Ahead Station, Slab Drains Not Shown)

(1) Contractor shall provide temporary bracing in exterior bay spaced at 4'-0" centers (max). Bracing may be removed after slab has achieved design strength. Cost to provide temporary bracing will be considered completely covered by the contract unit price for Slab on Steel.



STAGE 3 - DEMOLITION

(Looking Ahead Station, Slab Drains Not Shown)

NOTE:

Existing bolts on intermediate diaphragms and cross frames that connect girders under different construction staged slab pours shall be removed and replaced with new in kind high strength bolts installed snug tight and in accordance with Sec 712. The high strength bolts shall be tightened after both adjacent slab pours are completed. Cost will be considered incidental to other pay items.

Scree rail for finish machine shall be supported directly on Girder 7.

CONSTRUCTION STAGING (2 OF 3)

Detailed: Sept. 2024
Checked: Sept. 2024

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

pw://jacobs-us-va-pw.bentley.com:jacobs-us-va-pw-04/Documents/F3X01700 - MoDOT- Route 67 PMC/30 Project Data/PID/Bridge/Sheets/A1072/B_A1072_004_J6S3669_Construction_Staging_2.dgn

Sheet No. 4 of 16

Jacobs
JACOBS ENGINEERING GROUP
1001 HIGHLANDS PLAZA DR. WEST, SUITE 400
ST. LOUIS, MISSOURI 63110
PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY
#00704

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

REV. 22:27 28-OCT-2024



Rodney D. Riley
10/26/2024 4:10:22 PM
Rodney D. Riley, PE
MO-026267

DATE PREPARED
28-Oct-2024

ROUTE 67 STATE MO

DISTRICT BR SHEET NO. 5

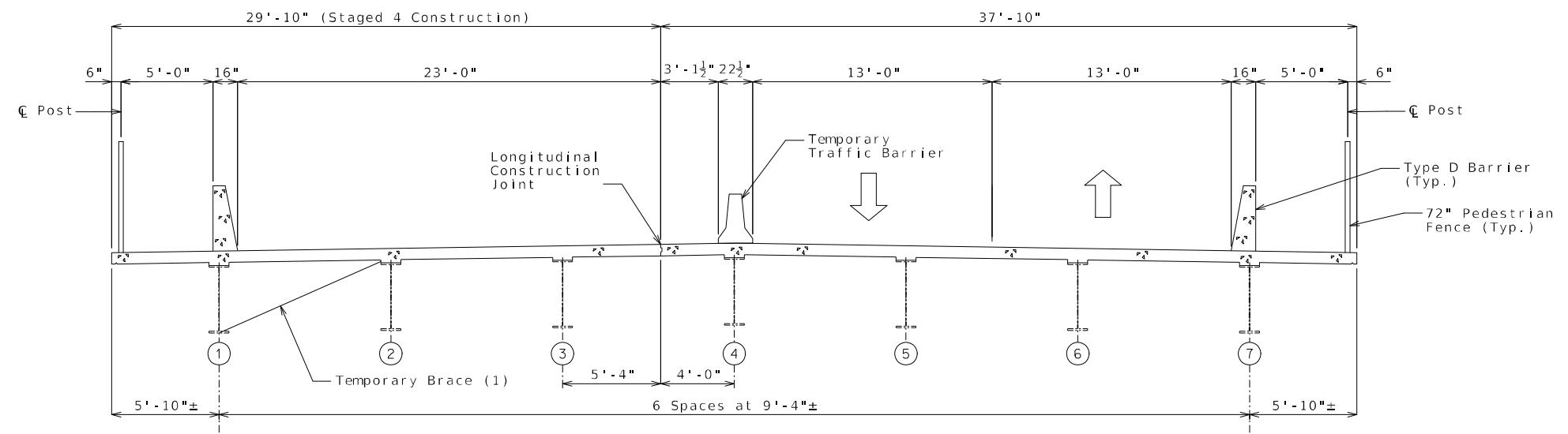
COUNTY ST LOUIS

JOB NO. J6S3669

CONTRACT ID.

PROJECT NO.

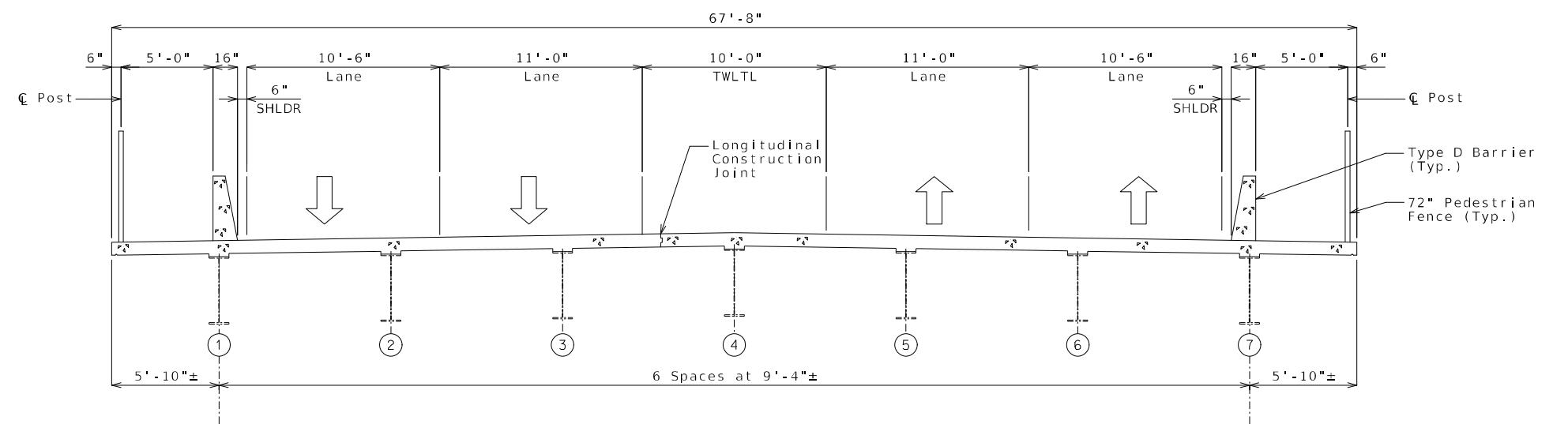
BRIDGE NO. A10722



STAGE 4 - CONSTRUCTION

(Looking Ahead Station, Slab Drains Not Shown)

(1) Contractor shall provide temporary bracing in exterior bay spaced at 4'-0" centers (max). Bracing may be removed after slab has achieved design strength. Cost to provide temporary bracing will be considered completely covered by the contract unit price for Slab on Steel.



FINAL

(Looking Ahead Station, Slab Drains Not Shown)

NOTE:

Existing bolts on intermediate diaphragms and cross frames that connect girders under different construction staged slab pours shall be removed and replaced with new in kind high strength bolts installed snug tight and in accordance with Sec 712. The high strength bolts shall be tightened after both adjacent slab pours are completed. Cost will be considered incidental to other pay items.

Scree rail for finish machine shall be supported directly on Girder 1.

CONSTRUCTION STAGING (3 OF 3)

Detailed: Sept. 2024
Checked: Sept. 2024

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

pw://jacobs-us-va-pw.bentley.com:jacobs-us-va-pw-04/Documents/F3X01700 - MoDOT- Route 67 PMC/30 Project Data/PID/Bridge/Sheets/A1072/B_A1072_005_J6S3669_Construction_Staging_3.dgn

Sheet No. 5 of 16

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ST. LOUIS, MISSOURI 63110
PHONE: (314) 335-4000
CERTIFICATE #00704

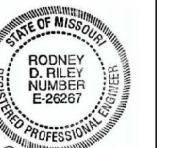
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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22:29 28-OCT-2024



10/28/2024 11:08:22 PM
Rodney D. Riley, PE
MO-28657

DATE PREPARED

28-Oct-2024

ROUTE 67 STATE MO

DISTRICT BR SHEET NO. 6

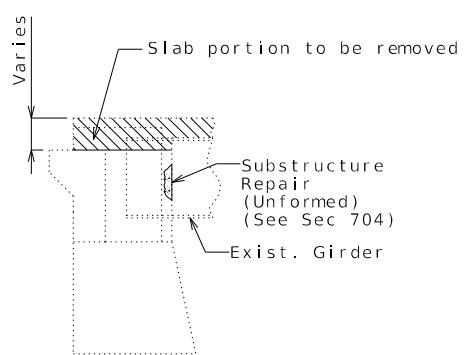
COUNTY ST LOUIS

JOB NO. J6S3669

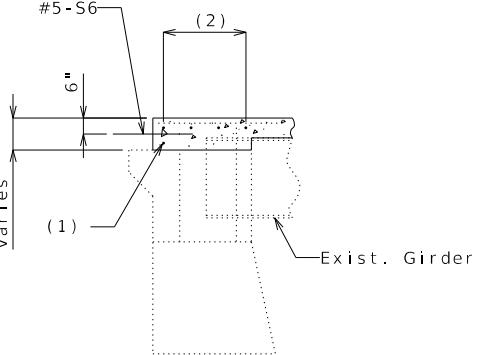
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PROJECT NO.

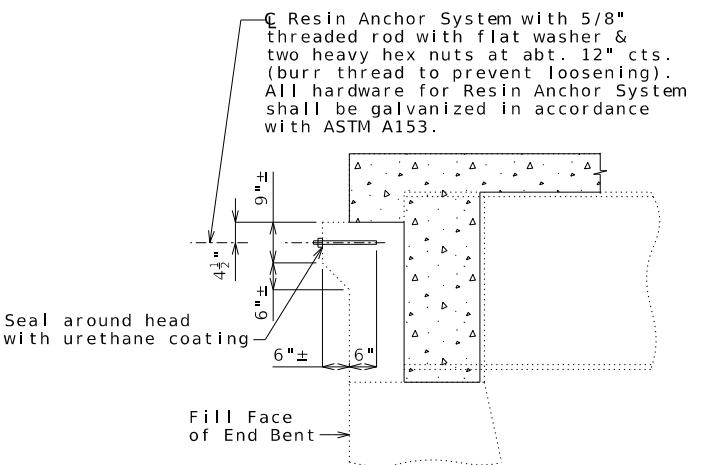
BRIDGE NO.



PART SECTION SHOWING
SLAB REMOVAL AND
SUBSTRUCTURE REPAIR
AT END BENT NO. 4



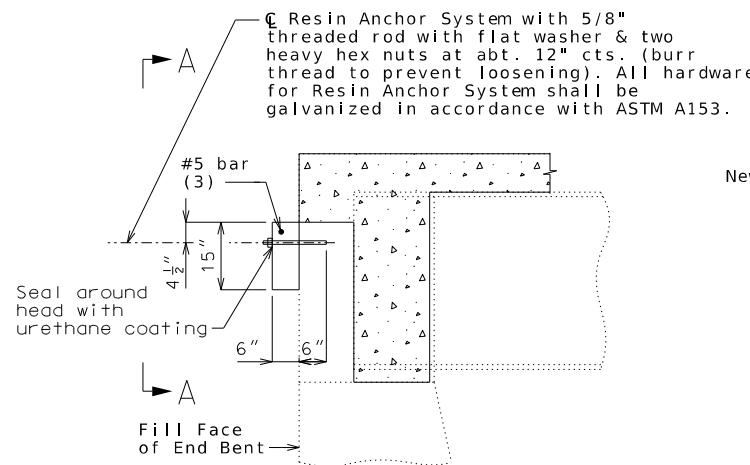
PART SECTION THRU SLAB
AT END BENT NO. 4



SECTION THRU END BENT WITH
APPROACH HAUNCH REPAIR

(End Bent No. 1 shown, End Bent No. 4 similar)

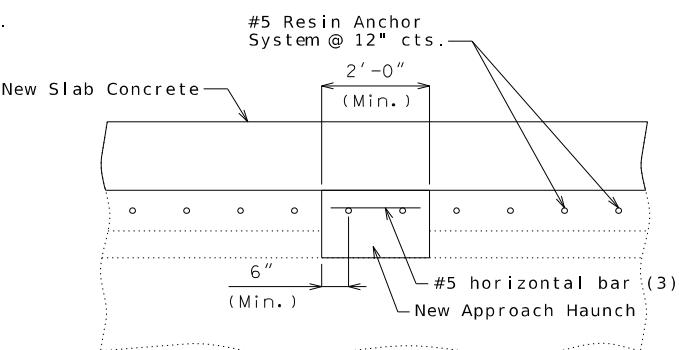
Cost of furnishing and installing anchor systems for approach haunch repair, complete in place, will be considered completely covered by the contract unit price for Repair Existing Approach Haunch.



SECTION THRU END BENT WITH
APPROACH HAUNCH REPLACEMENT

(End Bent No. 1 shown, End Bent No. 4 similar)

Cost of concrete removal, furnishing and installing anchor systems, concrete and reinforcement for approach haunch replacement will be considered completely covered by the contract unit price for Remove and Replace Approach Haunch.



ELEVATION A-A

(End Bent No. 1 shown, End Bent No. 4 similar)

Detailed: Oct. 2024
Checked: Oct. 2024

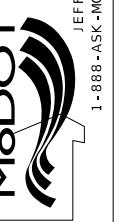
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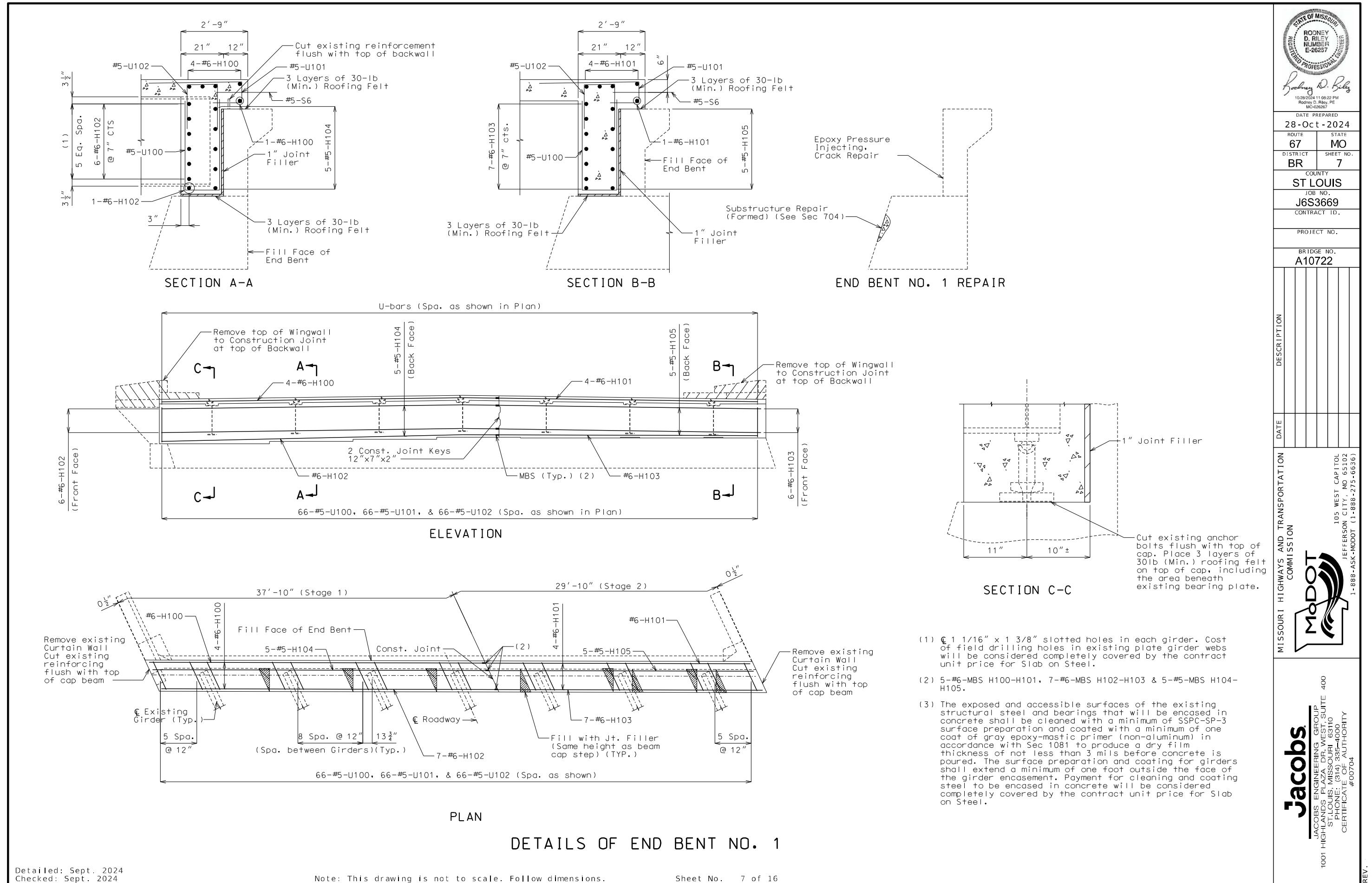
Sheet No. 6 of 16

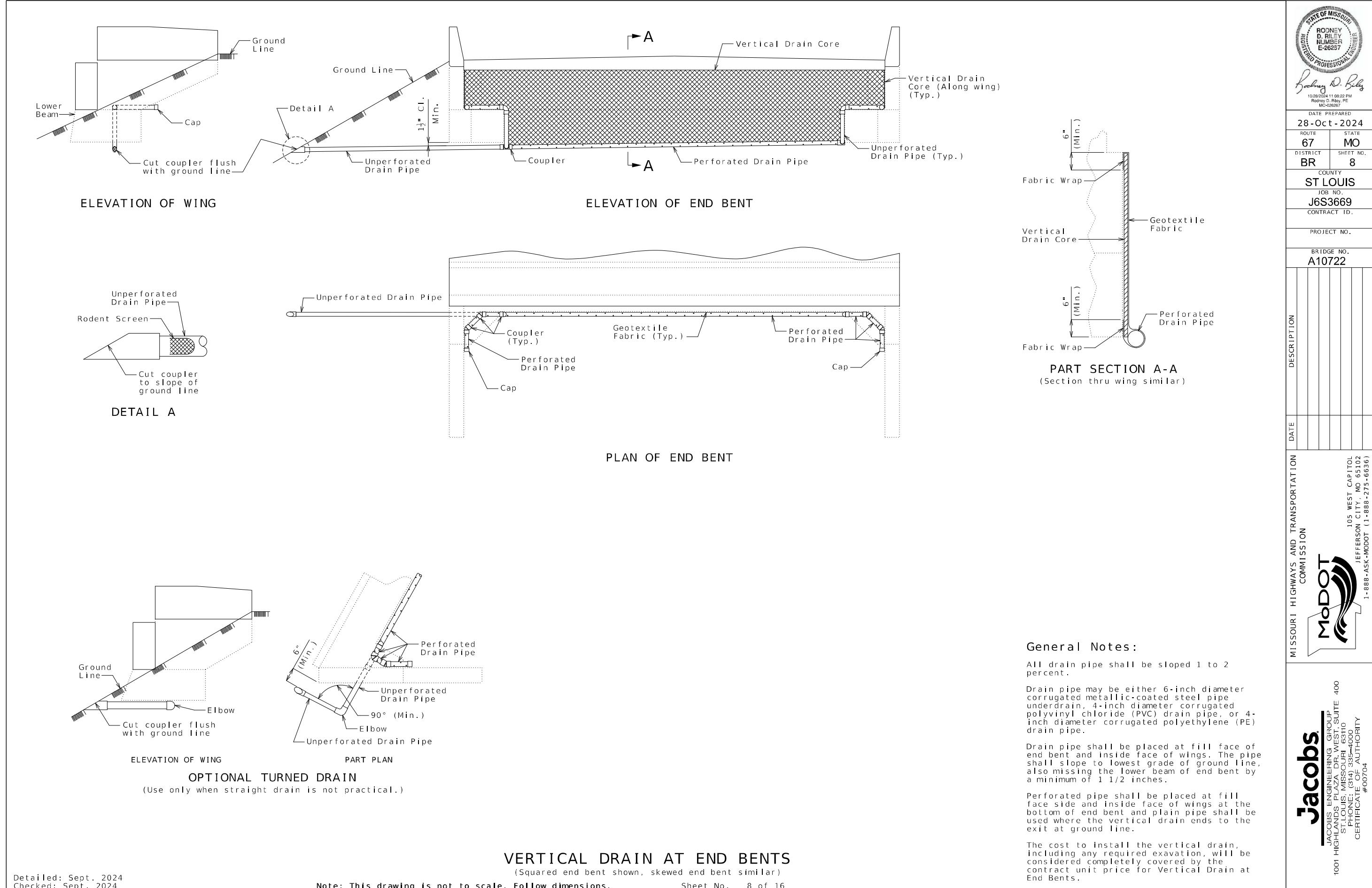
Jacobs

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General Notes:

Contractor shall have the option to construct either steel or FRP slab drains. All drains shall be of same type.

Slab drain bracket assembly shall be ASTM A709 Grade 36 steel.

Locate drains in slab by dimensions shown in Part Section Near Drain.

Reinforcing steel shall be shifted to clear drains.

The bracket assembly shall be galvanized in accordance with ASTM A123.

All bolts, hardened washers, lock washers and nuts shall be galvanized in accordance with AASHTO M 232 (ASTM A153), Class C.

All 1/2"Ø bolts shall be ASTM A307, except as shown.

Shop drawings will not be required for the slab drains and the bracket assembly.

The bolt hole for the bracket assembly attachment shall be shifted to the minimum extent necessary to field drill in the existing web.



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Rodney D. Riley, PE
MO-026257

DATE PREPARED
28-Oct-2024

ROUTE 67 STATE MO

DISTRICT BR SHEET NO. 10

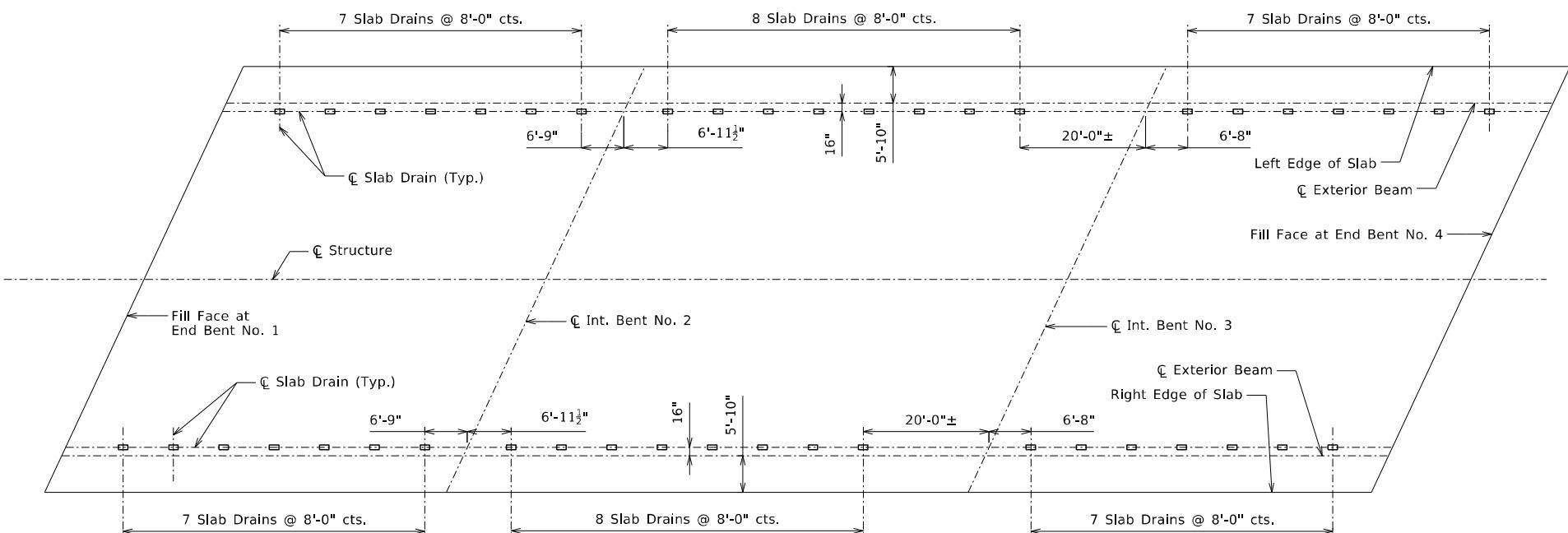
COUNTY ST LOUIS

JOB NO. J6S3669

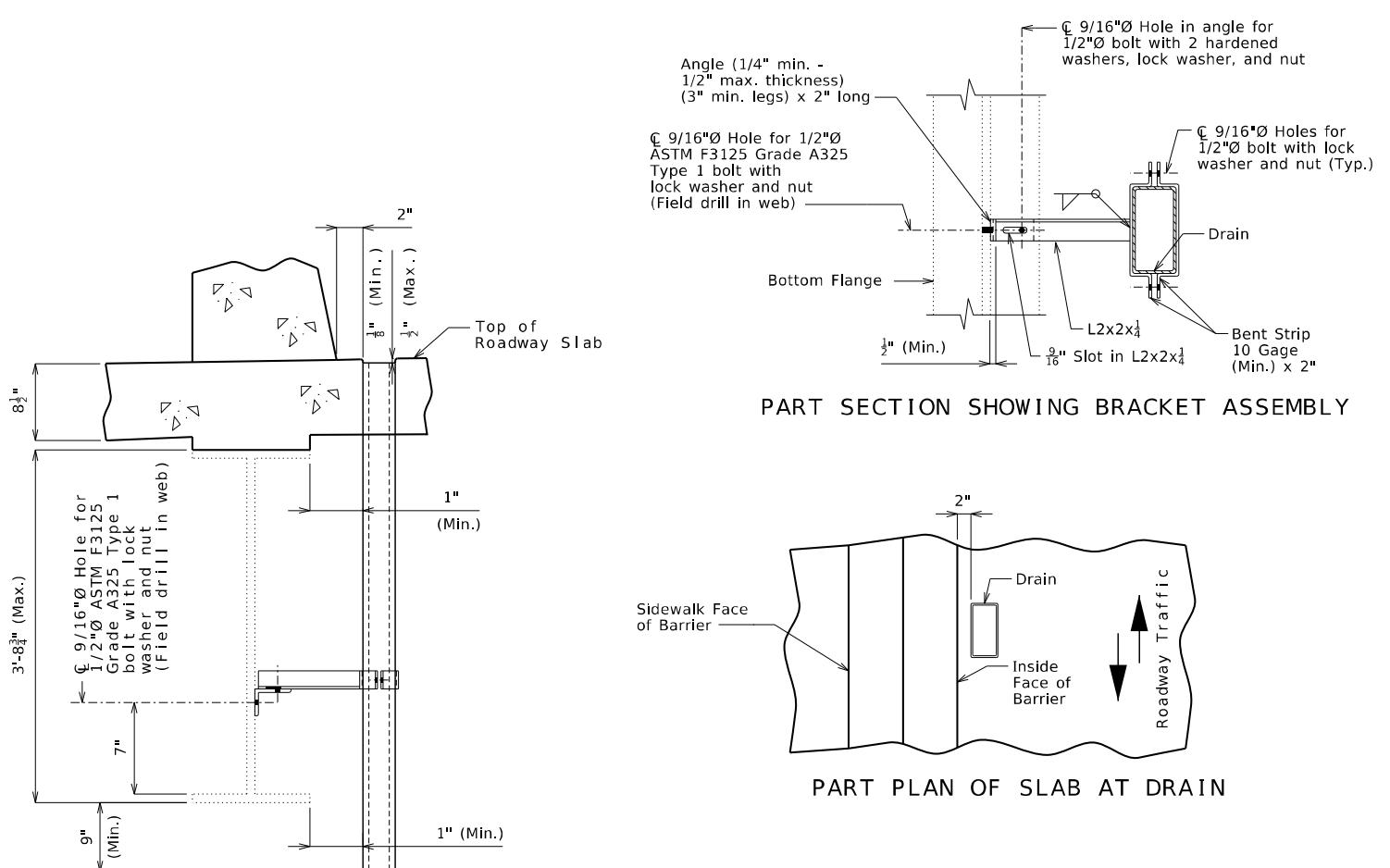
CONTRACT ID.

PROJECT NO.

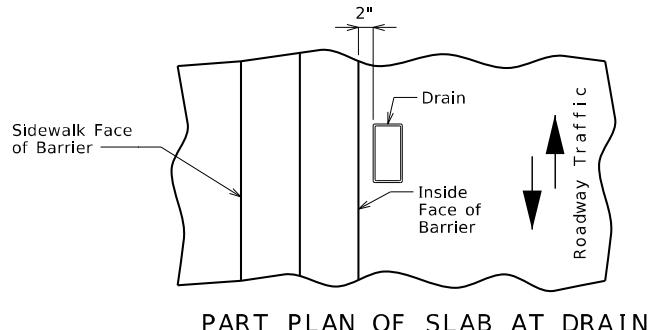
BRIDGE NO.
A10722



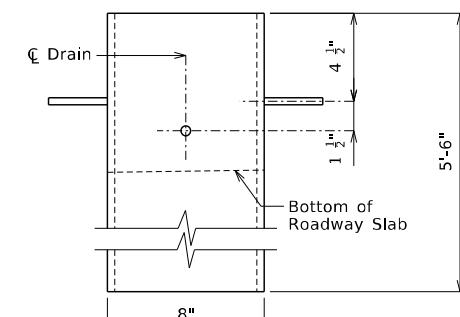
PLAN OF SLAB SHOWING SLAB DRAIN LOCATIONS



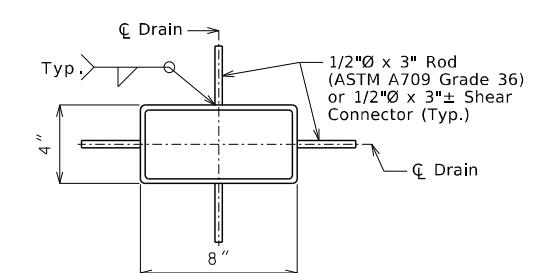
PART SECTION SHOWING BRACKET ASSEMBLY



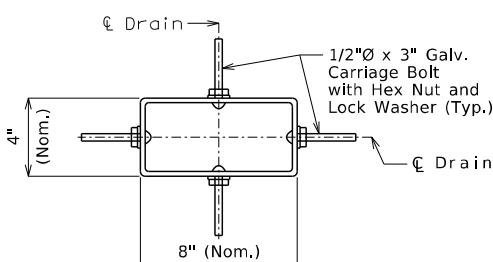
PART SECTION NEAR DRAIN



ELEVATION OF DRAIN



PLAN OF STEEL DRAIN OPTION



PLAN OF FRP DRAIN OPTION

Notes for Steel Drain:

Slab drains may be fabricated of either 1/4" welded sheets of ASTM A709 Grade 36 steel or from 1/4" structural steel tubing ASTM A500 or A501.

Outside dimensions of drains are 8" x 4".

The drains shall be galvanized in accordance with ASTM A123.

Notes for FRP Drain:

Drains shall be machine filament-wound thermosetting resin tubing meeting the requirements of ASTM D2996 with the following exceptions:

Shape of drains shall be rectangular with outside nominal dimensions of 8" x 4".

Minimum reinforced wall thickness shall be 1/4 inch.

The resin used shall be ultraviolet (UV) resistant and/or have UV inhibitors mixed throughout. Drains may have an exterior coating for additional UV resistance.

The color of the slab drain shall be gray (Federal Standard 26373). The color shall be uniform throughout the resin and any coating used.

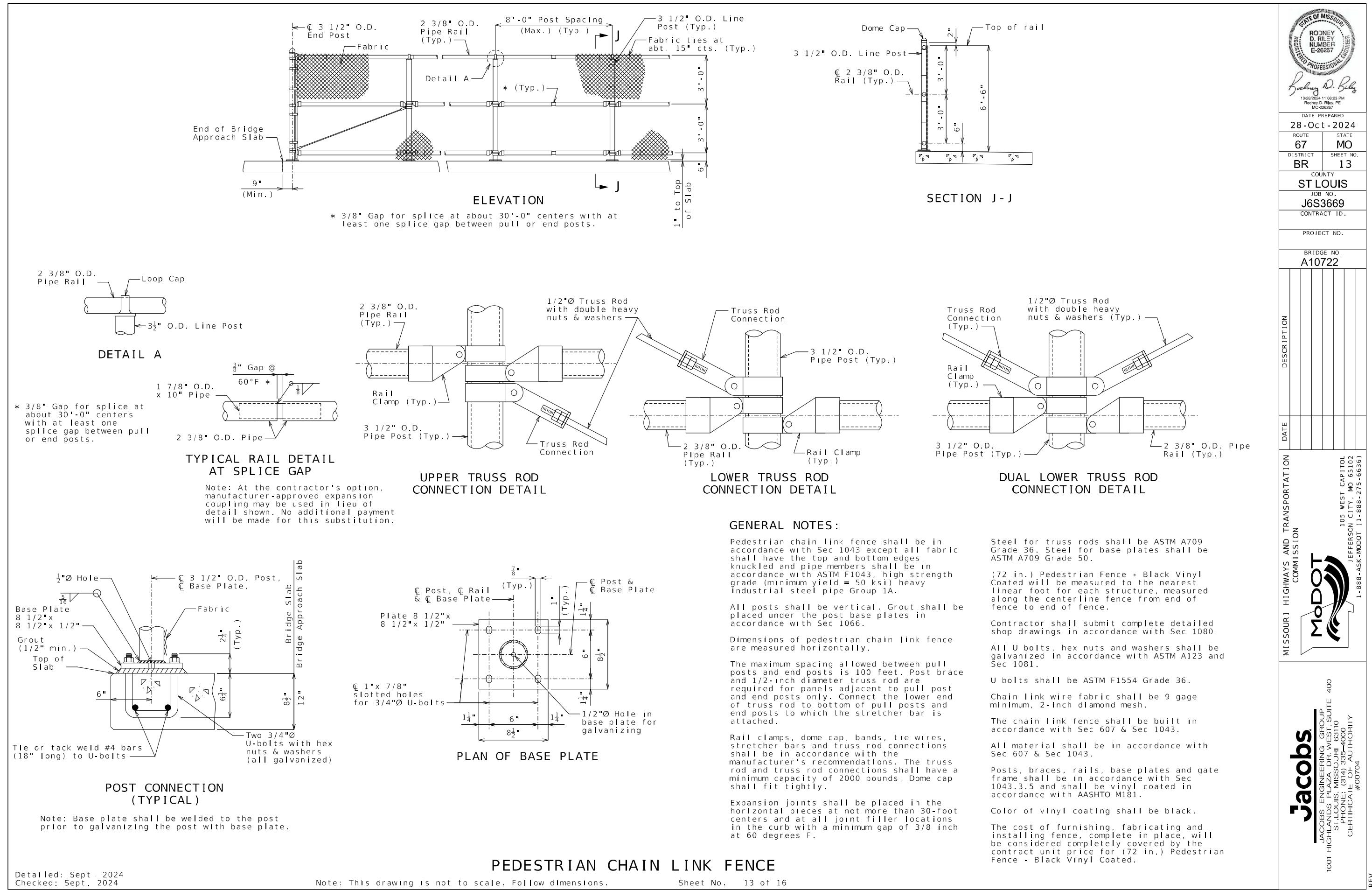
The combination of materials used in the manufacture of the drains shall be tested for UV resistance in accordance with ASTM D4329 Cycle A. The representative material shall withstand at least 500 hours of testing with only minor discoloration and without any physical deterioration. The contractor shall furnish the results of the required ultraviolet testing prior to acceptance of the slab drains.

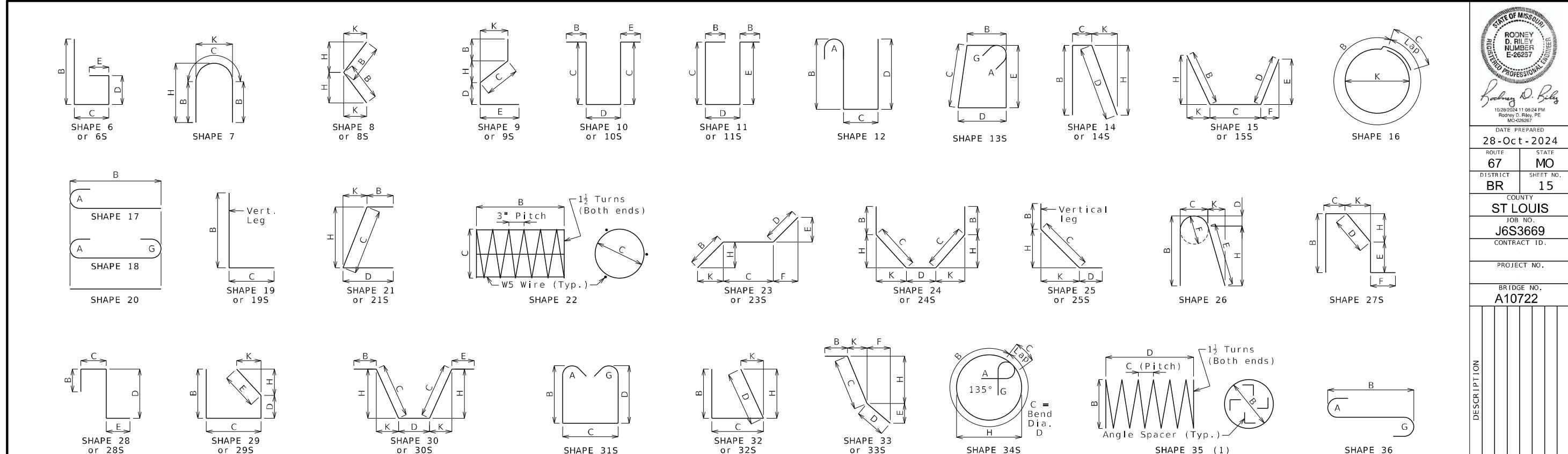
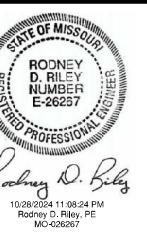
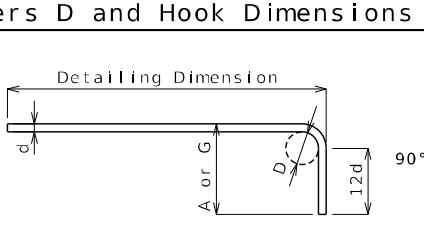
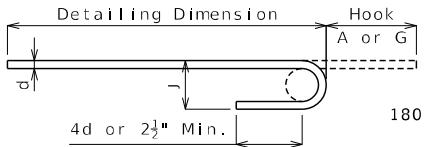
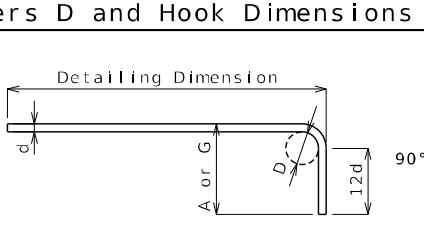
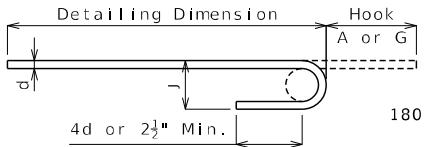
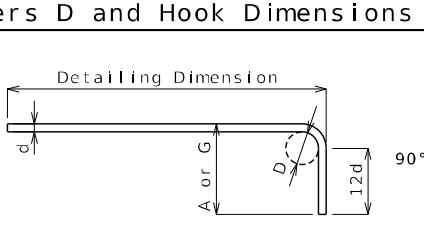
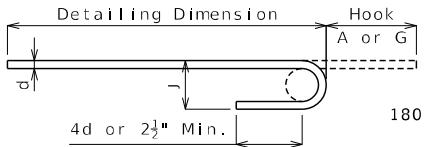
At the contractor's option, drains may be field cut. The method of cutting FRP slab drain shall be recommended by the manufacturer to ensure a smooth, chip free cut.

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PHONE: (314) 335-4000
CERTIFICATE #00704

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												 Rodney D. Riley 10-26-2024 11:09:24 PM Rodney D. Riley, PE MO-026257 DATE PREPARED 28-Oct-2024 ROUTE 67 STATE MO DISTRICT BR SHEET NO. 15 COUNTY ST LOUIS JOB NO. J6S3669 CONTRACT ID. 15 PROJECT NO. A10722 BRIDGE NO. A10722																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: left;">Finished Bend Diameters D and Hook Dimensions</th> <th colspan="3" style="text-align: right;">All dimensions are out to out.</th> </tr> <tr> <th colspan="3" style="text-align: left;">Standard Pin Bend Shapes</th> <th colspan="3" style="text-align: right;">(1) Shall be a deformed or plain spiral bar or wire.</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Size</td> <td rowspan="2">Case</td> <td rowspan="2">D</td> <td colspan="2">A or G</td> <td rowspan="2">J</td> <td colspan="3" rowspan="2">  </td> <td colspan="3" rowspan="2">  </td> </tr> <tr> <td>90°</td> <td>180°</td> </tr> <tr> <td>#4</td> <td>1</td> <td>3"</td> <td>8"</td> <td>6"</td> <td>4"</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td>#5</td> <td>1</td> <td>3 3/4"</td> <td>10"</td> <td>7"</td> <td>5"</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td>#6</td> <td>1</td> <td>4 1/2"</td> <td>12"</td> <td>8 3/4"</td> <td>6"</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td>#7</td> <td>2</td> <td>5 1/4"</td> <td>14"</td> <td>9 3/4"</td> <td>7"</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td></td> <td>3</td> <td>7"</td> <td>15"</td> <td>11 1/2"</td> <td>8 3/4"</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td>#8</td> <td>2</td> <td>6"</td> <td>16"</td> <td>11"</td> <td>8"</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td></td> <td>3</td> <td>8"</td> <td>17"</td> <td>13 1/4"</td> <td>10"</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td>#9</td> <td>1</td> <td>9 1/2"</td> <td>19 1/2"</td> <td>15 1/2"</td> <td>11 3/4"</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td>#10</td> <td>1</td> <td>10 3/4"</td> <td>22"</td> <td>17 1/2"</td> <td>13 3/4"</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td>#11</td> <td>1</td> <td>12"</td> <td>24 1/4"</td> <td>19 1/2"</td> <td>14 3/4"</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td>#14</td> <td>1</td> <td>18 1/4"</td> <td>31 1/4"</td> <td>27 1/4"</td> <td>21 5/8"</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td>#18</td> <td>1</td> <td>24"</td> <td>41 1/2"</td> <td>36 1/4"</td> <td>28 1/2"</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td colspan="12" style="text-align: center; padding: 10px;"> STIRRUP PIN BEND SHAPES (S) </td> </tr> <tr> <td rowspan="2">Size</td> <td rowspan="2">Case</td> <td rowspan="2">D</td> <td colspan="2">A or G</td> <td rowspan="2">H</td> <td rowspan="2">J</td> <td colspan="3" rowspan="2">  </td> <td colspan="3" rowspan="2">  </td> </tr> <tr> <td>90°</td> <td>135°</td> <td>180°</td> <td>135°</td> <td>180°</td> </tr> <tr> <td>#4</td> <td>2</td> <td>2"</td> <td>4 1/2"</td> <td>4 1/2"</td> <td>5"</td> <td>2 7/8"</td> <td>3"</td> <td colspan="3"></td> </tr> <tr> <td></td> <td>3</td> <td>3"</td> <td>5"</td> <td>5 1/4"</td> <td>5 1/4"</td> <td>3 5/8"</td> <td>4"</td> <td colspan="3"></td> </tr> <tr> <td>#5</td> <td>2</td> <td>2 1/2"</td> <td>5 3/4"</td> <td>5 3/4"</td> <td>5 3/4"</td> <td>3 3/8"</td> <td>3 3/4"</td> <td colspan="3"></td> </tr> <tr> <td></td> <td>3</td> <td>3 3/4"</td> <td>6 1/4"</td> <td>6 1/4"</td> <td>7"</td> <td>3 7/8"</td> <td>5"</td> <td colspan="3"></td> </tr> <tr> <td>#6</td> <td>1</td> <td>4 1/2"</td> <td>12"</td> <td>7 3/4"</td> <td>8 1/4"</td> <td>4 5/8"</td> <td>6"</td> <td colspan="3"></td> </tr> <tr> <td colspan="12" style="text-align: center; padding: 10px;"> APPLICABLE FOR ALL GRADES OF STEEL. </td> </tr> <tr> <td colspan="12" style="text-align: center; padding: 10px;"> Case 1 applies to all reinforcement. Case 2 applies to all reinforcement except for galvanized bars. Case 3 applies to galvanized bars only. </td> </tr> <tr> <td colspan="12" style="text-align: center; padding: 10px;"> </td> </tr> <tr> <td colspan="12" style="text-align: center; padding: 10px;"> BENDING DIAGRAMS </td> </tr> <tr> <td colspan="12" style="text-align: center; padding: 10px;"> REINFORCING STEEL TOTALS (POUNDS) </td> </tr> <tr> <td rowspan="2" style="text-align: center; vertical-align: bottom;">Size</td> <td colspan="2" style="text-align: center; vertical-align: bottom;">Substructure</td> <td colspan="4" style="text-align: center; vertical-align: bottom;">Superstructure</td> <td colspan="2" style="text-align: center; vertical-align: bottom;">Entire Bridge</td> </tr> <tr> <td style="text-align: center; vertical-align: bottom;">Plain</td> <td style="text-align: center; vertical-align: bottom;">Epoxy</td> <td style="text-align: center; vertical-align: bottom;">Slab</td> <td style="text-align: center; vertical-align: bottom;">Epoxy</td> <td style="text-align: center; vertical-align: bottom;">Barrier</td> <td style="text-align: center; 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vertical-align: middle;">56,502</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">7</td> <td style="text-align: center; vertical-align: middle;">0</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">8</td> <td style="text-align: center; vertical-align: middle;">0</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">9</td> <td style="text-align: center; vertical-align: middle;">0</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">10</td> <td style="text-align: center; vertical-align: middle;">0</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">11</td> <td style="text-align: center; vertical-align: middle;">0</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">14</td> <td style="text-align: center; vertical-align: middle;">0</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">18</td> <td style="text-align: center; vertical-align: middle;">0</td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">By Type</td> <td style="text-align: center; vertical-align: middle;">0</td> <td style="text-align: center; vertical-align: middle;">0</td> <td style="text-align: center; vertical-align: middle;">0</td> <td style="text-align: center; vertical-align: middle;">124,728</td> <td style="text-align: center; vertical-align: middle;">12,983</td> <td style="text-align: center; vertical-align: middle;">635</td> <td style="text-align: center; vertical-align: middle;">0</td> <td style="text-align: center; vertical-align: middle;">134,346</td> </tr> <tr> <td colspan="12" style="text-align: center; padding: 10px;"> All superstructure reinforcing steel shall be epoxy coated unless otherwise specified. </td> </tr> </tbody></table>														Finished Bend Diameters D and Hook Dimensions			All dimensions are out to out.			Standard Pin Bend Shapes			(1) Shall be a deformed or plain spiral bar or wire.			Size	Case	D	A or G		J							90°	180°	#4	1	3"	8"	6"	4"							#5	1	3 3/4"	10"	7"	5"							#6	1	4 1/2"	12"	8 3/4"	6"							#7	2	5 1/4"	14"	9 3/4"	7"								3	7"	15"	11 1/2"	8 3/4"							#8	2	6"	16"	11"	8"								3	8"	17"	13 1/4"	10"							#9	1	9 1/2"	19 1/2"	15 1/2"	11 3/4"							#10	1	10 3/4"	22"	17 1/2"	13 3/4"							#11	1	12"	24 1/4"	19 1/2"	14 3/4"							#14	1	18 1/4"	31 1/4"	27 1/4"	21 5/8"							#18	1	24"	41 1/2"	36 1/4"	28 1/2"							STIRRUP PIN BEND SHAPES (S)												Size	Case	D	A or G		H	J							90°	135°	180°	135°	180°	#4	2	2"	4 1/2"	4 1/2"	5"	2 7/8"	3"					3	3"	5"	5 1/4"	5 1/4"	3 5/8"	4"				#5	2	2 1/2"	5 3/4"	5 3/4"	5 3/4"	3 3/8"	3 3/4"					3	3 3/4"	6 1/4"	6 1/4"	7"	3 7/8"	5"				#6	1	4 1/2"	12"	7 3/4"	8 1/4"	4 5/8"	6"				APPLICABLE FOR ALL GRADES OF STEEL.												Case 1 applies to all reinforcement. Case 2 applies to all reinforcement except for galvanized bars. Case 3 applies to galvanized bars only.																								BENDING DIAGRAMS												REINFORCING STEEL TOTALS (POUNDS)												Size	Substructure		Superstructure				Entire Bridge		Plain	Epoxy	Slab	Epoxy	Barrier	Slip Form	Plain	Epoxy	By Size	W5	0	0	0	0	0	0	0	4	0	0	0	2,036	0	0	2,036	5	0	0	0	66,190	12,983	635	0	79,808	6	0	0	0	56,502	0	0	0	56,502	7	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	By Type	0	0	0	124,728	12,983	635	0	134,346	All superstructure reinforcing steel shall be epoxy coated unless otherwise specified.									
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No. Req.	Size/ Mark	Location	Codes	Dimensions							Nom. Length	Actual Length	Weight							
				B	C	D	E	F	H	K										
				C	SH	V	ft	in.	ft	in.										
SUPERSTRUCTURE																				
END BENT 1																				
7	6H102	DIAPH	E 20	41- 6					41- 6	41- 6	436									
7	6H103	DIAPH	E 20	32- 8					32- 8	32- 8	343									
5	5H104	DIAPH	E 20	41- 6					41- 6	41- 6	216									
5	5H105	DIAPH	E 20	32- 8					32- 8	32- 8	170									
66	5U100	DIAPH	E 10S		3- 8	1- 6.75			8- 11	8- 8	597									
66	5U101	DIAPH	E 11S		4- 10	0- 7.5	1- 6		7- 0	6- 9	465									
66	5U102	DIAPH	E 10S		3- 11	1- 6.75			9- 5	9- 2	631									
SLAB																				
5	6H100	SLAB	E 20	41- 6					41- 6	41- 6	312									
5	6H101	SLAB	E 20	32- 8					32- 8	32- 8	245									
5	6H400	SLAB	E 20	41- 6					41- 6	41- 6	312									
5	6H401	SLAB	E 20	32- 8					32- 8	32- 8	245									
596	5S1	SLAB	E 20	55- 0					55- 0	55- 0	34,190									
385	6S2	SLAB	E 20	37- 8					37- 8	37- 8	21,782									
385	5S3	SLAB	E 20	37- 8					37- 8	37- 8	15,125									
393	6S4	SLAB	E 20	29- 8					29- 8	29- 8	17,512									
393	5S5	SLAB	E 20	29- 8					29- 8	29- 8	12,160									
136	5S6	SLAB	E 20	2- 6					2- 6	2- 6	355									
216	6S7	SLAB	E 20	37- 1					37- 1	37- 1	12,031									
34	6S8	SLAB	E 20	1 2- 4					2- 4	2- 4	1,021									
	INCR.=			37- 8					37- 8	37- 8										
	12.875 in																			
34	5S9	SLAB	E 20	1 2- 4					2- 4	2- 4	709									
	INCR.=			37- 8					37- 8	37- 8										
	12.875 in																			
26	6S10	SLAB	E 20	1 2- 2.625					2- 3	2- 3	610									
	INCR.=			29- 0					29- 0	29- 0										
	12.875 in																			
26	5S11	SLAB	E 20	1 2- 2.625					2- 3	2- 3	424									
	INCR.=			29- 0					29- 0	29- 0										
	12.875 in																			
34	6S12	SLAB	E 20	1 2- 2.625					2- 3	2- 3	1,017									
	INCR.=			37- 7.25					37- 7	37- 7										
	12.875 in																			
34	5S13	SLAB	E 20	1 2- 2.625					2- 3	2- 3	706									
	INCR.=			37- 7.25					37- 7	37- 7										
	12.875 in																			
26	6S14	SLAB	E 20	1 2- 11					2- 11	2- 11	636									
	INCR.=			29- 8					29- 8	29- 8										
	12.875 in																			
26	5S15	SLAB	E 20	1 2- 11					2- 11	2- 11	442									
	INCR.=			29- 8					29- 8	29- 8										
	12.875 in																			
1463	4S16	HAUNCH	E 10S	0- 6	0- 6	0- 5	0- 6		2- 5	2- 1	2,036									

Nominal lengths are based on out to out dimensions shown in bending diagrams and are listed to the nearest inch for fabricator's use. Actual lengths are measured along centerline bar to the nearest inch. Weights are based on actual lengths.

For bending diagrams and steel reinforcing totals, see Sheet No. 14.

Detailed: Sept. 2024
Checked: Sept. 2024

All bars shall be Grade 60.

Sheet No. 16 of 16

Codes: C = Required coatings, where E = Epoxy Coated and G = Galvanized.

SH = Required shape, see bending diagrams.

V = Sets of varied bars and number of bars of each length. Bar dimensions vary in equal increments between dimensions shown on this line and the following line and the actual length dimension shown on this line and the following line vary by the specified increment.

pw:// jacobs - us - va - pw.bentley.com: jacobs - us - va - pw - 04 / Documents / F3X01700 - MoDOT - Route 67 PMC / 30 Project Data / PID / Bridge / Sheets / A1072 / B_A1072_016_J6S3669_BarList - 01.dgn

Bill of Reinforcing Steel																				
No. Req.	Size/ Mark	Location	Codes	Dimensions							Nom. Length	Actual Length	Weight							
				B	C	D	E	F	H	K										
TYPE D BARRIER																				
20	5K1	BARRIER	E 27S	1- 10.5	0- 9.25	0- 5.375	1- 4.75	1- 0	0- 5.25	0- 1	5- 6	5- 2	108							
100	5K3	BARRIER	E 27S	1- 10.5	0- 9.25	1- 2.5	0- 7.75	1- 0	1- 2.25	0- 2.75	5- 6	5- 2	539							
20	5K4	BARRIER	E 195 4	2- 4.25	0- 10						3- 2	3- 1	66							
	INCR.=			2- 6.25	0- 10						3- 4	3- 3								
	.5 in																			
20	5K5	BARRIER	E 38S 4				1- 6.5	0- 9.5	0- 8.25	1- 6	0- 4	3- 0	2- 11	63						
	INCR.=						1- 8.5	0- 9.5	0-											

U.I.P., REDECK, STRENGTHEN AND REHABILITATE EXISTING (66'-87'-66')
CONTINUOUS COMPOSITE PLATE GIRDER SPANS

SEC/SUR 104&1202 TWP 47N RGE 6E

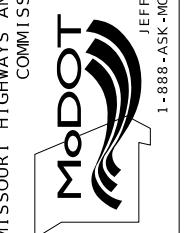


01/20/2025 11:57:03 AM
Rodney D. Riley, PE
E26267

DATE PREPARED
20-Jan-2025

ROUTE 67 STATE MO
DISTRICT BR SHEET NO. 1
COUNTY ST LOUIS
JOB NO. J6S3669
CONTRACT ID. A10742
PROJECT NO.
BRIDGE NO.

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



Jacobs
Jacobs Engineering Group
1001 HIGHLANDS PLAZA DR, WEST SUITE 400
ST. LOUIS, MISSOURI 63110
PHONE: (314) 334-4000
CERTIFICATE OF AUTHORITY #00704

Required Lap Length For Bar Splices (1)	
Bar Size	Splice Length
4	2'-8"
5	3'-4"
6	4'-0"
7	4'-8"

(1) Unless otherwise shown.

Table Showing S6 Bar Lengths			
Int. Bent No. 2	Int. Bent No. 3	Span 1	Span 2
15'-6"	15'-6"	15'-6"	15'-6"

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.)
Standard Specifications

Design Loading:

HS20-44
35 lb/sf Future Wearing Surface
Earth - 120 lb/cf, Equivalent Fluid Pressure 45 lb/cf

Design Unit Stresses:

Class B-1 Concrete
Class B-2 Concrete (End Bents, Superstructure,
except Barrier)
Reinforcing Steel (ASTM A615 Grade 60)
Structural Carbon Steel (ASTM A709 Grade 36)

$f'_c = 4,000$ psi
 $f'_c = 4,000$ psi
 $f_y = 60,000$ psi
 $f_y = 36,000$ psi

Joint Filler:

All joint filler shall be in accordance with Sec 1057 for preformed sponge rubber expansion and partition joint filler, except as noted.

Reinforcing Steel:

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

Miscellaneous:

The top, sides and bottom of the top flanges of existing steel girders shall be cleaned with a minimum of SSPC-SP-3 surface preparation and coated with a minimum of one coat of gray epoxy-mastic primer (non-aluminum) in accordance with Sec 1081 to produce a dry film thickness of not less than 3 mils before concrete is poured. The cost will be considered completely covered by the contract unit price for Slab on Steel.

Bars bonded in existing concrete not removed shall be cleanly stripped and embedded into new concrete where possible. If length is available, existing bars shall extend into new concrete at least 40 diameters for smooth bars and 30 diameters for deformed bars, unless otherwise noted.

Final top of slab elevations shall match existing top of overlay elevations.

Roadway surfacing adjacent to bridge ends shall match new bridge slab surface. (Roadway item)

All concrete repairs shall be in accordance with Sec 704, unless noted otherwise.

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Longitudinal dimensions are based on original plans.

Contractor shall verify all dimensions in field before ordering new material.

The area exposed by the removal of concrete and not covered with new concrete shall be coated with an approved qualified special mortar in accordance with Sec 704.

MBS refers to mechanical bar splices. Mechanical bar splices shall be in accordance with Sec 706 or 710.

Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for traffic control.

Resin Anchor Systems:

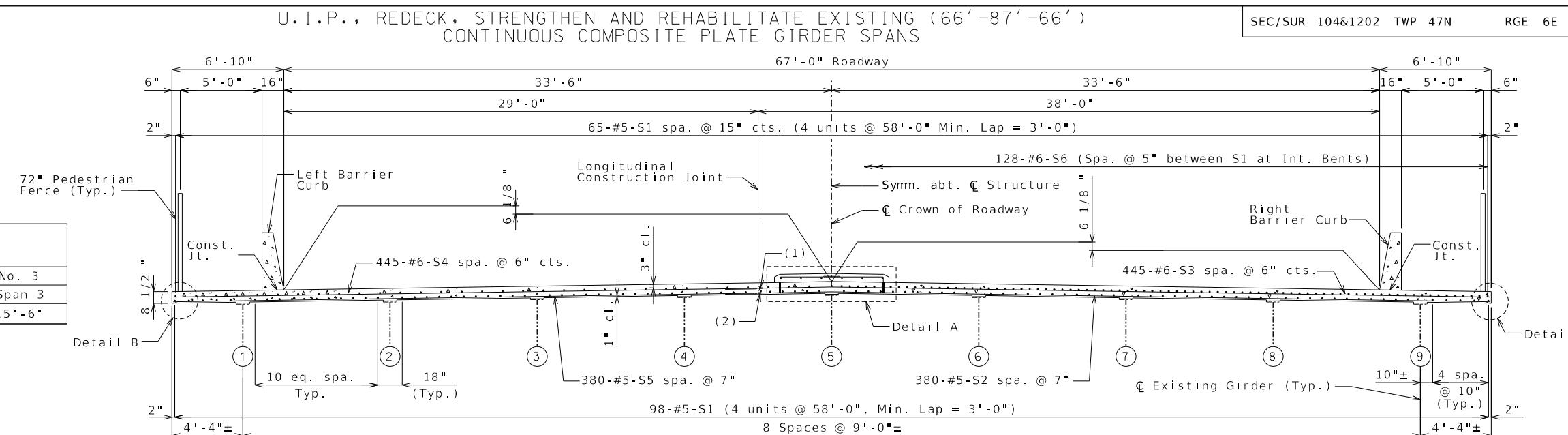
The contractor shall use one of the qualified resin anchor systems in accordance with Sec 1039.

The minimum embedment depth in concrete with $f'_c = 4,000$ psi for the resin anchor systems shall be that required to meet the minimum ultimate pull out strength in accordance with Sec 1039 but shall not be less than 5".

Cost of furnishing and installing the resin anchor systems, complete in place, will be considered completely covered by the contract unit price for Raised Median Barrier.

An epoxy coated #4 Grade 60 reinforcing bar 4'-5" long shall be substituted for the 1/2" threaded rod.

Detailed Sep. 2024
Checked Sep. 2024



HALF SECTION NEAR MIDSPAN

MBS = Mechanical Bar Splice

(1) 445#6-MBS S3-S4, 4#6-MBS H106-H107

& 4#6-MBS H400-H401

(2) 380#5-MBS S2-S5

(Looking Ahead Station, Slab Drains Not Shown)

TYPICAL SECTION THRU SLAB

(Looking Ahead Station, Slab Drains Not Shown)

Estimated Quantities

Item	Total
Removal of Miscellaneous ACM (Non-Friable)	sq. foot 20
Temporary Shoring	Lump sum 1
Removal of Existing Bridge Deck	sq. foot 18,516
Repair Existing Approach Haunch	linear foot 36
Remove and Replace Approach Haunch	linear foot 36
Bridge Approach Slab (Major)	sq. yard 359
(72 in.) Pedestrian Fence - Black Vinyl Coated	linear foot 525
Slab on Steel	sq. yard 1,993
Type D Barrier	linear foot 525
Raised Median Barrier	sq. foot 1,836
Substructure Repair (Unformed)	sq. foot 50
Mechanical Bar Splice	each 849
Strengthening Existing Beams	Lump sum 1
Slab Drain	each 40
Surface Preparation for Overcoating Structural Steel (System G)	sq. foot 2,800
Intermediate Field Coat (System G)	sq. foot 2,800
Finish Field Coat (System G)	sq. foot 2,800
Vertical Drain at End Bents	each 2
Open Cell Foam Joint Seal	linear foot 81

Cost of any required excavation for bridge will be considered completely covered by the contract unit price for other items.

Estimated Quantities for Slab on Steel

Item	Total
Class B-2 Concrete	cu. yard 527
Reinforcing Steel (Epoxy Coated)	pound 147,860

The table of Estimated Quantities for Slab on Steel represents the quantities used by the State in preparing the cost estimate for concrete slabs. The area of the concrete slab will be measured to the nearest square yard longitudinally from end of slab to end of slab and transversely from out to out of bridge slab (or with the horizontal dimensions as shown on the plan of slab). Payment for stay-in-place corrugated steel forms, conventional forms, all concrete and epoxy coated reinforcing steel will be considered completely covered by the contract unit price for the slab. Variations may be encountered in the estimated quantities but the variations cannot be used for an adjustment in the contract unit price.

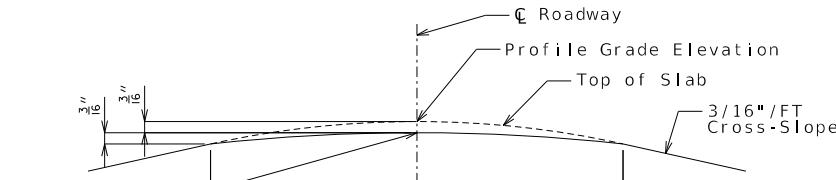
Method of forming the slab shall be in accordance with Sec 703. All hardware for forming the slab to be left in place as a permanent part of the structure shall be coated in accordance with ASTM A123 or ASTM B633 with a thickness class SC 4 and a finish type I, II or III.

Slab shall be cast-in-place with conventional forming or stay-in-place corrugated steel forms. Precast prestressed panels will not be permitted.

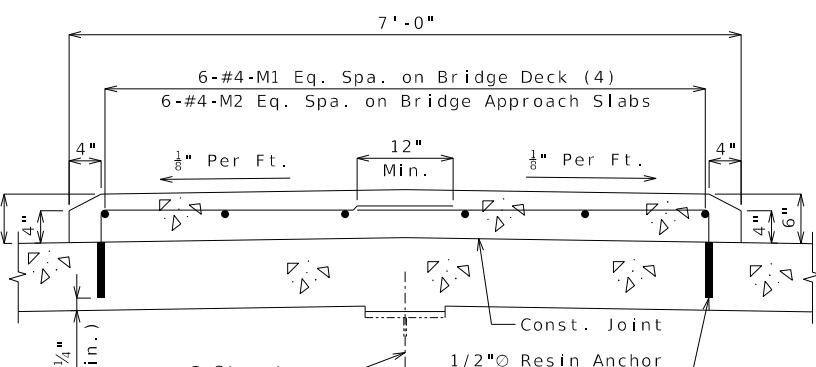
For Optional Stay-In-Place Form Details, see Sheet No. 2.

REPAIRS TO BRIDGE:
ROUTE 67 OVER COLDWATER CREEK

ROUTE 67 FROM ROUTE AC TO ROUTE 367
ABOUT 0.5 MILE NORTHEAST OF ROUTE AC
BEGINNING STATION 251+00.90± (MATCH EXISTING)

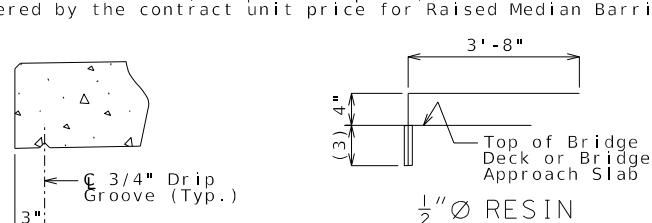


PARABOLIC CROWN DETAIL



DETAIL A

(4) 6 units @ 38'-9", Min. Lap = 23"
The cost of the M1 and M2 bars, complete in place, will be considered completely covered by the contract unit price for Raised Median Barrier.



DETAIL B

(3) Manufacturer's recommended embedment length (5" Min.)

ANCHOR DETAIL (526 required, epoxy coated)

Sheet No. 1 of 16

General Notes:

Stay-In-Place Forms:

Corrugated steel forms, supports, closure elements and accessories shall be in accordance with grade requirement and coating designation G165 of ASTM A653. Complete shop drawings of the permanent steel deck forms shall be required in accordance with Sec 1080.

Corrugations of stay-in-place forms shall be filled with an expanded polystyrene material. The polystyrene material shall be placed in the forms with an adhesive in accordance with the manufacturer's recommendations.

Form sheets shall not rest directly on the top of beam flanges. Sheets shall be securely fastened to form supports with a minimum bearing length of one inch on each end. Form supports shall be placed in direct contact with the flange. Welding on or drilling holes in the beam flanges will not be permitted. All steel fabrication and construction shall be in accordance with Sec 1080 and 712. Certified field welders will not be required for welding of the form supports.

The design of stay-in-place corrugated steel forms is per manufacturer which shall be in accordance with Sec 703 for false work and forms. Maximum actual weight of corrugated steel forms allowed shall be 4 psf assumed for beam loading.

Overcoating Existing Steel:

Protective Coating: System G in accordance with Sec. 1081.

The field coating limits shall include the facia girders in accordance with Sec 1081.10.3.4.2.

Surface preparation: Surface preparation of the existing steel shall be in accordance Sec 1081 for Overcoating of Structural Steel. The cost of surface preparation will be considered completely covered by the contract unit price per sq. foot for Surface Preparation for Overcoating Structural Steel (System G).

Field Coat(s): The color of the field overcoat shall be Grey (Federal Standard #26373) shall be applied with Sec 1081.10.3.4. The cost of the intermediate field coat will be considered completely covered by the contract unit price per sq. foot for Intermediate Field Coat (System G). The cost of the finish field coat will be considered completely covered by the contract unit price per sq. foot for Finish Field Coat (System G).

All exposed surfaces (non-contact surfaces) of the strengthening web stiffener plates, not included in the overcoating limits, shall be coated with a minimum of one coat of gray epoxy-mastic primer (non-aluminum) in accordance with Sec 1081 to produce a dry film thickness of not less than 3 mils. The cost of the epoxy-mastic primer will be considered completely covered by the contract lump sum price for Strengthening Existing Beams.

Pouring and Finishing Slab:

The contractor shall provide bracing necessary for lateral and torsional stability of the beams during construction of the concrete slab and remove the bracing after the slab has attained 75% design strength. Contractor shall not weld on or drill holes in the beams. The cost for furnishing, installing, and removing bracing will be considered completely covered by the contract unit price for Slab on Steel.

The contractor shall pour and satisfactorily finish the slab pours at a minimum rate of 51 cubic yards per hour without retarder. Slab shall be poured upgrade from end to end.

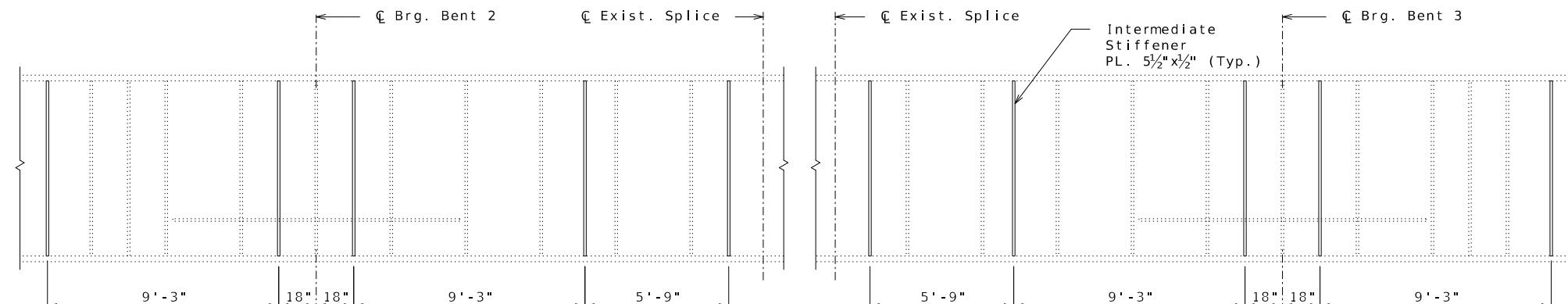
Retarder, if used, shall be an approved type and retard the set of concrete to 2.5 hours.

Alternate pour sequences may be submitted to the engineer for approval. Keyed construction joints shall be provided between pours.

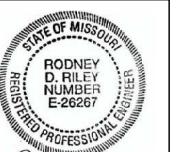
For adjusted girder deflection due to weight of new deck and barriers, see Bridge Electronic Deliverables.

Haunching:

(1) Slab is to be considered a uniform thickness as shown on the plans. Haunching will vary. See front sheet for slab thickness.



PART ELEVATION GIRDERS (2 TO 8) SHOWING WEB STIFFENERS



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ROUTE 67 STATE MO

DISTRICT BR SHEET NO. 2

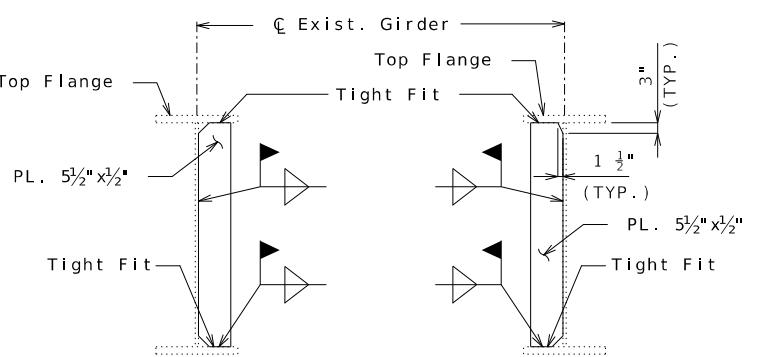
COUNTY ST LOUIS

JOB NO. J6S3669

CONTRACT ID.

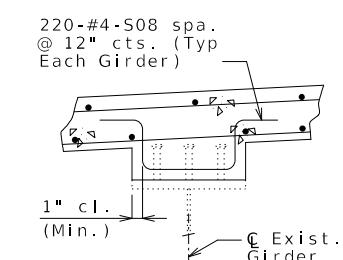
PROJECT NO.

BRIDGE NO. A10742

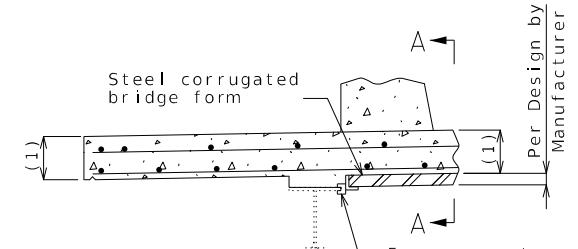


INTERMEDIATE WEB STIFFENER (GIRDERS 2 & 8)

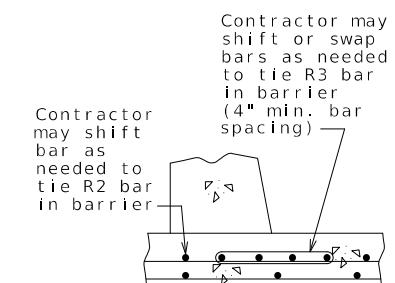
INTERMEDIATE WEB STIFFENER (GIRDERS 3 TO 7)



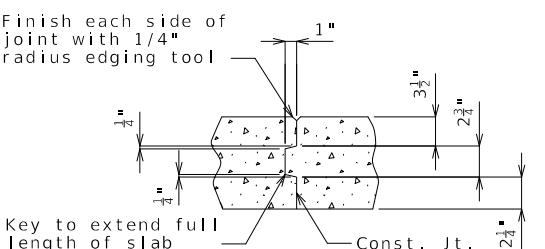
SECTION THRU HAUNCH



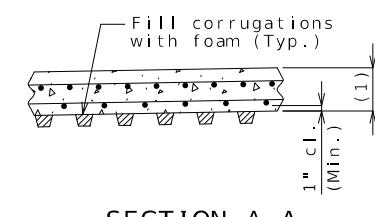
OPTIONAL STAY-IN-PLACE FORM DETAILS



OPTIONAL SHIFTING TOP BARS AT BARRIER

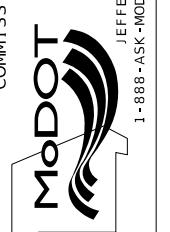


LONGITUDINAL SLAB JOINT



SECTION A-A

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JACOBS ENGINEERING GROUP
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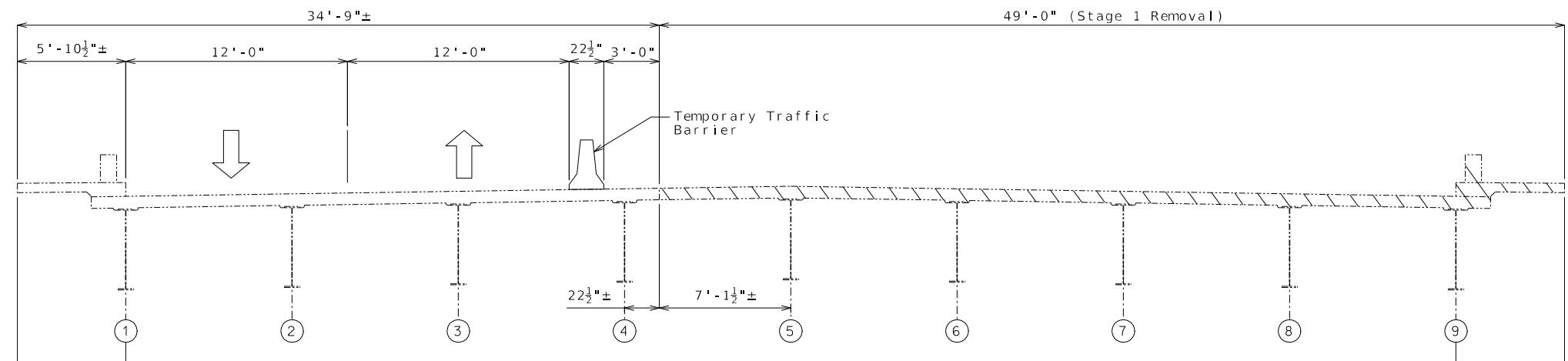
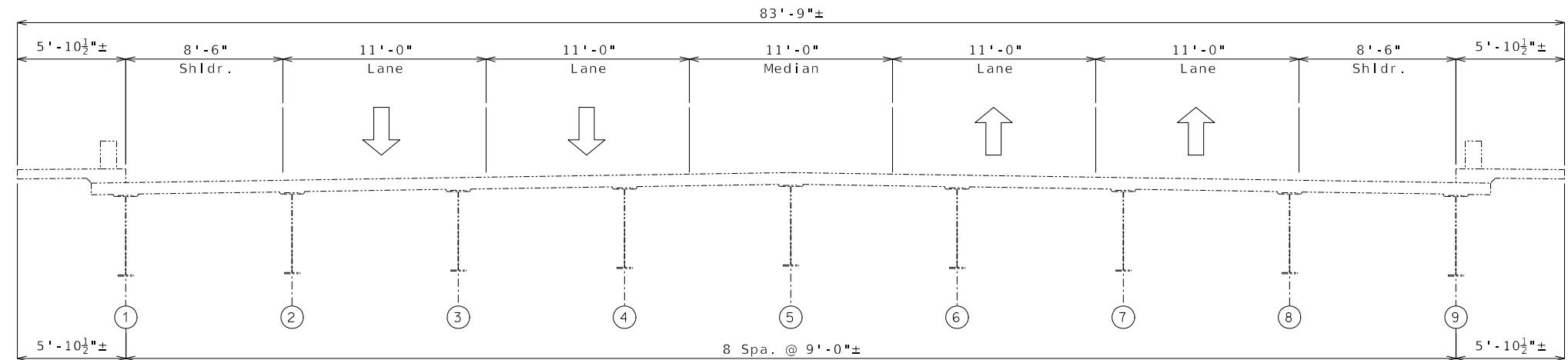
ROUTE 67 STATE MO
DISTRICT BR SHEET NO. 3
COUNTY ST LOUIS
JOB NO. J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO. A10742

DESCRIPTION	DATE



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NOTE:

Existing bolts on intermediate diaphragms and cross frames that connect girders under different construction staged slab pours shall be removed and replaced with new in kind high strength bolts installed snug tight and in accordance with Sec 712. The high strength bolts shall be tightened after both adjacent slab pours are completed. Cost will be considered incidental to other pay items.

CONSTRUCTION STAGING (1 OF 3)

Detailed Sep. 2024
Checked Sep. 2024

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

Sheet No. 3 of 16

pw://jacobs-us-va-pw.bentley.com:jacobs-us-va-pw-04/Documents/F3X01700 - MoDOT- Route 67 PMC/30 Project Data/PID/Bridge/Sheets/A1074/B_A1074_003_J6S3669_Construction_Staging_1.dgn

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ROUTE 67 STATE MO

DISTRICT BR SHEET NO. 4

COUNTY ST LOUIS

JOB NO. J6S3669

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A10742

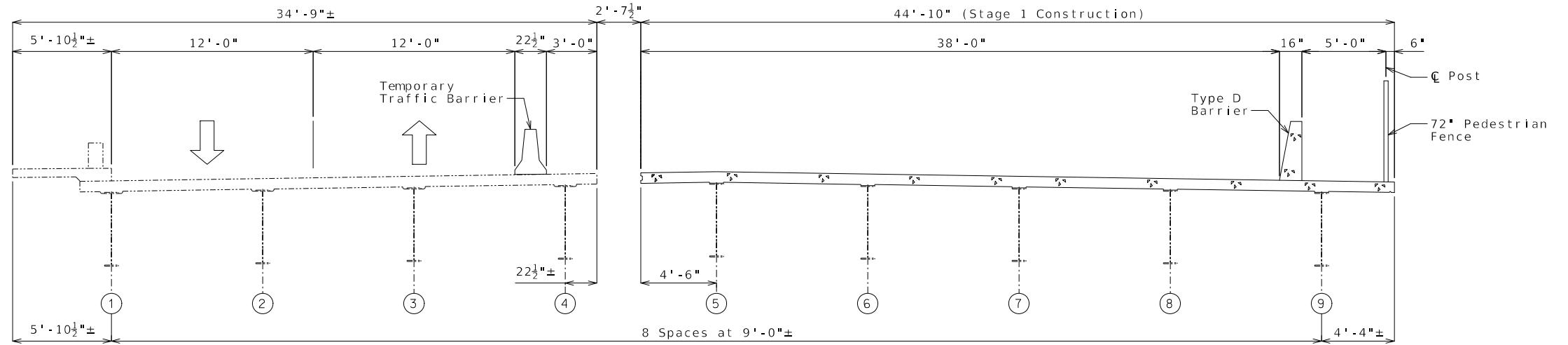
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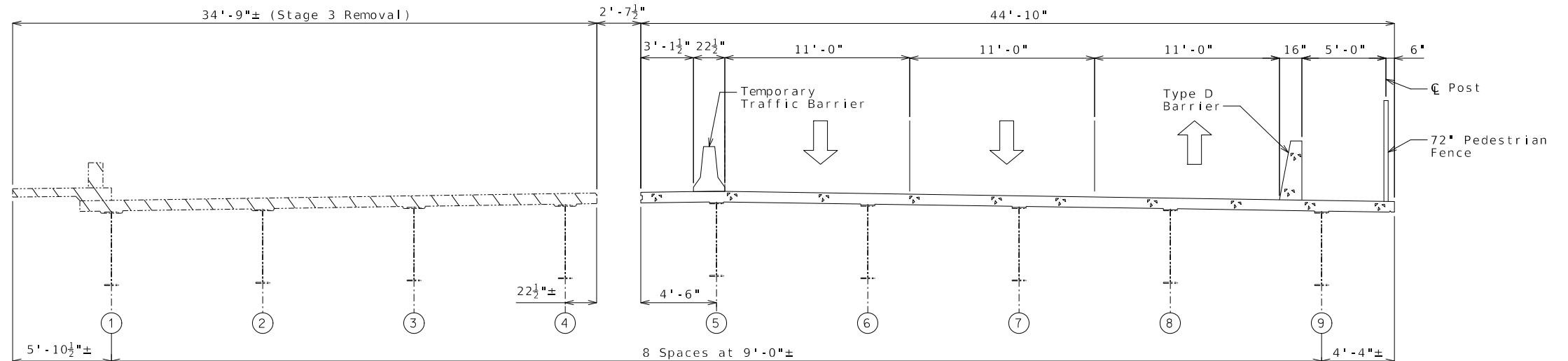
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STAGE 2 - CONSTRUCTION
(Looking Ahead Station, Slab Drains Not Shown)



STAGE 3 - DEMOLITION
(Looking Ahead Station, Slab Drains Not Shown)

NOTE:

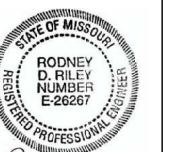
Existing bolts on intermediate diaphragms and cross frames that connect girders under different construction staged slab pours shall be removed and replaced with new in kind high strength bolts installed snug tight and in accordance with Sec 712. The high strength bolts shall be tightened after both adjacent slab pours are completed. Cost will be considered incidental to other pay items.

CONSTRUCTION STAGING (2 OF 3)

Detailed Sep. 2024
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Note: This drawing is not to scale. Follow dimensions.

Sheet No. 4 of 16



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ROUTE 67 STATE MO

DISTRICT BR SHEET NO. 5

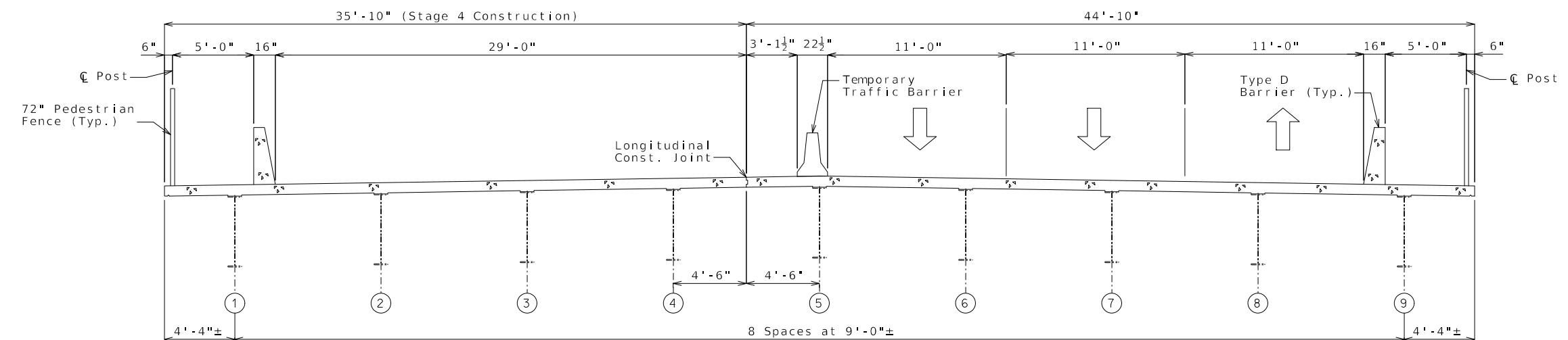
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JOB NO. J6S3669

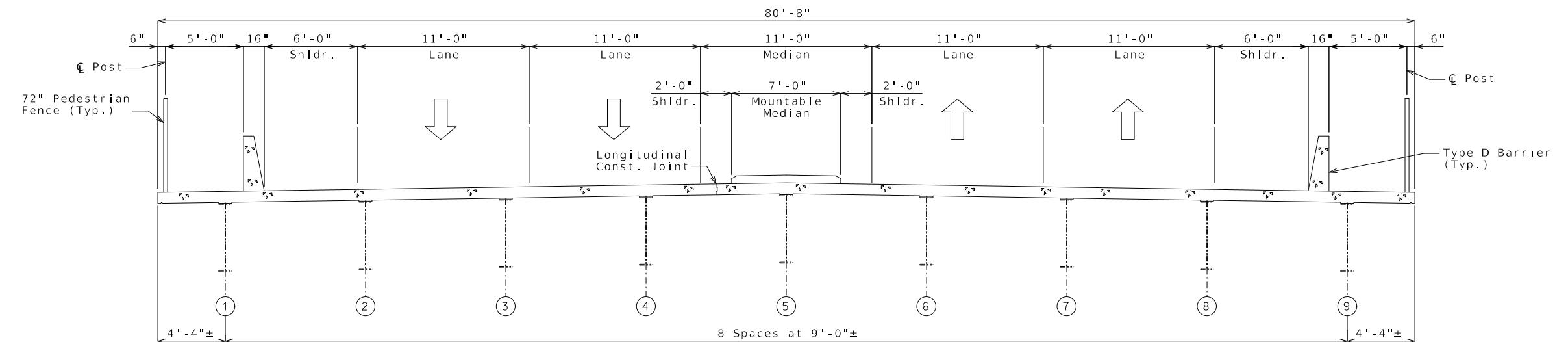
CONTRACT ID.

PROJECT NO.

BRIDGE NO. A10742



STAGE 4 - CONSTRUCTION
(Looking Ahead Station, Slab Drains Not Shown)



FINAL
(Looking Ahead Station, Slab Drains Not Shown)

NOTE:

Existing bolts on intermediate diaphragms and cross frames that connect girders under different construction staged slab pours shall be removed and replaced with new in kind high strength bolts installed snug tight and in accordance with Sec 712. The high strength bolts shall be tightened after both adjacent slab pours are completed. Cost will be considered incidental to other pay items.

CONSTRUCTION STAGING (3 OF 3)

Detailed Sep. 2024
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Note: This drawing is not to scale. Follow dimensions.

Sheet No. 5 of 16



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ROUTE 67 STATE MO
DISTRICT BR SHEET NO. 6

COUNTY ST LOUIS

JOB NO. J6S3669

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A10742

DESCRIPTION

DATE

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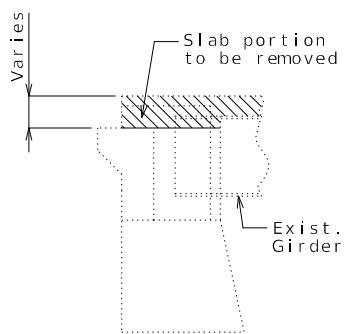
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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

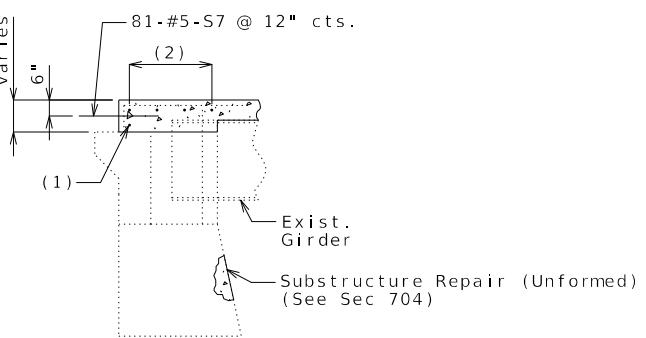
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PART SECTION SHOWING SLAB REMOVAL AT END BENT NO. 4



PART SECTION THRU SLAB AT END BENT NO. 4

Notes:

Remove and replace deteriorated sections of approach haunch as designated by the engineer and in accordance with details shown.

Minimum length of replacement shall be 2'-0" as shown.

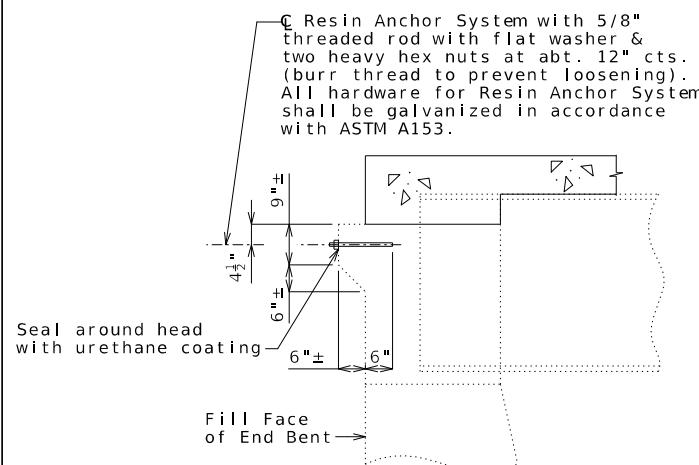
Removal of concrete shall be in accordance with Sec 216.

Concrete for approach haunch replacement shall be Class B-1.

(1) 1-#6-H400 spliced with 1-#6-H401 at End Bent No. 4.

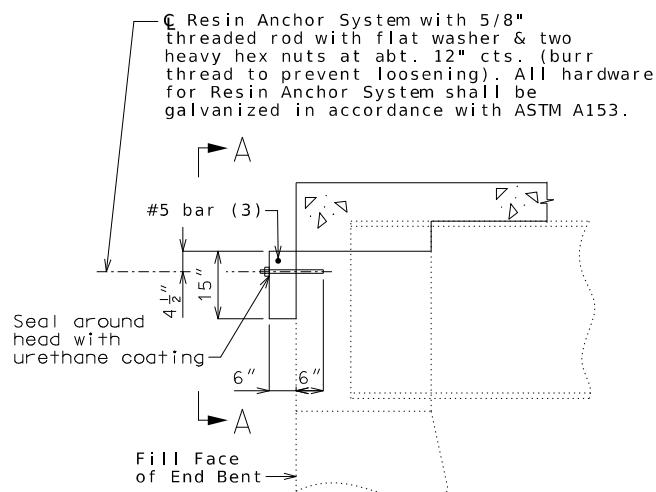
(2) 4-#6-H400 spliced with 4-#6-H401 at End Bent No. 4.

(3) Haunch reinforcing bars are not included in the Bill of Reinforcing Steel. Quantity and length of haunch reinforcing bars will be as directed by the engineer.



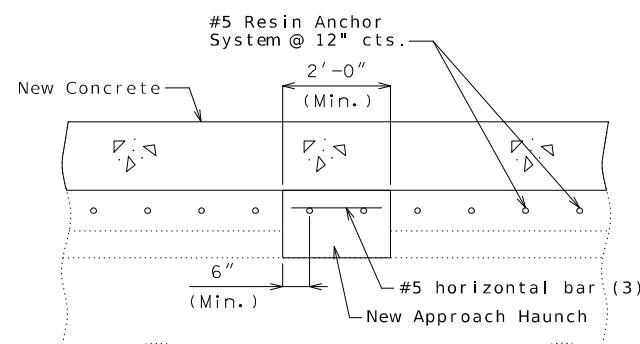
PART SECTION THRU END BENT NO. 4 WITH APPROACH HAUNCH REPAIR

Cost of furnishing and installing anchor systems for approach haunch repair, complete in place, will be considered completely covered by the contract unit price for Repair Existing Approach Haunch.

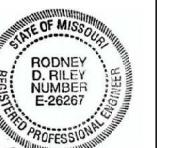


PART SECTION THRU END BENT NO. 4 WITH APPROACH HAUNCH REPLACEMENT

Cost of concrete removal, furnishing and installing anchor systems, concrete and reinforcement for approach haunch replacement will be considered completely covered by the contract unit price for Remove and Replace Approach Haunch.



PART ELEVATION A-A



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ROUTE 67 STATE MO

DISTRICT BR SHEET NO. 7

COUNTY ST LOUIS

JOB NO. J6S3669

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A10742

SECTION AT C BENT

DESCRIPTION

DATE

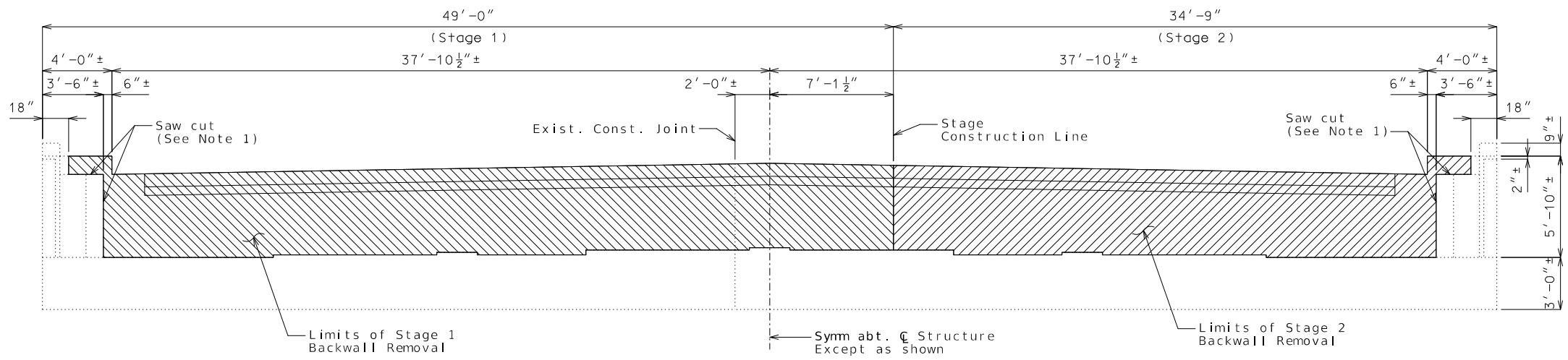
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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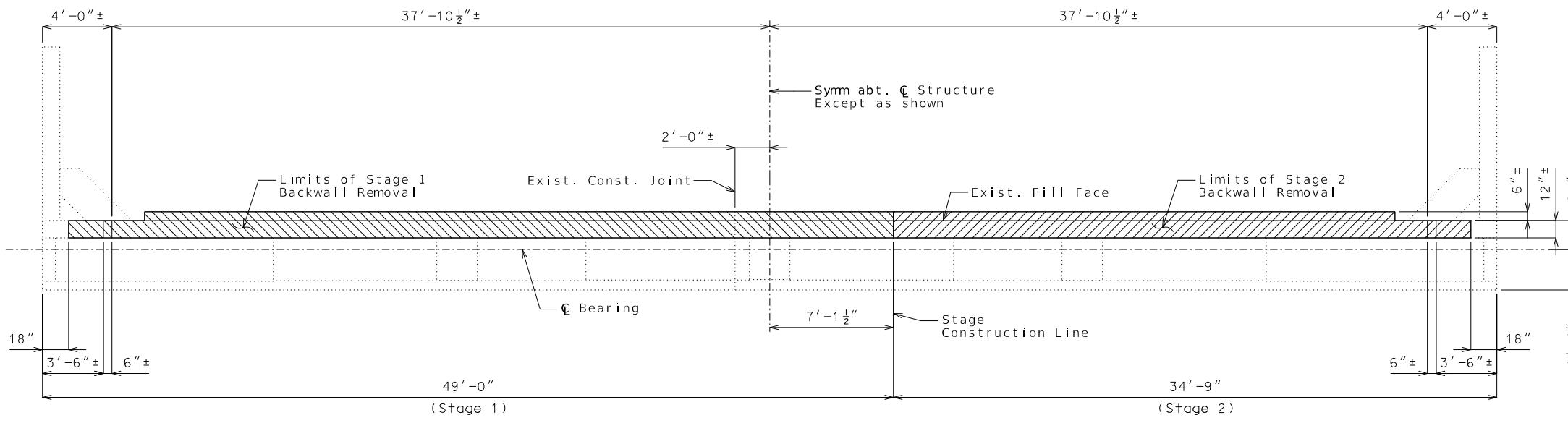
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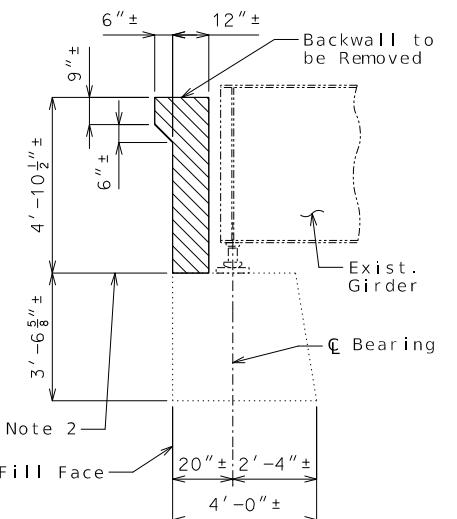
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ELEVATION OF DEMOLITION
Existing Girders and Slab not shown for clarity.



PLAN OF DEMOLITION



SECTION AT C BENT

General Notes:

1. Cut reinforcing flush with Saw cut line.
2. Cut reinforcing flush with Top of Cap Beam.
3. The cost to remove the barrier curb and railing will be considered completely covered by the contract unit price for Removal of Existing Bridge Deck, unless noted otherwise.

END BENT NO. 1 DEMOLITION

Detailed Sep. 2024
Checked Sep. 2024

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

Sheet No. 7 of 16

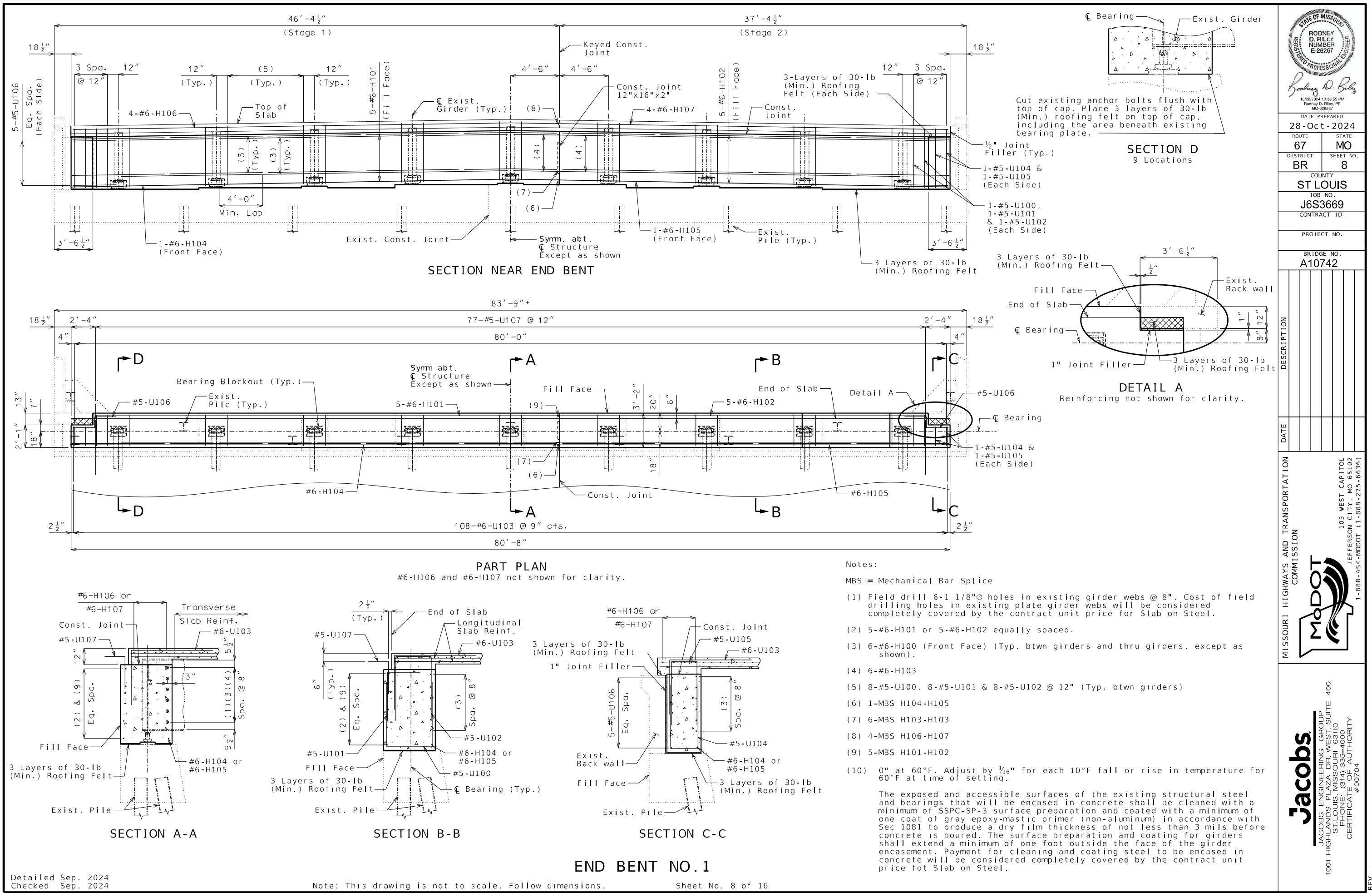
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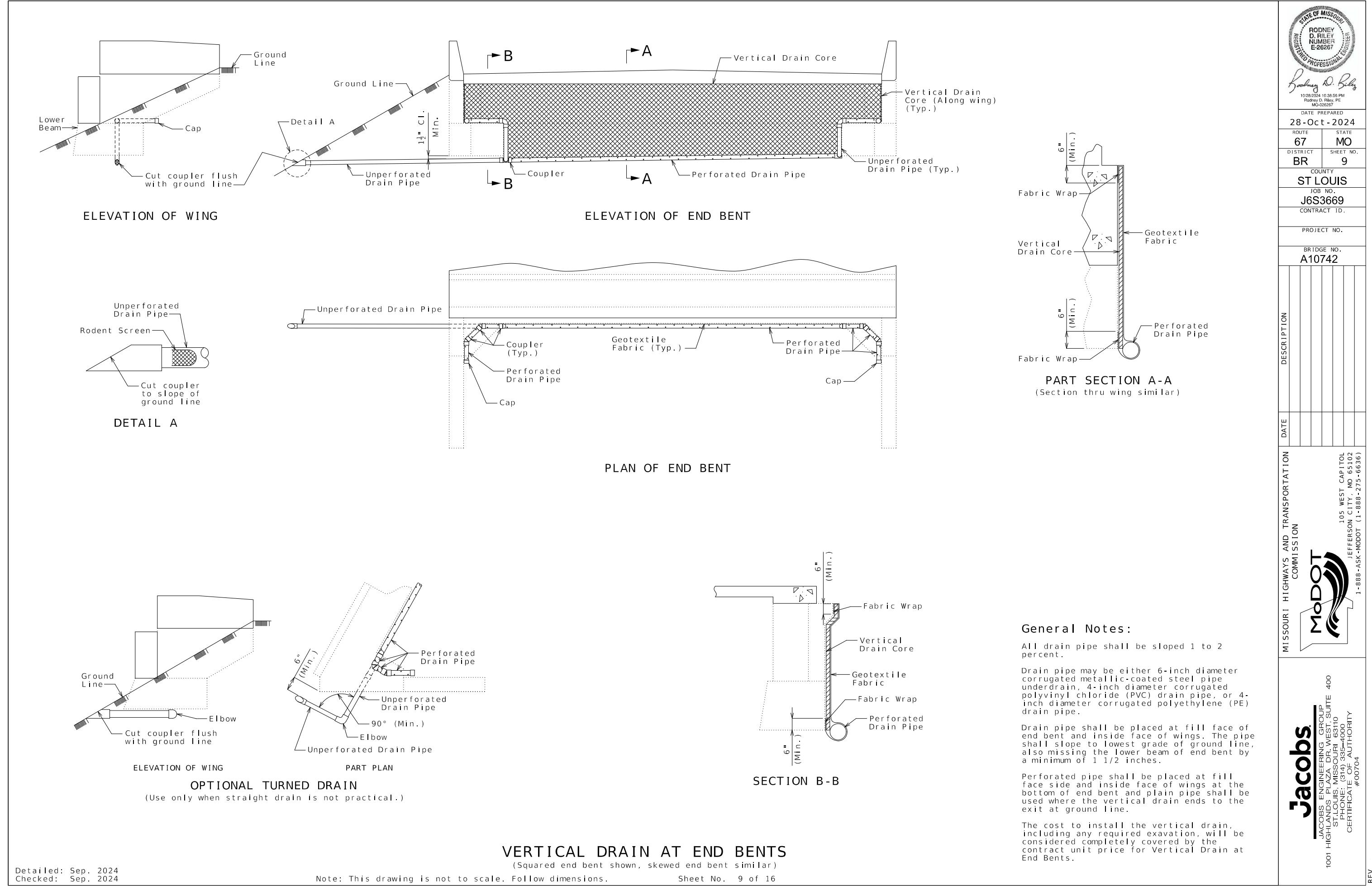
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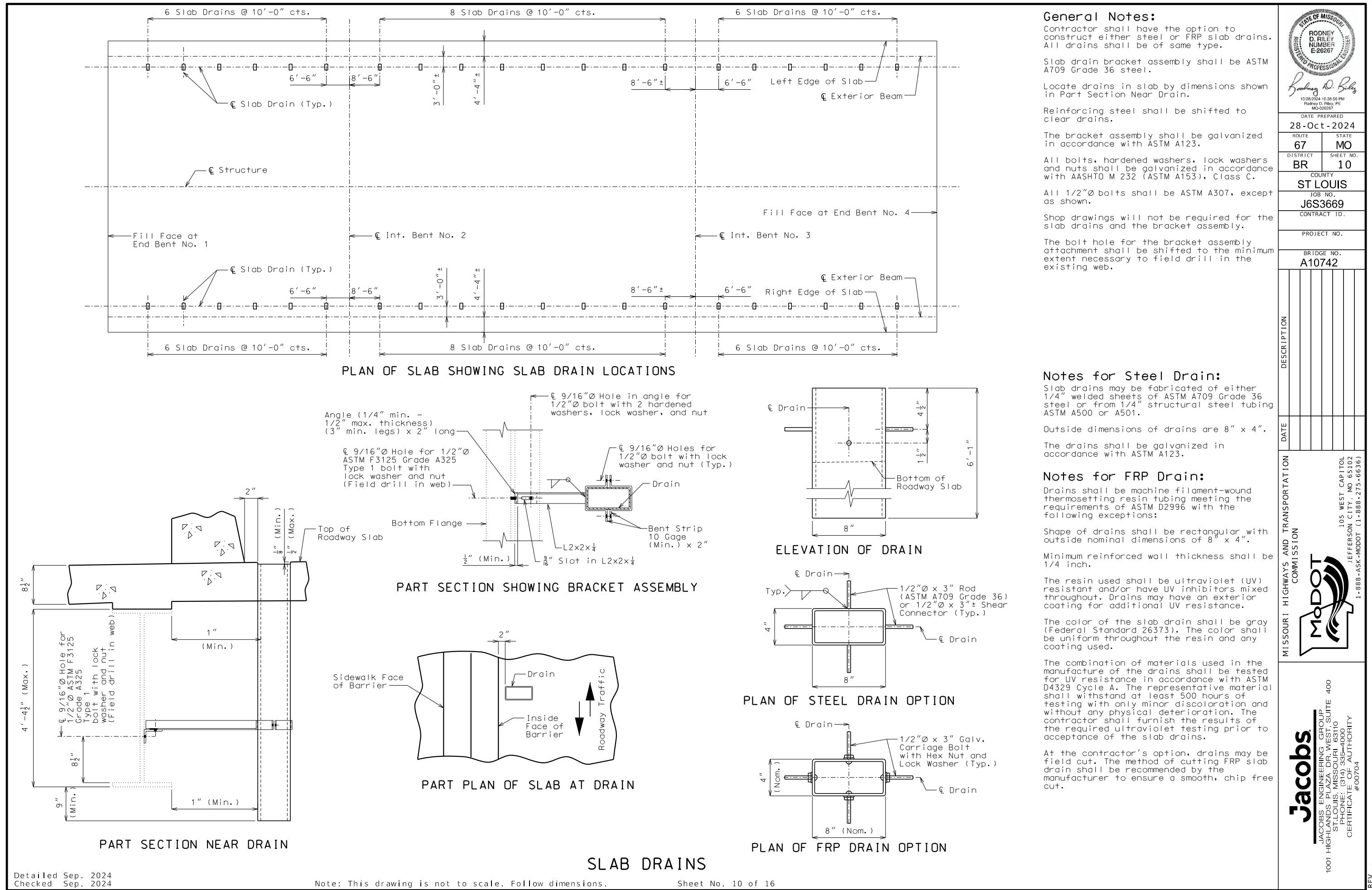
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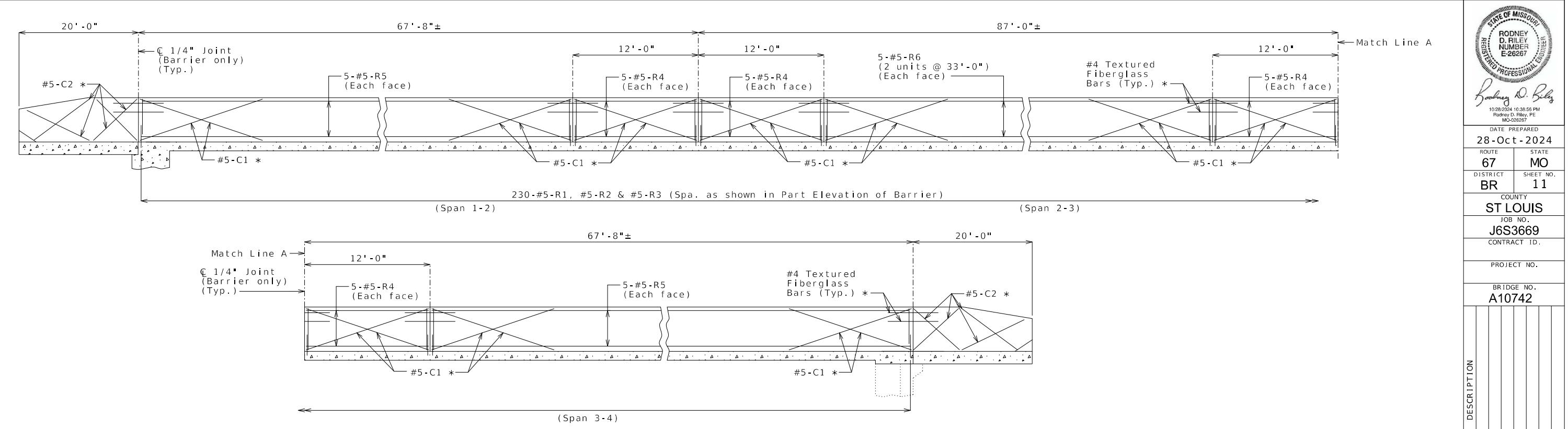
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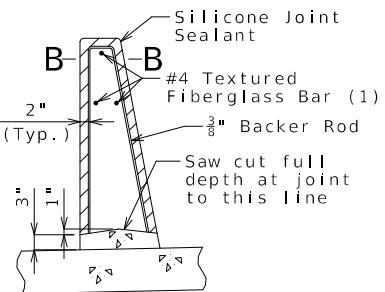




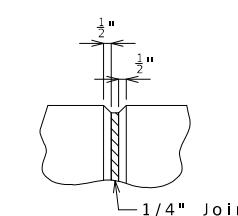


ELEVATION OF BARRIER

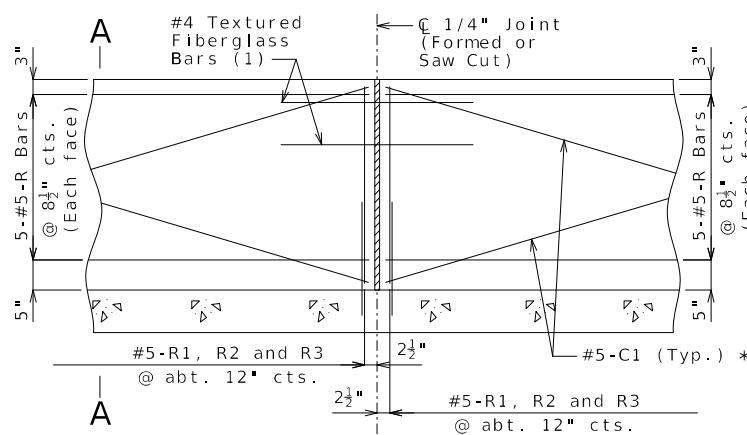
(Left barrier shown, right barrier similar)
Longitudinal dimensions are horizontal.



SECTION THRU
SAW CUT JOINT



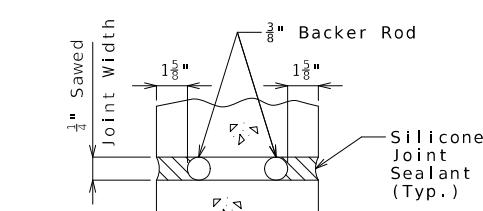
PART ELEVATION
AT FORMED JOINT



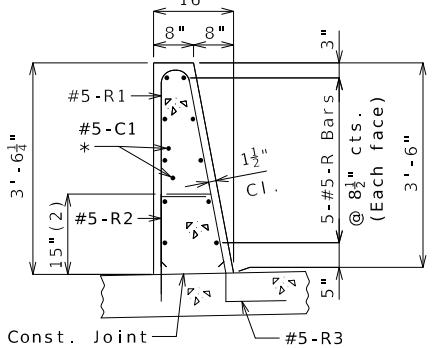
PART ELEVATION OF BARRIER

(1) Four feet long, centered on joint, slip-formed option only

Detailed: Sept. 2024
Checked: Sept. 2024



SECTION B-B

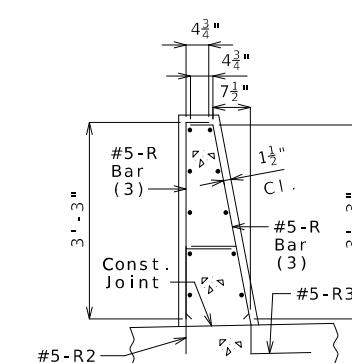


SECTION A-A

Use a minimum lap of 3'-1" for #5 horizontal barrier bars.

The cross-sectional area above the slab is 3.51 square feet.

(2) To top of bar

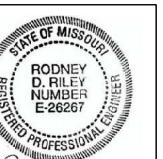


R-BAR PERMISSIBLE ALTERNATE SHAPE

(3) The R1 bar may be separated into two bars as shown, at the contractor's option, only when slip forming is not used. (All dimensions are out to out.)

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NUMBER E-26267
REGISTERED PROFESSIONAL ENGINEER
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DATE PREPARED
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ROUTE 67 STATE MO

DISTRICT BR SHEET NO. 11

COUNTY ST LOUIS

JOB NO. J6S3669

CONTRACT ID.

PROJECT NO.

BRIDGE NO. A10742

DESCRIPTION DATE

General Notes:

* Slip-formed option only.

Conventional forming or slip forming may be used. Saw cut joints may be used with conventional forming.

Top of barrier shall be built parallel to grade and barrier joints (except at end bents) normal to grade.

All exposed edges of barrier shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise noted.

Payment for all concrete and reinforcement, complete in place, will be considered completely covered by the contract unit price for Type D Barrier per linear foot.

Concrete in barrier shall be Class B-1.

Measurement of barrier is to the nearest linear foot for each structure, measured along the outside top of slab, from end of bridge approach slab to end of bridge approach slab.

Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Type D Barrier.

Joint sealant and backer rods shall be in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.

For slip-formed option, both sides of barrier shall have a vertically broomed finish and the top shall have a transversely broomed finish.

TYPE D BARRIER

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

Sheet No. 11 of 16

STATE OF MISSOURI
RODNEY D. RILEY
REGISTERED PROFESSIONAL ENGINEER
Rodney D. Riley, PE
E-26267
10/28/2024 10:38:57 PM
Rodney D. Riley, PE
MO-026267

DATE PREPARED
28-Oct-2024

ROUTE 67	STATE MO
DISTRICT BR	SHEET NO. 15
COUNTY ST LOUIS	JOB NO. J6S3669
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A10742	

DESCRIPTION

Finished Bend Diameters D and Hook Dimensions

Size	Case	D	A or G		J
			90°	180°	
#4	1	3"	8"	6"	4"
#5	1	3 3/4"	10"	7"	5"
#6	1	4 1/2"	12"	8 1/4"	6"
#7	2	5 1/4"	14"	9 3/4"	7"
	3	7"	15"	11 1/2"	8 3/4"
#8	2	6"	16"	11"	8"
	3	8"	17"	13 1/4"	10"
#9	1	9 1/2"	19 1/2"	15 1/2"	11 1/4"
#10	1	10 3/4"	22"	17 1/2"	13 1/4"
#11	1	12"	24 1/2"	19 1/2"	14 5/8"
#14	1	18 1/4"	31 1/4"	27 1/2"	21 5/8"
#18	1	24"	41 1/2"	36 1/4"	28 1/2"

Stirrup Pin Bend Shapes (S)

Size	Case	D	A or G		H	J
			90°	135°		
#4	2	2"	4 1/2"	4 1/2"	5"	2 7/8"
	3	3"	5"	5 1/4"	6"	3"
#5	2	2 1/2"	5 3/4"	5 3/4"	5 3/4"	3 5/8"
	3	3 3/4"	6 1/2"	6 1/2"	7"	3 7/8"
#6	1	4 1/2"	12"	7 3/4"	8 1/4"	4 5/8"

Applicable for all grades of steel.
Case 1 applies to all reinforcement. Case 2 applies to all reinforcement except for galvanized bars. Case 3 applies to galvanized bars only.

BENDING DIAGRAMS

All dimensions are out to out.
Shapes ending with an S shall be bent in accordance with stirrup pin bend shapes.
Unless otherwise noted, finished bending diameter D is the same for all bends of a shape.

(1) Shall be a deformed or plain spiral bar or wire.
Four angle or channel spacers are required for each column spiral. Spacers are to be placed on inside of spirals. Length and weight of column spirals do not include splices or spacers.

Reinforcing Steel Totals (Pounds)

Size	Substructure		Superstructure			Entire Bridge	
	Plain	Epoxy	Slab	Epoxy	Barrier	Plain	Epoxy
						By Size	By Type
W5	0	0	0	0	0	0	0
4	0	0	0	3,196	1,090	0	0
5	0	0	0	74,101	13,579	635	88,315
6	0	0	0	70,561	0	0	70,561
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0

All superstructure reinforcing steel shall be epoxy coated unless otherwise specified.

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JACOBS ENGINEERING GROUP
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PHONE: (314) 335-4000
CERTIFICATE OF AUTHORITY #00704

BENDING DIAGRAMS AND REINFORCING STEEL TOTALS

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

Sheet No. 15 of 16

Detailed: Sep. 2024
Checked: Sep. 2024

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REV.

Bill of Reinforcing Steel														
No. Req.	Size/ Mark	Location	Dimensions							Nom. Length	Actual Length	Weight		
			Codes	B	C	D	E	F	H	K				
C	SH	V	ft	in.	ft	in.	ft	in.	ft	in.	ft	in.	lb	
		SUPERSTRUCTURE												
		END BENT 1												
96	6H100	DIAPH	E	20	8- 8					8- 8	8- 8	1,250		
5	5H101	DIAPH	E	20	42- 8					42- 8	42- 8	223		
5	5H102	DIAPH	E	20	33- 8					33- 8	33- 8	176		
12	6H103	DIAPH	E	20	4- 4					4- 4	4- 4	78		
1	6H104	DIAPH	E	20	44- 8					44- 8	44- 8	67		
1	6H105	DIAPH	E	20	35- 8					35- 8	35- 8	54		
68	5U100	DIAPH	E	10S		4- 8	2- 10			12- 2	11- 11	845		
68	5U101	DIAPH	E	19	3- 6	2- 1				5- 7	5- 5	384		
68	5U102	DIAPH	E	10S		4- 6	2- 4			11- 4	11- 1	786		
108	6U103	DIAPH	E	19	3- 2	4- 8				7- 10	7- 8	1,244		
4	5U104	DIAPH	E	10S		4- 8	1- 9			11- 1	10- 10	45		
4	5U105	DIAPH	E	10S		4- 6	1- 9			10- 9	10- 6	44		
10	5U106	DIAPH	E	28		2- 2	1- 1	2- 2		5- 5	5- 2	54		
77	5U107	DIAPH	E	19	2- 0	1- 3				3- 3	3- 1	248		
		SLAB												
4	6H106	SLAB	E	20	44- 6					44- 6	44- 6	267		
4	6H107	SLAB	E	20	35- 6					35- 6	35- 6	213		
5	6H400	SLAB	E	20	44- 6					44- 6	44- 6	334		
5	6H401	SLAB	E	20	35- 6					35- 6	35- 6	267		
652	5S1	SLAB	E	20	58- 0					58- 0	58- 0	39,442		
380	5S2	SLAB	E	20	44- 8					44- 8	44- 8	17,703		
445	6S3	SLAB	E	20	44- 8					44- 8	44- 8	29,855		
445	6S4	SLAB	E	20	35- 6					35- 6	35- 6	23,728		
380	5S5	SLAB	E	20	35- 6					35- 6	35- 6	14,070		
256	6S6	SLAB	E	20	31- 0					31- 0	31- 0	11,920		
162	6S7	SLAB	E	20	2- 6					2- 6	2- 6	608		
1980	4S8	HAUNCH	E	10S	0- 6	0- 6.75	0- 7	0- 6		2- 9	2- 4	3086		
		TYPE D BARRIER												
20	5K1	BARRIER	E	27S	1- 10.5	0- 9.25	0- 5.375	1- 4.75	1- 0	0- 5.25	0- 1	5- 6	5- 2	108
	K2	NOT USED												
100	5K3	BARRIER	E	27S	1- 10.5	0- 9.25	1- 2.5	0- 7.75	1- 0	1- 2.25	0- 2.75	5- 6	5- 2	539
20	5K4	BARRIER	E	19S	4	2- 4.25	0- 10					3- 2	3- 1	66
	INCR.=				2- 6.25	0- 10					3- 4	3- 3		
	.5 in													
20	5K5	BARRIER	E	38S	4	1- 6.5		0- 9.5	0- 8.25	1- 6	0- 4	3- 0	2- 11	63
	INCR.=				1- 8.375		0- 9.5	0- 8.25	1- 8	0- 4	3- 2	3- 1		
	.5 in													
12	5K6	BARRIER	E	19S	2- 6.75	0- 10					3- 5	3- 4	42	
12	5K7	BARRIER	E	21S		2- 6.625	0- 10			2- 6	0- 6.25	3- 5	3- 3	41
36	5K8	BARRIER	E	19S	4	2- 8.5	0- 10					3- 7	3- 5	138
	INCR.=				3- 2.5	0- 10					4- 1	3- 11		
	.75 in													
36	5K9	BARRIER	E	21S	4	2- 8.5	0- 10			2- 7.75	0- 6.75	3- 7	3- 5	136
	INCR.=				3- 2.5	0- 10				3- 1.75	0- 7.75	4- 1	3- 10	
	.75 in													
52	5K10	BARRIER	E	19S	3- 3	0- 10					4- 1	4- 0	217	
52	5K11	BARRIER	E	21S		3- 3	0- 10			3- 2.25	0- 7.75	4- 1	3- 11	212
48	5K12	BARRIER	E	20		22- 4					22- 4	22- 4		985
24	5K13	BARRIER	E	20	8	15- 7					15- 7	15- 7		398
	INCR.=				21- 7					21- 7	21- 7			
	36. in													
460	5R1	BARRIER	E	26	3- 3	0- 5.5	0- 2.25	3- 1.375	0- 5.5	3- 0.75	0- 6.75	6- 10	6- 9	3,239
460	5R2	BARRIER	E	19S	1- 8.5	0- 9.5					2- 6	2- 5		1,159
460	5R3	BARRIER	E	27S		0- 9.5	1- 3.25	0- 5	1- 0	1- 3	0- 3	3- 6	3- 4	1,599
80	5R4	BARRIER	E	20	11- 7						11- 7	11- 7		967
40	5R5	BARRIER	E	20	55- 4						55- 4	55- 4		2,309
40	5R6	BARRIER	E	20	33- 0						33- 0	33- 0		1,377

Nominal lengths are based on out to out dimensions shown in bending diagrams and are listed to the nearest inch for fabricator's use. Actual lengths are measured along centerline bar to the nearest inch. Weights are based on actual lengths.

For bending diagrams and steel reinforcing totals, see Sheet No. 15.

Detailed: Sep. 2024
Checked: Sep. 2024

All bars shall be Grade 60.

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

Sheet No. 16 of 16

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Codes: C = Required coatings, where E = Epoxy Coated and G = Galvanized.

SH = Required shape, see bending diagrams.

V = Sets of varied bars and number of bars of each length. Bar dimensions vary in equal increments between dimensions shown on this line and the following line and the actual length dimension shown on this line and the following line vary by the specified increment.

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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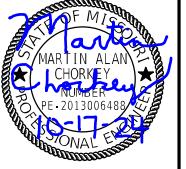
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JEFFERSON CITY, MO 65102
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STATE OF MISSOURI
RODNEY D. RILEY NUMBER E-26267
REGISTERED PROFESSIONAL ENGINEER
10/28/2024 10:38:57 PM
Rodney D. Riley, PE
MO-026267

DATE PREPARED
28-Oct-2024

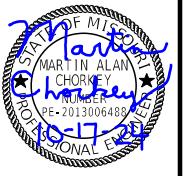
U.I.P. AND REHABILITATE EXISTING (42'-48'-48'-42') PRESTRESSED CONCRETE DOUBLE-TEE GIRDER SPANS (SKEW: 15° R.A.)



DATE

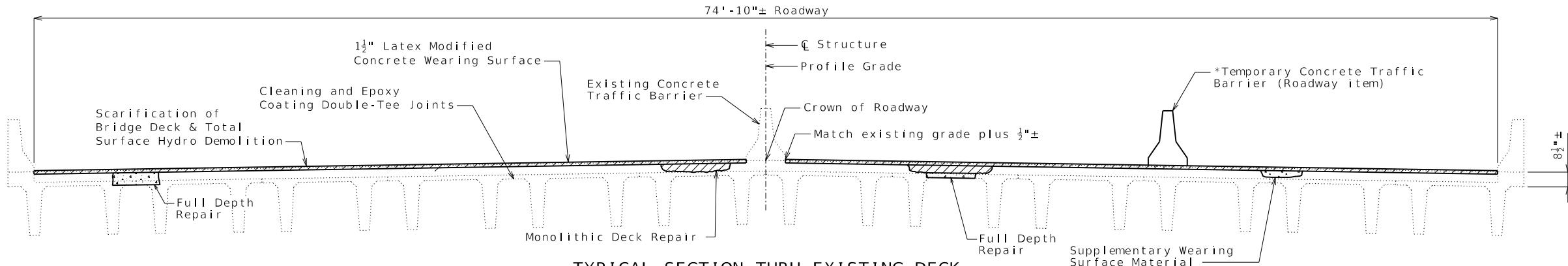
DATE PREPARED
10/9/2024

ROUTE	STATE
67	MO
DISTRICT	SHEET NO.
BR	1
COUNTY	
ST. LOUIS	
JOB NO.	
J6S3669	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
A45141	

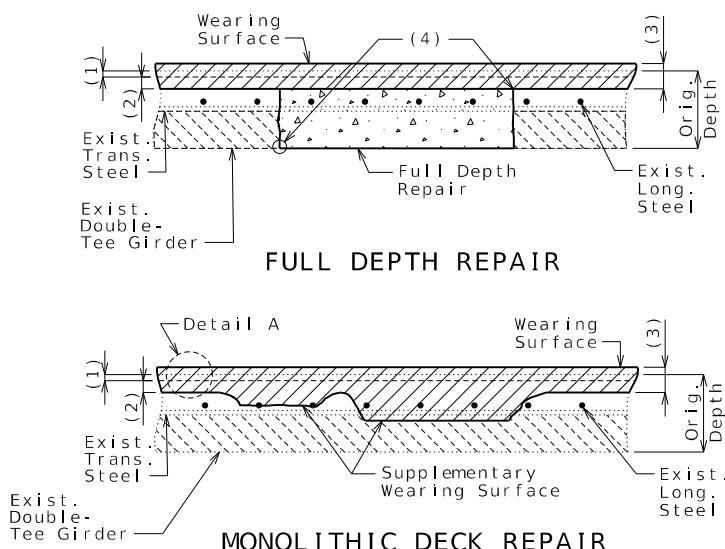


STATE	MISSOURI
NAME	MARTIN ALAN CHORKEY
DATE	10-17-24
DATE PREPARED	10/17/2024
ROUTE	67
STATE	MO
DISTRICT	BR
SHEET NO.	2
COUNTY	ST. LOUIS
JOB NO.	J6S3669
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	A45141

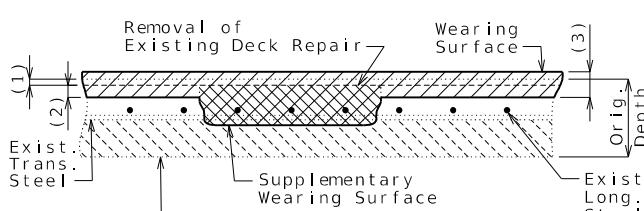
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)
HORNER SHIFFRIN	401 S. DIVISION, STE 200, MO 65102 DESIGN PROFESSIONAL ENGINEERING GENERAL CONTRACTORS LTD. ENGINEERS AND ARCHITECTS



TYPICAL SECTION THRU EXISTING DECK



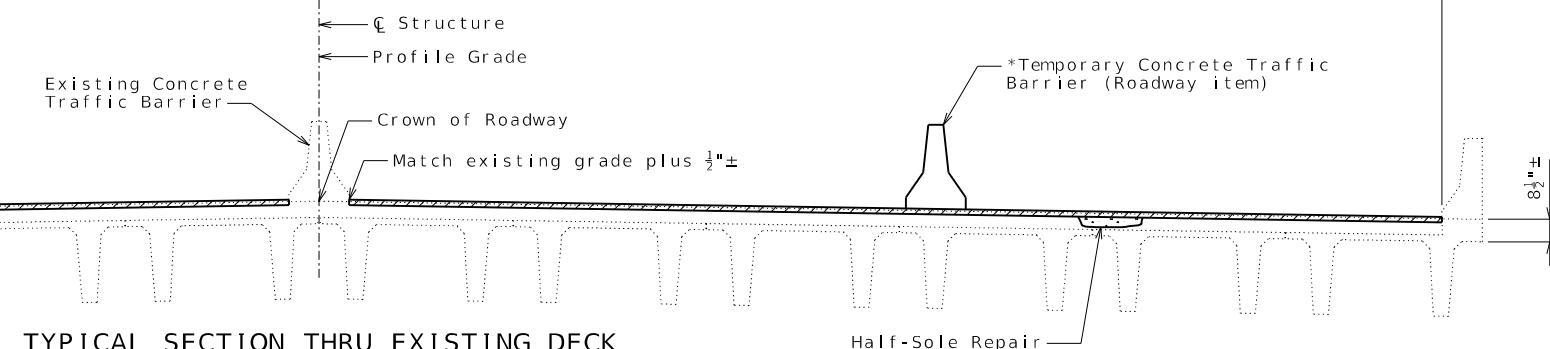
FULL DEPTH REPAIR



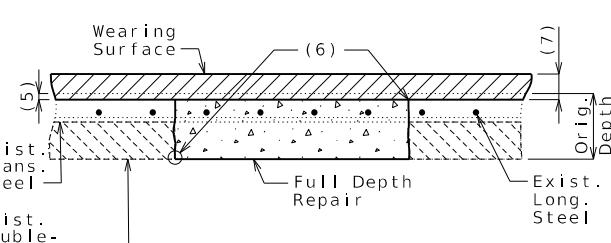
REMOVAL OF EXISTING DECK
REPAIR BEFORE HYDRO DEMOLITION

LATEX MODIFIED CONCRETE WEARING SURFACE ALTERNATE DETAILS

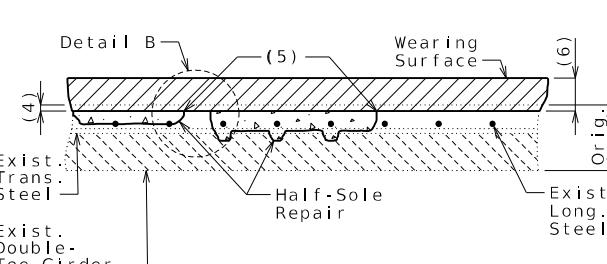
74'-10"± Roadway



TYPICAL SECTION THRU EXISTING DECK



FULL DEPTH REPAIR



HALF-SOLE REPAIR

Clearance around top bar and around bottom bar at the intersection of top bar shall be required when more than half the diameter of the top bar is exposed.

DETAIL B

- (5) 1/2" scarification of existing deck
- (6) 1" vertical side shall be established outside the deteriorated area. See Sec 704.
- (7) 1" minimum Polymer Concrete wearing surface

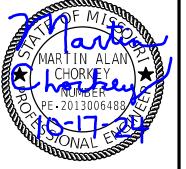
* Temporary Concrete Traffic Barrier shall be attached to the deck using the Tie-Down Straps shown on Std. Plan 617.20F, Sheet 5 of 8. Embedment of the strap anchor shall not penetrate into the girder flange. Anchor bolts that bolt thru the deck shall not be used.

Notes:

Optional Polymer Concrete may be substituted for Class B-2 concrete at locations of half-sole repairs. See Job Special Provision. MoDOT Construction personnel will indicate the type of material used for half-sole and full-depth repair:

Class B-2 Concrete:

Optional Polymer Concrete:



Barrier Repair (Formed)
(See Special Provisions)

**Barrier Repair (Formed
(See Special Provision)**

PART ELEVATION OF EXISTING
TYPE A MEDIAN BARRIER CURB

PART ELEVATION OF EXISTING
TYPE B BARRIER CURB

PART ELEVATION OF END BENTS

Epoxy Pressure Injecting
Vertical Cracks on Median Barrie
(See Special Provisions)

Epoxy Pressure Injecting
vertical cracks in End Bents
(See Special Provisions)

Cleaning and Epoxy Coating of deter areas (See Sec 7)

**TYPICAL SECTION THRU EXISTING DOUBLE-TEE
BEAMS SHOWING PROTECTIVE COATING**

The diagram illustrates a particle collision setup. A horizontal dashed line represents the collision plane. Two vertical lines on the left and right represent particle detectors. A central rectangular box represents the interaction region. A curved arrow points from the text 'Cleaning and Epoxy Coating collision' to the central box.

PART ELEVATION OF EXTERIOR GIRDER
ON SOUTH SIDE OF SPAN (3-4)

Clean and seal all columns with Protective Coating-Concrete Bents and Piers (Epoxy) (See Sec 711)

TYPICAL SECTION THRU INTERMEDIATE BENTS SHOWING PROTECTIVE COATING

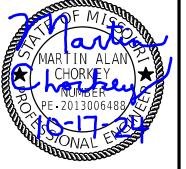
REHAB DETAILS

Detailed: Jun. 2024
Checked: Jun. 2024

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

Sheet No. 3 of 6

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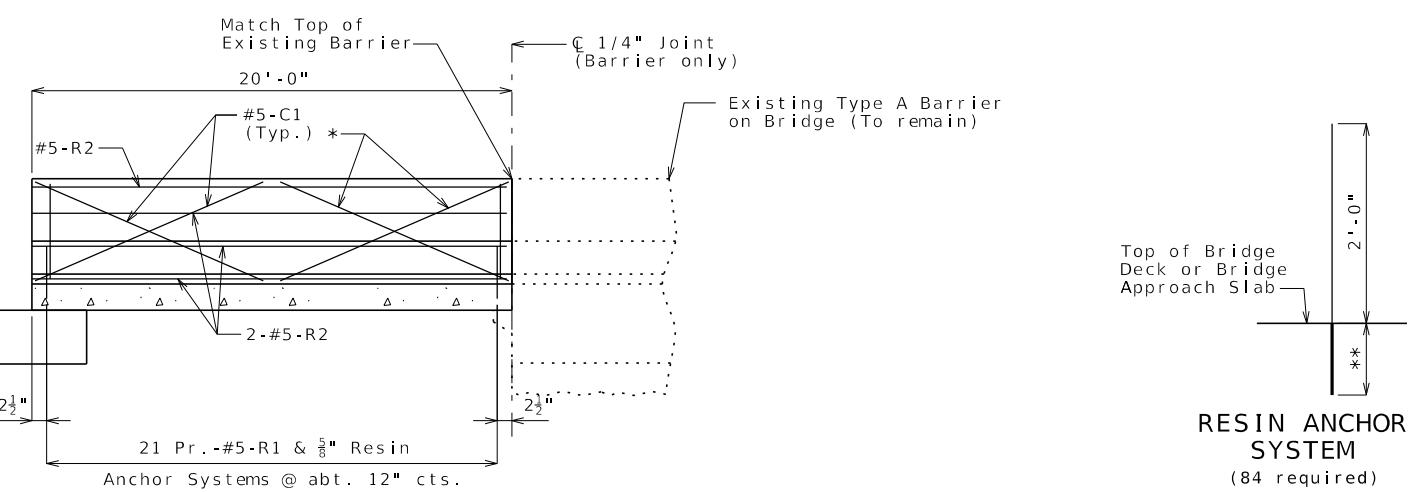
DATE
DATE PREPARED
10/9/2024
ROUTE STATE
67 MO
DISTRICT SHEET NO.
BR 4
COUNTY
ST. LOUIS
JOB NO.
J6S3669
CONTRACT ID.
PROJECT NO.
BRIDGE NO.
A45141

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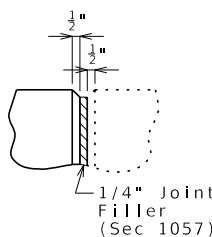
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US 67 S OVER LYNN HAVEN AND TAYLOR
TYPE A BARRIER ON APPROACH SLAB

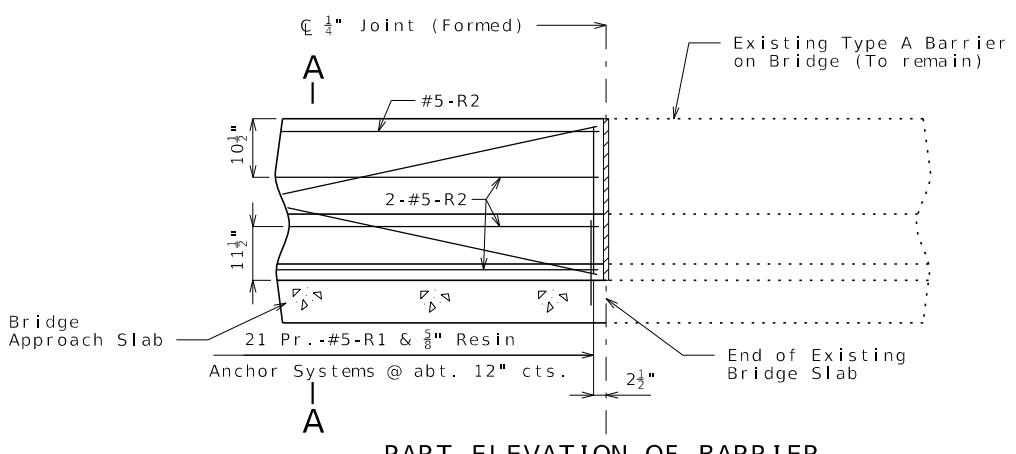


ELEVATION OF BARRIER AT BRIDGE APPROACH SLAB

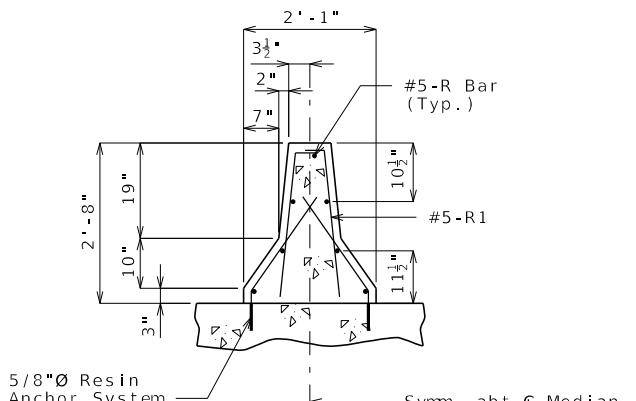
Longitudinal dimensions are horizontal.



PART ELEVATION AT FORMED JOINT



PART ELEVATION OF BARRIER



SECTION A-A

(All dimensions should match existing barrier)

TYPE A BARRIER

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

Sheet No. 4 of 6

The minimum embedment depth in concrete with $f'c = 4,000$ psi for the resin anchor system shall be that required to meet the minimum ultimate pullout strength in accordance with Sec 1039 but shall not be less than 5 inches.

An epoxy coated #5 Grade 60 reinforcing bar shall be substituted for the 5/8-inch diameter threaded rod.

Measurement of barrier is to the nearest linear foot for each structure, measured along the outside top of slab from end of slab to end of approach slab at each end of the bridge.

Concrete traffic barrier delineators shall be placed on top of the barrier as shown on Missouri Standard Plan 617.10 and in accordance with Sec 617. Delineators on bridges with two-lane, two-way traffic shall have retroreflective sheeting on both sides. Concrete traffic barrier delineators will be considered completely covered by the contract unit price for Type A Barrier.

Joint sealant and backer rods shall be in accordance with Sec 717 for silicone joint sealant for saw cut and formed joints.

For slip-formed option, both sides of barrier shall have a vertically broomed finish and the top shall have a transversely broomed finish.

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

Cost of furnishing and installing the resin anchor system, complete in place, will be considered completely covered by the contract unit price for Type A Barrier.

