

EQUIVALENT PAVEMENT DESIGNS		
CATEGORY	BASE TYPE***	HMA DESIGN
US 67 MAINLINE ALTERNATE A	18" ROCK BASE **	11.0" HMA 1-3/4" SP125C W/PG 70-22 OVER 3" SP250C W/PG 70-22 OVER 6-1/4" SP250C W/PG 64-22
WEST OUTER ROAD ALTERNATE E	12" TYPE 5 AGGREGATE BASE	7.0" HMA 1-3/4" BP W/PG 64-22 OVER 5-1/4" BB W/PG 64-22

- * MATERIAL FROM THE CONTRACTOR'S BORROW SOURCE SHALL EXHIBIT SUFFICIENT COHESIVE TO ALLOW CONSTRUCTION OF NON-ERODIBLE SLOPES
- ** SECTION 205 - MODIFIED SUBGRADE SHALL BE USED IN ADDITION TO THE BASE REQUIREMENTS. ONLY GEGRID AND GEOTEXTILE WILL BE ALLOWED.
- *** DESIGNS FOR ALTERNATE TECHNICAL CONCEPT - GRADING, BASE AND PAVING, SEE JSPTS PAY LIMITS FOR ROCK BASE END AT OUTSIDE EDGE OF SHOULDER

ASPHALT APPLICATION RATES:
 ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP125C MIX) = 1.927 TON/C.Y.
 ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP250C MIX) = 1.946 TON/C.Y.
 ASPHALTIC CONCRETE MIXTURE PG 64-22 (SP250C MIX) = 1.946 TON/C.Y.
 BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) = 1.948 TON/C.Y.
 BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE) = 1.943 TON/C.Y.

TACK COAT
 NEW ASPHALT SURFACES 0.05 GAL/S.Y.
 EXISTING SURFACES 0.08 GAL/S.Y.
 COLD MILLED SURFACES 0.10 GAL/S.Y.

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ROUTE STATE
67 MO

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SE 2

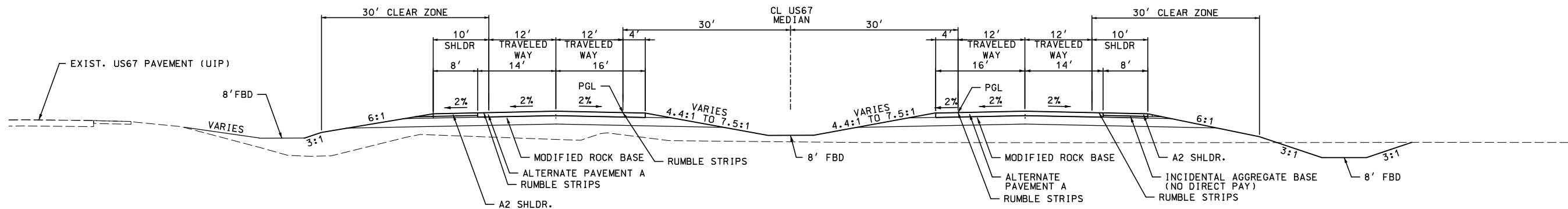
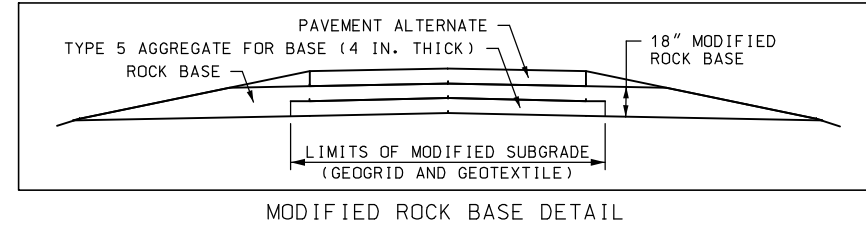
COUNTY
BUTLER

JOB NO.
J9P3751

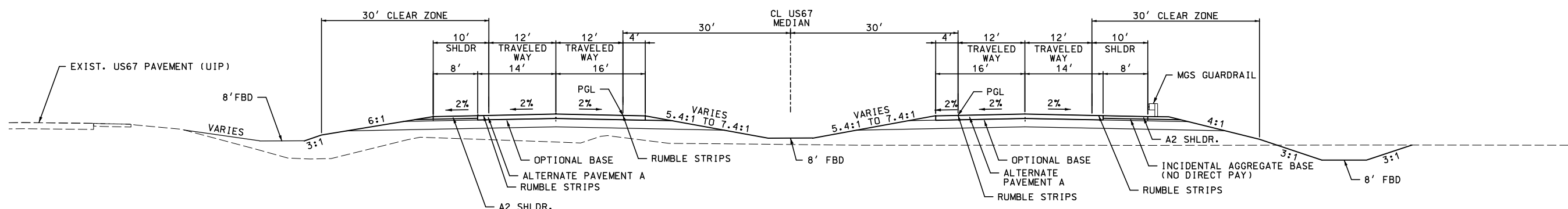
CONTRACT ID.

PROJECT NO.

BRIDGE NO.



① TYPICAL SECTION RTE. 67
 STA. 660+75.00 TO STA. 677+66.81
 STA. 681+57.33 TO STA. 701+71.97
 STA. 705+62.50 TO STA. 754+69.99
 STA. 766+58.71 TO STA. 768+17.57



② TYPICAL SECTION RTE. 67
 STA. 677+66.81 TO STA. 681+57.33
 STA. 701+71.97 TO STA. 705+62.50

2 REVISED

ASPHALT ALTERNATES
 TYPICAL SECTIONS
 SHEET 1 OF 10

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-278-6636)

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 ENGINEERING CORPORATION - 000631

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DATE PREPARED
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ROUTE 67 STATE MO
 DISTRICT SE SHEET NO. 2

COUNTY BUTLER
 JOB NO. J9P3751
 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102

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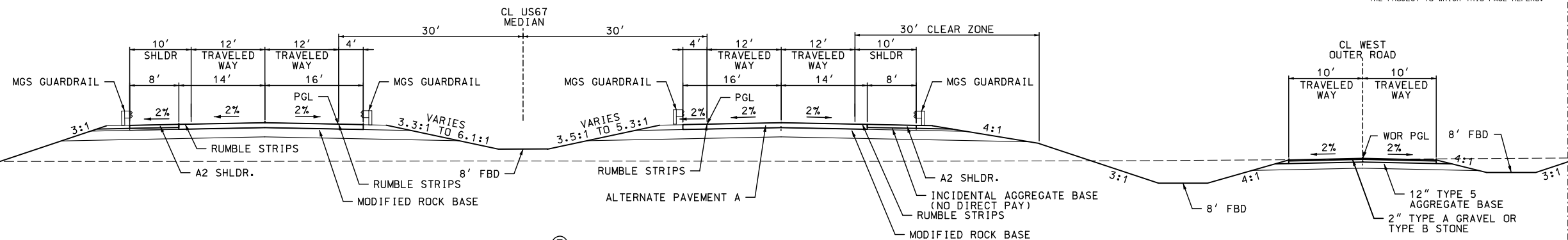
6631 WEST FINCHALEE TREE

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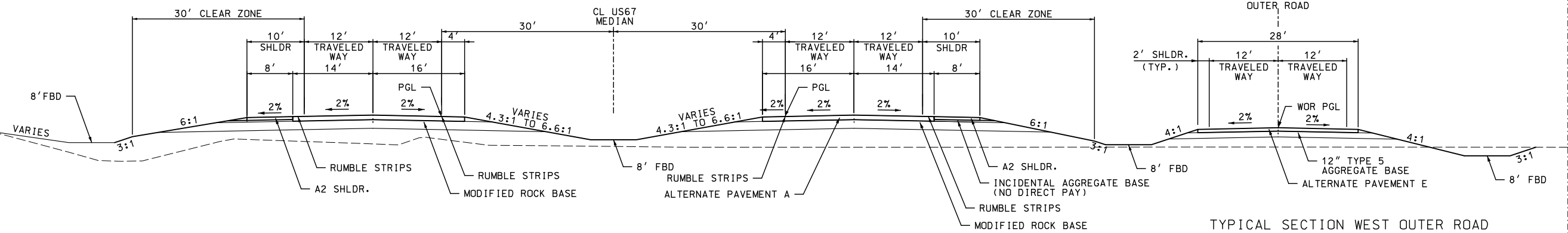
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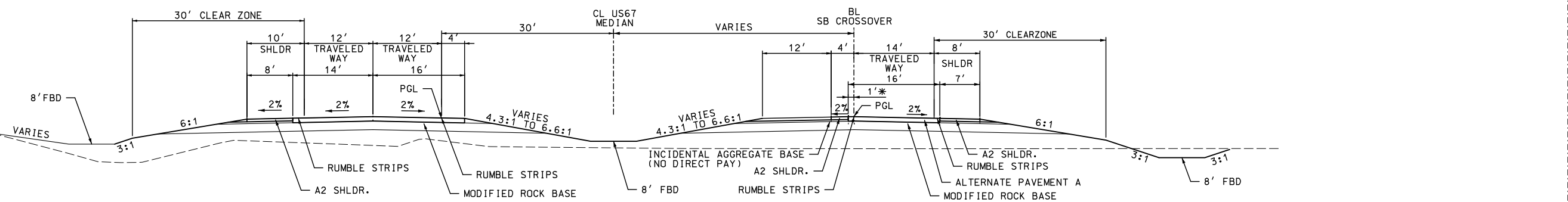
③ TYPICAL SECTION RTE. 67
 STA. 754+69.99 TO STA. 757+50.25

TYPICAL SECTION WEST OUTER ROAD
 STA. 7+50.00 TO STA. 9+35.00
 WEST OUTER ROAD PAVEMENT
 BEGINS AT US67 STA. 757+50.00



④ TYPICAL SECTION RTE. 67
 STA. 757+50.25 TO STA. 757+82.04
 STA. 759+99.91 TO STA. 766+58.71

TYPICAL SECTION WEST OUTER ROAD
 STA. 9+35.00 TO STA. 9+65.63
 STA. 10+93.49 TO STA. 16+58.71



⑤ TYPICAL SECTION RTE. 67
 STA. 768+17.57 TO STA. 770+67.71

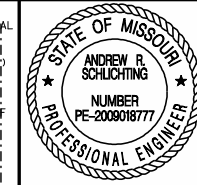
TYPICAL SECTION SB CROSSOVER
 STA. 5+17.57 TO 7+67.83

* 0' STA. 766+48.97 TO 769+42.01

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ASPHALT ALTERNATES
 TYPICAL SECTIONS
 SHEET 2 OF 10

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 DISTRICT SE SHEET NO. 2

COUNTY BUTLER
 JOB NO. J9P3751
 CONTRACT ID.

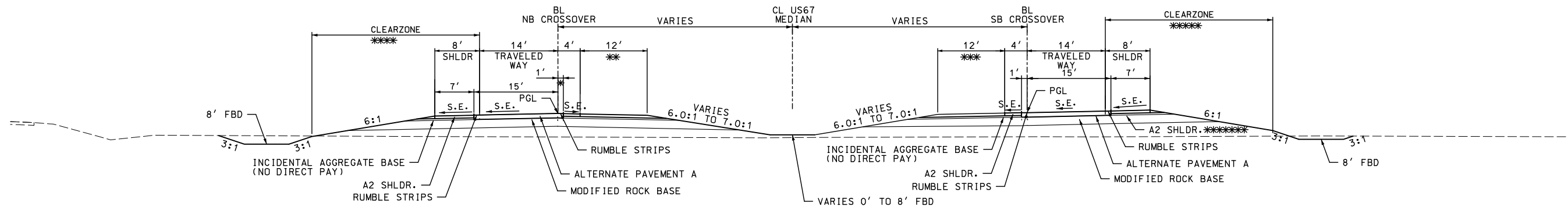
PROJECT NO.
 BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 MoDOT
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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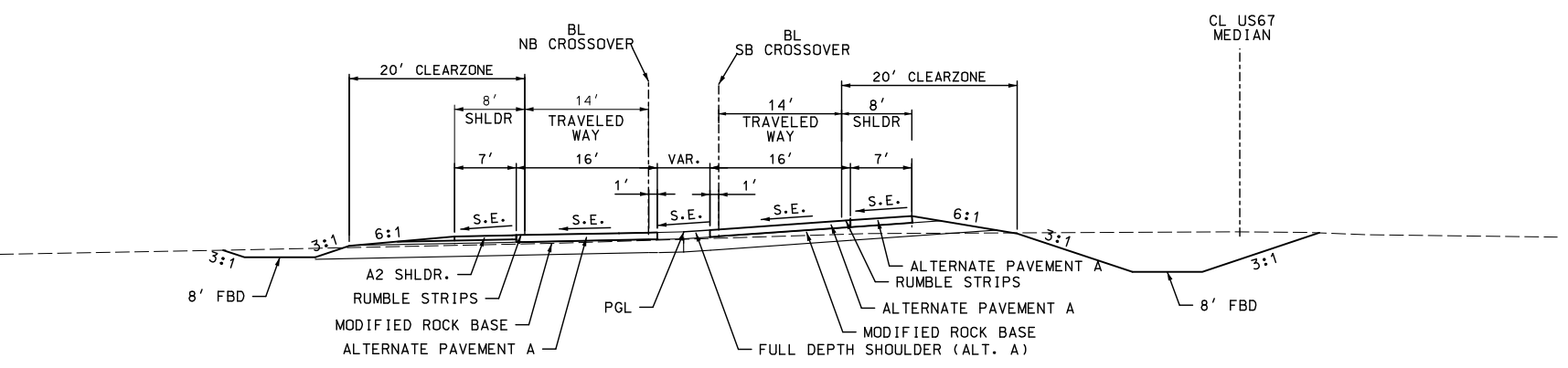
* 0' STA. 2+67.59 TO 3+92.08
 ** VARIES 12' TO 0' FROM STA. 2+67.59 TO 3+67.59
 *** VARIES 12' TO 0' FROM STA. 7+67.83 TO 8+67.83
 **** VARIES 30' TO 20' FROM STA. 2+67.59 TO 3+67.59
 ***** VARIES 30' TO 20' FROM STA. 7+67.83 TO 8+67.83
 ***** BEGIN FULL DEPTH SHOULDER (ALT. A) AT STA. 7+25.00
 ***** BEGIN FULL DEPTH SHOULDER (ALT. A) AT STA. 12+15.00



⑥ TYPICAL SECTION RTE. 67
 STA. 770+67.71 TO STA. 776+71.41

TYPICAL SECTION NB CROSSOVER
 STA. 2+67.59 TO STA. 8+71.85

TYPICAL SECTION SB CROSSOVER
 STA. 7+67.83 TO STA. 13+84.19



⑦ TYPICAL SECTION RTE. 67
 STA. 776+71.41 TO STA. 778+11.30

TYPICAL SECTION NB CROSSOVER
 STA. 8+71.85 TO STA. 10+15.87

TYPICAL SECTION SB CROSSOVER
 STA. 13+84.19 TO STA. 15+28.50

STATION	CROSS SLOPE		DESCRIPTION
	LEFT	RIGHT	
5+17.57	-2.00%	-2.00%	NORMAL CROWN
5+79.79	-2.00%	0.00%	SUPER RUNOFF IN
6+42.01	-2.00%	2.00%	REVERSE CROWN IN
7+97.78	-7.00%	7.00%	FULL SUPER IN
11+42.52	-7.00%	7.00%	FULL SUPER OUT
13+49.03	0.00%	0.00%	SUPER RUNOFF
15+55.54	7.00%	-7.00%	FULL SUPER IN
GORE EXCEPTION			
16+49.08	4.86%	-7.00%	MATCH NB SUPER TRANSITION
17+21.02	7.00%	-7.00%	NB FULL SUPER IN
19+12.68	7.00%	-7.00%	FULL SUPER OUT
20+46.20	2.00%	-2.00%	REVERSE CROWN OUT
20+99.53	0.00%	-2.00%	SUPER RUNOFF OUT
21+52.86	-2.00%	-2.00%	NORMAL CROWN

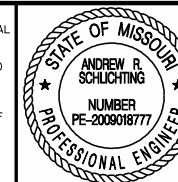
STATION	CROSS SLOPE		DESCRIPTION
	LEFT	RIGHT	
2+67.59	-2.00%	-2.00%	NORMAL CROWN
3+29.93	-2.00%	0.00%	SUPER RUNOFF IN
3+92.15	-2.00%	2.00%	REVERSE CROWN IN
5+47.92	-7.00%	7.00%	FULL SUPER IN
7+37.45	-7.00%	7.00%	FULL SUPER OUT
9+72.98	0.00%	0.00%	SUPER RUNOFF
11+36.50	4.86%	-4.86%	MATCH SB SUPER TRANSITION

2 REVISED

ASPHALT ALTERNATES
 TYPICAL SECTIONS
 SHEET 3 OF 10

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ROUTE
67

STATE
MO

DISTRICT
SE

SHEET NO.
2

COUNTY
BUTLER

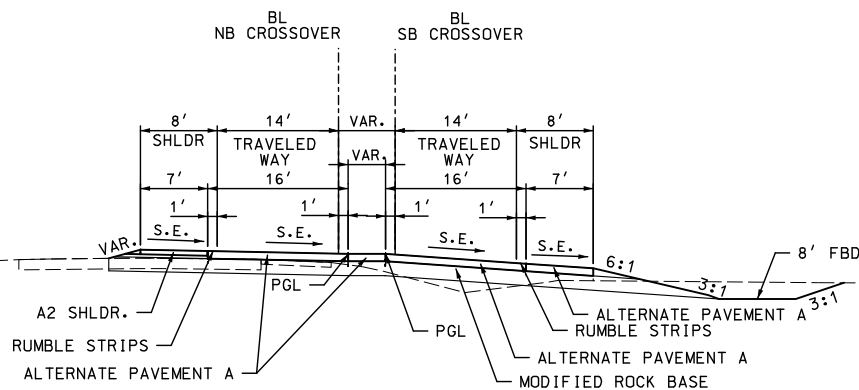
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J9P3751

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

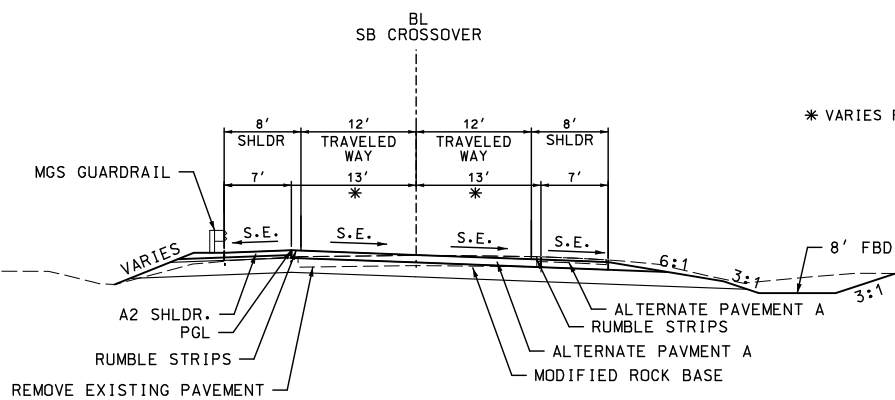
DATE	DESCRIPTION



⑧ TYPICAL SECTION RTE. 67
STA. 778+11.30 TO STA. 779+29.62

TYPICAL SECTION NB CROSSOVER
STA. 10+15.87 TO STA. 11+36.50

TYPICAL SECTION SB CROSSOVER
STA. 15+28.50 TO STA. 16+49.08



* VARIES FROM 15' TO 13' STA. 16+49.09 TO 17+69.09

TYPICAL SECTION SB CROSSOVER
STA. 16+49.08 TO STA. 19+12.00

⑨ TYPICAL SECTION RTE. 67
STA. 779+29.62 TO STA. 781+91.19

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ASPHALT ALTERNATES
TYPICAL SECTIONS
SHEET 4 OF 10



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ROUTE STATE
67 MO
DISTRICT SHEET NO.
SE 2

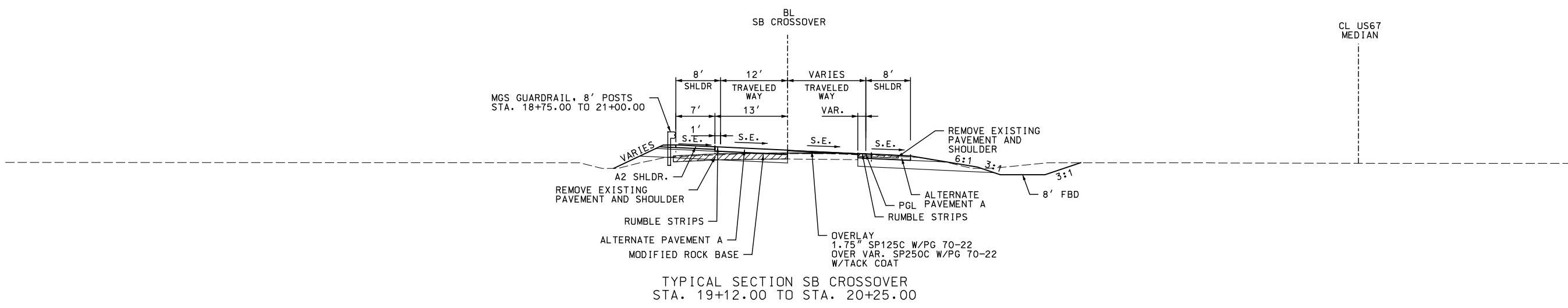
COUNTY
BUTLER
JOB NO.
J9P3751
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

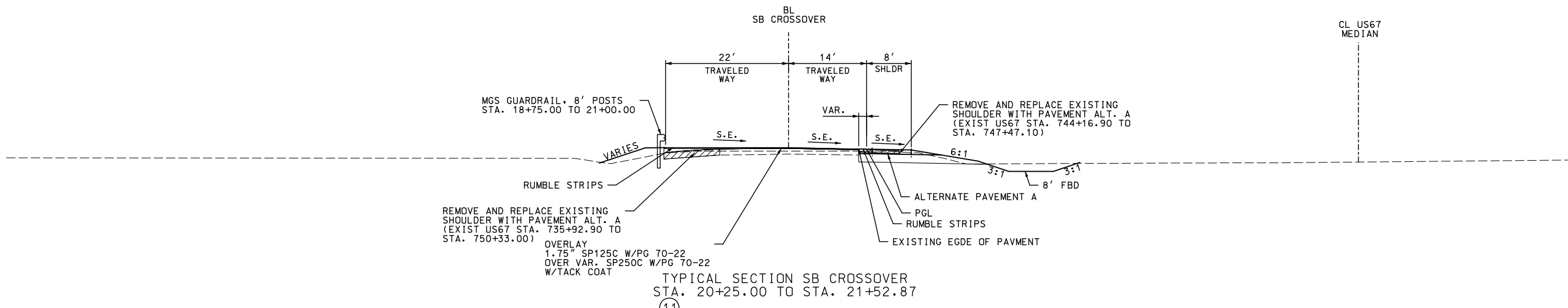
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TYPICAL SECTION SB CROSSOVER
 STA. 19+12.00 TO STA. 20+25.00

⑩ TYPICAL SECTION RTE. 67
 STA. 781+91.19 TO STA. 783+17.00



TYPICAL SECTION SB CROSSOVER
 STA. 20+25.00 TO STA. 21+52.87

⑪ TYPICAL SECTION RTE. 67
 STA. 783+17.00 TO STA. 784+31.16

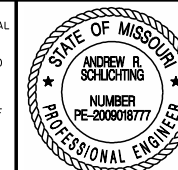
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ASPHALT ALTERNATES
 TYPICAL SECTIONS
 SHEET 5 OF 10

EQUIVALENT PAVEMENT DESIGNS		
CATEGORY	BASE TYPE**	PCCP DESIGN
US 67 MAINLINE ALTERNATE B	18" ROCK BASE ***	9.0" PCCP 15 FT. JOINTS AND 1-1/4" DOWELS
WEST OUTER ROAD ALTERNATE F	6" TYPE 5 AGGREGATE BASE	7.0" PCCP JOINT SPACING SHOULD MATCH LANE WIDTH; 1-1/4" DOWELS

- * MATERIAL FROM THE CONTRACTOR'S BORROW SOURCE SHALL EXHIBIT SUFFICIENT COHESIVE TO ALLOW CONSTRUCTION OF NON-ERODIBLE SLOPES
- ** SECTION 205 - MODIFIED SUBGRADE SHALL BE USED IN ADDITION TO THE BASE REQUIREMENTS. ONLY GEOGRID AND GEOTEXTILE WILL BE ALLOWED.
- *** DESIGNS FOR ALTERNATE TECHNICAL CONCEPT - GRADING, BASE AND PAVING. SEE JSPS PAY LIMITS FOR ROCK BASE END AT OUTSIDE EDGE OF SHOULDER

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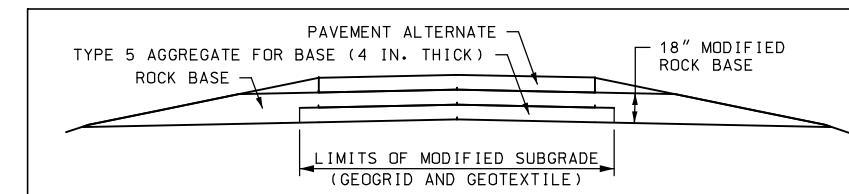
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JOB NO. J9P3751

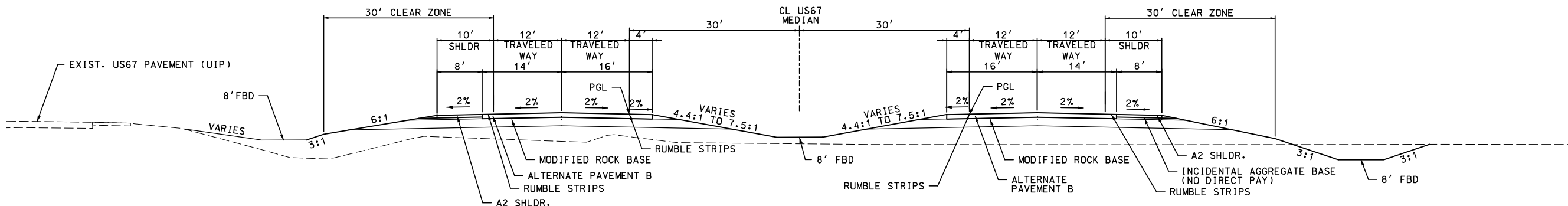
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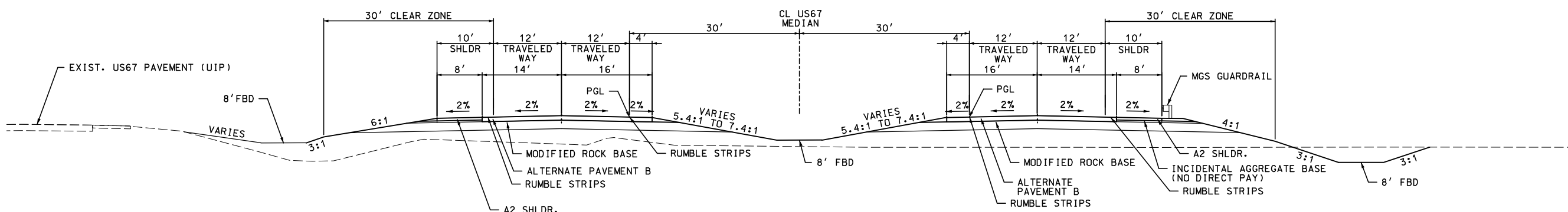
BRIDGE NO.



MODIFIED ROCK BASE DETAIL



① TYPICAL SECTION RTE. 67
STA. 660+75.00 TO STA. 677+66.81
STA. 681+57.33 TO STA. 701+71.97
STA. 705+62.50 TO STA. 754+69.99
STA. 766+58.71 TO STA. 768+17.57



② TYPICAL SECTION RTE. 67
STA. 677+66.81 TO STA. 681+57.33
STA. 701+71.97 TO STA. 705+62.50

2 REVISED

CONCRETE ALTERNATES
TYPICAL SECTIONS
SHEET 6 OF 10

DATE	DESCRIPTION	REVISION #2
9/3/2024		

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105 WEST CAPITOL JEFFERSON CITY, MO 65102

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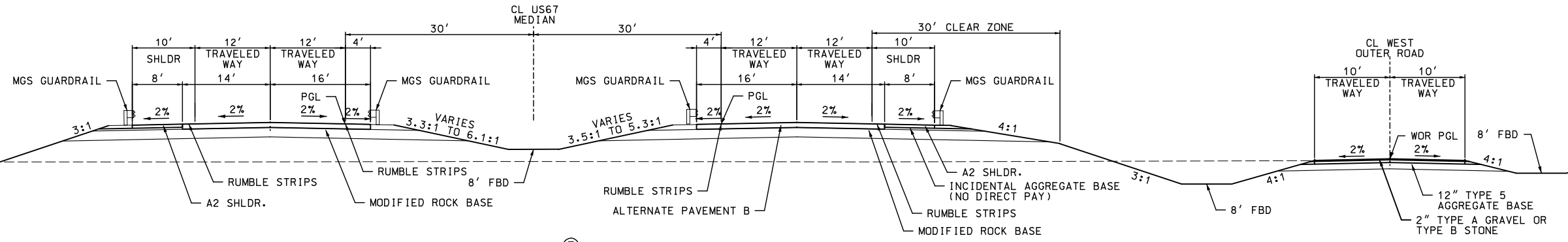
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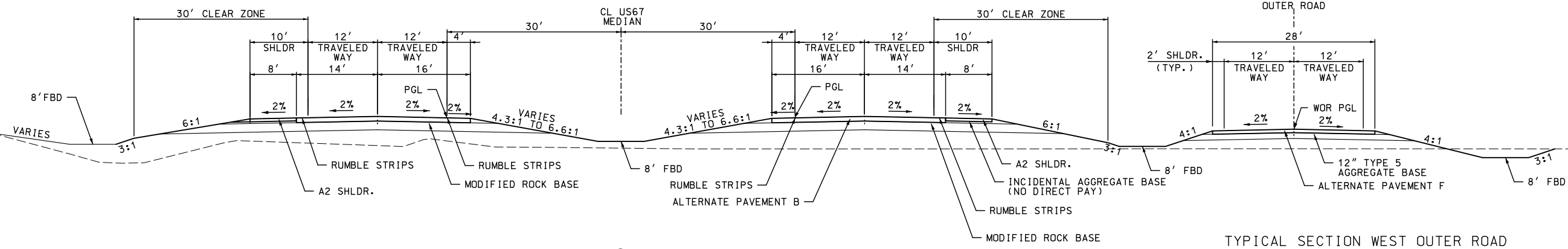
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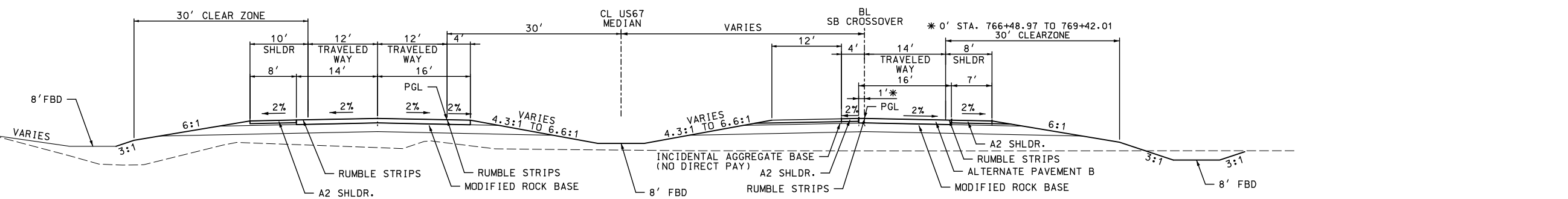
③ TYPICAL SECTION RTE. 67
 STA. 754+69.99 TO STA. 757+50.25

TYPICAL SECTION WEST OUTER ROAD
 STA. 7+50.00 TO STA. 9+35.00
 WEST OUTER ROAD PAVEMENT
 BEGINS AT US67 STA. 757+50.00



④ TYPICAL SECTION RTE. 67
 STA. 757+50.25 TO STA. 766+58.71

TYPICAL SECTION WEST OUTER ROAD
 STA. 9+35.00 TO STA. 16+58.71



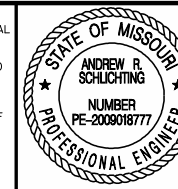
TYPICAL SECTION SB CROSSOVER
 STA. 5+17.57 TO 7+67.83

⑤ TYPICAL SECTION RTE. 67
 STA. 768+17.57 TO STA. 770+67.71

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CONCRETE ALTERNATES
 TYPICAL SECTIONS
 SHEET 7 OF 10

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ROUTE 67 STATE MO

DISTRICT SE SHEET NO. 2

COUNTY BUTLER

JOB NO. J9P3751

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105 WEST CAPITOL JEFFERSON CITY, MO 65102

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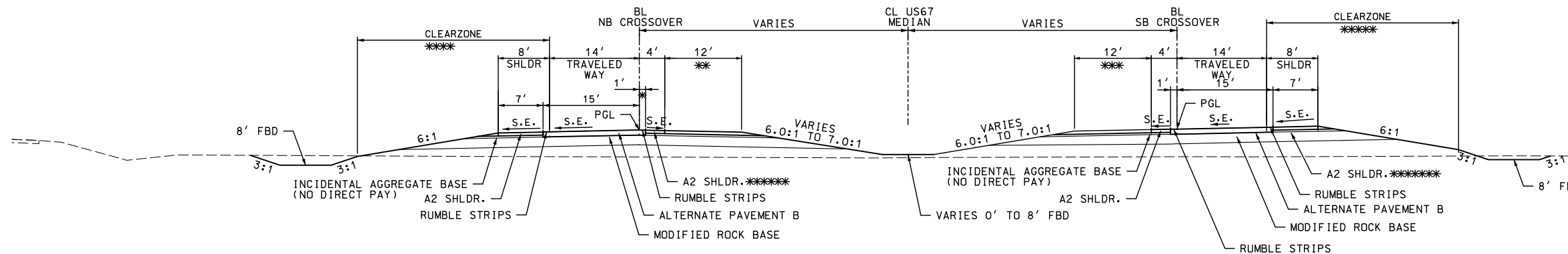
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* 0' STA. 2+67.59 TO 3+92.08
 ** VARIES 12' TO 0' FROM STA. 2+67.59 TO 3+67.59
 *** VARIES 12' TO 0' FROM STA. 7+67.83 TO 8+67.83
 **** VARIES 30' TO 20' FROM STA. 2+67.59 TO 3+67.59
 ***** VARIES 30' TO 20' FROM STA. 7+67.83 TO 8+67.83
 * Begin Full Depth Shoulder (ALT. B) at STA. 7+25.00
 ***** Begin Full Depth Shoulder (ALT. B) at STA. 12+15.00



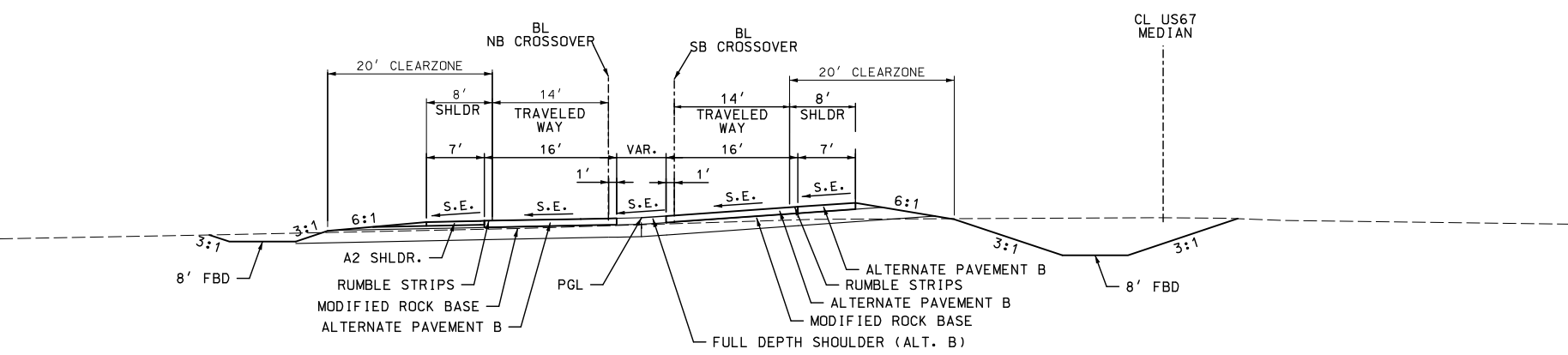
⑥ TYPICAL SECTION RTE. 67
 STA. 770+67.71 TO STA. 776+71.41

TYPICAL SECTION NB CROSSOVER
 STA. 2+67.59 TO STA. 8+71.85

TYPICAL SECTION SB CROSSOVER
 STA. 7+67.83 TO STA. 13+84.19

SOUTHBOUND CROSSOVER SUPERELEVATION TABLE			
STATION	CROSS SLOPE		DESCRIPTION
	LEFT	RIGHT	
5+17.57	-2.00%	-2.00%	NORMAL CROWN
5+79.79	-2.00%	0.00%	SUPER RUNOFF IN
6+42.01	-2.00%	2.00%	REVERSE CROWN IN
7+97.78	-7.00%	7.00%	FULL SUPER IN
11+42.52	-7.00%	7.00%	FULL SUPER OUT
13+49.03	0.00%	0.00%	SUPER RUNOFF
15+55.54	7.00%	-7.00%	FULL SUPER IN
GORE EXCEPTION			
16+49.08	4.86%	-7.00%	MATCH NB SUPER TRANSITION
17+21.02	7.00%	-7.00%	NB FULL SUPER IN
19+12.68	7.00%	-7.00%	FULL SUPER OUT
20+46.20	2.00%	-2.00%	REVERSE CROWN OUT
20+99.53	0.00%	-2.00%	SUPER RUNOFF OUT
21+52.86	-2.00%	-2.00%	NORMAL CROWN

NORTHBOUND CROSSOVER SUPERELEVATION TABLE			
STATION	CROSS SLOPE		DESCRIPTION
	LEFT	RIGHT	
2+67.59	-2.00%	-2.00%	NORMAL CROWN
3+29.93	-2.00%	0.00%	SUPER RUNOFF IN
3+92.15	-2.00%	2.00%	REVERSE CROWN IN
5+47.92	-7.00%	7.00%	FULL SUPER IN
7+37.45	-7.00%	7.00%	FULL SUPER OUT
9+72.98	0.00%	0.00%	SUPER RUNOFF
11+36.50	4.86%	-4.86%	MATCH SB SUPER TRANSITION



⑦ TYPICAL SECTION RTE. 67
 STA. 776+71.41 TO STA. 778+11.30

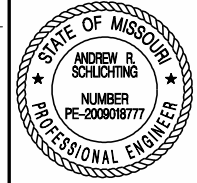
TYPICAL SECTION NB CROSSOVER
 STA. 8+71.85 TO STA. 10+15.87

TYPICAL SECTION SB CROSSOVER
 STA. 13+84.19 TO STA. 15+28.50

2 REVISED

CONCRETE ALTERNATES
 TYPICAL SECTIONS
 SHEET 8 OF 10

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DATE PREPARED
9/12/2024

ROUTE STATE
67 MO
DISTRICT SHEET NO.
SE 2

COUNTY
BUTLER
JOB NO.
J9P3751
CONTRACT ID.

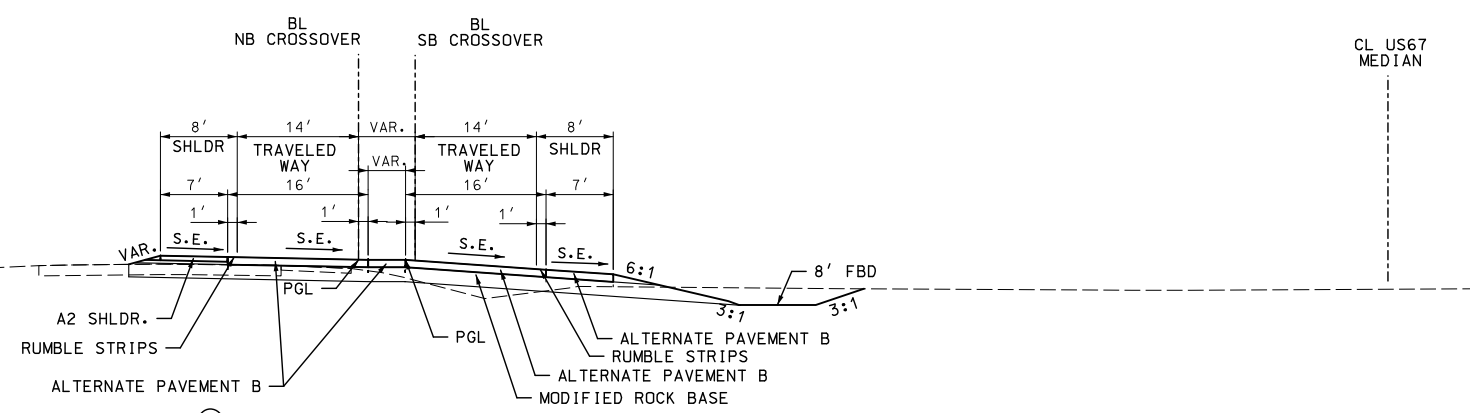
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

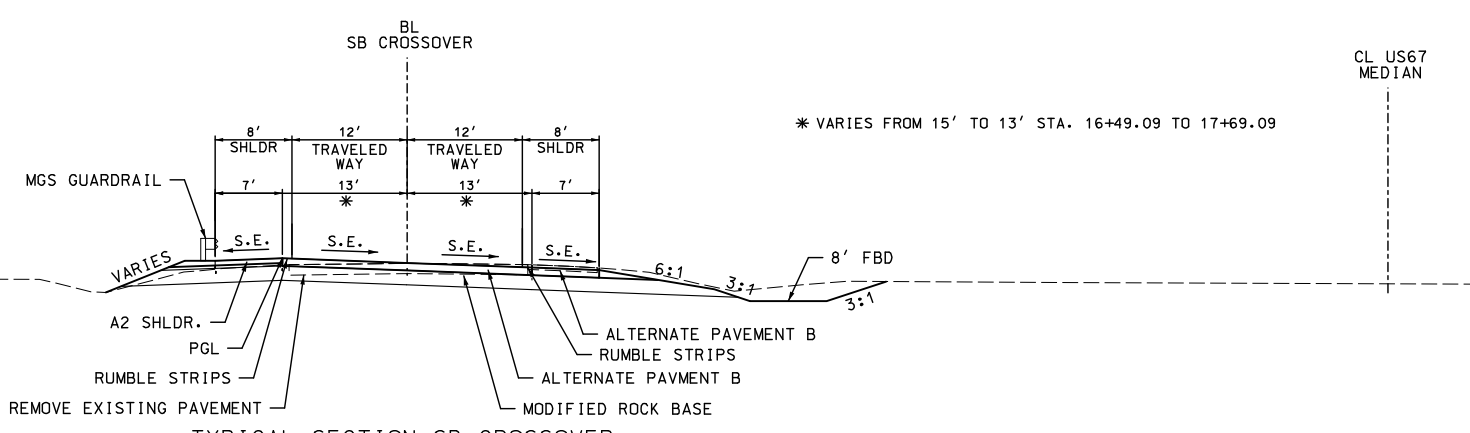
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⑧ TYPICAL SECTION RTE. 67
 STA. 778+11.30 TO STA. 779+29.62
 TYPICAL SECTION NB CROSSOVER STA. 10+15.87 TO STA. 11+36.50
 TYPICAL SECTION SB CROSSOVER STA. 15+28.50 TO STA. 16+49.08



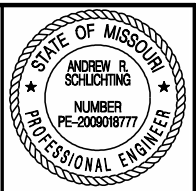
⑨ TYPICAL SECTION RTE. 67
 STA. 779+29.62 TO STA. 781+91.19
 TYPICAL SECTION SB CROSSOVER STA. 16+49.08 TO STA. 19+12.00

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CONCRETE ALTERNATES
 TYPICAL SECTIONS
 SHEET 9 OF 10

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ROUTE	STATE
67	MO
DISTRICT	SHEET NO.
SE	2

COUNTY
 BUTLER
 JOB NO.
 J9P3751
 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

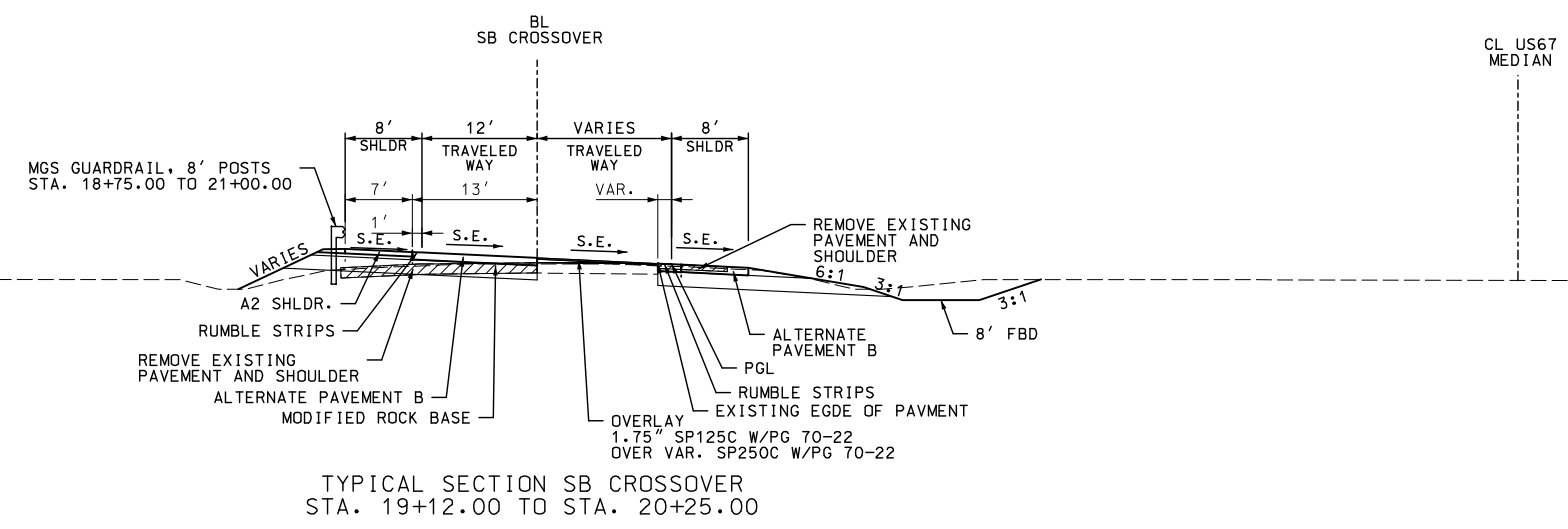
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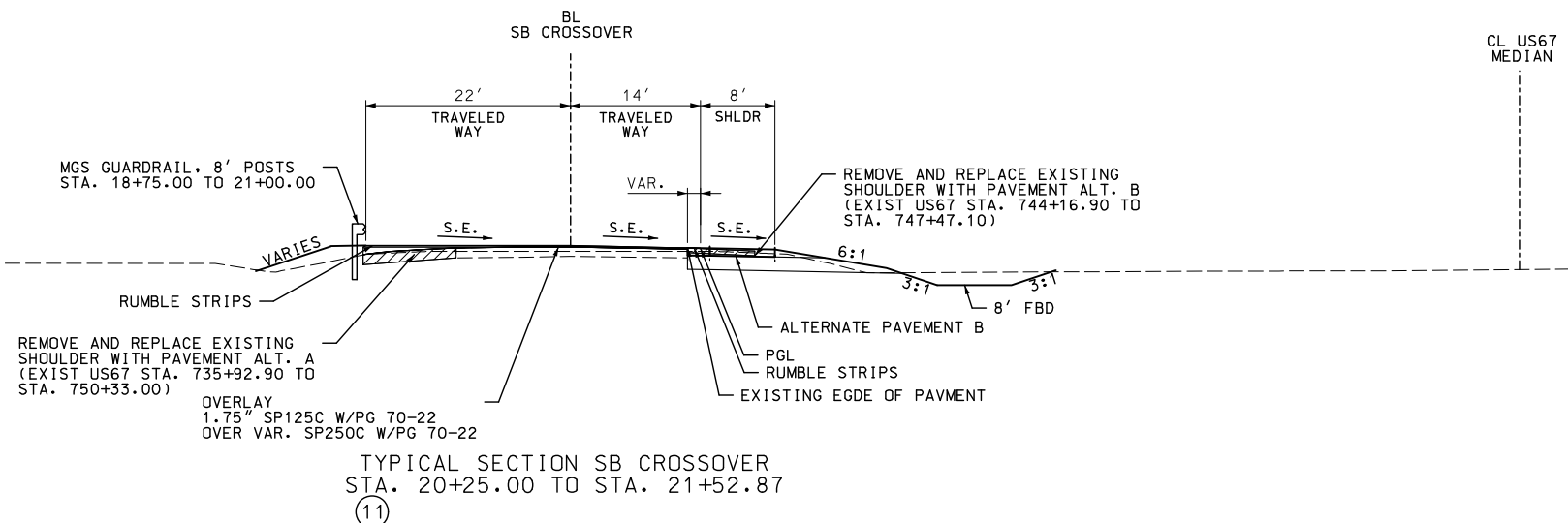
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TYPICAL SECTION SB CROSSOVER
 STA. 19+12.00 TO STA. 20+25.00

(10) TYPICAL SECTION RTE. 67
 STA. 781+91.19 TO STA. 783+17.00



TYPICAL SECTION SB CROSSOVER
 STA. 20+25.00 TO STA. 21+52.87

(11) TYPICAL SECTION RTE. 67
 STA. 783+17.00 TO STA. 784+31.16

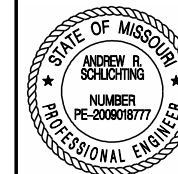
2 REVISED

CONCRETE ALTERNATES
 TYPICAL SECTIONS
 SHEET 10 OF 10

CLEARING AND GRUBBING						
PLAN SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	CLEARING AND GRUBBING (ACRE)	REMARKS
5	680+09.86	680+87.46	PROPOSED US67	RT/LT	0.2	
5	680+87.12	681+22.43	PROPOSED US67	RT	0.2	
7	698+62.57	704+99.15	PROPOSED US67	RT/LT	2.3	
10	740+13.86	740+54.43	PROPOSED US67	RT	0.1	
11	754+85.08	761+13.27	PROPOSED US67	RT	1.1	
11	759+11.74	762+68.39	PROPOSED US67	RT	0.5	
12	766+00.00	766+27.99	PROPOSED US67	RT	0.2	
12	766+64.06	780+00.00	PROPOSED US67	RT	7.3	
13	780+00.00	792+97.43	PROPOSED US67	RT	7.4	
					TOTALS	19

EARTHWORK											
SHEET	FROM STATION	TO STATION	BASELINE	CUT (CUYD)	FILL (CUYD)	CLASS A EXCAVATION (CUYD)	EMBANKMENT IN PLACE (CUYD)	COMPACTING EMBANKMENT (CUYD)	COMPACTING IN CUT (STA)	CLASS 3 EXCAVATION (CUYD)	REMARKS
4	660+75.00	668+00.00	US 67	1,282	3,436						
5	668+00.00	682+00.00	US 67	2,860	13,169						
6	682+00.00	696+00.00	US 67	7,580	3,863						
7	696+00.00	710+00.00	US 67	11,676	11,737						
8	710+00.00	724+00.00	US 67	5,082	3,185						
9	724+00.00	738+00.00	US 67	6,923	10,056						
10	738+00.00	752+00.00	US 67	2,884	8,164						
11	752+00.00	766+00.00	US 67	3,623	24,801						INCLUDES WOR EARTHWORK
11	757+41.80	761+28.17	US 67	1,929							EXCAVATION FOR BRIDGE ROCK LINING
12	766+00.00	780+00.00	US 68	283	2,121						INCLUDES WOR EARTHWORK
13	5+00.00	17+00.00	SB-1	3,499	5,147	2 REVISED					
13	17+00.00	21+50.00	SB-1	1,061	166						
SUBTOTAL				51,283	85,845	51,283	42,254	43,591			
7	696+50.00	698+50.00	US 67						2.0		
9	724+50.00	726+50.00	US 67	2 REVISED					2.0		
11	759+90.00	760+13.00	US 67						0.2		
11	5+84.00	6+61.00	WOR						0.8		
11	10+90.00	11+27.00	WOR						0.4		
7	699+64.69	701+64.54	US 67			2,601	2,601				DRAINING POND
											ALL QUANTITIES ASSUME 15% SHRINK WHEN RECOMPACTING
										1,153	* TOTAL FROM PIPE SCHEDULE
										34	* TOTAL FROM STRUCTURE SCHEDULE
TOTALS				53,884	44,855	43,591		5.4		1,187	

2 REVISED



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DATE PREPARED
9/12/2024

ROUTE STATE
67 MO

DISTRICT SHEET NO.
SE 3

COUNTY
BUTLER

JOB NO.
J9P3751

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION
9/11/24	REVISION #2

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



ROUTE 67
SUMMARY OF QUANTITIES
SHEET 2 OF 16

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

2 REVISED

BASE										
SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	MODIFIED SUBGRADE (SQYD)	TYPE 5 AGGREGATE FOR BASE (6 IN.) (SQYD)	MODIFIED ROCK BASE (SQYD)	GRAVEL (A) OR CRUSHED STONE (B) (TONS)	REMARKS	
4	660+75.00	668+00.00	PROPOSED US67	RIGHT	2,417		2,416.7		ALTERNATE A/B PAVEMENTS	
4	660+75.00	668+00.00	PROPOSED US67	LEFT	2,417		2,416.7			
5	668+00.00	682+00.00	PROPOSED US67	RIGHT	4,667		4,666.7			
5	668+00.00	682+00.00	PROPOSED US67	LEFT	4,667		4,666.7			
6	682+00.00	696+00.00	PROPOSED US67	RIGHT	4,667		4,666.7			
6	682+00.00	696+00.00	PROPOSED US67	LEFT	4,667		4,666.7			
7	696+00.00	710+00.00	PROPOSED US67	RIGHT	4,667		4,666.7			
7	696+00.00	710+00.00	PROPOSED US67	LEFT	4,667		4,666.7			
8	710+00.00	724+00.00	PROPOSED US67	RIGHT	4,667		4,666.7			
8	710+00.00	724+00.00	PROPOSED US67	LEFT	4,667		4,666.7			
9	724+00.00	738+00.00	PROPOSED US67	RIGHT	4,667		4,666.7			
9	724+00.00	738+00.00	PROPOSED US67	LEFT	4,667		4,666.7			
10	738+00.00	752+00.00	PROPOSED US67	RIGHT	4,667		4,666.7			
10	738+00.00	752+00.00	PROPOSED US67	LEFT	4,667		4,666.7			
11	752+00.00	758+38.04	PROPOSED US67	RIGHT	2,127		2,126.8			
11	752+00.00	757+48.04	PROPOSED US67	LEFT	1,827		1,826.8			
11	760+33.91	766+00.00	PROPOSED US67	RIGHT	1,887		1,887.0			
11	759+43.91	766+00.00	PROPOSED US67	LEFT	2,187		2,187.0			
12	766+00.00	768+17.57	PROPOSED US67	RIGHT	725		725.2			
12	766+00.00	770+67.59	PROPOSED US67	LEFT	1,559		1,558.6			
12	2+67.59	11+36.50	NB TRANSITION	RIGHT/LEFT	1,548		1,547.9			
12	5+17.57	16+49.08	SB TRANSITION	RIGHT/LEFT	2,484		2,483.5			
12	16+49.08	17+20.81	SB TRANSITION	CL	282		282.4			
13	17+20.81	19+12.00	SB TRANSITION	RIGHT	428		428.2			
13	17+20.81	20+25.00	SB TRANSITION	LEFT	441		441.3			
12-13	735+92.90	750+33.00	EXISTING US67	LEFT	1,100		1,099.8			
12-13	743+79.39	747+47.10	EXISTING US67	RIGHT	298		297.5			
4	660+75.00	668+00.00	PROPOSED US67	RIGHT	644		644.4	ALTERNATE C/D SHOULDERS		
4	660+75.00	668+00.00	PROPOSED US67	LEFT	644		644.4			
5	668+00.00	682+00.00	PROPOSED US67	RIGHT	1,244		1,244.4			
5	668+00.00	682+00.00	PROPOSED US67	LEFT	1,244		1,244.4			
6	682+00.00	696+00.00	PROPOSED US67	RIGHT	1,244		1,244.4			
6	682+00.00	696+00.00	PROPOSED US67	LEFT	1,244		1,244.4			
7	696+00.00	710+00.00	PROPOSED US67	RIGHT	1,244		1,244.4			
7	696+00.00	710+00.00	PROPOSED US67	LEFT	1,244		1,244.4			
8	710+00.00	724+00.00	PROPOSED US67	RIGHT	1,244		1,244.4			
8	710+00.00	724+00.00	PROPOSED US67	LEFT	1,244		1,244.4			
9	724+00.00	738+00.00	PROPOSED US67	RIGHT	1,244		1,244.4			
9	724+00.00	738+00.00	PROPOSED US67	LEFT	1,244		1,244.4			
10	738+00.00	752+00.00	PROPOSED US67	RIGHT	1,244		1,244.4			
10	738+00.00	752+00.00	PROPOSED US67	LEFT	1,244		1,244.4			
11	752+00.00	758+38.04	PROPOSED US67	RIGHT	567		567.1			
11	752+00.00	757+48.04	PROPOSED US67	LEFT	487		487.1			
11	760+33.91	766+00.00	PROPOSED US67	RIGHT	503		503.2			
11	759+43.91	766+00.00	PROPOSED US67	LEFT	583		583.2			
12	766+00.00	768+17.57	PROPOSED US67	RIGHT	193		193.4			
12	766+00.00	770+67.61	PROPOSED US67	LEFT	416		415.6			
12	2+67.59	11+36.50	NB TRANSITION	LEFT	673		673.2			
12	2+67.59	7+25.00	NB TRANSITION	RIGHT	166		166.4			
12	5+17.57	13+84.19	SB TRANSITION	LEFT	303		302.5			
12	5+17.57	12+15.00	SB TRANSITION	RIGHT	546		546.3			
12	16+49.08	17+20.81	SB TRANSITION	LEFT	58		58.3			
13	17+20.81	20+25.00	SB TRANSITION	LEFT	237		236.5			
11	7+50.00	9+35.00	WOR	CL		486			54	INCLUDES DRIVEWAY AGGREGATE
11	9+35.00	9+65.63	WOR	CL		95	190			ALTERNATE E/F PAVEMENT
11	10+93.49	16+00.00	WOR	CL	1,576	3,152				
12	16+00.00	16+58.66	WOR	CL	245	490				TEMPORARY ENTRANCE TO SMOODY PROPERTY
12			CR352			40		4		
TOTAL					108,524	4,358	98,680.2	58		

2 REVISED



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DATE PREPARED
9/12/2024

ROUTE 67 STATE MO
DISTRICT SE SHEET NO. 3

COUNTY BUTLER

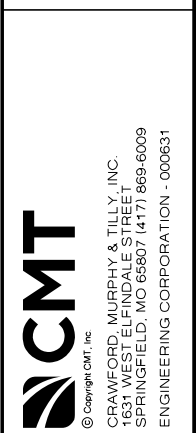
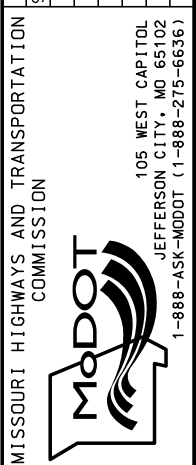
JOB NO. J9P3751

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION
9/11/24	REVISION #2



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ROUTE 67 STATE MO
DISTRICT SE SHEET NO. 3

COUNTY BUTLER
JOB NO. J9P3751
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION
9/11/24	REVISION #2

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
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PAVEMENT UNDERDRAINAGE						
SHEET	STA.	STA.	ALIGN.	PIPE AGGREGATE PAVEMENT EDGE DRAIN (LF)	OUTLET PIPES AND SPLASH PADS (EA)	REMARKS
4-5	660+75	679+25	NB US67	1,850		
5-7	681+00	704+00	NB US67	2,300		
7-11	706+00	756+48	NB US67	5,048		
11-12	759+44	770+68	NB US67	1,124		
4-5	660+75	679+25	SB US67	1,850		
5-7	681+00	704+00	SB US67	2,300		
7-11	706+00	758+38	SB US67	5,238		
11-12	760+34	768+18	SB US67	784		
4	662+50		US67_3751		2	NB & SB OUTER LANE OUTLET
4	665+00		US67_3751		2	NB & SB OUTER LANE OUTLET
4	667+50		US67_3751		2	NB & SB OUTER LANE OUTLET
5	670+00		US67_3751		2	NB & SB OUTER LANE OUTLET
5	672+50		US67_3751		2	NB & SB OUTER LANE OUTLET
5	675+00		US67_3751		2	NB & SB OUTER LANE OUTLET
5	677+50		US67_3751		2	NB & SB OUTER LANE OUTLET
5	679+25		US67_3751		2	NB & SB OUTER LANE OUTLET
5	681+00		US67_3751		2	NB & SB OUTER LANE OUTLET
6	682+50		US67_3751		2	NB & SB OUTER LANE OUTLET
6	685+00		US67_3751		2	NB & SB OUTER LANE OUTLET
6	687+50		US67_3751		2	NB & SB OUTER LANE OUTLET
6	690+00		US67_3751		2	NB & SB OUTER LANE OUTLET
6	692+50		US67_3751		2	NB & SB OUTER LANE OUTLET
6	695+00		US67_3751		2	NB & SB OUTER LANE OUTLET
7	697+50		US67_3751		2	NB & SB OUTER LANE OUTLET
7	700+00		US67_3751		2	NB & SB OUTER LANE OUTLET
7	702+50		US67_3751		2	NB & SB OUTER LANE OUTLET
7	704+00		US67_3751		2	NB & SB OUTER LANE OUTLET
7	706+00		US67_3751		2	NB & SB OUTER LANE OUTLET
7	707+50		US67_3751		2	NB & SB OUTER LANE OUTLET
7	710+00		US67_3751		2	NB & SB OUTER LANE OUTLET
8	712+50		US67_3751		2	NB & SB OUTER LANE OUTLET
8	715+00		US67_3751		2	NB & SB OUTER LANE OUTLET
8	717+50		US67_3751		2	NB & SB OUTER LANE OUTLET
8	720+00		US67_3751		2	NB & SB OUTER LANE OUTLET
8	722+50		US67_3751		2	NB & SB OUTER LANE OUTLET
9	725+00		US67_3751		2	NB & SB OUTER LANE OUTLET
9	727+50		US67_3751		2	NB & SB OUTER LANE OUTLET
9	730+00		US67_3751		2	NB & SB OUTER LANE OUTLET
9	732+50		US67_3751		2	NB & SB OUTER LANE OUTLET
9	735+00		US67_3751		2	NB & SB OUTER LANE OUTLET
9	737+50		US67_3751		2	NB & SB OUTER LANE OUTLET
10	740+00		US67_3751		2	NB & SB OUTER LANE OUTLET
10	742+50		US67_3751		2	NB & SB OUTER LANE OUTLET
10	745+00		US67_3751		2	NB & SB OUTER LANE OUTLET
10	747+50		US67_3751		2	NB & SB OUTER LANE OUTLET
10	750+00		US67_3751		2	NB & SB OUTER LANE OUTLET
11	752+50		US67_3751		2	NB & SB OUTER LANE OUTLET
11	755+00		US67_3751		2	NB & SB OUTER LANE OUTLET
11	756+48		US67_3751		1	NB OUTER LANE OUTLET
11	757+50		US67_3751		1	SB OUTER LANE OUTLET
11	760+50		US67_3751		1	NB OUTER LANE OUTLET
11	761+00		US67_3751		1	SB OUTER LANE OUTLET
11	762+50		US67_3751		2	NB & SB OUTER LANE OUTLET
11	765+00		US67_3751		2	NB & SB OUTER LANE OUTLET
12	767+50		US67_3751		2	NB & SB OUTER LANE OUTLET
TOTALS				20,493	90	

2 DELETED

ROUTE 67
SUMMARY OF QUANTITIES
SHEET 6 OF 16

EQUIVALENT PAVEMENT DESIGNS		
CATEGORY	BASE TYPE***	HMA DESIGN
US 67 MAINLINE ALTERNATE G	18" ROCK BASE **	11.0" HMA 1-3/4" SP125C W/PG 70-22 OVER 3" SP250C W/PG 70-22 OVER 6-1/4" SP250C W/PG 64-22
OUTER ROADS ALTERNATE K	12" TYPE 5 AGGREGATE BASE	7.0" HMA 1-3/4" BP W/PG 64-22 OVER 5-1/4" BB W/PG 64-22

NOTE: ALL SLOPES STEEPER THAN 3:1
WILL REQUIRE ROCK BLANKET, SEE EROSION
CONTROL PLANS FOR ROCK BLANKET LOCATION

BASE INCIDENTAL FOR A2 SHOULDRS

- * MATERIAL FROM THE CONTRACTOR'S BORROW SOURCE SHALL EXHIBIT SUFFICIENT COHESIVE TO ALLOW CONSTRUCTION OF NON-ERODIBLE SLOPES
 - ** SECTION 205 - MODIFIED SUBGRADE SHALL BE USED IN ADDITION TO THE BASE REQUIREMENTS. ONLY GEOGRID AND GEOTEXTILE WILL BE ALLOWED.
 - ***DESIGNS FOR ALTERNATE TECHNICAL CONCEPT - GRADING, BASE AND PAVING, SEE JSPS PAY LIMITS FOR ROCK BASE END AT OUTSIDE EDGE OF SHOULDER
- ASPHALT APPLICATION RATES:
 ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP125C MIX)= 1.927 TON/C.Y.
 ASPHALTIC CONCRETE MIXTURE PG 70-22 (SP250C MIX)= 1.946 TON/C.Y.
 ASPHALTIC CONCRETE MIXTURE PG 64-22 (SP250C MIX)= 1.946 TON/C.Y.
 BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) = 1.948 TON/C.Y.
 BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE) = 1.943 TON/C.Y.

TACK COAT
 NEW ASPHALT SURFACES 0.05 GAL/S.Y.
 EXISTING SURFACES 0.08 GAL/S.Y.
 COLDMILLED SURFACES 0.10 GAL/S.Y.

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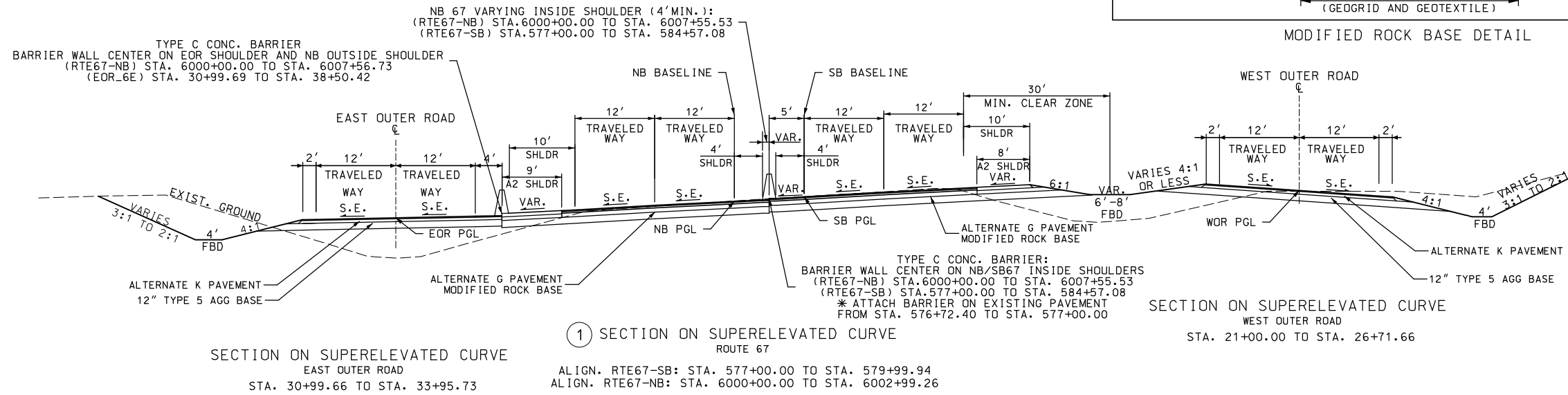
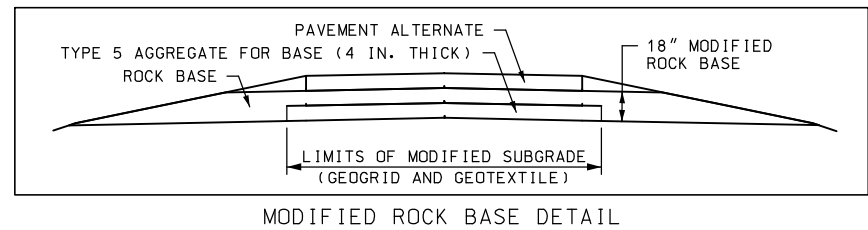
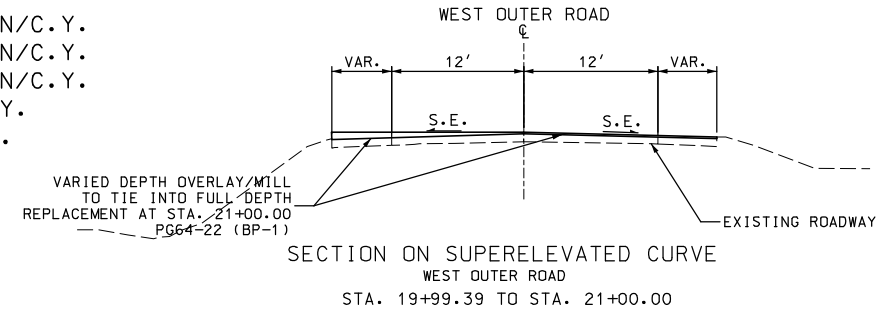
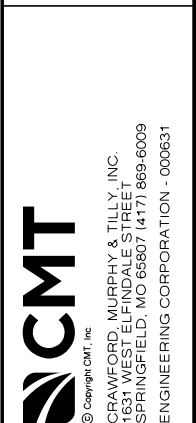
DATE PREPARED 9/12/2024
 ROUTE 67 MO
 DISTRICT SE SHEET NO. 2

COUNTY BUTLER
 JOB NO. J9P3764
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

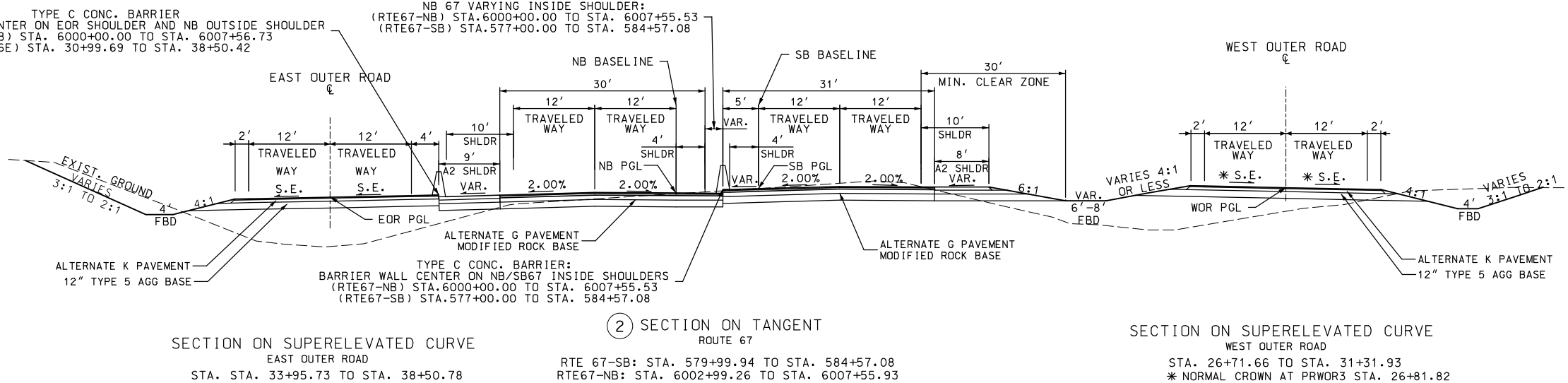
DESCRIPTION	REVISION #2	DATE
		9/3/2024

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-278-6636)



SECTION ON SUPERELEVATED CURVE ROUTE 67

SECTION ON SUPERELEVATED CURVE WEST OUTER ROAD STA. 21+00.00 TO STA. 26+71.66



SECTION ON TANGENT ROUTE 67

SECTION ON SUPERELEVATED CURVE EAST OUTER ROAD STA. STA. 33+95.73 TO STA. 38+50.78

SECTION ON SUPERELEVATED CURVE WEST OUTER ROAD STA. 26+71.66 TO STA. 31+31.93 * NORMAL CROWN AT PRWOR3 STA. 26+81.82

2 REVISED

ASPHALT ALTERNATIVES
 TYPICAL SECTIONS
 SHEET 1 OF 6

NOTE: ALL SLOPES STEEPER THAN 3:1 WILL REQUIRE ROCK BLANKET, SEE PLANS FOR ROCK BLANKET LOCATION

BASE INCIDENTAL FOR A2 SHOULDRS

TYPE C CONC. BARRIER BARRIER WALL ON EXTENDED EAST OUTER ROAD SHOULDER (RTE67-NB) STA. 6007+56.73 TO STA. 6010+09.82 (EOR_6E) STA. 38+50.38 TO STA. 43+95.83

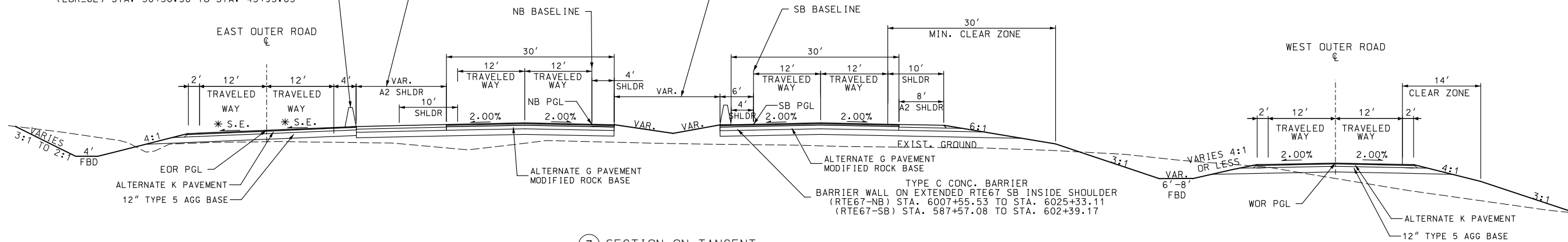
NB67 VARYING OUTSIDE SHOULDER: (RTE67-NB) 6007+56.73 TO STA. 6010+09.82 (RTE67-SB) 584+57.06 TO STA. 587+10.57 (EOR_6E) STA. 38+50.38 TO STA. 41+01.28

MAINLINE V-DITCH: (RTE67-SB) STA. 584+57.08 TO STA. 588+00.00 (RTE67-NB) STA. 6007+55.71 TO STA. 6010+97.96

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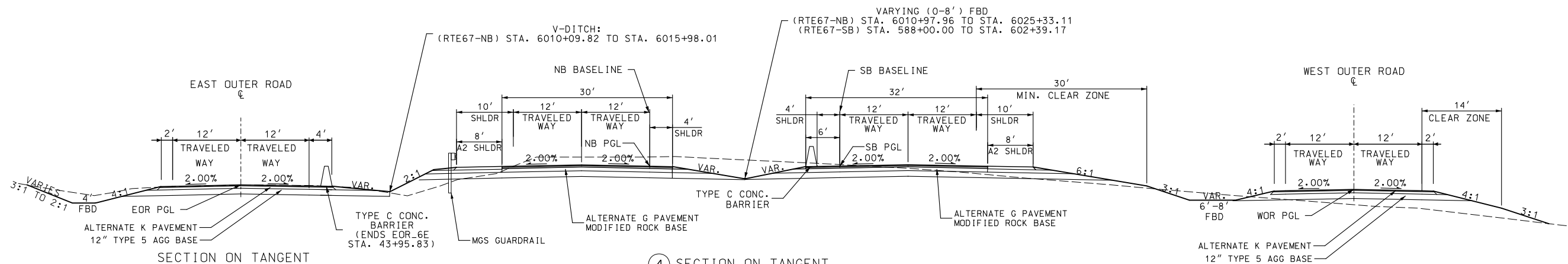
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.
DATE PREPARED 9/12/2024
ROUTE 67 STATE MO
DISTRICT SE SHEET NO. 2
COUNTY BUTLER
JOB NO. J9P3764
CONTRACT ID.
PROJECT NO.
BRIDGE NO.



SECTION ON SUPERELEVATED CURVE
EAST OUTER ROAD
STA. 38+50.78 TO 41+92.53
* NORMAL CROWN AT EOR_6E STA. 42+63.51

SECTION ON TANGENT
ROUTE 67
RTE 67-SB: STA. 584+57.06 TO STA. 588+00.00
RTE67-NB: STA. 6007+55.93 TO STA. 6010+98.31

SECTION ON TANGENT
WEST OUTER ROAD
STA. 31+31.93 TO STA. 33+77.40



SECTION ON TANGENT
EAST OUTER ROAD
STA. 41+92.53 TO STA. 45+00.00

SECTION ON TANGENT
ROUTE 67
RTE 67-SB: STA. 588+00.00 TO STA. 591+00.00
RTE67-NB: STA. 6010+98.31 TO STA. 6013+97.67

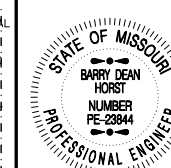
SECTION ON TANGENT
WEST OUTER ROAD
STA. 34+77.40 TO STA. 37+79.68

2 REVISED

ASPHALT ALTERNATIVES
TYPICAL SECTIONS
SHEET 2 OF 6



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DATE PREPARED
9/12/2024

ROUTE 67 STATE MO

DISTRICT SE SHEET NO. 2

COUNTY BUTLER

JOB NO. J9P3764

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

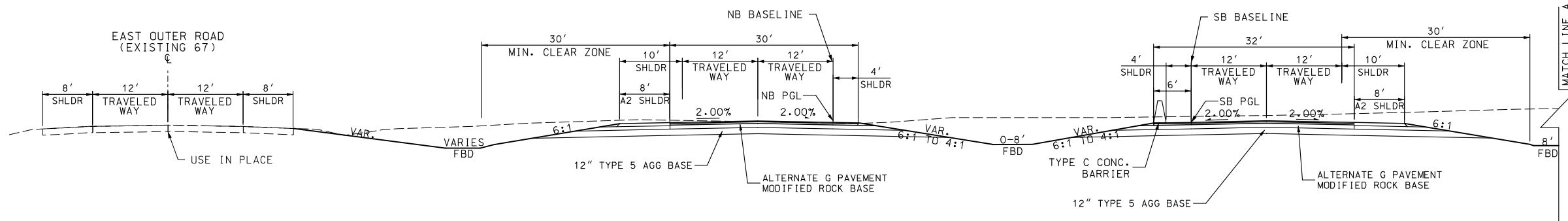
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-278-6636)

BACON FARMER WORKMAN ENGINEERING & TESTING, INC.

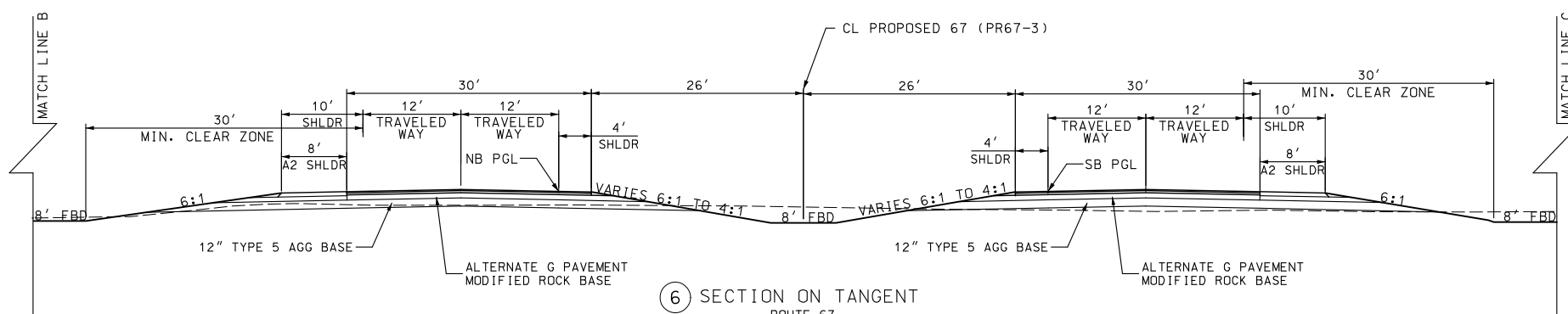
4101 WILSON AVENUE, SUITE 200
JEFFERSON CITY, MO 65109
PHONE: 636-475-9200
FAX: 636-475-9201
WWW.BFWENGINEERING.COM



⑤ SECTION ON TANGENT
ROUTE 67

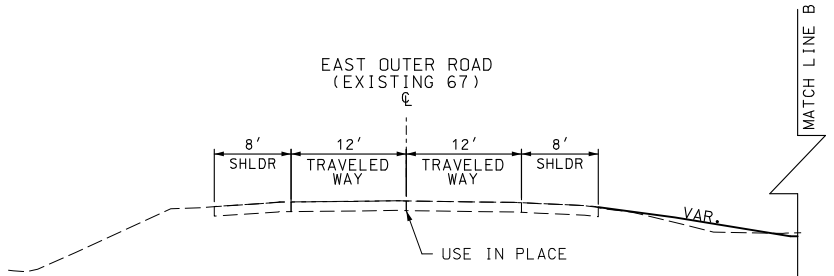
ALIGN. RTE67-SB: STA. 591+00.00 TO STA. 602+39.17
ALIGN. RTE67-NB: STA. 6013+97.67 TO STA. 6025+33.11

* UNDERDRAINS FOR PROPOSED 67 NB/SB OUTSIDE LANES TO BE CONSTRUCTED FROM STA. 620+00.00 TO 660+75.00 (END OF J9P3764)



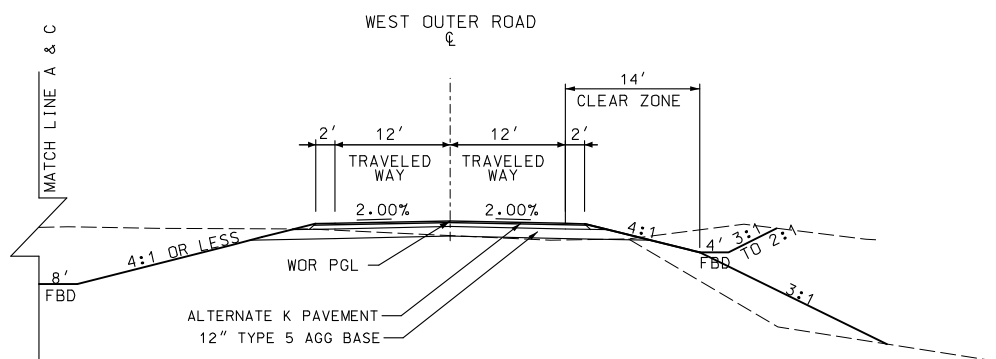
⑥ SECTION ON TANGENT
ROUTE 67

ALIGN. PR67-3: STA. 602+39.17 TO STA. 660+75.00



⑥ SECTION ON TANGENT
EXISTING EAST OUTER ROAD

STA. 554+58.81 TO STA. 622+65.01 (ALIGN: RTE67_EXCOMB)



SECTION ON TANGENT
WEST OUTER ROAD

STA. 37+79.68 TO STA. 107+64.00

2 REVISED

ASPHALT ALTERNATIVES
TYPICAL SECTIONS
SHEET 3 OF 6

EQUIVALENT PAVEMENT DESIGNS		
CATEGORY	BASE TYPE**	PCCP DESIGN
US 67 MAINLINE ALTERNATE H	18" ROCK BASE **	9.0" PCCP 15 FT. JOINTS AND 1-1/4" DOWELS
OUTER ROADS ALTERNATE L	12" TYPE 5 AGGREGATE BASE	7.0" PCCP JOINT SPACING SHOULD MATCH LANE WIDTH: 1-1/4" DOWELS

- * MATERIAL FROM THE CONTRACTOR'S BORROW SOURCE SHALL EXHIBIT SUFFICIENT COHESIVE TO ALLOW CONSTRUCTION OF NON-ERODIBLE SLOPES
- ** SECTION 205 - MODIFIED SUBGRADE SHALL BE USED IN ADDITION TO THE BASE REQUIREMENTS. ONLY GEOGRID AND GEOTEXTILE WILL BE ALLOWED.
- *** DESIGNS FOR ALTERNATE TECHNICAL CONCEPT - GRADING, BASE AND PAVING, SEE JSPPS PAY LIMITS FOR ROCK BASE END AT OUTSIDE EDGE OF SHOULDER

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DATE PREPARED
9/12/2024

ROUTE
67 MO

DISTRICT
SE SHEET NO.
2

COUNTY
BUTLER

JOB NO.
J9P3764

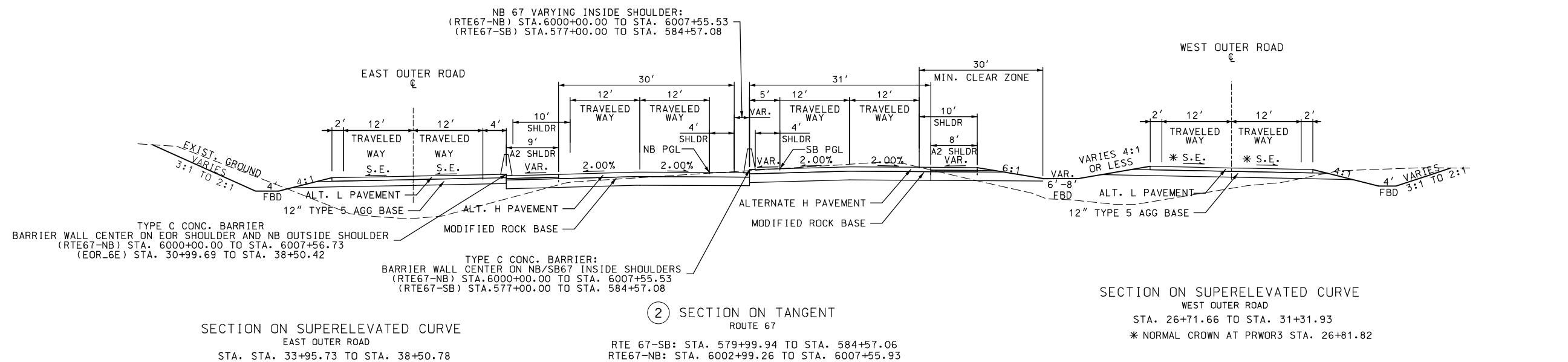
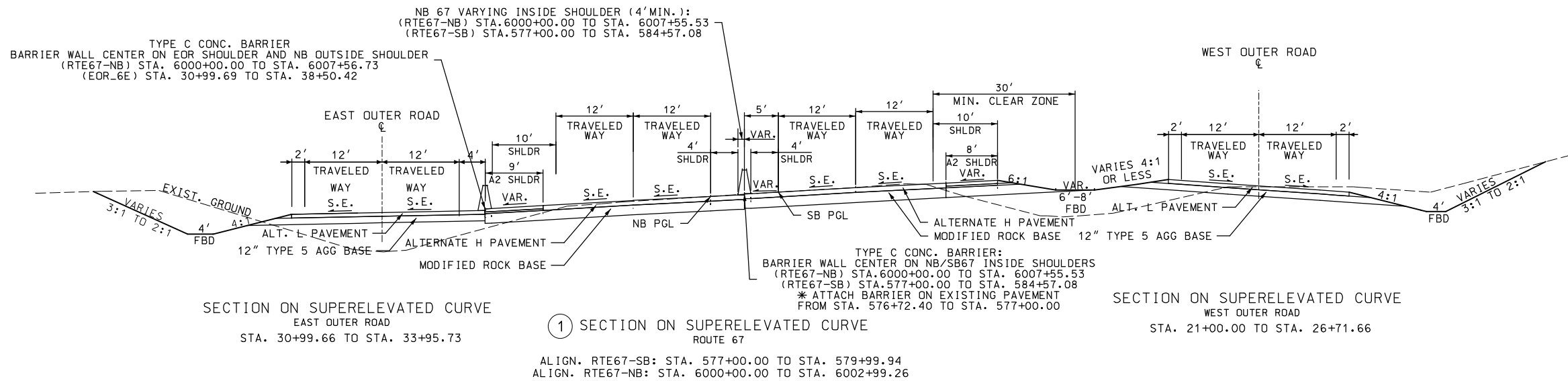
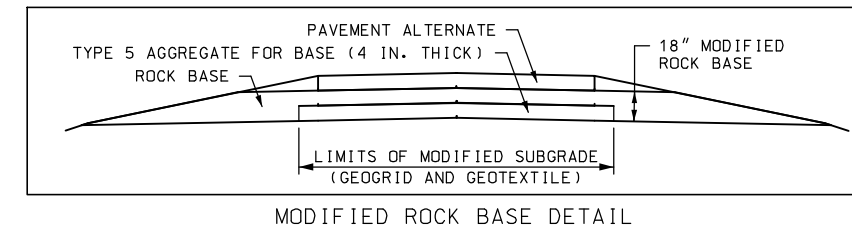
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

NOTE: ALL SLOPES STEEPER THAN 3:1 WILL REQUIRE ROCK BLANKET, SEE EROSION CONTROL PLANS FOR ROCK BLANKET LOCATION

BASE INCIDENTAL FOR A2 SHOUDLERS



2 REVISED

CONCRETE ALTERNATIVES
TYPICAL SECTIONS
SHEET 4 OF 6

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

DATE	DESCRIPTION	REVISION #2
9/3/2024		

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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JEFFERSON CITY, MO 65102
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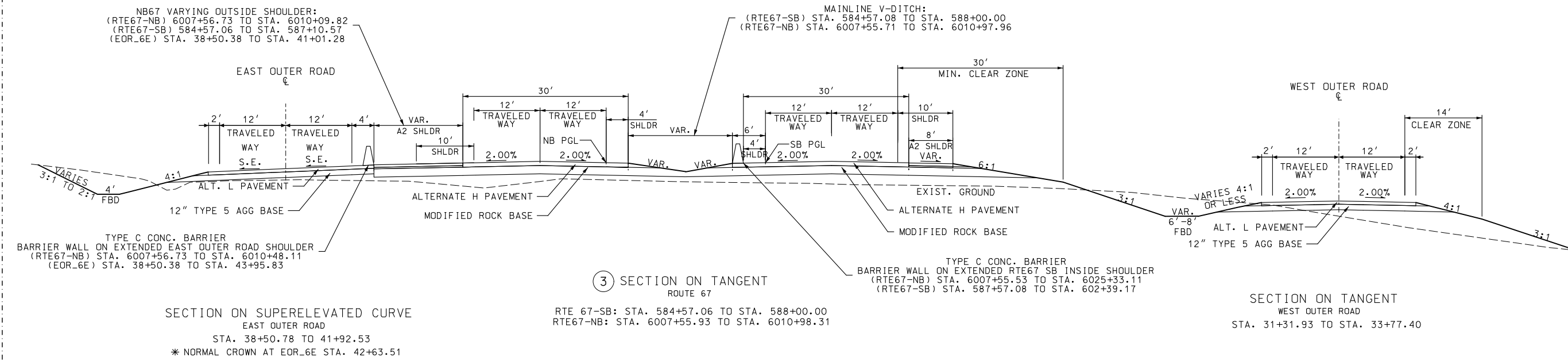
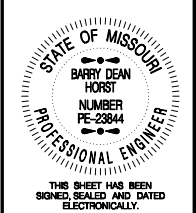
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CRAWFORD, MURPHY & TILLY, INC.
SPECIALIZED ENGINEERING & ARCHITECTURE
SPRINGFIELD, MO 65807 (417) 869-6009
ENGINEERING CORPORATION - 000631

NOTE: ALL SLOPES STEEPER THAN 3:1 WILL REQUIRE ROCK BLANKET, SEE PLANS FOR ROCK BLANKET LOCATION

BASE INCIDENTAL FOR A2 SHOULDRS

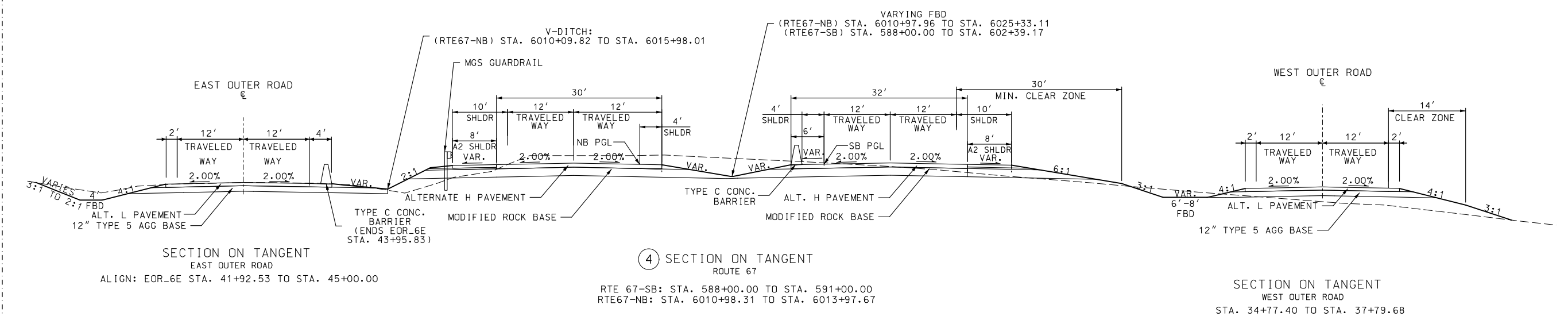
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SECTION ON SUPERELEVATED CURVE
EAST OUTER ROAD
STA. 38+50.78 TO 41+92.53
* NORMAL CROWN AT EOR_6E STA. 42+63.51

SECTION 3 ON TANGENT
ROUTE 67
RTE 67-SB: STA. 584+57.06 TO STA. 588+00.00
RTE 67-NB: STA. 6007+55.93 TO STA. 6010+98.31

SECTION ON TANGENT
WEST OUTER ROAD
STA. 31+31.93 TO STA. 33+77.40



SECTION ON TANGENT
EAST OUTER ROAD
ALIGN: EOR_6E STA. 41+92.53 TO STA. 45+00.00

SECTION 4 ON TANGENT
ROUTE 67
RTE 67-SB: STA. 588+00.00 TO STA. 591+00.00
RTE 67-NB: STA. 6010+98.31 TO STA. 6013+97.67

SECTION ON TANGENT
WEST OUTER ROAD
STA. 34+77.40 TO STA. 37+79.68

DATE PREPARED 9/12/2024	
ROUTE 67	STATE MO
DISTRICT SE	SHEET NO. 2
COUNTY BUTLER	
JOB NO. J9P3764	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-278-6636)

BACON FARMER WORKMAN ENGINEERING & TESTING, INC.

415 BROADWAY STREET
PHOENIX, AZ 85004
WWW.BFWENGINEERING.COM

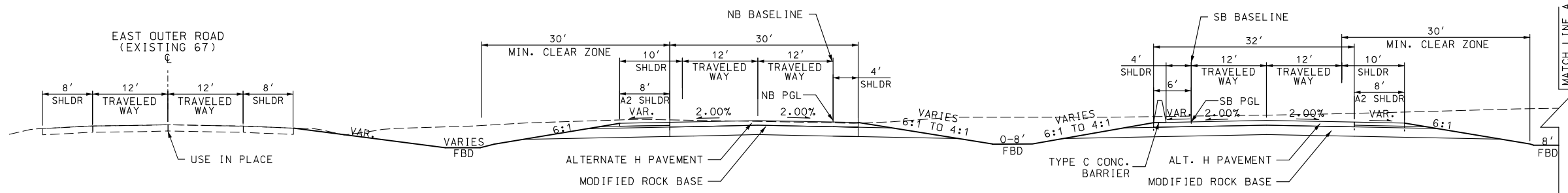
2 REVISED

CONCRETE ALTERNATIVES
TYPICAL SECTIONS
SHEET 5 OF 6

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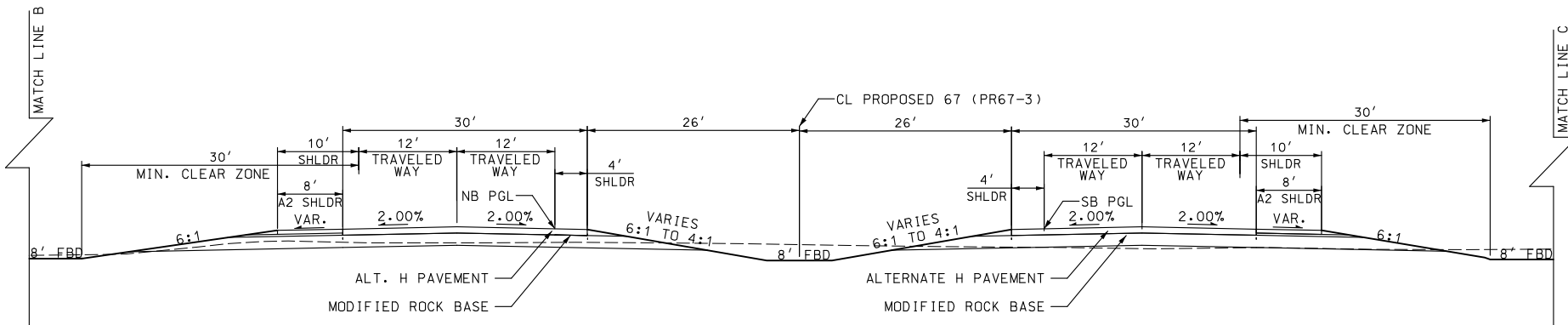


DATE PREPARED 9/12/2024	
ROUTE 67	STATE MO
DISTRICT SE	SHEET NO. 2
COUNTY BUTLER	
JOB NO. J9P3764	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	



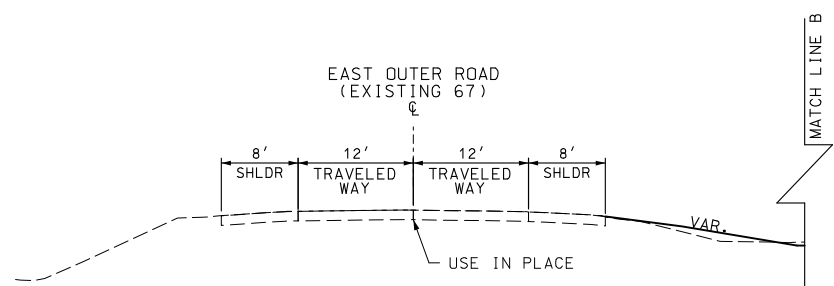
5 SECTION ON TANGENT
 ROUTE 67
 ALIGN. RTE67-SB: STA. 591+00.00 TO STA. 602+39.17
 ALIGN. RTE67-NB: STA. 6013+97.67 TO STA. 6025+33.11

SECTION ON TANGENT
 EXISTING EAST OUTER ROAD
 STA. 554+58.81 TO STA. 622+65.01 (ALIGN: RTE67_EXCOMB)
 FULL DEPTH REPLACEMENT ENDS STA. 45+00.00 (ALIGN: EOR_6E)

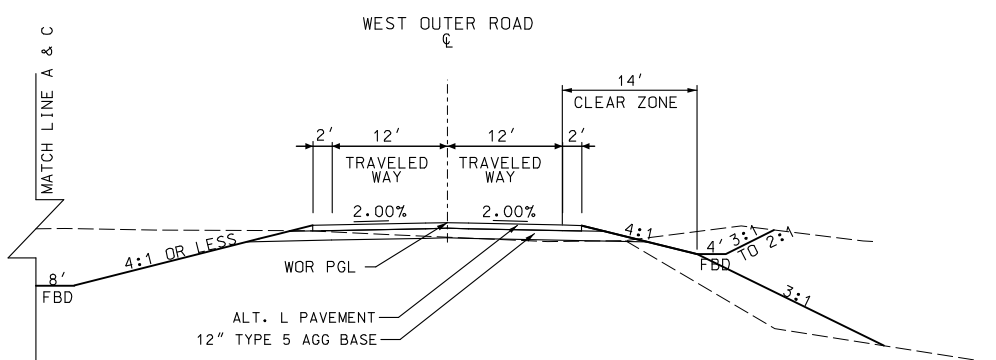


6 SECTION ON TANGENT
 ROUTE 67
 ALIGN. PR67-3: STA. 602+39.17 TO STA. 660+75.00

* UNDERDRAINS FOR PROPOSED 67 NB/SB OUTSIDE LANES TO BE CONSTRUCTED FROM STA. 620+00 TO 660+75



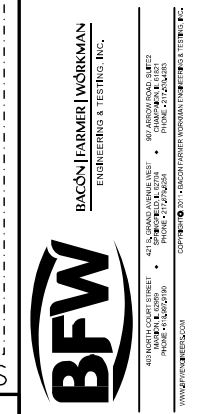
SECTION ON TANGENT
 EXISTING EAST OUTER ROAD
 STA. 554+58.81 TO STA. 622+65.01 (ALIGN: RTE67_EXCOMB)
 FULL DEPTH REPLACEMENT ENDS STA. 45+00.00 (ALIGN: EOR_6E)



SECTION ON TANGENT
 WEST OUTER ROAD
 STA. 37+79.68 TO STA. 107+64.00

2 REVISED

CONCRETE ALTERNATIVES
 TYPICAL SECTIONS
 SHEET 6 OF 6



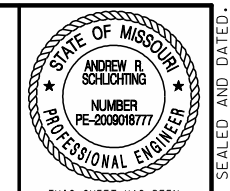
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REMOVAL OF IMPROVEMENTS (CONTINUED)								
SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	DESCRIPTION	UNIT	QUANTITY	REMARKS
9	633+41.87		PROPOSED US67	RT	SIGN	EA	1	PRIVATE BRICK SIGN
9	633+62.62		PROPOSED US67	RT	POST	EA	1	
9	633+76.78	634+60.68	PROPOSED US67	LT	BUILDING	EA	1	
9	634+90.00		PROPOSED US67	RT	FABRICATED BUILDING	EA	1	
10	647+20.00	653+20.00	PROPOSED US67	RT/LT	TREE	EA	33	
10	647+65.00		PROPOSED US67	LT	BUILDING	EA	1	
10	647+70.00		PROPOSED US67	RT	BUILDING	EA	1	
10	648+24.45		PROPOSED US67	RT	FOUNDATION	EA	1	
10	657+02.46		PROPOSED US67	RT	TREE	EA	4	
10	654+54.62		PROPOSED US67	LT	24" PIPE	LF	60	
10	655+30.49		PROPOSED US67	LT	FOUNDATION	EA	1	
10	654+56.07		PROPOSED US67	RT	FOUNDATION	EA	1	
10	656+50.00		PROPOSED US67	LT	POLE	EA	1	
10-11	656+50.00	657+24.00	PROPOSED US67	LT	CONCRETE PAVEMENT	SY	340	
10	654+70.00		PROPOSED US67	LT	CONCRETE PAVEMENT	SY	300	DRIVEWAY
11	657+00.00	660+50.00	PROPOSED US67	LT/RT	TREE	EA	27	
11	658+93.08		PROPOSED US67	RT	FOUNDATION	EA	1	
11	658+18.08		PROPOSED US67	LT	24" PIPE	LF	41	
11	660+41.78	661+07.76	PROPOSED US67	LT	SAWCUT	LF	66	
11	660+69.56	660+92.73	PROPOSED US67	RT	SAWCUT	LF	24	
11	660+05.00		PROPOSED US67	RT	FABRICATED BUILDING	EA	1	
11	660+15.00		PROPOSED US67	RT	FABRICATED BUILDING	EA	1	
					SAWCUTS FOR PAVEMENT REMOVAL	LF		INCIDENTAL TO REMOVAL OF IMPROVEMENTS
81	485+76		RTE67_EXCOMB	RT	SIGN	EA	1	STRUCTURAL SIGN
81	511+00		RTE67_EXCOMB	RT	SIGN	EA	1	STRUCTURAL SIGN
81	532+31		RTE67_EXCOMB	RT	SIGN	EA	1	STRUCTURAL SIGN
81	560+20		RTE67_EXCOMB	RT	SIGN	EA	1	W6-1
82	565+00		RTE67_EXCOMB	RT	SIGN	EA	1	W6-3
82	567+50		RTE67_EXCOMB	RT	SIGN	EA	1	R4-7
82	21+50		WOR	RT/LT	SIGN	EA	2	W14-1
82	25+80		WOR	RT/LT	SIGN	EA	3	OM4-1
82	580+10		US67 SB	RT	SIGN	EA	1	R4-17
82	579+00		US67 SB	LT	SIGN	EA	1	W6-1
82	583+50		US67 SB	LT	SIGN	EA	1	W6-3
82	37+40		EOR	LT	SIGN	EA	1	R4-7
82	39+10		EOR	LT	SIGN	EA	1	W6-1
82	585+20		US67 SB	RT	SIGN	EA	1	STRUCTURAL SIGN (R&RELOC.)
82	42+50		EOR	RT	SIGN	EA	1	R4-17
82	42+65		EOR	LT	SIGN	EA	1	R4-1 (R&RELOC.)
83	592+00		US67 SB	LT	SIGN	EA	1	R2-1
83			CR360		SIGN	EA	1	W14-1
83	569+10		RTE67_EXCOMB	RT	SIGN	EA	2	COUNTY SIGN (R&RELOC.)
83	570+05		RTE67_EXCOMB	RT	SIGN	EA	1	R1-1
84	582+90		RTE67_EXCOMB	LT	SIGN	EA	1	R4-7B
84	584+90		RTE67_EXCOMB	LT	SIGN	EA	1	STRUCTURAL SIGN
85	622+40		RTE67_EXCOMB	RT	SIGN	EA	2	COUNTY SIGN (R&RELOC.)
85	622+80.00		RTE67_EXCOMB	RT	SIGN	EA	1	R1-1
90	531+98	539+00	RTE67_EXCOMB	RT	36" SURFACE MOUNT DELINEATOR POST	EA	18	
92	539+00	552+00	RTE67_EXCOMB	RT	36" SURFACE MOUNT DELINEATOR POST	EA	33	
94	552+00	560+13.6	RTE67_EXCOMB	RT	36" SURFACE MOUNT DELINEATOR POST	EA	21	
REMOVAL OF TREES AND BRUSH FELLED DURING UTILITY INSTALLATION TO BE INCIDENTAL TO REMOVAL OF IMPROVEMENTS								
TOTAL = 1 LUMP SUM								

2 REVISÉ

NOTES:
 1. CLEARING AND REMOVAL OF DEBRIS AND STRUCTURES WITHIN RIGHT OF WAY AND EASEMENTS IS INCIDENTAL TO REMOVAL OF IMPROVEMENTS.
 2. SAWCUTS FOR PAVEMENT REMOVAL ARE INCIDENTAL TO REMOVAL OF IMPROVEMENTS.

ROUTE 67
 SUMMARY OF QUANTITIES
 SHEET 2 OF 17



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
 9/12/2024

ROUTE 67 STATE MO
 DISTRICT SE SHEET NO. 3

COUNTY BUTLER

JOB NO. J9P3764

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION
8/29/24	REVISION #2

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-278-6636)

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 1001 WEST WASHINGTON ST. #100
 SPRINGFIELD, MO 65807 (417) 869-6009
 ENGINEERING CORPORATION - 000631

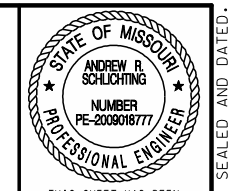
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EARTHWORK

SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	CUT (CUYD)	FILL (CUYD)	CLASS A EXCAVATION (CUYD)	EMBANKMENT IN PLACE (CUYD)	COMPACTING EMBANKMENT (CUYD)	COMPACTING IN CUT (STA)	CLASS 3 EXCAVATION (CUYD)	LINEAR GRADING CLASS 2 (STA)	REMARKS
4	21+00	23+66.59	PRWOR3	LT/RT	1280	140							WOR START
4	577+00	579+00	RTE67-SB	LT/RT	2,472	1,142							NB67,SB67,WOR,EOR
5	579+00	592+00	RTE67-SB	LT/RT	7,453	21,255							NB67,SB67,WOR,EOR
6	592+00	602+39.17	RTE67-SB	LT/RT	15,102	14,038							NB67,SB67,WOR,EOR
6	602+39.17	605+00	PR67-3	LT/RT	7,040	1,024							NB67,SB67,WOR
7	605+00	618+00	PR67-3	LT/RT	59,476	15,877							NB67,SB67,WOR
8	618+00	631+00	PR67-3	LT/RT	9,513	4,029							NB67,SB67,WOR
9	631+00	644+00	PR67-3	LT/RT	647	17,683							NB67,SB67,WOR
10	644+00	657+00	PR67-3	LT/RT	6,103	12,216							NB67,SB67,WOR
11	657+00	660+75.00	PR67-3	LT/RT	4,898	402							NB67,SB67,WOR
				SUBTOTAL	113,985	87,806	113,985	0	87,806				
								-9,081					EXCESS EMBANKMENT AVAILABLE FROM RDWY GRADING
7	611+00		PR67-3	RT	581	1,308	581	1,308					ADD QTY POND STA. 611+00
8	624+00		PR67-3	RT	846	1,904	846	1,904					ADD QTY POND STA. 624+00
10	655+00		PR67-3	LT/RT	3,605	8,113	3,605	8,113					ADD QTY POND STA. 655+00
4	31+82.41	32+28.95	EOR_6E	LT/RT						0.5			
4	21+00.00	25+68.23	PRWOR3	LT/RT						4.7			
5	588+39.84	589+41.66	RTE67-SB	LT/RT						1.0			
5	6010+96.28	6012+63.77	RTE67-NB	LT/RT						1.7			
6	597+89.20	612+71.50	RTE67-SB	LT/RT						14.8			
6	41+88.22	45+19.05	PRWOR3	LT/RT						3.3			
7	10+28.27	11+88.27	PR360_NEW	LT/RT						1.6			
7	53+00.83	56+98.60	PRWOR3	LT/RT						4.0			
7	58+10.94	58+74.50	PRWOR3	LT/RT						0.6			
7	64+59.30	67+40.66	PRWOR3	LT/RT						2.8			
10	646+48.11	646+63.15	PR67-3	LT/RT						0.2			
10	654+34.86	654+75.09	PR67-3	LT/RT						0.4			
10	94+00.00	94+09.15	PRWOR3	LT/RT						0.1			
5	591+44.52	591+44.52	RTE67-SB	RT			1,900						ROCK DISSIPATOR
6	604+39.91	604+39.91	PR67-3	RT			2,853						ROCK DISSIPATOR
4	25+21.00		PRWOR3	RT								0.6	
4	32+09.43		EOR_6E	LT								0.5	
5	27+20.36		PRWOR3	RT								0.5	
5	33+85.34		PRWOR3	RT								0.4	
5	37+00.00		PRWOR3	RT								0.7	
5	38+74.76		PRWOR3	RT								0.8	
5	34+48.62		EOR_6E	LT								0.6	
5	35+98.51		EOR_6E	LT								0.3	
5	36+85.39		EOR_6E	LT								0.3	
5	38+80.20		EOR_6E	LT								0.2	
5	40+27.78		EOR_6E	LT								0.2	
5	41+30.12		EOR_6E	LT								0.2	
5	43+86.27		EOR_6E	LT								0.3	
7	52+50.00		PRWOR3	RT								0.3	
7	10+28.27		PR360_NEW	LT/RT								1.6	
7	57+00.00		PRWOR3	RT								0.3	
8	68+00.00		PRWOR3	RT								0.3	
8	71+65.40		PRWOR3	RT								0.3	
8	74+55.86		PRWOR3	RT								0.3	
8	76+00.00		PRWOR3	RT								0.4	
8	77+50.00		PRWOR3	RT								0.4	
9	81+30.00		PRWOR3	RT								0.3	
10	92+25.00		PRWOR3	RT								0.3	
10	95+00.25		PRWOR3	RT								0.4	
10	102+00.00		PRWOR3	RT								0.3	
11	105+50.00		PRWOR3	RT								0.3	
11	12+07.00		PCRD338	LT/RT								0.9	
													ALL QUANTITIES ASSUME 15% SHRINK WHEN RECOMPACTING
											1,721		*TOTAL FRM PIPE SCHEDULE
											376		*TOTAL FROM STRUCTURE SCHEDULE
											815		*TOTAL FROM DRIVEWAY SCHEDULE
				TOTALS	123,770	2,244	87,806	35.7	2,912	12.0			

REVISED

REVISED



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
9/12/2024
ROUTE 67 STATE MO
DISTRICT SE SHEET NO. 3

COUNTY BUTLER
JOB NO. J9P3764
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION
9/11/24	REVISION #2

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-278-6636)

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SPRINGFIELD, MO 65807 (417) 869-6009

ROUTE 67
SUMMARY OF QUANTITIES
SHEET 4 OF 17

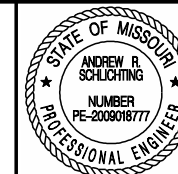
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2 REVISED

BASE									
SHEET	FROM STATION	TO STATION	BASELINE	LOCATION	MODIFIED SUBGRADE (SQYD)	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SQYD)	MODIFIED ROCK BASE (SQYD)	REMARKS	
4	577+00.00	579+00.00	SB US67	CL	691		690.7	ALTERNATE A/B PAVEMENTS	
4	6000+00.00	6002+00.00	NB US67	CL	703		703.1		
5	579+00.00	592+00.00	SB US67	CL	4,688		4,563.7		
5	6002+00.00	6015+00.00	NB US67	CL	4,954		4,829.7		
6	592+00.00	602+39.17	SB US67	CL	3,870		3,697.4		
6	6015+00.00	6025+33.11	NB US67	CL	3,658		3,441.9		
6	602+39.17	605+00.00	PROPOSED US67	BOTH	1,782		1,738.9		
7	605+00.00	618+00.00	PROPOSED US67	BOTH	9,100		8,666.7		
8	618+00.00	631+00.00	PROPOSED US67	BOTH	9,100		8,666.7		
9	631+00.00	644+00.00	PROPOSED US67	BOTH	9,100		8,666.7		
10	644+00.00	657+00.00	PROPOSED US67	BOTH	9,100		8,666.7		
11	657+00.00	660+75.00	PROPOSED US67	BOTH	2,500		2,500.0		
4	577+00.00	579+00.00	SB US67	CL	213		179.1	ALTERNATE C/D SHOULDERS	
4	6000+00.00	6002+00.00	NB US67	CL	198		198.0		
5	579+00.00	592+00.00	SB US67	CL	1,375		1,157.8		
5	6002+00.00	6015+00.00	NB US67	CL	1,398		1,314.7		
6	592+00.00	602+39.17	SB US67	CL	1,143		925.5		
6	6015+00.00	6025+33.11	NB US67	CL	1,143		917.0		
6	602+39.17	605+00.00	PROPOSED US67	BOTH	464		463.7		
7	605+00.00	618+00.00	PROPOSED US67	BOTH	2,744		2,311.1		
8	618+00.00	631+00.00	PROPOSED US67	BOTH	2,744		2,311.1		
9	631+00.00	644+00.00	PROPOSED US67	BOTH	2,744		2,311.1		
10	644+00.00	657+00.00	PROPOSED US67	BOTH	2,744		2,311.1		
11	657+00.00	660+79.52	PROPOSED US67	BOTH	792		666.7		
4	30+99.75	33+00.00	EAST OUTER ROAD	CL	693	1,330		ALTERNATE E/F PAVEMENTS	
4	21+00.00	26+00.00	WEST OUTER ROAD	CL	1,762	3,244			
5	33+00.00	45+00.00	EAST OUTER ROAD	CL	4,204	7,964			
5	26+00.00	39+00.00	WEST OUTER ROAD	CL	4,622	8,088			
6	39+00.00	52+00.00	WEST OUTER ROAD	CL	4,622	8,088			
7	52+00.00	65+00.00	WEST OUTER ROAD	CL	4,896	8,612			
8	65+00.00	78+00.00	WEST OUTER ROAD	CL	4,622	8,088			
9	78+00.00	91+00.00	WEST OUTER ROAD	CL	4,622	8,088			
10	91+00.00	104+00.00	WEST OUTER ROAD	CL	4,622	8,088			
11	104+00.00	107+67.57	WEST OUTER ROAD	CL	1,558	2,828			
4	32+09.43	0+00.00	EOR	LEFT		20			DRIVEWAYS
4	25+21.00	0+00.00	WOR	RIGHT		57			
5	37+00.00	0+00.00	WOR	RIGHT		54			
5	33+85.34	0+00.00	WOR	RIGHT		52			
5	37+00.00	0+00.00	WOR	RIGHT		28			
5	38+74.76	0+00.00	WOR	RIGHT		30			
5	34+48.62	0+00.00	EOR	LEFT		21			
5	35+98.51	0+00.00	EOR	LEFT		18			
5	36+85.39	0+00.00	EOR	LEFT		18			
5	38+80.20	0+00.00	EOR	LEFT		10			
5	40+27.78	0+00.00	EOR	LEFT		9			
5	41+30.12	0+00.00	EOR	LEFT		10			
5	43+86.27	0+00.00	EOR	LEFT		13			
7	52+50.00	0+00.00	WOR	RIGHT		13			
7	57+00.00	0+00.00	WOR	RIGHT		13			
8	71+65.40	0+00.00	WOR	RIGHT		13			
8	74+55.86	0+00.00	WOR	RIGHT		11			
8	76+00.00	0+00.00	WOR	RIGHT		15			
8	77+50.00	0+00.00	WOR	RIGHT		29			
9	81+30.00	0+00.00	WOR	RIGHT		13			
10	92+25.00	0+00.00	WOR	RIGHT		20			
10	95+00.25	0+00.00	WOR	RIGHT		15			
10	102+00.00	0+00.00	WOR	RIGHT		11			
11	105+50.00	0+00.00	WOR	RIGHT		11			
7	10+28.26	11+46.82	PR360	LT/RT		36			
TOTAL					113,286	64,958	71,899.1		

2 REVISED

ROUTE 67
SUMMARY OF QUANTITIES
SHEET 5 OF 17



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
9/12/2024

ROUTE STATE
67 MO

DISTRICT SHEET NO.
SE 3

COUNTY
BUTLER

JOB NO.
J9P3764

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION	REVISION #
9/11/24		

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-278-6636)

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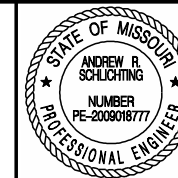
PAVEMENT MARKING (CONT'D)									
PAVEMENT MARKING SHEET	STA	STA	ALIGN	6"	6"	12"	4"	4"	REMARKS
				WHITE LF	YELLOW LF	WHITE LF	WHITE LF	YELLOW LF	
14	644+00	657+00	PR67-3	650					NB & SB RTE 67 INTER WHITE LANE LINE
14	644+00	657+00	PR67-3	2,600					NB & SB RTE 67 EDGELINE
14	644+00	657+00	PR67-3		2,600				NB & SB RTE 67 EDGELINE
14	91+00	104+00	PRWOR3				2,600		LT & RT WEST OUTER ROAD EDGE LINE
14	91+00	104+00	PRWOR3					2,600	LT & RT WEST OUTER ROAD DOUBLE CENTERLINE
15	657+00	660+75	PR67-3	188					NB & SB RTE 67 INTER WHITE LANE LINE
15	657+00	660+75	PR67-3	750					NB & SB RTE 67 EDGELINE
15	657+00	660+75	PR67-3		750				NB & SB RTE 67 EDGELINE
15	104+00	107+64.11	PRWOR3				616		LT & RT WEST OUTER ROAD EDGE LINE
15	104+00	107+64.11	PRWOR3					613	LT & RT WEST OUTER ROAD DOUBLE CENTERLINE
			SUBTOTAL 2	4,188	3,350	0	3,216	3,213	
			SUBTOTAL 1	22,590	12,995	687	17,202	17,201	
			TOTAL	26,778	16,345	687	20,418	20,414	

PAVEMENT UNDERDRAINAGE						
SHEET	STA	STA	ALIGN.	PIPE AGGREGATE PAVEMENT EDGE DRAIN (LF)	OUTLET PIPES AND SPLASH PADS (EA)	REMARKS
8-11	620+00	660+75	PR67-3	8,150		PROPOSED 67 NB & SB OUTSIDE LANES
8	620+00		PR67-3		2	NB & SB OUTER LANE OUTLET
8	622+50		PR67-3		2	NB & SB OUTER LANE OUTLET
8	625+00		PR67-3		2	NB & SB OUTER LANE OUTLET
8	627+50		PR67-3		2	NB & SB OUTER LANE OUTLET
8	630+00		PR67-3		2	NB & SB OUTER LANE OUTLET
9	632+50		PR67-3		2	NB & SB OUTER LANE OUTLET
9	635+00		PR67-3		2	NB & SB OUTER LANE OUTLET
9	637+50		PR67-3		2	NB & SB OUTER LANE OUTLET
9	640+00		PR67-3		2	NB & SB OUTER LANE OUTLET
9	642+50		PR67-3		2	NB & SB OUTER LANE OUTLET
10	645+00		PR67-3		2	NB & SB OUTER LANE OUTLET
10	647+50		PR67-3		2	NB & SB OUTER LANE OUTLET
10	650+00		PR67-3		2	NB & SB OUTER LANE OUTLET
10	652+50		PR67-3		2	NB & SB OUTER LANE OUTLET
10	655+00		PR67-3		2	NB & SB OUTER LANE OUTLET
11	657+50		PR67-3		2	NB & SB OUTER LANE OUTLET
11	660+00		PR67-3		2	NB & SB OUTER LANE OUTLET
			TOTAL	8,150	34	

2 DELETED

DRAINAGE MISC.				
SHEET	STATION	ROADWAY	CULVERT CLEANOUT (EA)	REMARKS
5	581+00.00	RTE67_EXCOMB	2	24" PIPE BETWEEN H107 AND F108
6	596+00.00	RTE67_EXCOMB	1	24" PIPE UNDER EXISTING US67
7	608+60.00	PR67-3	1	18" PIPE UNDER EXISTING US67
8	629+70.00	PR67-3	1	36" PIPE UNDER EXISTING US67
11	660+35.00	PR67-3	1	3' X 2' BOX UNDER EXISTING US67
		TOTALS	6	

ROUTE 67
SUMMARY OF QUANTITIES
SHEET 9 OF 17



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED
9/12/2024

ROUTE STATE
67 MO

DISTRICT SHEET NO.
SE 3

COUNTY
BUTLER

JOB NO.
J9P3764

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION
9/11/24	REVISION #2

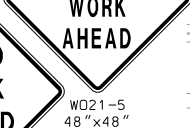
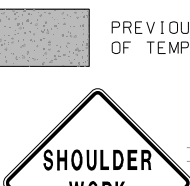
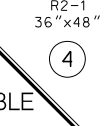
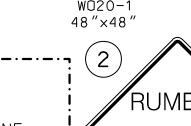
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105 WEST CAPITOL JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-278-6636)



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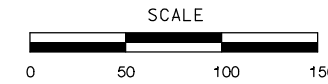
TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ▲ FLAGGER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER
- ||||| TEMPORARY LONG TERM RUMBLE STRIPS
- ▬ BARRICADE
- ▬ CHANGEABLE MESSAGE BOARD
- ▬ LOCATION AND MESSAGE OF CMS TO BE DETERMINED BY ENGINEER. CMS PLACED BEHIND 5 CHANNELIZER TAPER AT 20' INTERVALS (INCIDENTAL TO CMS)
- ◆ EXISTING TUBULAR MARKER (USE IN PLACE)



PREVIOUS CONSTRUCTION OF TEMPORARY PAVEMENT

COLDMILL/OVERLAY & WEDGE



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Paul J. Kronlage
08/22/2024 8:03:57 AM
Paul J. Kronlage - Civil
MO PE - 023328

DATE PREPARED
8/20/2024

ROUTE 67 STATE MO
DISTRICT SE SHEET NO. 64

COUNTY BUTLER
JOB NO. J9P3764
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

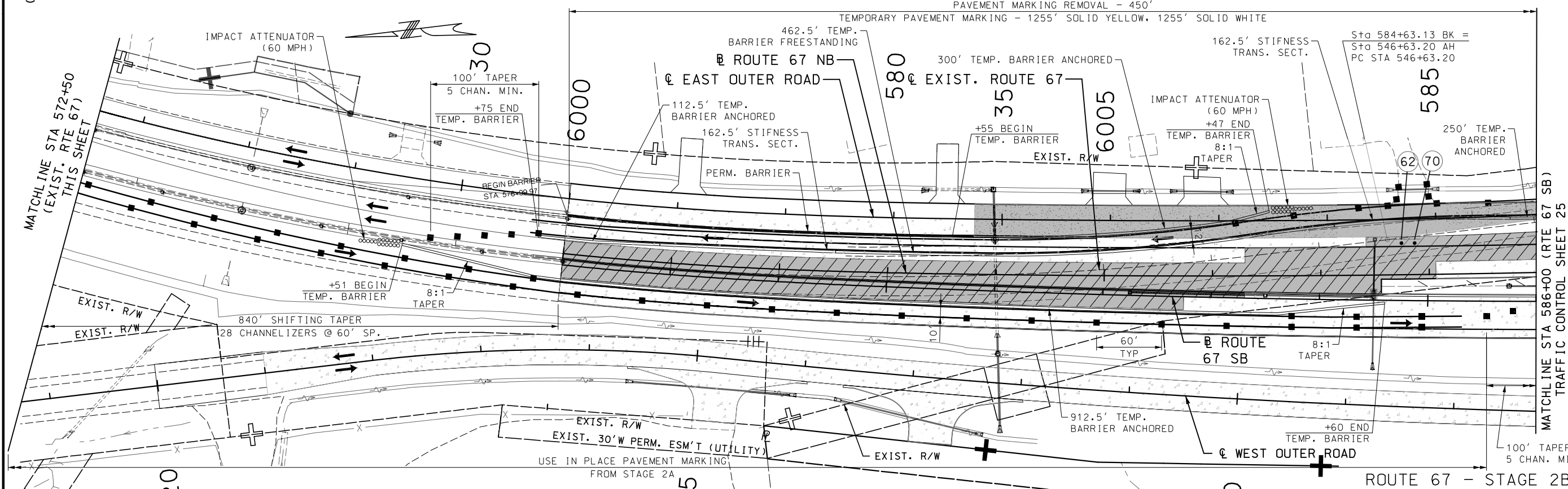
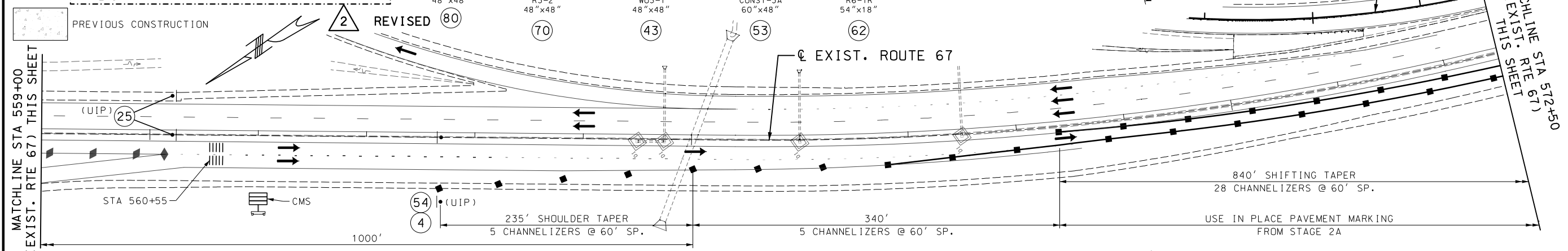
DATE	DESCRIPTION
8/20/24	REVISION 2

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT

EFK Moen
Civil Engineering Design
13523 Barrett Parkway Dr
Suite 250
St. Louis, MO 63021
Phone 314-394-3100
Fax 314-394-3199
Missouri Certificate of Authority: 001578

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

STAGE 2B:
SOUTHBOUND LANES SHALL CONTINUE TO USE THE NEWLY CONSTRUCTED US-67 (CONTINUES WITH PROJECT J9P3751). A SINGLE NORTHBOUND LANE SHALL BE MAINTAINED ON EXISTING US-67 (EXISTING US-67 SHALL OPERATE AS ONE-WAY ON THIS STAGE FROM APPROX. STA. 563+00 NORTH). CONSTRUCT US-67 BETWEEN THE NORTHBOUND AND SOUTHBOUND TRAFFIC NORTH OF STA. +587+50 (SB RTE 67).

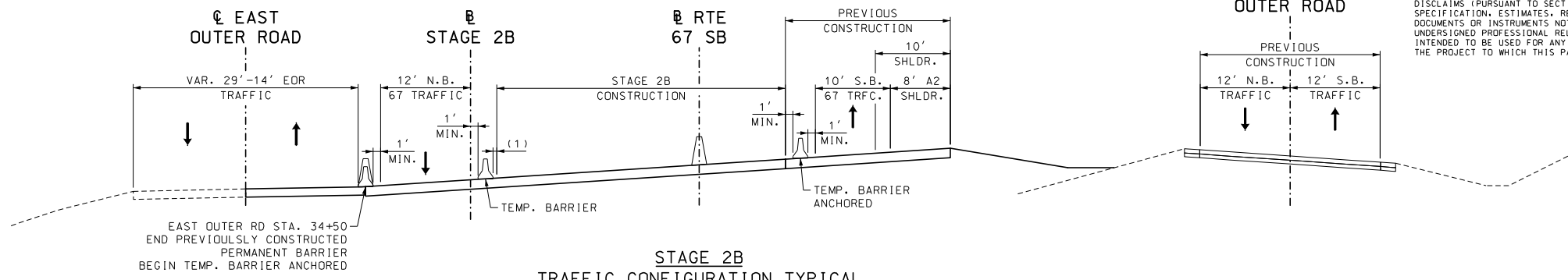


TCP GENERAL NOTES:
SEE TRAFFIC CONTROL SHEET 24 FOR GENERAL NOTES.

ROUTE 67 - STAGE 2B
TRAFFIC CONTROL
SHEET 23 OF 31

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- ▲ FLAGGER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER
- ≡≡≡ TEMPORARY LONG TERM RUMBLE STRIPS
- ⎓ BARRICADE
- CHANGEABLE MESSAGE BOARD
- LOCATION AND MESSAGE OF CMS TO BE DETERMINED BY ENGINEER. CMS PLACED BEHIND 5 CHANNELIZER TAPER AT 20' INTERVALS (INCIDENTAL TO CMS)
- ◆ EXISTING TUBULAR MARKER (USE IN PLACE)
- ▬ PAVEMENT EDGE TREATMENT

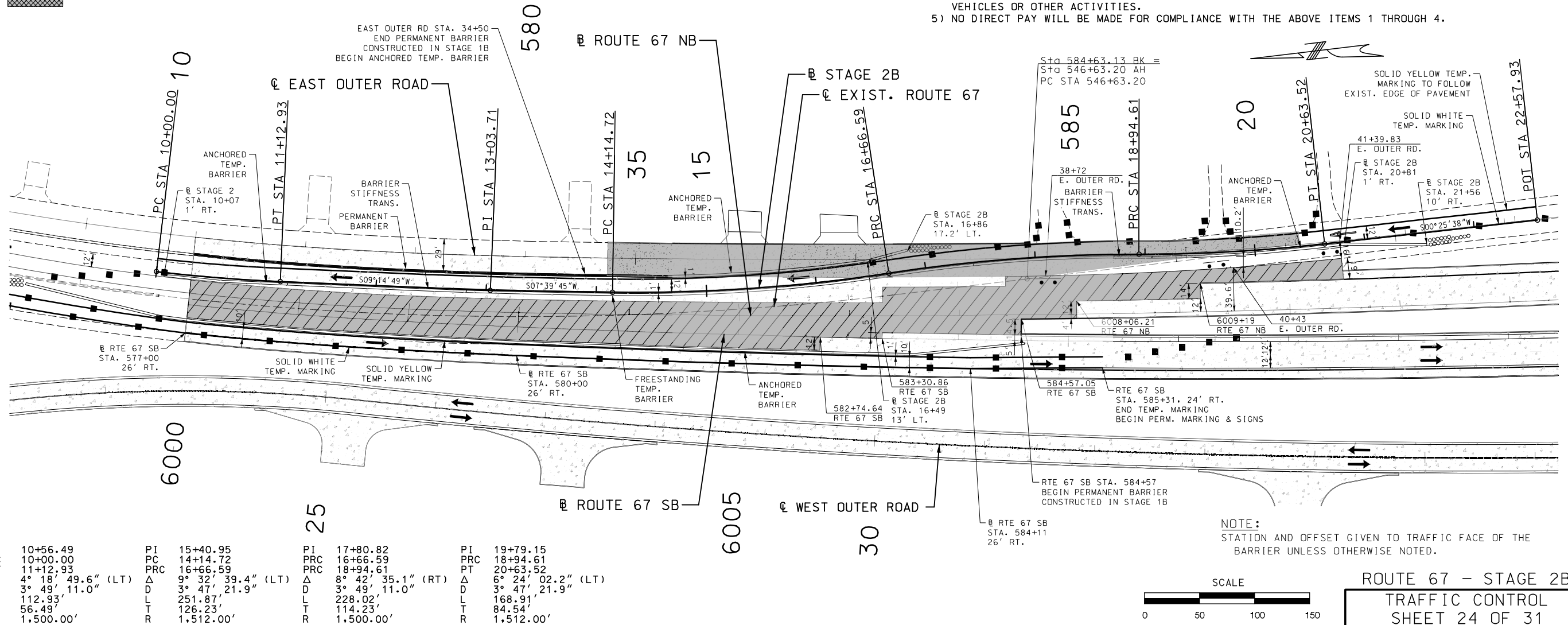


NOTES:
 (1) 0.5' MINIMUM OFFSET REQUIRED @ STAGE
 2A STA. 10+07 TO STA. 11+20.
 3' MINIMUM OFFSET REQUIRED @ STAGE 2A
 STA. 11+20 TO STA. 21+56.

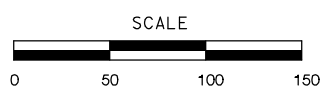
- TCP GENERAL NOTES:**
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES.
 - THE CONTRACTOR MAY BE REQUIRED TO PROVIDE TEMPORARY CONNECTIONS TO DRIVEWAYS. NO DIRECT PAYMENT SHALL BE MADE FOR ANY LABOR, MATERIALS OR EQUIPMENTS NECESSARY TO MAINTAIN ACCESS.
 - THE CONTRACTOR SHALL CONSTRUCT DITCHES AS DIRECTED BY THE ENGINEER TO PREVENT PONDING DURING STAGING OPERATIONS. PERMANENT DRAINAGE STRUCTURES SHALL BE BUILT IN STAGES AND USED WHENEVER POSSIBLE TO ELIMINATE PONDING DURING STAGED CONSTRUCTION. TEMPORARY PITS MAY BE NEEDED TO PREVENT WATER FROM TRAVELING ACROSS ROADWAYS, AND TO TIE EXISTING DRAINAGE STRUCTURES TO NEW STRUCTURES TEMPORARILY. TEMPORARY SHORING, PIPE, AN APPURTENANCES MAY BE REQUIRED TO PROVIDE ADEQUATE DRAINAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAGE CONSTRUCTION OF TEMPORARY AND PERMANENT DRAINAGE TO PREVENT PONDING AND DAMAGE TO WORK, AS APPROVED BY THE ENGINEER.
 - DUE TO PAVEMENT THICKNESS, THE CONTRACTOR SHALL NOT USE THE NEW WEST OUTER ROAD FOR HAULING MATERIAL OR EQUIPMENT TO AND FROM THE PROJECT SITE. THE NEW OUTER ROAD AND OLD ROUTE 67 SHALL REMAIN CLEAR OF MUD AND DEBRIS ON A DAILY BASIS. THE CONTRACTOR SHALL OBTAIN THE ENGINEER'S WRITTEN APPROVAL SEVEN (7) DAYS PRIOR TO USING THE NEW OUTER ROAD FOR ANY CONSTRUCTION VEHICLES OR OTHER ACTIVITIES.
 - NO DIRECT PAY WILL BE MADE FOR COMPLIANCE WITH THE ABOVE ITEMS 1 THROUGH 4.

STAGE 2B:
 SOUTHBOUND LANES SHALL CONTINUE TO USE THE NEWLY CONSTRUCTED US-67 (CONTINUES WITH PROJECT J9P3751). A SINGLE NORTHBOUND LANE SHALL BE MAINTAINED ON EXISTING US-67 (EXISTING US-67 SHALL OPERATE AS ONE-WAY ON THIS STAGE FROM APPROX. STA. 563+00 NORTH). CONSTRUCT US-67 BETWEEN THE NORTHBOUND AND SOUTHBOUND TRAFFIC NORTH OF STA. +587+50 (SB RTE 67).

- ▨ PREVIOUS CONSTRUCTION
- ▩ PREVIOUS CONSTRUCTION OF TEMPORARY PAVEMENT
- ▩ COLDMILL/OVERLAY & WEDGE



PI	10+56.49	PI	15+40.95	PI	17+80.82	PI	19+79.15
PC	10+00.00	PC	14+14.72	PC	16+66.59	PC	18+94.61
PT	11+12.93	PT	16+66.59	PT	18+94.61	PT	20+63.52
Δ	4° 18' 49.6" (LT)	Δ	9° 32' 39.4" (LT)	Δ	8° 42' 35.1" (RT)	Δ	6° 24' 02.2" (LT)
D	3° 49' 11.0"	D	3° 47' 21.9"	D	3° 49' 11.0"	D	3° 47' 21.9"
L	112.93'	L	251.87'	L	228.02'	L	168.91'
T	56.49'	T	126.23'	T	114.23'	T	84.54'
R	1,500.00'	R	1,512.00'	R	1,500.00'	R	1,512.00'



ROUTE 67 - STAGE 2B
 TRAFFIC CONTROL
 SHEET 24 OF 31

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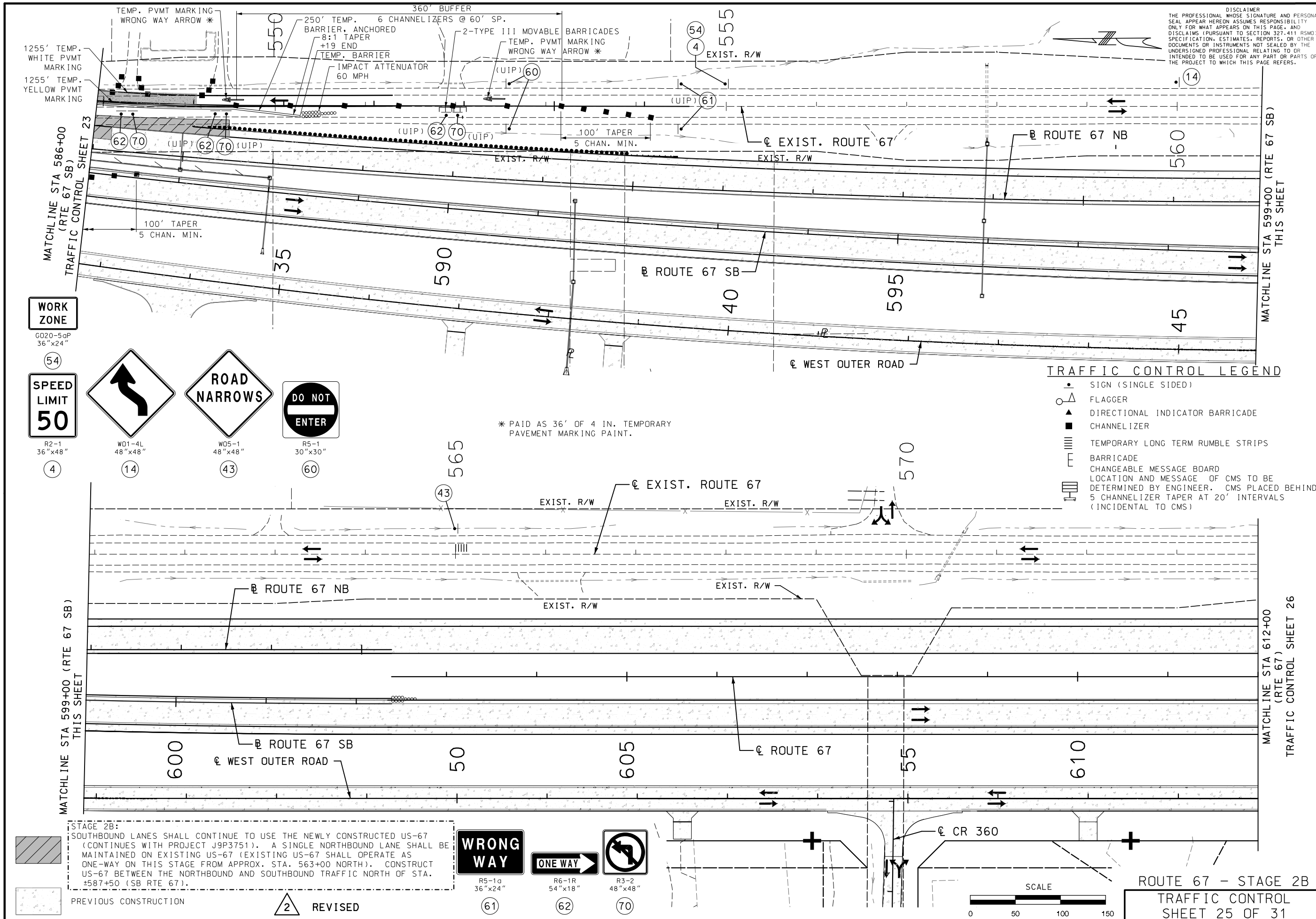
DATE PREPARED
8/20/2024
 ROUTE 67 STATE MO
 DISTRICT SE SHEET NO. 65
 COUNTY BUTLER
 JOB NO. J9P3764
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION
8/20/24	REVISION 2

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
MoDOT
 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT (1-888-278-6636)

EFK Moen
 Civil Engineering Design
 13523 Barrett Parkway Dr
 Suite 250 St. Louis, MO 63021
 Phone 314-394-3100
 Fax 314-394-3199
 Missouri Certificate of Authority: 001578



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DATE PREPARED
 8/20/2024
 ROUTE STATE
 67 MO
 DISTRICT SHEET NO.
 SE 66
 COUNTY
 BUTLER
 JOB NO.
 J9P3764
 CONTRACT ID.
 PROJECT NO.
 BRIDGE NO.

DATE	DESCRIPTION
8/20/24	REVISION 2

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 105 WEST CAPITOL
 JEFFERSON CITY, MO 65102
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ROUTE 67 - STAGE 2B
 TRAFFIC CONTROL
 SHEET 25 OF 31

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DATE PREPARED
 8/20/2024

ROUTE STATE
 67 MO
 DISTRICT SHEET NO.
 SE 67

COUNTY
 BUTLER
 JOB NO.
 J9P3764
 CONTRACT ID.

PROJECT NO.
 BRIDGE NO.

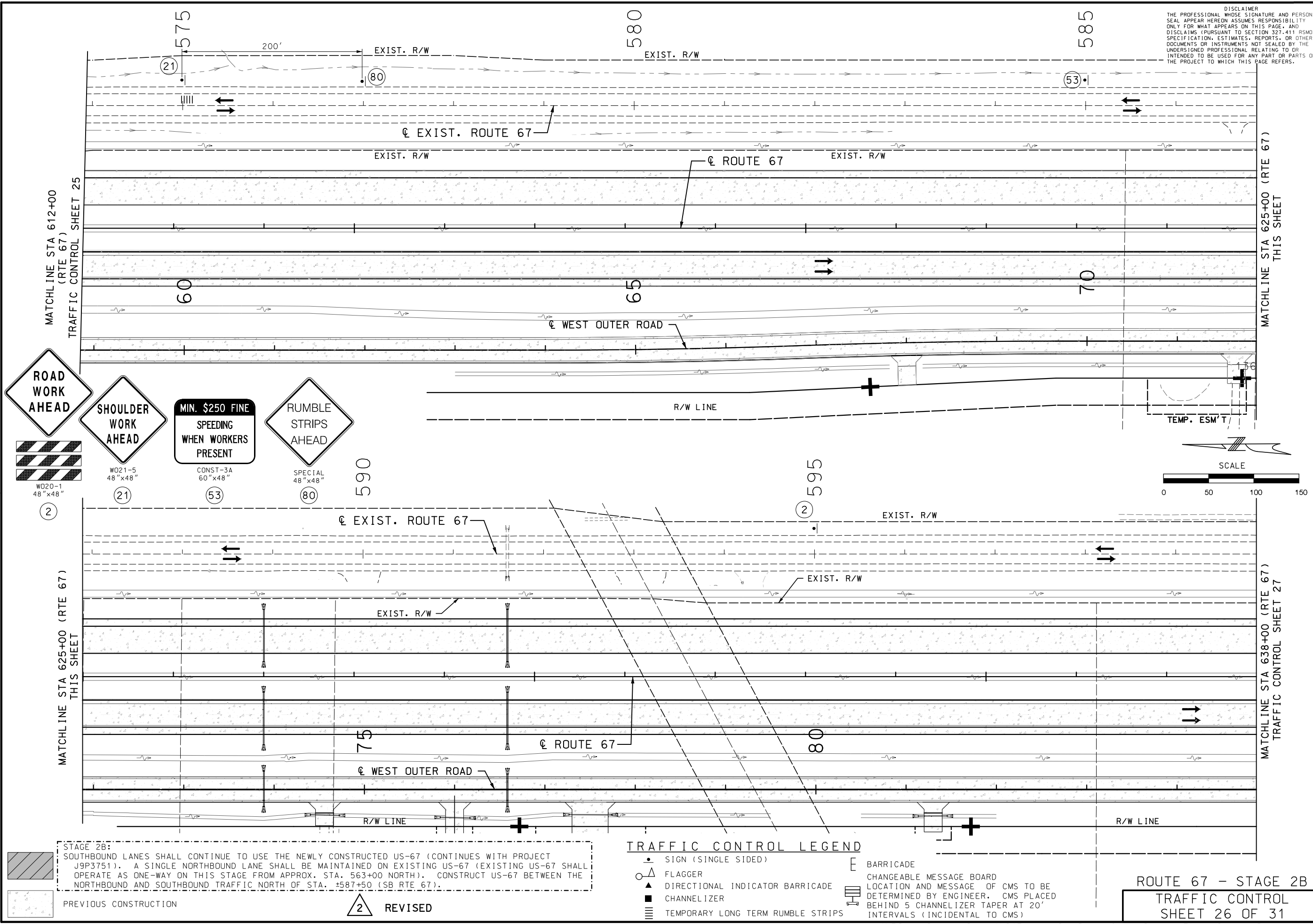
DATE	DESCRIPTION
8/20/24	REVISION 2

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

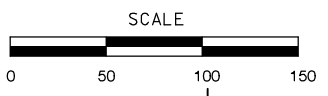
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IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



ROAD WORK AHEAD (W020-1 48"x48")
SHOULDER WORK AHEAD (W021-5 48"x48")
MIN. \$250 FINE SPEEDING WHEN WORKERS PRESENT (CONST-3A 60"x48")
RUMBLE STRIPS AHEAD (SPECIAL 48"x48")



STAGE 2B:
 SOUTHBOUND LANES SHALL CONTINUE TO USE THE NEWLY CONSTRUCTED US-67 (CONTINUES WITH PROJECT J9P3751). A SINGLE NORTHBOUND LANE SHALL BE MAINTAINED ON EXISTING US-67 (EXISTING US-67 SHALL OPERATE AS ONE-WAY ON THIS STAGE FROM APPROX. STA. 563+00 NORTH). CONSTRUCT US-67 BETWEEN THE NORTHBOUND AND SOUTHBOUND TRAFFIC NORTH OF STA. +587+50 (SB RTE 67).

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- FLAGGER
- ▲ DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER
- ▨ TEMPORARY LONG TERM RUMBLE STRIPS
- E BARRICADE
- CHANGEABLE MESSAGE BOARD
- LOCATION AND MESSAGE OF CMS TO BE DETERMINED BY ENGINEER. CMS PLACED BEHIND 5 CHANNELIZER TAPER AT 20' INTERVALS (INCIDENTAL TO CMS)

ROUTE 67 - STAGE 2B
TRAFFIC CONTROL
SHEET 26 OF 31

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ROUTE STATE
 67 MO

DISTRICT SHEET NO.
 SE 68

COUNTY
 BUTLER

JOB NO.
 J9P3764

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

REVISION 2

DATE
 8/20/24

DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102

1-888-ASK-MODOT (1-888-278-6636)

EFK Moen

Civil Engineering Design

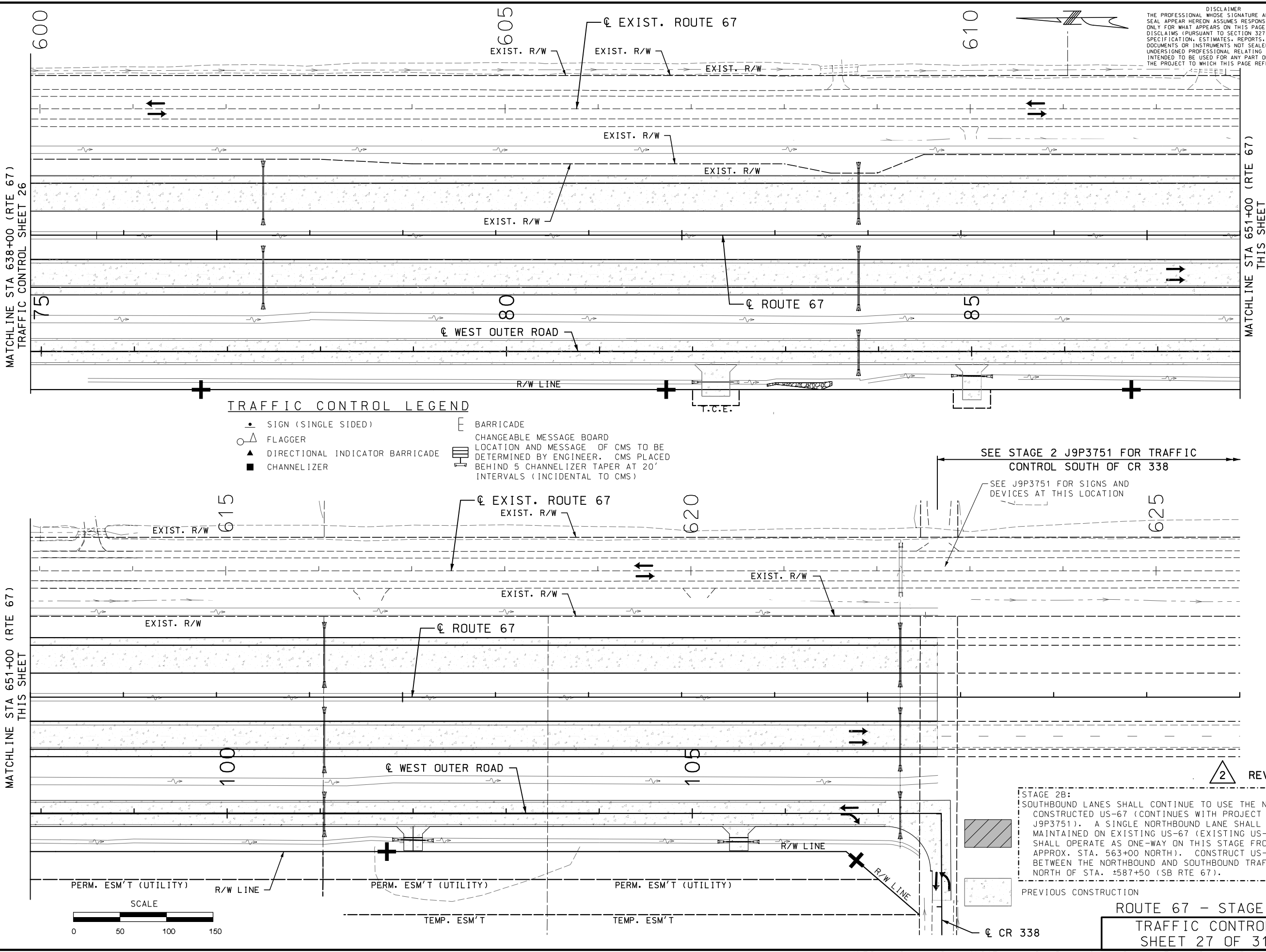
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REV.

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MATCHLINE STA 638+00 (RTE 67)
 TRAFFIC CONTROL SHEET 26

MATCHLINE STA 651+00 (RTE 67)
 THIS SHEET

MATCHLINE STA 651+00 (RTE 67)
 THIS SHEET

STAGE 2B:
 SOUTHBOUND LANES SHALL CONTINUE TO USE THE NEWLY CONSTRUCTED US-67 (CONTINUES WITH PROJECT J9P3751). A SINGLE NORTHBOUND LANE SHALL BE MAINTAINED ON EXISTING US-67 (EXISTING US-67 SHALL OPERATE AS ONE-WAY ON THIS STAGE FROM APPROX. STA. 563+00 NORTH). CONSTRUCT US-67 BETWEEN THE NORTHBOUND AND SOUTHBOUND TRAFFIC NORTH OF STA. +587+50 (SB RTE 67).

PREVIOUS CONSTRUCTION

ROUTE 67 - STAGE 2B
 TRAFFIC CONTROL
 SHEET 27 OF 31