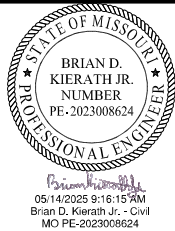


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DATE PREPARED
5/14/2025
ROUTE
100
STATE
MO
DISTRICT
SL
SHEET NO.
3
COUNTY
ST. LOUIS
JOB NO.
J6P3274
CONTRACT ID.

PROJECT NO.
BRIDGE NO.

DESCRIPTION	PAVEMENT REPAIR QUANTITIES REVISED
DATE	5/14/25

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

GBA

16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
314.231.0100
GBAteam.com

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 00059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

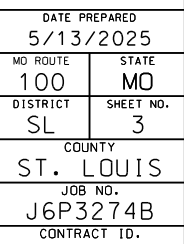
COLDMILLING AND PAVEMENT (2 OF 2)															
SHEET NO.	ROADWAY	STATION BEGIN	STATION END	LOCATION	TYPE A2 SHOULDER (SQYD)	BITUMINOUS PAVEMENT MIXTURE PG64-22 BP-1 (TON)	ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP095CLP MIX) (TON)	ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP125CLP MIX) (TON)	ASPHALTIC CONCRETE MIXTURE PG 76-22 (SP190C MIX) (TON)	CONCRETE PAVEMENT 10.5 IN NON-REINFORCED 15 FT. JOINTS (SQYD)	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) (SQYD)	TACK COAT (GAL)	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS) (SQYD)	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (GREATER THAN 3 IN. THICK) (SQYD)	REMARKS
49-58	WB RTE 100	1425+39.59	1474+31.53	BL	-	-	2154.92	-	-	-	-	2317.29	23172.91	-	-
53-58	WB RTE 100	1474+31.53	1443+75.13	LT	-	-	183.57	-	-	-	-	197.41	1974.07	-	-
50-51	WB RTE 100	1430+68.02	1431+43.00	RT	-	-	5.85	-	-	-	-	6.29	62.88	-	-
52	WB RTE 100	1437+99.57	1439+99.38	RT	-	-	7.59	-	-	-	-	8.16	81.59	-	-
53-58	WB RTE 100	1445+86.57	1465+55.43	LT	-	-	183.91	-	-	-	-	197.77	1977.68	-	-
54-56	WB RTE 100	1449.95.60	1457+70.44	RT	-	-	79.57	-	-	-	-	85.56	855.60	-	-
57-58	WB RTE 100	1464+38.47	1474+20.98	LT	-	-	90.21	-	-	-	-	97.01	970.08	-	-
58	WB RTE 100	1466+54.67	1474+31.53	RT	-	-	77.47	-	-	-	-	83.31	833.11	-	-
SUBTOTAL 2					0.00	0.00	2,783.09	0.00	0.00	0.00	0.00	2,992.79	29,927.92	0.00	
SUBTOTAL 1					1,305.49	4,332.14	0.00	13,852.07	20,363.36	1,505.72	1,505.72	22,778.87	21,426.58	124,219.70	
PROJECT TOTAL					1,305.5	4,332.1	2,783.1	13,852.1	20,363.4	1,505.7	1,506	25,772	51,355	124,220	

MGS GUARDRAIL													DATE	DESCRIPTION
SHEET NO.	ROADWAY	BEGIN STA.	END STA.	SIDE	MGS GUARDRAIL (LF)	MGS BRIDGE APPROACH TRANSITION SECTION (REGULAR/NO CURB) (EACH)	MGS END ANCHOR (EACH)	TYPE A CRASHWORTHY END TERMINAL (MASH) (EACH)	TYPE C CRASHWORTHY END TERMINAL (MASH) (EACH)	IMPACT ATTENUATOR 45 MPH (SAND BARREL ARRAY) (EACH)	CONCRETE TRAFFIC BARRIER, TYPE D (LF)	"SHAPING SLOPES CLASS III" (MODIFIED) (100FT)		
7	EB RTE 100	1408+84	1409+84	RT	75.0	1		1				2.15		
7	EB RTE 100	1409+65	1410+15	LT	25.0	1	1					0.78		
8	EB RTE 100	1413+04	1413+54	RT	25.0	1	1					0.78		
8	EB RTE 100	1413+34	1414+09	LT	50.0	1		1				1.90		
10	EB RTE 100	1426+78	1427+15.5	LT	12.5	1		1				1.53		
10	EB RTE 100	1426+92	1427+29	RT	0.0	1		1				1.40		
19	RTE 100	1470+34		RT						1				
24	RTE 100	1492+80	1493+55	RT	75.0	1		1				2.15		
24	RTE 100	1493+55	1493+91	LT	0.0						35.16	0.50		
24	RTE 100	1493+55	1493+91	RT	0.0						35.16	0.50		
24	RTE 100	1493+91	1494+13	LT	22.0				1			1.37		
31	RTE 100	1526+31	1527+49	LT	145.0		1	1				2.73		
31	RTE 100	1526+55	1527+40	RT	86.0		1	1				2.14		
46	WB RTE 100	1409+32	1409+69	LT	37.0	1		1				1.77		
47	WB RTE 100	1413+91	1413+91	RT	37.5	1		1				1.78		
47	WB RTE 100	1413+63	1413+63	RT	37.5	1		1				1.78		
53	WB RTE 100	1442+88	1443+76	LT	87.0			1				2.02		
56	WB RTE 100	1457+36	1457+73	RT	37.0			1				1.52		
SUBTOTAL					751.5	10	4	12	1	1	70.33	26.77		
PROJECT TOTAL					752	10	4	12	1	1	70	27		

PAVEMENT REPAIR										LOCATION OF PAVEMENT REPAIR TO BE AS DIRECTED BY THE ENGINEER
ROADWAY	STATION BEGIN	STATION END	LOCATION	FURNISHING AND PLACING CONCRETE MATERIAL FOR FULL DEPTH PAVEMENT REPAIR (SY)	SUBGRADE COMPACCTION (PAVEMENT REPAIR) (SY)	TYPE 1 OR 5 AGGREGATE FOR BASE (4 IN THICK) (PAVEMENT REPAIR) (SY)	FULL DEPTH PAVEMENT REPAIR SAW CUT (FOR PERIMETER AND INTERNAL SAW CUTS) (LF)	DOWEL BAR (DRILLING, FURNISHING, AND INSTALLATION) FOR FUL DEPTH PAVEMENT REPAIR (EACH)	TIE BAR (DRILLING, FURNISHING, AND INSTALLATION) FOR FULL DEPTH PAVEMENT REPAIR (TYPE L JOINTS) (EACH)	
RTE 100	1410+10.38	1592+85.69	R	3,869	369	369	14,772	9,232	259	
PROJECT TOTAL				3,869	369	369	14,772	9,232	259	

625.4	63	63	1,708	468	133
625.4	63	63	1,708	468	133

2 REVISED



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

 **MoDOT**

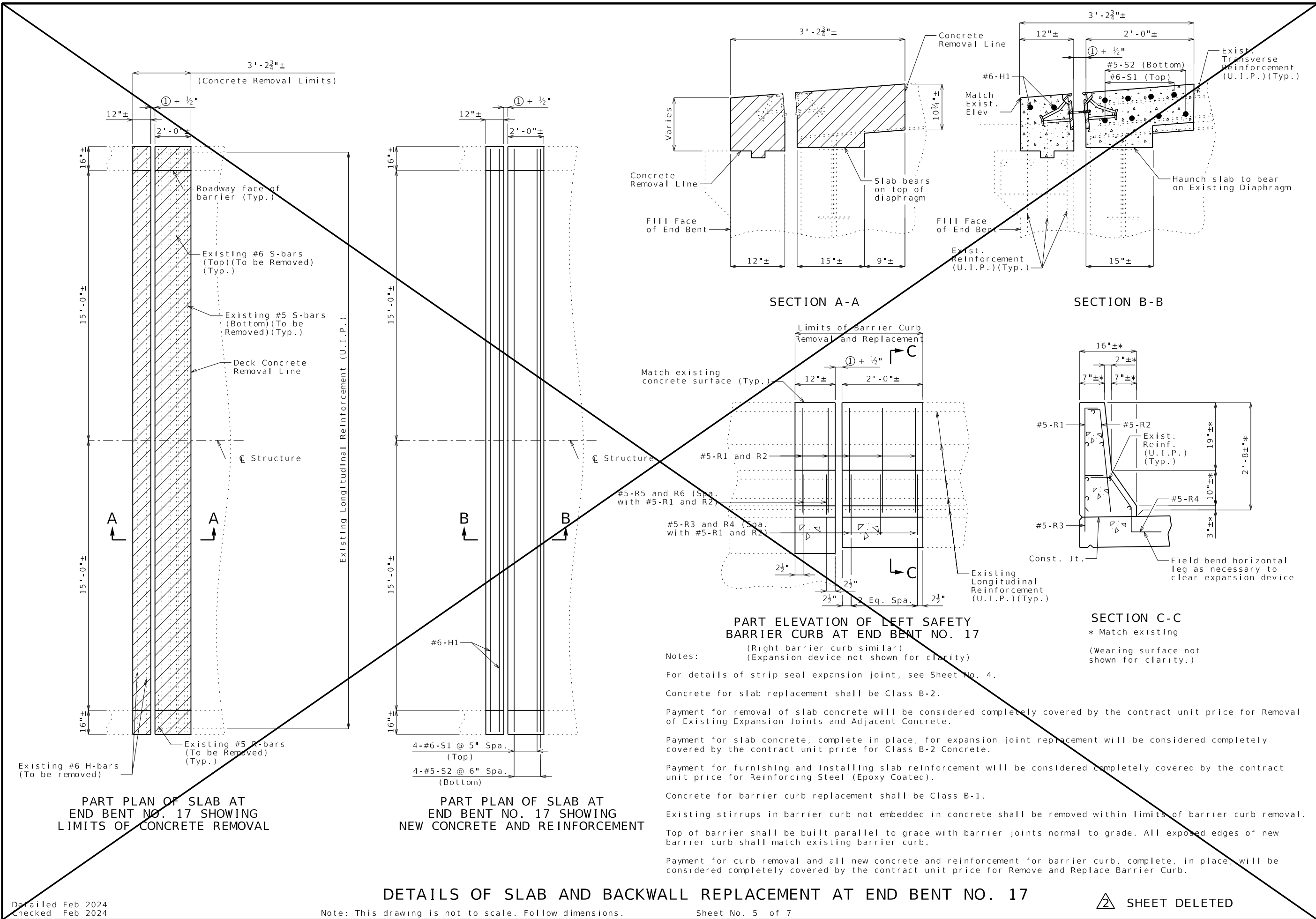
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

GEORGE BUTLER
ASSOCIATES, INC.
PRO. ENGINEER 000133
ARCHITECT 000212
PRO. LAND SURVEYOR 000059

BRIAN KIERATH
PROFESSIONAL
ENGINEER
PE-2023008624

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

REV.



STATE OF MISSOURI

RYAN G. HAGERTY

NUMBER

PE-2016034015

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

DATE PREPARED

1/28/2025

ROUTE

100

STATE

MO

DISTRICT

BR

SHEET NO.

5

COUNTY

ST. LOUIS

JOB NO.

J6P3274B

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

A56822

DESCRIPTION

Deleted Entire Sheet

DATE

5/13/25

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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

GBA

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ST. 300

CHESTERFIELD, MO 63017

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ARCHITECT 000212

PRO. LAND SURVEYOR 000059

RYAN G. HAGERTY

PROFESSIONAL

ENGINEER

PE-2016034015

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5/14/2025

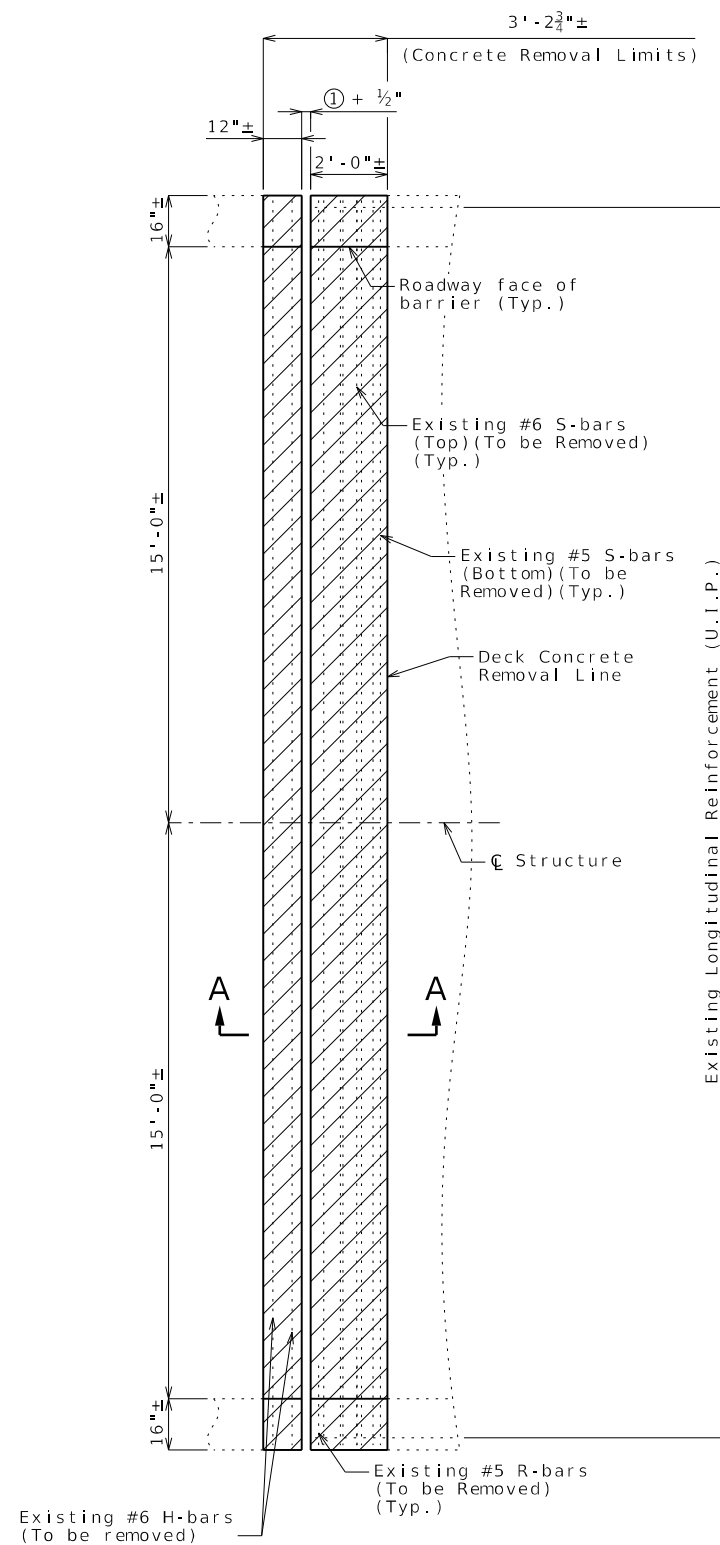
Detailed Feb 2024
Checked Feb 2024

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

Sheet No. 5 of 7

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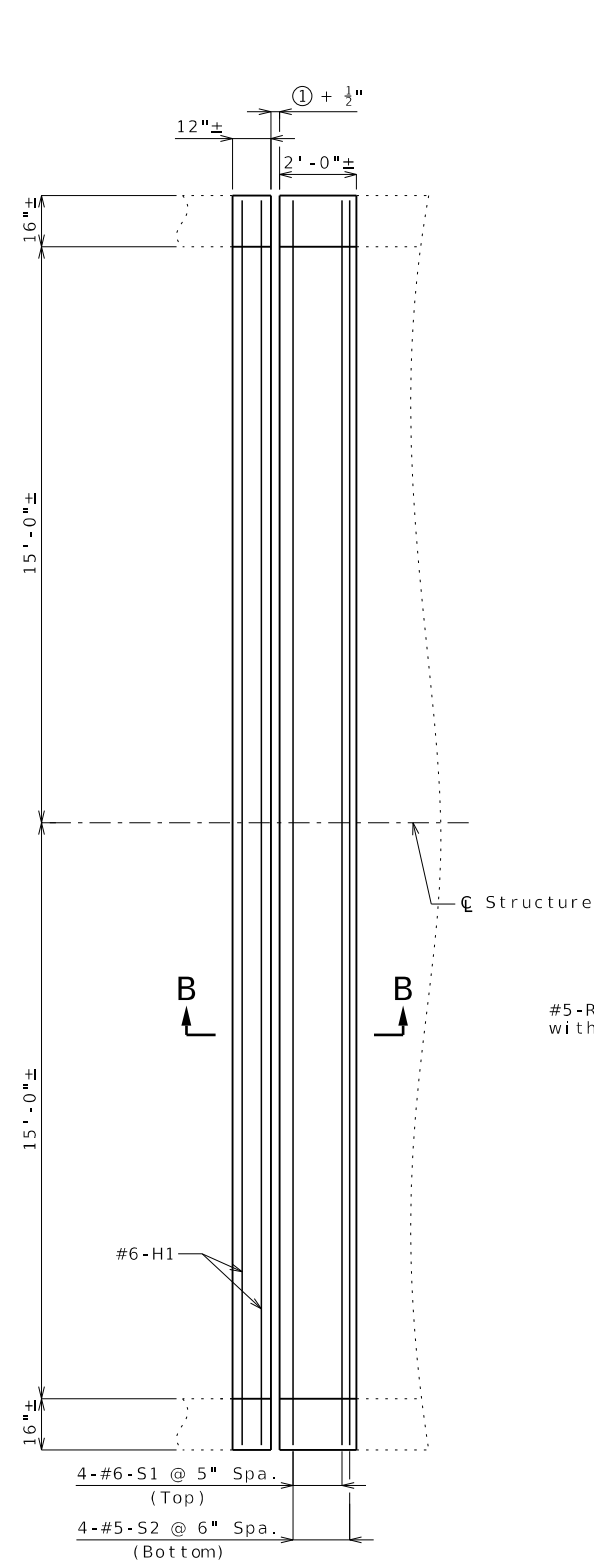
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**PART PLAN OF SLAB AT
END BENT NO. 17 SHOWING
LIMITS OF CONCRETE REMOVAL**

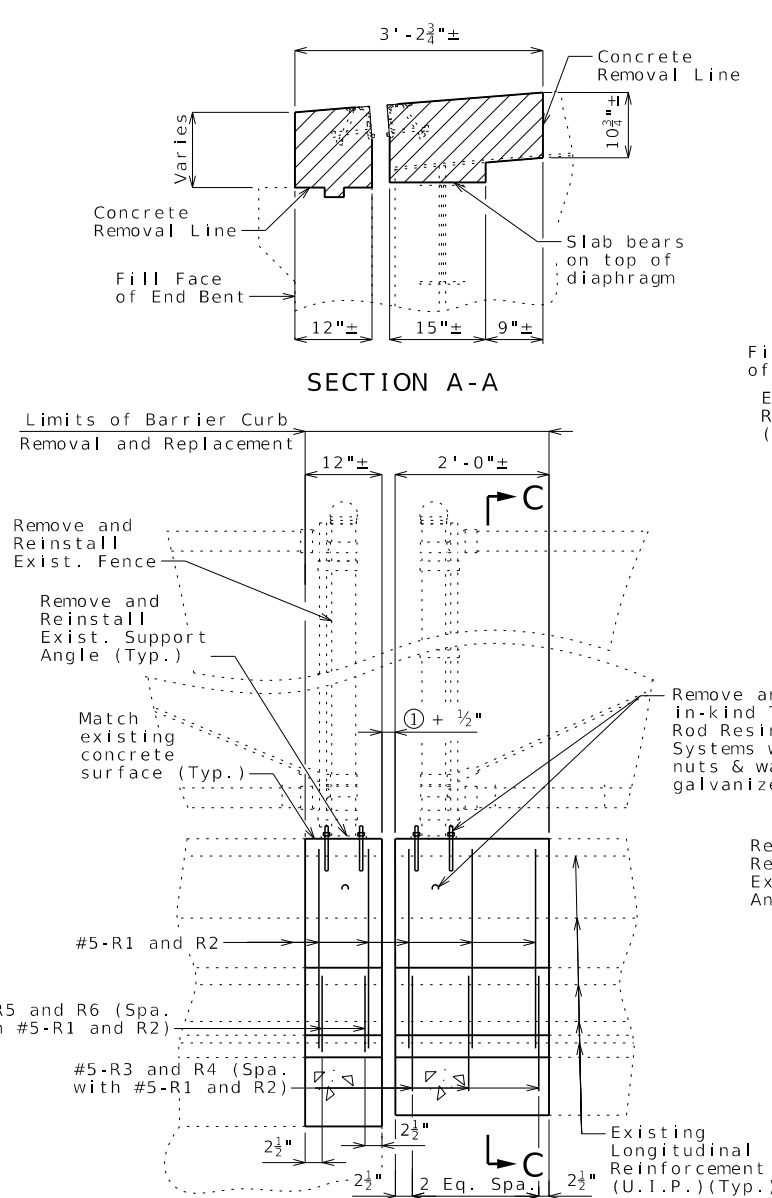
The contractor shall use one of the qualified resin anchor systems in accordance with Sec 1039.

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 pullout strength in accordance with Sec 1039 but shall not be less than 5\"/>



**PART PLAN OF SLAB AT
END BENT NO. 17 SHOWING
NEW CONCRETE AND REINFORCEMENT**

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



**PART ELEVATION OF LEFT SAFETY
BARRIER CURB AT END BENT NO. 17**

(Right barrier curb similar)
(Expansion device not shown for clarity)

Notes:

For details of strip seal expansion joint, see Sheet No. 4.

Concrete for slab replacement shall be Class B-2.

Payment for removal of slab concrete will be considered completely covered by the contract unit price for Removal of Existing Expansion Joints and Adjacent Concrete.

Payment for slab concrete, complete in place, for expansion joint replacement will be considered completely covered by the contract unit price for Class B-2 Concrete.

Payment for furnishing and installing slab reinforcement will be considered completely covered by the contract unit price for Reinforcing Steel (Epoxy Coated).

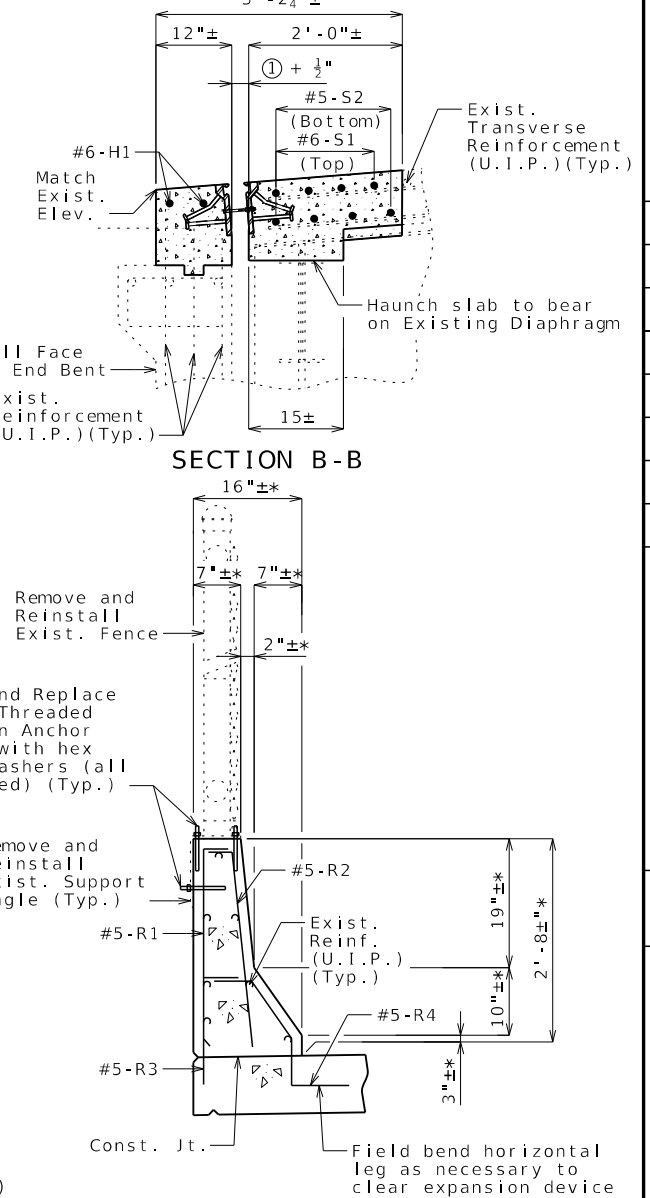
Concrete for barrier curb replacement shall be Class B-1.

Existing stirrups in barrier curb not embedded in concrete shall be removed within limits of barrier curb removal.

Top of barrier shall be built parallel to grade with barrier joints normal to grade. All exposed edges of new barrier curb shall match existing barrier curb.

Payment for curb removal and all new concrete and reinforcement for barrier curb, complete, in place, will be considered completely covered by the contract unit price for Remove and Replace Barrier Curb.

Payment for fence removal and reinstallation and all resin anchors, complete, in place, will be considered completely covered by the contract unit price for Remove and Replace Barrier Curb.



SECTION C-C

* Match existing

(Wearing surface not shown for clarity.)

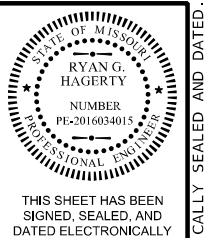
DETAILS OF SLAB AND BACKWALL REPLACEMENT AT END BENT NO. 17

Sheet No. 5A of 7

△ SHEET ADDED

Detailed Feb 2024
Checked Feb 2024

c:\bms\gba-pw-01\ victoria reilly\dms19172\B_A56822_005A_J6P3274B_Replacement details_R002.dgn 9:30:36 AM 5/14/2025



THIS SHEET HAS BEEN
SIGNED, SEALED, AND
DATED ELECTRONICALLY

DATE PREPARED
5/14/2025

ROUTE 100 STATE MO

DISTRICT BR SHEET NO. 5A

COUNTY ST. LOUIS

JOB NO. J6P3274B

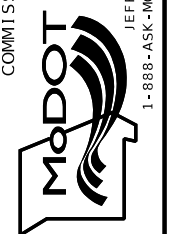
CONTRACT ID.

PROJECT NO.

BRIDGE NO. A56822

DATE	DESCRIPTION
5/13/25	Added Fence to Details

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION



GBA

16305 SWINGLEY RIDGE RD
ST. 300
CHESTERFIELD, MO 63017
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PE-2016034015

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