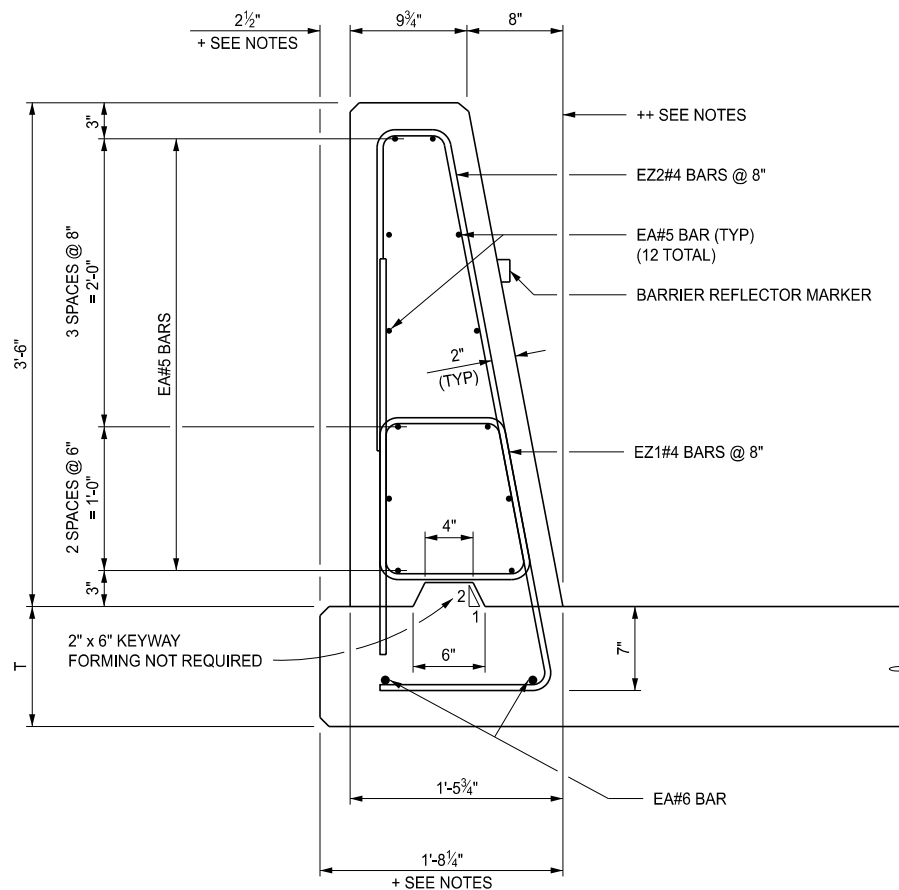


BRIDGE BARRIER RAILING, TYPE 6 OUTSIDE ELEVATION



SECTION A-A  
NO AESTHETIC TREATMENT

APPROVED BY: \_\_\_\_\_  
DIRECTOR, BUREAU OF BRIDGES AND STRUCTURES

APPROVED BY: \_\_\_\_\_  
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: \_\_\_\_\_  
DIRECTOR, BUREAU OF DEVELOPMENT



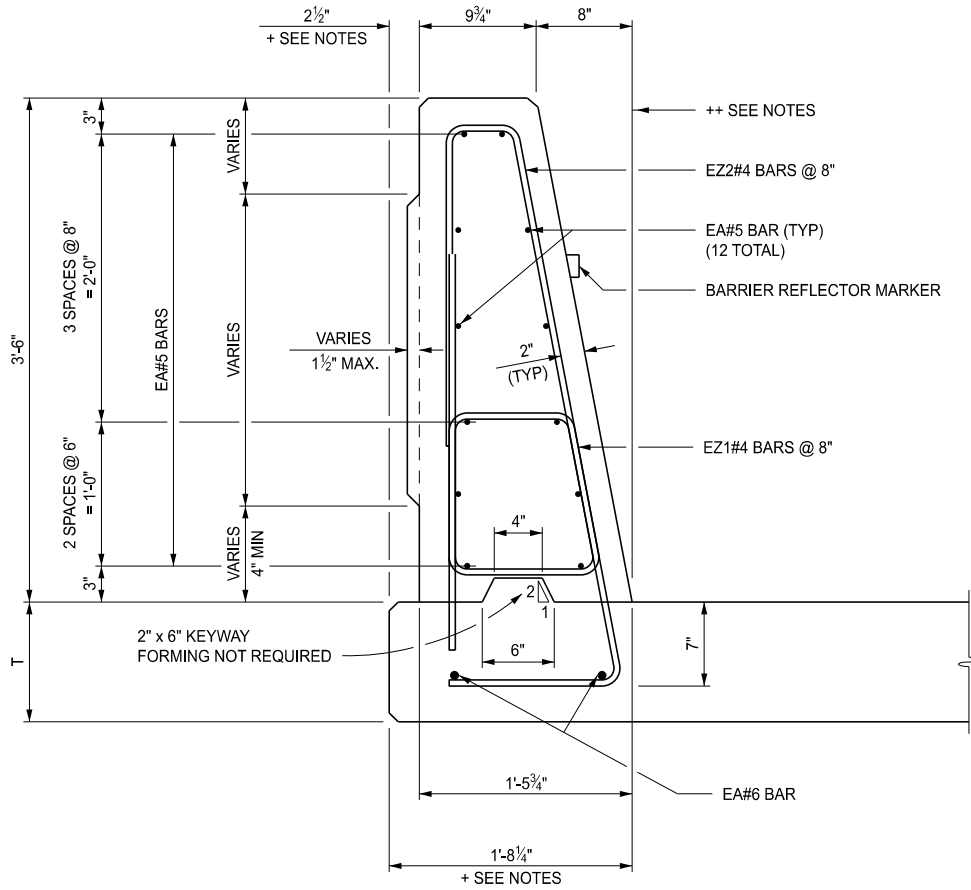
DEPARTMENT DIRECTOR  
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR  
BRIDGE BARRIER RAILING, TYPE 6

(SPECIAL DETAIL) 01/22/2024  
FHWA APPROVAL PLAN DATE

B-29-A

SHEET  
1 OF 8



**SECTION A-A**

BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 1

( THE TYPE AND LIMITS OF THE AESTHETIC TREATMENT, )  
 ( IF APPLICABLE, ARE AS DETAILED ON THE PLANS. )



DEPARTMENT DIRECTOR  
 BRADLEY C. WIEFERICH, PE

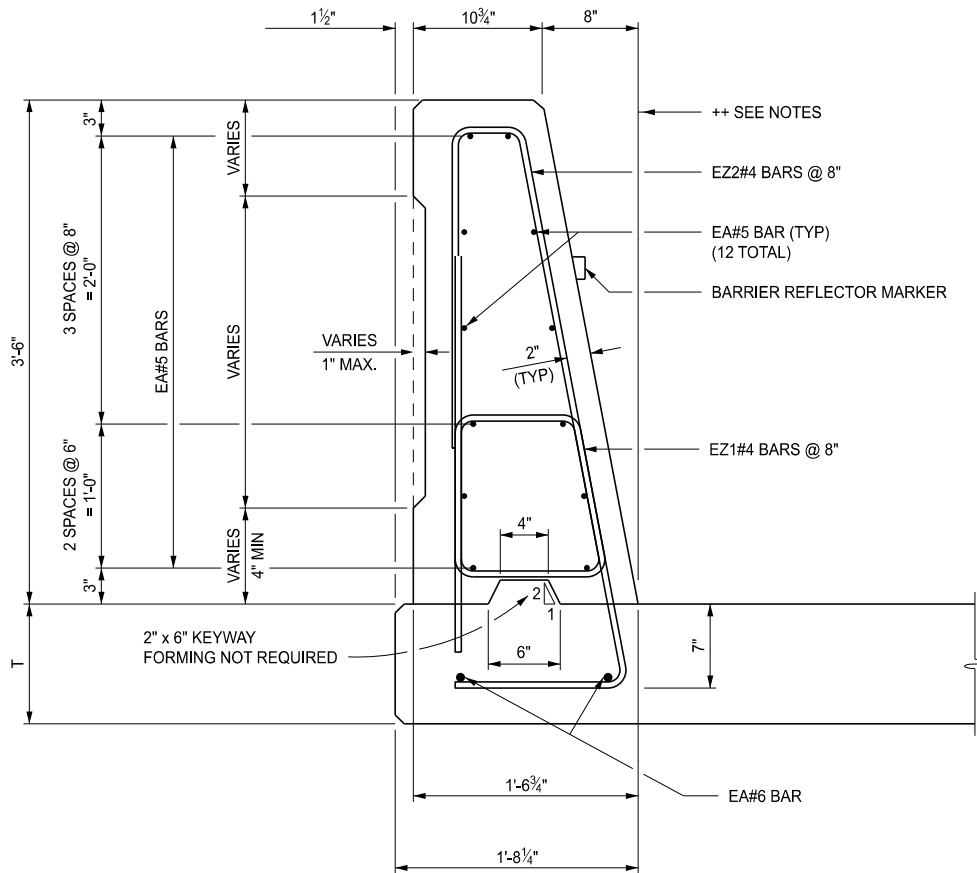
STANDARD PLAN FOR  
 BRIDGE BARRIER RAILING, TYPE 6

(SPECIAL DETAIL)  
 FHWA APPROVAL

01/22/2024  
 PLAN DATE

**B-29-A**

SHEET  
 2 OF 8



**SECTION A-A**

BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2

( THE TYPE AND LIMITS OF THE AESTHETIC TREATMENT, )  
 ( IF APPLICABLE, ARE AS DETAILED ON THE PLANS. )



DEPARTMENT DIRECTOR  
 BRADLEY C. WIEFERICH, PE

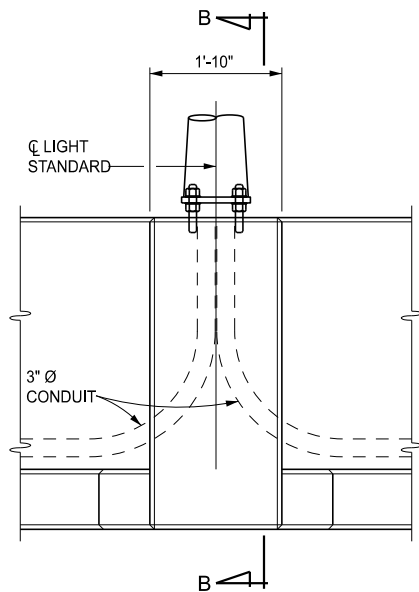
STANDARD PLAN FOR  
 BRIDGE BARRIER RAILING, TYPE 6

(SPECIAL DETAIL)  
 FHWA APPROVAL

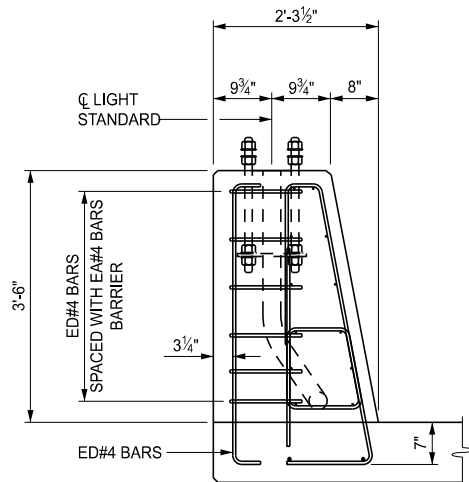
01/22/2024  
 PLAN DATE

**B-29-A**

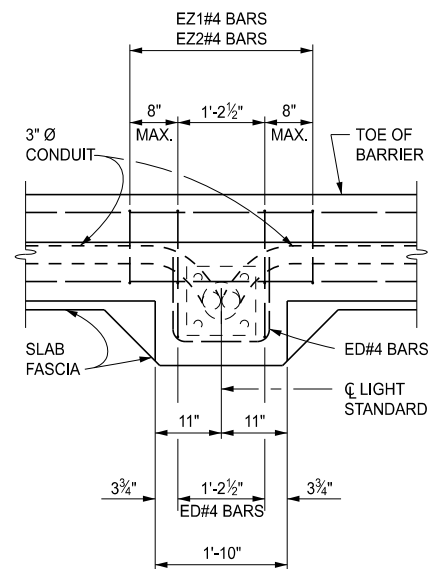
SHEET  
 3 OF 8



ELEVATION VIEW



SECTION B-B



PLAN VIEW

LIGHT STANDARD DETAILS

NO AESTHETIC TREATMENT ON LIGHT STANDARD 1'-10" x 9 3/4" PROTRUSION



DEPARTMENT DIRECTOR  
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STANDARD PLAN FOR  
BRIDGE BARRIER RAILING, TYPE 6

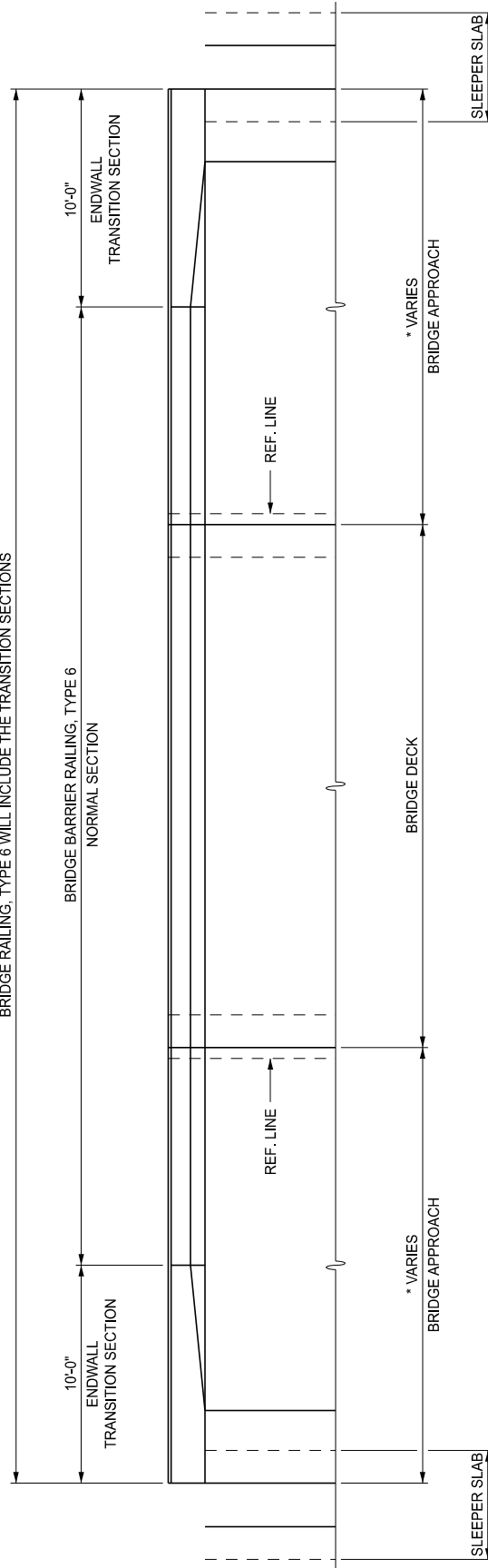
(SPECIAL DETAIL)  
FHWA APPROVAL

01/22/2024  
PLAN DATE

B-29-A

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BRIDGE RAILING, TYPE 6 WILL INCLUDE THE TRANSITION SECTIONS



**BRIDGE BARRIER RAILING, TYPE 6  
PLAN VIEW**

\* DEPENDANT UPON BRIDGE APPROACH LENGTH, THE TRANSITION SECTION CAN BE PARTLY ON BRIDGE DECK OR IF NO APPROACH SLAB IS PRESENT, ENTIRELY ON THE BRIDGE DECK.



DEPARTMENT DIRECTOR  
BRADLEY C. WIEFERICH, PE

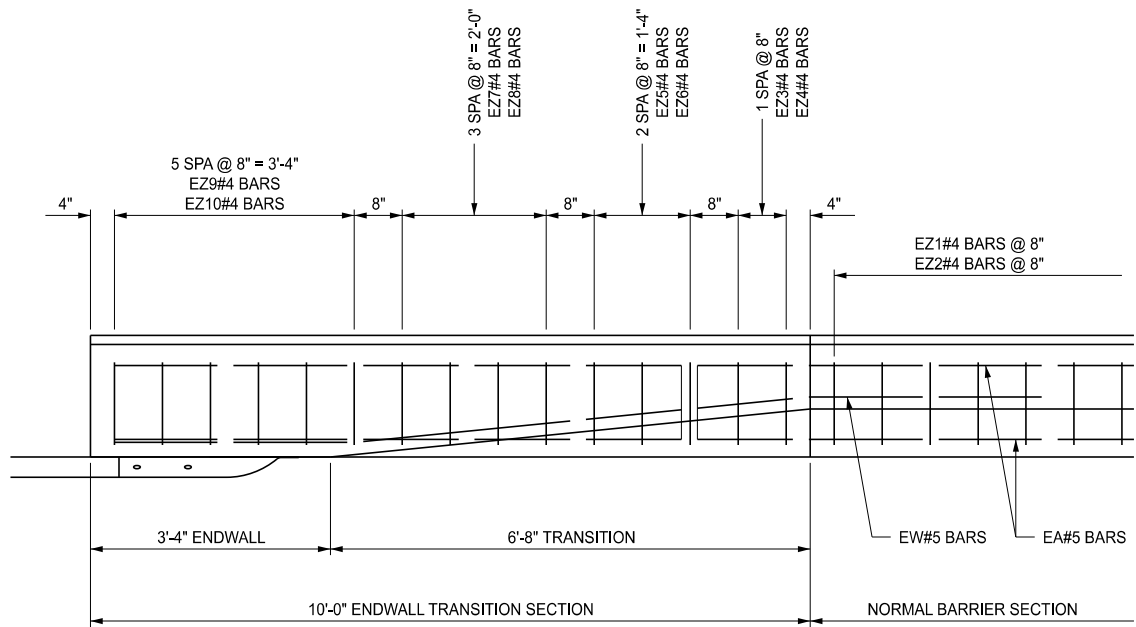
STANDARD PLAN FOR  
**BRIDGE BARRIER RAILING, TYPE 6**

(SPECIAL DETAIL)  
FHWA APPROVAL

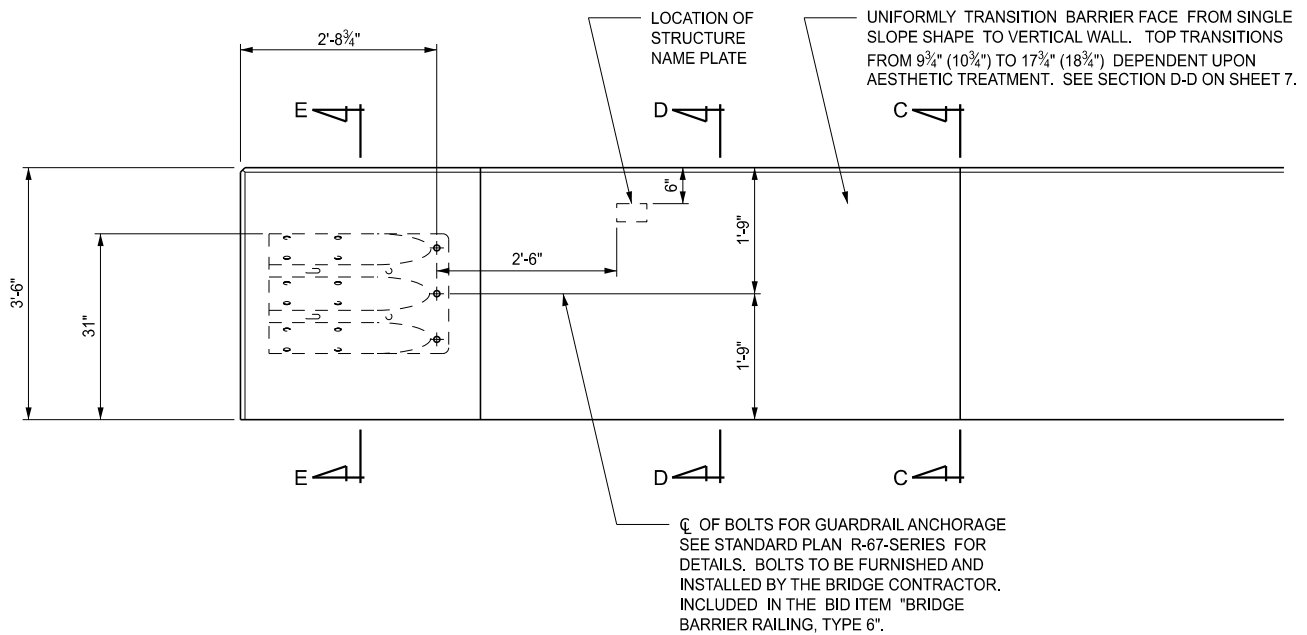
01/22/2024  
PLAN DATE

**B-29-A**

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PLAN VIEW

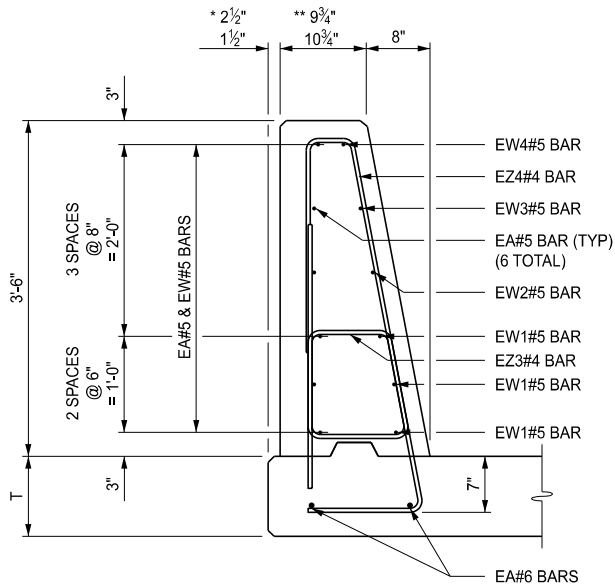


ELEVATION VIEW

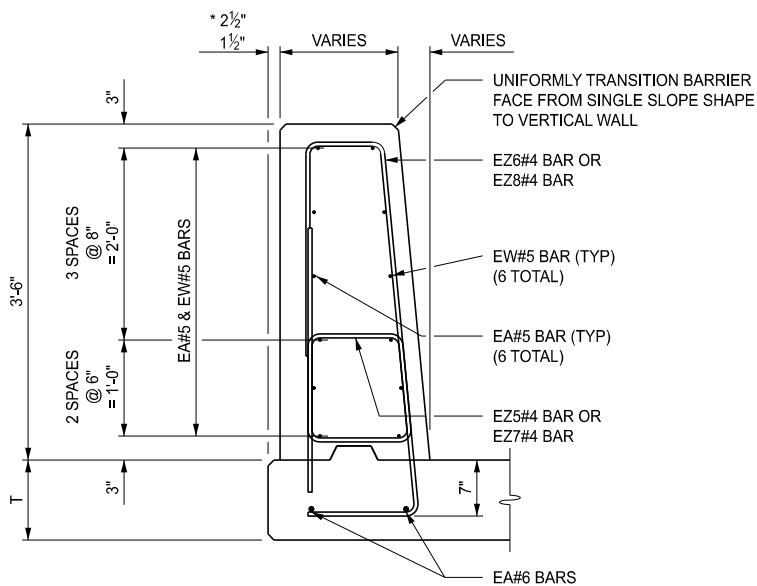
UNIFORMLY TRANSITION BARRIER FACE FROM SINGLE SLOPE SHAPE TO VERTICAL WALL. TOP TRANSITIONS FROM 9 3/4" (10 3/4") TO 17 3/4" (18 3/4") DEPENDENT UPON AESTHETIC TREATMENT. SEE SECTION D-D ON SHEET 7.

CL OF BOLTS FOR GUARDRAIL ANCHORAGE SEE STANDARD PLAN R-67-SERIES FOR DETAILS. BOLTS TO BE FURNISHED AND INSTALLED BY THE BRIDGE CONTRACTOR. INCLUDED IN THE BID ITEM "BRIDGE BARRIER RAILING, TYPE 6".

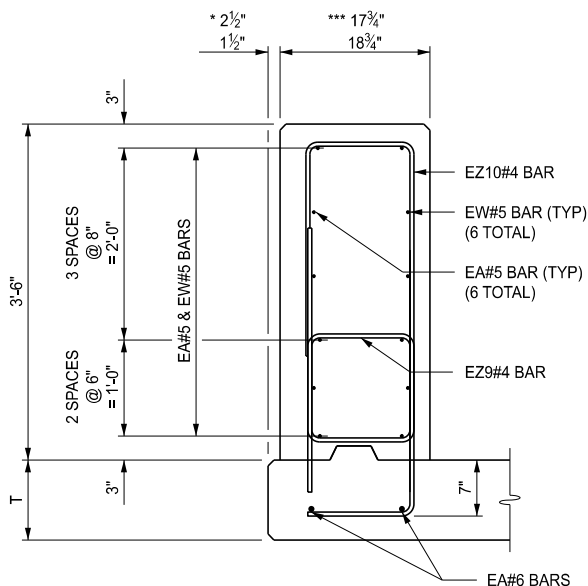
<p>DEPARTMENT DIRECTOR BRADLEY C. WIEFERICH, PE</p>	STANDARD PLAN FOR <b>BRIDGE BARRIER RAILING, TYPE 6</b>		<b>B-29-A</b>	SHEET 6 OF 8
	(SPECIAL DETAIL) FHWA APPROVAL	01/22/2024 PLAN DATE		



SECTION C-C

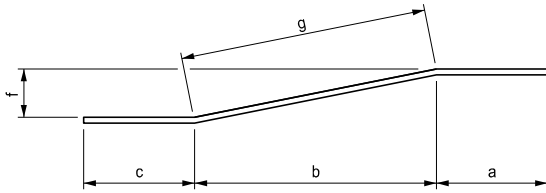


SECTION D-D



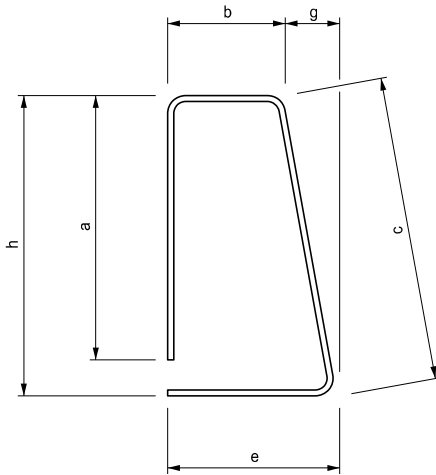
SECTION E-E

- \* 2½" BRIDGE BARRIER RAILING, TYPE 6 (+ SEE NOTES)
- 2½" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 1 (+ SEE NOTES)
- 1½" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2
- \*\* 9¾" BRIDGE BARRIER RAILING, TYPE 6 (+ SEE NOTES)
- 9¾" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 1 (+ SEE NOTES)
- 10¾" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2
- \*\*\* 17¾" BRIDGE BARRIER RAILING, TYPE 6 (+ SEE NOTES)
- 17¾" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 1 (+ SEE NOTES)
- 18¾" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2



ENDWALL TRANSITION SECTION BARS							
	# of bars	c	b	a	g	f	
EW1	3	2'-2"	2'-8"	7'-6"	2'-8"	1 <sup>5</sup> / <sub>8</sub> "	EW051204
EW2	1	2'-2"	6'-0"	4'-2 <sup>7</sup> / <sub>8</sub> "	6'-0 <sup>1</sup> / <sub>8</sub> "	4 <sup>1</sup> / <sub>4</sub> "	EW051205
EW3	1	2'-2"	6'-0"	4'-3 <sup>3</sup> / <sub>4</sub> "	6'-0 <sup>1</sup> / <sub>4</sub> "	5 <sup>3</sup> / <sub>4</sub> "	EW051206
EW4	1	2'-2"	6'-0"	4'-4 <sup>5</sup> / <sub>8</sub> "	6'-0 <sup>3</sup> / <sub>8</sub> "	6 <sup>7</sup> / <sub>8</sub> "	EW051207

$$L = c + a + g$$

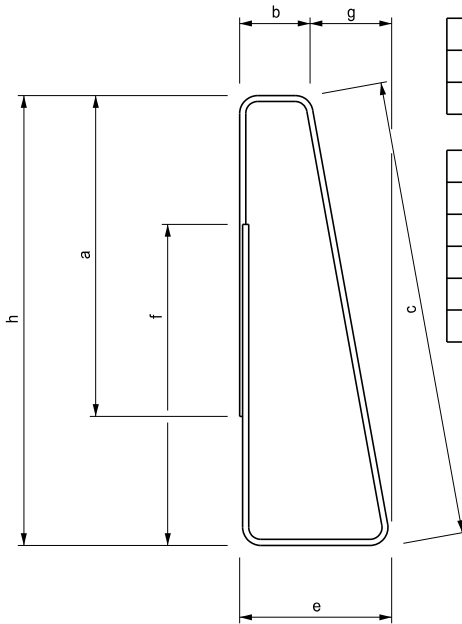


BARRIER SECTION BARS							
	# of bars	a	b	c	e	g	h
EZ1	--	1'-8 <sup>1</sup> / <sub>8</sub> "	10 <sup>3</sup> / <sub>4</sub> "	1'-11 <sup>1</sup> / <sub>8</sub> "	1'-3"	4 <sup>1</sup> / <sub>4</sub> "	1'-10 <sup>3</sup> / <sub>4</sub> "

$$L = a + b + c + e$$

ENDWALL TRANSITION SECTION BARS							
	# of bars	a	b	c	e	g	h
EZ3	2	1'-8"	10 <sup>3</sup> / <sub>8</sub> "	1'-11 <sup>1</sup> / <sub>8</sub> "	1'-2 <sup>1</sup> / <sub>2</sub> "	4 <sup>1</sup> / <sub>8</sub> "	1'-10 <sup>3</sup> / <sub>4</sub> "
EZ5	3	1'-7 <sup>3</sup> / <sub>4</sub> "	11"	1'-11"	1'-2 <sup>1</sup> / <sub>4</sub> "	3 <sup>1</sup> / <sub>4</sub> "	1'-10 <sup>3</sup> / <sub>4</sub> "
EZ7	4	1'-7 <sup>1</sup> / <sub>2</sub> "	11 <sup>3</sup> / <sub>4</sub> "	1'-10 <sup>7</sup> / <sub>8</sub> "	1'-1 <sup>7</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>8</sub> "	1'-10 <sup>3</sup> / <sub>4</sub> "
EZ9	6	1'-7 <sup>3</sup> / <sub>4</sub> "	1'-1 <sup>3</sup> / <sub>4</sub> "	1'-10 <sup>3</sup> / <sub>4</sub> "	1'-1 <sup>3</sup> / <sub>4</sub> "	--	1'-10 <sup>3</sup> / <sub>4</sub> "

$$L = a + b + c + e$$



BARRIER SECTION BARS							
	# of bars	a	b	c	e	f	g
EZ2	--	2'-3 <sup>3</sup> / <sub>8</sub> "	6 <sup>1</sup> / <sub>8</sub> "	3'-2 <sup>1</sup> / <sub>4</sub> "	1'-1 <sup>1</sup> / <sub>4</sub> "	2'-3"	7 <sup>1</sup> / <sub>8</sub> "

$$L = a + b + c + e + f$$

ENDWALL TRANSITION SECTION BARS							
	# of bars	a	b	c	e	f	g
EZ4	2	2'-3 <sup>1</sup> / <sub>2</sub> "	6 <sup>1</sup> / <sub>2</sub> "	3'-2"	1'-1"	2'-3"	6 <sup>1</sup> / <sub>2</sub> "
EZ6	3	2'-3 <sup>7</sup> / <sub>8</sub> "	8 <sup>1</sup> / <sub>8</sub> "	3'-1 <sup>7</sup> / <sub>8</sub> "	1'-1 <sup>1</sup> / <sub>8</sub> "	2'-3"	5"
EZ8	4	2'-3 <sup>5</sup> / <sub>8</sub> "	10 <sup>1</sup> / <sub>2</sub> "	3'-1 <sup>5</sup> / <sub>8</sub> "	1'-1 <sup>1</sup> / <sub>4</sub> "	2'-3"	2 <sup>3</sup> / <sub>4</sub> "
EZ10	6	2'-3 <sup>1</sup> / <sub>2</sub> "	1'-1 <sup>1</sup> / <sub>2</sub> "	3'-1 <sup>1</sup> / <sub>2</sub> "	1'-1 <sup>1</sup> / <sub>2</sub> "	2'-3"	--

$$L = a + b + c + e + f$$

**NOTES:**

DETAILS SHOWN ARE IN ACCORDANCE WITH CURRENT AASHTO SPECIFICATIONS.

FOR LIGHT STANDARD ANCHOR BOLT ASSEMBLY DETAILS, SEE STANDARD PLAN B-103-SERIES.

ALL WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

+ BACK OF BARRIER TO SLAB FASCIA MAY BE DECREASED TO 1<sup>1</sup>/<sub>2</sub>" (FROM 2<sup>1</sup>/<sub>2</sub>") AND TOE OF BARRIER SHIFTED ACCORDINGLY TO ACCOMMODATE THE NEED FOR INCREASED OR MAINTAINING SHOULDER WIDTHS. DISTANCE TO BE DETAILED ON THE PLANS.

++ BRIDGE BARRIER ORIENTATION :

PERPENDICULAR TO PLANE OF SLAB ON NORMAL CROWN SECTION AND HIGH SIDE OF SUPERELEVATION SECTION.  
VERTICAL ON LOW SIDE OF SUPERELEVATED SECTION.



DEPARTMENT DIRECTOR  
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR  
BRIDGE BARRIER RAILING, TYPE 6

(SPECIAL DETAIL)  
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