

BRIDGE BARRIER RAILING, TYPE 6 OUTSIDE ELEVATION

APPROVED BY: _____
DIRECTOR, BUREAU OF BRIDGES AND STRUCTURES

APPROVED BY: _____
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: _____
DIRECTOR, BUREAU OF DEVELOPMENT



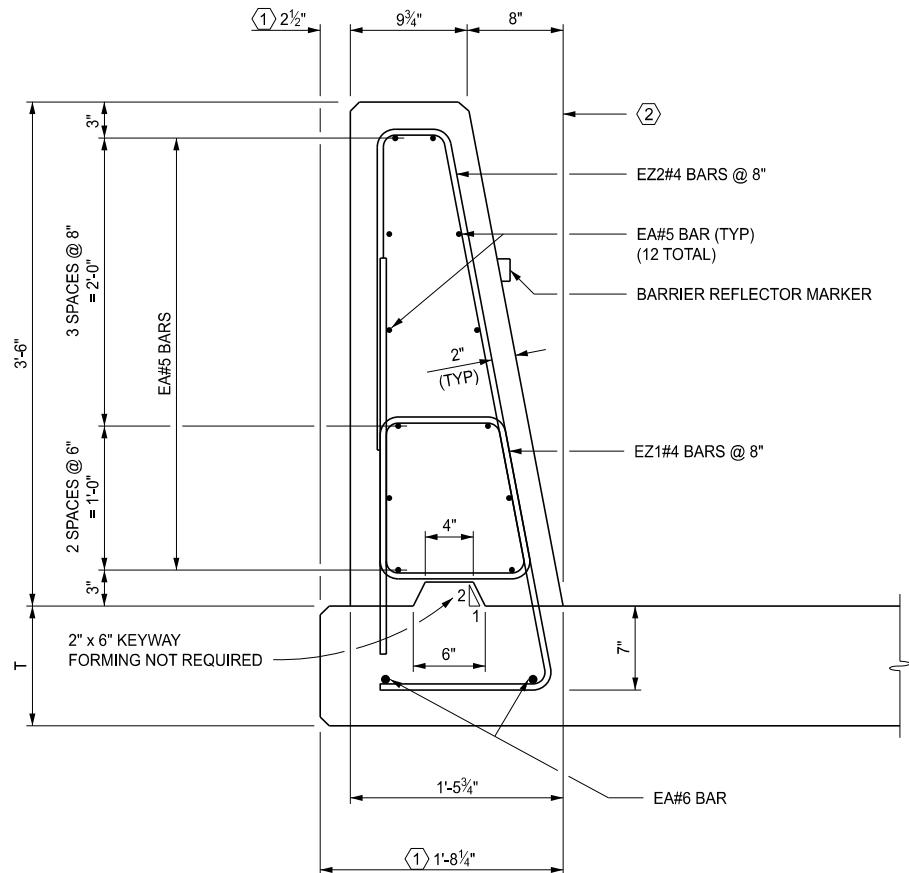
DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR
BRIDGE BARRIER RAILING, TYPE 6

(SPECIAL DETAIL)	12/17/2025
FHWA APPROVAL	PLAN DATE

B-29-A

SHEET
1 OF 8



SECTION A-A
NO AESTHETIC TREATMENT

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

② 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.



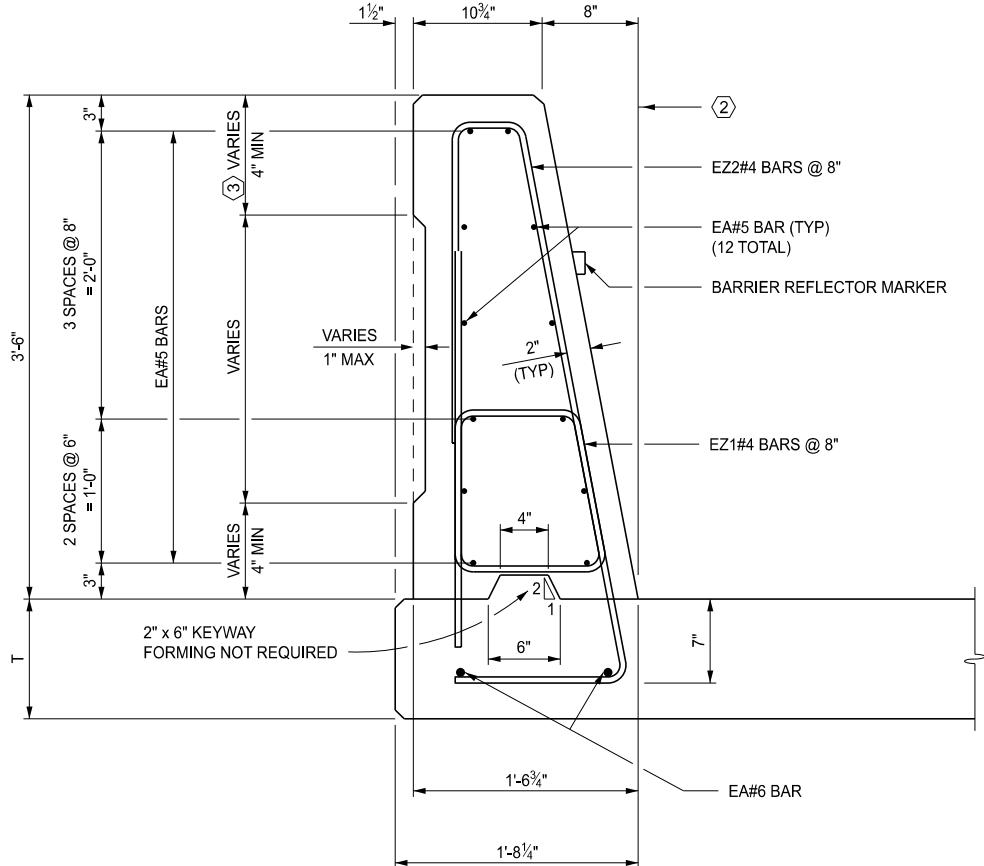
DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR
BRIDGE BARRIER RAILING, TYPE 6

(SPECIAL DETAIL)	12/17/2025
FHWA APPROVAL	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.)

② 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.

③ USE 10" MINIMUM WHEN PEDESTRIAN FENCE IS INSTALLED TO ACCOMMODATE THE DEPTH OF ANCHOR BOLTS. DISTANCE
TO BE DETAILED ON THE PLANS.



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

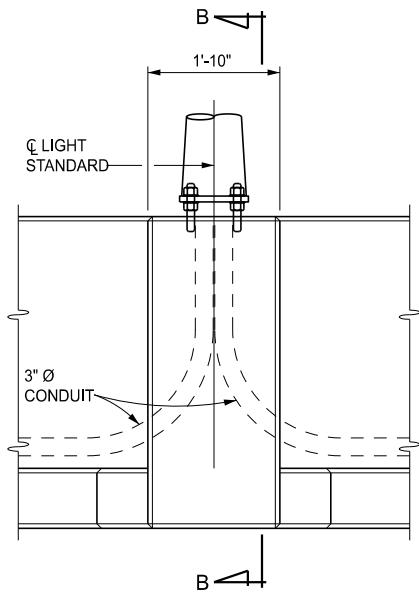
STANDARD PLAN FOR
BRIDGE BARRIER RAILING, TYPE 6

(SPECIAL DETAIL)
FHWA APPROVAL

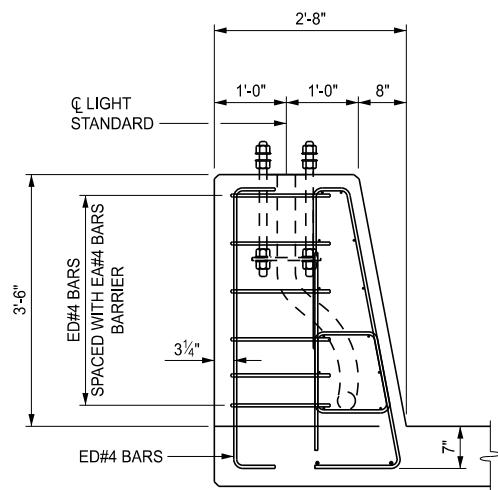
12/17/2025
PLAN DATE

B-29-A

SHEET
3 OF 8



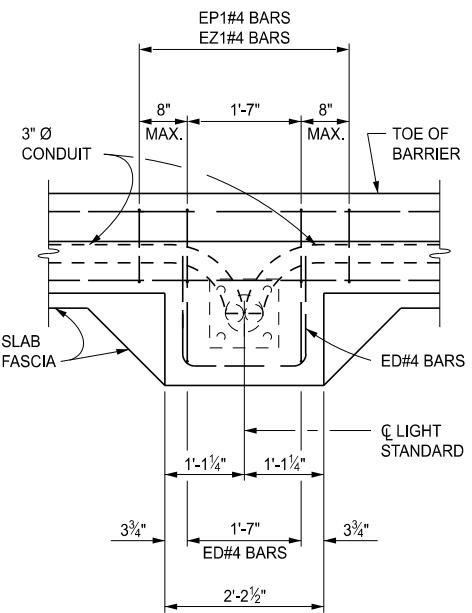
ELEVATION VIEW



SECTION B-B

LIGHT STANDARD DETAILS

NO AESTHETIC TREATMENT ON LIGHT STANDARD 2-2½" x 1-2¼" PROTRUSION



PLAN VIEW



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR
BRIDGE BARRIER RAILING, TYPE 6

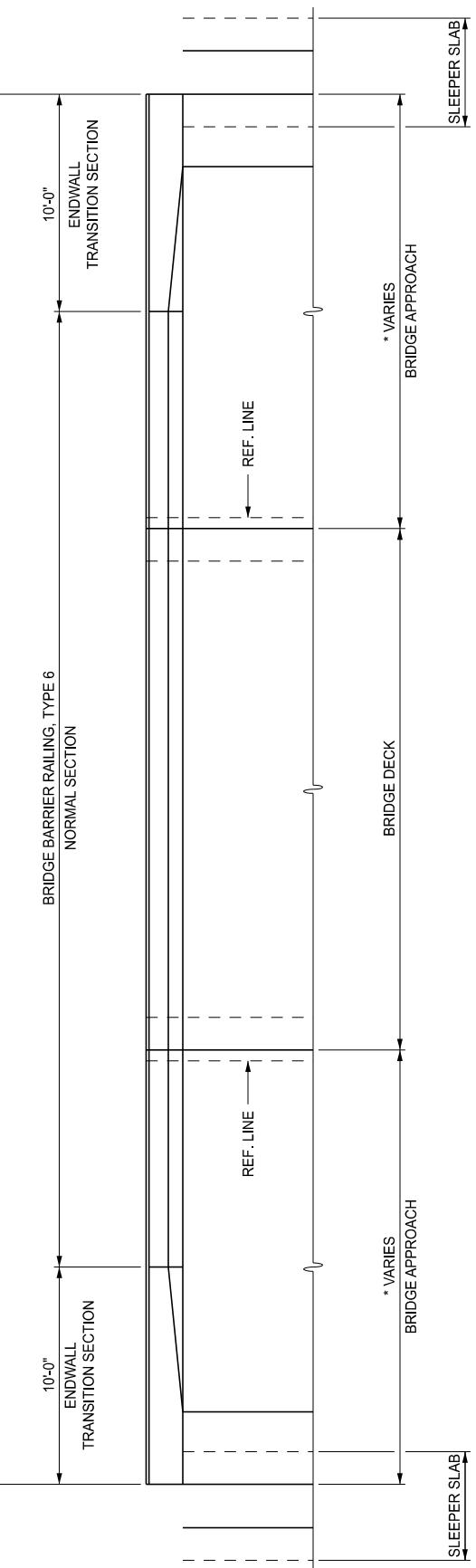
(SPECIAL DETAIL)
FHWA APPROVAL

12/17/2025
PLAN DATE

B-29-A

SHEET
4 OF 8

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

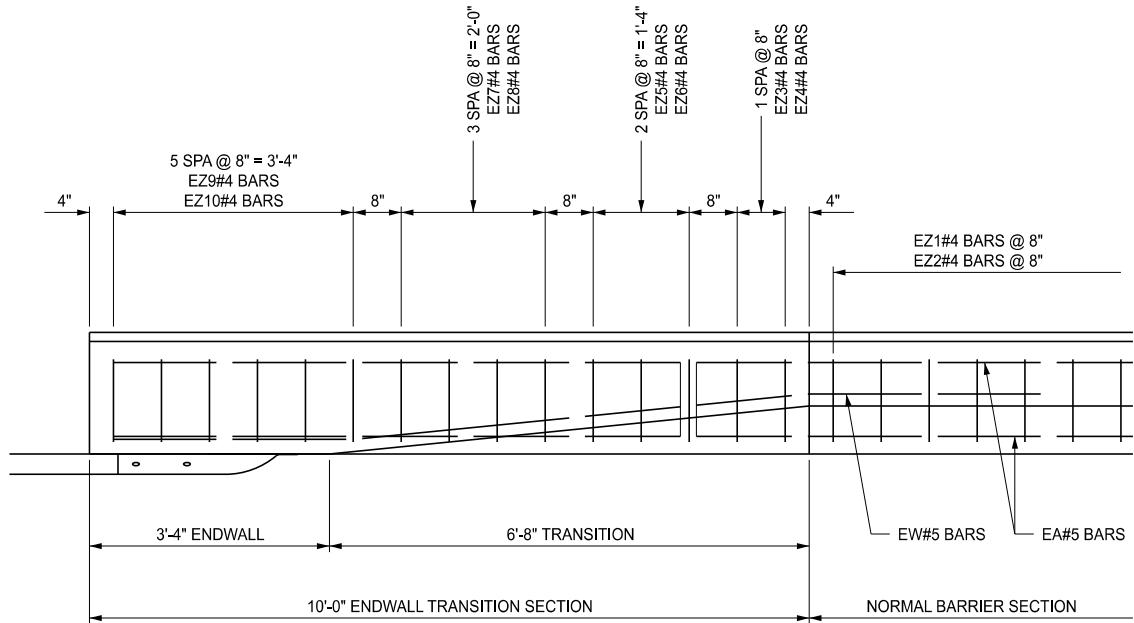
STANDARD PLAN FOR
BRIDGE BARRIER RAILING, TYPE 6

(SPECIAL DETAIL)
FHWA APPROVAL

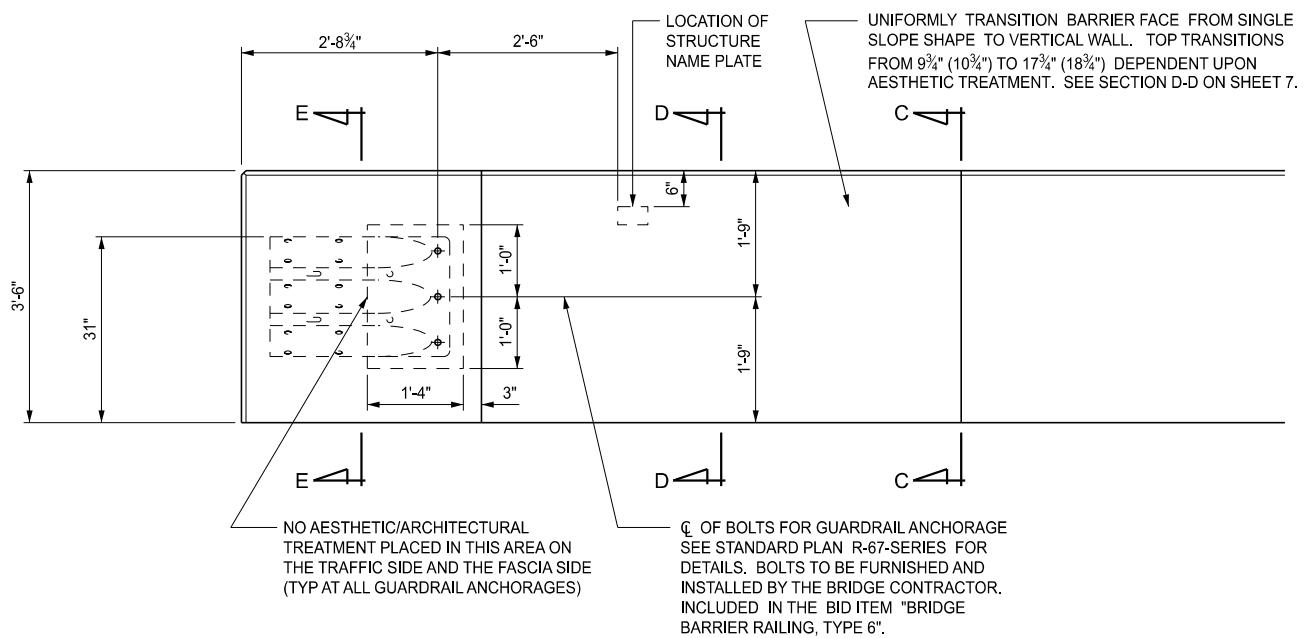
12/17/2025
PLAN DATE

B-29-A

SHEET
5 OF 8



PLAN VIEW



ELEVATION VIEW



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

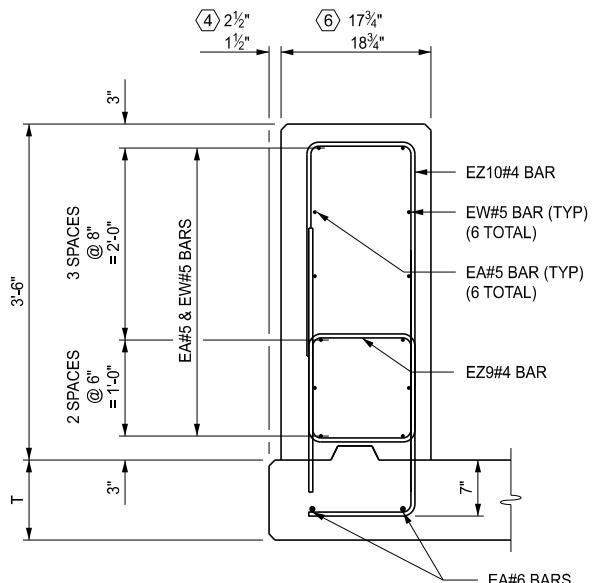
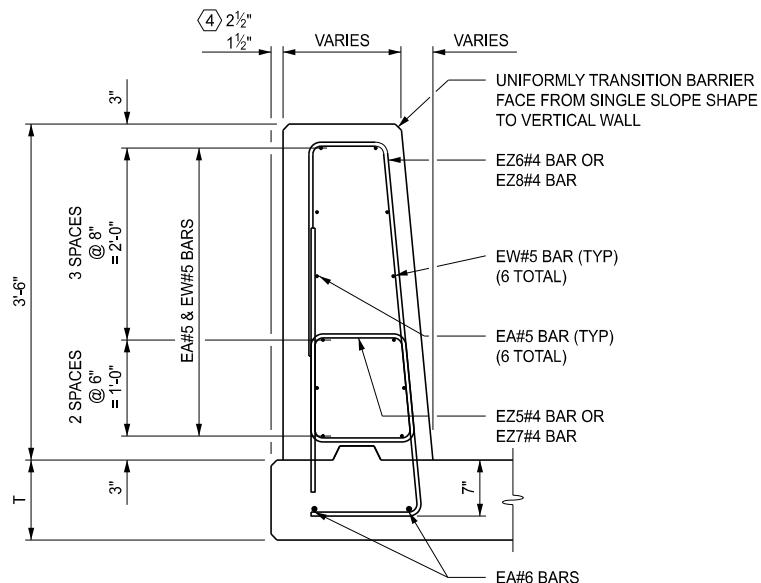
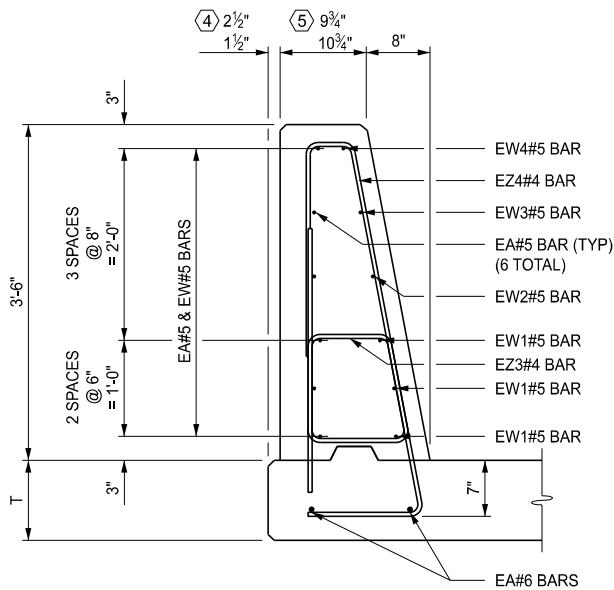
STANDARD PLAN FOR
BRIDGE BARRIER RAILING, TYPE 6

(SPECIAL DETAIL)
FHWA APPROVAL

12/17/2025
PLAN DATE

B-29-A

SHEET
6 OF 8



④ 2½" BRIDGE BARRIER RAILING, TYPE 6 (+ SEE NOTES)
1½" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2

⑤ 9¾" BRIDGE BARRIER RAILING, TYPE 6 (+ SEE NOTES)
10¾" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2

⑥ 17¾" BRIDGE BARRIER RAILING, TYPE 6 (+ SEE NOTES)
18¾" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

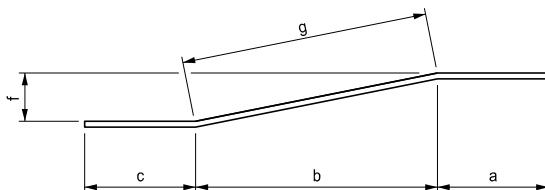
STANDARD PLAN FOR
BRIDGE BARRIER RAILING, TYPE 6

(SPECIAL DETAIL)
FHWA APPROVAL

12/17/2025
PLAN DATE

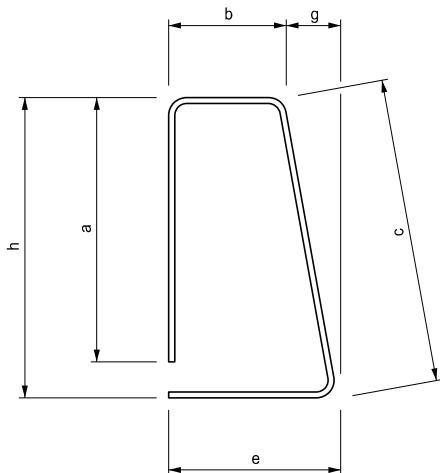
B-29-A

SHEET
7 OF 8



ENDWALL TRANSITION SECTION BARS							
	# of bars	c	b	a	g	f	
EW1	3	2'-2"	2'-8"	7'-6"	2'-8"	1 $\frac{5}{8}$ "	EW051204
EW2	1	2'-2"	6'-0"	4'-2 $\frac{7}{8}$ "	6'-0 $\frac{1}{8}$ "	4 $\frac{1}{4}$ "	EW051205
EW3	1	2'-2"	6'-0"	4'-3 $\frac{3}{4}$ "	6'-0 $\frac{1}{4}$ "	5 $\frac{3}{4}$ "	EW051206
EW4	1	2'-2"	6'-0"	4'-4 $\frac{5}{8}$ "	6'-0 $\frac{3}{8}$ "	6 $\frac{7}{8}$ "	EW051207

$$L = c + a + g$$

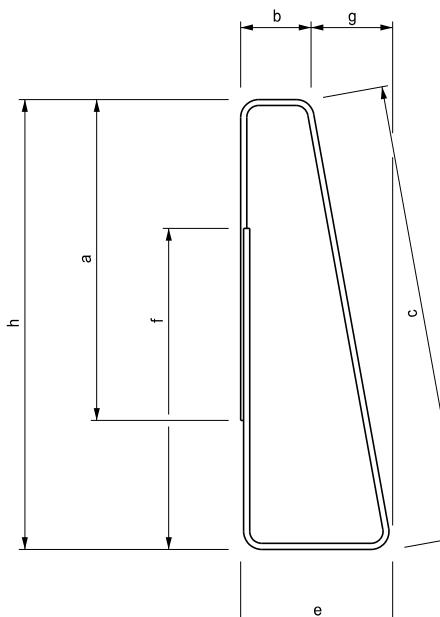


BARRIER SECTION BARS								
	# of bars	a	b	c	e	g	h	
EZ1	--	1'-8 $\frac{1}{8}$ "	10 $\frac{3}{4}$ "	1'-11 $\frac{1}{8}$ "	1'-3"	4 $\frac{1}{4}$ "	1'-10 $\frac{3}{4}$ "	EZ040509

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

ENDWALL TRANSITION SECTION BARS								
	# of bars	a	b	c	e	g	h	
EZ3	2	1'-8"	10 $\frac{3}{8}$ "	1'-11 $\frac{1}{8}$ "	1'-2 $\frac{1}{2}$ "	4 $\frac{1}{8}$ "	1'-10 $\frac{3}{4}$ "	EZ040508
EZ5	3	1'-7 $\frac{3}{4}$ "	11"	1'-11"	1'-2 $\frac{1}{4}$ "	3 $\frac{1}{4}$ "	1'-10 $\frac{3}{4}$ "	EZ040508
EZ7	4	1'-7 $\frac{1}{2}$ "	11 $\frac{3}{4}$ "	1'-10 $\frac{7}{8}$ "	1'-1 $\frac{1}{8}$ "	2 $\frac{1}{8}$ "	1'-10 $\frac{3}{4}$ "	EZ040508
EZ9	6	1'-7 $\frac{3}{4}$ "	1'-1 $\frac{1}{4}$ "	1'-10 $\frac{3}{4}$ "	1'-1 $\frac{1}{4}$ "	--	1'-10 $\frac{3}{4}$ "	EZ040510

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



BARRIER SECTION BARS									
	# of bars	a	b	c	e	f	g		
EZ2	--	2'-3 $\frac{3}{8}$ "	6 $\frac{1}{8}$ "	3'-2 $\frac{1}{4}$ "	1'-1 $\frac{1}{4}$ "	2'-3"	7 $\frac{1}{8}$ "	3'-1 $\frac{5}{8}$ "	EZ040904

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

ENDWALL TRANSITION SECTION BARS									
	# of bars	a	b	c	e	f	g		
EZ4	2	2'-3 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	3'-2"	1'-1"	2'-3"	6 $\frac{1}{2}$ "	3'-1 $\frac{1}{2}$ "	EZ040904
EZ6	3	2'-3 $\frac{7}{8}$ "	8 $\frac{1}{8}$ "	3'-1 $\frac{7}{8}$ "	1'-1 $\frac{1}{8}$ "	2'-3"	5"	3'-1 $\frac{1}{2}$ "	EZ040906
EZ8	4	2'-3 $\frac{5}{8}$ "	10 $\frac{1}{2}$ "	3'-1 $\frac{5}{8}$ "	1'-1 $\frac{1}{4}$ "	2'-3"	2 $\frac{3}{4}$ "	3'-1 $\frac{1}{2}$ "	EZ040908
EZ10	6	2'-3 $\frac{1}{2}$ "	1'-1 $\frac{1}{2}$ "	3'-1 $\frac{1}{2}$ "	1'-1 $\frac{1}{2}$ "	2'-3"	--	3'-1 $\frac{1}{2}$ "	EZ040911

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

NOTES:

DETAILS SHOWN ARE ACCORDING TO AASHTO SPECIFICATIONS.

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

ALL WORK AND MATERIAL ARE ACCORDING TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.