BRIDGE BARRIER RAILING, TYPE 7 OUTSIDE ELEVATION

SECTION A-A
NO AESTHETIC TREATMENT
SECTION A-A
BRIDGE BARRIER RAILING, AESTHETIC, TYPE 7, DET 1

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

SECTION A-A
BRIDGE BARRIER RAILING, AESTHETIC, TYPE 7, DET 2

THE TYPE AND LIMITS OF THE AESTHETIC TREATMENT, IF APPLICABLE, ARE AS DETAILED ON THE PLANS.
LIGHT STANDARD DETAILS

No aesthetic treatment on Light Standard 1'-10" x 11\(\frac{3}{4}\)" protrusion
BRIDGE RAILING, TYPE 7 WILL INCLUDE THE TRANSITION SECTIONS

10'-0" ENDWALL TRANSITION SECTION
NORMAL SECTION
10'-0" ENDWALL TRANSITION SECTION

REFERENCE LINE

* Varies
BRIDGE APPROACH
BRIDGE DECK
* Varies
BRIDGE APPROACH

* 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.
MICHIGAN DEPARTMENT OF TRANSPORTATION

BUREAU OF DEVELOPMENT STANDARD PLAN FOR

BRIDGE BARRIER RAILING,
TYPE 7

PLAN VIEW

ELEVATION VIEW

LOCATION OF STRUCTURE NAME PLATE

TWO TRIANGULAR PANELS, TOP TRANSITIONS FROM 7-3/4" (197mm) TO 12" (305mm) AND BOTTOM TRANSITIONS FROM 1'-2" (304mm) TO 12" (305mm) DEPENDANT UPON AESTHETIC TREATMENT. SEE SECTION D-D ON SHEET 6.

C 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 7".
BRIDGE BARRIER RAILING, TYPE 7

ENDWALL TRANSITION SECTION BARS

<table>
<thead>
<tr>
<th># of bars</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
<th>e</th>
<th>g</th>
<th>h</th>
<th>h - a</th>
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<tbody>
<tr>
<td>EW1</td>
<td>1</td>
<td>3'-1&quot;</td>
<td>6'-8&quot;</td>
<td>3'-1&quot;</td>
<td>6'-8&quot;</td>
<td>3'/4&quot;</td>
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</tr>
<tr>
<td>EW2</td>
<td>1</td>
<td>3'-1&quot;</td>
<td>6'-8&quot;</td>
<td>3'-2&quot;</td>
<td>6'-8&quot;</td>
<td>1'/4&quot;</td>
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L = c + a + g

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<table>
<thead>
<tr>
<th># of bars</th>
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<th>c</th>
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<td>3'/4&quot;</td>
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<tr>
<td>EW4</td>
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<td>6'-8&quot;</td>
<td>3'-4&quot;</td>
<td>6'-8&quot;</td>
<td>2'/4&quot;</td>
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L = c + e + h

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<th>g</th>
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<tbody>
<tr>
<td>EZ1</td>
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<td>7'/4&quot;</td>
<td>1'-8'/4&quot;</td>
<td>1'-8&quot;</td>
<td>1'-8&quot;</td>
<td>3&quot;</td>
<td>EZ040409</td>
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<td>EZ2</td>
<td>4</td>
<td>1'-5&quot;</td>
<td>7'/4&quot;</td>
<td>1'-8'/4&quot;</td>
<td>1'-8&quot;</td>
<td>9'/4&quot;</td>
<td>2'/4&quot;</td>
<td>EZ040407</td>
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<tr>
<td>EZ3</td>
<td>4</td>
<td>1'-5&quot;</td>
<td>7'/4&quot;</td>
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L = a + b + c + e

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<th>e</th>
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<tr>
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<td>2'-11'/4&quot;</td>
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L = a + b + c

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'/8" (FROM 2'/8") 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.