'STRUCTURE WIDTH

X = shy-line offset distance from the Table in Article 2.3.3.3

BRIDGES – NO SIDEWALK
Concrete Parapet

42” Single Slope Concrete Parapet

BRIDGES – NO SIDEWALK
Two Tube Curb Mount Rail

BRIDGES – RAISED SIDEWALK WITH SPEEDS 45mph AND LOWER
Combination Rail

BRIDGES – AT-GRADE SIDEWALK FOR SPEEDS OVER 45mph
CULVERTS – CLEAR ZONE PROVIDED
Clear zones for NHS routes are shown in Roadway Design Manual Appendix A.10 Figure A-2. Clear zones for Non-NHS routes are shown in Roadway Design Manual Appendix A.15.09

CULVERTS – CLEAR ZONE NOT PROVIDED
Metal Rail with posts attached to the culvert
Metal Rail with no posts attached to the culvert

CULVERTS – CLEAR ZONE NOT PROVIDED

42” Single Slope Concrete Parapet
Staked Concrete Shoulder Barrier – Standard Drawing 612-18

MSE WALLS
Single Slope Concrete Parapet with Moment Slab
Concrete Barrier with No Moment Slab

MSE WALLS
Metal Rail
* AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
  ARTICLE 11.10.10.2

Revisions:
Nov 2019

**Culverts – Clear Zone not Provided with posts attached to the culvert.**
Specified 6” maximum height of curb above fill.
Specified 10:1 or flatter roadway slope beyond edge of traveled way.

**Culverts – Clear Zone not Provided with no posts attached to the culvert.**
Specified 2” maximum height of curb above fill.
Specified 10:1 or flatter roadway slope beyond edge of traveled way.

**Culverts – Clear Zone not Provided with concrete parapet.**
Changed from New Jersey parapet to 42” single slope parapet.
Changed shy distance from “X-4” to “X”.
Specified 10:1 or flatter roadway slope beyond edge of traveled way.

**Culverts – Clear Zone not Provided with staked concrete parapet.**
Changed offset to face of curb from 3” to 20”.
Changed shy distance from “X-4” to “X”.
Revised reference to Standard Drawing from 612-5 to 612-18.
Specified 10:1 or flatter roadway slope beyond edge of traveled way.

**MSE Walls with Moment Slab**
Changed from New Jersey parapet to 42” single slope parapet.
Added staked barrier in front of wall with a 20” offset.

**MSE Walls with no Moment Slab**
Changed offset at top of wall from 2’ to 20”.
Specified 10:1 or flatter roadway slope beyond edge of traveled way.
Changed shy distance from “X-4” to “X”.
Added staked barrier in front of wall with a 20” offset.

**MSE Walls with metal rail**
Specified 10:1 or flatter roadway slope beyond edge of traveled way.
Added staked barrier in front of wall with a 20” offset.