

SECTION 7 ALUMINUM STRUCTURES

7.1 GENERAL REQUIREMENTS

This section will provide guidance to the design and construction requirements for aluminum structures. Unless specified in the latest edition of the CDOT Standard Specifications for Road and Bridge Construction, [M&S Standard Plans](#), Staff Bridge Worksheets, or this BDM, the use of aluminum as a bridge or structural component is not permitted.

Aluminum appurtenances to bridge structures may be used as shown in the [M&S Standard Plans](#) or with the approval of CDOT Unit Leader in coordination with the Concrete SMEs. Due to concerns with dissimilar metals in contact in a corrosive environment and the occurrence of accelerated galvanic corrosion, measures such as using plastic washers or bushings should be taken to separate dissimilar metals.

7.2 CODE REQUIREMENTS

The design of aluminum components shall be in accordance with AASHTO.

AASHTO
Section 7