

SECTION 8 WOOD STRUCTURES

8.1 GENERAL REQUIREMENTS

This section will provide guidance to the design and construction requirements for wood structures. Unless specified in the latest edition of the [M&S Standard Plans](#), Staff Bridge Worksheets, or this BDM, the use of wood as a bridge, retaining wall, sound barrier, or structural component is not permitted for new on-system structures.

Wood appurtenances to bridge structures may be used as shown in the Staff Bridge Worksheets only with the approval of Unit Leader in coordination with the State Bridge Engineer. Review Section 508 of CDOT Standard Specifications for Road and Bridge Construction and AWPA standards for treated wood in bridge applications and coordinate with Unit Leader and State Bridge Engineer for best preservative treatment.

The use of timber piles for new construction is not allowed.

Temporary structures may be constructed of wood, with prior approval of Unit Leader in coordination with the State Bridge Engineer.

8.2 CODE REQUIREMENTS

**AASHTO
Section 8**

The design of wood structures shall be in accordance with AASHTO and *USDA Forest Service Timber Bridges, Design, Construction, Inspection, and Maintenance*.