**GENERAL NOTES:**

**SPECIFICATIONS, MATERIALS, AND CONSTRUCTION OF THIS STRUCTURE SHALL BE IN CONFORMITY WITH THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS (FH-33) AND STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRAIL AND BRIDGES ON FEDERAL PROJECTS.**

**LOG MEMBERS:** Log used for stringers shall be Douglas Fir or Western Larch with minimum height of mid-span log diameter as noted for the various spans and design loading. Native trees to be used for bridge stringers shall be straight and free of defects. Knots in stringers shall be chosen from trees with relatively few knots, and make no knot greater than 3/4″ in diameter. Logs shall be tapered at ends to create a level bearing surface at supports, taking care to avoid overcutting. Horn outer surface of logs to provide a level surface refer to plans for further details.

**TIMBER & LUMBER:** Solid sawn timber members shall conform to the requirements of the Oregon Rules Agency for the Species, Type, and Grade specified below.

**DECK PLANKS, SILLS, AND BACKING PLANKS:**

- Coastal Region: Douglas Fir, Larch Rough Sawn No.1 Grade, Grading Rules Agency = WAPA, WOLB
- Rils & Posts (See Project Criteria)
  - Sawn Untreated
    - Western Red Cedar, S4S, No.1 Grade Grading Rules Agency = WRCA
    - Western Fir, Douglas Fir, Select Structural Grade Grading Rules Agency = WAPA, WOLB
  - Sawn Treated
    - CHM = Fir/Douglas Fir, S4S, No.1 Grade Grading Rules Agency = WAPA, WOLB
    - Lodge Pole Pine, pine, peeled, and graded, Grading Rules Agency = NLSA

**TREATMENT:** See Project Criteria for members identified to be treated and for treatment. See Wood Preservative Treatment shall be in accordance with the current American Wood Protection Association (AWPA) Specifications using the treatment materials listed below. Treatment shall comply with the requirements of the current edition of Western Wood Preservers Institute (WWPI) Test Methods Practices for the Use of Treated Wood in Aquatic Environments. Stringers & Railing treatment, if treated:

- AWPA Use Category System (US) for treated wood (US) - Ground Contact Exposure (GC-10) - Pentachlorophenol in Light Oil (Type C Solvent)
- Copper Naphthanate (CuN) in Light Oil (Type C Solvent)
- Sills, Floor Treads, Planks, Dripline, & Timber Walls, if treated
  - AWPA Use Category System (US) for treated wood (US) - Ground Contact Heavy Duty (GCH-16) - Pentachlorophenol in Heavy Oil (Type C Solvent)
  - Copper Naphthanate (CuN) in Heavy Oil (Type C Solvent)

**FIELD TREATMENT:** Copper Naphthanate (CNS) solution shall be furnished for field treatment of wood, all anchors and field cuts - approved by the C.O.R. - Eagle or Sulfate Treated. The field treatment solution where approved, field drilling of bolt, screw or nail holes is required. The holes shall be filled with preservative prior to inserting the fasteners.

**HARDWARE:** See Project Criteria for members identified to be treated and for treatment. See Wood Preservative treatment shall be in accordance with the current American Wood Protection Association (AWPA) Specifications using the treatment materials listed below. Treatment shall comply with the requirements of the current edition of Western Wood Preservers Institute (WWPI) Test Methods Practices for the Use of Treated Wood in Aquatic Environments. Stringers & Railing treatment, if treated:

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- Copper Naphthanate (CuN) in Heavy Oil (Type C Solvent)

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