SPECIFICATIONS: Materials and construction of this structure shall be in accordance with the standard specification for construction of roads and bridges on federal highway projects (F-P-03) and standard specifications for construction of trails and trail bridges on federal projects.

Timber and lumber: Solid sawn timber members shall conform to the requirements of the grading rules agency for the species, type, and grade specified below.

Deck planks, curbs, sills, and backing blocks:
- Coastal Region Douglas Fir-Larch Rough Sawn No. 1 Grade, Grading Rules Agency = WPFA, WCLB
- Coastal Region Douglas Fir-Larch Rough Sawn No. 2 Grade, Grading Rules Agency = WPFA, WCLB

Rails & Posts (see project criteria):
- Untreated
- Redwood, S4S, No. 1 Grade Grading Rules Agency = RIS
- Western Red Cedar, S4S, Select Structural Grade Grading Rules Agency = WPFA, WCLB
- Hem-Fir, Douglas Fir, S4S, No. 1 Grade Grading Rules Agency = WPFA, WCLB

TREATMENT: See project criteria for members identified to be treated and for treatment type. Preservative treatment shall be in accordance with the current American Wood Protection Association (AWPA) specifications using the treatment materials listed below. Treatment will comply with the requirements of the current edition of Western Wood Preservers Institute (WWPI) Pest Management Practices for the Use of Treated Wood in Aquatic Environments.

Strings, deckings, running planks, and railing system, if treated:
- AWPA use category system (UI) for use category 3A above ground-exposed (UC3A)
- Pentachlorophenol in light oil (Type A Solvent)
- Copper napthenate (CNA) in light oil (Type C Solvent)

Sills, backing planks, crib, and timber walls, if treated:
- AWPA use category system (UI) for use category 4B ground contact-heavy duty (UC4B)
- Pentachlorophenol in heavy oil (Type A Solvent)
- Copper napthenate (CNA) in heavy oil (Type A Solvent)

FIELD TREATMENT: Copper napthenate (CNA solution) shall be furnished for field treatment. All abrasions and field cuts - approved by the CDA - shall be carefully trimmed and given three brush coats of the field treatment solution. An approved field drilling of bolt or nail holes is required. The holes shall be filled with preservative prior to inserting the fastener.

Hardware and Structural Steel: See project design criteria for steel hardware. Fasteners shall be furnished in accordance with the fastener standards and structural steel shall be furnished in accordance with the structural steel standards. The concrete and structural steel shall meet the requirements of the American Iron and Steel Institute (AISI) Grade 30 3 1/2 or Grade A Weathering Steel and shall be furnished in accordance with the current revision of the AISI standard for mill production of structural steel.

When structural steel is to be welded, the welding procedure shall be in accordance with AWS D1.1 and shall be suitable for the grade of steel and intended use of service.

Fabrication: Submit shop drawings for all bridge components (except timber running planks). Send all dimensions and fabrication details for all cut or bending timber. Field drilling of holes shall not be allowed unless otherwise noted on the plans.