GENERAL NOTES:

SPECIFICATIONS, MATERIALS AND CONSTRUCTION OF THIS STRUCTURE SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR CONSTRUCTION OF ROADS AND STRUCTURES ON FEDERAL HIGHWAY PROJECTS (FH-03) AND STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRAILS AND TRAIL BRIDGES ON FEDERAL PROJECTS.

LOG MEMBERS: LOGS USED FOR STRINGERS SHALL BE DOUGLAS FIR OR WESTERN LARCH WITH MINIMUM TEEPEE. MINIMUM SPAN LOG DOWEL AS NOTED FOR THE VARIOUS SPANS AND DESIGN LOADING. NATIVE TREES TO BE USED FOR BRIDGE STRINGERS SHALL BE STRAIGHT, SOUND, AND FREE OF DEFECTS AND ROT. STRINGERS SHALL BE CHOSEN FROM TREES WITH RELATIVELY FEW LINES AND HAVE NO KNOT GREATER THAN 3-INCH IN DIAMETER. LOGS SHALL BE DAPPED AT ENDS TO CREATE A LEVEL SEATING SURFACE AT SUPPORTS TAKING CARE TO AVOID OVER CUTTING. HEWN UPPER SURFACE OF LOGS TO PROVIDE A LEVEL SEATING SURFACE TO PREVENT FROM WEARING.

TIMBER & TIMBERS: SOLO SAWN TIMBER MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF THE GRADING RULES AGENCY FOR THE SPECIES, TYPE, AND GRADE SPECIFIED BELOW.

DECK PLANK, SAILS, AND BACKING PLANKS
- COASTAL REGION DOUGLAS FIR - LARCH ROUGH SAWN NO. 1 GRADE, GRADING RULES AGENCY - WAPA, WCB

RUNNING PLANKS
- COASTAL REGION DOUGLAS FIR - LARCH ROUGH SAWN NO. 2 GRADE, GRADING RULES AGENCY - WAPA, WCB

RAILS & POSTS (SEE PROJECT CRITERIA)
- SAWN - TREATED
- REDWOOD, SGS, NO. 1 GRADE GRADING RULES AGENCY - RT
- WESTERN REDcedar, SGS, SELECT STRUCTURAL GRADE GRADING RULES AGENCY - WAPA, WCB
- SAWN - TREATED
- HCA - FIR/DOUGLAS FIR, SGS, NO. 1 GRADE GRADING RULES AGENCY - WAPA, WCB

POLES
- LOGGED POLE SAWN, PEELED AND DRIED, GRADING RULES AGENCY - NDS

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 (WAPA) SPECIFICATIONS USING THE TREATMENT MATERIALS LISTED BELOW. TREATMENT WILL COMPLY WITH THE "REQUIREMENTS OF THE CURRENT EDITION OF WESTERN WOOD PRESERVERS INSTITUTE (WPI) "TREAT MANAGEMENT PRACTICES FOR THE USE OF TREATED WOOD IN AQUATIC ENVIRONMENTS."

STRINGERS, DECKING, RUNNING PLANKS, & RAILING SYSTEM, TREATED
- WAPA USE CATEGORY SYSTEM (U) FOR USE CATEGORY 2A, ABOVE GROUND-EXPOSED (UCA2)
- PENTACHLOROPHENOL IN LIGHT OIL (TYPE C SOLVENT)
- COPPER NAPHTHALENE (CGN) IN LIGHT OIL (TYPE C SOLVENT)
- SILLS, BACKING PLANKS, CRES, & TIMBER WALLS, TREATED
- WAPA USE CATEGORY SYSTEM (U) FOR USE CATEGORY 4B, GROUND CONTACT HEAVY DUTY (UC4B)
- PENTACHLOROPHENOL IN HEAVY OIL (TYPE A SOLVENT)
- COPPER NAPHTHALENE (CGN) IN HEAVY OIL (TYPE A SOLVENT)

FIELD TREATMENT: COPPER NAPHTHALENE (2% SOLUTION) SHALL BE FURNISHED FOR FIELD TREATEDLOGS. ALL WOODS, ALL MATERIALS AND FIELD DETAILS - APPROVED BY THE C.O.O. - SHALL BE CAREFULLY TRIMMED AND THEN THREE BRUSH COATS OF THE FIELD TREATMENT SOLUTION WHERE APPROVED. FELD DRILLING OF BOLT, SCREW OR NAIL HOLES IS REQUIRED. THE HOLES SHALL BE FILLED WITH PRESERVATIVE PRIOR TO INSERTING THE FASTENERS.

THE ENDS OF UNTREATED LOG STRINGERS (REFER TO THE PROJECT DESIGN CRITERIA), SHALL ALSO RECEIVE THREE BRUSH COATS OF THE FIELD TREATMENT PRIOR TO INSTALLATION OF THE STRINGERS.

HARDWARE AND STRUCTURAL STEEL: SEE PROJECT CRITERIA FOR STEEL HARDWARE, GANZI OR UNFINISHED HARDWARE SHALL MEET THE REQUIREMENTS OF ASTM A570, GRADE 50, WITH NUTS AND BOLTS CONFORMING TO ASTM A325, GRADE 5. WEATHERING STEEL AND HARDWARE SHALL MEET THE REQUIREMENTS OF ASTM A572, GRADE 50. WITH BOLTS AND NUTS CONFORMING TO ASTM A325, TYPE 3. USE MALEABLE IRON WASHERS AGAINST WOOD UNLESS OTHERWISE NOTED.

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 OR SERVICE.

FABRICATION: SUBMIT SHOP DRAWINGS FOR ALL MANUFACTURED BRIDGE COMPONENTS (EXCEPT TIMBER, RUNNING PLANKS). SHOW ALL DIMENSIONS AND FABRICATION DETAILS FOR ALL CUT OR BORED Holes. FIELD DRILLING OF HOLES SHALL NOT BE ALLOWED UNLESS OTHERWISE NOTED ON THE PLANS.

TWIES TO BE USED FOR STRINGERS SHALL BE PEELED AND THEN HAVE AN ADDITIONAL 1/2-INCH OF THE OUTER SAPWOOD REMOVED PRIOR TO BEING USED FOR STRINGERS.