<table>
<thead>
<tr>
<th>STRUCTURE NUMBER</th>
<th>TRAIL NO.</th>
<th>BRIDGE LOCATION</th>
<th>BRIDGE LENGTH</th>
<th>SET-TO-OUT</th>
<th>STRINGER SPAN</th>
<th>BRIDGE CLEAR WIDTH</th>
<th>PEDESTRIAN LOAD</th>
<th>GROUND SNOW LOAD</th>
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(NA = NOT APPLICABLE, BACKWALL TYPE: ST = STONE, W = WOOD)

<table>
<thead>
<tr>
<th>RAILING SYSTEM/CURB</th>
<th>RUNNING PLANK</th>
<th>SILL</th>
<th>APPROACHES</th>
<th>HARDWARE</th>
</tr>
</thead>
<tbody>
<tr>
<td>STRUCTURE NUMBER</td>
<td>SPECIES TYPE</td>
<td>HEIGHT</td>
<td>MATERIAL TYPE</td>
<td>TREATMENT YES NO</td>
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(RAILING SYSTEM/CURB MATERIAL TYPE: R = ROUN LOG, D = DIMENSIONAL LUMBER
AGUMENT MATERIAL TYPE: SL = SOLID SLAB, GLU = GLU/LAM, CONC = CONCRETE
HARDWARE COATING TYPE: GALV = GALVANIZED, UNC = UNCOATED, HEX = HEANTHE STEEL)
GENERAL NOTES:

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

LOG MEMBERS: LOGS USED FOR STRINGERS SHALL BE DOUGLAS FIR OR WESTERN LARCH WITH MINIMUM PEELED. MIRRAH-SPAN LOG DIAMETER 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 CHOOSEN FROM TREES WITH RELATIVELY FEW LIMBS, AND HAVE NO KNOT GREATER THAN 5-INCH IN DIAMETER. LOGS SHALL BE DRESSED AT END TO CREATE A LEVEL SEATING SURFACE AT SUPPORTS TAKING CARE TO AVOID OVER Clogging. HEWN UPPER SURFACE OF LOGS TO PROVIDE A LEVEL TREAD SURFACE MAY REFER TO DRAWING FOR HEWN DETAILS.

TIMBER & LUMBER: SOLO SAWN TIMBER MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF THE GRADE MANUFACTURED 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, GRADE RULES AGENCY - WIPFA, WCLB
  - RUNNING PLANKS
    - COASTAL REGION DOUGLAS FIR - LARCH ROUGH SAWN NO.2 GRADE, GRADE RULES AGENCY - WIPFA, WCLB
  - RAILS & POSTS (SEE PROJECT CRITERIA)
    - SAWN - Untreated
      - REDWOOD, S4S, NO.1 GRADE GRADE RULES AGENCY - NRRA
      - WESTERN RED CEDAR, S4S, SELECT STRUCTURAL GRADE GRADE RULES AGENCY - WIPFA, WCLB
    - MIXED - FR/DOUGLAS FIR, S4S, NO.1 GRADE GRADE RULES AGENCY - WIPFA, WCLB
  - POLES
    - DOUGLAS PINE, PINE, PINE, AND DRIED GRADE AGENCY - NOSA

TREATMENT: SEE PROJECT CRITERIA FOR MEMBERS IDENTIFIED TO BE TREATED. FOR TREATMENT THESE 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 PRESERVORS INSTITUTE (WWPI) "TREATMENT MANAGEMENT PRACTICES FOR THE USE OF TREATED WOOD IN AQUATIC ENVIRONMENTS".

STRINGERS, DECKING, RUNNING PLANKS, & RAILING SYSTEM, IF TREATED
- AWPA USE CATEGORY 4A FOR USE CATEGORY 4A ABOVE GROUND-EXPOSED (UC12)
- MERHAPHENUMIN (MCM) IN LIGHT OIL (TYPE D SOLVENT)
- COPPER NAPHTHALENE (C100) IN LIGHT OIL (TYPE C SOLVENT)
- SILLS, BACKING PLANKS, CHRS, & TIMER WIALLS, IF TREATED
- AWPA USE CATEGORY 4A FOR USE CATEGORY 4A ABOVE GROUND-HEAVY DUTY (UC18)
- MERHAPHENUMIN (MCM) IN HEAVY OIL (TYPE A SOLVENT)
- COPPER NAPHTHALENE (C100) IN HEAVY OIL (TYPE D SOLVENT)

FIELD TREATMENT: COPPER NAPHTHALENE (2% SOLUTION) SHALL BE USED FOR FIELD TREATED WOOD. ALL CUTTING AND FIELD TREATED - APPROVED BY THE CDR - SHALL BE CAREFULLY TRAINED AND THREE BRUSH COATS OF FIELD TREATMENT. TREATMENT WHERE APPROVED. FIELD DRILLING OF BOLT, SCREW OR NAIL HOLES IS REQUIRED. HOLES SHALL BE FILLED WITH PRESERVATIVE PRIOR TO INSTALLING 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 FASTENING PLANKS.


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 THE STRUCTURAL 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 TIMBERS. FIELD DRILLING OF HOLES SHALL NOT BE ALLOWED UNLESS OTHERWISE NOTED ON THE PLAN.

TREES 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.
GENERAL NOTES:

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

LOG MEMBERS: LOGS USED FOR STRINGERS SHALL BE DOUGLAS FIR OR WESTERN LARCH WITH MINIMUM FEELED, WIDESPAN LOG DIAMETER AS NOTED FOR THE VARIOUS SPANS AND BEING NAME. TIES TO BE USED FOR BRIDGE STRINGERS SHALL BE STRAIGHT, SOUNDR, AND FREE OF DEFECTS AND NOT STRINGERS SHALL BE CHANCED FROM TREES WITH RELATIVELY FEW LIMBS, AND HAVE NO KNOT GREATER THAN 3-INCH IN DIAMETER. LUGS SHALL BE CAPDED AT ENDS TO CREATE A LEVEL SANDING SURFACE AT SUPPORTS TIES CARE TO AVOID OVER CUTTING. HENH UPPER SURFACE OF LOGS TO PROVIDE A LEVEL SANDING SURFACE TO CENTERS SUPPORTS TO AVOID OVER CUTTING.

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

DECK PLANKS, SILLS, AND BACKING PLANKS
SOUTHERN PINE NO.2 GRADE GRADING RULES AGENCY - SPH
RUNNING PLANKS
SOUTHERN PINE NO.2 GRADE GRADING RULES AGENCY - SPH
RALS & POLES (SEE PROJECT CRITERIA)
SAWN - UNTREATED
BALSAM/PINE, S4S, NO.1 GRADE GRADING RULES AGENCY - SPH
WHITE OAK, S4S, NO.1 GRADE GRADING RULES AGENCY - SPH
SAWN - TREATED
SOUTHERN PINE, S4S, NO.2 GRADE GRADING RULES AGENCY - SPH
POLES
SOUTHERN PINE, FEEDED AND DRIED, GRADE GRADING RULES AGENCY - SPH

TREATMENT: SEE PROJECT CRITERIA FOR MEMBERS IDENTIFIED TO BE TREATED AND FOR TREATMENT. PREVENTIVE TREATMENT SHALL BE IN ACCORDANCE WITH THE CURRENT AMERICAN FOREST PROTECTION ASSOCIATION (AFPA) SPECIFICATIONS USING THE TREATMENT MATERIALS LIKED BELOW. TREATMENT WILL COMPLY WITH THE REQUIREMENTS OF THE CURRENT EDITION OF WESTERN WOOD PRESERVING INSTITUTE (WWFI) "BEST MANAGEMENT PRACTICES FOR THE USE OF TREATED WOOD IN AQUATIC ENVIRONMENTS'.

STRINGERS, DECKING, RUNNING PLANKS, & RAILING SYSTEM, IF TREATED
- AFPA USE CATEGORY SYSTEM (UC) FOR USE CATEGORY 1B ABOVE GROUND-EXPOSED (LC1B)
- PENTACHLOROPHENOL IN LIGHT OIL (TYPE C SOLVENT)
- COPPER NAPHTHALENATE (CNA) IN LIGHT OIL (TYPE C SOLVENT)
- SDEC PLANKS, CURES, & TIMBER WALLS, IF TREATED
- AFPA USE CATEGORY SYSTEM (UC) FOR USE CATEGORY 4B GROUND CONTACT-HEAVY DUTY (LC4B)
- PENTACHLOROPHENOL IN HEAVY OIL (TYPE A SOLVENT)
- COPPER NAPHTHALENATE (CNA) IN HEAVY OIL (TYPE A SOLVENT)

FIELD TREATMENT: COPPER NAPHTHALENATE (2X2 SOLUTION) SHALL BE FURNISHED FOR FIELD TREATMENT OF WOOD. ALL ARMS AND FIELD CUTS - APPROVED BY THE C.I.R. - SHALL BE CAREFULLY TRIMMED AND CHEDD THREE BROUSH COATS OF THE FIELD TREATMENT SOLUTION. WHERE APPROVED, FIELD GRILLING OF BOLT, SCREW OR NAIL HOLES IS REQUIRED. THE HOLES SHALL BE FILLED WITH PREVENTIVE PRIOR TO INSERTING THE FASTENERS.

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

HARDWARE AND STRUCTURAL STEEL: SEE PROJECT CRITERIA FOR STEEL HARDWARE FINISHES (GALVANIZED OR UNTREATED) HARDWARE SHALL MEET THE REQUIREMENTS OF ASTM A572, GRADE 50, WITH BOLTS AND NUTS CONFORMING TO ASTM A325, GRADE 4, WILLOW, STEEL AND HARDWARE SHALL MEET THE REQUIREMENTS OF ASTM A325, GRADE 50, WITH BOLTS AND NUTS CONFORMING TO ASTM A325, GRADE 4, WILLOW.

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 WOOD STRINGER PLANKS). SHOW ALL DIMENSIONS AND FABRICATION DETAILS FOR ALL CUT O. BORED HOLES. FIELD DRILLING OF HOLES SHALL NOT BE ALLOWED UNLESS OTHERWISE NOTED IN THE PLANS.

TIES TO BE USED FOR STRINGERS SHALL BE FEEDED AND THEN HAVE AN ADDITIONAL 1/2-INCH OF THE OUTER SAWN WOOD REMOVED PRIOR TO BEING USED FOR STRINGERS.