GLU-LAM/SAWN TIMBER SILL
CONNECTION DETAIL

** Timber sill can be either 12" x 12" solid sawn 10 3/4" x 12" Glu-laminated. Built-up 3" x 12", 4" x 12", or 6" x 12" Treated members.

NOTES:

- 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 (FP-03) and standard specifications for construction of trails and trail bridges on Federal Projects.
- Concrete use structural concrete with 2 sack minimum mix approved by the C.O. Concrete shall receive a troweled surface finish. Concrete shall have 4"-6" entrained air. Maximum size aggregate shall be 3/4"-inch and concrete slump shall not exceed 4-inches.
- Reinforcing steel: Provide reinforcing steel that conforms to ASTM A615 (MASHFLY) Maximum Grade 60. Provide 2-inch clear concrete cover for all rebar, unless noted otherwise on the plans.
- Hardwood and structural steel see Sheet 3 for project design criteria and general notes.
- Treated timber & lumber: Refer to the general notes on the substructure drawings for treated timber & lumber specifications and field treatment of wood.
- Lag screw installation: Pre-bore lag screw holes using two diameters, one for the Shank and one for the threads. The lead hole for the Shank is to be 1/16-inch larger than the Shank diameter and is to be bored to the depth of penetration of the Shank. The lead hole for the threaded portion is to be 70% of the bolt diameter as shown on the plans and is to be bored at least to the length of the threads. Do not drive Lag Screws with a hammer.

END VIEW
SIDE VIEW

BEARING SHOE DETAIL

Material = 1/2" Steel Plate A36