Portable Timber Bridge for Off-Highway Vehicles

Longitudinal Glued-Laminated Timber Bridge
Deck Panels Equipped with Steel Protector Plates and Lifting Brackets

Bridge Design Specifications

Bridge Application: Used by log skidders or other similar construction equipment
Design Vehicle: 35,000 lb wheeled skidder with 10 ft wheelbase
Design Deflection Limitation: none
Curb / Rail Requirements: none
Supplemental Wearing Surface: none
Bridge Material: glued-laminated timber, Southern Pine
Combination 48, creosote preservative treatment
Bridge Length: 26 ft – 0 in.
Bridge Panel Width: 48 in.
Bridge Panel Thickness: 8.5 in.
Installation Equipment: grapple skidders or similar forestry and construction equipment
Installation Time: less than 30 minutes

Installation Procedures: Grapple skidders can drag the bridge panels to the stream crossing site, turn around and using their grapples, place the panels on the stream banks. Logs are usually placed between the bridge panels to prevent debris from falling into the stream during use.


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