

# TIMBER BRIDGES



WESTERN WOOD



STRUCTURES



This 180' pedestrian bridge in California includes two 60-ft. clear span sections, and employs a radiused rail system in order to minimize environmental impact.



28' x 150' four-span, vehicular girder bridge with simulated bowstring truss in North Carolina.



12' x 60' side girder pedestrian bridge with radiused boardwalk.

# ABOUT US

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People have always appreciated the timeless appeal of wood. And timber products are naturally durable, versatile and cost-effective.

Western Wood Structures designs and supplies vehicular, pedestrian, golf course, park, equestrian and garden bridge systems using pressure treated glued laminated timbers (glulam).

We supply completely pre-fabricated, custom-designed bridge packages, using the highest quality glulam, sawn timber, hardware and steel. All wood members are pressure treated after fabrication, providing a comprehensive treatment envelope.

Our bridge packages include detailed fabrication and assembly drawings that enable even inexperienced field personnel to install a typical bridge kit in a minimal amount of time.



Or, if you prefer, our experienced crews are available to install your timber bridge. Either way, Western Wood Structures is your complete timber bridge company.

Whether your intended choice is a small wooden bridge spanning a mountain stream,

or the longest, clear-span, timber vehicular-bridge in the world, we

welcome your inquiries. Call our experienced timber bridge sales

team for a cost estimate. Our staff

will continue to work with you as

your bridge is designed, fabricated and shipped, offering the expertise that only decades of specialization can bring. We invite you

to take a look at a sampling of our projects and capabilities as we showcase the award-winning,

engineered timber bridge designs of Western Wood Structures.



A 10' x 285' parallel chord truss covered bridge with a roof designed to withstand a 430 psf snow load.



At 16' x 475', this award-winning, cable-stayed bridge in Japan is the longest clear-span timber vehicular bridge in the world.



This modern day example of a covered bridge in Rhode Island offers an adjacent fishing pier. A decorative arch was used to enhance aesthetics.

# WHY US? 10 REASONS...

Ten reasons to have your bridge designed and supplied by Western Wood Structures:

1. We have designed and supplied more than 5,000 timber bridges since 1969.
2. Design costs are included in the quoted price.
3. We use the latest computer software to design the most efficient bridge systems possible.
4. Due to our level of experience as a supplier of complete bridge packages, we can quickly deliver preliminary estimates based on the bridge length, width and loading.
5. Since our bridges are custom-designed, we can provide a bridge to fit site conditions and code requirements while also meeting aesthetic goals.



6. Our accurate fabrication details allow the bridge members to be fabricated before pressure treatment, thus preserving the treatment envelope.
7. Our bridges arrive at the site as a complete package, including all the timber members, steel connectors and hardware required to assemble your bridge.
8. Our experienced construction crews understand all aspects of bridge assembly and installation.
9. Our timber bridge designs have won more industry awards than any other bridge supplier.
10. Our engineers work closely with the timber industry in writing codes for timber bridges, ensuring designs that contain the latest developments and standards.



Left: The capabilities of glulam allowed a double-radiused girder that was requested to match an existing structure.  
Center: A tipped arch adds to the distinctive styling of this pedestrian bridge in Maine.  
Right: This bridge was commissioned by the Forest Service to span a small river in Oregon.



This 24' x 36' vehicular girder bridge is designed to carry a load of 72,000 lbs (HS-20), and includes a decorative rail.



A 10' x 136' bowstring truss pedestrian bridge, assembled on-site and installed using a crane.



The 8' x 106' timber suspension bridge at The Oregon Zoo enhances the natural setting.



One of the longest timber bridge spans in the United States, this structure in California measures 12' x 410'.



This 6' x 11' pedestrian bridge requires no preservative treatment since Port Orford Cedar is a decay-resistant species.



A 7' x 100' arch-under bridge in Washington was assembled at Western Wood Structures, then shipped to the site, where a crane was employed to facilitate the installation. (See cover photo for completed bridge).



# WESTERN WOOD STRUCTURES

Working Wonders with Wood



Due to its complex geometry, this 18' x 390' under-deck arch bridge was designed using 3D modeling technology.

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