

Bridge Girders



County Prestress & Precast's Bridge Girders are manufactured from prestressed concrete to deliver the strength and durability needed for roadway bridges, railroads, airports, and other specialized infrastructure projects requiring long spans, high loads, and rapid construction. From initial design coordination through delivery and installation, County Prestress & Precast provides dependable strength, long-term durability, and consistent results to contractors, engineers, municipalities, and project stakeholders.

Prestressed concrete girders offer a resilient, long-term solution for modern infrastructure demands. Manufactured in controlled environments, off-site fabrication allows for fast installation, fewer temporary support structures, and reduced jobsite disruption. This streamlined approach improves schedule predictability, enhances safety, and helps contractors manage labor and overall project costs efficiently. It also supports enhanced load-bearing capacity over long spans for demanding transportation infrastructure applications.



Bridge Girders



When properly installed, prestressed concrete girders can serve communities for up to 75 years, maintaining structural integrity under heavy loads and environmental stress. Their inherent strength, resistance to cracking, and resilience against freeze/thaw cycles support dependable long-term performance in harsh climates and challenging environmental conditions.

Concrete girders also deliver significant lifecycle advantages by minimizing maintenance requirements. Unlike steel alternatives, they do not rust or corrode and are naturally resistant to fire, rot, and weather-related deterioration. This reduces the need for ongoing repairs and extends service intervals, which results in lower lifecycle costs and more consistent long-term performance. In addition to their structural benefits, prestressed concrete girders contribute to a clean, cohesive finished appearance that performs for decades under demanding conditions.

Applications

- Highway bridge and tunnel projects
- Railroad bridges
- Urban and local road bridges
- Airport and industrial infrastructure
- Bridge replacement and accelerated bridge construction (ABC)

Specifications

- Custom and standard sizes available
- Standalone product

Advantages

- Girders are manufactured to regional DOT standards, ensuring compliance and consistent performance across municipal, highway, and transportation infrastructure projects.
- Delivery is included, simplifying logistics and coordination while reducing cost and complexity for contractors managing demanding project schedules.
- PCI- and NPCA-certified facilities deliver precision manufacturing, rigorous quality control, and dependable, repeatable performance across every girder.
- Made in the USA, County Prestress & Precast's concrete products support domestic manufacturing while ensuring reliable supply chains, responsive service, and adherence to strict production standards.
- Customizable sizing options allow bridge girders to meet exact project specifications, supporting efficient design, optimized span layouts, and site-specific performance requirements.
- Minimal maintenance requirements help reduce long-term repair needs, lowering lifecycle costs and keeping structures in service with fewer disruptions.
- Enhanced load-bearing capacity over long spans supports heavier traffic demands while minimizing the need for intermediate supports.
- An extended service life of 75 years or more provides long-term durability and reliability while minimizing replacement frequency.
- Resilience against freeze/thaw cycles ensures durability in harsh climates, helping protect structural integrity and extend performance in challenging environments.
- Short lead times and responsive delivery services keep projects on schedule, supporting fast construction timelines and reducing delays in critical infrastructure applications.



**Proud to be American based
and American made since 1946**