Precast / Prestressed Bridge Systems

Precast / Prestressed concrete is the material of choice for bridge and commercial structures. This is due to the fact that this type structure has proven itself to be durable, economical and low-maintenance. Precast / Prestressed concrete construction products are fabricated in a plant environment with PCI qualified quality control and delivered to projects with specialized hauling equipment as required.

Prestressed Concrete Girder Bridges

- Standard AASHTO Sections Types I, II, III and IV. (Special designs are available.)
- Bulb-Tee Girder Sections Types BT-54, BT-63 and BT-72. (Special designs are available.)
- There is no limit to roadway widths. Typical girder spacings range from 5'-0" to 9'-0" (as required by design).
- High strength concrete is available for special applications.

Prestressed Concrete Bridge Applications

- vehicular bridges
- railroad bridges
- pedestrian bridges
- pipeline support bridges
- docks

Advantages

- assured quality control (PCI certified plant)
- flexibility in design
- More durable and economical than other bridge systems such as timber or steel.
- Special modified sections are available with extended span ranges up to 165 feet.
- technical support for owners and designers

Applicable Bridge Specifications

The following specifications apply to Precast / Prestressed concrete girders manufactured

- various State Departments of Transportation
- PCI Certifications
- AASHTO Standard Specifications for Highway Bridges (HS20 Loading)

Other Precast / Prestressed Concrete Products Available

- stadium structures
- flat panels
- custom precast / prestressed products

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ENGINEERED SOLUTIONS