FORTERRA®

CROWNSPAN PRECAST BRIDGE UNITS

PRODUCTS

GROUNDED IN STRENGTH

Allow our broad range of cost-effective customizable products to bring value to your next project.

At Forterra we take pride in our ability to bring our customers the affordable, quality construction materials they need. Providing pre-fabricated designs that save time and money while increasing safety is one of many ways we do just that.

Precast bridge units

Precast bridge units are an excellent solution for installations where precast box culverts cannot carry the required flow, uninterrupted opening spans are necessary, or short installation time is important. Precast bridge units are designed to carry highway traffic loads with little or no cover. The units can be skewed up to 45 degrees to accommodate specific stream-crossing angles. Units are installed on precast or cast-in-place strip footers, stem walls or drill-shaft pilings, depending on native soil-bearing capacity. Forterra provides the P.E. sealed design for both the precast bridge units and the footings.

Applications:

Precast bridge units can be used for the following:

- highway bridges
- highway culverts
- storm drains
- utility tunnels
- underground stormwater retention structures
- groundwater recharge systems
- to replace existing open channels or ditches and enable land to be used more productively
- mine and tunnel entrance portals

Sizes

CrownSpan Precast Bridge Units are available in a variety of spans and rises. Contact your local Forterra representative for a list of sizes in your area.

Joints

CrownSpan Precast Bridge Units can be easily joined/connected together using a variety of joint methods.

Connections

Connections can be provided for wing walls, head walls, parapets, guard rails and other required appurtenances.

Applicable Specifications

The following specifications apply to precast bridge units:

ASTM
AASHTO
ACI
state DOTs

The Shape of Value

By combining the efficiency of precast materials and the durability of concrete, not only can projects be finished in less time, at lower cost, with minimal downtime, but they're also built to withstand the demands of time and pressure.

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