



Covering a wider span of applications.

Precast units offer added strength and capacity.



CrownSpan 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. Hanson provides the P.E. sealed design for both the precast bridge units and the footings.

Hanson Pipe & Precast is a leader in concrete pipe and precast concrete products. Our national network of facilities means that we can deliver materials when and where you need them.

Sizes

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

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

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

