

PRODUCTS



Precast Box Culverts



Uses

Precast Concrete Box Culverts can function as a structure, a conduit or both! They are recommended for applications where circular concrete pipe cannot provide adequate flow capacity. Precast Boxes are a superior substitute for cast-in-place box culverts, long-span metal arches, short bridges and multi-barrel circular culverts.

Sizes

Size Ranges:

Spans— 6' to 20'

Rise— 3' to 12'

Contact your Sherman-Dixie representative for other sizes and/or restrictions.

Description

Precast Boxes are very versatile and offer many advantages which include:

- Dependable, predictable structural integrity
- Minimum traffic delays
- Full or 3-sided Box shapes
- Cast in Nationally Certified facilities (ACPA/NPCA)
- Minimal Environmental Impact
- High Early Compressive Strengths
- Faster, Easier and Safer than Cast-in-Place Boxes
- Ease of Installation: 6' laying lengths



Precast Box Culverts

Applicable Specifications

- ASTM C789/AASHTO M259 Precast – Reinforced Concrete Box Sections
- ASTM C850/AASHTO M273 Precast – Reinforced Concrete Box Sections with less than 2 feet of cover
- ASTM C1433 Precast – Reinforced Concrete Box Sections (latest revision of C789 and C850)

Application

Precast Box Culvert sections can be used for the following:

- Highway culverts
- Railroad culverts
- Storm drains
- Detention systems
- Short span highway bridges
- Livestock, pedestrian or golf cart crossings
- Utility tunnels
- To replace existing open channels or ditches and/or facilitate expansion of land use.

Joints

Precast box sections are produced with reliable tongue and groove joints, which can be sealed with mastic joint, pre-formed mastic or butyl gaskets, mortar and external joint wraps.



www.shermandixie.com