

PRECAST CONCRETE BOX CULVERTS



QUICK TURN-AROUND.
DEMANDING CONDITIONS.
SOLID PERFORMANCE.

THINK INSIDE THE BOX...

Precast concrete box culverts are among the most versatile and cost-effective products on the market today, meeting and exceeding the needs of a variety of fast-paced construction projects.

Precast box culverts can serve as:

- underpasses
- tunnels
- subways
- bridges
- stream culverts
- material handling
- storage
- watertight tanks and more

precast
makes it possible™



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STRENGTH

The load-carrying capacity of precast concrete is derived from its own structural qualities and does not rely on the strength or quality of the surrounding backfill materials. In addition, the strength of precast concrete gradually increases over time. Properly designed precast concrete box culverts can easily support vehicular, aircraft and railway loads meeting AASHTO, FAA and AREMA specifications.

QUALITY

Because precast concrete products are manufactured in a controlled environment, they exhibit high quality and uniformity. Precast concrete box culverts installed with high-quality sealants offer a superior solution to watertightness requirements.

EASE OF INSTALLATION

Because precast concrete box culverts are manufactured well in advance of installation, they are ready for transportation to the job site at a moment's notice. They are installed in a matter of hours using a crane and a small crew. Backfilling can begin immediately, rather than waiting several days or more for cast-in-place concrete to gain proper strength. Once backfilled, road construction can begin, greatly reducing the deviation of any associated lanes and congestion in the surrounding communities.

REDUCED WEATHER DEPENDENCY

With precast concrete, weather will not delay the manufacturing process or significantly affect the schedule. Conversely, forming and placing of concrete for cast-in-place applications can be delayed significantly due to poor weather conditions.

AESTHETICALLY PLEASING

Precast concrete box culverts can also include spandrel and wingwall panels with a variety of finishes and colors. Each is distinctly different, providing specifiers and owners a broad choice in appearance. Architectural finishes complement the surrounding environment.

ENVIRONMENTALLY FRIENDLY

Precast concrete is nontoxic, environmentally safe and made from all natural materials, making it an ideal material for use below grade or for the conveyance of water. Concrete has no proven ill effects on groundwater and surface water quality, which helps preserve our natural water resources.

COST EFFECTIVENESS

Incorporating precast concrete box culverts into your next project can save you time and money. Fewer skilled laborers and fewer man-hours will be required for the project, making precast concrete box culverts ideal for meeting the needs of today's fast-paced construction projects.

Whether you are spanning a small creek, designing a combined sewer overflow system or housing telecommunications equipment below grade, precast concrete box culverts are the clear choice.

precast
makes it possible™



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