Structural Plate Bridge Solutions for Counties & Municipalities
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Bridge Replacement Options

Contech Engineered Solutions has been working with County and Municipal partners developing solutions for small bridge replacements for over 80 years. Structural Plate bridges give local county engineers and road superintendents a quick, cost-effective solution for replacing their deteriorating bridges. Plate structures allow highway agencies and municipalities to dramatically reduce construction time and traffic disruptions when replacing structures. These pre-engineered structures provide efficient materials and speed up construction by allowing you to use local forces or non-specialty contractors. Now you can expand your buying power and maintain your budgets while replacing more bridges.

Advantages

- Prefabricated parts fit a complete bridge on a truck
- Lightweight materials for faster assembly by county forces
- Transport larger structures in nested sections, assemble on-site and lift complete structures with lighter equipment
- Lower overall installed costs
- Select from a variety of pre-engineered shapes and sizes
- Multiple end treatment options and configurations
- Minimize road closure time and improve project safety
- Long history of strength, durability and economy
- Ideal structures for rehabilitation and relining
- Corrosion/abrasion resistance
- Clear span options simplify permitting process
- Engineering design and project support

Applications

- Small bridges
- Culverts and conduits
- Stream enclosures
- Grade separations
- Pedestrian, wildlife and vehicular underpasses
- Storage dome/salt sheds
- Relining for existing aging structures

Stretch Your Buying Power with Aluminum Box Culvert
Cook County, MN

Easy Assembly with Aluminum Box Culvert
St. Louis County, MN

MULTI-PLATE® Pipe-Arch
Duluth, MN

ALSP with Metal Headwalls
Greene County, NC

ALBC Pedestrian Underpass
Ocala, FL
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Rehabilitation »

When evaluating the condition of an existing structure, it can be beneficial to evaluate the structure for rehabilitation over full replacement. Many times it is possible to reline a failing structure with a new structural plate product. This can help reduce the overall project cost, reduce construction time and eliminate safety problems associated with full replacement.

Invert/Foundation Options »

- Full invert (round, pipe-arch, ellipse and box culvert)
- Buried invert
- Cast-in-place footings
- Precast footings
- EXPRESS™ Foundations (blends the speed of precast with the economy of cast-in-place)

Delivery & Installation Process »

Installing Contech Structural Plate will help reduce overall construction time on a project, minimize detours and road closures while improving overall project safety. It is important for people to have the access needed to their homes and business with minimal conflicts from their local roadway departments. Contech helps make that happen with local representatives available for pre-construction meeting and start-up assistance.
Design Resources & Support »

Contech Engineered Solutions Design Your Own Bridge (DYOB*) online design tool for both ALBC and Plate makes it easy to create the bridge that you need.

- Visit www.ContechES.com/dyob
- Choose the Start Building» for your bridge type
- Enter the parameters for your bridge
- Receive an isometric drawing of your Contech Bridge structure in an e-mail in a matter of minutes.

DYOB* is available for our precast, plate and truss products and is a part of Contech’s suite of DYO Project tools.

Additional Bridge Solutions »

Contech Engineered Solutions is a leading provider of site solutions for the civil engineering industry. Contech’s portfolio includes bridges, drainage, erosion control, retaining wall, sanitary, stormwater and wastewater products.

For more information, call one of Contech’s Regional Offices located in the following cities:

**Ohio (Corporate Office)** 513-645-7000
California (Rosevill) 800-548-4667
Colorado (Denver) 720-567-2700
Florida (Orlando) 321-348-3520
Maine (Scarborough) 207-885-9830
Maryland (Baltimore) 410-740-8490
Oregon (Portland) 503-258-3180
Texas (Dallas) 972-590-2000

www.ContechES.com 800.338.1122


Your Contech Sales Representative

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