

Structural Plate Bridge Solutions for Counties & Municipalities



Structural Plate Bridge Solutions for Counties & Municipalities

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.**



Stretch Your Buying Power with Aluminum Box Culvert

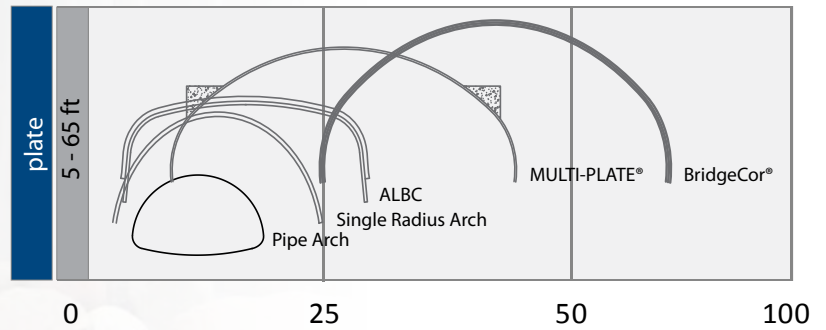
Cook County, MN

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



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

Structural Plate Bridge Solutions for Counties & Municipalities



Reline with Aluminum Box Culvert

Peace Dale, RI

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)

Foundation Options			
Full Invert	Buried Invert	Cast-in-Place w/ unbalanced channel	EXPRESS Foundations

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.



EXPRESS Foundations with Aluminum Box Culvert

Brown County, WI



ALBC with Wood Treatment Nestrand Park, MN



All-Steel Beam Bridge Solutions Available



BridgeCor® with Keystone®

Morenci, AZ

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 »



Precast Bridge Systems



Vehicular & Pedestrian Truss Bridges



Contech Bridge Plank

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)

California (Roseville)	513-645-7000
Colorado (Denver)	800-548-4667
Florida (Orlando)	720-587-2700
Maine (Scarborough)	321-348-3520
Maryland (Baltimore)	207-885-9830
Oregon (Portland)	410-740-8490
Texas (Dallas)	503-258-3180
	972-590-2000

www.ContechES.com
800.338.1122

NOTHING IN THIS CATALOG SHOULD BE CONSTRUED AS AN EXPRESSED WARRANTY OR AN IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. SEE THE CONTECH STANDARD CONDITION OF SALES (VIEWABLE AT www.ContechES.com/COS) FOR MORE INFORMATION.

Visit www.conteches.com/plate to download the Structural Plate Design Guide.



Your Contech Sales Representative

