

PEDESTRIAN
TRUSS & ROLLED GIRDER
REFERENCE GUIDE



CONTECH[®]
ENGINEERED SOLUTIONS
A QUIKRETE[®] COMPANY

EXPRESS TRUSS
CONTINENTAL[®] BRIDGE

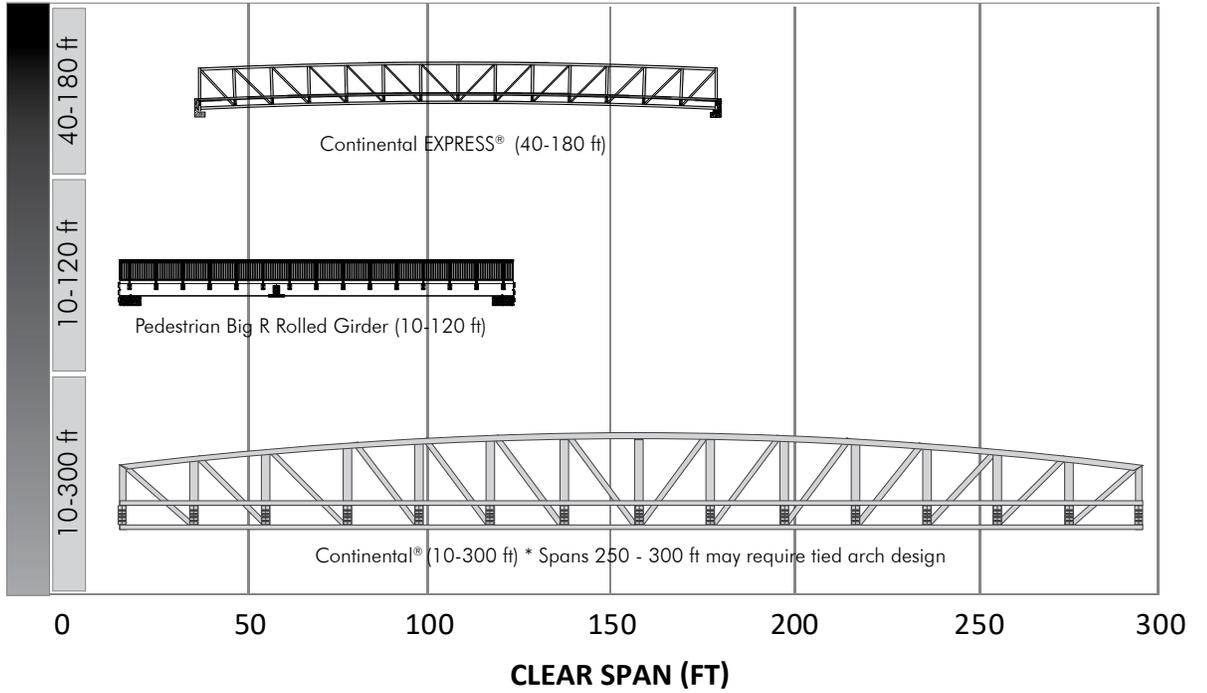
CONTINENTAL
BRIDGE

BIG R
BRIDGE[®]

PEDESTRIAN TRUSS & ROLLED GIRDERS

Clear Span Bridges

PEDESTRIAN TRUSS & ROLLED GIRDERS



Continental EXPRESS Pedestrian Truss Bridge



Big R Pedestrian Rolled Girder Bridge



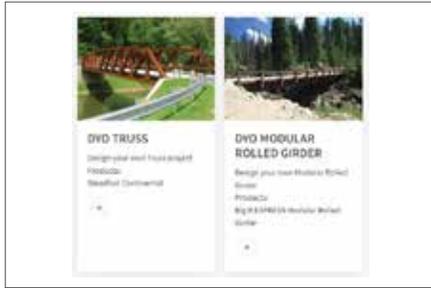
Continental Pedestrian Truss Bridge



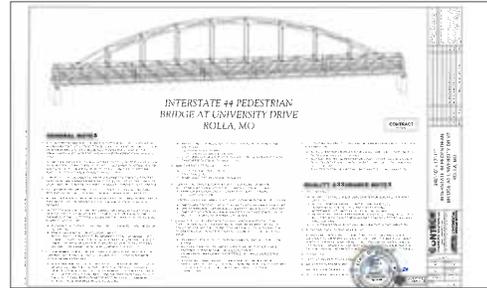
Continental Custom Pedestrian Truss Bridge

PROCESS | CONCEPT. DESIGN SUPPORT. FABRICATION. INSTALL.

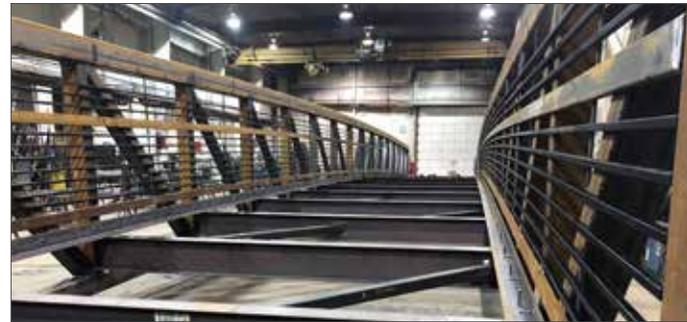
CONCEPT/DESIGN



- Preliminary Concept Drawings (DYOB)
- Reactions, Specifications, Bid Drawings and Details
- Stamped Bridge Submittal Package
- Stamped Abutment Design



FABRICATION



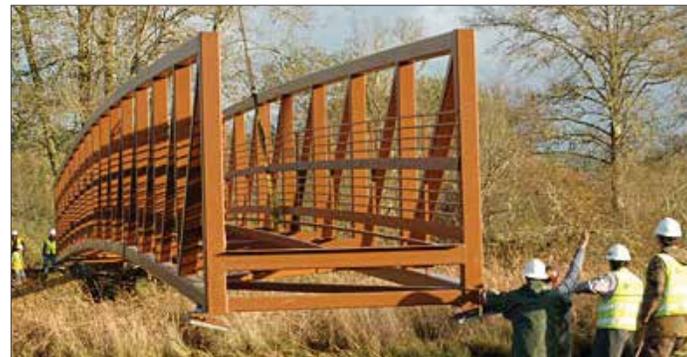
FOUNDATIONS



- Abutment Types:
- Deep Foundations (pile, caisson, helical pier, etc)
 - Spread Footings - CIP Design
 - Spread Footing Prefabricated System (Precast Concrete, Steel EXPRESS)



TRANSPORTATION/
ERECTION

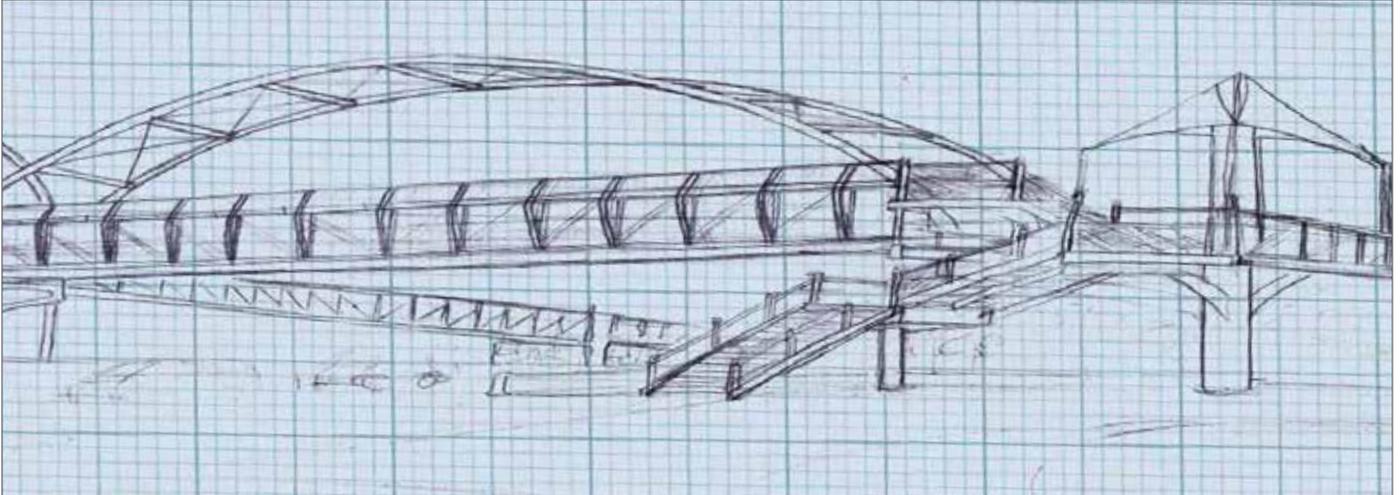


COMPLETION



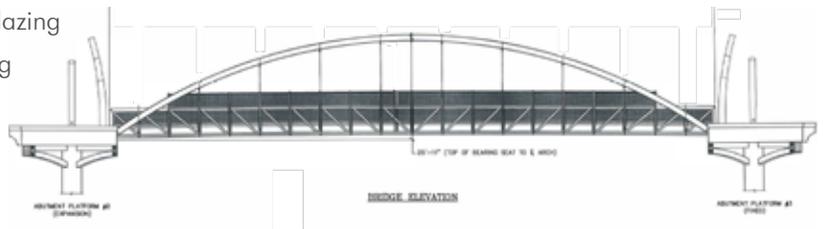
CUSTOM SIGNATURE DESIGNS

From Concept to Reality



Contech truss bridges can be designed to specifically fit your client's project needs. Our bridges have been successfully designed to replicate a particular bridge style or create a brand new signature look, including:

- Cable-stayed bridges and skywalks
- Thrust arch, support towers and decorative towers
- Bridges enclosed with stone, stucco, wood or glazing
- Multi-color paint systems and decorative lighting
- ADA accessible ramps with landing
- Specialized railing, decking and finish options



CUSTOM PEDESTRIAN TRUSS BRIDGES

Horizontally Curved Structures

Flight 93 Memorial - Shanksville, PA



Decorative Arch with Towers

Keystone Custom

Tied-Arch



Custom Canopy



Skywalk

Custom Geometry

Cable Stayed



BIG R BRIDGES® ROLLED GIRDERS | PEDESTRIAN

Overlook



Ski Bridge



Benefits of Rolled Girder Pedestrian Bridges

- Load carrying members under deck
- Ability to carry custom loads with specific aesthetics to meet site requirements
- Economical solution
- Modular system for Accelerated Bridge Construction

Low Profile



Unique Architectural Features



Custom



Faux Truss

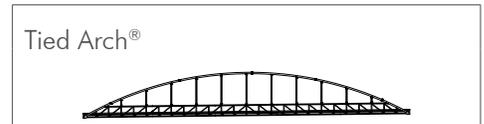
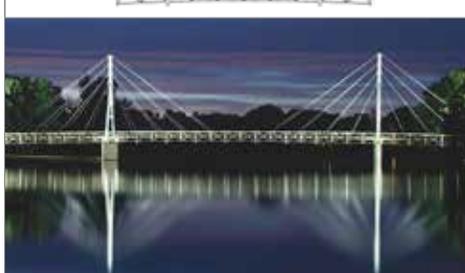
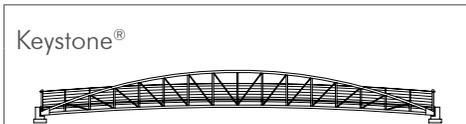
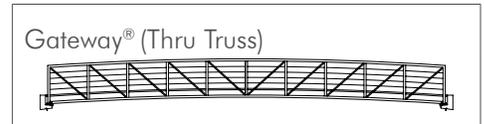
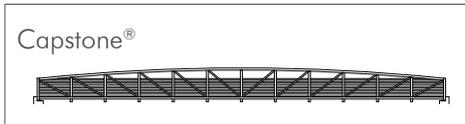
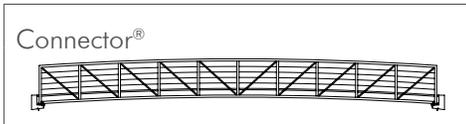


Remote Trail



CONTINENTAL BRIDGE® STYLES AND OPTIONS

Pedestrian Truss Styles*



*Custom styling is available to make your project a reality (e.g. skywalks, cable-stayed bridges).

Deck, Finish & Rail Options

DECK



Wood



Concrete



Steel Grate



Fiber Reinforced Plastic (FRP)

FINISH



Weathering Steel



Painted Steel



Galvanized Steel



Galvanized Steel/Painted

RAIL



Safety Rail/Wood Rub Rail



Vertical Picket/Pipe Handrail



Cable



Mesh Panels

PROVIDING COMMUNITY SOLUTIONS

Commercial & Residential

Continental pedestrian truss structures have been selected by developers throughout the U.S. to provide practical, yet aesthetic structures in residential developments, hospitals, schools and communities. These structures are available in an array of style and finish options to provide a signature look as well as guarantee safe, reliable bridges for every day use.

Developers look to Continental pedestrian truss solutions for busy commercial sites. Often times, these bridges are centerpieces for business parks, shopping centers and local communities.



Continental Custom Gateway®

Ft. Collins, CO



Continental Gateway®

Moline, IL



Big R Rolled Girder

Ft. Collins, CO



Continental Custom Gateway®

Warren, OH

HELPING TO KEEP AMERICA WORKING

Energy, Mining & Industrial

Continental steel truss structures have been utilized in the energy, mining and industrial markets for elevated crossings to handle heavy mining equipment, pipe supports and conveyor systems.

The strength, durability and versatility of these bridge systems allow for a wide range of unique solutions in these markets.



Continental Connector®

Morris, IL



Continental Capstone® Conveyor

Phoenix, AZ



Continental Connector®

Stephens Point, WI



Continental Gateway®

Laurel, MT



Continental Connector®

Big Sky, MT

ENJOYING LIFE & LEISURE

Parks, Resorts, Trails, Golf Courses & MORE

Resorts, tourist attractions and signature golf courses all over the country have turned to Contech pedestrian truss structures with a wide variety of styles, rail, deck and finishing options available. Contech as a design partner for your project can help achieve the necessary aesthetics to meet your site specific requirements and project budget.



Continental Custom

Natchez, MS



Continental Capstone®

Moab, UT



Continental Capstone®

Westbrook, ME



Continental Capstone®

Eagle, CO

REBUILDING OUR INFRASTRUCTURE

Highway Overpass Bridges

Generating safe crossings for the public over highway systems all across the country is becoming an ever increasing need. Contech has worked on hundreds of highway overpass crossings that involve collaboration between DOTs, municipalities and recreational groups. These projects have improved public safety by building these crossings over highways and interstates across the USA.

Utilizing Contech's turnkey design/supply support on these projects can allow for substantial cost savings for your overall project.



Continental Keystone®

Raleigh, NC



Continental Gateway®

Apopka, FL



Continental Capstone®

Beavercreek, OH

CONTECH CAPABILITIES



EXPRESS Connector®

Albuquerque, NM

Pre-Engineered AASHTO Pedestrian Bridges

The EXPRESS® Truss bridge is a pre-engineered pedestrian steel truss bridge designed for owners, engineers and contractors who know “time is money.” This standardized truss system provides stamped drawings within one week after receipt of order and a bridge ready for shipment in less than eight weeks, significantly reducing construction time.

Do you have a trail project with a bridge crossing? By utilizing a Continental EXPRESS® Truss, the trail system can open sooner to the public.

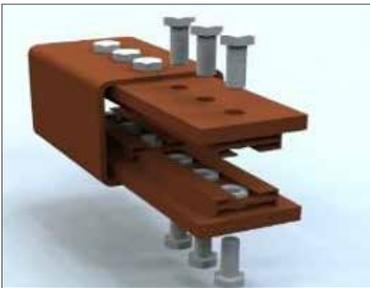
EXPRESS® Truss Bridges Offer:

- Stamped drawings within 1 week after receipt of order
- Bridge spans from 40' -180' (10' increments) and widths 6'-14' (2' increments)
- Bridge ready for shipment within 6-8 weeks of approved drawings
- Designed in accordance with AASHTO
- IBC design is also available

Contech Pedestrian Truss & Rolled Girder Bridge Manufacturing

Contech has four manufacturing locations to support projects across the continental United States and beyond. These manufacturing facilities are certified to AISC Advanced Major Bridge Quality Standards. All manufacturing locations have design engineers licensed in all 50 states located at the facilities to ensure that the bridges will be fabricated to exceed all industry requirements and our engineering standards. Contech has Bridge Consultants located across the United States for local support on any of your projects.

Manufacturing Locations



Patented Internal Splice Capture Plate

DESIGN SPECIFICATIONS:

- AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges
- AASHTO LRFD Bridge Design Specifications
- International Building Code (IBC)
- AISC Steel Construction Manual
- Staff Registered Professional Engineers in all 50 states

FABRICATION SPECIFICATIONS:

- AISC CERTIFIED FABRICATOR
- Certified Bridge Fabricator – Advanced (Major) at all four plant locations
- Fracture Critical Endorsement
- Sophisticated Paint Endorsement
- AWS Certified Welders
- AWS Certified Welding Fabricator



Options & Support Specific to Your Project Needs



CONSIDERATIONS FOR ENGINEER OF RECORD		SOLUTION DEVELOPMENT & DESIGN SUPPORT	
Site Design		Structure Selection	 <input checked="" type="checkbox"/>
Soil Borings		Structure Siting and Layout	 <input checked="" type="checkbox"/>
Soil Bearing Recommendations		Engineer's Estimate	 <input type="checkbox"/>
Hydraulic Analysis		Photo Simulation	 <input checked="" type="checkbox"/>
Scour Analysis		DYOB Concept	 <input checked="" type="checkbox"/>
Scour Countermeasures		Proposal Drawings	 <input checked="" type="checkbox"/>
Permitting		Contract Drawings	 <input checked="" type="checkbox"/>
Inspections		Specifications	 <input checked="" type="checkbox"/>
INSTALLATION SUPPORT		Foundation Reactions	 <input type="checkbox"/>
Preconstruction Meeting		Foundation Design	 <input checked="" type="checkbox"/>
Logistics Coordination		Approval Assistance	 <input checked="" type="checkbox"/>
Structure Onsite Installation Assistance		Fabrication Drawings	 <input type="checkbox"/>
	Contech Support Available		
<input checked="" type="checkbox"/>	Engineer of Record May Provide		

DYOB® (DESIGN YOUR OWN BRIDGE)



www.ContechES.com/dyob

DRAWINGS & TECHNICAL SUPPORT

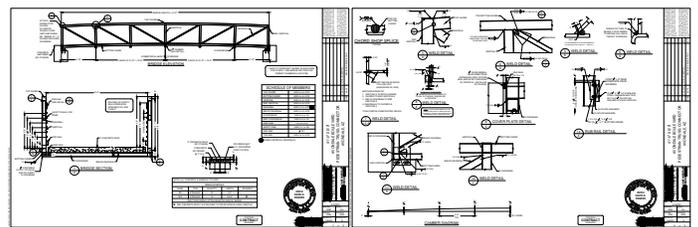


PHOTO SIMULATION



CONTECH[®]

ENGINEERED SOLUTIONS
A QUIKRETE[®] COMPANY

MANUFACTURING AMERICA'S INFRASTRUCTURE™

We manufacture engineered solutions for complex civil infrastructure challenges and create lasting value for project stakeholders through unrivaled expertise, support and workmanship.

To us, it's about being a trusted partner for project owners, engineers and customers while doing meaningful work that helps build our communities.



DESIGN SPECIFICATIONS:

- AASHTO LRFD Bridge Design Specifications
- International Building Code (IBC)
- AISC Steel Construction Manual
- Staff Registered Professional Engineers in all 50 states

FABRICATION SPECIFICATIONS:

- AISC CERTIFIED FABRICATOR
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- Fracture Critical Endorsement
- Sophisticated Paint Endorsement
- AWS Certified Welders
- AWS Certified Welding Fabricator

SUPPORT:

- Project Management
- Site Supervision
- Foundation Design
- Installation Guidance



**For more information, we have representatives for all 50 states.
Please call 800-338-1122 or visit www.conteches.com.**

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