













# Open Bottom or Natural Bottom Structures



Shapes		Sizes — Span x Rise
Round		5' to 26'
Vertical Ellipse		4'8" x 5'2" to 25' x 27'7"
Underpass		12'2" x 11'0" to 20'4" to 17'9"
Pipe-Arch		6'1" x 4'7" to 20'7" x 13'2"
Horizontal Ellipse		7'4" x 5'6" to 14'11" x 11'2"
Arch (single radius)		5' x 1'9" to 25' x 12'6"
Low-Profile Arch *		20'1" x 7'6" to 45'0" x 18'8"
High-Profile Arch *		20'1" x 9'1" to 35'4" x 20'0"
Pear-Arch		3'11" x 23'4" to 0'4" x 25'10"
Pear		23'8" x 25'5" to 29'11" x 31'3"
Horizontal Ellipse		19'4" x 12'9" to 37'2" x 22'2"
Box Culvert		8'9" x 2'6" to 35'3" x 13'7"



















\$110,000 vs. \$400,000  
One Week Road Closure

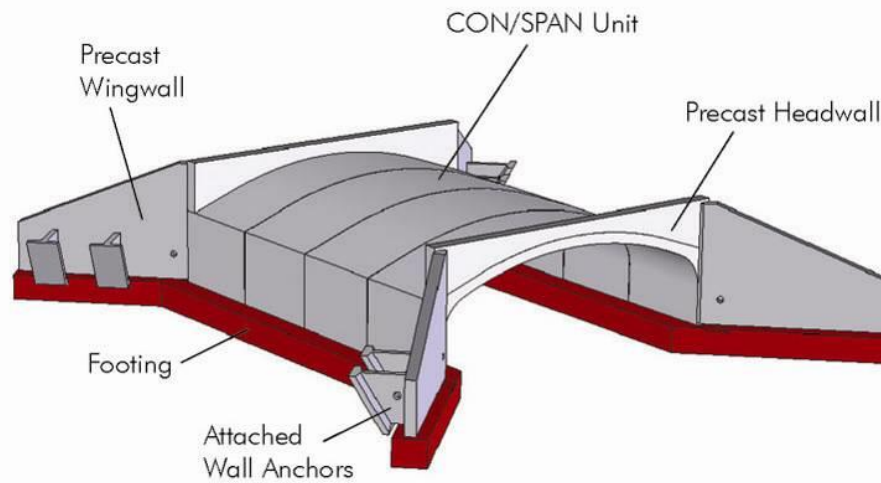


Walworth County – CTH O

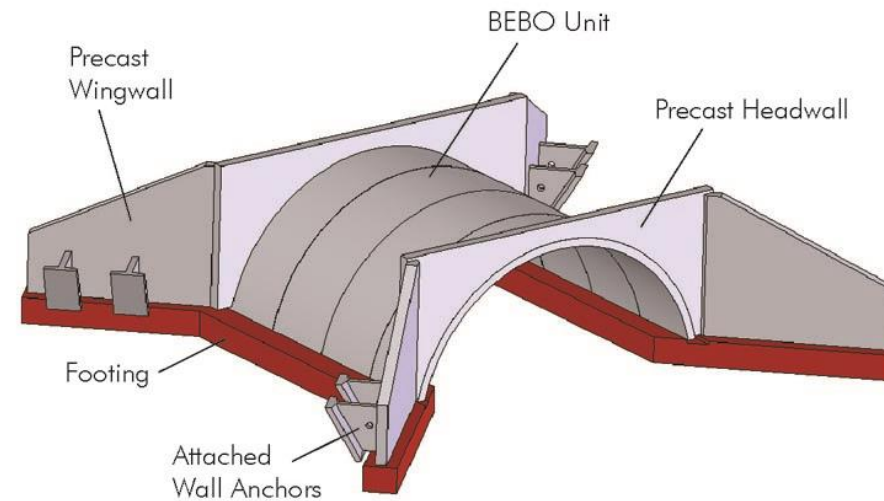
# Precast Bridge Products – Overview

Fully engineered and complete precast modular component systems for bridges, culverts and underground structures.

CON/SPAN® Bridge Systems



BEBO® Arch Systems











Phase 1



Phase 2



Phase 3













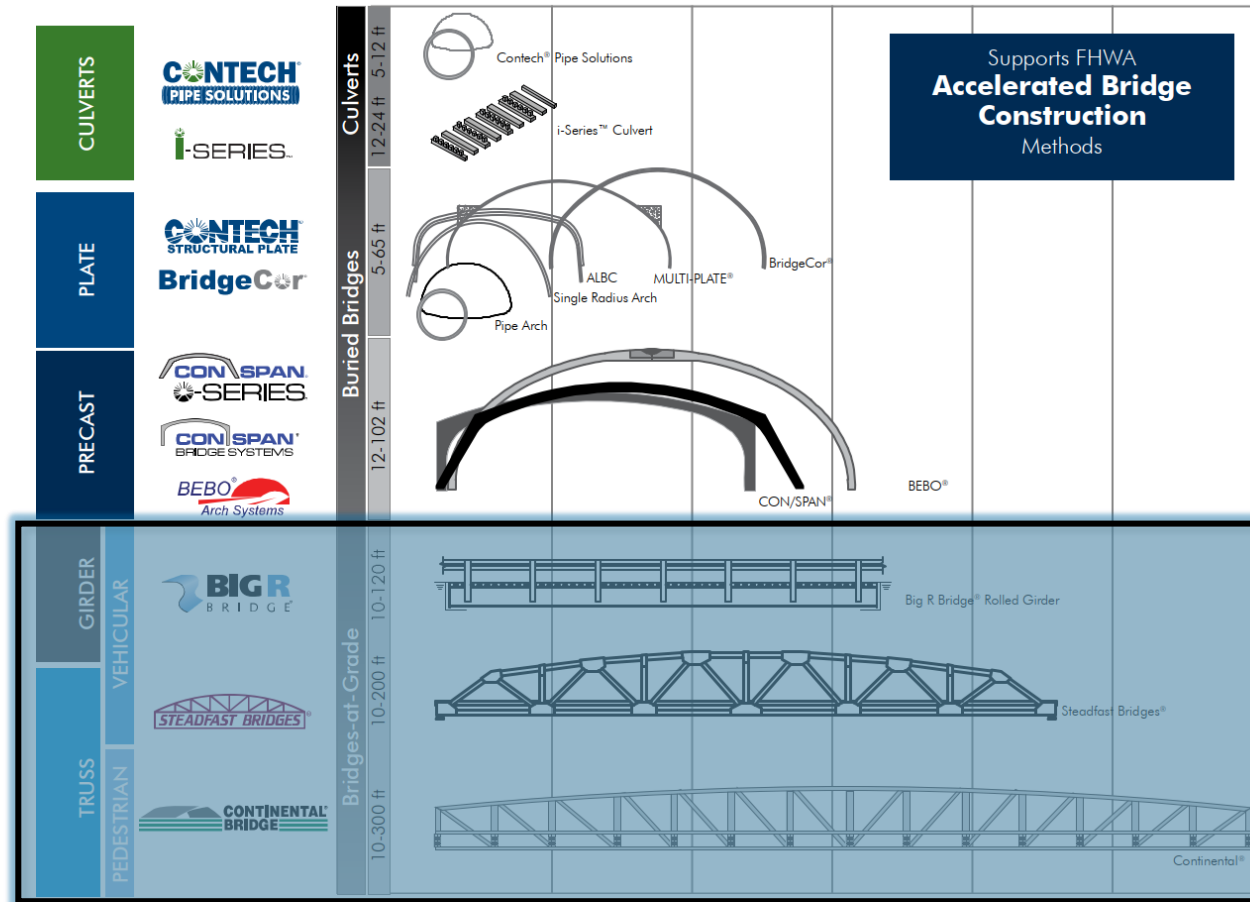




## Big R Modular Bridges for County Road Applications



# Clear Span and Buried Bridge Solutions



## What are Modular Bridges?

- Prefabricated Steel Beam Girder Structures
- Reduced number of bridge sections delivered with decking installed
- Field-bolted assembly method
- Like prefabricated pedestrian truss structures...apply same concept to vehicular projects

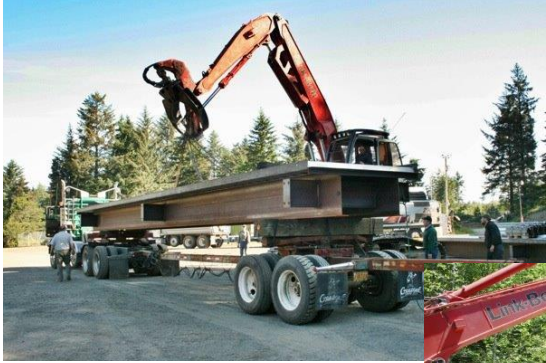




- County Road or Drain Crossings
  - Local, Collector, Minor Arterial
  - Local or Shared Funding (no aid)
  - New or Existing Abutments
- Single Lane, Low ADT or Access Sites
- Temporary Construction Access
- Emergency Replacements
- Remote Sites such as Logging, Mining, Forest Service



**Isabella CRC**



Module ready to lift from truck using factory installed lifting eyes



Modules set side-by-side



Center Diaphragms bolted together



Bearing Plates field welded

## Structural Steel Deck Plank

### Wearing Surface Options

- Gravel
- Asphalt
- Concrete
- Wood Planks (treated or untreated)
  - Running (4 ribbons each side)





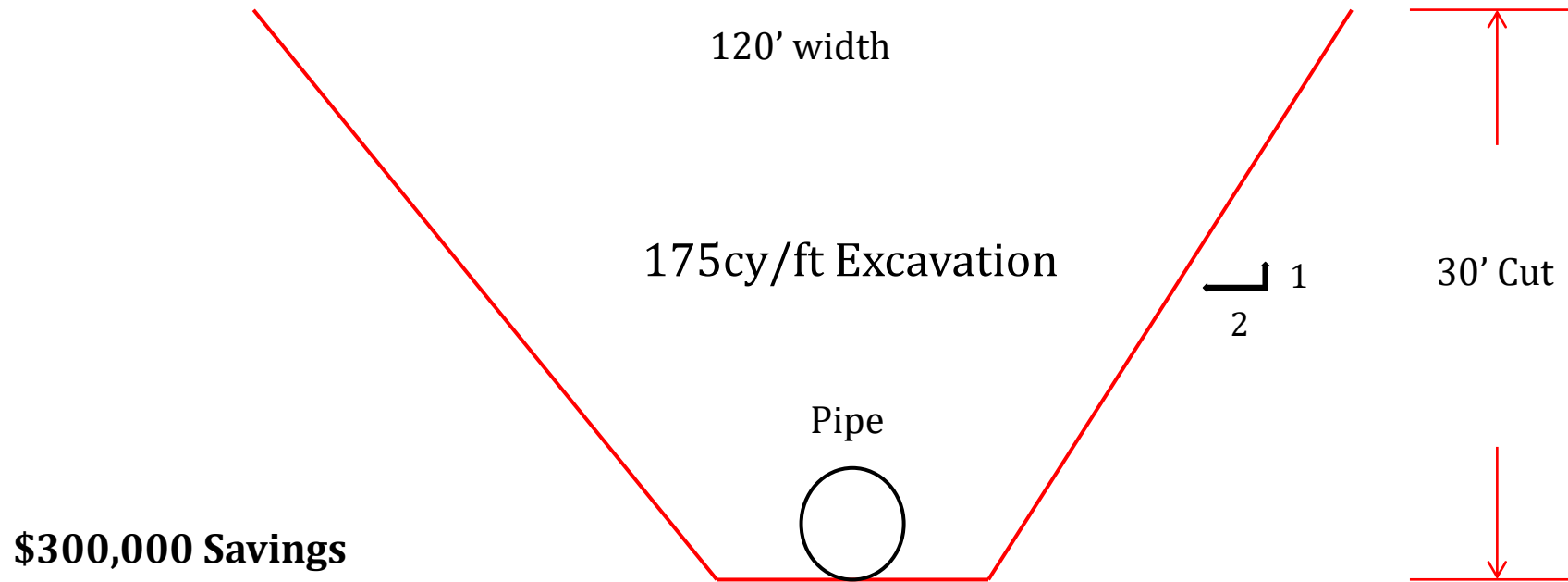


**Culvert Pipe**  
**Bridge / Large Culverts**  
**Relining Existing Structures**



Janesville	12
Edgerton	23
Madison	53

# Why you Reline Pipe w/ high fills



**\$300,000 Savings**

## Open Cut

175cy x 200ft x \$5/cy =

175cy x 200ft x \$7/cy =

Cost of pipe

**Total open cut cost**

\$175,000 Excavation

\$245,000 Structural Backfill

\$100,000

**\$520,000**

## Relining

**\$220,000**

	SPAN/DIAMETER RANGE	PRODUCT		DESCRIPTION
Drainage & Structures	12" – 36"	A2™ Liner Pipe		PVC corrugated pipe with smooth interior wall
	18" – 102"	ULTRA FLO®		Spiral rib aluminum, aluminized and polymer-coated steel pipe
	12" – 144"	Corrugated Metal Pipe		Corrugated aluminized and polymer-coated steel and aluminum alloy helical pipe
	24" – 120"	DuroMaxx®		Steel reinforced polyethylene pipe
	30" – 118"	SPR™ PE		Wind in place products in PVC and SRPE
	10" - 63"	InnerFlow™		Solid wall polyethylene reline pipe
	24" – 13' +	Applied Linings		Centrifugally cast concrete and geopolymer linings
	4' – 20' +	Tunnel Liner Plate		Steel and aluminum 2-flanged plate
	5' – 23' +	ALSP		Aluminum structural plate
		MULTI-PLATE®		Galvanized steel structural plate
	8'-9" – 35'-5"	ALBC		Aluminum box culvert
	19'-5" – 45'	SUPER SPAN™		Galvanized steel structural plate long spans
		SUPER-PLATE®		Aluminum structural plate long spans
		BridgeCor®		Deep corrugation galvanized steel structural plate
12' – 102'	CON/SPAN® & BEBO®	Precast concrete arches		
Sanitary Sewer	12" – 36"	A2™ Liner Pipe		PVC corrugated pipe with smooth interior wall
	30" – 120"	DuroMaxx®		Steel reinforced polyethylene (SRPE) pipe
	29" – 118"	SPR™ PE		Wind in place products in SRPE
	10" – 63"	InnerFlow™		Solid wall polyethylene reline pipe





30" dia. A2 Liner



20' of Fill



74" dia. SmoothCor





103" x 71" SmoothCor





One year old Concrete Pipe  
Relined with Aluminized CMP



Mitchell Interchange – I-894



# CLEAR SPAN BRIDGES

Contech® Pipe Solutions

i-Series™ Culvert

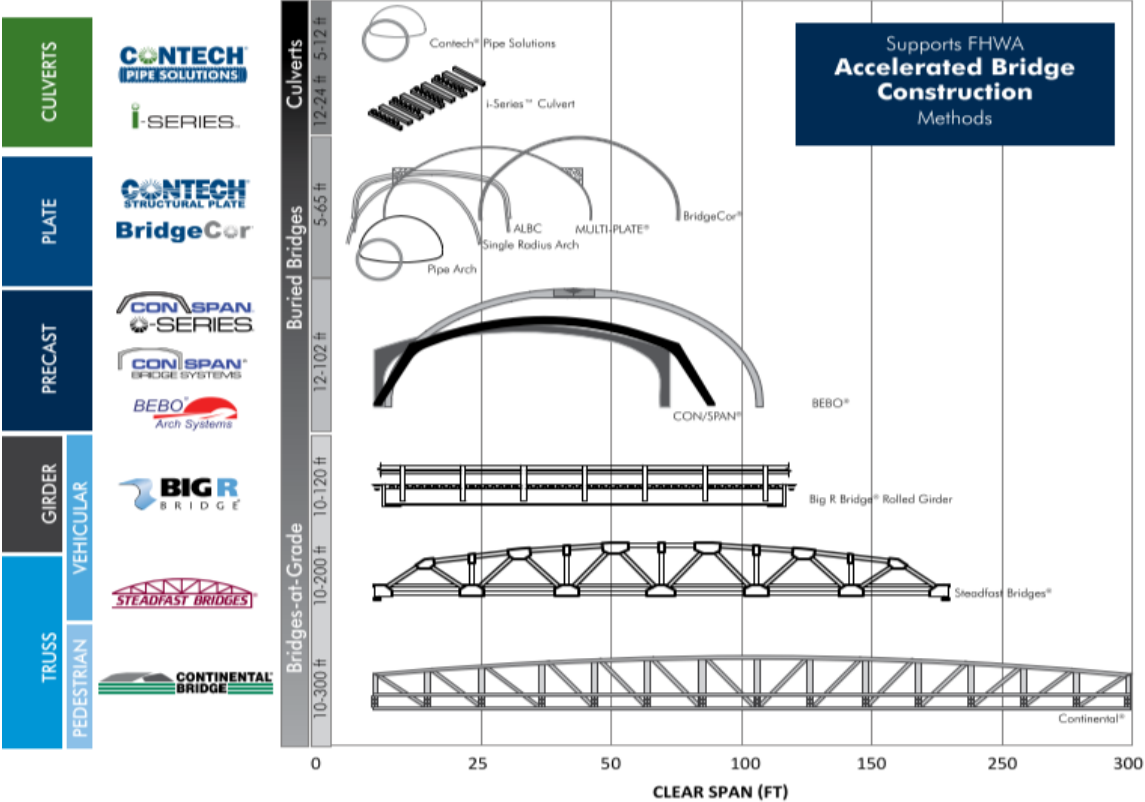
MULTI-PLATE®  
 Aluminum Structural Plate  
 Aluminum Box Culvert  
 SUPER-SPAN™  
 SUPER-PLATE®  
 BridgeCor®

CON/SPAN® O-Series®  
 CON/SPAN®  
 BEBO®

Big R Bridges®  
 (Rolled Girder)

Steadfast Bridges® (Vehicular)

Continental® Bridges (Pedestrian)



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