



Towns Association April 29th, 2026



CONTECH – Your single source provider



- Drainage
- Relining Existing Structures
- Bridge
- Erosion Control
- Stormwater

- Total Site Solutions Company
- Unrivalled Technical Support and Service



CLEAR SPAN BRIDGES

Contech® Pipe Solutions

i-Series™ Culvert

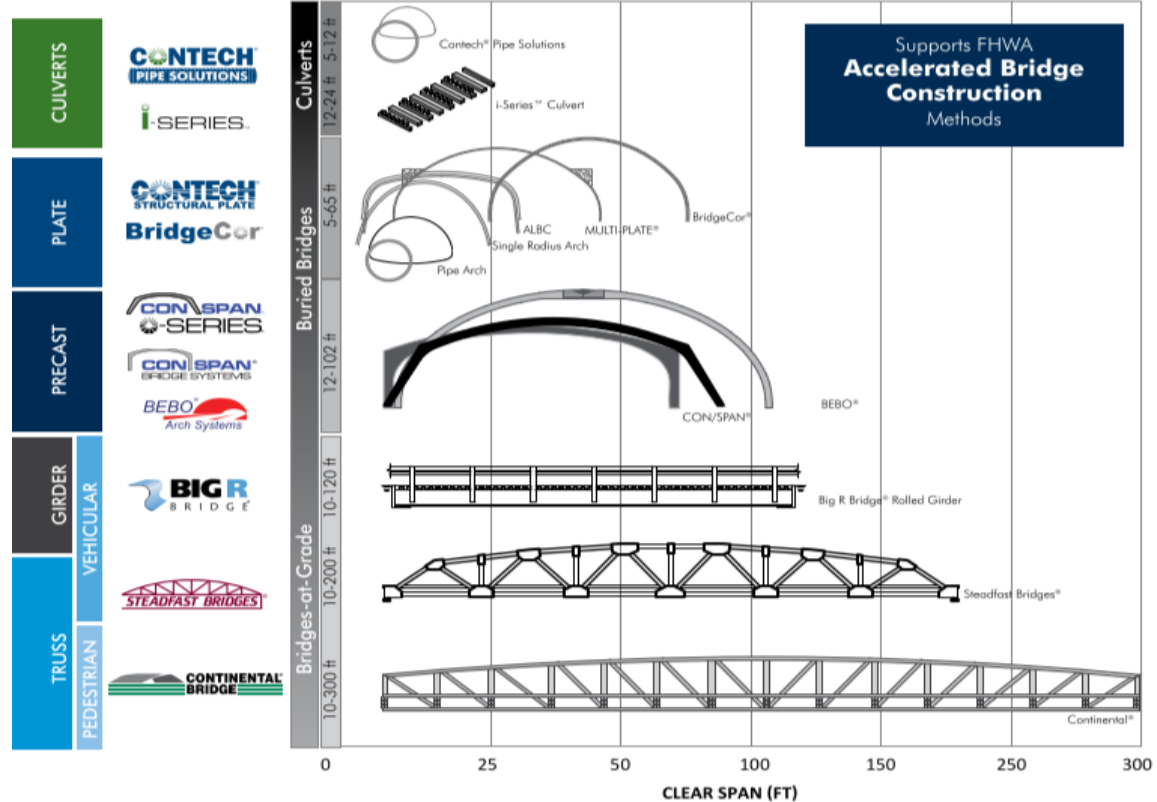
MULTI-PLATE®
Aluminum Structural Plate
Aluminum Box Culvert
SUPER-SPAN™
SUPER-PLATE®
BridgeCor®

CON/SPAN® O-Series®
CON/SPAN®
BEBO®

Big R Bridges®
(Rolled Girder)

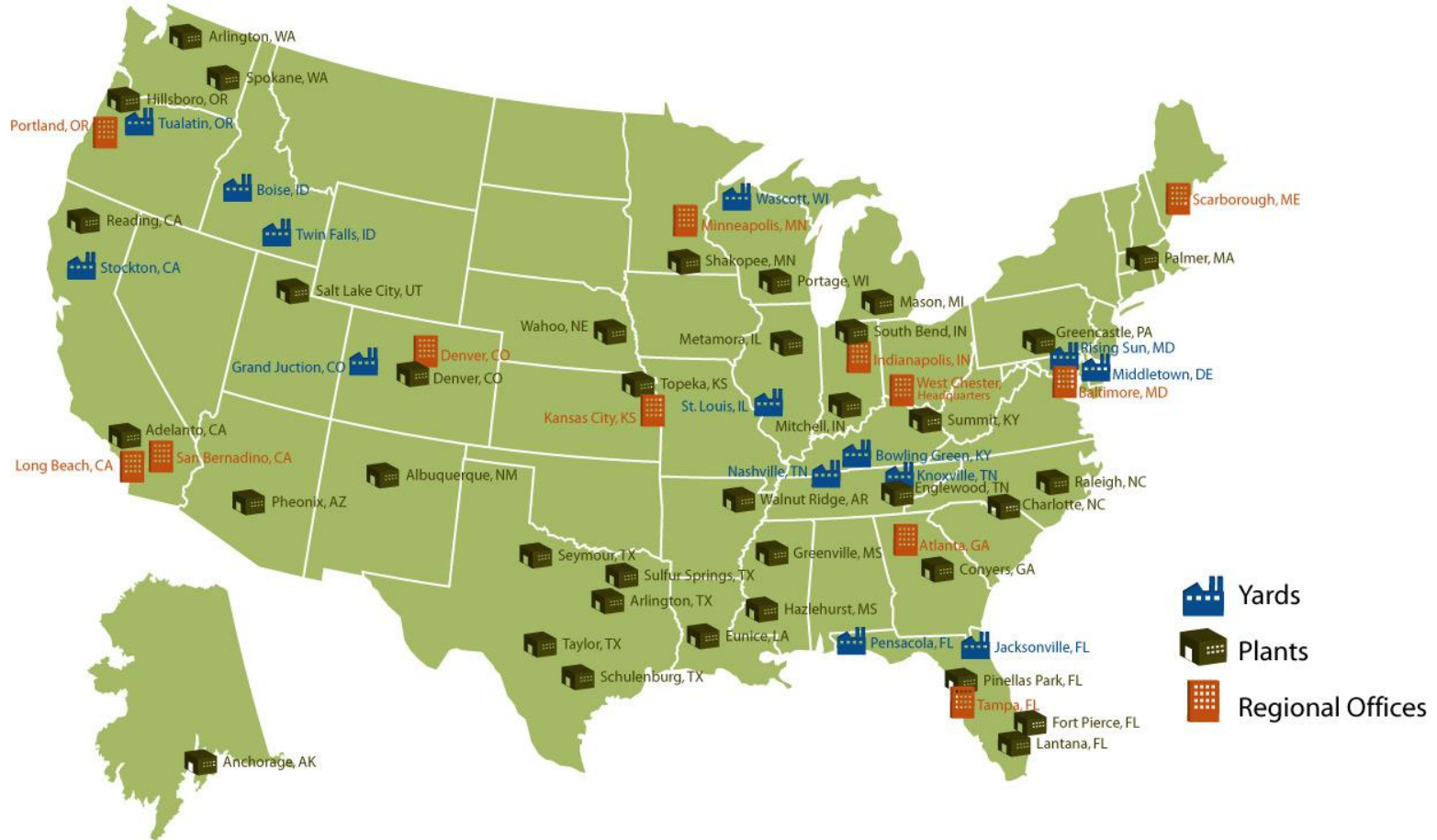
Steadfast Bridges® (Vehicular)

Continental® Bridges (Pedestrian)





Nationwide Network of Support

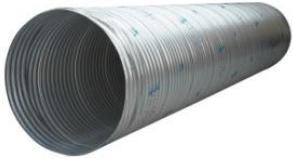


Welcome to the
CONTECH[®]
ENGINEERED SOLUTIONS

Culvert Pipe
Bridge / Large Culverts
Relining Existing Structures



Pipe Coating Alternatives



Galvanized Steel Pipe

35-45 Years
pH 6-10



ALUMINIZED STEEL™ Type II

75-100 Years
pH 5-9



Polymer-Coated Corrugated Steel Pipe

75-100 Years
pH 3-12

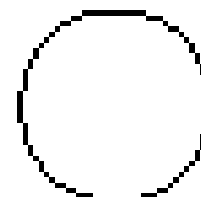


Aluminum Pipe

75-100 Years
pH 4-9

2-2/3" x 1/2" Height-of-Cover Limits for Corrugated Steel Pipe

H 20 and H 25 Live Loads



H 20 and H 25 Live Loads

Diameter Minimum or Span, Inches	Cover, Inches	Maximum Cover, Feet ⁽¹⁾					
		Specified Thickness, Inches					
		0.052	0.064	0.079	0.109	0.138	0.168
6 ⁽¹⁾	12	388	486				
8 ⁽¹⁾		291	365				
10 ⁽¹⁾		233	392				
12		198	248	310			
15		158	199	248			
18		132	166	207			
21		113	142	178	249		
24		99	124	155	218		
30		79	99	124	174		
36		66	83	103	145	186	
42		56	71	88	124	160	195
48			62	77	109	140	171
54				66	93	122	150
60					79	104	128
66					68	88	109
72						75	93
78							79
84	12					66	

Size

Round Equivalent, Inches	Size
15	
18	
21	
24	
30	
36	
42	
48	
54	
60	
66	
72	



BAY 2
CLEARANCE 13'

6" dia. to 144" Dia.





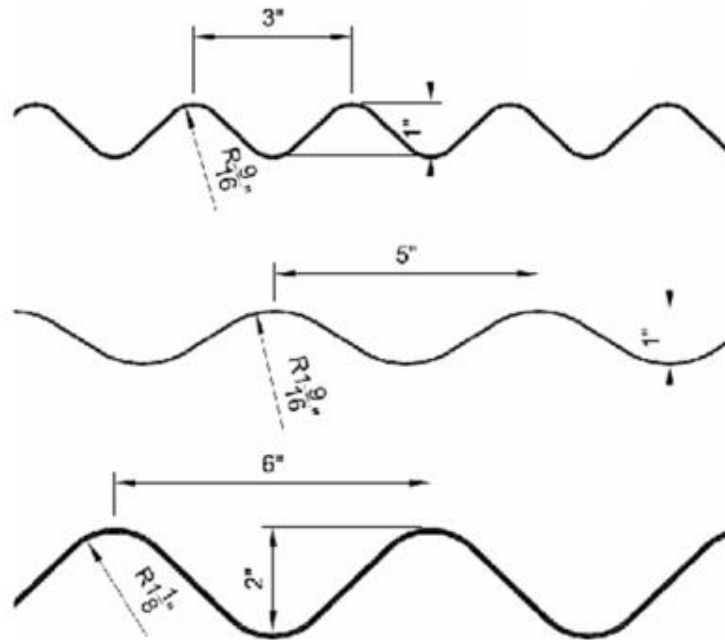
Available Corrugations

Round Pipe through 144" (12')

Round Plate through 312" (26')



Structural Plate (MultiPlate) versus Helical Corrugated Pipe (HelCor)

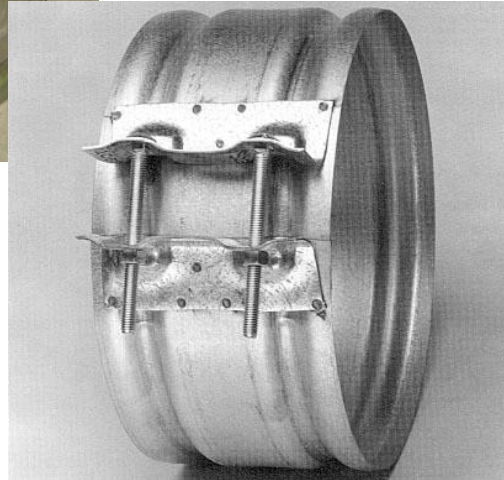


3x1 HelCor

5x1 HelCor

6x2 MultiPlate





HUGGER[®] bands are semi-corrugated bands – flat in the center with a corrugation on each end to fit securely into the re-rolled corrugation of the pipe. HUGGER[®] is a registered trademark of CONTECH.







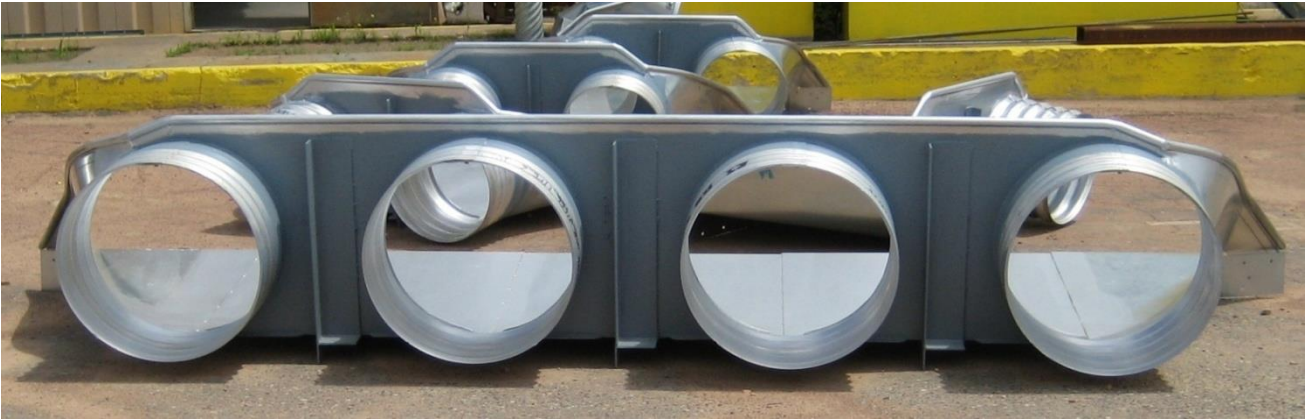
Lincoln County – CTH C



Kewaunee County – 65' Long Pipe Arch

04/19/2010





CHS™ (Culvert Headwall



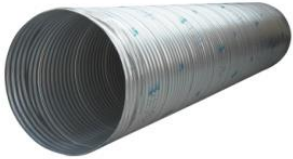
Making projects easier to construct Chequamegon-Nicolet Forest Service, Taylor CO, Wisconsin Installation in Standing Water





**Galvanized, Aluminized & Polymer Coated Steel Pipes Available
ENGINEERED, EASY AND QUICK INSTALLATION**

Pipe Coating Alternatives



Galvanized Steel Pipe

35-45 Years
pH 6-10



ALUMINIZED STEEL™ Type II

75-100 Years
pH 5-9



Polymer-Coated Corrugated Steel Pipe

75-100 Years
pH 3-12



Aluminum Pipe

75-100 Years
pH 4-9

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WEIGHT
LIMIT
10
TONS
BY ORDER OF
WIL DEPT. OF TRANSPORTATION





What do you do at this point?





Plate:

- MULTI-PLATE[®]/Aluminum Structural Plate
- Aluminum Box Culvert
- SUPER-SPAN[™]/SUPER-PLATE[®]



Precast:

- CON/SPAN[®]
- BEBO[®]















Relining:

- Pipe, Plate
- 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" x 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		23'11" x 23'4" to 30'4" 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"





**Structural
Plate
Design
Guide**

7th Edition



MULTI-PLATE[®]

Aluminum Structural Plate

Aluminum Box Culvert

SUPER-SPAN[™]

SUPER-PLATE[®]

BridgeCor[®]

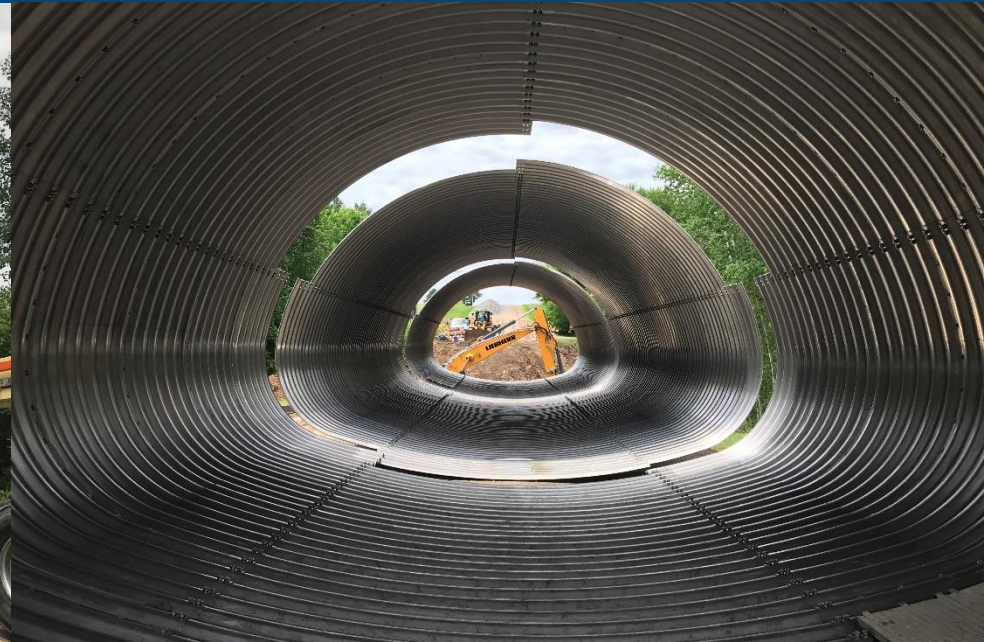


BENSON 524 A

303























Nuts are up
Use the reinforcing rib as a
straight
Tighten the bolts





From the top of the headwall measure
down 6"
Drill Holes
Leave out one bolt for each "plate". This
opening will be used for the rods.



Lift into place and bolt to the structure





















Open Bottom or Natural Bottom Structures



Shapes		Sizes — Span x Rise
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Underpass		12'2" x 11'0" to 20'4" x 17'9"
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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"
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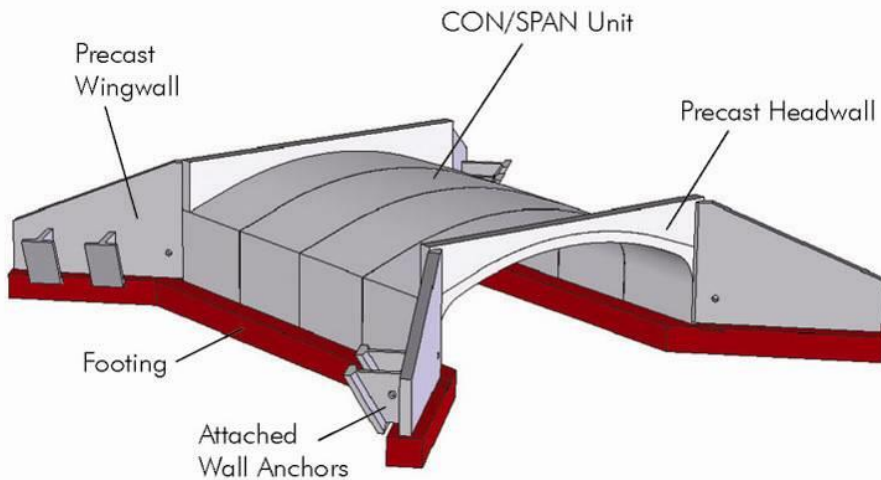




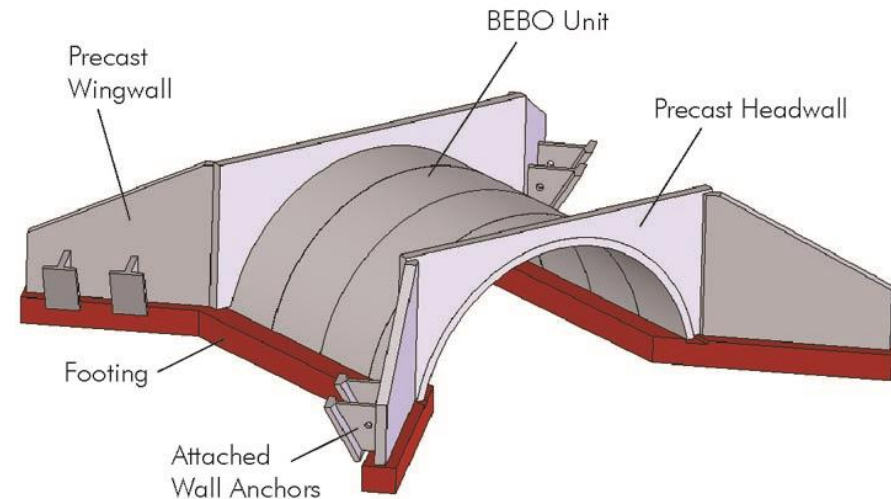
Precast Bridge Products – Overview

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

CON/SPAN[®] Bridge Systems



BEBO[®] Arch Systems



















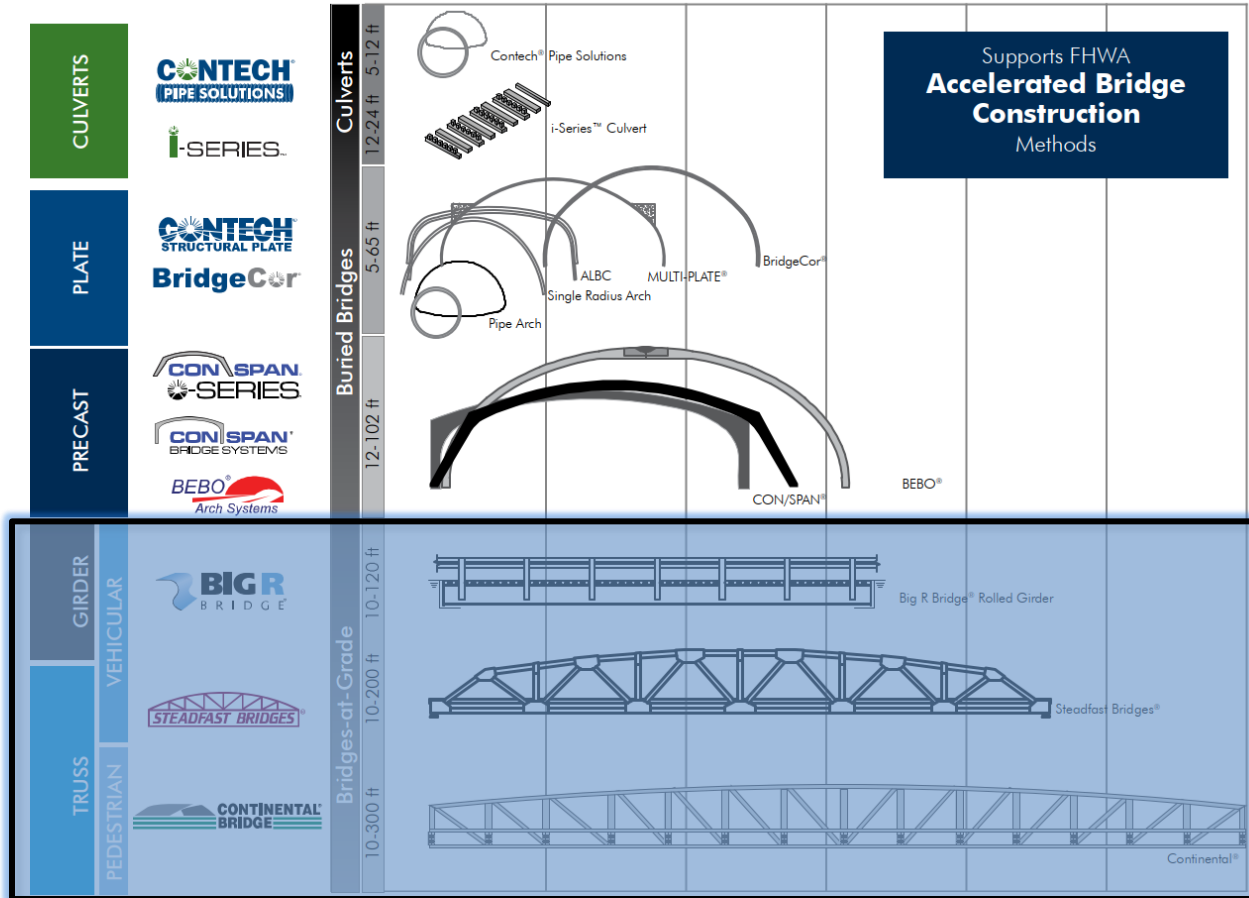




Big R Modular Bridges for County Road Applications



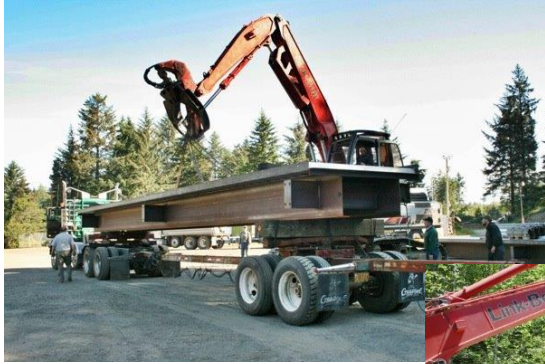
Clear Span and Buried Bridge Solutions



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





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)







Welcome to the
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**Culvert Pipe
Bridge / Large Culverts
Relining Existing Structures**





		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



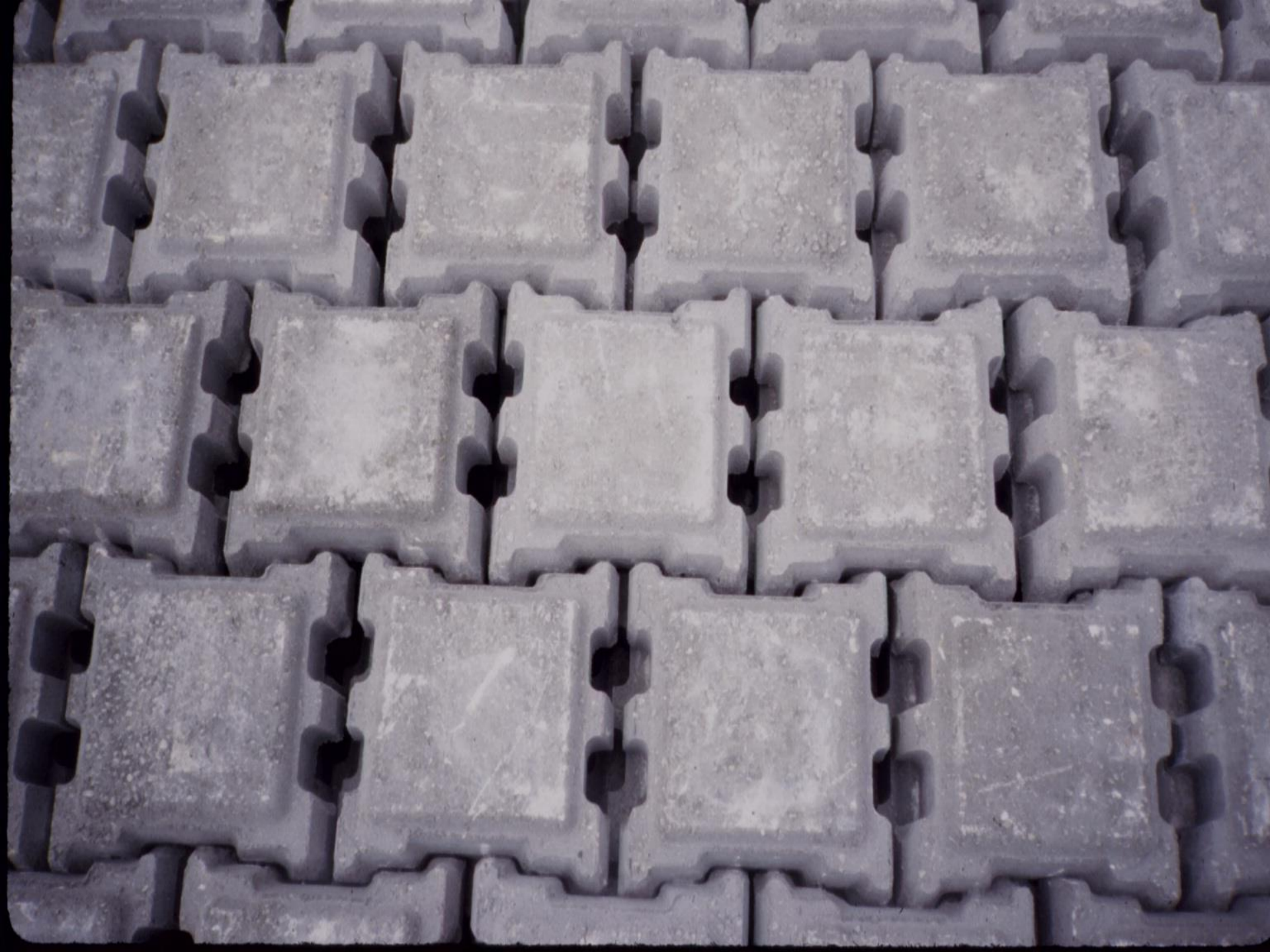








58 1: 12







Rip-Rap is being washed off of the geotextile.

ArmorFlex is vegetated and stable.











MNDOT TH 19
SEH – Vadnais Heights
Henderson, MN



MNDOT TH 10

