

**ACROW**  
1.973.244.0080

Emergency  
Planned  
Detour  
Permanent

Interstate  
Bypass  
Work

**ACROW** BRIDGES  
Creating Engineered Solutions Worldwide<sup>®</sup>

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**ACROW**  
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**ACROW**  
Components  
100%  
Made in the  
United States



Acrow's Use of New High Strength  
Steel Increases the Strength to  
Weight Ratio  
AISC and ISO9000 Quality Certified

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**FEATURES & BENEFITS**

• <b>Rapid Construction</b>	• Ideal for Permanent & Emergency Construction
• <b>No Cutting or Welding</b>	• 100% Reusable • Minimal Tools
• <b>Minimal Machinery &amp; Manpower</b>	• Cost Effective & Safe
• <b>Made in USA of New High Strength Steel</b>	• Durable, Long-Lasting • Galvanized

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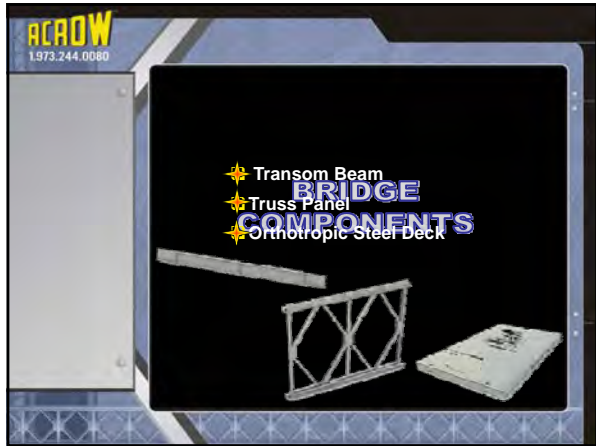
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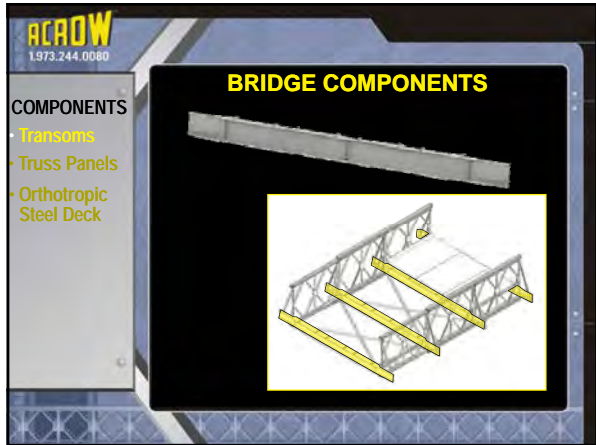
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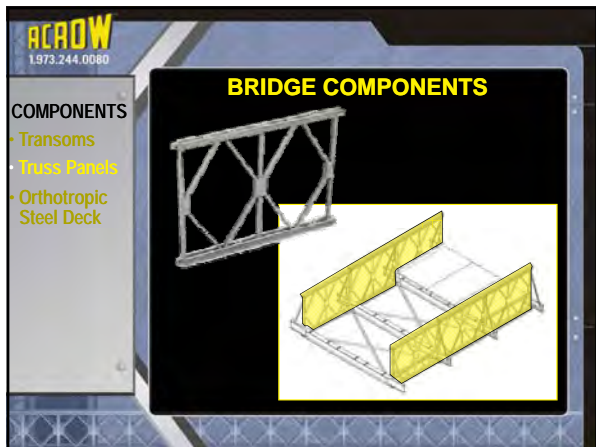
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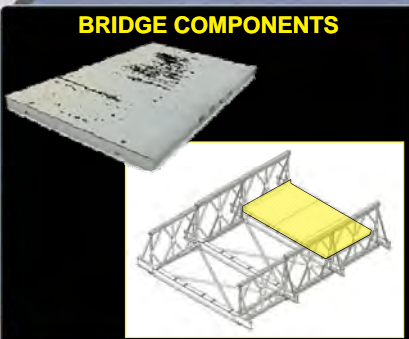
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**COMPONENTS**

- Transoms
- Truss Panels
- Orthotropic Steel Deck

**BRIDGE COMPONENTS**



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**ACROW**  
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Deck  
Dimensions are  
6' x10'

Rated to HL-93  
in either  
direction

**ORTHOTROPIC STEEL DECKS**



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**ACROW**  
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Deck  
Dimensions are  
6' x10'

Rated to HL-93  
in either  
direction

**ORTHOTROPIC STEEL DECKS**



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Setting Decks  
on Halfen  
channels using  
4 way bridle



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**EMERGENCY  
CONTACT**

[www.acrowusa.com](http://www.acrowusa.com)

**EMERGENCY & DETOUR BRIDGING**

**FAST RESPONSE**

- ✦ A pre-engineered structure
- ✦ Modular sections
- ✦ Quick field assembly
- ✦ Multiple methods for installation
- ✦ No field welding

AISC and ISO Quality Certified

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World Trade  
Center,  
Ground Zero,  
New York City

**EMERGENCY BRIDGING**

**FAST RESPONSE**



**EMERGENCY CONTACT** [www.acrowusa.com](http://www.acrowusa.com)

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**ACROW**  
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1,060 meters of  
2-Lane Grid  
Deck,  
Florida DOT

**EMERGENCY BRIDGING**  
**FAST RESPONSE**



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KATMA

1 Mile of  
2-Lane  
Bridging with  
Orthotropic  
Steel Decks  
LA DOTD

**EMERGENCY BRIDGING**  
**FAST RESPONSE**



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**ACROW**  
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WORLD TRADE  
CENTER

460'S SPAN  
2-Lane  
Supported on  
Acrow Towers

**EMERGENCY BRIDGING**  
**FAST RESPONSE**



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**EMERGENCY BRIDGING**

ERIE BARGE CANAL  
Mendonville, NY  
140' Single Lane Cambered to compensate for pin hole sag



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**EMERGENCY BRIDGING**

YOSEMITE NATIONAL PARK  
Ferguson Rock Slide



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**EMERGENCY BRIDGING**

YOSEMITE NATIONAL PARK  
Downstream Bridge  
160' Clear Span



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**EMERGENCY BRIDGING**

YOSEMITE NATIONAL PARK  
Upstream Bridge  
240' Two Span



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**STATE-OWNED ACROW BRIDGING**

NH	CA
NY	OR
NJ	WA
PA	AK
WV	MO
OH	MD
VA	HI
AL	VT
SD	CT
ND	FL
NM	LA
WY	TX
UT	ID
NV	



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**TEMPORARY ACROW BRIDGES**

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**TEMPORARY CONSTRUCTION**

I-81  
Pennsylvania  
Mainline  
Interstate  
HL-93



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**TEMPORARY CONSTRUCTION**

John  
Baptiste  
Memorial  
Bridge  
Hawaii

25 year  
Design  
Life

Use of  
Existing  
Piers



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**TEMPORARY CONSTRUCTION**

New Jersey  
Turnpike  
Widening  
Project  
By-Pass Bridge  
Re-use



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State Highway 3  
New Hampshire  
Temporary  
2 Bridge Bypass

**TEMPORARY CONSTRUCTION**



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Washington DC -  
Baltimore  
Parkway  
4 Acrow Bridges  
each 91 meters

**TEMPORARY CONSTRUCTION**



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Rio Bio Bio  
Concepcion  
Chile  
1.5km

**TEMPORARY CONSTRUCTION**



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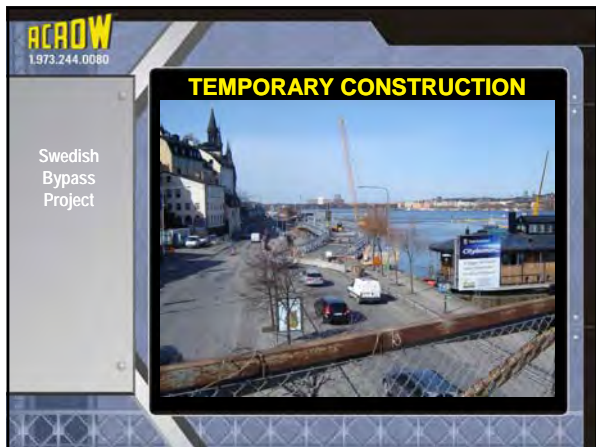
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Swedish Bypass Project

**TEMPORARY CONSTRUCTION**



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NJ Railyard Relocation 4yr project

**TEMPORARY CONSTRUCTION**



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Big Dig Project Boston Mass

3 separate Acrow Bypass Locations

**TEMPORARY CONSTRUCTION**



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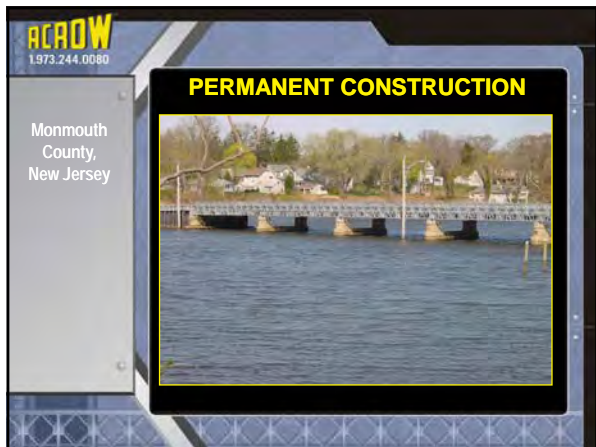
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Monmouth  
County,  
New Jersey

**PERMANENT CONSTRUCTION**



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**MOVABLE BRIDGES**

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Quincy, Ma  
210 Ft. (64 M)  
Acrow Span  
Twin Lift  
Bridges  
with 580 M of  
Acrow  
approaches

**MOVABLE BRIDGES**



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**MOVABLE BRIDGES**

St. Augustine,  
FL  
Bridge of Lions  
Temporary Lift  
Bridge  
170' Two Lanes  
with  
Sidewalk




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**MOVABLE BRIDGES**

Martha's  
Vineyard, MA  
60' Bascule  
Bridge  
with two Acrow  
Approach  
spans:  
1 x 140'  
1 x 120'




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**INTERSTATE  
MAINLINE  
BRIDGES**

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**INTERSTATE BRIDGES**

I-81  
Harrisburg  
Pennsylvania



The image shows a multi-lane highway bridge under construction. A large blue semi-truck is driving on the right side of the road. The bridge structure is partially completed, with some lanes still under construction. The surrounding area is green and hilly.

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**INTERSTATE BRIDGES**

I-95  
Bridgeport, PA  
3 lanes HL93



The image shows a bridge under construction over a river. The bridge has three lanes and is supported by concrete piers. There are construction vehicles and equipment on the bridge. The surrounding area is industrial and urban.

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**INTERSTATE BRIDGES**

MASS Pike  
Entrance Ramp,  
Boston, MA



The image shows a street-level view of a bridge entrance ramp in Boston. The ramp is a multi-lane highway with a bridge structure above it. There are cars and a truck on the ramp. The surrounding area is urban with buildings and signs.

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**INTERSTATE BRIDGES**

Route 3  
3 lane bridge  
Nashua, NH




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**INTERSTATE BRIDGES**

I - 10  
Pensacola, FL




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**INTERSTATE BRIDGES**

I - 80  
Rockaway Township  
NJ




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**INTERSTATE BRIDGES**

I - 80  
Denville  
NJ




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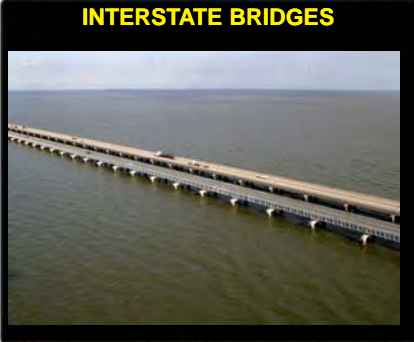
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**ARCOW**  
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**INTERSTATE BRIDGES**

I - 10  
Twin Spans  
LADOTD  
Two 12 foot  
Travel Lanes




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**ARCOW**  
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**INTERSTATE BRIDGES**

USACE  
I - 10  
Crossing Irish  
Bayou

400 foot  
3 Lane  
HL93

4 spans at  
100'

TL 4  
Guide Rail




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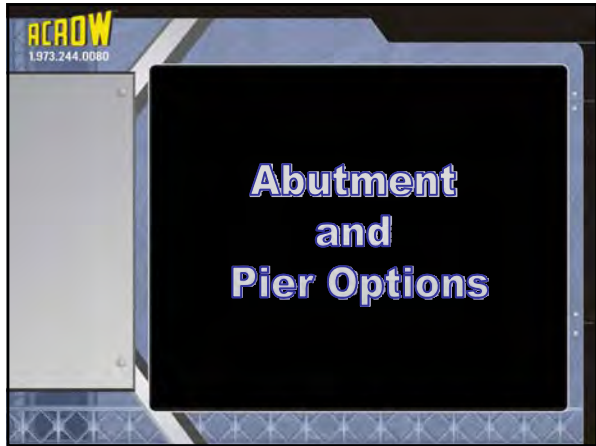
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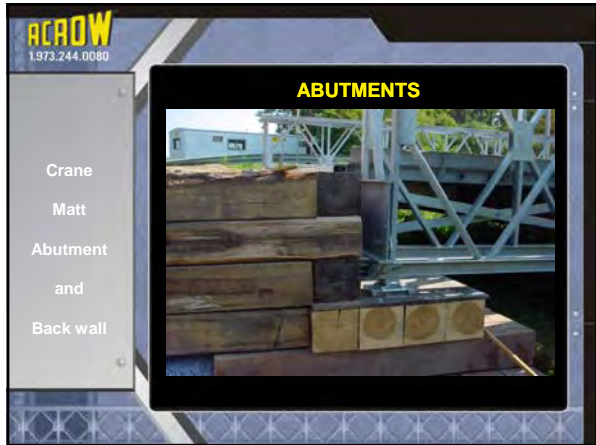
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**ABUTMENTS**

Spread  
Footer  
With  
Gabion  
Abutment



09/10/2008 14:14

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**ABUTMENTS**

Composite  
Abutment  
and  
Back Wall



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**Pile supports**

H - Pile  
Support  
Continuous  
Span  
With  
Distribution  
Beam



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**ACROW**  
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**Pile supports**

Continuous Span  
With  
Distribution Beam



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**ACROW**  
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**Pile supports**

H - Pile  
Support  
Continuous Span  
With  
Distribution Beam



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**ACROW**  
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**Pile supports**

Composite  
Pile  
For  
Launching  
loads



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**ACROW**  
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I - 10  
Pensacola, FL

Combination  
of existing  
Bents  
And  
New Pipe Pile  
Bents

**Pile supports**



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I - 81  
Rockaway, NJ

Four Panel  
Towers  
utilized to  
support 3  
lane bridge

Pier is  
skewed to  
accommodate  
site  
conditions

**Acrow Towers**



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**OTHER  
APPLICATIONS**

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Temple University – Roof Lift  
Acrow Towers and Spans with hydraulic jacking devices

**OTHER APPLICATIONS**



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JFK International Airport, New York City  
Acrow Trusses Support Concrete Form

**OTHER APPLICATIONS**



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Emergency Acrow Superprops support existing highway

**OTHER APPLICATIONS**



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**OTHER APPLICATIONS**

Emergency  
Acrow  
Superprops  
support  
existing  
railroad tracks

Newark, NJ

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**ACROW**  
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**OTHER APPLICATIONS**

Emergency  
Acrow  
Superprops  
support  
existing  
railroad tracks

Camden, NJ

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**OTHER APPLICATIONS**

Acrow  
Superprop  
adjustable  
head

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**GUIDE RAIL**

Transition from a Acrow TL4 system to approach road Thrie Beam system  
4 Year installation



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**GUIDE RAIL**

I-80  
Denville, NJ  
Double-nested  
Thrie Beam



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**SIDE WALKS**

Standard Side Walk is 5 foot wide and can be cantilevered off of one side or both sides



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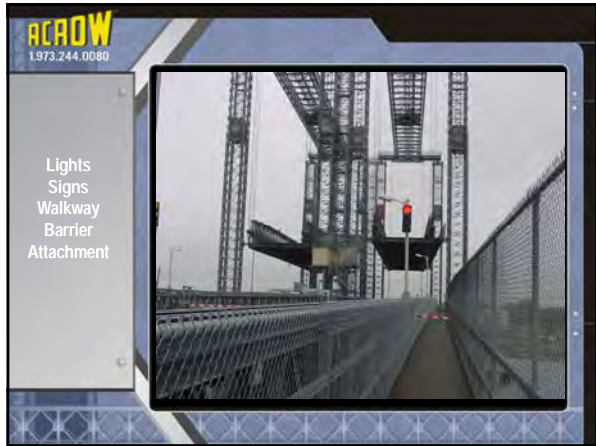
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**ACROW BRIDGE  
INSTALLATION**

- Crane Pick
- Crane Assisted Launch
- Conventional Launch

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**ACROW**  
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Crane Pick  
Long Island  
Expressway,  
NY

**BRIDGE INSTALLATION**



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**ACROW**  
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Crane  
Assisted  
Launch

**BRIDGE INSTALLATION**



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**ACROW**  
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**BRIDGE INSTALLATION**

Crane Assisted Launch



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**BRIDGE INSTALLATION**

Conventional Launch

- Slowly Push/Pull Bridge Across Gap



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**BRIDGE INSTALLATION**

Conventional Launch

- Push Till End of Nose Reaches Abutment
- Disassemble Nose
- Jack Down Bridge onto Bearings



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**ACROW**  
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**BRIDGE INSTALLATION**

**Conventional Launch**

- Install Remaining Decking
- Install Back Wall



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