

A Turnkey Design Build Bridge Proposal For the East County Bridge

from



(Bridge Designers)



(Bridge Builders)

Exclusively Specializing in Bridges for 36 Years in the United States of America and International

FIGG Bridges in 42 states and 6 countries

Family of Bridge Companies:

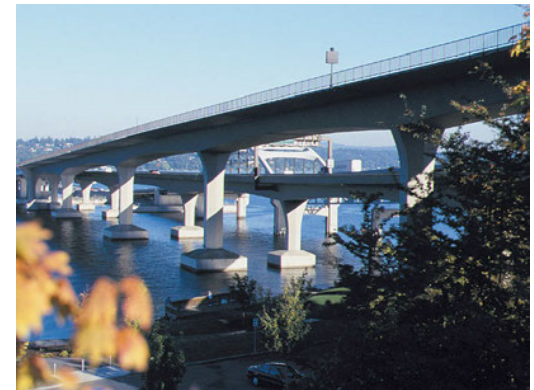
FIGG Bridge Engineers
FIGG Bridge Inspection
FIGG Bridge Developers
FIGG Bridge Managers



■ ■ ■ Building Bridge Landmarks™



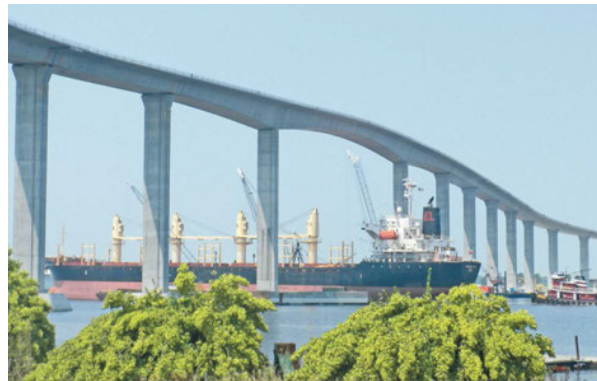
FLORIDA



WASHINGTON



COLORADO



VIRGINIA

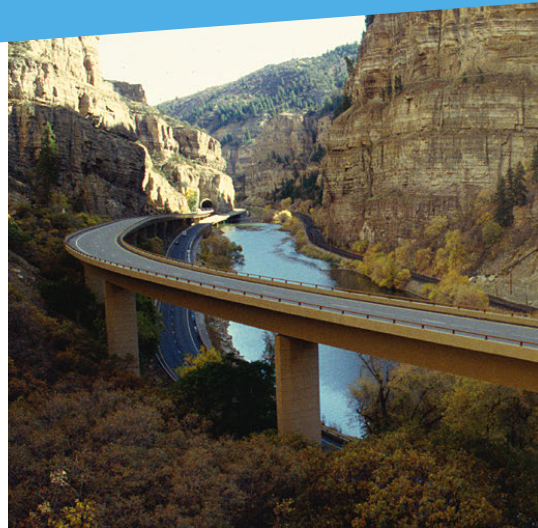


BOSTON

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355 Bridge Design Awards for Our Customers

All Bridges Built Because They Were Best Value



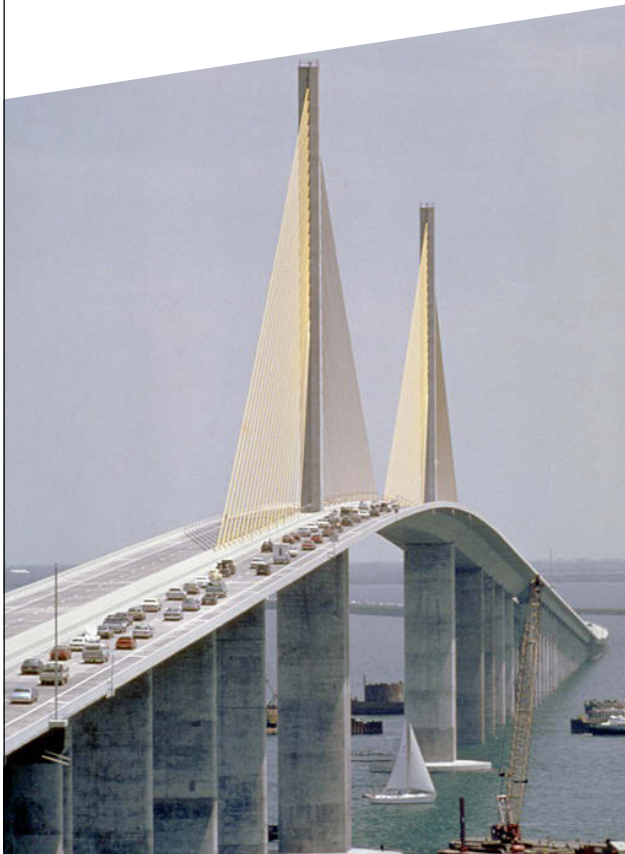
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3 Presidential Awards

through the National Endowment for the Arts
-Only 5 ever for Bridges-



CREATING BRIDGES AS ART®



Sunshine Skyway Bridge, FL



Blue Ridge Parkway Viaduct, NC
National Park Service



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Natchez Trace Parkway Arches, TN
National Park Service

FIGG Has Delivered the Most Long Span Concrete Bridges in America

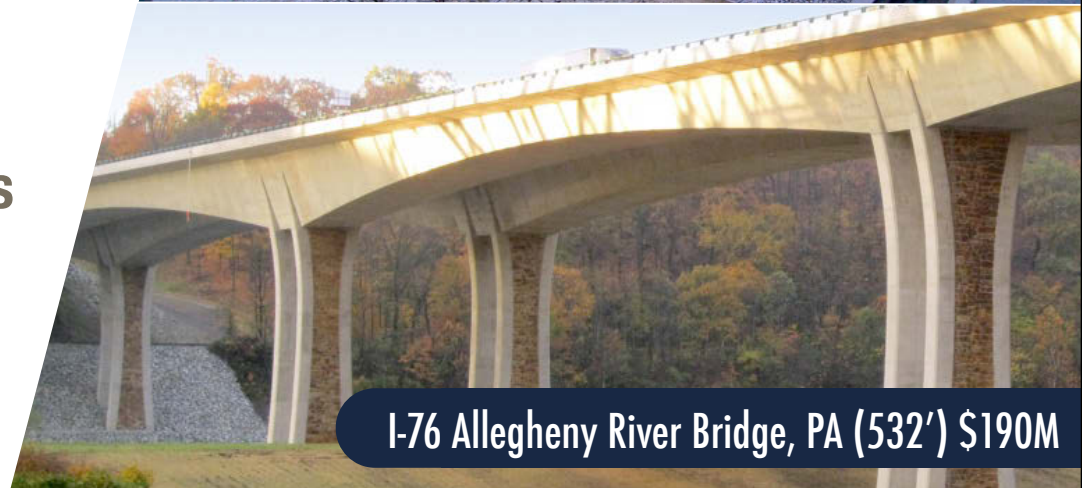
54 built long-span concrete bridges from 300' to 1200' spans as Engineer of Record

An unsurpassed record of success in closing long spans

©FIGG 2014



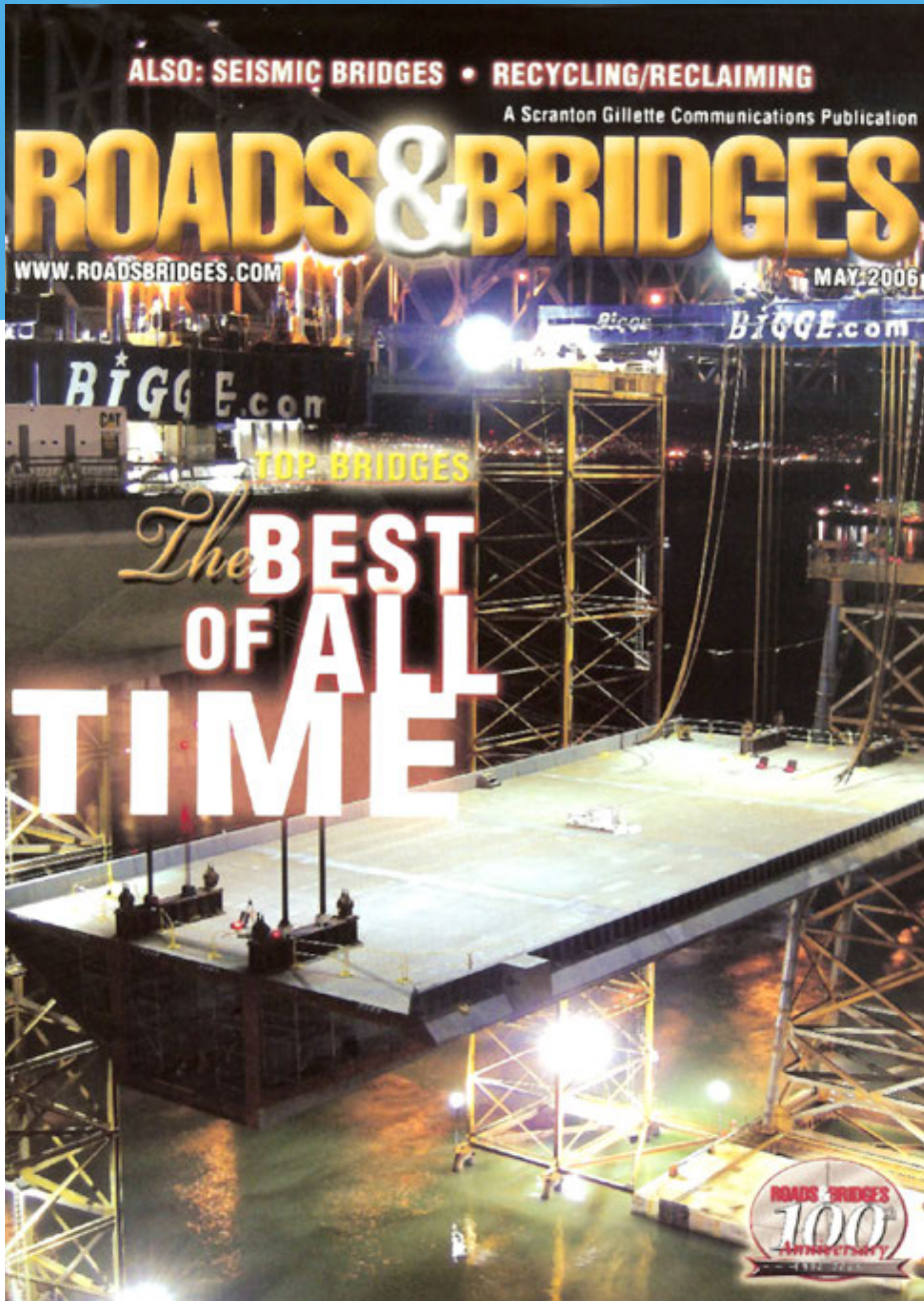
New I-35W Bridge, MN (504') \$234M



I-76 Allegheny River Bridge, PA (532') \$190M



I-91 Brattleboro Bridge, VT (510') \$60M



6 of the Top 25 Bridges of all time



Concrete Construction Engineering Handbook

Editor-in-Chief EDWARD G. NAWY

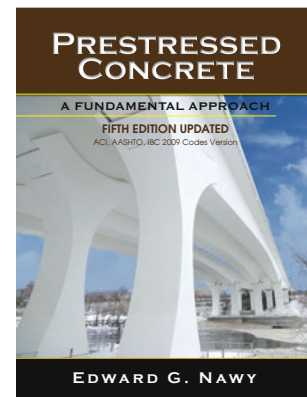
SECOND EDITION

Concrete Construction Handbook

Edward G. Nawy, Editor-in-Chief

I-280 Veteran's Glass City Skyway on cover
Design by FIGG

Chapter 29 - Aesthetics in the construction and design of long-span prestressed concrete bridges. Authored by Linda Figg



New I-35W Bridge,
Minnesota on cover
design by FIGG

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FIGG Bridges showcased on 7 television shows in the last 14 years



MODERN MARVELS



NOVA



©FIGG 2014

History of Concrete 2000 - Modern Marvels
(All major bridges designed by FIGG)

Overseas Highway 2003 - Modern Marvels
(Seven Mile Bridge, FL Keys)

Sunshine Skyway Bridge 2004 - Modern Marvels
(Skyway Bridge, Tampa FL)

History of Arches 2004 - Modern Marvels
(Natchez Trace Parkway Arches, TN)

Mountain Roads 2007 - Modern Marvels
(Blue Ridge Parkway, NC)

Super Bridge 2003 - 2 hour PBS/NOVA Special
Clark Bridge, IL

**Twin City Bridge:
After the Collapse 2009 - National Geographic**
(New I-35W Bridge, Minnesota)



RAIL BRIDGES



ARCHES



CABLE STAYED BRIDGES



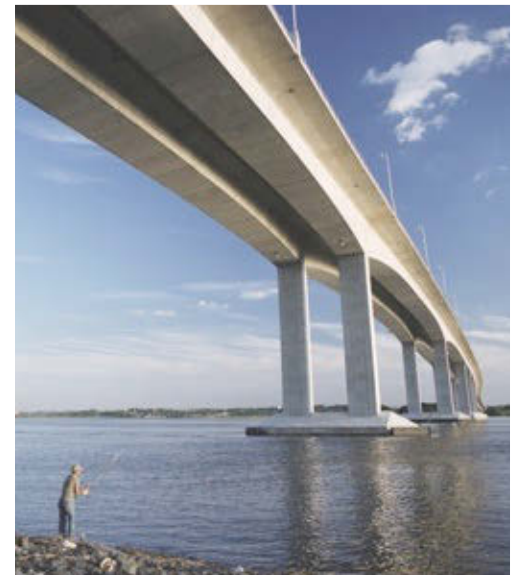
ENVIRONMENTAL BRIDGES



URBAN BRIDGES



**LONG BRIDGES
OVER WATER**



LONG SPAN BRIDGES

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**Blue Ridge Parkway Viaduct
Grandfather Mountain, NC
for FHWA/National Park Service**

**Environmentally Sensitive Bridge in
Harmony with Nature**

©FIGG 2014



**Blue Ridge Parkway Viaduct
Grandfather Mountain, NC
for FHWA/National Park Service**

Built using local labor and local materials

©FIGG 2014



**Blue Ridge Parkway Viaduct
Grandfather Mountain, NC
for FHWA/National Park Service**

**Built from above protecting the
beautiful environment**

©FIGG 2014



**Blue Ridge Parkway Viaduct
Grandfather Mountain, NC
for FHWA/National Park Service**

Black Iron Oxide Matches Boulders

©FIGG 2014



I-76 Allegheny River Bridge
Pittsburgh, Pennsylvania

532' Main span
Twin wall piers

©FIGG 2014



**I-76 Allegheny River Bridge
Pittsburgh, Pennsylvania**

Built over water, rail and highway

©FIGG 2014



US 191 Colorado River Bridge
Moab, Utah at Arches National Park

438' spans

©FIGG 2014



**US 191 Colorado River Bridge
Moab, Utah at Arches National Park**

Sustainable Context Sensitive Solutions

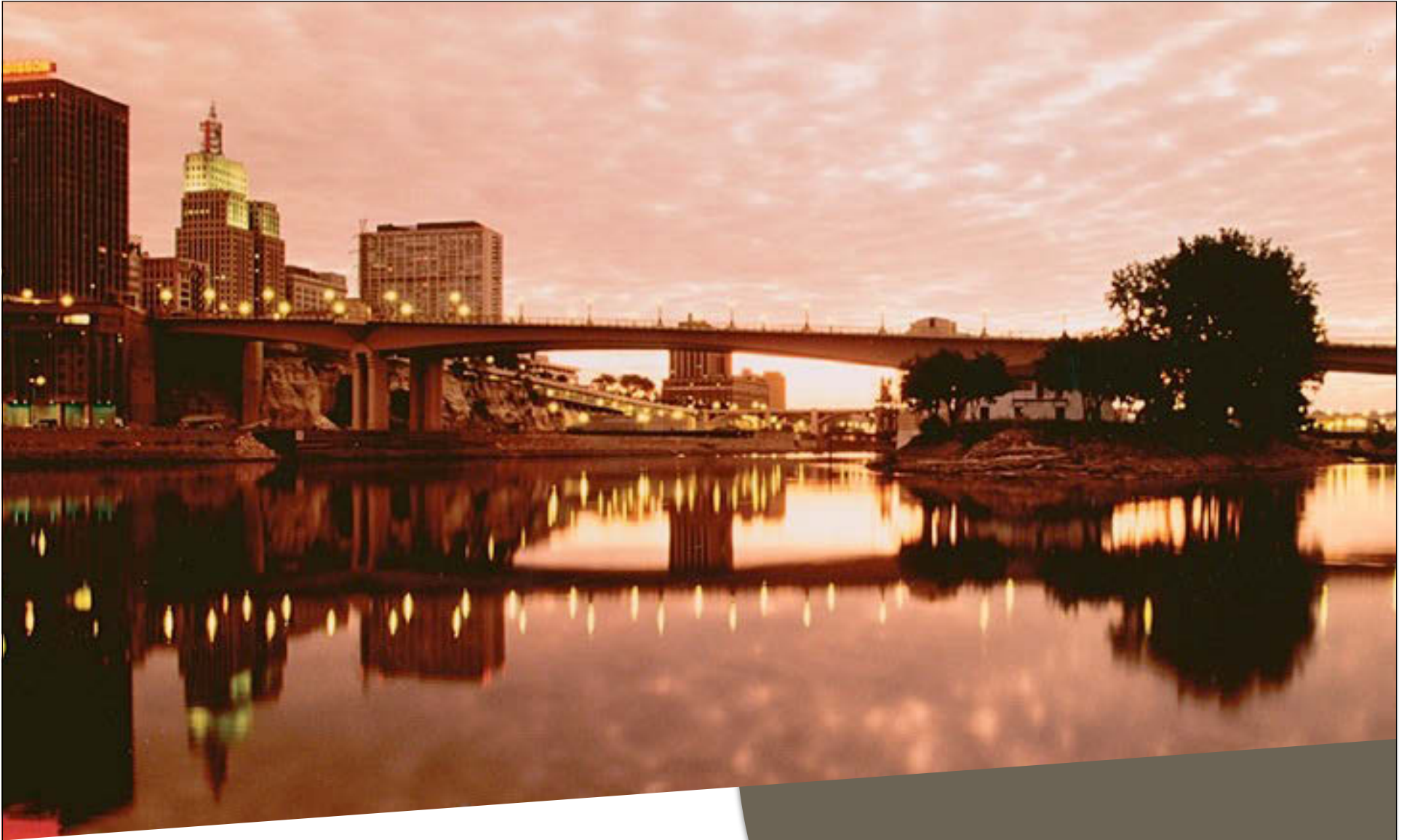
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Wabasha Freedom Bridge
St. Paul, Minnesota

397' Main span over Mississippi River

©FIGG 2014



Wabasha Freedom Bridge
St. Paul, Minnesota

7 Design Awards for our Customer

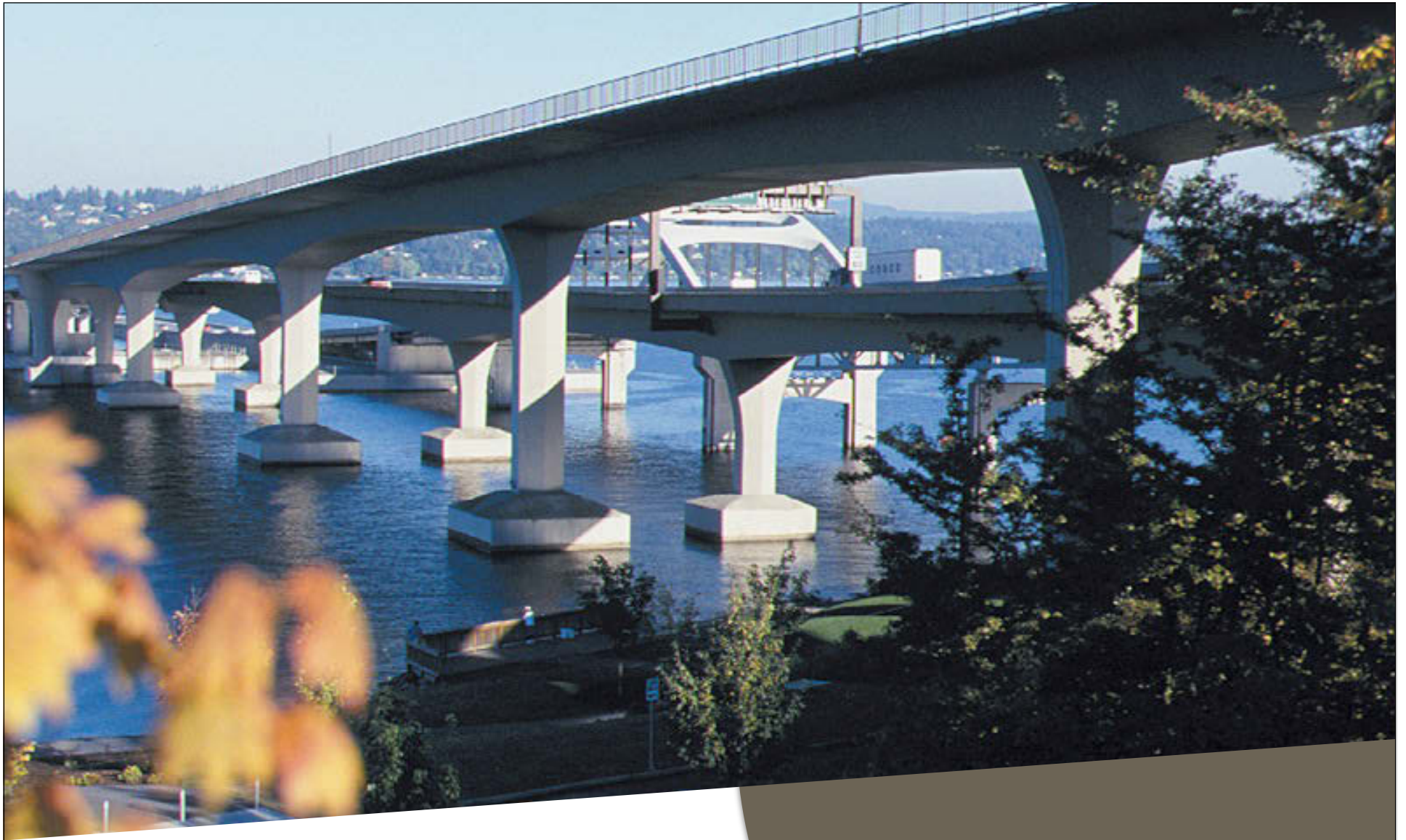
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**Monongahela River
Bridge Section 51H,
Brownsville, Pennsylvania**

Span lengths of 490', 518' and similar

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**I-90 Third Lake Washington Bridge
Approaches
Seattle, Washington**

**4,810' Total (4 Bridges)
1985**

©FIGG 2014

August 1, 2007
40 year old bridge in Minneapolis
collapsed and killed 13 people

The bridge had been rated as
structurally deficient and raised
concerns throughout the US for the
condition of bridges

New I-35W Bridge

Emergency Replacement
Bridge for Mn/DOT by FIGG

Designed and Built
in 11 Months
10 Lane Interstate
\$234 Million



©FIGG 2014



**New I-35W Bridge
Minneapolis, Minnesota**

**Segmental box girder
casting yard next to bridge site
Used local labor and local materials**

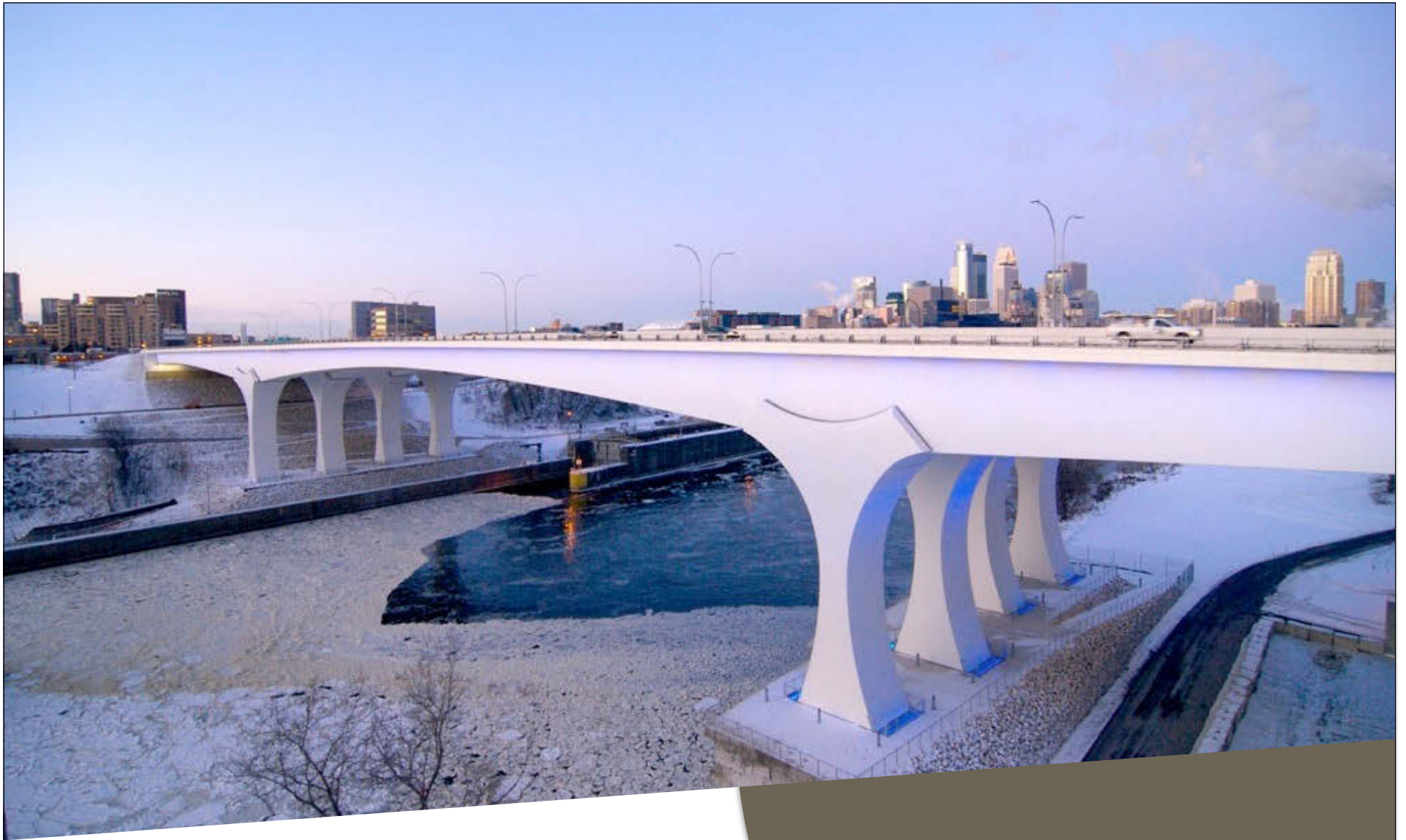
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New I-35W Bridge Minneapolis, Minnesota

120 segments installed for
10-lane Interstate across
Mississippi River in just 47 days

©FIGG 2014



**New I-35W Bridge
Minneapolis, Minnesota**

504' Main Span

©FIGG 2014

New I-35W Bridge - Minneapolis, Minnesota



70' Tall Piers with LED Lights

**NATIONAL
GEOGRAPHIC**

1 Hour Special

TWIN CITY BRIDGE: AFTER THE
COLLAPSE

Thursday January 22 4P


[Overview](#) [Video](#) [Photos](#)



In little over a year, an astonishing new bridge is designed and built to replace the I-35W bridge over the Mississippi River that tragically collapsed in Minneapolis, Minnesota.

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Eco-friendly Concrete

New I-35W Bridge 30' Precast Gateway Sculptures. Inspired by the ancient symbol  for water, the gateway design consists of three rippling forms that recall the river and the flow of life.

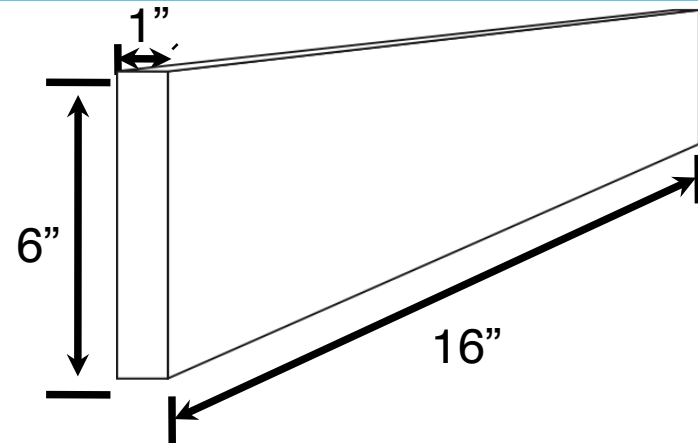
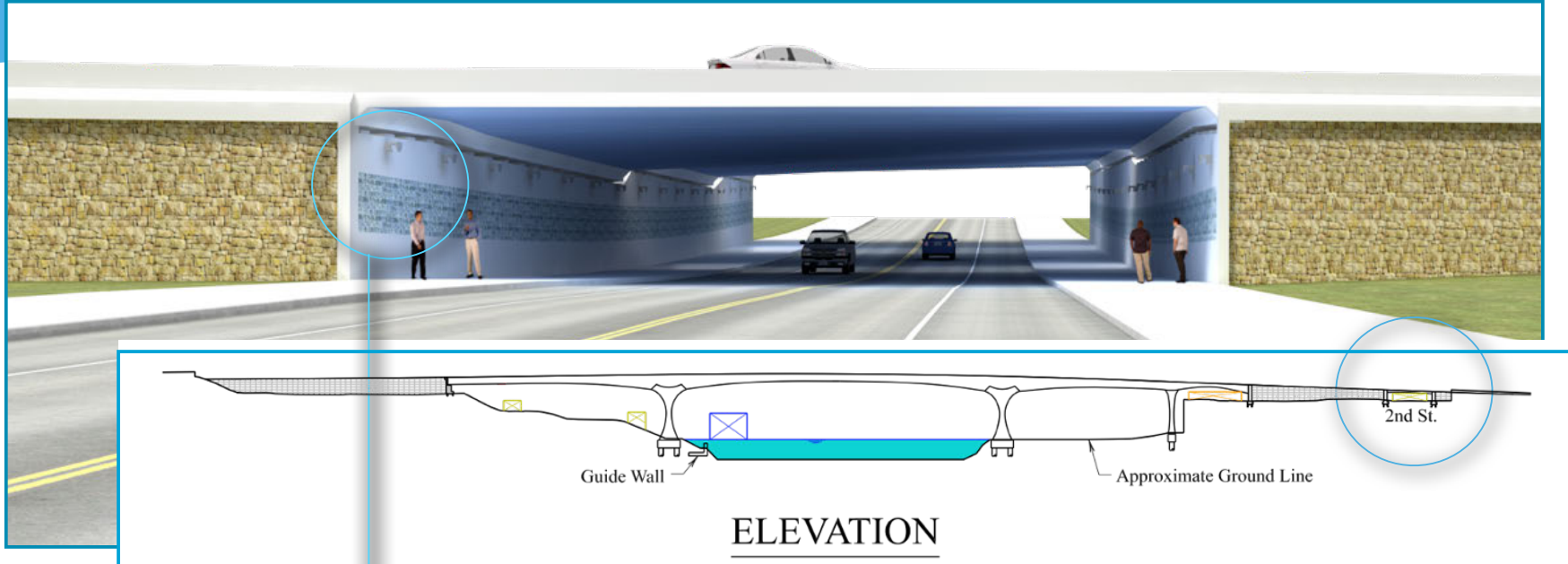
Nanotechnology self-cleaning and pollution-eating cement
When UV light hits surface of concrete it creates photocatalytic reaction that cleans pollution out of the air



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2nd Street Abutment Walls

Recycled Glass - Blue, Yellow & Green



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Casting the Future

Students filled molds with concrete and recycled glass aggregate.

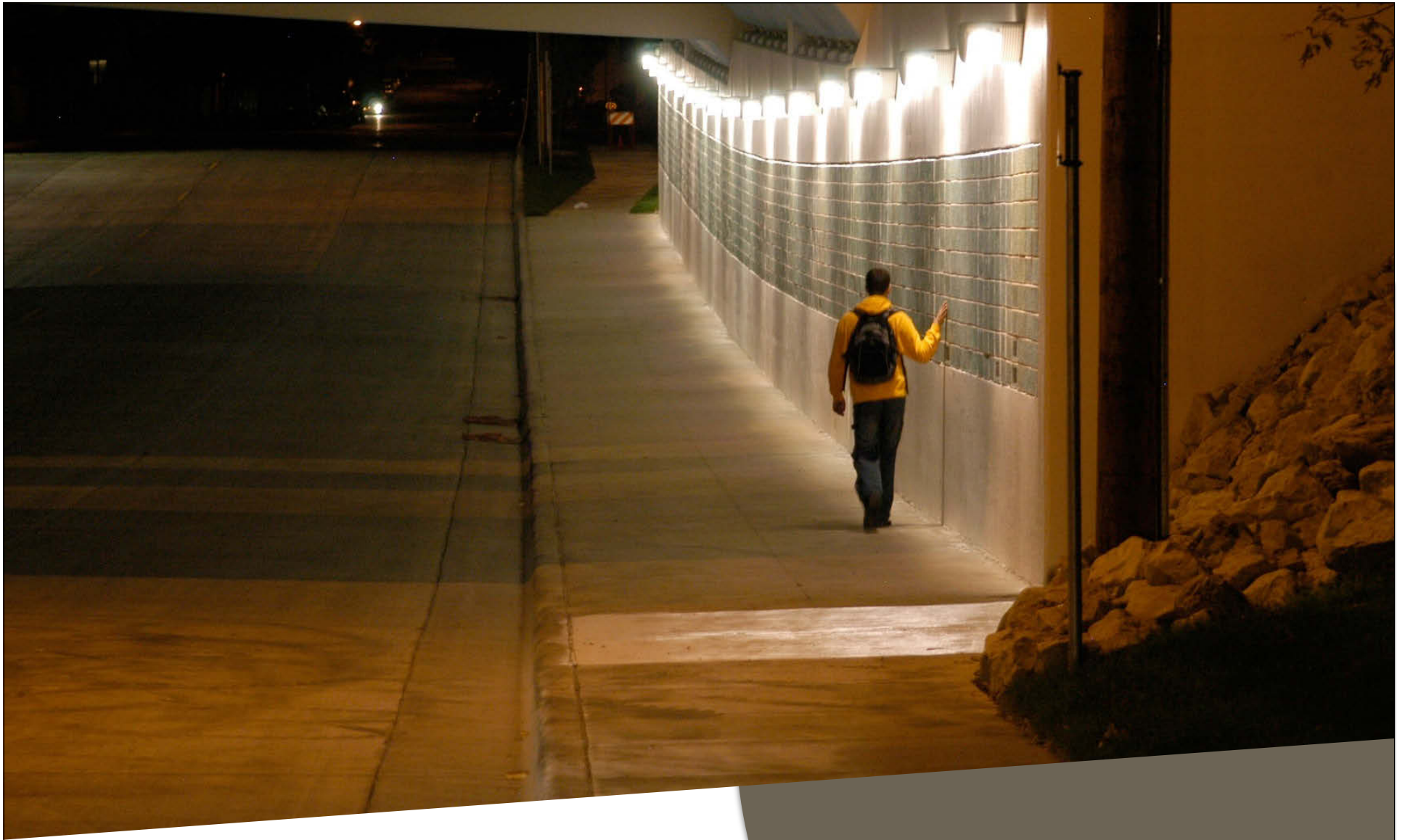




Casting the Future

Students proudly display their works of art made of concrete and recycled glass.

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2nd Street Mosaic Tiles

©FIGG 2014



**LED Highway Lighting for Interstate - A first.
Worked with US Dept. of Energy**

**New I-35W Bridge
Minneapolis, Minnesota**

**Opened Sept. 18, 2008 at 5 a.m.,
3 months ahead of schedule**

©FIGG 2014



**New I-35W Bridge
Minneapolis, Minnesota**

Winner of 25 design Awards

©FIGG 2014



**Natchez Trace Parkway Arches, TN
for FHWA/National Park Service**

**582' Spans
Designed by FIGG
Built by PCL**



©FIGG 2014



Smart Road Bridge Virginia

472' Main span
Designed by FIGG
Built by PCL



©FIGG 2014



Selmon Expressway, Tampa, Florida
5 miles of bridge over water and land

Designed by FIGG
Built by PCL



©FIGG 2014



I-91 Brattleboro Bridge Brattleboro, Vermont

515' Span
Designed by FIGG
Built by PCL



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