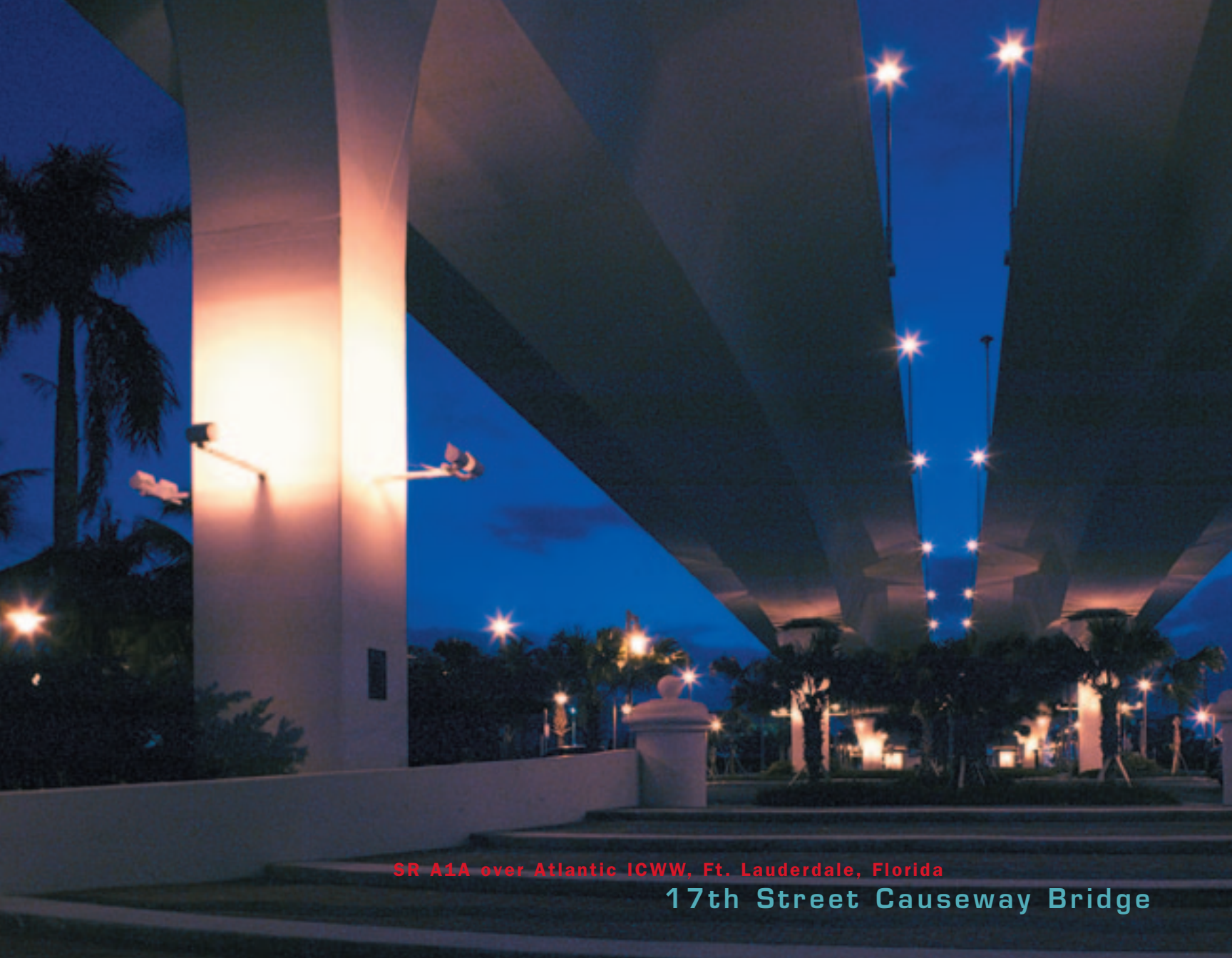




NATIONAL STEEL BRIDGE ALLIANCE



2003 PRIZE BRIDGES



SR A1A over Atlantic ICWW, Ft. Lauderdale, Florida

17th Street Causeway Bridge

Owner: Florida Department of Transportation

Designer: E.C. Driver & Associates, Inc.

General Contractor: Traylor Bros., Inc.

Steel Fabricator: PDM Bridge

Steel Detailer: Tensor Engineering Co.

Steel Erector: V&M Erectors, Inc.

Landscape Architect: Edward D. Stone & Associates, Inc.

Control House Architect: Solah

Approach Span Designer: Figg Bridge Engineers



PRIZE BRIDGE AWARD Movable Span



SR A1A over Atlantic ICWW, Ft. Lauderdale, Florida **17th Street Causeway Bridge**

Jurors Comments: Very elegant and spectacular bridge. Framing and deck very innovative. Excellent composition of structural forms. Jurors unanimous - stands out among the prize winning bridges.

Owner: Pennsylvania Turnpike Commission

Designer: Gannet Fleming, Inc.

General Contractor: Dick Corporation

Steel Fabricator: High Steel Structures, Inc.

Steel Detailer: High Steel Structures, Inc.

Steel Erector: Structural Services, Inc.

Construction Manager: Trumbull Corporation Construction
Management Services



PRIZE BRIDGE AWARD Long Span



Washington County, Pennsylvania

Mingo Creek Viaduct (Joe Montana Bridges)

Jurors Comments: Well conceived, structurally efficient and economical design. Elegant with slender piers. Good application for new HPS 70W steel.

Owner: Massachusetts Turnpike Authority

Designer: HNTB Corporation

General Contractor: Atkinson/Kiewit, a Joint Venture

Steel Fabricator: Grand Junction Steel

Steel Detailer: Tensor Engineering Co.

Steel Erector: Atkinson/Kiewit, a Joint Venture

Management Consultant: Bechtel/Parsons Brinckerhoff

Design Subconsultant: Figg Bridge Engineers



PRIZE BRIDGE AWARD Major Span



Boston, Massachusetts

Leonard P. Zakim Bunker Hill Bridge

Jurors Comments: Visually very striking, three-dimensional detailing very well executed. Hybrid towers are unique. Utilizes HPS70W effectively.

Owner: Texas Department of Transportation

Designer: Texas Department of Transportation

General Contractor: Williams Brothers Construction Company, Inc.

Steel Fabricator: Grand Junction Steel

Steel Detailer: Tensor Engineering Co.

Steel Erector: Williams Brothers Construction Company, Inc.

Architect: Rey de la Reza Architects, Inc.



PRIZE BRIDGE AWARD Medium Span



Houston, Texas

US 59 Houston Gateway

Jurors Comments: Utilizes innovative post-tensioned deck and tie system, thereby eliminating fracture critical members. Precast deck system used for rapid construction. Aesthetically very pleasing, blends well into the environment. Effective gateway type structure.

Owner: MTA Bridges & Tunnels

Designer: Hardesty & Hanover, LLP

General Contractor: KiSKA Construction

Steel Fabricator: Michelman-Cancelliere Iron Works

Bridge Builder: KiSKA Construction



PRIZE BRIDGE AWARD Reconstructed



Over Jamaica Bay, New York, NY

Marine Parkway Gil Hodges Memorial Bridge

Jurors Comments: A very effective, well engineered, and well executed restoration to a classic truss. Preserved an award winning bridge having the longest vertical lift span. Innovative deck replacement.

Owner: Pennsylvania Turnpike Commission

Designer: Wilbur Smith Associates, Inc.

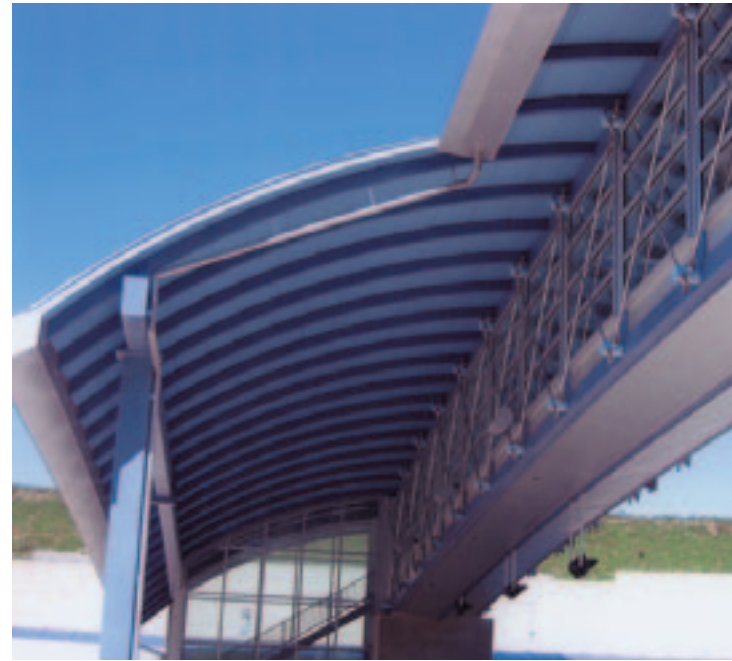
General Contractor: A&L, Inc.

Steel Fabricator: Continental Bridge, Inc.

Steel Detailer: Continental Bridge, Inc.

Steel Erector: A&L, Inc.

Architects and Planners: Celli-Flynn Brennan Turkall, Inc.



PRIZE BRIDGE AWARD Special Purpose

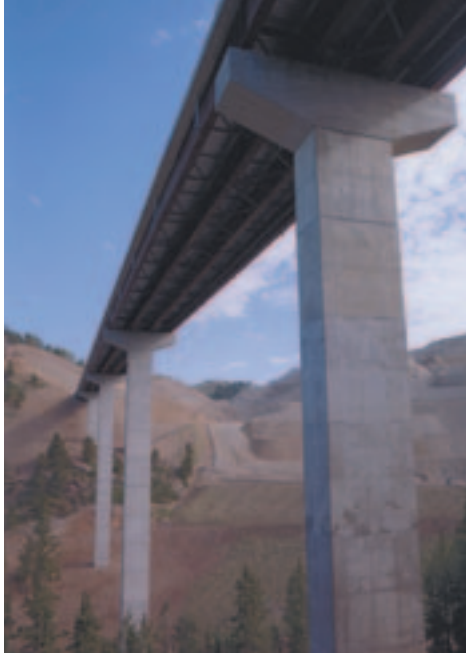


Allegheny County, Pennsylvania **Mon-Fayette Pedestrian Bridge**

Jurors A unique and graceful solution. Very functional for turnpike employees.
Comments: Creates an elegant entrance to the turnpike system.

**Arequa Gulch
Bridge**
**(SH67 over
Arequa Gulch**
Cripple Creek,
Colorado

**M E R I T
A W A R D**



Long Span

| | |
|----------------------------|---------------------------------------|
| Owner: | Colorado Department of Transportation |
| Designer: | HDR Engineering, Inc. |
| General Contractor: | Edward Kraemer & Sons, Inc. |
| Steel Fabricator: | Trinity Industries |
| Steel Detailer: | Central Detailing Service |
| Steel Erector: | OLSENBEAL |

**William H. Natcher
Bridge**
between Owensboro,
Kentucky and
Rockport, Indiana

**M E R I T
A W A R D**



Major Span

| | |
|-----------------------------|--------------------------------------------|
| Owner: | Kentucky Transportation Cabinet |
| Designer: | Parsons Brinckerhoff Quade & Douglas, Inc. |
| General Contractor: | Traylor Bros., Inc. |
| Steel Fabricator: | Vincennes Steel Corporation |
| Steel Detailer: | Tensor Engineering Co. |
| Steel Erector: | Traylor Bros., Inc. |
| Stay Cable Supplier: | VSL |
| Wind Tunnel Testing: | Rowan Williams Davies & Irwin, Inc. |

**Gene Hartzell
Memorial Bridge**

SR 33 & I-78
Interchange near
Easton, Pennsylvania

**M E R I T
A W A R D**



Major Span

Owner: Pennsylvania Department of
Transportation

Designer: URS Corporation

General Contractor: Dick Corporation

Steel Fabricator: PDM Bridge

Steel Detailer: Tensor Engineering Co.

Steel Erector: American Bridge

**Fort Meigs
Memorial Bridge**

Maumee &
Perrysburg, Ohio

**M E R I T
A W A R D**



Medium Span

Owner: Ohio Department of
Transportation

Designer: Adache Ciuni Lynn
Associates, Inc.

General Contractor: Mosser Construction, Inc.

Steel Fabricator: PDM Bridge

Steel Detailer: Tensor Engineering Co.

Steel Erector: Dynamics Currents Corporation

Sixth Street Viaduct

Milwaukee,
Wisconsin

**MERIT
AWARD**



Movable Span

Owner: City of Milwaukee Department of Public Works

Designer: HNTB Corporation

General Contractor: Milwaukee Gateway Partners

Steel Fabricator: PDM Bridge

Steel Detailer: Tensor Engineering Co.

Steel Erector: Zenith Tech/Parker Construction

Architect: HNTB Corporation

Henry Ford Grade Separation

Wilmington,
California

**MERIT
AWARD**



Railroad

Owner: Alameda Corridor Transportation Authority

Designer: HNTB Corporation

General Contractor: Shimmick Construction Company, Inc./Obayashi Corporation, JV

Steel Fabricator: Samsung Heavy Industries Co.

Steel Detailer: Samsung Heavy Industries Co.

Steel Erector: Adams & Smith, Inc.

Strawberry Mansion Bridge

Philadelphia,
Pennsylvania

**MERIT
AWARD**



© JMS Co., Inc.

Reconstructed

Owner: City of Philadelphia, Department of Streets, Bridge Division

Designer: Lichtenstein Consulting Engineers, Inc.

General Contractor: IA Construction Corporation

Steel Fabricator: Thomas A. Lindstrom, Inc.

Steel Detailer: Leonard Kunkin Assoc., Inc.

Steel Erector: Thomas A. Lindstrom, Inc.

Architect: Susan Maxwell Architects

Sponsor: Pennsylvania Department of Transportation

East Carquinez Bridge

Vallejo, California

**MERIT
AWARD**



Reconstructed

Owner: California Department of Transportation

Designer: CH2M Hill

General Contractor: Balfour Beatty Construction, Inc.

Steel Fabricator: Shanghai Zhenhua Port Machinery Co. Ltd (ZPMC)

Steel Detailer: Shanghai Zhenhua Port Machinery Co. Ltd (ZPMC)

Steel Erector: Christie Constructors, Inc.

Spanish Oaks Golf Course Bridge at Hole #18

Bee Caves, Texas

**MERIT
AWARD**



Short Span

Owner: CCNG Development Co., L.P.

Structural Engineer: Pickett, Kelm & Associates

General Contractor: JC Evans Construction

Steel Fabricator: Hirschfeld Steel Co., Inc.

Steel Detailer: AKT Drafting

Steel Erector: TexSteel International, Inc.

Civil Engineer: Murfee Engineering

Landscape Architect: Bosse Compton & Turner

Golf Course Designer: Weed Design

21st Avenue Pedestrian Bridge

Vanderbilt University,
Nashville, Tennessee

**MERIT
AWARD**



© Anton Grassl

Short Span

Owner: Vanderbilt University

Designer: William Wilson Associated
Architects, Inc.

General Contractor: Centex Rodgers, Inc.

Steel Fabricator: Steadfast Bridge Co.

Steel Detailer: Steadfast Bridge Co.

Steel Erector: Sentry Steel

Architect: William Wilson Associated
Architects, Inc.

Consultant: Carpenter-Wright Engineers

Millennium Bridge

Denver, Colorado



**MERIT
AWARD**

Special Purpose

Owner: Central Platte Valley
Metropolitan District

Designer/Architect: ArchitectureDenver

General Contractor: Edward Kraemer & Sons, Inc.

Steel Fabricator: Colorado Bridge & Iron

Steel Detailer: Colorado Bridge & Iron

Steel Erector: Stone River Inc.

Engineer: ARUP

Consulting Firm: Ewbank, Inc.

Berkeley Pedestrian and Bicycle Overcrossing

Berkeley, California



**MERIT
AWARD**

Special Purpose

Owner: City of Berkeley

Designer: OPAC Consulting Engineers, Inc.

General Contractor: C.C. Myers, Inc.

Steel Fabricator: Universal Structural, Inc.

Steel Detailer: Wasatch Detailing Corporation

Steel Erector: Adams & Smith, Inc.

Architect: MacDonald Architects

Consultant: Lin Tung-Yen China, Inc.

2003 NSBA Prize Bridge Competition Jurors

Dr. Karl H. Frank, P.E.

Professor

University of Texas-Austin

Mr. Thomas D. Jenkins, P.E.

Vice President

URS Corporation

Mr. Kenneth D. Price, P.E., S.E.

Vice President, Director of Bridge Service

HNTB Corporation

Mr. James E. Sothen, P.E.

Director Structural Division

West Virginia Department of Highways



Allegheny County, Pennsylvania

**Mon-Fayette
Pedestrian Bridge**

The Prize Bridge Competition

originated in 1918 to acknowledge outstanding steel bridge designs.

Qualities that can be considered for an award include:

- aesthetics
- innovation in design and construction
- design details
- use of materials



NATIONAL STEEL BRIDGE ALLIANCE

A Division of the American Institute of Steel Construction



NATIONAL STEEL BRIDGE ALLIANCE

2003 PRIZE BRIDGES