Prize Bridges / 1973

Steel bridges selected in the annual national competition conducted by the American Institute of Steel Construction as the most beautiful bridges opened to traffic in 1972.

AWARD CATEGORIES

LONG SPAN BRIDGES
Bridges having one or more spans of over 400 ft in length.

MEDIUM SPAN BRIDGES, HIGH CLEARANCE
Bridges with vertical clearance of 35 ft or more, costing over $500,000, and having no single span (as measured by the supporting foundations) longer than 400 ft in length.

MEDIUM SPAN BRIDGES, LOW CLEARANCE
Bridges having vertical clearances of less than 35 ft, costing over $500,000, and having no single span (as measured by the supporting foundations) longer than 400 ft in length.

SHORT SPAN BRIDGES
Bridges having fixed spans and costing less than $500,000.

HIGHWAY GRADE SEPARATION BRIDGES
Bridges whose basic purpose is highway grade separation as contrasted to the above categories.

ELEVATED HIGHWAYS OR VIADUCTS
Bridges having more than five spans, which cross over one or more established traffic lanes, and which may afford access for pedestrian travel and for parking.

MOVABLE SPAN BRIDGES
Bridges having a movable span.

SPECIAL PURPOSE BRIDGES
Includes pedestrian overpass bridges, and other special purpose bridges not identifiable to one of the above categories.
A lasting interest in improved bridge design that is helping to extend a public service by stimulating this competition and awards the prizes in the event.

The American Institute of Steel Construction Sponsors

and contribute.

The American Institute of Steel Construction

and strive for excellence in recognition of their contribution.

To establish an equitable basis for competition, awards are made in each of several classes, and in several categories.

To promote a more widespread appreciation of the

and form, skillfully executed in beautiful bridges of steel.

The enduring beauty of steel bridges is eloquent tribute to the vision and skill of the men who plan, design, and build them. The bridge designer of today is both artist and engineer. He understands the potential of strength and beauty, which is inherent in steel structure, and he knows how to express it in a never to be matchedinya

This presentation is a tribute to the skill and craftsmanship of steel bridge design in the United States during the previous year.

To be the most beautiful of those opened to traffic in the

engaged, consists of leading educators, architects, and

awards, composed of leading educators, architects, and

Bridge Competition. Each year a distinguished jury of

bridge competition sponsors an annual prize

Institute of Steel Construction.

The American

excellence of modern bridge design. The American

assessments of steel bridges, and to honor the architectural
Atchafalaya River Bridge
PRIZE BRIDGE 1973 / LONG SPAN

DESIGNER  Modjeski and Masters, Harrisburg, Pennsylvania
OWNER     Louisiana Dept. of Highways, Baton Rouge, Louisiana

GENERAL CONTRACTORS
Superstructure: John F. Beasley Construction Company, Dallas, Texas
Substructure: Massman Construction Company, Kansas City, Missouri

FABRICATOR  Vincennes Steel Corporation, Division of NOVO Corporation, Vincennes, Indiana
ERECTOR    John F. Beasley Construction Company, Dallas, Texas

Jurors' Comments: "This bridge has a slender grace that is most attractive. The balance between the center and end spans and the overall geometry present a smooth, pleasing river crossing."
Railway Bridge
LL Line Over N. P. Ry. & LD 5 Line
PRIZE BRIDGE 1973 / MEDIUM SPAN, LOW CLEARANCE

DESIGNER Washington State Highway Commission, Olympia, Washington
ARCHITECTURAL CONSULTANT Edward J. Green, AIA, Olympia, Washington
OWNER State of Washington, Olympia, Washington
GENERAL CONTRACTOR Peter Kiewit Sons' Co., Vancouver, Washington
FABRICATOR Isaacson Structural Steel Company, Division of Isaacson Corporation, Seattle, Washington
ERECTOR Peter Kiewit Sons' Co., Vancouver, Washington

Jurors' Comments: "Graceful and well proportioned, this bridge fits beautifully into the landscape. The haunched girders are especially well planned and add an intriguing subtlety to the structure."
**Hatfield Bridge**

**PRIZE BRIDGE 1973 / SHORT SPAN**

<table>
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<tr>
<th>DESIGNER</th>
<th>Owen Ayers &amp; Associates, Eau Claire, Wisconsin</th>
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<tr>
<td>OWNER</td>
<td>Jackson County Highway Dept., Black River Falls, Wisconsin</td>
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<tr>
<td>GENERAL CONTRACTOR</td>
<td>Lunda Construction Company, Black River Falls, Wisconsin</td>
</tr>
<tr>
<td>FABRICATOR</td>
<td>Phoenix Steel Corporation, Eau Claire, Wisconsin</td>
</tr>
<tr>
<td>ERECTOR</td>
<td>Lunda Construction Company, Black River Falls, Wisconsin</td>
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Jurors' Comments: "A graceful rustic bridge that fits beautifully into a magnificent setting. The nicely inclined bents seem to provide a picture frame for this lovely site and become a relevant part of the entire scene."
Glen Lily Road No. 2 Over Green River Parkway
PRIZE BRIDGE 1973 / HIGHWAY GRADE SEPARATION

DESIGNER  Kroboth Engineers, Inc., Lexington, Kentucky
OWNER  Commonwealth of Kentucky, Dept. of Transportation, Frankfort, Kentucky
GENERAL CONTRACTOR  Peter Kiewit Sons' Co., Omaha, Nebraska
FABRICATOR  Peden Steel Company, Raleigh, North Carolina
ERECTOR  Nashville Bridge Company, Nashville, Tennessee

Jurors' Comments: "This light and airy bridge beautifully and naturally frames the picture ahead for the approaching motorist to enjoy. It is particularly well suited to the site."

Bowling Green, Kentucky
Spokane, Washington

**Latah Creek Bridge**

PRIZE BRIDGE 1973 / ELEVATED HIGHWAYS OR VIADUCTS

**DESIGNER** Howard Needles Tammen & Bergendoff, Kansas City, Missouri

**OWNER** Burlington Northern, St. Paul, Minnesota

**GENERAL CONTRACTOR** Hensel Phelps Construction Company, Greeley, Colorado

**FABRICATOR** Kansas City Structural Steel Co., Kansas City, Kansas

**ERECTOR** Don L. Cooney, Inc., Tacoma, Washington

Juror's Comments: "Simple, yet majestic, this bridge appears light as a ribbon flowing across a deep valley. It is a breathtaking structure that provides a fine illustration of the effective use of modern materials and technology."
Harvey Canal Bridge
PRIZE BRIDGE 1973 / MOVABLE SPAN

DESIGNER  de Lauréal Engineers, Inc., New Orleans, Louisiana
OWNER Jefferson Parish, Dept. of Roads & Bridges, Gretna, Louisiana
GENERAL CONTRACTOR Boh Bros. Construction Co., Inc., New Orleans, Louisiana
FABRICATOR/ERECTOR Bristol Steel & Iron Works, Inc., Bessemer Division, Bristol, Virginia

Jurors' Comments: "This graceful bridge is a fine tribute to the thoughtful design devoted to usually difficult details in a bridge of this type. The result is one of overall attractiveness. The arrangement of the pieces is nicely done and the special treatment given the operator's house reflects considerable thought and attention."
Pedestrian Overpass
At Avenue Z
PRIZE BRIDGE 1973 / SPECIAL PURPOSE

DESIGNER/OWNER Texas Highway Dept., Austin, Texas
GENERAL CONTRACTOR HCW Construction Co., Inc., Odessa, Texas
FABRICATOR Robberson Steel Company, Oklahoma City, Oklahoma
ERECTOR HCW Construction Co., Inc., Odessa, Texas

Jurors' Comments: “This is an attractive pedestrian bridge that seems to exactly state its purpose. It presents a free flowing feeling and the end ramps blend beautifully into the design.”
Piscataqua River Bridge

AWARD OF MERIT 1973 / LONG SPAN

DESIGNER     Hardesty & Hanover, New York, New York
OWNERS        State of Maine, Dept. of Transportation, Augusta, Maine
              State of New Hampshire, Dept. of Public Works and Highways, Concord, New Hampshire
GENERAL CONTRACTORS  Bethlehem Steel Corporation, Bethlehem Pennsylvania
              Cianbro Corporation, Pittsfield, Maine
FABRICATORS   Bancroft & Martin Inc., South Portland, Maine
              Bethlehem Steel Corporation, Bethlehem, Pennsylvania
ERECTORS      Bethlehem Steel Corporation, Bethlehem, Pennsylvania
              Cianbro Corporation, Pittsfield, Maine
1-80 over Missouri River
AWARD OF MERIT 1973 / LONG SPAN

DESIGNER Howard Needles Tammen & Bergendoff, Kansas City, Missouri
OWNERS Iowa State Highway Commission, Ames, Iowa
       Nebraska Dept. of Roads, Lincoln, Nebraska
GENERAL CONTRACTORS
Superstructure: Pittsburgh-Des Moines Steel Company, Pittsburgh, Pennsylvania
Substructure: Jensen Construction Company, Des Moines, Iowa
FABRICATOR Pittsburgh-Des Moines Steel Company, Pittsburgh, Pennsylvania
ERECTOR John F. Beasley Construction Company, Dallas, Texas

Omaha, Nebraska—Council Bluffs, Iowa
Alderpoint Bridge
AWARD OF MERIT 1973 / MEDIUM SPAN, HIGH CLEARANCE

DESIGNER/OWNER  County of Humboldt, Dept. of Public Works, Eureka, California
GENERAL CONTRACTOR  Lew Jones Construction Co., San Jose, California
FABRICATOR/ERECTOR  Kaiser Steel Corporation, Oakland, California

Eel River at Alderpoint, California
Green River Bridge

AWARD OF MERIT 1973 / MEDIUM SPAN, HIGH CLEARANCE

DESIGNER/OWNER  North Carolina Dept. of Transportation and Highway Safety, Raleigh, North Carolina

GENERAL CONTRACTOR  Wannamaker and Wells, Inc. Orangeburg, South Carolina

FABRICATOR/ERECTOR  American Bridge Division, United States Steel Pittsburgh, Pennsylvania

Henderson County, North Carolina
Missouri Highway 7  
Over South Arm of Harry S. Truman Reservoir  
AWARD OF MERIT 1973 / MEDIUM SPAN, HIGH CLEARANCE

DESIGNER  Harrington and Cortelyou, Consulting Engineers, Kansas City, Missouri
RESPONSIBLE AGENCY  U.S. Army Corps of Engineers, Missouri River Division
OWNER  Missouri State Highway Commission, Jefferson City, Missouri
GENERAL CONTRACTOR  Anderson Construction Company, Holton, Kansas
FABRICATOR  Kansas City Structural Steel Co., Kansas City, Kansas
ERECTOR  Anderson Construction Company, Holton, Kansas
Eagle River Bridges

On I-70

AWARD OF MERIT 1973 / MEDIUM SPAN, LOW CLEARANCE

DESIGNER/OWNER: State of Colorado, Division of Highways, Denver, Colorado

GENERAL CONTRACTOR: A. S. Horner Construction Co., Inc., Denver, Colorado

FABRICATOR: The Midwest Steel & Iron Works Co., Denver, Colorado

ERECTOR: A. S. Horner Construction Co., Inc., Denver, Colorado
**East Evergreen Interchange**

**AWARD OF MERIT 1973 / HIGHWAY GRADE SEPARATION**

**DESIGNER/OWNER**  
State of Colorado, Division of Highways, Denver, Colorado

**GENERAL CONTRACTOR**  
Northwestern Engineering Company, Rapid City, South Dakota

**FABRICATOR**  
The Midwest Steel & Iron Works Co., Denver, Colorado

**ERECTOR**  
Northwestern Engineering Company, Rapid City, South Dakota
**Ridge Road Arch** Over I-70

**AWARD OF MERIT 1973 / HIGHWAY GRADE SEPARATION**

**DESIGNER**  Green Associates, Inc., Towson, Maryland

**OWNER**  Maryland Dept. of Transportation, Baltimore, Maryland

**GENERAL CONTRACTOR**  C. William Hetzer, Inc., Hagerstown, Maryland

**FABRICATOR/ERECTOR**  Pittsburgh-Des Moines Steel Company, Pittsburgh, Pennsylvania
West Connector Viaduct

AWARD OF MERIT 1973 / ELEVATED HIGHWAYS OR VIADUCTS

DESIGNER California Division of Highways, Bridge Dept., Sacramento, California
OWNER State of California, Sacramento, California
GENERAL CONTRACTOR Lew Jones Construction Co., San Jose, California
FABRICATOR/ERECTOR Pittsburgh-Des Moines Steel Company, Santa Clara, California

San Jose, California
Elevated PRT Guideway

Over Monongahela Blvd.

AWARD OF MERIT 1973 / SPECIAL PURPOSE

DESIGNER  Frederic R. Harris, Inc., Stamford, Connecticut
SPONSOR  Urban Mass Transportation Administration, Washington, D.C.
GENERAL CONTRACTOR  Trumbull Construction Company, Pittsburgh, Pennsylvania
FABRICATOR  The Allied Metals Company, Niles, Ohio
ERECTOR  Connell Steel Erectors, Youngstown, Ohio
Pedestrian Bridge

Over Wantagh State Parkway at Beltagh Avenue

AWARD OF MERIT 1973 / SPECIAL PURPOSE

OWNER Long Island State Park and Recreation Commission, Babylon, New York
GENERAL CONTRACTOR Horn Construction Co., Inc., Merrick, New York
FABRICATOR R & M Steel Corp., Carnegie, Pennsylvania
ERECTOR Horn Construction Co., Inc., Merrick, New York