



T H E

N O V A

A W A R D S

NOVA AWARD NOMINATION FORM

NOMINATIONS DUE MARCH 1

CONSTRUCTION INNOVATION FORUM®

6494 Latcha Road
Walbridge, OH 43465
Phone: 419-725-3108
Fax: 419-725-3079
E-Mail: info@cif.org
Web Site: www.cif.org



THE NOVA AWARD

The NOVA Award was created to recognize innovative techniques and methods, proven on actual projects that improve the quality and reduce the cost of construction.

The Construction Innovation Forum (CIF) invites NOVA Award Nominations from all sectors of the industry from all over the World. A person, an organization, or a combination of people and organizations can be recognized for their innovation. You are encouraged to nominate successful innovations by your colleagues, clients, consultants, contractors, suppliers, trades persons, and by yourself. Self Nominations are encouraged, because many subjects are best understood and presented by their creator. Nominations are due each year on March 1.

Each year the CIF presents NOVA Awards at its Innovation Celebration Banquet in November. This event is attended by hundreds of owners and construction industry leaders and is an international showcase of construction innovation. All Nominations are shown and Winners are showcased at the CIF web site www.cif.org.

How to submit a NOVA Award Nomination

The Nomination process is purposely simple. You are asked to supply a minimum of information and no more. This simplifies your Nomination and prevents recognition being awarded based largely on how well a Nomination is "packaged." Responsibility for documenting the value of NOVA Award Winners rests on in-depth investigations by CIF. Earlier years' Nominations may be viewed at www.cif.org.

- Nominations must follow the three-page format described in the Instructions (see next page).
- Nominations that do not meet this format or that contain incorrect information may be considered non-responsive.
- Information submitted in addition to the three-page format will not be reviewed by the Jury.
- The Jury reviews the Nominations and selects a short list for investigation by the CIF.
- The CIF contacts persons listed on the Nomination Form and other sources to research and document each selected innovation in a confidential report to the Jury.
- The Jury reviews the research reports and selects NOVA Award Winners and Finalists.
- The CIF contacts the Winners and prepares program material to describe the NOVA Award winning innovations at the Innovation Celebration Banquet.

Selection criteria

1. Each nominated innovation is judged on its effect upon the construction process and on facility service. It can be an innovation in the construction process itself or in materials, design, equipment, detailing, contract administration, labor relations, management, training, procurement, maintenance, use, etc. that improves the construction process and/or facility service. A project can be nominated for its innovative concepts or methods.
2. The innovation must be a proven success. It must have had a positive, important effect on construction or service, to improve quality or reduce cost. Innovation is implementation of new methods and technologies. It is not merely an idea that may be successful in the future. It must promote good practices.
3. The innovation must be a significant advance, not just a natural evolution of existing methods, common sense, or good practice.
4. The innovation must be documentable and presentable. Innovators and their employers must disclose sufficient information about the innovation to allow documentation for the Jury and an informative presentation at the Innovation Celebration Banquet.

NOVA Award Jury

Lawrence T. Gilbert, P.E.
Construction Manager
NTH Consultants

Peter Green
President and CEO
John E. Green
Mechanical Contractors

David L. Hamilton
President and CEO
George W. Auch Company

James H. J. Hughes, III, P.E.
Executive Vice President
Conesco Industries

Dennis King, AIA
CEO
HarleyEllis

RADM David J. Nash, P.E.
President
BE&K Government Group

David W. Pittman, Ph.D., P.E.
Director, Geotechnical and
Structures Lab
US Army Corps of
Engineers



Construction Innovation Forum - NOVA Award Nomination Instructions

Sheet 1

This is the "Signature Page" — Provide original signatures in Section B and E on this page. Signed letters may be substituted for original signatures.

- On line A of this page enter a descriptive **Name of Innovation** for the Process/Method/Technique/Project/Product you are nominating.
- If you need additional space, you may attach additional pages of names and addresses. You may attach extra pages only for Sheet 1.

Sheet 2

"Innovation Description" — Attach one (one only) 8-1/2" X 11" page that gives a succinct description of the innovation, in searchable text (not text in a figure). Put the name of the innovation at top of page. Provide the following specific information. Without it, the Jury cannot evaluate and seriously consider your nomination.

- What the innovation is and why it is innovative
- Where and when it originated, has been used, and is expected to be used in the future
- What it changed or replaced
- If the nomination is for an innovative project, specifically identify each of its innovations.

Sheet 3

"Innovation Illustration" — Attach one (one only) 8-1/2" X 11" page that contains one or more photographs, drawings, graphs, clauses, etc. that visually describe the innovation. Do not submit more than one page of visuals. The Jury will see only one page for review. Put the name of the innovation at top of page. If possible, enclose one set of computer files (jpg, gif, tif, or png files) and/or original prints of visuals to be exhibited on the CIF web site, www.cif.org.

Submit

Submit Nomination by E-Mail Attachment by March 1 to info@cif.org or by Regular/Air/Express Mail postmarked by March 1 to Construction Innovation Forum, 6494 Latcha Road, Walbridge, Michigan, U.S.A. 43465, U.S.A. Mailed submittals must be five sets of Sheets 1, 2, and 3 (total = 15 pages). Visit www.cif.org for further information and to see prior nominations. For answers to questions E-Mail: info@cif.org, Phone: 419-725-3108, Fax: 419-725-3079.

A. Name of Innovation: _____

B. Person(s) and/or Organization(s) Primarily Responsible for the Innovation (those to whom the NOVA Award Statue should be presented)

Name: _____
Title: _____
Affiliation: _____
Address: _____

Phone: _____
Fax: _____
E-Mail: _____
Signature: _____

(Signature indicates acceptance of the nomination and consent to have CIF research and make presentations on the innovation for the purpose of jurying and publicizing awards.)

C. Other Primary Sources of Information on the Innovation (in addition to the persons identified above)

Name: _____
Title: _____
Affiliation: _____
Address: _____

Phone: _____
Fax: _____
E-Mail: _____

D. Independent References Familiar with Use of the Innovation

Name: _____
Title: _____
Affiliation: _____
Address: _____

Phone: _____
Fax: _____
E-Mail: _____

E. Person(s) Making Nomination

Name: _____
Title: _____
Affiliation: _____
Address: _____

Phone: _____
Fax: _____
E-Mail: _____
Signature: _____

(The signature of one Nominator is required. Nominators represent that they are familiar with the innovation and the Nomination is correct to the best of their knowledge.)

Construction Innovation Forum

The Construction Innovation Forum (CIF) is a 501(c)(3) charitable organization founded in 1986 to advance the construction industry by recognizing and encouraging innovations that improve quality and reduce cost of construction.

CIF goals are the following:

- Publicly recognize construction innovations.
- Educate leaders on importance of innovation in their companies and associations.
- Encourage contractors, engineers, buyers, vendors to develop, use, require innovation.

Automated Aggregate Loading System

Driver activated drive-through loading

Automatic Rebar Tying Machine

Replaces manual rebar tying

BauMesh

Jig welded, cold-drawn wire stirrups and ties

Boston Central Artery Tunnel Jacking

Saved cost, time, and traffic, rail disruption

Cable-Stayed Bridge Cradle

Individual cable sleeves in bridge pylon

CIF Founding Directors

Focused the industry on innovation

Close Range Photogrammetry

Measure facilities from digital photos

Concrete Maturity and Temperature Logging

Strength is function of age, temperature

Continuous Belt Asphalt Roller

Stronger, more durable pavement

Contractor Wastewater Filtration

Extracts dissolved/suspended solids on site

Direct Drive Elevator

No penthouse or hydraulic cylinder

Effluent Outfall Tunnel Ventilation

Pulls fresh air from offshore end

EKOFISK Protective Barrier

Cast off-site and transported in North Sea

Electro-Osmotic Pulse

Prevents water intrusion in basements

Fiber Reinforced Plastic Glulam

Increases timber quality and economy

Field Welding Polyethylene Pipe

Enhanced cooling, pipe handling

F-Number System

Specification and measurement of slab flatness

Friction Pendulum Seismic Isolation

Absorbs energy during earthquake

Fume Free Hot Mix Asphalt

Easily eliminates asphalt fume and odor

Geopiers

Medium depth piers of compacted gravel

Green Building Technologies

Environmentally sound construction

Ground Penetrating Imaging Radar

Maps shallow subsurface infrastructure

Humboldt Stiffness Gauge

Directly measures soil stiffness

In-Situ Soil Remediation

Treats soil in columns to 100' depth

Intellisense Maximum Strain Monitoring

Measures maximum structural deformation

Kit of Parts

Modular, CAD-based system for Post Offices

Laser Scanning 3D As-Building

Quick, accurate 3D CAD models

The CIF supports its goals through its programs and events, which include

- NOVA Awards presented at Banquet
- CIF web site: www.cif.org
- Collaboration with other organizations

CIF membership and sponsorship are open to all in the construction industry. Members include

- Corporate, government owners of construction
- Contractors/construction managers
- Schools and universities and their faculty
- Architects and engineers
- Industry and labor associations, organizations
- Suppliers and vendors

NOVA Award Winners

Lift Premanufactured Bridges

Move large components horizontal, vertical

Liquid Flow Control Valve Insertion

Quick insert into water main without shutdown

Live Line System

Cleans large sewers as they operate

Lock-Up Device for Dynamic Loads

Supports share fast-acting lateral loads

LonWorks Control System on Chip

Standardized control of building systems

Micro-Composite Reinforcing Steel

Micro-designed steel reduces corrosion

Mobile Parapet for Roof Edges

Rolling guardrail gives fall protection

Mortarless Interlocking Brick Siding

Tongue and groove vertical wall tile

MOST Boilermaker Programs

Nationwide safety, training, qualification

Multi-Span Suspended Bridge Platform

Safer, quicker work under bridge decks

NCCER

National construction worker training programs

Norcrete Chloride Removal

Electrochemically removes concrete chlorides

Odyssey Real-Time Positioning System

Rapid, laser-based 3D on-site positioning

Open Cell Bulkheads

Efficient sheet pile cellular structures

Osterberg Load Cell

Tests pier soil compression, skin friction

Palisades Steam Generator Replacement

Replaced whole through opening in containment

Pallet Barrier Flood Fighting

Portable, temporary, reusable protection

Paradigm In-Place Concrete Recycling

Pavement breaking and crushing train

Pavement Composition Analysis

Quality assurance at highway speeds

Pavement Quality Indicator

Quick, non-nuclear pavement densitometer

Personal Mobile Crane Simulator

Improves operator training, screening

Pipebursting

Trenchless replacement of fracturable pipe

Pipeline Leak Noise Correlator

Locates leaks in plastic pipes

Plastic Pipe Fire Stop Devices

Stop spreading of fire, smoke in plumbing stacks

Pothole Patching Truck

Quicker, better, safer spray patching

Prefab Mass Customized Steel Frames

Systemized, automated fabrication, construction

NOVA Awards go to innovations in construction process, projects, and facility service and in materials, design, fabrication, equipment, procurement, contract administration, management, labor relations, training, maintenance, and safety that improve construction process and facility service.

The NOVA Award has been presented to 78 innovations involving 11 countries. The 500+ nominated innovations from more than 20 countries are described in a searchable Nomination database at www.cif.org.

Prestressed Carbon Fiber Reinforced Plastic

Replaces corrosion sensitive resteel

Project Equity Account Trust

Labor and management share project risk

Project Site-Based Child-Care

Increased female crafts on industrial project

Railroad Tunnel Ventilation System

Doubled Canada's transcontinental rail traffic

Rapid Deployment Crane Barge

Mobilize, transport without disassembly

Rapid-1 Hardening Accelerator

High early strength concrete with normal set

Recycled Plastic Timber

Better lumber from plastic bottles

Reinforced Concrete Tied-Arch Truss

Clear span roof of New Orleans Arena

Retrofit of Seismic Isolators

For concrete columns of fully occupied building

Rocky Flats Closure Project

Groundbreaking nuclear site cleanup, closure

Rouge Complex Sustainability Project

Environmentally sound industrial complex

Self Propelling Shoring Machine

Shores deep trenches for pipe installation

Side-Grip Pile Driver

One person operation from backhoe cab

Site Characterization Penetrometers

Subsurface evaluation of military bases

Small Asphalt Milling Attachment

Pulverizes pavements up to 12" thick

Smart System

Self-elevating automated building assembly

Soft-Cut Concrete Slab Sawing

Early dry-cutting reduces random cracking

Special Moment Resisting Truss

Diagonals yield to absorb seismic energy

Spinning Saw Stops on Human Contact

Instantaneous sensing, fast-acting braking

Steel-Free Concrete Bridge Decks

Eliminates internal corrosion and deterioration

3D GPS Based Earthmoving

Grade control without survey stakes

Tunnel Roof Casting Machines

Hydraulically adjustable travelling forms

Ultra-High Performance Ductile Concrete

Superior strength, durability, ductility, design

Ultra-Twist A325 Blind Bolt

Blind connections to structural steel tubes

Wireless Electric Switch

Remote control sends coded signals