international

AMERICAN CONCRETE INSTITUTE

1999 Annual Awards

"progress through knowledge"

MARCH 18, 1999
SPRING CONVENTION
REGENCY A
HYATT REGENCY CHICAGO

AWARDS

Honorary Memberships

John M. Hanson
Daniel P. Jenny
Raymundo Rivera-Villareal
James E. Roberts
Mete A. Sozen

Fellows

Membership Citations

Arthur R. Anderson Award

National Science Foundation Center for Science and Technology of Advanced Cement-Based Materials

Roger H. Corbetta Concrete Constructor Award

Thomas D. Verti

Joe W. Kelly Award

James K. Wight

Henry L. Kennedy Award

Daniel L. Baker
James R. Cagley
Norman L. Scott

Alfred E. Lindau Award

Loring A. Wyllie, Jr.

Henry C. Turner Medal

H.S. Lew

Charles S. Whitney Medal

Construction Technology Laboratories, Inc.

Cedric Willson Award

Richard W. Kriner

ACI Young Member Award for Professional Achievement

David B. MacDonald
Kelly M. Page
Chetan R. Raikar

Wason Medal for Materials Research

Ping Gu
Sandra Elliott
Roumianna Hristova (deceased)
Réjean Brousseau
Bruce Baldock
James J. Beaudoin

Wason Medal for Most Meritorious Paper

Hisham H.H. Ibrahim
James G. MacGregor

ACI Construction Practice Award

P. Kumar Mehta

ACI Structural Research Award

Shamim A. Sheikh
Shafik S. Khoury

ACI Structural Engineering Award

Michael P. Collins
Frank J. Vecchio
Robert G. Selby
Pawan R. Gupta

Delmar L. Bloem Awards for Distinguished Service

Michael J. Boyle
Charles W. Dolan
Peter Mendis
Antonio Nanni

Chapter Activities Award

Lorenzo Flores-Castro

Chapter Awards - Citations of Excellence

Concrete Research Council
Robert E. Philleo Award

Richard D. Gaynor

Reinforced Concrete Research Council
Arthur J. Boase Award

Anthony E. Fiorato

Portland Cement Association Concrete Bridge Awards

HONORARY MEMBERSHIP TO

JOHN M. HANSON

"for his many contributions to the concrete industry in structural engineering and research, and for his dedicated leadership of the Institute as ACI President"

John M. Hanson, a past president of ACI, is a distinguished engineering professor at North CarolinaState University, Raleigh, N.C., where he moved in 1993 following more than 20 years with Wiss, Janney, Elstner Associates, Northbrook, Ill.

An ACI member for nearly 40 years, he was president of the Institute in 1990 when he was also president of WJE. He joined the consulting firm in 1972 and was named president in 1979.

Hanson, also a Fellow of ACI, serves on the Concrete Research and Education Foundation's Scholarship Council; Committee 215, Fatigue of Concrete; the TAC Metrication Committee; and is a consulting member of Committee 318, Standard Building Code. He is a former member of Committee 445, Shear and Torsion.

His honors include ACI's Delmar L. Bloem Distinguished Service Award in 1976 for outstanding committee work; the Arthur J. Boase Award of the Reinforced Concrete Research Council; the Martin P. Korn Award of the Precast/Prestressed Concrete Institute; and the Raymond C. Reese and T.Y. Lin awards of the American Society of Civil Engineers.

In addition to these organizations, he is also a member of the International Association for Bridge and Structural Engineering and the International Concrete Repair Institute. Hanson was president of IABSE from 1993-97, the first non-European to hold this position.

He holds engineering degrees from South Dakota State University, Iowa State University, and Lehigh University and was an assistant professor at the latter before joining the Research and Development Laboratory of the Portland Cement Association. After nearly seven years with PCA in Skokie, Ill., he moved to WJE where he participated in numerous investigations of distress and failure of concrete, steel, and masonry structures.

HONORARY MEMBERSHIP

The Institute recognizes persons of eminence in its field, or those who perform extraordinary meritorious services to the Institute, by conferring on them Honorary Membership (see Bylaws, Article II, Section 2).

HONORARY MEMBERSHIP TO

DANIEL P. JENNY

"In recognition of his contributions to the concrete industry through his service on ACI committees and his leadership as technical director of the Precast/Prestressed Concrete Institute"

Daniel P. Jenny is the former vice president of the Precast Prestressed Institute, Chicago, Ill., retiring in 1990 after 24 years with the organization.

An ACI member for more than 40 years, he is a past member of ACI's Board of Direction, Technical Activities Committee, Convention Committee, Metrication Committee, and the Fellows Nominating Committee as well as several technical committees including 318, Standard Building Code; 213, Lightweight Aggregate and Concrete; 301, Specifications; 408, Bond and Development of Reinforcement; 423, Prestressed Concrete; and 533, Precast Panels.

Jenny served on Committee 318 for more than two decades and was recognized in 1995 with a Delmar L. Bloem Distinguished Service Award for his chairmanship of the precast/prestressed subcommittee and his efforts in the drafting of new Chapter 16 of the code.

Other honors include ACI's Henry C. Turner Medal in 1991 for his "distinguished career-long service" to the industry and for his "dedication to the highest levels of professional integrity"; the Arthur J. Boase Award of the Reinforced Concrete Research Council; and the Frank G. Erskine Award of the Expanded Shale, Clay, and Slate Institute.

A graduate of Marquette University and the University of Minnesota, he was with the Portland Cement Association in Chicago and Washington, D.C., and later with the Expanded Shale, Clay, and Slate Institute in Washington. He moved to PCI in 1966 as technical director, was named research director in 1987, and vice president in 1989.

Jenny is a member or former member of numerous professional organizations, including ASTM, the Reinforced Concrete Research Council, the International Association for Bridge and Structural Engineering, and the Building Seismic Safety Council.

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HONORARY MEMBERSHIP TO

RAYMUNDO RIVERA-VILLARREAL

"in recognition of extensive service and dedication to the development of student chapters and support of student activities"

Raymundo Rivera-Villarreal is professor emeritus, Civil Engineering School, Universidad Autonoma de Nuevo Leon, Mexico, and has been on the faculty there for nearly a half century. A Fellow of the Institute, he also heads the university's Concrete Technology Department and was a charter member and the first president of ACI's Northeast Mexico chapter. He currently serves as chairman of the RILEM Technical Committee 158, Role of Admixtures in High Performance Concrete, and has moderated a series of RILEM conferences on that suoject in Mexico, another is scheduled March 21-26, 1999, in Monterrey, N.L.

He is a member of ACI Committees 120, History of Concrete; 236, Materials Science of Concrete; E 701, Materials for Concrete Construction; and E 802, Educational Materials an Teaching Methods. Rivera is a former member of both the Chapter Activities Committee and the International Activities Committee as well as Committee 212, Admixtures.

His awards include the ICA (Associated Civil Engineers Foundation of Mexico) award for civil engineering teaching, and the CEMEX Award, also of Mexico. Also a fellow of RILEM, he is a past chairman of that organization's Technical Committee 84, Applications of Admixtures in Concrete.

Rivera was named professor emeritus in 1997 for his contributions in concrete technology to Mexico.

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HONORARY MEMBERSHIP TO

JAMES E. ROBERTS

"In recognition of his leadership in the design and construction of concrete bridges and his contribution to professional societies during his long service in the California Department of Transportation"

James E. Roberts is the chief deputy director, California Department of Transportation (CALTRANS), Sacramento, Calif., and has been with the state agency for 46 years.

One of the world's largest engineering and construction agencies, CALTRANS has an annual capital program of over $2 billion. Roberts, recently named an honorary member of the American Society of Civil Engineers, oversees a staff of more than 1700 professional engineers, architects, and support staff in 12 highway and transportation divisions, the work of more than 600 consultants, an annual structures construction program exceeding $650 million, and the maintenance of more than 12,000 bridges and 5000 other miscellaneous structures.

His current duties also include management of a $4.2 billion bridge seismic retrofit strengthening program for state highway spans.

Roberts is a member of ACI's Reinforced Concrete Research Council and the Joints and Bearings Research Council. A recent inductee into the National Academy of Engineering, Roberts has received numerous awards including the Alfred E. Johnson Award of the American Association of State Highway and Transportation Officials and the "Golden Beaver" Award for Engineering.

Roberts received engineering degrees from the University of California, Berkeley, and the University of Southern California, spent two years on active duty with the U.S. Army Corps of Engineers, and remained on active Army duty for 33 years, retiring with the rank of colonel. He recently chaired a multi-organizational task force which drafted the "Manual for Corrosion Protection of Concrete Bridges," a handbook for bridge managers and owners, published in 1993.

Roberts is the current president of the American Segmental Bridge Institute.

HONORARY MEMBERSHIP

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HONORARY MEMBERSHIP TO

METE A. SOZEN

"for his exceptional contributions to improved design of concrete structures under static and dynamic loadings, and for his nurturing of new generations of leaders in concrete research, education, and design"

Mete A. Sozen is the Kettelhut Distinguished Professor of Structural Engineering at Purdue University, West Lafayette, Ind., and has been a member of the Institute for more than 45 years. He has been at Purdue for four years following nearly 30 years on the engineering faculty of the University of Illinois. The only ACI member in recent years to have been elected to the Board of Direction on two separate occasions, he served three year terms beginning in 1968 and again in 1993.

His previous ACI awards include the Alfred E. Lindau Award in 1993 for "outstanding contributions" to understanding the behavior of structural concrete members and the preparation of design provisions for seismic loading; a Delmar L. Bloem Distinguished Service Award in 1985; and the Joe W. Kelly Award in 1976 for "excellence as a teacher." Other honors include the Reinforced Concrete Research Council's Boase Award and the Raymond C. Reese Award of the American Society of Civil Engineers.

A former chairman of the International Activities Committee and a past member of the Technical Activities Committee, he is a long-time member of Committee 318, Standard Building Code, and a past chairman of its subcommittee on safety and serviceability. Sozen, a Fellow of the Institute, was the Phil M. Ferguson Lecturer at the 1995 fall convention in Montreal, Canada.

Internationally known for his contributions to earthquake hazards reduction practices and policies, he is a fellow of the Earthquake Engineering Research Institute and serves on numerous agencies and committees involved in earthquake engineering and preparedness. A native of Turkey, he received a Bachelor's in engineering from Robert College (now Bogazici University) in Istanbul before moving to the U.S. and attending the University of Illinois where he received Master's and PhD degrees.

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ELECTED FELLOWS

ACI FELLOWS

"A Fellow shall be a person who has made outstanding contributions to the production or use of concrete materials, products, and structures in the areas of education, research, development, design, construction, or management. A Fellow shall have the same rights and privileges as a Member." (see Bylaws, Article II, Section 3.

The Bylaws provide that Fellows are nominated by a Fellows Nominating Committee and elected by the Board. Nominations to the Fellows Nominating Committee for selection may come from the committee, from chapters, from the International Activities committee, or by petition by five current ACI members. The final selection takes into account service to ACI or unusual service in the field of concrete.

The following have been elected Fellows of the American Concrete Institute:

J. Floyd Best

John F. Bonacci

D. Gene Daniel

Rolf Eligehausen

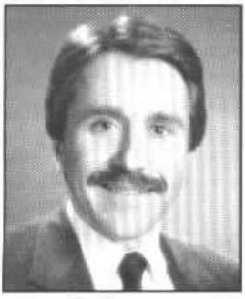
E. A. (Jack) Gale

William Halczak

Harvey H. Haynes

Allen J. Hulshizer

Alfred L. Kaufman



Cary S. Kopczynski

Roberto T. Leon

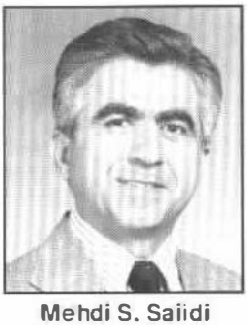
Antonio Nanni

Yoshihiko Ohama

Aimee Pergalsky

William E. Rushing, Jr.

Abdul-Rahim R. Sabouni



Mehdi S. Saiidi

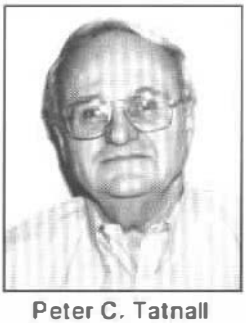
Mary J. Sansalone

Andrew Scanlon

Jorge I. Segura

James M. Shilstone, Jr.

Parviz Soroushian



Peter C. Tatnall

Frank J. Vecchio

Richard E. Wollmershauser

Roger D. Wood

CERTIFICATES OF MEMBERSHIP APPRECIATION

The American Concrete Institute expresses its appreciation to the following Members who have been valued members of the Institute for more than 50 years. *Your support through the years has contributed to the success of ACI.*

William C. Alsmeyer

Robert R. Anderson

I. Leon Glassgold

Arthur M. James

Robert G. Lee

Ignacio Martin

Milton Alpern
George L. Brockway
James D. Caulfield
Jack Christiansen
Abelardo L. Docal
Tadius J. Gutt
John G. Hendrickson, Jr.
Sammy Roy Millhouse
Joseph Penzien

ARTHUR R. ANDERSON AWARD
TO

NATIONAL SCIENCE FOUNDATION CENTER FOR ADVANCED CEMENT-BASED MATERIALS

"for noteworthy research leading to significant contributions to the understanding of cement based materials"

The National Science Foundation Center for Science and Technology of Advanced Cement Based Materials (ACBM), headquartered at Northwestern University, Evanston, Ill., was established in 1989 and was one of the first NSF science and technology centers.

The center is a consortium of four universities and one federal agency: Northwestern University, the University of Illinois, Purdue University, the University of Michigan, and the National Institute for Standards and Technology (NIST). Surendra P. Shah, also the Walter P. Murphy Professor of Civil Engineering at Northwestern, is the ACBM director.

During its ten years of existence, ACBM has developed a strong interdisciplinary team of faculty and students, with expertise ranging from mechanics to chemistry, probing the structure of concrete at both the nanometer and centimeter level. ACBM has 30 faculty members and supports about 30 graduate students and post-doctoral associates through its research programs.

The research philosophy of ACBM is to use a materials science and engineering approach, applying chemistry, microstructural characterization, and mechanics to understand and control concrete properties and behavior. ACBM has fostered new state-of-the-art techniques to the study of concrete and related materials, drawing on experimental approaches used in other disciplines and applied to other materials. The center has cosponsored numerous ACI convention sessions to provide examples of the efficacy of this approach.

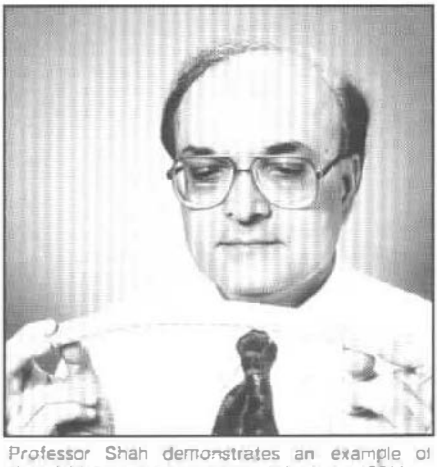
ACBM has made several important contributions to the understanding of the science that underlies concrete performance; these include:

- In-situ, real-time monitoring of progressive degradation of concrete under compressive and tensile stress, and of fiber reinforced composites,
- Improved understanding of how concrete microstructure affects transport properties,
- Development of high performance, extruded fiber composites, and improved fiber geometries for fiber reinforced concrete,
- Improved measurement and analysis of concrete rheology,
- A better understanding of how superplasticizers interact with cement pastes, and
- A digital description of concrete structure by computer simulation which can be used as a tool to explore how concrete properties can be manipulated by control of the structure.

The center has established an on-going relationship with many of the leading companies and small businesses that comprise the cement and concrete industry. Interactions occur through a variety of formats, including the ACBM Industrial Affiliated program and the Small Business Partnership. A representative from each industrial affiliate company serves on the industrial advisory board that provides guidance in agency research. Technology transfer is accomplished with the aid of smaller companies and associations which, as members of the Small Business Partnership, sponsor "technology days" seminars on topical subjects. Presentations include those from ACBM researchers and elsewhere as well as practical field experience by industry experts. Joint academic-industry discussions take place on commercial implications. Collaborative research effectively leverages NSF funding and provides ACBM members with the opportunity for direct interaction with industrial colleagues.

A successful example of this partnership is the product, Eclipse™, a shrinkage-reducing admixture, developed by a team of researchers from W.R. Grace & Co., ARCO, Inc., and ACBM. This product received the CERF Charles Pankow Award for Innovation in 1997.

Members of both the external and internal advisory boards of ACBM are shown here. Left to right: (first row) J. Francis Young, ACBM associate director; Illinois; Richard Spriggs, chairman, external advisory, Alfred University; Surendra P. Shah, ACBM director; Thomas J. Pasko, external advisory, Federal Highway Administration. James Kirkpatrick, Illinois; Dalla Roy, external advisory, Pennsylvania State University. (second row) Antoine Naaman, Michigan; Thomas Mason, Northwestern; Geoffrey Frohnsdorff, NIST; Paul Zia, external advisory, North Carolina State University; Herman Yost, ACBM director of industrial programs. Not pictured: Zdenek Bazant, Northwestern; Sidney Diamond, Purdue; and Will Hanson, Michigan.



Professor Shah demonstrates an example of "bendable" concrete, a research topic at ACBM.

ARTHUR R. ANDERSON AWARD

The Arthur R. Anderson Award was established in 1972 by the Institute in recognition of Arthur R. Anderson, past president of the Institute, for his imaginative and outstanding leadership and insistence on excellence of concrete quality for engineering works.

The award is given for outstanding contributions to the advancement of knowledge of concrete as a construction material and need not be presented each year. All persons, firms, corporations, or organizations are eligible to receive the award.

ROGER H. CORBETTA CONSTRUCTOR AWARD TO

THOMAS D. VERTI

"for his contributions to the integration of precast and in-situ concrete construction techniques in commercial buildings"

Thomas D. Verti is vice president of Charles Pankow Builders, Ltd., Altadena, Calif., and has been with that construction firm for 28 years.

He is a member of the Board of Direction, having been elected in 1997, and also serves on the Educational Activities Committee, Convention Committee, the Responsibility in Concrete Construction Committee, and Committees 303, Architectural Cast-in-Place Concrete, and E 703, Concrete Construction Practices. He is a former member of the Construction Liaison Committee and other committees.

He was general chairman of the local convention committee which hosted last fall's meeting in Los Angeles, Calif., and is a past director of the Southern California chapter. A member of ACI since 1982, Verti holds a Bachelor's degree in architecture and building technology from the University of Washington, Seattle, Wash., and joined the Pankow firm in 1971.

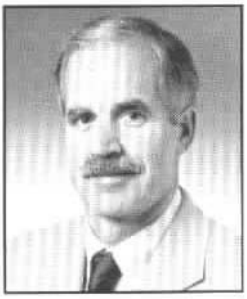
In addition to field experience in concrete construction with Pankow, he has been involved in design, planning, quality control, and construction management of major structures throughout the United States, especially on the West Coast.

In 1998, he and other Pankow officials and employees shared ACI's Henry L. Kennedy Award for their significant role in the design and construction of the Institute's new headquarters building in Farmington Hills, Mich.

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

The Roger H. Corbetta Concrete Constructor Award was established in 1972 in recognition of Roger H. Corbetta, past president of the Institute, for his creative leadership and his many outstanding contributions to the use of concrete for construction.

The award is given to an individual or an organization who, or which, as a constructor, has made significant contributions to progress in methods of concrete construction. The award need not be presented each year.



JOE W. KELLY AWARD TO

JAMES K. WIGHT

"for his consistent and outstanding efforts for the education of students in the behavior and design of reinforced concrete, and for his contributions to the advancement of reinforced concrete design through technical activities of the American Concrete Institute"

James K. Wight, a former member of the Board of Direction and chairman of the Technical Activities Committee, is professor of civil engineering, University of Michigan, Ann Arbor, Mich., and has been on the faculty there for 25 years.

A Fellow of the Institute, he was awarded a Delmar L. Bloem Distinguished Service Award in 1991 for "exceptional technical and administrative leadership abilities."

He is a former chairman and member of Committee 352, Joints and Connections, and also serves on Committees 318, Standard Building Code, and 445, Shear and Torsion; he is a former member of Committee 307, Chimneys, and 368, Earthquake Resistance. A long-time member of ACI's Greater Michigan chapter, he is a former president and board member of that chapter.

Wight was elected to a three-year term on the Board in 1994 and began a similar tenure on the Technical Activities Committee at that same time. He is a former chairman of the American Society of Civil Engineers' Committee on Concrete and Masonry Structures.

Known for his research related to earthquake resistance design, Wight received Bachelors and Master's degrees from Michigan State University and a PhD from the University of Illinois prior to joining the faculty at Michigan.

JOE W. KELLY AWARD

The Joe W. Kelly Award was established in 1974 in recognition of the contributions of Joe W. Kelly, past president of the Institute, to concrete technology, his devotion to teaching, the advancement of his profession, and the use of concrete in construction.

The token of the award (a plaque) is given only for outstanding contributions to education in the broad field of concrete and need not be given each year.

HENRY L. KENNEDY AWARD TO

DANIEL L. BAKER

JAMES R. CAGLEY

NORMAN L. SCOTT

"for significant contributions to the Institute as a member of the ACI Construction Oversight Committee leading to successful completion of the new ACI headquarters building"

Daniel L. Baker is scheduled to assume an ACI vice president's position at the General Session during the Chicago convention. A former member of the Board of Direction, he was nominated for the post last fall and is to begin a two-term at the General Session.

President and chief executive officer of Baker Concrete Construction, Inc., headquartered in Monroe, Ohio, he also chairs the Institute's Certification Programs Committee and the Concrete Research and Education Foundation (ConREF).

In addition, he has served on or is presently serving on the Membership Committee, the Construction Liaison Committee, the Financial Advisory Committee, and the Strategic Planning Oversight Committee. In addition to serving on the Construction Oversight Committee to monitor ACI's new headquarters building design and construction, Baker was also vice chairman of the Project Management Committee that directed the capital campaign for fund raising.

Baker Concrete, a sustaining member of the Institute, recently sponsored the construction of a concrete egg protection device to be used for the annual student competition at ACI's spring conventions.

Baker's honors include the Roger H. Corbetta Concrete Constructor Award in 1993 for "significant and outstanding contributions" to the concrete industry and for his "commitment to quality and excellence."

Now with offices in Texas, Arizona, Florida, and the Bahamas as well as Ohio, Baker is the largest concrete contractor in the United States. The firm was established in 1968 when Dan and his brothers started their own flatwork business, following in the footsteps of their grandfather, Elmer Baker, a western Ohio cement mason.

James R. Cagley, a former member of the Board of Direction, is the president and principal of Cagley & Associates, Inc., consulting engineers of Rockville, Md. He is also president of the Cagley Group which has affiliated offices in Philadelphia, Pa., Princeton, N.J., and Houston, Tex.

A Fellow of ACI, he is the current chairman of Committee 318, Standard Building Code, now in the process of drafting revisions to 318-95 to produce a new edition of the Code. Cagley is also chairman of a committee of the Council of American Structural Engineers (CASE) for developing national practice guidelines and is a former chairman of CASE.

He also serves on an American Society of Civil Engineers Committee 7, involved in recommendations for minimum design loads. Cagley was one of the founders and was the first president of the National Council of Structural Engineers Associations (NCSEA). He serves on the board of the Applied Technology Council which develops national earthquake resistant design criteria.

Prior to moving to the Washington, D.C., area in 1973, Cagley, an architectural engineering graduate of Iowa State University, was associated with consulting firms in Madison, Wis., and Houston, Tex.

Norman L. Scott, a past president and Honorary Member of the Institute, is board chairman of Consulting Engineers Group, Inc., Mt. Prospect, Ill., and has been associated with that firm for 32 years.

ACI's president in 1983, he was accorded Honorary Membership in 1994 for "distinguished service" to the Institute and "contributions to the betterment of the entire concrete industry." He was also presented with the Henry C. Turner Medal the previous year for "many contributions" in precast and prestressed design and "outstanding service" in the formation of ACI's certification and materials research programs.

Scott currently serves on the Innovative Task Group on Moment Frames, the Responsibility in Concrete Construction Committee, and ACI Committee 423, Prestressed Concrete, and is a former member of numerous other committees. He was also active in ACI's Capital Campaign and was chairman of the Central States Region in the effort to raise funds for the new headquarters building.

An engineering graduate of the University of Nebraska, he was executive director of the Prestressed Concrete Institute for several years and also general manager of Wiss, Janney, Elstner Associates, Inc., Northbrook, Ill., prior to the formation of Consulting Engineers Group in 1966.

HENRY L. KENNEDY AWARD

The Henry L. Kennedy Award was established in 1958 by the Institute to honor the late Henry L. Kennedy, an extremely active Institute member who was a past president and, at the time of his death, chairman of the Institute's Building Committee.

The award is given only for outstanding technical or administrative service to the Institute and is not mandatory each year. The basis for selection of awardees is outstanding activity or service that has enhanced the Institute's prestige, marked leadership in technical, administrative, or special committee work or other distinguished service to the Institute.

Except under unusual circumstances, honorary members, past presidents, and current officers and directors will not be considered for this award. The award is in the form of a framed scroll.

ALFRED E. LINDAU AWARD TO

LORING A. WYLLIE, JR.

"for his many contributions to reinforced concrete design practice, particularly relating to seismic resistance, through his work on American Concrete Institute technical committees"

Loring A. Wyllie, Jr., a former member of ACI's Board of Direction, is senior principal and board chairman of Degenkolb Engineers, San Francisco, Calif., and has been with that firm for 35 years.

A Fellow of the Institute, he received the Henry L. Kennedy Award in 1985 for "significant contributions and outstanding services" in the technical activities of ACI.

A former member of the Technical Activities Committee, he is a member of Committee 318, Standard Building Code; Committee 352, Joints in Monolithic Concrete Structures; and is a former chairman of Committee 441, Reinforced Concrete Columns. Wyllie also serves on the Concrete Research Council.

He joined the Degenkolb firm in 1954 and has participated in seismic investigations in Guatemala, Nicaragua, Peru, and Italy as well as the United States. He is a former director of the Structural Engineers Association of California and the Structural Engineers Association of Northern California.

An engineering graduate of the University of California, Berkeley, he was named an associate of Degenkolb in 1957 and was elected a vice president six years later.

ALFRED E. LINDAU AWARD

The Alfred E. Lindau Award was founded in 1947 by the Concrete Reinforcing Steel Institute to honor the memory of Alfred E. Lindau, past president of the American Concrete Institute.

The award shall be given only for outstanding contributions to reinforced concrete design practice and is not mandatory each year. Any and all persons, firms, or corporations are eligible to compete for an receive the award.

The token of the award is a bronze plaque bearing a bas-relief portrait of Mr. Lindau.

HENRY C. TURNER MEDAL TO

H. S. LEW

"for distinguished service to the concrete industry through his contributions to improved performance and safety of structures"

H.S. Lew is senior research engineer, National Institute of Standards and Technology, Gaithersburg, Md., and has been with that federal agency for nearly 30 years.

A former Board of Direction and Technical Activities Committee member, he is currently a member of the TAC Metrication Committee, the TAC High Performance Concrete Committee, the TAC Technology Transfer Committee, and Committees 228, Nondestructive Testing; 318, Standard Building Code; and 347, Formwork.

A Fellow of ACI, he is also a former chairman of the Chapter Activities Committee and served on the Convention Committee and the International Activities Committee.

His honors include the Chapter Activities Award in 1995 for "promotion of ACI chapters worldwide"; the Henry L. Kennedy Award in 1990 for "outstanding leadership activities"; the Wason Medal for Materials Research in 1980 for coauthorship of a paper on strength prediction; and the Wason Medal for Most Meritorious Paper in 1988 for coauthorship of a paper on shoring loads and slab capacity.

A long-time member of ACI's National Capital chapter, he is a former president of that chapter. Lew holds engineering degrees from Washington University in St. Louis, Mo., Lehigh University, and the University of Texas. He was a research engineer at both Lehigh and Texas before joining NIST, then the National Bureau of Standards, in 1968.

HENRY C. TURNER MEDAL

The Henry C. Turner Medal was founded in 1927 by Henry C. Turner, past president, American Concrete Institute. It is awarded for notable achievements in or service to the concrete industry.

In making selections for the Turner Medal the committee is not restricted to members of the Institute nor to the achievements of any particular period. It may be awarded once in any year, but not necessarily in each year.

CHARLES WHITNEY MEDAL FOR ENGINEERING DEVELOPMENT TO

CONSTRUCTION TECHNOLOGY LABORATORIES, INC.

"In recognition of its continuing contributions in the advancement and dissemination of knowledge of concrete technology through its materials and structural research and investigative efforts"

Construction Technology Laboratories, Inc., located in Skokie, Ill., with a branch office in Denver, Colo., is an internationally recognized firm providing engineering and scientific services to the construction and related industries with emphasis on concrete and cement-based materials.

With its origins dating back to the research and development labs of the Portland Cement Association, CTL initially was responsible for the development of much of the fundamental knowledge on cement and concrete technology. In the 1960s, PCA's R&D operations were used to provide services on a contract basis, consisting primarily of applied research on government funded projects. With time, more requests were made for consulting assistance and laboratory services.

This demand continued to grow and, in 1987, CTL was incorporated as an independent subsidiary of PCA. Currently, over 60 percent of CTL's work is in the area of consulting services, with the remainder split about evenly between laboratory services and applied research and development.

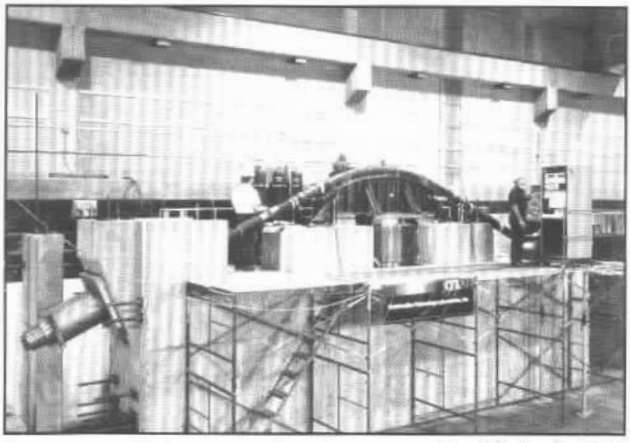
CTL's staff of 130 includes professionals in the fields of civil, structural, and mechanical engineering, as well as geology, chemistry, ceramics, and materials processing. In addition to providing chemical, environmental, and process engineering consulting services to the cement manufacturing industry, these engineers and scientists conduct structural investigations, evaluate design and construction techniques, develop and manage rehabilitation and repair programs, design and install structural monitoring systems, and troubleshoot construction and materials performance problems. Many of such individuals are active ACI members, serving Institute on administrative, technical, and educational committees, as well as other professional organizations.

CTL's 120,000 sq ft complex in Skokie includes 35,000 sq ft of laboratory facilities used for engineering, testing, and research services. Its structural laboratory is one of the largest such independent facilities in the nation, permitting static or dynamic testing of full-scale structural elements and assemblies. The petrographic laboratory includes stereographic, petrographic, and electronic microscopes, allowing materials to be examined at magnifications ranging from 10x to 10,000x. Routine and complex analyses performed in the analytical chemistry labs range from compliance tests to detection of trace materials, such as chemical admixtures in hardened concrete. The concrete and masonry laboratories permit mixes and test specimen to be made, cast, and cured at temperatures ranging from -25 F to 135 F.

Over the years, the CTL labs have been involved in numerous technically challenging projects, many of them of international importance. Just recently, CTL designed and installed a field instrumentation system at Boston's Federal Reserve Bank building to monitor potential movements during construction of the Central Artery Project.

At repairs to the Aswan Dam in Egypt, CTL assisted in developing a high strength concrete (9000 psi) to be placed at temperatures as high as 130 F in draft tubes under the Nile River. CTL worked with the City and County of Denver in investigating alleged deficiencies associated with runways at the new airport in that area. For several years, CTL has been involved in fatigue testing of stay cable assemblies for use in cable-stayed bridges.

John Fraczek, CTL president and an ACI member, is scheduled to accept the award on behalf of the firm.



An axial-flexural fatigue test is shown in progress at the CTL lab. The first ever in the United States, this is a post-tensioned segmental concrete reaction frame for the testing of large diameter bridge stay cables.

CTL is housed on a 22 acre site in Skokie, a suburb of Chicago, Ill.

CHARLES S. WHITNEY MEDAL

The Charles S. Whitney Medal for Engineering Development was founded in 1961 by Ammann and Whitney to honor the memory of Charles S. Whitney. It may be bestowed once in any year, for noteworthy engineering development work in concrete design or construction. The recognition may be extended to a firm or agency alone or to an individual.

Any outstanding engineering development work contributing importantly, through development of general engineering practice or through application in specific noteworthy projects, to the advancement of the sciences or arts of concrete design or construction is eligible.

CEDRIC WILLSON AWARD TO

RICHARD W. KRINER

"for notable contributions to standards development involving the use of lightweight aggregates for concrete masonry units"

Richard W. Kriner, a former member of the Board of Direction, is currently the principal of CEMCON Consulting, Inc., South Haven, Mich. He moved to Michigan in 1985 and established the consulting firm upon retirement from Lehigh Portland Cement Co., Allentown, Pa., after more than 40 years with the firm.

A Fellow of the Institute and former member of the Educational Activities Committee, Kriner is currently serving a two-year term as chairman of ASTM Committee C-9, Concrete and Concrete Aggregates. C-9, one of 130 ASTM standards-writing committees, is involved in developing standards, testing methods, and promoting knowledge for hydraulic-cement concrete and related materials.

An engineering graduate of Michigan State University, he joined Lehigh Portland Cement in 1955 and was a field engineer in various eastern states before his promotion to headquarters as an assistant to the manager of technical services in 1961. He was named manager of technical services in 1969 and promoted to manager, Technical Services and Product Development, in 1984.

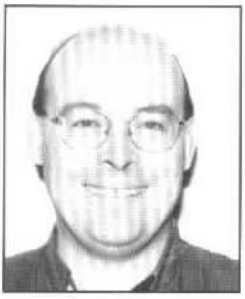
A former chairman of Committee E 701, Construction Materials, he also served on the Concrete Research Council and technical Committees 302, Construction of Floors; 308, Curing; and 124, Aesthetics. He is a former chairman of 308.

Kriner is also a fellow of ASTM and a former chairman of Committee C-1, Cement, and also serves on Committees C-12, Mortars for Unit Masonry, and C-15, Manufactured Masonry Units. He is a life member of the American Society of Civil Engineers and a past member of the board of directors, Expanded Shale, Clay and Slate Institute.

CEDRIC WILLSON AWARD

The Cedric Willson Award was established by the Northeast Texas Chapter and approved by the ACI Board of Direction in 1976 in recognition of Cedric Willson's many contributions in the fields of lightweight aggregate, lightweight concrete, and lightweight concrete masonry. The award is given for outstanding contributions to one or more of these fields. A person, firm, or organization is eligible for the award.

The token of the award is a plaque, and the award need not be given annually.



ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

DAVID B. McDONALD

KELLY M. PAGE

CHETAN R. RAIKAR

"for your contributions to concrete technology, including your technical publications, convention presentations, and service on ACI technical committees"

David B. McDonald is a senior member of the technical staff of USG Corporation, Chicago, Ill., and has been with that firm for one year. He was previously with Wiss, Janney, Elstner Associates, Inc., Northbrook, Ill.

He serves on Committees 209, Creep and Shrinkage; 222, Corrosion; and 308, Curing, and has authored numerous papers on such topics as prestressed and reinforced concrete deformations, lightweight concrete, glass fiber reinforced concrete, coatings for reinforcing bars, and repair materials.

A member of several ASTM and RILEM committees, he joined WJE in 1991 after completing PhD studies at the University of Sydney, Australia. His honors include the Charles Zollman Award of the Precast/Prestressed Concrete Institute for a technical paper on the durability of precast prestressed concrete.

"for your contributions to the education of students in the behavior of concrete, and your organization of student activities"

Kelly M. Page, formerly with the Portland Cement Association and ACI, joined Holnam Cement earlier this year as market manager in the midwest region, concentrating on GranCem. This is a ground granulated blast furnace slag material that replaces a portion of other cement in mixtures.

The contract training coordinator for PCA, she was responsible for all field and in-house training programs. Before joining the association, she was president of her own firm, Concrete Enterprises, Inc., and was previously engineering editor of the Institute's *Concrete International*. An engineering graduate of Marquette University, Milwaukee, she serves on the Educational Activities Committee, is a member of Committee 503, Adhesives, and recently concluded a term as chairman of Committee E 801, Student Activities.

A past president of the Illinois chapter, she serves on the board of directors of the International Concrete Repair Institute and was recently elected president of that organization's Tri-States chapter.

"for your contributions in furthering the advancement of concrete technology in India, and for your many activities in support of the Maharashta India chapter of ACI"

Chetan R. Raikar is the joint managing director of Structwel Designers and Consultants Pvt. Ltd., Nariman Point, Mumba, India, and has been associated with the firm for 12 years.

He is a long-time member of the Maharashtra India chapter and currently serves on the board of that chapter. His father, R.N. Raikar, has been associated with the chapter and the consulting firm for many years.

With Structwel, he has been credited with the establishment of the materials testing laboratory, created in 1986 in New Bombay, now recognized as one of the most modern in India. The laboratory is organized to conduct more than 300 different tests on about 30 different building materials by using Indian, American, or British standards.

A graduate engineer, Raikar has displayed a special interest in quality control and assurance, project management skills, and materials testing at the consulting firm. He has served as a frequent lecturer at chapter seminars and has been involved in the chapter's concrete cube competition.

YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

ACI's newest honor, these awards were authorized by the Board of Direction in 1997, "for the purposed of recognizing the contributions of younger members of the Institute for professional achievement." Those selected must be Institute members, 35 years of age or less at the time of the nomination. The awards are being presented for the first time at this convention.

WASON MEDAL FOR MATERIALS RESEARCH TO






PING GU
SANDRA ELLIOTT
ROUMIANNA HRISTOVA

RÉJEAN BROUSSEAU
JAMES J. BEAUDOIN
BRUCE BALDOCK

"for their paper ("A Study of Corrosion Inhibitor Performance in Chloride Contaminated Concrete by Electrochemical Impedance Spectroscopy," published in the *ACI Materials Journal*, September-October 1997) *examining the long-term performance of concrete containing chlorides and chloride-inhabiting admixtures"*

Ping Gu is a research officer, National Research Council, Institute for Research in Construction (IRC/NRC), Ottawa, Canada.

He is a member of Committee 222, Corrosion of Metals in Concrete, and has been extensively involved in studies of alternative reinforcing materials for concrete structures and corrosion inhibiting admixtures. He is the co-inventor of a conductive concrete system and has authored more than 70 technical papers.

Sandra Elliott was a student in the Department of Chemical Engineering, Ryerson Polytechnic University, at the time of the (IRC/NRC) research.

She is now enrolled at the University of Toronto, seeking a Master's degree.

Roumianna Hristova (deceased) was a PhD candidate in the Department of Civil Engineering, Ottawa University, at the time of the research and at her death in September 1998.

She had previously received a Master's degree at Ottawa and a Bachelor's in engineering from the University of Brno, Czechoslovakia.

James J. Beaudoin is a principal research officer in the Materials Laboratory at IRC/NRC and has been with that agency for 27 years.

He is a member of Committee 209, Creep and Shrinkage of Concrete, and has authored more than 250 papers and two books on concrete materials.

Réjean Brousseau was a research officer at IRC/NRC when the paper was written and is now business development manager for Corrpro Canada, Inc.

He is also a member of the National Association of Corrosion Engineers and the Pipeline Research Committee.

Bruce Baldock is technical officer for IRC/NRC and has been with that agency for seven years. He is also a member of the Ontario Association of Certified Engineering.

WASON MEDAL FOR MATERIALS RESEARCH

The Wason Medal for Materials Research was founded in 1971 by Leonard C. Wason, past president, American Concrete Institute. It may be bestowed once in any year, but not necessarily in each year, on the member or members of the Institute reporting in a paper before the Institute, within the year noteworthy original research work or discovery relating to materials.

Any report of original research work on concrete materials and their uses, or a discovery which advances the state of knowledge of materials used in the concrete industry, is eligible for the Wason Medal for Materials Research. When awarded, it is bestowed for the research discovery judged worthy of special commendation. It is restricted to members of the Institute, but if a paper of multiple authorship has one author an ACI member, all coauthors become eligible for the award.

Prior to the awards for 1971, this medal was awarded to research papers dealing with any phase of Institute interests. The medal is bronze.

WASON MEDAL FOR MOST MERITORIOUS PAPER TO

HISHAM H.H. IBRAHIM

JAMES G. MacGREGOR

"for their paper ("Modification of the ACI Rectangular Stress Block for High-Strength Concrete," published in the *ACI Structural Journal*, January-February 1997) *which evaluates the use of compression stress blocks in concrete codes for high-strength and ultra high-strength concretes"*

Hisham H.H. Ibrahim is a design engineer at Buckland & Taylor, Ltd., Vancouver, British Columbia, consulting engineering firm specializing in bridge design, and has been with the firm for five years.

He holds a PhD in engineering from the University of Alberta, Canada, where he studied under the supervision of Professor James G. MacGregor for the Canadian Network of Centres of Excellence on High Performance Concrete, now known as Concrete Canada.
An engineering graduate of Cairo University, Egypt, he has been a lecturer on concrete and structural analysis at Helwan University.

James G. MacGregor, a past president of the Institute, is professor emeritus at the University of Alberta, Canada, where he had been a faculty member since 1960.

A former member of the Technical Activities Committee and several technical committees, including 318, Standard Building Code, MacGregor is a former chairman of the Engineering Department at Alberta. He is also a former chairman of Committees 441, Reinforced Concrete Columns, and 445, Shear and Torsion, and of 318's subcommittee on flexure and axial loads and shear.

His honors include ACI's Joe W. Kelly Award in 1986 for "erudite research and teaching of student and practitioner," the ACI and ASCE Reese Awards, the Boase Award of the Reinforcing Concrete Research Council, ACI's Wason Medal for Most Meritorious Paper, and ASCE's Norman Medal. He has also been extensively involved in code development activities in Canada and for several years chaired the reinforced concrete code committee for the National Building Code of that nation.

MacGregor, a Fellow of ACI and the Phil M. Ferguson Lecturer at the 1988 fall convention, has authored numerous technical publications, many of them concerning shear strength and safety of reinforced concrete. His textbook, "Reinforced Concrete – Mechanics and Design," was recently published in a third edition and is widely used in university classrooms in the United States and Canada. He received his Bachelor's at Alberta and his Masters and PhD at the University of Illinois before returning to Edmonton to join the faculty there.

WASON MEDAL FOR MOST MERITORIOUS PAPER

The Wason Medal for The Most Meritorious Paper was founded in 1917 by Leonard C. Wason, past president, American Concrete Institute and has been awarded continuously since that date. It is awarded each year to the author or authors of the most meritorious paper published by the Institute.

All original papers presented to the Institute by members (or if coauthored at least one author must be an ACI member) and published by the Institute during the volume year for which the medal is awarded are eligible, provided such papers have not previously been published. The medal is bronze.

ACI CONSTRUCTION PRACTICE AWARD TO

P. KUMAR MEHTA

"for his paper ("Durability–Critical Issues for the Future," published in Concrete International, July 1997) which provides a critical examination of the technological alternatives available to us for building durable concrete structures in the future and the next millennium"

P. Kumar Mehta is professor emeritus of civil engineering at the University of California, Berkeley, Calif., retiring recently after 36 years on the faculty there.

A Fellow of the Institute, he is internationally recognized for his research on and authorship of papers on superplasticizers and silica fume, fly ash, rice, and other admixtures for concrete. In 1988, he received the Wason Medal for Materials Research for authorship of an *ACI Journal* paper about sulfate resistance of concrete mixtures containing fly ash.

A member of ASTM, RILEM, and other organizations, he joined the Berkeley faculty after receiving a chemical engineering degree from Delhi University in India, a ceramic engineering degree from North Carolina State University, and a PhD in material science and engineering at UC.

ACI CONSTRUCTION PRACTICE AWARD

The ACI Construction Practice Award was founded in 1944 by the Institute, in the hope that it would help to enrich the literature of that field of work and to honor the construction man — the man whose resourcefulness comes in between the paper conception and the solid fact of a completed structure. It may be given annually, but not necessarily in each year, for a paper of outstanding merit on concrete construction practice published by the American Concrete Institute. It is not restricted to members of the Institute. The token of the award is a plaque of bronze.

ACI STRUCTURAL RESEARCH AWARD TO

SHAMIM A. SHEIKH

SHAFIK S. KHOURY

"for their paper ("A Performance-Based Approach for the Design of Confining Steel in Tied Columns," published in the *ACI Structural Journal*, July-August 1997) *which presents a new, unified design approach for column ties which satisfies a desired level of column ductility and which accounts for both steel configuration and axial load levels"*

Shamim A. Sheikh is professor of civil engineering, University of Toronto, Ontario, Canada, and has been on the faculty there for 10 years.

He is the current chairman of ACI-ASCE Committee 441, Columns, and a member of ACI-ASCE 442, Lateral Forces. Sheikh is a former member of Committee 368, Earthquake Resisting Concrete Elements and Systems. His research interests include confinement of concrete and seismic resistance of reinforced concrete.

Shafik S. Khoury is assistant professor, Structural Engineering Department, Alexandria University, Alexandria, Egypt.

He received his PhD from the University of Houston, Texas, in 1991, and has specialized in research on reinforced columns.

ACI STRUCTURAL RESEARCH AWARD

The ACI Structural Research Award Medal is awarded not necessarily annually but at least biennially to the author or authors of a paper published by the Institute in the period subsequent to the last award that describes a notable achievement in research related to structural engineering and which indicates how the research can be used.

ACI STRUCTURAL ENGINEERING AWARD TO

MICHAEL P. COLLINS

FRANK J. VECCHIO

ROBERT G. SELBY

PAWAN R. GUPTA

"for the clarity of their analysis (in "The Failure of an Offshore Platform," *Concrete International*, August 1997) *of the failure of an element in a complex structure and for their prescriptions to prevent future similar failures"*

Michael P. Collins, a former member of the Board of Direction, is the Bahen-Tanenbaum Professor of Civil Engineering, Department of Engineering, University of Toronto, Canada, and has been on the faculty there for 27 years.

He received this same honor a year ago at the Houston, Tex., convention for an *ACI Structural Journal* paper describing a unified method for shear design. That paper was coauthored with Frank J. Vecchio, also of the University of Toronto; Denis Mitchell, McGill University; and Perry Adebar, University of British Columbia.

A Fellow of ACI, Collins is a member or a former member of numerous Institute technical committees, including both the Technical Activities Committee and the Educational Activities Committee. He is a past chairman of Committee 445, Shear and Torsion.

His other ACI honors include the Joe W. Kelly Award in 1994 for "outstanding contributions" as an educator; the Wason Medal for Most Meritorious Paper in 1991 for a paper about shear capacity of reinforced concrete members; and the Structural Research Award in 1976 for a paper on pure torsion. He was also the final Phil M. Ferguson Lecturer at the 1997 fall convention in Atlanta, Ga.

Educated in New Zealand and Australia, he was on the faculty at the University of Colorado before moving to Toronto in 1969.

Frank J. Vecchio, an ACI member for more than 20 years, is professor, University of Toronto, Ontario, Canada, and has been on the faculty there for 13 years.

He received this same award at the Houston, Tex., convention a year ago for an *ACI Structural Journal* paper about a unified method of shear design. This *Journal* paper was coauthored with Michael P. Collins, Denis Mitchell of McGill University, and Perry Adebar, of the University of British Columbia. Also at the Chicago convention, he is one of 26 scheduled to be recognized for his election to the position of Fellow.

He is a member of Committees 441, Reinforced Concrete Columns, and 447, Finite Element Analysis, and a former member of Committee 435, Deflections. Vecchio, who holds three engineering degrees from the University of Toronto, was a design engineer with a Toronto consulting firm, then a research engineer with Ontario Hydro before joining the faculty in 1985.

Robert G. Selby is a principal of Morrison Hershfield, Ltd., consulting engineers with offices in Burnaby, British Columbia, and five other Canadian and U.S. cities.
He formerly was at the firm's Toronto offices and attended the University of Toronto where he received his PhD. in 1993. He received his Bachelor's from the University of Alberta in 1988.

Pawan R. Gupta is a project engineer and research fellow with Halsall Associates, Ltd., consultants based in Toronto and with offices in three other Canadian cities.
At the time of the research, he was a PhD candidate at the University of Toronto.

ACI STRUCTURAL ENGINEERING AWARD

The ACI Structural Engineering Award is given for an outstanding concrete building project incorporating advanced structural design concepts, advanced structural design techniques, or both, described in a paper published by the Institute. The project must be completed, but not more than three years prior to the award. The award need not be presented each year. Recipients are given a certificate citing the awardee and the project.

DELMAR L. BLOEM AWARDS FOR DISTINGUISHED SERVICE TO

MICHAEL J. BOYLE

CHARLES W. DOLAN

PETER MENDIS

ANTONIO NANNI

"for his effective leadership of Committee 211, Proportioning Concrete Mixtures, leading to timely publication of key Institute documents on proportioning concrete mixtures"

Michael J. Boyle is vice president of the Inspection and Testing Division, Valley Forge Laboratories, Inc., Devon, Pa., and has been with that firm for 26 years.

A Fellow of ACI, he currently serves as chairman of Committee 211 and is a member of Committees 213, Lightweight Concrete; 223, Shrinkage-Compensating Cement; and the Convention Committee's Hot Topic Committee. He is a former member of the Convention Committee.

Boyle has been extensively involved in the activities of ACI's Delaware Valley chapter and is a former president and secretary-treasurer of the chapter. He was the chapter's committee chairman for the 1990 fall convention in Philadelphia, Pa.

Boyle was a research chemist for the Franklin Institute before joining Valley Forge Laboratories.

"for his leadership of Committee 423, Prestressed Concrete, producing ACI 423.3R-96, 'Recommendations for Concrete Members Prestressed with Unbonded Tendons,' and for service as chairman of Committee 358, Concrete Guideways, and for serving as a member of other ACI committees, including the Technical Activities Committee"

Charles W. Dolan is professor of civil and architectural engineering at the University of Wyoming, Laramie, Wyo., and is scheduled to begin a three-year term on the Board of Direction at the Chicago convention.

He has been at Wyoming for two years, having previously been on the faculty at the University of Delaware. An ACI member since 1967 and a Fellow, he is a member of the Technical Activities Committee and chairs TAC's Specifications Committee. He is a former chairman of Committee 358, Concrete Guideways, and 423, Prestressed Concrete, and is a member of Committees 365, Service Life Prediction, and 440, FRP Reinforcement.

After receiving a Bachelor's in engineering from the University of Massachusetts and a Master's from Cornell University, Dolan joined the consulting firm of ABAM Engineers, Inc., Federal Way, Wash. In his 21 years with the engineering firm, he specialized in the design of guideways and transit structures and was involved in such major projects as the Walt Disney

Monorail in Orlando, Fla., the guideway at Dallas/Fort Worth Airport, and the People Mover in downtown Detroit, Mich. Also with ABAM, he was vice president of marketing and then president of ABAM Limited, the firm's Canadian subsidiary. He left the consulting firm to return to Cornell where he received his PhD in 1989, followed by two years on the faculty at Delaware.

Dolan is chairman of the Fourth International Symposium on FRP, scheduled to be held during ACI's Baltimore, Md., convention, October 31-November 5, 1999.

"for his service as chairman of Committee 503, Adhesives for Concrete, and of Subcommittee 548B, leading to publication of numerous documents relating to the use of epoxy adhesives and polymer concrete overlays"

Peter Mendis was involved in the applications of polymer concrete in the construction industry for more than 30 years prior to his recent retirement.

He was formerly with Polymer Construction Specialties, Port Jefferson, N.Y., and other firms including Dural International Corp., Deer Park N.Y. Mendis was vice president and technical director of Dural, a leading producer of polymers and adhesives, for many years.

In addition to serving on Committees 503 and 548, he is also a member of 504, Joint Sealants and Systems. He holds a Master's in chemical engineering from National Polytechnic Institute, Athens, Greece, and completed further graduate studies in polymer chemistry at Brooklyn Polytechnic Institute and New York University.

"for his outstanding leadership in the organization and effective management of Committee 440, Fiber Reinforced Polymer Reinforcement, and for overseeing timely publication of ACI 440R-96, 'State-of-the-Art Report on Fiber Reinforced Plastic (FRP) Reinforcement for Concrete Structures'"

Antonio Nanni is the V. & M. Jones Professor of Engineering, University of Missouri, Rolla, Mo., and has been on the faculty there for two years after previous teaching service at Pennsylvania State University and the University of Miami, Fla.

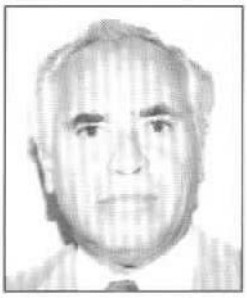
He is a member of the Concrete Research Council and Committees 437, Strength Evaluation; 440, Fiber Reinforced Polymer Reinforcement; 530, Masonry Standards; 544, Fiber Reinforced Concrete; and 549, Thin Reinforced Concrete Products, and is a former member of Committee 325, Concrete Pavements. He was a founding member and first chairman of Committee 440 and currently serves as a cochairman of its subcommittee on reinforced concrete.

He chaired the first International symposium organized by ACI on fiber reinforced plastic reinforcement held in Vancouver, British Columbia, in 1993 and coauthored the first textbook on that same subject. Nanni holds engineering degrees from the University of Bologna, Italy; the University of Witwatersrand, Johannesburg, South Africa; and the University of Miami, Fla., and joined the faculty at the latter in 1985 before moving to Penn State in 1988. He recently was a consultant in the design and load testing of the two largest U.S. strengthening projects using externally bonded FRP composites.

Also at the Chicago convention, Nanni is scheduled to be among the 26 Institute members honored as new Fellows of ACI.

DELMAR L. BLOEM DISTINGUISHED SERVICE AWARD

The Institute established a Distinguished Service Award in 1969 to recognize noteworthy work on ACI technical committees. The name of the award was changed to the Delmar Bloem because he had demonstrated, over a period of many years, the characteristics and dedication required for the award. The award is given to a current (or recent) chairman of a technical committee, or under special circumstances, to deserving individuals other than committee chairmen, in recognition of outstanding performance.



CHAPTER ACTIVITIES AWARD TO

LORENZO FLORES-CASTRO

"for his outstanding service in promoting and developing the Central & Southern Mexico chapter into one of ACI's most prestigious chapters and for his contribution to international chapter activities"

Lorenzo Flores-Castro is a long-time member of ACI's Central and Southern Mexico chapter and is a past president of that chapter.

Now the principal of a consulting firm specializing in services to the concrete industry in Mexico, he has also been active in the chapter's certification program.

He currently serves as an instructor and examiner for chapter-sponsored certification programs offered in the Spanish language.

CHAPTER ACTIVITIES AWARD

The Chapter Activities Award was founded in 1975 to recognize outstanding service in the promotion and development of a chapter or chapters by a member of the American Concrete Institute. Nominations are made by the Chapter Activities Committee, and recommendations are approved by the Board.

The token of this award is a plaque. The award need not be presented each year.

CHAPTER AWARDS
CITATIONS OF EXCELLENCE

These awards are given to those Chapters that have achieved excellence in chapter activities and have made significant contributions to ACI activities.

Consideration is given in areas of education and certification activities; membership; meetings; local chapter award programs; public relations; newsletters; convention participation; student scholarships and/or Sponsor a Student program.

EXCELLENT CHAPTERS

To be announced at the Awards Breakfast.

OUTSTANDING CHAPTERS

To be announced at the Awards Breakfast

CONCRETE RESEARCH COUNCIL ROBERT E. PHILLEO AWARD TO

RICHARD D. GAYNOR

"In recognition for outstanding contributions to the advancement of concrete technology by providing high quality research causing the results to be stipulated in industry standards and to be implemented into concrete construction documents"

Richard D. Gaynor, an Honorary Member of the Institute, is the retired executive vice president of the National Aggregates Association and the National Ready Mixed Concrete Association, Silver Springs, Md., and has been involved in ACI activities for more than 40 years.

Now a consultant with offices in Silver Spring, he was with the two associations for 42 years prior to retirement in 1996. He was accorded ACI Honorary Membership in 1997 for his "leadership" with the two associations and "enduring contributions of his knowledge and experience" to the Institute.

A former Board of Direction and Technical Activities Committee member, Gaynor's other previous honors include the Henry L. Kennedy Award in 1994 for "untiring services" to ACI and its committees and the Arthur R. Anderson Award in 1978 for "contributions" to the understanding of the relationship between aggregate properties and concrete properties.

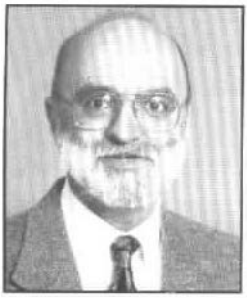
He has served on numerous technical committees, including Committee 316, Standard Building Code, of which he was a member for more than 20 years. Gaynor was also a long-time member of ASTM, the Transportation Research Board, and other organizations.

A native of Mobile, Ala., he joined NRMCA/NAA in 1954 after receiving engineering degrees from Alabama and Maryland universities. He became director of engineering in 1971, vice president of engineering and research in 1975, and then executive vice president in 1984.

THE ROBERT E. PHILLEO AWARD

The Robert E. Philleo Award of the Concrete Research Council, American Concrete Institute, established in 1992, is given in recognition of a person, persons, or an organization for outstanding research in the concrete materials field, or for outstanding research in the concrete materials field, or for outstanding contributions to the advancement of concrete technology through application of the results of concrete materials research. The award is a plaque suitably inscribed with the name of the recipient and the citation.

It is given in memory of an Institute past president and Honorary Member who was also chairman of the Concrete Materials Research Council, now the Concrete Research Council.



REINFORCED CONCRETE RESEARCH COUNCIL ARTHUR J. BOASE AWARD TO

ANTHONY E. FIORATO

"In recognition of his outstanding activities and achievements that exemplify the objectives of the Reinforced Concrete Research Council by advancing the knowledge and practice in the field of structural engineering"

Anthony E. Fiorato, is vice president of research and technical services for the Portland Cement Association and has been on the staff there since 1973.

A Fellow of the Institute, he is the current chairman of the Financial Advisory Committee and is a trustee of the Concrete Research and Education Foundation (ConREF). He is a member of the Strategic Development Council. (SDC). He also serves on the Reinforced Concrete Research Council.

In 1997, he was presented with the Henry C. Turner Award for "contributions to concrete technology" by his innovations in concrete design procedures for seismic and high performance applications and his "dedicated service" on administrative and technical committees.

A former member of the Board of Direction, Educational Activities Committee and past chairman of Committee 532, Concrete Masonry, Fiorato oversees PCA's program of support to the concrete construction industry by providing technical data on cement chemistry, concrete and masonry materials, environmental and waste management technology, structural engineering, transportation systems, and related fields. He has authored 56 publications on concrete technology, high strength concrete, lightweight concrete, fire and thermal performance of concrete, and structural applications of concrete.

Fiorato is a member of ASTM and serves on that society's C-9 and C-1 committees on concrete and cement.

Fiorato, who holds an undergraduate degree in civil engineering from Drexel University, Philadelphia, and graduate degrees from the University of Illinois, has held a number of management positions with PCA and its subsidiary, Construction Technology Laboratories. He was named to his current post in 1989.

ARTHUR J. BOASE AWARD

The Arthur J. Boase Award, presented by the Reinforced Concrete Research Council, was first awarded in 1971 in recognition for outstanding activities and achievements in the reinforced concrete field.

The award consists of a certificate suitably inscribed with the name of the recipient and circumstances of the award.

PORTLAND CEMENT ASSOCIATION CONCRETE BRIDGE AWARDS

The Portland Cement Association has recognized nine winners in its Sixth Biennial Bridge Awards Competition for excellence in design and construction of concrete spans.

The bridges, essentially completed between October 1996 and October 1998, included a variety of structural types and construction methods. There were 93 entries from Canada and the United States in this competition, first held in 1988.

Those involved in the winning entries are to receive honors at the American Concrete Institute's Awards Breakfast to be held during the March 1999 convention in Chicago, Ill. The honors are given without regard to ranking or category.

The three judges for this competition were: David H. Densore, chief of the bridge division, Federal Highway Administration; R. Scott Christie, chief bridge engineer, Pennsylvania Department of Transportation; and Robert F. Mast, senior principal, BERGER/ABAM Engineers, Inc., Federal Way, Wash.

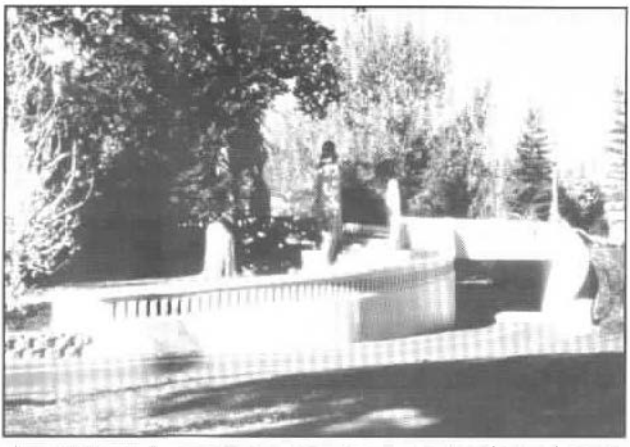
Judging was based on engineering innovation, economy, and environmental treatment. All types of spans – highway, railway, pedestrian, and transit -- were eligible for consideration. The nine winners were:

Admiral Clarey Bridge, Honolulu, Hawaii
This is a 930 ft (283.5 m) floating concrete pontoon, consisting of three precast sections, each 310 ft (94.5 m) long and weighing 5,500 tons (5,000 tonnes). The individual sections were launched by controlled sinking of the carrying barges and then post-tensioned together. The need for durability in a salt water environment resulted in the use of high performance concrete and a new, tougher type of epoxy for the reinforcing steel.

Jury comments: "An exceptional engineering feat... movable floating span, attention to long-term durability...make it unique among drawbridges around the world."

Capitol Boulevard Tunnel over Boise River Greenbelt, Boise, Idaho

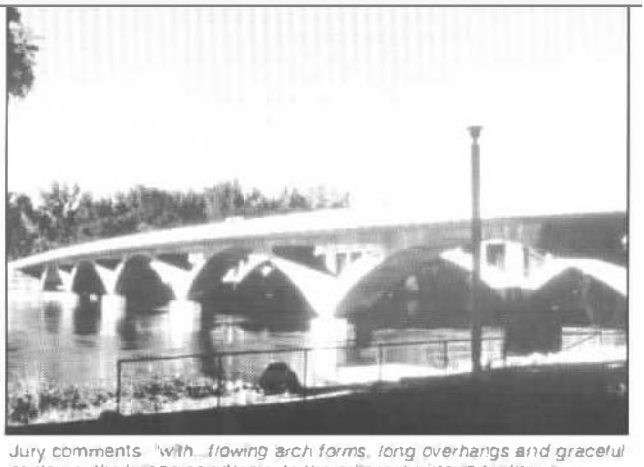
This 15 ft wide (4.6 m), 9 ft high (2.7 m), and about 100 ft long (30.5 m) bridge is located in the heart of downtown Boise and is surrounded by architecturally detailed and historically significant structures. The contractor chose a cast-in-place concrete alternative for special architectural treatments and cost effectiveness.



Jury comments: "... a creative and cost-effective design of a small, simple structure to meet the needs of the surrounding environment."

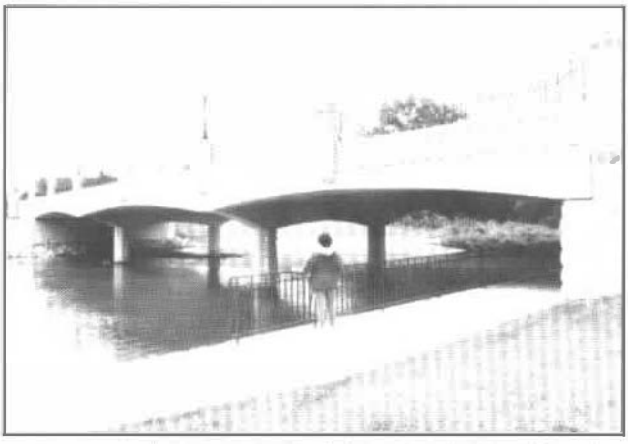
Lake Redding Bridge, Redding, Calif.

The five span arch bridge was designed to minimize its bulk and intrusion on an adjacent historic bridge constructed in 1915. This cast-in-place concrete structure with 14 ft long (4.3 m) deck overhangs is post-tensioned. Careful attention was paid to the structural, architectural, and lighting details that highlight the differences between the designs of the new and old spans.



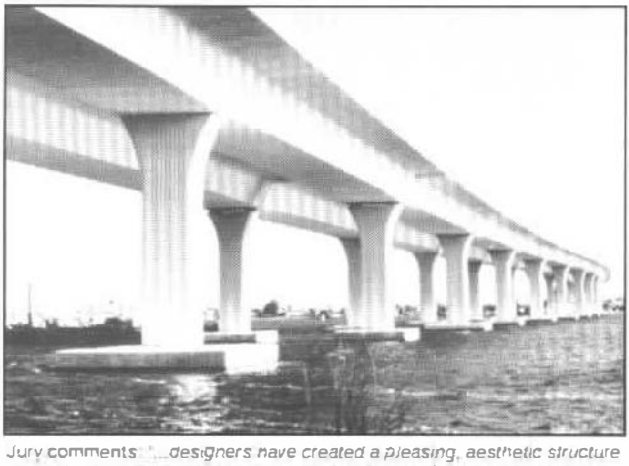
Jury comments: "with ...flowing arch forms, long overhangs and graceful contours, the bridge complements the adjacent historic bridge..."

Mantorville Bridge, Mantorville, Minn.
Concrete, with its flexibility to accommodate special features, was the material of choice for this bridge located in the National Historic District town of Mantorville. Architectural treatments included form liners to replicate limestone block masonry, sawtooth pattern on the concrete railing parapets, and large concrete columns topped with precast concrete capitals.



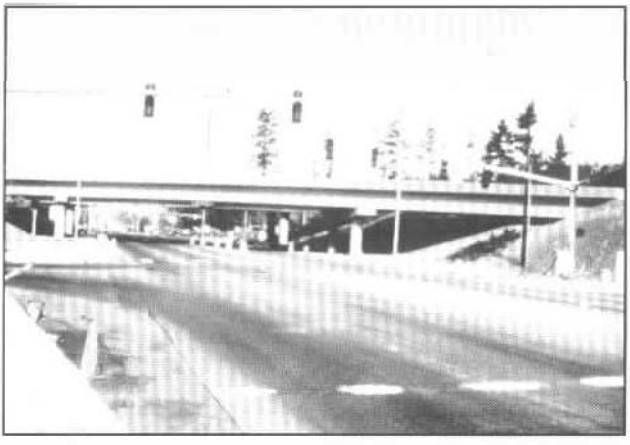
Jury comments: "...a successful blend of classical detailing with modern construction...carefully developed aesthetic treatments blend in with the natural historic district of the area. Special rail treatment, use of form liners to create limestone look, and the unique feature of setback piers...add to the graceful lines of the structure."

Roosevelt Bridge, Stuart, Fla.
This bridge is actually twin structures 4,566 ft (1,392 m) long with spans ranging from 196 to 260 ft (60 to 79 m). Of precast single cell concrete box construction, each segment is typically 61 ft (18.6 m) wide, 11 ft (3.35 m) deep, and weighs 70 tons (63.5 tonnes). The superstructure has a cast-in-place section over the pier, providing a fixed monolithic connection between the deck and the columns. This helped to distribute the 2,000 kip (8.9 MN) vessel impact load.



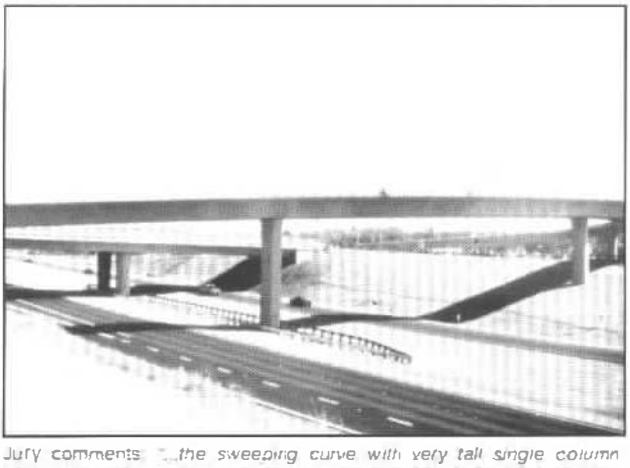
Jury comments: "...designers have created a pleasing, aesthetic structure while dealing with a multitude of technical issues. Instantly appealing are piers featuring vertical striations...a very attractive bridge."

SR18/SR516 Interchange, Covington, Wash.
This is a bridge with three 80 ft (24.4 m) spans over a main thoroughfare. Site constraints and speed of construction dictated use of prestressed concrete girders. This was one of the Federal Highway Administration's demonstration projects incorporating high performance concrete in bridge structures.



Jury comments: "...shows how the AASHTO Strategic Highway Research Program can result in economies in traditional structure types...designers have achieved enhanced durability while realizing cost savings."

State Route 50/Prairie City Road Interchange, Folsom, Calif.
This is a continuous 1,345 ft (410 m) cast-in-place concrete frame composed of eight spans including six interior spans of 177 ft (54 m) each. The single cell box girders are supported by single column bents of 7 ft (2.1 m) octagonal columns atop 8 ft (2.4 m) diameter piles. Two cast-in-place prestressed concrete frames are linked together with a reinforced concrete closure span to create the 1,345 ft (410 m) continuous structure.

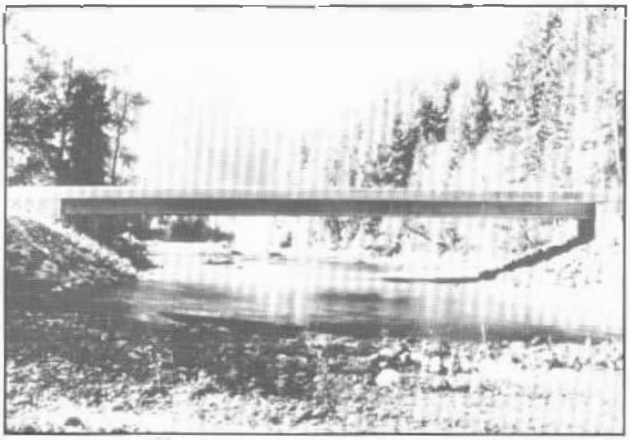


Jury comments: "...the sweeping curve with very tall single column piers...gives this structure an elegant appearance. By eliminating expansion joints, the designers have improved seismic performance and reduced potential problems associated with joints during earthquakes."

State Route 50 over Happy Hollow Creek, Hickman County, Tenn.
At a total length of 1,175 ft (358 m), this is the longest totally jointless, integral abutment bridge in the United States. The fully continuous structure is composed of nine precast, prestressed bulb T-beams with spans ranging from 127 to 138 ft (38.8 to 42.2 m). The two column pier bents vary in height from 51 to 91 ft (15.5 to 27.7 m). There are no expansion bearings. Thermal expansion and contraction for this curved structure is accommodated solely through translation of its supporting piers and abutments.

Jury comments: "...curved alignment and slender piers give the structure a remarkable appearance in the setting in which it is located. By eliminating both bearings and joints for this integral abutment bridge, designers have demonstrated how standard components can be used in a creative way..."

Tom Music Bridge, near Mount St. Helens, Wash.
This bridge is an essential link providing the only year-round access to a remote community of 100 people. The 165 ft (50.3 m) single-span structure consists of six precast, prestressed concrete decked bulb tees. Each integral, full-depth deck is 5 ft (1.5 m) wide. Due to lack of any alternative winter access route to the community and to provide immediate access for medical and other emergencies, the entire project, from design to construction, was completed in nine months.



Jury comments: "The simplest way to construct a bridge is with full length precast stringers that are made in one piece. With the 165 ft (50.3 m) span, engineers have raised the bar for the span length used by bulb tees...a remarkable achievement."

Project Principals

Admiral Clarey Bridge – Pacific Division, Naval Facilities Engineering Command, owner; Parsons Brinckerhoff Quade & Douglas, Inc., engineer and architect; Dillingham-Manson Joint Venture, contractor; Ameron Hawaii, concrete supplier; and Concrete Technology Corp., precaster.

Capitol Boulevard Tunnel – City of Boise Parks Department and Idaho Transportation Department, owners; W&H Pacific, Inc., engineer; Richard L. Jordan Construction, contractor; and Treasure Valley Concrete, concrete supplier.

Lake Redding Bridge – City of Redding, owner; Martin & Kane, Inc., engineer; MacDonald Architects, architect; MCM Construction, contractor; and Matnews Ready Mix, concrete supplier.

Mantorville Bridge – Minnesota Department of Transportation, owner and engineer; Park Construction Co., contractor; Rochester Ready Mix, concrete supplier; and Northern Precast, precaster.

Roosevelt Bridge – Florida Department of Transportation, owner; LoBuono, Armstrong & Associates, a division of Frederic R. Harris, Inc., Figg Construction Services, Inc., and Finley McNarry Engineers, Inc., engineers; Recchi America, Inc., contractor; Rinker Materials Corp., concrete supplier; and Recchi America, Inc., and Hardaway Co., precasters.

SR18/SR 516 Interchange – Washington State Department of Transportation, owner and engineer; Mowat Construction, architect; Lone Star Northwest, contractor; Lone Star Northwest, concrete supplier; and Central Premix, Spokane, Wash., precaster.

State Route 50/Prairie City Road – Caltrans, owner, engineer, and architect; Granite Construction and C.C. Meyers, Inc., contractors; and RMC Lonestar, concrete supplier.

Happy Hollow Creek – Tennessee Department of Transportation, owner; Division of Structures, Tennessee Department of Transportation, engineer; McKinnon Bridge Co., contractor; Williamson County Concrete, concrete supplier; Gary Concrete Products, Inc., and CPI, Inc., precasters.

Tom Music Bridge – U.S. Department of Agriculture, Forest Service, owner; Structures Group Region 6, USFA, and Exeltech, engineers; One Way Construction, contractor; and Concrete Technology Corp., precaster.

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