SEAOI 50th Anniversary

50 Significant Structures in 50 Years

Annual Awards Dinner
June 6th, 2015
DEWITT CHESTNUT APARTMENTS
Completed: 1965
Chicago, IL
DALEY CENTER AND PICASSO STATUE
Completed: 1967
Chicago, IL
50 SIGNIFICANT STRUCTURES IN 50 YEARS

JOHN HANCOCK CENTER
Completed: 1970
Chicago, IL
50 SIGNIFICANT STRUCTURES IN 50 YEARS

WILLIS TOWER (SEARS TOWER)
Completed: 1974
Chicago, IL
INTERSTATE
ROUTE 57
BRIDGE OVER
MISSISSIPPI
RIVER
Completed: 1979
Cairo, IL
HAJJ TERMINAL
Completed: 1981
Jeddah, Saudi Arabia
333 WEST WACKER BUILDING
Completed: 1982
Chicago, IL
CLINTON MARK III CONTAINMENT STRUCTURE
Completed: 1983
Clinton, IL
50 SIGNIFICANT STRUCTURES IN 50 YEARS

COLUMBUS DRIVE BASCULE BRIDGE OVER THE CHICAGO RIVER
Completed: 1983
Chicago, IL
50 Significant Structures in 50 Years

Interstate Route 255 Bridge Over Mississippi

Completed: 1985
Jefferson Barracks, MO
50 SIGNIFICANT STRUCTURES IN 50 YEARS

ONTARIO CENTER
Completed: 1986
Chicago, IL
MCCORMICK PLACE, PHASE 2
EXPOSITION CENTER
Completed: 1986
Chicago, IL
BANK OF CHINA BUILDING
Completed: 1989
Hong Kong, China
50 SIGNIFICANT STRUCTURES IN 50 YEARS

900 N MICHIGAN AVENUE
Completed: 1989
Chicago, IL
EXCHANGE HOUSE (BROADGATE)
Completed: 1990
London, UK
50 SIGNIFICANT STRUCTURES IN 50 YEARS

THE ROOKERY REHABILITATION

Completed: 1992
Chicago, IL
77 WEST WACKER DRIVE
Completed: 1992
Chicago, IL
100 N RIVERSIDE
(MORTON INTERNATIONAL BUILDING)
Completed: 1992
Chicago, IL
AMOCO BUILDING
FAÇADE RECLADDING

Completed: 1993
Chicago, IL
BAHA’I HOUSE OF WORSHIP
Completed: 1994
Wilmette, IL
CLARK BRIDGE
Completed: 1994
Alton, IL
SEISMIC ISOLATION RETROFIT, US COURT OF APPEALS

Completed: 1995
San Francisco, CA
CONFEDERATION BRIDGE

Completed: 1997
Prince Edward Island, Canada
PETRONAS TWIN TOWERS
Completed: 1997
Kuala Lumpur, Malaysia
GUGGENHEIM MUSEUM BILBAO
Completed: 1997
Bilbao, Spain
DAMEN AVENUE BRIDGE
Completed: 1999
Chicago, IL
PARK TOWER
Completed: 1999
Chicago, IL
50 SIGNIFICANT STRUCTURES IN 50 YEARS

EAST FORK CABLE-STAYED BRIDGE
Completed: 2000
Columbus, IN
50 SIGNIFICANT STRUCTURES IN 50 YEARS

UBS TOWER
Completed: 2001
Chicago, IL
MILWAUKEE ART MUSEUM ADDITION
Completed: 2001
Milwaukee, WI
INGENIEURE
HOUSE R128
Completed: 2002
Stuttgart, Germany
50 SIGNIFICANT STRUCTURES IN 50 YEARS

SOLDIER FIELD (ADAPTIVE REUSE)
Completed: 2003
Chicago, IL
50 Significant Structures in 50 Years

Ratner Athletic Center, University of Chicago
Completed: 2003
Chicago, IL
MILLENNIUM PARK
Completed: 2004
Chicago, IL
50 SIGNIFICANT STRUCTURES IN 50 YEARS

BOOTH SCHOOL OF BUSINESS, UNIVERSITY OF CHICAGO
Completed: 2004
Chicago, IL
GENERAL MOTORS ENTRANCE PAVILLION
Completed: 2004
Detroit, MI
111 SOUTH WACKER DRIVE
Completed: 2005
Chicago, IL
NORTH AVENUE BRIDGE
Completed: 2008
Chicago, IL
CATHEDRAL OF CHRIST THE LIGHT
Completed: 2008
Oakland, CA
CAJA MADRID

Completed: 2008
Madrid, Spain
THE ART INSTITUTE OF CHICAGO
MODERN WING
Completed: 2009
Chicago, IL
BURJ KHALIFA
Completed: 2010
Dubai, UAE

50 SIGNIFICANT STRUCTURES IN 50 YEARS
AQUA
Completed: 2010
Chicago, IL
HALSTED STREET BRIDGE
Completed: 2011
Chicago, IL
300 EAST RANDOLPH
VERTICAL EXPANSION
Completed: 2012
Chicago, IL
WACKER DRIVE RECONSTRUCTION
Completed: 2012
Chicago, IL
RUSH UNIVERSITY MEDICAL CENTER TRANSFORMATION

Completed: 2012
Chicago, IL
WELLS STREET BASCULE BRIDGE REHABILITATION
Completed: 2013
Chicago, IL
STAN MUSIAL VETERANS MEMORIAL BRIDGE
Completed: 2014
St. Clair County, IL
St. Louis, MO
HASTINGS BRIDGE
Completed: 2014
St. Paul, MN
Advancements in Caisson Foundation Based on Testing

Caisson Load Test
Union Station, 1920

Pressure Meter

Osterberg-Cell Test

Sound Dolomite
230 tsf, One North Wacker, 1999
270 tsf, Trump Tower, 2001

Fractured Dolomite
75 tsf on McCormick Place West Hall, 2004
90 tsf Once Museum Park East, 2006
The Development of 14,000 psi Concrete

- **Outer Drive East** (6,000 psi) - 1962
- **Lake Point Tower** (7,500 psi) - 1965
- **MidContinental Plaza** (9,000 psi) - 1972
- **River Plaza** (11,000 psi) - 1976
- **Chicago Mercantile Exchange** (14,000 psi) - 1982
ACKNOWLEDGMENTS

AECOM, J. Muller International (now AECOM), Enviroydne Engineer, Inc. (now AECOM)
ARUP
Alfred Benesch and Company
Cannon Design
CS Associates, Inc. (Formerly Chris P. Stefanos Associates, Inc.
H.W. Lochner
GCE of Illinois, Inc
GRAEF
Halvorson and Partners, P.C.
Hanson Engineers, Inc.
HNTB
Leslie E Robertson Associates
Magnusson Klemencic Associates
Parsons Corporation
Perkins and Will
Sargent & Lundy Engineers
Skidmore, Owings & Merrill LLP
Werner Sobek
Thornton Tomasetti, Inc.
TranSystems
Tylk, Gustafson & Associates
TY Lin
Wiss, Janney, Elstner Associates