

2015 *Engineering Excellence Awards*

World Trade Center 7: Collapse Analysis and Assessment, New York, NY

Weidlinger Associates, Inc., New York, NY

Grand Award



A groundbreaking forensic study confirmed that the destruction of the World Trade Center 7 building resulted from the collapse of the adjacent North and South Towers, and not from errors in design or construction. The project team's analysis included nonlinear dynamic thermo-mechanical computational assessments, combined with photos, videos, and eyewitness accounts, to analyze and understand the physics behind the WTC 7 collapse. Results established that the most plausible cause was the shower of debris from the North Tower, which destroyed WTC 7's structural components while also igniting fires that raged throughout the day. This undermined the building's steelwork, leading to a downward cascade of floors and the buckling of interior columns. The study's conclusions validate the relative safety of modern office buildings – designed to current codes and standards.

San Francisco-Oakland Bay Bridge New East Span, Oakland, CA

T.Y. Lin International/Moffatt & Nichol (Joint Venture), San Francisco, CA

Grand Award



Pioneering structural design enables the world's longest, single-tower, self-anchored suspension bridge to withstand even the most powerful earthquakes. The 2.2-mile superstructure includes a 2,047-foot self-anchored suspension span with a world-record 258-foot-wide deck. A 525-foot-tall tower with four separate steel legs interconnected by shear link beams highlight the bridge's ground breaking seismic innovations. The beams are engineered to move independently during an earthquake like giant shock absorbers and prevent major damage to load-carrying components of the bridge structure. The project includes a 1.2-mile-long, twin-viaduct Skyway that ascends to the Oakland shoreline, a 4,229-foot-long connection from the Skyway to Interstate 80, and a 1,542-foot-long connection to Yerba Buena Island. The visually-striking new bridge has become an iconic landmark and ensures the safety of more than 300,000 vehicles each day.

Barium/Radium Removal Pre-treatment System, Village of Gilberts, IL

Baxter & Woodman, Inc., Crystal Lake, IL

Grand Award



A revolutionary treatment process can effectively and economically remove both barium and radium from wastewater. The patent-pending "Harman Barium/Radium Removal Process" is a regeneration waste pre-treatment system that separates barium and radium from the wastewater before it is discharged to the backwash tank and sanitary system. The process pre-treats the ion-exchange softener discharge, removing soluble barium and radium from regeneration waste while still in a concentrated form. The new process makes it possible for treatment plants to dispose of smaller quantities of radioactive material at local landfills instead of in costly radioactive disposal sites. Pilot testing at the Village of Gilberts, Illinois demonstrates the new process will save the village \$250,000 every three to five years in disposal costs of contaminated sludge.

2015 *Engineering Excellence Awards*

Designing a City for Zero Stormwater Discharge, Inver Grove Heights, MN

Emmons & Olivier Resources, Inc., Oakdale, MN

Grand Award



Imaginative engineering has resulted in an alternative to typical “pipe and pump” storm water management. To address a strict zero-storm water-runoff policy in a Twin Cities suburb, the project team developed a Low-Impact Development (LID) system that incorporates more natural elements while providing substantial savings. The LID combined rain gardens, ribbon curbs, curb cuts, porous pavement areas, permeable paver intersections, vegetated swales, and infiltration basins. It reduced the area’s initial capital cost for storm water infrastructure by \$18 million, and helped retain many of the site’s natural characteristics while adding several green streets and open spaces. The innovations have turned the suburb into a national model of how LIDs can provide flood control, water quality protection, drinking water recharge, and zero storm water discharge.

Division 9 Irrigation Enhancement Project, Manteca, CA

Stantec, Rancho Cordova, CA

Grand Award



Innovative irrigation design now provides farmers with individualized, automated irrigation through an easy-to-use web-based interface. Growing irrigation demands and severe droughts outpaced the production from century-old gravity-based canal and pipeline systems. The project team responded by developing one of the most water-efficient delivery approaches ever used. It includes a 19-mile network of pipelines offering flexible pressurization and delivery rates, a 56-acre-foot water storage basin, and a 1,225-horsepower pumping station. Solar energy powers all aspects of the system’s customer connections. Farmers are able to access online tools for irrigation management including weather and real-time field moisture levels. The highly efficient system saves over 12,000-acre-feet of water per year, and has reduced on-farm water use while increasing crop yields, both by 30 percent.

Denver Union Station Transit Center Improvements, Denver, CO

AECOM, Denver, CO

Grand Award



Striking renovations to a 120-year-old downtown transit station transformed a once-blighted 42-acre rail yard into a new standard for 21st-century multimodal facilities. The project team’s innovative design allows riders to easily transition between bus and rail through a modern eight-train hall, a new light rail station and a 22-bay underground bus concourse. A bustling, two-block pedestrian promenade links the commuter rail hall to the light rail station, while a network of pathways and public plazas provides a seamless conduit into downtown Denver and nearby neighborhoods. The visually striking facility is highlighted by an 875-ton, 500-foot-long web-like canopy comprised of tensioned fabric identical to Denver International Airport’s iconic main terminal roof. Triggered by this revitalization, more than \$1.5 billion in new commercial, retail and residential development is underway in the immediate area.

2015 *Engineering Excellence Awards*

Fulton Center, New York, NY Arup, New York, NY

Grand Award



The gleaming new transit complex blends six separate subway lines into a contemporary transportation hub that greatly enhances the travel experience at one of the world's busiest subway stations. The project team developed its own modeling software to address the center's operational and site challenges. Replacement of switchback ramps and column constraints with wide, column-free linear passageways ensures continuous pedestrian flows. Multiple staircases, elevators and escalators relieve platform congestion. Creative structural support installation helped maintain passenger routes and limited service disruptions during construction. The center's soaring oculus and spiraled dome, lined with 952 diamond-shaped reflective panels, called the Sky Reflector Net, hang above and draw sunlight into the station two flights below street level. The \$1.4 billion project includes the new transit center building and the renovated historical-landmark Corbin Building, and serves more than 300,000 travelers every day.

Niagara Tunnel, Niagara Falls, Ontario Hatch Mott MacDonald, Mississauga, Ontario

Grand Award



More than six miles long and 43 feet in diameter, the new Niagara Tunnel is the largest renewable energy project in the world. Providing much-needed power for the city of Niagara Falls, it is located deep beneath the city and is more than one and a half times wider than the English Channel Tunnel. The shaft provides 17,600 cubic feet per second of water from the Canadian Niagara Falls to the generating station. Among the project's firsts was use of the world's largest hard-rock boring machine, with cutter heads each weighing about 60 metric tons, and the largest non-reinforced concrete tunnel liner. This water tunnel will produce enough power to supply 160,000 homes, and is an integral part of Ontario's green-energy plan to close all the province's coal-fired generating plants.

One World Trade Center, New York, NY Jaros, Baum & Bolles, New York, NY

Honor Award



The 104-story One World Trade Center in Manhattan – the tallest building in the Western Hemisphere – sets a gleaming new standard for sustainability. Resourceful engineering provides state-of-the-art heating, cooling and energy systems, with innovations including the capture, filter and reuse of rainwater from the building's main roof areas, plaza and sidewalks. Waste heat is captured and reused for both perimeter heating and domestic hot water. Interior lighting is equipped with dimmers that automatically lower on sunny days, and floor air conditioning units have filters for mitigation of biological and chemical contamination. A recipient of a LEED Gold certification, One World Trade Center is one of the most environmentally sustainable buildings of its size in the world.

2015 *Engineering Excellence Awards*

Milton-Madison Bridge Replacement, Milton, IN

Buckland & Taylor, Ltd. (COWI), Vancouver, British Columbia

Honor Award



An antiquated bridge was replaced with a newer, wider version by sliding the replacement structure over the original's rehabilitated support piers – in what constitutes the longest truss slide in North American history. Built in 1929, the old Milton-Madison Bridge had deteriorated and become functionally obsolete for today's transportation demands. Nevertheless, it remained a vital transportation link to nearby communities as the only crossing in a 72-mile stretch of the Ohio River. The project team rehabilitated the bridge's existing support piers while keeping the structure open to traffic, and constructed a new bridge superstructure alongside on temporary piers. Using strand jacks and a computerized, displacement-monitoring control system, the new 2,430-foot-long truss was slid 55 feet to its new position.

New I-70 Mississippi River Bridge & Corridor, St. Louis, MO

HNTB Corporation; AECOM; exp U.S. Services, Inc.; Crawford, Murphy & Tilly, Inc., Kansas City, MO

Honor Award



A majestic 1,500-foot cable-stayed bridge – the third-largest cable-stayed bridge in the U.S. – stemmed from a collaborative multi-state effort to build a modern passageway over the Mississippi River between Illinois and Missouri. Named in honor of St. Louis Cardinal Hall of Fame slugger Stan Musial, the project also included construction of a tri-level interchange, and realignment of I-70 and the Missouri North Interchange, totaling 6,500 feet of structure and approximately 76 roadway lane miles. With capacity to carry 55,000 vehicles daily, the bridge and corridor ease traffic congestion, reduce traffic accidents, improve travel times and enhance regional economic growth.

Manhattan West's Platform over the West Side Rail Yard, New York, NY

Mueser Rutledge Consulting Engineers, New York, NY

Honor Award



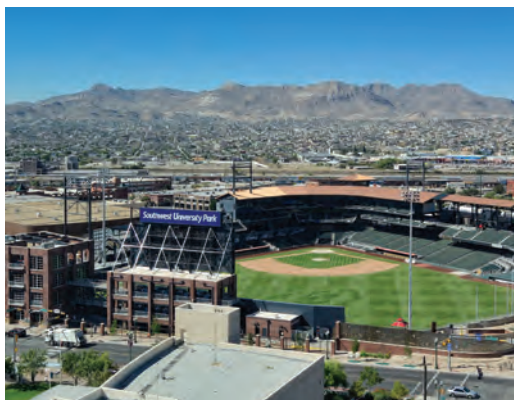
A 7-million-square-foot development at the gateway of Manhattan's vibrant Hudson Yards District has a centerpiece plaza that was constructed over a gaping hole above the rail approach to New York's Penn Station. For decades, the neighborhood was divided and development impeded by a 240-foot-wide, 65-foot-deep opening that exposed 16 busy commuter rail lines below. The design team used post-tension pre-cast bridge technology to build a 2.6-acre, state-of-the-art concrete platform over the rail corridor. The platform will serve as the foundation for a plaza and public space part of the new office development. The project improves the neighborhood by removing unsightly rail lines from view, reducing train noise and re-establishing unimpeded traffic flow.

2015 *Engineering Excellence Awards*

Southwest University Park, El Paso, TX

Walter P Moore, Austin, TX

Honor Award



Visionary engineering overcame extreme site limitations to build a new 7,500-seat baseball stadium that is a national jewel of innovative urban design. At just under six acres, the downtown El Paso site was constrained by the nearby Bataan Memorial trainway and the Union Pacific Railroad on which freight trains rumble an average of 48 times every day just 160 feet from home plate. The project team designed portions of the ballpark concourse to cantilever over the trainway to create more space. They relocated major electrical and telecommunication lines and water infrastructure, and designed a European-styled pedestrian area called a “living street.” The new Chihuahuas’ ballpark is a prime example of clever engineering that has resuscitated a decaying area while creating a valuable and sustainable community asset.

Agua Nueva Water Reclamation Facility, Tucson, AZ

CH2M HILL, Tempe, AZ

Honor Award



One of the world’s most advanced wastewater treatment facilities prevents nutrient discharges to the Santa Cruz River while resolving a long-standing odor issue for nearby residents. To meet new stringent discharge requirements, the project team designed a compact 32-million-gallon-per-day facility that produces Class A+ reclaimed water and dramatically reduces chemical usage and the resulting odor, in addition to energy consumption and lifecycle costs. The facility’s output is used to irrigate parks, golf courses and other turf facilities, conserving the region’s water resources. The remaining reclaimed water is released into the Santa Cruz River. The facility’s small footprint, innovative treatment process, and flexible design save ratepayers more than \$2 million a year in operation costs, and will meet the needs of the region’s growing population to 2030.

West Side Diversion Tunnel, Davenport, Iowa

Stanley Consultants, Inc., Muscatine, Iowa

Honor Award



Leading-edge engineering has made flooded basements after heavy rainfall a thing of the past for Davenport, Iowa residents. A new 3.1-mile-long sanitary sewer line serves the dual functions of relieving stress on the aging sewer system, and by opening up nearly 10,000 acres for future development. The project team used a tunnel boring machine for up to 140-foot-deep construction of 60-inch gravity sewer. This project also includes innovative flow velocity controls to route wastewater in circles to avoid the release of odorous and corrosive hydrogen sulfide. The project helps protect Mississippi River water quality while creating new opportunities for regional industrial and commercial development.

2015 *Engineering Excellence Awards*

Washington Route 530 Emergency Roadway Reconstruction, Oso, WA

**Jacobs Engineering Group Inc.; GeoEngineers, Inc.;
Site Development Associates, Bellevue, WA**

Honor Award



Unique geotechnical engineering reopened an important travel corridor that had been closed for months after the deadliest landslide in U.S. history. The March 2014 tragedy killed 43 people, obliterated dozens of homes and spread 10 million cubic yards of mud, trees and debris over a half-mile area in the Stillaguamish River Valley. It also demolished a one-mile section of Washington Route 530, leaving a string of rural Cascade Mountain Range communities isolated and economically paralyzed for four months. The project team incorporated geotechnical innovations including slope stabilization that allowed portions of the new road to be constructed over the soft, unstable landslide deposits. The road was completed with unprecedented speed, opening just 13 weeks after construction began and exactly six months from the day of the devastating landslide.

Port of Miami Tunnel, Miami, FL

Jacobs Engineering Group, Inc., Morristown, NJ

Honor Award



Florida's first-ever bored transportation tunnel provides quick and efficient access to the Port of Miami, while eliminating major cargo vehicle and bus congestion on downtown streets. For decades, access to the Port was only possible through narrow streets, causing traffic congestion and limiting the Port's ability to move people and goods efficiently. The project team designed two new 4,200-linear-foot concrete-lined vehicle tunnels constructed with a 42-foot diameter tunnel boring machine capable of operating in South Florida's challenging geologic conditions. The project also included reconstruction of the surrounding Port roadway system and widening of the MacArthur Bridge. Innovative fire and life safety features were added such as massive flood gates for hurricane protection. The extensive subsurface investigation and innovative design solutions greatly advanced the knowledge of tunnel boring in highly variable and permeable geologic locations such as South Florida.

Sava Bridge and Approach Roads, Belgrade, Serbia

Louis Berger, Las Vegas, NV

Honor Award



Belgrade's first new bridge in 40 years is a vital transportation link for a growing city, and a potent symbol of renewal after the 1990s armed conflict in the Serbian capital. The asymmetrical single-pylon cable-stayed bridge features 40 pairs of steel stay cables that creatively run inside the lanes of vehicular traffic to meet city leaders' desire to preserve scenic views of the city and the Sava River. The advanced design also features a 1,200-foot main span of lightweight structural steel, while a shorter back span is comprised of concrete to balance the load and maintain adequate tension. Visible from all parts of the city, the 650-foot-tall pylon is the largest structure in Belgrade. The 150-foot-wide bridge carries six lanes of traffic and features pedestrian and bike paths and represents one of the largest bridge projects in Europe and one of Serbia's first megaprojects since the 1990s.

2015 *Engineering Excellence Awards*

Superstorm Sandy Repair & Rehabilitation - Montague Tunnel, New York, NY

Parsons Brinckerhoff/Parsons Transportation Group, New York, NY

Honor Award



Innovative engineering helped restore a ruined transit tunnel that had been devastated by 20 feet of flood water from Superstorm Sandy. The October 2012 storm left the nearly century-old Montague Tunnel filled almost to the ceiling with 27 million gallons of salt water. Virtually everything from tracks and switches, to signals and controls, to power and communications systems was destroyed. The project team had to demolish and reconstruct 30,000 feet of concrete duct banks and 90 manholes containing over 78,000 feet of cables. More than 11,000 feet of track and associated equipment were replaced because of severe corrosion damage. Installation of three new pumps with capacity of more than 1,900 gallons per minute, along with 8,000 feet of dry discharge lines, adds protection against future flooding. Service was restored to a far more weather-resilient station in September 2014.

Santa Teresa Terminal, Santa Teresa, NM

Wilson & Company, Inc., Salina, KS

Honor Award



Three separately located rail operations have been consolidated into a massive, centralized and highly efficient terminal facility. Nearly 12 miles long and encompassing 2,200 desert acres in remote New Mexico, the project includes two fueling platforms two miles apart, which facilitate bi-directional train fueling, servicing and inspection, in addition to more than 50 miles of new track and 23 operational support buildings. Construction of 15 miles of new access roads, along with 2.5 miles of electrical, water and sanitary sewer lines, was also required. At full capacity, the new terminal can process 120 trains with up to four locomotives each day. With its size and complexity, the facility is an extraordinary example of mechanical and electrical engineering coordination.

Spring Skate Park and Dylan Park, Houston, TX

Klotz Associates, Inc., Houston, TX

Honor Award



A unique 10-acre inner-city recreation area featuring North America's largest skate park and an imaginative playground for special-needs children, also includes groundbreaking storm water management. Design elements for the skate park feature a 20-foot-diameter full pipe in a Texas-shaped bowl, backyard-style pools, a sloping snake run and areas for simulated street skating. The special-needs park includes ADA-compliant ramps, tables and playground equipment that expand play options for wheelchair-bound, sight-impaired and autistic children. Engineers also linked nine detention ponds to form a drainage system that carries storm water off site. Greenspace is found throughout. The creative design balances championship skateboarding with special-needs accessibility and aesthetics to deliver an attraction that has stimulated inquiries from throughout the world.

2015 *Engineering Excellence Awards*

Provo Temple Underpinning, Provo, UT **GEI Consultants, Inc., Woburn, MA**

Honor Award



Innovation allows the rebirth of a century-old historic landmark after it was damaged by a massive fire. Nearly beyond salvageable in 2010, the 1890's-era Provo Tabernacle is now being completely renovated. The project team employed a daring combination of underpinning and bracing to lift and hold the brick shell structure off its existing foundation for months while enabling construction of a new foundation 35 feet below street level. Excavation was completed in about six weeks, and the concrete foundation mat was completed six weeks later. This was followed by construction of the new foundation walls, which had to be built around needle beams and micropile cross-bracing. The year-long project attracted public attention and showcased engineering technical prowess.

San Ysidro U.S. Land Port of Entry Modernization, San Ysidro, CA

Magnumson Klemencic Associates, Inc., Seattle, WA

Honor Award



The world's busiest land port is now a model "Port of the Future" that has achieved new standards in efficiency, security, aesthetics and sustainability. The 39-acre facility, which processes 50,000 vehicles and 25,000 pedestrians daily, now also features heightened levels of efficiency, visibility and security. This was achieved by the replacement of 70 support columns with four high-performance pylons, the construction of a 30,000-square-foot primary inspection canopy, a 62,000-square-foot secondary inspection canopy, and 26 vehicle processing lanes with two tandem officer booths per lane. Wait times for border crossings have dropped from over four hours to less than 20 minutes. It is the first government-owned 24-hour/365-day facility to achieve LEED Platinum, NetZero Energy and NetZero Water certifications.

Asymmetric Warfare Training Center, Fort A.P. Hill, VA **Mason & Hanger (div. of Day & Zimmerman), Lexington, KY**

Honor Award



Groundbreaking engineering design has produced the first-of-its-kind military research facility to prepare U.S. forces to meet rapidly evolving threats. In order to accurately simulate the battlefields of today, the Asymmetric Warfare Group, which researches countermeasures against current and emerging dangers, needed a real-world urban "battle laboratory." The project team had to develop a fully functional small city with corresponding infrastructure that integrated military testing options and venues. The 490-acre center consists of 41 government and residential buildings, an extensive network of roadways, train tracks, and an underground subway station with functional subway trains. It also includes a state-of-the-art facility for testing weapons, ammunition and explosives. Techniques and procedures developed at the new "battle laboratory" will help prevent injuries and loss of life to U.S. and allied forces, as well as civilians.

2015 Engineering Excellence Awards

National Recognition Awards

ACEC/ALABAMA

Krebs Engineering, Inc.
W. Warner Williams Water Resources Complex

Sain Associates, Inc.
Martin Army Community Hospital

ACEC/ALASKA

Hanson Alaska (a subsidiary of Hanson Professional Services Inc.)
Alaska's Tanana River Bridge

ACEC/ARIZONA

ARCADIS
Advanced Oxidation Process Water Treatment Facility

CH2M HILL
Agua Nueva Water Reclamation Facility

HDR Engineering
Sun Link Tucson Modern Streetcar

ACEC/CALIFORNIA

AECOM
San Francisco International Airport Runway Safety Area Program

ARCADIS
Whole House Replacement Water Program

Degenkolb Engineers/Plant Construction Company
Univ. of California/Berkeley Art Museum and Pacific Film Archive

HNTB Corporation
San Bruno Grade Separation Project

Kennedy/Jenks Consultants
Waste Food-to-Energy Program

P2S Engineering, Inc.
Conrad Prebys Aztec Student Union

Stantec
Division 9 Irrigation Enhancement Project

T.Y. Lin International/Moffatt & Nichol (Joint Venture)
San Francisco-Oakland Bay Bridge New East Span

ACEC/COLORADO

AECOM
Denver Union Station Transit Center Improvements

Hatch Mott MacDonald
Sterling Water Treatment System

MKK Consulting Engineers
Commuter Rail Maintenance Facility

Wilson & Company, Inc.
Pecos Street over I-70 Bridge Replacement

ACEC/CONNECTICUT

AI Engineers, Inc.
Connecticut Bus Rapid Transit Guideway

ACEC/DELAWARE

AECOM
Emergency Repairs to Dual Bridges over Christina River

Landmark Engineering, Inc.
Form + Function Yields Elegant Pond Retrofit

ACEC/FLORIDA

Finley Engineering Group, Inc. / The Lane Construction Corporation
I-35 Brazos River Bridge

Atkins/Parsons Brinckerhoff
I-4/Selmon Expressway Connector

Finley Engineering Group, Inc. /Archer Western Contractors
U.S.-281 Bridge over Colorado River

HNTB Corporation/The Corradino Group/AECOM/ RS&H
I-595 Corridor Improvements

Jacobs Engineering Group, Inc.
Port of Miami Tunnel

Kimley-Horn and Associates, Inc.
Miami-Dade County Advanced Traffic Management System

RS&H
Mathews Bridge Emergency Repairs

RS&H
Veterans Memorial Bridge

Wantman Group, Inc.
Big John Monahan Bridge Replacement

ACEC/GEORGIA

Hatch Mott MacDonald
Riverwalk – 14th Street Bridge & Plaza

Heath & Lineback Engineers Inc.
I-85/Georgia Route-400 Ramps/N. Fork Creekside Trail

Keck & Wood, Inc.
North Broad Street Redevelopment

ACEC/HAWAII

Wilson Okamoto Corporation
Honoapiʻilani Highway Realignment, Keawe St. Extension to Lahainaluna Rd.

ACEC/IDAHO

Parametrix, Inc.
Idaho Highway 16 Extension

ACEC/ILLINOIS

AECOM/Parsons Brinckerhoff
Rehabilitation of Wells Street Bascule Bridge

Baxter & Woodman, Inc.
Barium/Radium Removal Pre-treatment System

Civiltech Engineering, Inc.
Algonquin Western Bypass

Collins Engineers, Inc./TranSystems
I-90/94 at Ohio Street Replacement & Rehabilitation

Crawford, Murphy & Tilly, Inc.
Morgan Street Bridge Community Revitalization

Hanson Professional Services Inc.
Camp Lincoln Headquarters Geothermal System

Huff & Huff, Inc./GRAEF
Illinois Route 47 Interchange at I-90

Parsons
New Hastings Bridge over Mississippi River

Primera Engineers, LTD
El Centro

Strand Associates, Inc.
Innovative UV Treatment Saves Romeoville Well No. 3

T.Y. Lin International, Inc./Knight E/A, Inc.
I-294/I-57 Interchange Project Phase One

Thouvenot, Wade & Moerchen, Inc.
Belleville Water Reclamation Facility

TranSystems Corporation/Jane Addams Memorial Tollway (I-90) West Team
I-90 Rebuilding and Widening, Western Segment

ACEC/INDIANA

American Structurepoint, Inc.
U.S.-31 Kokomo Corridor

ARCADIS
Belmont Advanced Wastewater Treatment Plant Upgrades

HNTB Corporation
Big Four Pedestrian Bridge

ACEC/IOWA

Stanley Consultants, Inc.
Wastewater Treatment Plant Expansion

Stanley Consultants, Inc.
West Side Diversion Tunnel

ACEC/KANSAS

Burns & McDonnell
Mobile Source Air Toxics

Burns & McDonnell
Wichita Equus Beds Aquifer Storage and Recovery Project

2015 *Engineering Excellence Awards*

Burns & McDonnell

Westar Energy Constructed Wetland Treatment System

HNTB Corporation

Amelia Earhart Memorial Bridge over Missouri River

HNTB Corporation

Kansas Route-18 Improvements (Ogden to Manhattan)

ACEC/KENTUCKY

Biagi, Chance, Cummins, London, Titzer, Inc.

U of K Campus Security Centralization Project

HMB Professional Engineers, Inc.

Kentucky Route-22 over the Licking River

Mason & Hanger (a div. of Day & Zimmerman)

Asymmetric Warfare Training Center

ACEC/MARYLAND

Rummel, Klepper & Kahl/ URS

Corporation/Parsons Brinckerhoff Intercounty Connector

A. Morton Thomas and Associates, Inc.

Green Infrastructure - Greening DC Streets

Sabra, Wang & Associates, Inc.

Baltimore Citywide Signal Retiming

Straughan Environmental Inc.

Methodology for Pavement Application Using Foam Stabilized Base

ACEC/MASSACHUSETTS

AKF Group

Education First North American Headquarters

Fay, Spofford & Thorndike

Runway 33L Improvements

GEI Consultants, Inc.

Provo Temple Underpinning

Simpson Gumpertz & Heger Inc.

Be Like Brit Orphanage

Simpson Gumpertz & Heger Inc.

Suspended Concrete Ceiling Demolition Above Mass. Turnpike

ACEC/METROPOLITAN WASHINGTON

AECOM

Virginia Route 50/10th Street and Courthouse Road Interchanges

Kimley-Horn and Associates, Inc.

moveDC: Multimodal Transportation Plan

Louis Berger

Lincoln Memorial Reflecting Pool Reconstruction

Louis Berger/Hill International

Washington Monument Earthquake Repair

Robert Silman Associates

Gallaudet University Living Learning Residence Hall

Robert Silman Associates

St. Elizabeths East Gateway Pavilion

Stantec

I-595/University Dr. Interchange Reconstruction

STV Incorporated

Crystal City/Potomac Yard Transitway

ACEC/MICHIGAN

Fishbeck, Thompson, Carr & Huber, Inc.

West Circle Drive - Phase 3

Parsons

I-96/Michigan Route-50 Slide In Bridge Replacement

ACEC/MINNESOTA

Emmons & Olivier Resources, Inc.

Designing a City for Zero Stormwater Discharge

Kimley-Horn and Associates, Inc.

I-494/34th Ave. Diverging Diamond Interchange

LHB

Greenhouse Gas Regional Indicators Initiative

ACEC/MISSOURI

HNTB Corporation/AECOM/exp U.S. Services, Inc./ Crawford, Murphy & Tilly, Inc.

New I-70 Mississippi River Bridge & Corridor

Jacobs Engineering Group Inc.

Sanitary & Combined Sewer Overflow Control Program

Parsons

Hurricane Deck Bridge Replacement

ACEC/MONTANA

HDR Engineering/Morrison Maierle, Inc.

Bozeman Hyalite/Sourdough Water Treatment Plant

Pioneer Technical Services, Inc.

McLaren Tailings Abandoned Mine Site Reclamation

ACEC/NEBRASKA

HDR Engineering

U.S. 34 Missouri River Bridge

ACEC/NEVADA

Louis Berger

Sava Bridge and Approach Roads

ACEC/NEW JERSEY

Dewberry

N.J. Turnpike Widening Program, Interchange 8, Section 6

Greenman-Pedersen, Inc.

Route 46 over Musconetcong River

Hardesty & Hanover

New Jersey Route 1&9T' over St. Paul's Viaduct

Hatch Mott MacDonald

Keswick Water Pollution Control Plant Outfall

Hatch Mott MacDonald

Niagara Tunnel

Hatch Mott MacDonald

Port Mann/Highway 1 Improvement Project - Onshore Works

Hatch Mott MacDonald

Reconstruction of N.J. Route-10 Bridge over Passaic River

Jacobs Engineering Group Inc.

Delair Bridge Span Replacement

Louis Berger

World Trade Center Redevelopment Program

Michael Baker Jr., Inc.

Inundation Mapping of N.J. Turnpike and Garden State Parkway

Michael Baker Jr., Inc.

U.S. Route 1 Adaptive Traffic Signal System

Parsons Brinckerhoff

Bear Tavern Road & Jacobs Creek Road Bridges

Parsons Brinckerhoff

New Jersey Turnpike Widening

Urban Engineers, Inc./AECOM/URS Corporation

Walt Whitman Bridge Deck Replacement

ACEC/NEW MEXICO

HDR Engineering

City of Aztec Pedestrian Bridge

Wilson & Company, Inc.

Union Pacific Santa Teresa Terminal

ACEC/NEW YORK

Arup

Fulton Center

Arup

Fulton Center Sky Reflector-Net

C & S Companies

Sunoco Slurry Process System Upgrades

Concessi Engineering

N.Y. Times Building M/E/P Systems Upgrade

Erdman Anthony

Forest Home Drive Bridge Rehabilitation

2015 *Engineering Excellence Awards*

Greeley and Hansen/Hazen and Sawyer/ARCADIS

Whale Creek Sludge Dock & Vessels Projects

HNTB Corporation

I-84 over Dingle Ridge Road - Rapid Bridge Replacement

Jaros, Baum & Bolles

One World Trade Center

Joseph R. Loring & Associates, Inc.

Latvian National Library

Langan Engineering & Environmental Services, Inc.

New York Police Academy

Mueser Rutledge Consulting Engineers

Manhattan West's Platform over the West Side Rail Yard

Naik Consulting Group, P.C.

Fulton Center Sky-Reflector Cable Net

Parsons Brinckerhoff/Parsons Transportation Group

Superstorm Sandy Repair & Rehabilitation - Montague Tunnel

Robert Silman Associates

Theatre for a New Audience

Syska Hennessy Group, Inc.

Cornell University Bill & Melinda Gates Hall

Thornton Tomasetti, Inc.

Innovation, Science and Technology Building

Weidlinger Associates, Inc.

World Trade Center 7: Collapse Analysis and Assessment

ACEC/NORTH CAROLINA

McKim & Creed

Sea Bright to Manasquan (N.J.) Profile Survey

Mulkey Engineers & Consultants

UNC Marsico Hall

Parsons Brinckerhoff

The American Tobacco Trail Pedestrian Bridge

Withers & Ravenel, Inc.

Swine Farm Biogas Renewable Energy Project

ACEC/OHIO

HNTB Corporation

I-90 George V. Voinovich Innerbelt Bridge

HNTB Corporation

Opportunity Corridor Reader-Friendly EIS

ms consultants, inc.

John R. Doult Upground Reservoir

Stantec

5th Avenue Dam Removal & Olentangy River Restoration

ACEC/OKLAHOMA

Burns & McDonnell

Seminole to Muskogee 345-kV Transmission Line

Cabbiness Engineering

Ponca City - Sanitary Sewer Rehabilitation

ACEC/OREGON

Interface Engineering, Inc.

Collaborative Life Sciences Bldg. & Skourtes Tower

OBEC Consulting Engineers

Interstate 5: Willamette River Bridge Project

ACEC/PENNSYLVANIA

Gannett Fleming, Inc.

I-81 River Relief Route Emergency Design Work

Johnson, Mirmiran & Thompson

Penn's Landing Redevelopment Study

Urban Engineers, Inc./WRT

Paseo Verde

URS Corporation

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