2010 GRAND AWARD WINNER

Catagory C: HNTB Corporation
"Bob Kerrey Pedestrian Bridge"
Client: The City of Omaha, Nebraska

The Bob Kerrey Pedestrian Bridge, a 2,222 foot pedestrian bridge spanning the Missouri River, has become a landmark for Omaha and a symbol of cooperation and good will between the cities of Omaha and Council Bluffs. The river span of the structure features a one-of-a-kind 1,012-foot curvilinear cable stayed bridge, with a main span length of 506 feet. The superstructure is supported by single pylons near each bank that rise 200 feet above the water surface, and two planes of cables suspend the superstructure from the pylons. Landings at each end of the bridge descend to public open green spaces and provide connections to a regional trail system that had been previously inaccessible to pedestrians and cyclists prior to the connectivity provided by the bridge.

In 2004, the City of Omaha opened bids for a proposed pedestrian bridge spanning the Missouri River. Unfortunately, the project halted when bids were significantly higher than the construction funds available. In an attempt to salvage the project, the City elected to abandon the original design and requested design-build proposals for the design and construction of a signature structure of undefined form.

With a project budget capped at $22 million, the design-build team was presented with many challenges to ensure that the proposed pedestrian bridge achieved the necessary balance between the principles of engineering, architecture and economy.

Although faced with rigid budget constraints and engineering challenges, the design-build team completed the project within budget due primarily through design innovations, allowing the City to open the bridge to the public on September 28, 2008, two months ahead of schedule.

2010
HONOR
AWARD

Catagory A: CH2M Hill in association with HDR Engineering and Lamp Rynearson & Associates

“Omaha Long Term Control Plan”

Client: The City of Omaha, Nebraska

In 2006, the City of Omaha was faced with the challenge of meeting a tight deadline to comply with a federal mandate to create a Long Term Control Plan to improve its water quality by reducing the number of untreated combined sewer overflows (CSO) throughout the City’s combined sewer system. CSO issues arise when rain events cause treatment limitations, resulting in CSO discharges consisting of a mix of untreated sewage and stormwater flowing into the Missouri River or the Papillion Creek tributaries and causing basement backups.

City staff partnered with CH2M HILL, in association with HDR and Lamp, Rynearson & Associates, to assist in satisfying state and federal regulatory agencies, provide public and stakeholder benefits, and create solutions that are sustainable, cost-effective, and implementable within the mandated timeframe.

Development of the plan was a significant challenge because of the expansive service area (including a 43-square-mile CSS with more than 790 miles of combined sewers). CH2M HILL, HDR, and LRA, formed the Program Management Team and worked with the City, the public, stakeholders, and regulators to develop a comprehensive plan that will minimize the number and volume of CSOs and significantly reduce the number of sewer backups. The plan identifies cost-effective controls, meets regulatory requirements, is as affordable to ratepayers as possible.

2010
HONOR
AWARD

Catagory B: MorrisseyEngineering“

“4940 Building”

Client: Morrissey Engineering

Morrissey Engineering created a working model of high efficiency in which actual energy savings is a testament to the accuracy and predictability of its design calculations. Morrissey Engineering’s new headquarters at 4940 N 118th St, is a facility that balances aesthetics and functionality by integrating architecture and engineering in a complementary design. As the project progressed, the design team became committed to achieving Platinum LEED certification, the highest level of LEED certification achievable. LEED is an internationally recognized green building certification program that sets industry-wide standards for design, construction and operation of high performance green buildings to reduce energy consumption and environmental impact.

Morrissey Engineering’s 4940 Building became the first building in Nebraska to be awarded LEED® Platinum certification by the U.S. Green Building Council. In addition, the 4940 Building’s energy efficiency ranks in the top 10 percent of comparable buildings as determined by the Environment Protection Agency’s (EPA) Energy Star rating for buildings.

Morrissey Engineering created a building that not only meets some of the highest performance standards possible for energy efficiency and environmentally friendly practices but also features many green amenities that provide additional conveniences to employees in an inspiring and aesthetically pleasing work environment.

2010
HONOR
AWARD

Catagory B: ME Group

“Palmer Ridge High School”

Client: Palmer Ridge School District #38

This 220,000 square foot high school contains a multitude of energy efficiency techniques. The HVAC system utilizes geothermal heat pumps, with a 200-well field located beneath the athletic fields. Energy recovery ventilators make ventilation more cost effective by reclaiming energy from exhaust airflows. A demand control ventilation scheme uses carbon dioxide sensors in densely occupied spaces, such as the gymnasium, and occupancy sensors to both turn off the lights and disable the ventilation air supply to each space when not in use.

Part of the design strategy involved utilizing a daylight harvesting systems and an indirect lighting method with exterior spaces that dim in response to natural light. A two story scheme allowed for a reduced foot print on the site and optimum building configuration for daylight. The use of high performance day light and vision light glazing, sun shades, internal light shelves and light tubes reduce artificial lighting needs during normal day time occupancy.

Palmer Ridge High School in Monument, Colorado serves as an example of how MEP design can drastically impact the facility’s ability to achieve goals relating to sustainability and demonstrates sustainability is not synonymous with premium cost.

2010
HONOR
AWARD

Catagory K: HDR Engineering

"OPPD Nebraska City 2"

Client: Omaha Public Power District

The Omaha Public Power District and HDR Engineering turned heads in the utility industry in April of 2005 when OPPD entered into an Engineer, Procure and Construct contract for a 682 MW coal-fired unit at OPPD's Nebraska City Station Unit 2 (NC2) for an industry-leading lowest capital cost of $950/kW (Similar plant construction cost is approximately $1,800/kW). When NC2 went live on May 1, 2009, it marked the more than doubling of power output for the OPPD Nebraska City Station. NC2 is providing the generation needed to satisfy the increasing demand for low-cost, reliable power for many years to come.

HDR was able to provide a superior award-worthy project by utilizing state-of-the-art emissions control equipment; using elevated steam temperatures to increase thermal efficiency; integrating "smart" technologies into control systems; and designing a shorter stack that exceeds environmental requirements while still providing construction cost savings.

Even with a design team of over 115 personnel and over 30,000 design documents, HDR optimized project delivery and budget dollars, delivering NC2 on time and several million dollars under the $710 million direct budget, giving the Owner an opportunity to provide additional redundancy during design.

2010 Small Firm Award

Small Firm: Baker & Associates

"Broadwater Water improvements"

Client: The Village of Broadwater

Broadwater is a small community of 140 residents. The Village was faced with finding a method to reduce the Arsenic Levels with consideration given to the limited resources available.

Several solutions were considered to mediate the excess levels of Arsenic including establishing a new well field and establishing a municipal treatment facility. Both of these alternatives were found to be too expensive and not practical given the current financial standing of the community. With the approval of the Department of Health and Human Services (DHHS), it was decided to pursue using Point of Use (POU) Reverse Osmosis (RO) units as a means to obtain compliance with standards. This mediation method was not yet approved by the DHHS and a standard operating procedure would not even be adopted until late March of 2008. With guidelines in place, a POU RO unit was installed in each home and business within the Village. Preliminary test results show that this method of treatment has reduced the levels of Arsenic to 1 ppb or less and this program is well on its way to meeting Federal and State requirements for MCLs.

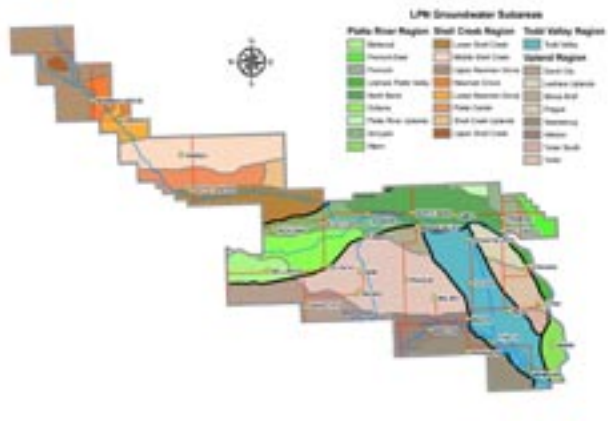
2010 MERIT AWARDS

Category A: Olsson Associates
"West Haymarket Transportation, Environmental and Utilities Plan"
Client: The City of Lincoln, Nebraska and Vision 2015

The City of Lincoln is redeveloping the West Haymarket area from an environmentally hazardous, floodprone rail yard into a community center, with a 16,000-seat arena, Ice Center, hotel, commercial space, and more. The city, in conjunction with 2015 Vision, hired Olsson Associates to study the conceptual designs, cost estimates for clean up, infrastructure needs, and identify fatal flaws.

Category A: Olsson Associates"
"Lower Platte North NRD Groundwater Study"
Client: Lower Platte North NRD

Due to increased groundwater demands from agricultural, industrial, and domestic water users, a hydrogeologic study of the 1.0 million acre district located in eastern Nebraska was completed to delineate subareas within the groundwater regions so the district could better manage its groundwater resources. 23 subareas were delineated using GIS mapping and geodatabase analysis in a way that had never before been used to evaluate the glacial aquifers of eastern Nebraska.



Category B: Alvine Engineering
"Saddlebrook Joint Use Facility"
Client : Omaha Public Schools

The Saddlebrook Joint Use Facility is a collaborative effort between the Omaha Public Schools, Omaha Public Library, and City of Omaha Parks and Recreation for a community-based public use facility. Alvine Engineering was contracted to provide mechanical, electrical, fire protection, and telecommunications systems design which embraced the functions of a diverse set of end-users and incorporated sustainable design elements for this exciting project, one of a few of its type in the country.

2010 MERIT AWARDS

Category B: Alvine Engineering
"Appliance and Electronics Store"
Client: Nebraska Furniture Mart

To become the leader in a new age of "customer experience," the Nebraska Furniture Mart (NFM) determined that an update was required for the Appliance and Electronics Store. Alvine Engineering provided industry-best technology consulting and engineering within tight budgets and restrictive timelines for an owner with high expectations and a reputation for excellence. The renovation project maintains an open floor concept while completely transforming the facility with additional retail space and innovative vendor stores within the NFM umbrella.

Category B: Thomnpson Dreessen & Dorner
"Signs and Shapes International"
Client: No Mans Land, LLC

Thompson, Dreessen & Dorner (TD^2) completed the civil site design, geotechnical engineering, structural engineering, surveying, and special inspections for the new Signs & Shapes building located in the North Omaha Business Park. TD^2 provided a functional and innovative site that utilizes multiple cutting edge technologies, such as an innovative geothermal heating and cooling system, pervasive daylighting, open-office design, acoustical treatment, storm water retention, and high-level insulation.

Category C: Schemmer Associates
"Harris Overpass"
Client: The City of Lincoln, Nebraska

At 1,886 feet long, the new bridge is nearly 16 feet longer than its predecessor but has only 14 concrete piers instead of 29, saving cost and promoting development beneath the bridge. The wider structure spans 25 active rail lines and includes a protected pedestrian/bicycle lane. Aesthetic enhancements include patterned and colored concrete, stone veneer, unique pier shapes and decorative lighting and railings. The viaduct was completed in a year, rather than two-years saving an estimated $5 million.

2010 MERIT AWARDS

Category C: Terracon Consultants
"Midtown Crossing at Turner Park Implementation of the Concrete Maturity Method"
Client: Weitz Company

This project used a more efficient and accurate technology than typical cylinder testing for measurement of concrete strength. The Maturity Method provides clients with improved schedule performance and reduced project cost. The maturity measurement system used a sacrificial data logger embedded in wet concrete at placement which periodically recorded the temperature of the concrete as it cured allowing confirmation of the strength necessary to support construction activities much earlier time and more accurately than with conventional test cylinders.

Category F: Olsson Associates
"Ashland Wastewater Treatment Plant"
Client: The City of Ashland, Nebraska

Olsson Associates updated Ashland's wastewater treatment plant facility plan, which encompassed evaluating alternatives for upgrading the existing treatment plant. Olsson recommended a new system that reduces the volume of biosolids (sludge) and reduces overall capital expense, as well as operation and maintenance expenses associated with a treatment system. Ashland is one of the first cities in the state to incorporate this process.

Category F: Baker & Associates
"Torrington Correctional Facility Utility Corridor"
Client: The City of Torrington, Wyoming

In 2005, a new medium security correctional facility was constructed northeast of Torrington, Wyoming. Baker & Ass ociates was awarded the task of getting city water and s ewer utilities to the site - 2.5 miles from the edge of town. The utility corridor dissected thousands of feet of rolling sand hills and even the main runway at the Torrington Municipal Airport.

2010 MERIT AWARDS

Category F: Baker & Associates
"Torrington Correctional Facility Water Treatment and Storage Tank"
Client: The City of Torrington, Wyoming

The correctional facility is located approximately 2.5 miles northeast of Torrington City in a remote geographical area. To supply water to the new facility, the City extended their existing water delivery system to the site. Using the City's water supply, created two major concerns. First, the potential maintenance problems associated with the high level of water hardness in the City's groundwater supply and second, the detection limit standard for Radon in public water supplies. This project addressed both of these issues with the construction of a new water treatment facility at the correctional facility site

Category F: HDR Engineering
"12th & U Street Water Mains"
Client: The City of Lincoln, Nebraska

HDR provided the City of Lincoln with planning, design and bidding phase services for the water main replacement project. The project included over 2,500' of directionally drilled water pipelines and service reconnections along the University of Nebraska "Walk of Fame" and adjacent to Hamilton and Morrill Hall as well as Memorial Stadium.

Category G: Olsson Associates
"Glen Cunningham Dam, Reservoir and Recreation Area Improvements"
Client: Nebraska Game and Parks

Olsson Associates implemented in-lake and watershed treatments to improve the water quality and designed a complete aquatic habitat restoration and also designed and oversaw the excavation of accumulated sediment and the construction of a labyrinth weir to control sediment and prevent pollutants from reaching the enhanced lake.

2010 MERIT AWARDS

Category G: Olsson Associates
"South Sioux City Flood Plain Management"
Client: The City of South Sioux City, Nebraska

FEMA plans had included a large portion of South Sioux City in a 100-year floodplain, with a significant portion deemed a floodway because of the Old Silver Lake Creek, a concrete lined drainage channel that drains to the Missouri River. Olsson Associates solution greatly reduced the affected area. The solution required the removal of 190,000 CY of dirt to create five retention areas along the

Category H: HWS Consulting Group
"East Adams Improvements"
Client: The City of Lincoln, Nebraska

This project completed the last segment to make Adams Street a complete arterial roadway from 48th through 90th Streets. The 6,500 linear-foot project included concrete paving, traffic signals, storm sewer, water main, erosion control, utility relocation and striping. This project improved safety and the area's overall infrastructure, provides travelers with alternate routes, and helps alleviate congestion in other locations.

Category H: Schemmer Associates
"72nd Street, I-680 to N-36"
Client: Douglas County

As development continued north of 72nd Street, additional traffic volume would likely increase accidents if improvements weren't made. This project provided improved safety and a new bike trail with minimal access delays and impacts to adjacent property. The project increased the stopping sight distance and shoulder width and clarity, protected foreslopes, enhanced driveway alignments, created landscape-friendly retaining walls, and brought overall economic improvements to the area.

2010 MERIT AWARDS

Category I: Schemmer Associates
"MOPAC Trail Bridge"
Client: The City of Lincoln, Nebraska

The MOPAC Trail Bridge provides a vital and safe connection to the existing trail on the east and west sides of heavily-traveled North 27th Street. The bridge and approaching trail features a smooth-as-silk surface, providing trail users with a unique outdoor recreational experience. With a unique arching top chord, this signature truss span lifts to a higher level the ongoing revitalization efforts of this growing area.

CategoryI: Lamp Rynearson & Associates
"Omaha South High - Collin Stadium"
Client: Omaha Public Schools

Lamp, Rynearson & Associates was the exclusive provider of civil engineering services, including athletic facility and site plan design, for this redevelopment project. One of the key project goals was to design a soccer field to potentially host the annual Nebraska State High School Soccer Tournament that could also be used as a football field. Project plans also included a refurbished 400-meter running track around the field.

Small Project Category: URS Corporation
"Zebra Mussel Eradication"
Client: Offutt Air Force Base

Zebra mussels, one of the most costly invasive species in the US, were identified in Lake Offutt, Offutt AFB, in 2006. By 2008, zebra mussels were present on virtually every hard surface within the lake. URS Corporation was contracted eradicate the zebra mussel population. The successful treatment included applying copper sulfate pentahydrate to the lake, monitoring the efficacy of the treatment, and installing a dewatering well to manage the lake volume and reduce overflow potential.

2010
PUBLIC RELATIONS AWARDS

ACEC/Nebraka's Public Relations Committee's mission is to promote and enhance the image of our engineering companies. We're proud of the contributions made by our industry members and we want to raise awareness about their many talents and professional abilities.

- Charles Durham Achievement Award
- Young Professional of the Year Award
- PRIDE Award

CHARLES DURHAM ACHIEVEMENT AWARD

Roger Wozny
Schemmer Associates

Roger J Wozny of the Schemmer Associates has been selected to receive the 2010 ACEC/Nebraska Charles Durham Achievement Award. The award was established in 2009 to recognize outstanding individuals who have contributed significantly to the engineering profession through their leadership role in ACEC/ Nebraska, professional societies, and community service organizations.

Roger Wozny has over 38 years in private engineering and is vice president of the Schemmer Associates. He joined the Schemmer Associates as its first electrical design engineer and has served in many leadership capacities for the organization including President and Chair of the Board of Directors. Roger is involved in the day-to day activities of doing business as part of the federal and life care market and project development teams. Roger has shown a visible dedication to his profession through many professional societies, volunteer service and mentoring of young professionals. Roger's active leadership and accomplishments and support of the professional ideals are continuous and enduring over the entire spectrum of his career.

The Charles Durham Achievement Award was created to honor Charles Durham's leadership in the engineering profession and his community stewardship through civic involvement. Durham served as chairman and CEO of Henningson, Durham and Richardson, (HDR) the international engineering and architectural firm headquartered in Omaha. Over the years, he and his wife Marge were active in their community serving in leadership roles with many community organizations and donating millions of dollars to worthy causes.

2010 YOUNG PROFESSIONAL OF THE YEAR AWARD

Joe Zadina
Lamp, Rynearson & Associates

The 2010 award goes to Joe Zadina, PE, a Civil Engineer at Lamp, Rynearson & Associates, Inc, Omaha, Nebraska. Joe is a key member of Lamp Rynearson's team and a project engineer for some noteworthy projects including UNO College of Business- Mammel Hall, ONO Student Housing, UNL Recreation Sports Courts Reconstruction, the recent Sarpy County Ballpark Development Project, and many Omaha Public Schools athletic facilities, most recently the Collin Stadium at Omaha South High School.

Joe is a licensed Professional Engineer in the State of Nebraska with a B.S. in Civil Engineering from UNO and a Masters Degree in Business Administration from Bellevue University. Joe achieved his MBA while working full-time and caring for his wife and two young children. Joe serves as coordinator and volunteer for Habitat for Humanity workdays, Special Olympics track and bowling events, the Salvation Army bell ringing and Adopt-A-Family, the Open Door Mission Back-To-School Bash and Christmas Toy Drive, and Schramm Park clean-up. In addition, Joe has served as a math mentor for students at Boys Town for the past five years.

2009 YOUNG PROFESSIONAL OF THE YEAR AWARD

Craig Reinsch
Olsson Associates

Last year's ACEC/N winner, Craig Reinsch, PE, Civil Engineer and Office Leader at Olsson Associates (OA) in Lincoln, Nebraska, was selected as one of the 5 Young Professionals of the Year in the national competition. Craig's accomplishments will be recognized at the ACEC National Fall Conference in Puerto Rico this October.

The Public Relations Committee of the American Council of Engineering Companies/Nebraska (ACEC/N) has announced the winners of its 2nd Annual Public Relations Awards Competition's **P**ublic **R**elations, **I**mage **D**evelopment and **E**nhancement (PRIDE) Award.

PRIDE GRAND AWARD and CATEGORY 3 - GOLD PRIDE AWARD

HDR ENGINEERING

HDR Engineering (HDR) was named the ACEC/N 2010 PRIDE GRAND Award Winner for its "Drinking Water Operations Treatment & Distribution Wall Chart." Submitted by Suzanne Putnam and the HDR Engineering Team, the winning entry was also named the ACEC/N 2010 PRIDE GOLD Award Winner in the Marketing/Branding/Image Enhancement/Campaigns category.

Submitter: Suzanne Putnam and the HDR Engineering Team

CATEGORY 2 - GOLD PRIDE AWARD

SCHEMMER ASSOCIATES

The Schemmer Associates Inc. (Schemmer) was named the ACEC/N 2010 PRIDE GOLD Award Winner in the Events category for its 2009 comprehensive marketing/anniversary initiative, "Schemmer: Proudly Celebrating Our First Fifty Years." The winning entry was submitted by Julie Gasper and the Schemmer Marketing Team.

CATEGORY 3 - AWARD OF EXCELLENCE

PRIDE AWARD

LAMP, RYNEARSON & ASSOCIATES

Lamp, Rynearson & Associates, Inc. (Lamp Rynearson) was named an ACEC/N 2010 PRIDE **Award of Excellence Winner** in the Marketing/Branding/Image Enhancement /Campaigns category for its 2009 comprehensive marketing/anniversary initiative, "50 Years and Still Cruising." The winning entry was submitted by Leslie Peterson and the Lamp Rynearson Marketing Team.