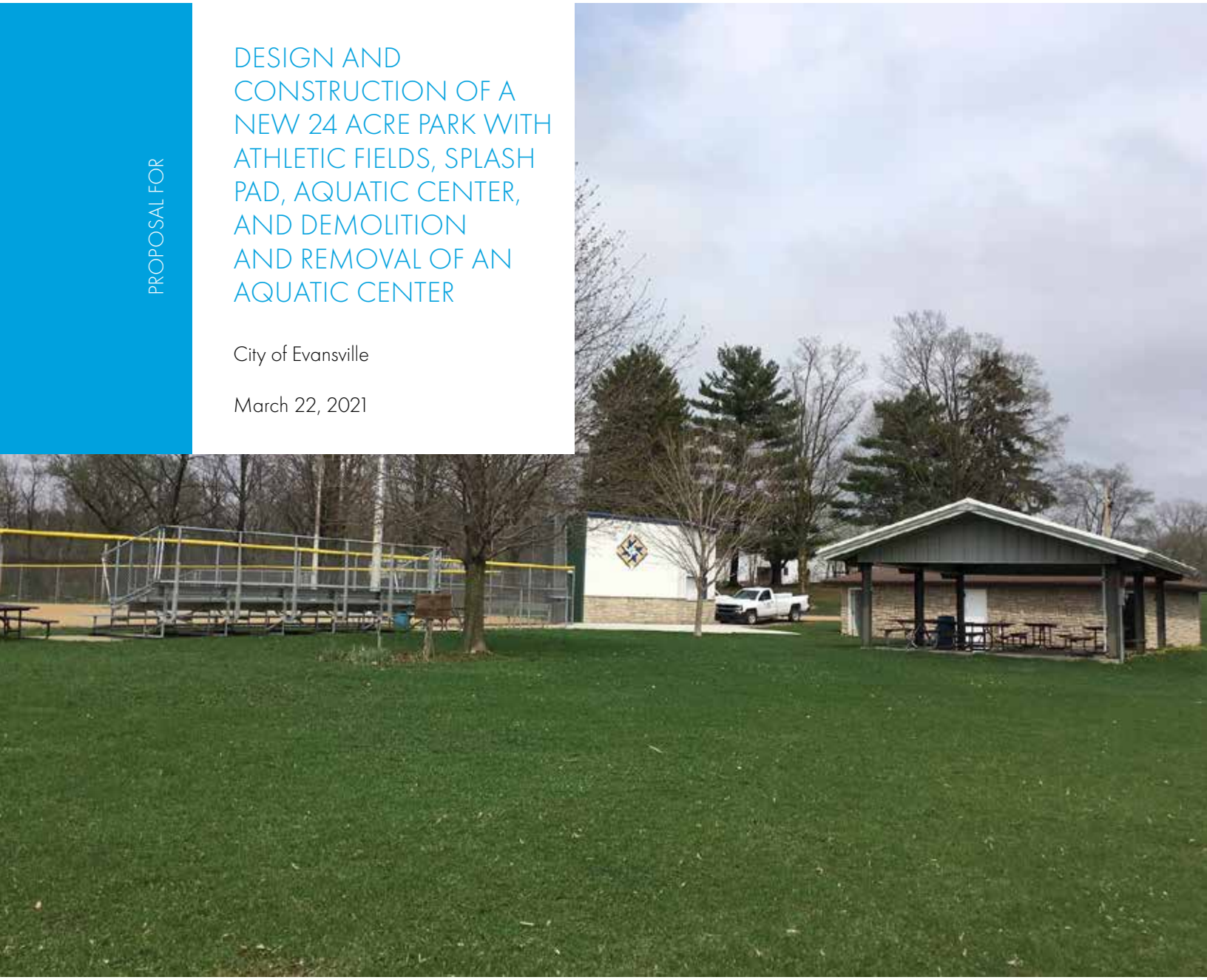
Mead & Hunt

PROPOSAL FOR

DESIGN AND CONSTRUCTION OF A NEW 24 ACRE PARK WITH ATHLETIC FIELDS, SPLASH PAD, AQUATIC CENTER, AND DEMOLITION AND REMOVAL OF AN AQUATIC CENTER

City of Evansville

March 22, 2021



MARCH 22, 2021

Jason Sergeant
Community Development Director
City of Evansville
31 S Madison Street
PO Box 529
Evansville, WI 53536

Subject: Design and Construction of a New 24 Acre Park with Athletic Fields, Splash Pad, Aquatic Center, and Demolition and Removal of an Aquatic Center

Dear Jason Sergeant,

Having worked with the City to develop the West Side Park Master Plan, the Mead & Hunt team is excited at the opportunity to again assist the City in making the plans become a reality. We understand the importance of preserving a unique piece of the community's history while at the same time accommodating the community's growing recreation needs.

The National Register-listed Leonard-Leota Park is unique in that its programming contains both vintage and modern amenities. Our team of design experts will seamlessly integrate the public's desire for a splash pad and improve upon an important part of the active programming in Leonard-Leota Park. West Side Park is to be Evansville's recreation heart. Components of the project related to:

- Design and construction of a new outdoor aquatic center.
- Road and parking improvements to serve the new aquatic center and park.
- A central bicycle and pedestrian trail connecting neighborhoods.
- Additional interconnecting loop trails
- Improved athletic fields.
- Concession facilities, washrooms, and other pavilions to serve park programming.
- Community garden plots.
- Extensive landscaping and hardscaping to beautify and create a lasting impact.
- Improved Playgrounds and public gardens.

Our project team has a diverse portfolio of recent work in aquatic centers and recreational field design and construction of diverse facilities. Mead & Hunt is both familiar to the City and specifically aligned with our partners to lead this project. Water Technology, Inc. (WTI), is largest aquatic design firm in North America, and Point of Beginning, Inc. (POB), is a leader in in the design and construction of athletic facilities. to best deliver this important project. Moreover, this team is from the Madison area to best deliver your project.

We are committed to engaging the public in design of their parks and facilitating decision making by the community for the community. Our discipline experts will engage the public in a variety of formats to maximize public input and park ownership. Our team will turn resident input and feedback into immediate designs and alternatives to bolster the attractiveness and usefulness of this Evansville community asset. And our approach combines a comprehensive design process with consistent coordination with the staff, elected officials, and stakeholders to create a successful project.

Our team is committed maintaining the schedule we have outlined in the proposal and are further committing our team and resources for the duration of the project. Mead & Hunt accepts the requirements of the City's RFP, and we look forward to the opportunity to work in partnership with you on this project.

Sincerely,
Mead & Hunt, Inc.

Rusty Chesmore, PE
Project Manager/Authorized Signer

Brian Carranza, AICP, ASLA
Client Manager/Landscape Architect

CONTENTS

SUMMARY OF QUALIFICATIONS

FIRM BACKGROUND AND HISTORY

Firm Legal Name:
- Mead & Hunt, Inc.

Year Established:
- 1900

Type of Business:
- Corporation

Ownership Structure:
- Employee-owned, there is no proposed change in ownership for Mead & Hunt.

What we do best:
- Municipal and civil engineering
- Water resource engineering
- Architecture
- Transportation
- Municipal planning
- Urban planning and design
- Environmental projects
- GIS and mapping
- Historic preservation

WHO WE ARE

Mead & Hunt, Inc. is an employee-owned architectural and engineering firm with nearly 900 professional, technical and support staff in more than 40 offices nationwide. We have been serving clients in both the public and private sectors since our founding in 1900.

INNOVATIVE

To meet our country's aggressive and changing needs, Mead & Hunt is continually expanding to offer innovative engineering and design services to meet a multitude of challenges. Annually, we are nominated for and win industry and trade awards for the creative solutions we provide clients.

RESPONSIVE

Effective and responsive service is what we do best. Strong two-way communication is imperative to the success of our projects and we place the utmost importance on listening to and understanding our clients' needs. Together we determine the best possible solution in the most expeditious fashion. The depth of our staff allows us to complete many projects simultaneously and keep projects on schedule and on budget.

EXPERIENCED

Our record of successful project execution and ability to provide continuity and quality of service is important. Our multidiscipline teams provide top-of-the-line architecture, engineering and scientific solutions for the most challenging projects. Mead & Hunt's principals are highly qualified, dedicated and fully involved in providing experienced leadership in undertaking any project.

We recognize that while many communities face similar challenges, each is truly unique. Mead & Hunt believes there is no "one-size-fits-all" approach to community projects. Our experienced planning staff focuses on the needs of each individual client. We'll work with you to create a distinctive action plan to address your specific issues and concerns. We match design and planning solutions with implementation measures, from zoning and municipal code updates to marketing plans and accompanying materials to funding through tax increment financing or available public funding programs.

We customize our approach, develop innovative solutions and build lasting relationships in the process. We work side by side with stakeholders and decision-makers and encourage community participation. In the end, your success is our success.

SUBCONSULTANTS

WATER TECHNOLOGY, INC. (WTI)

The WTI's team is a highly qualified group of individuals comprised of creative architects, landscape architects, engineers, designers, business developers and administrators, all with a passion for aquatics. Together, they combine their talents to develop original, aquatic facilities from concept to reality. In addition, WTI maintains solid relationships with other consultants and contractors and continues to set the standards in the aquatic industry across the United States and around the world.

Company Details

- Established in 1983
- Largest Aquatic Design Firm in North America, more than 60 specialized aquatic professionals staff
- Quality control implementation
- Collaborative team process
- International portfolio

WTI Advantages

- Solution driven planning and philosophy
- Two-way sharing process between WTI and client
- Forward-looking designs that support dynamic community programs
- Over 150 aquatic projects per year
- Historical database of cost estimates and realistic timelines

Extensive Portfolio of Projects of Varying Venues

- Waterparks
- Resort and hotel pools
- Competition pools
- Faith based community centers
- Water playgrounds
- Public facilities
- Therapy and wellness pools
- Schools and universities

AMERICAN ENGINEERING TESTING, INC. (AET)

AET is an employee-owned corporation providing geotechnical, environmental, construction, and forensics consulting and testing services to public and private sector clients in a broad spectrum of industries. Founded in 1971, they embrace hands-on participation of principals and senior-level personnel in daily project work. This experienced perspective enhances the quality and timeliness of their services and strengthens the overall ability of project team members to succeed in meeting client and project needs and contributing to overall project success. AET is be providing geotechnical services for Evansville's West Side Park and Leonard-Leota Park projects.

POINT OF BEGINING, INC. (POB)

POB is a multi-faceted civil engineering, land surveying, landscape architecture, and materials testing firm based in Stevens Point with branch offices in Green Bay and Sun Prairie, Wisconsin. They offer affordable and industry-leading services to the public and private sectors, encompassing athletic facilities, K-12 education, higher education, healthcare, retail, commercial, residential, industrial, municipal and transportation. Their talented and experienced staff encompasses professional engineers, professional land surveyors, professional landscape architects, field crews, CADD technicians and an integral administrative staff. These individuals complement one another by combining backgrounds in diverse areas of expertise. Their state-of-the-art computer equipment minimizes human handling errors, thus providing data integrity and improved efficiency.

The success of their business is largely a result of customer satisfaction achieved through superior affordable service, extra attention to detail throughout our operations, and extensive experience in this industry. The multi-disciplined and integrated services they provide enable them to focus on their customer's specific needs and requirements. Their staff is dedicated to delivering your project on time and on budget.

SIMILAR PROJECTS

WEST SIDE PARK DEVELOPMENT PLAN

CITY OF EVANSVILLE – EVANSVILLE, WISCONSIN

The West Side Park is important to the Evansville community as it serves both local and regional users. The park currently features picnic areas and playground that provide passive recreation while the competitive sport fields attract outside user groups like the Evansville Soccer Club. Mead & Hunt worked with the City of Evansville to develop and vet several concepts for future expansion of this park to serve the needs of user groups and better align with the City's Smart Growth Plan. As part of the design process, Mead & Hunt met with city staff to help determine an overview of issues, key findings and intended outcomes of the project. We performed site analysis, base-mapping, conceptual design and cost estimation for construction of proposed park facilities. We also provided a comprehensive review of the capabilities of the land, investigation of what's being implemented in surrounding communities and development of phasing for implementation which addresses community needs now and in the future. Three conceptual plans were designed for the park that included the addition of a turf soccer field, basketball court, baseball/softball diamond, parking lot, ADA accessibility and play area.

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RIVERFRONT PARK MASTER PLAN AND COST ESTIMATES

CITY OF STERLING – STERLING, ILLINOIS

Mead & Hunt was hired by the City of Sterling to assist with the implementation of the City's Riverfront Master Plan by preparing design concepts, 3D renderings and cost estimates for the construction of Riverfront Park. Riverside Park is a partially developed 18-acre brownfield located in the City's former industrial corridor along the Rock River. As the site transitions from its industrial roots back to its natural state, the City has funded implementation for portions of the site to build community anticipation for its future full build-out and afford access to the riverfront.

The site provides unmatched views of the Rock River, Lawrence Park Island, and the adjacent City of Rock Falls shoreline. To capture these views and activate the site, the Mead & Hunt team redesigned the site to include both an urban riverwalk and a passive/natural riverfront shoreline with overlook points ideal for bald eagle watching during mating season on the river. The site was programmed to include an innovative skating ribbon and ice rink, fire pit, splash pad, east and west community lawns for recreation and gathering, several areas for memorial/art installations, an amphitheater/pavilion, and an area for natural plantings and a city garden. A portion of the site was reserved for future commercial/office development to preserve some tax base and provide a transition to adjacent heavy industrial areas.

Delivery included a final park concept, alternative memorial/art installation locations, a three-part initial phasing plan and cost estimates for construction. Promotional materials and 3D renderings were generated to raise funds for additional development of the site.

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TEN CLUB PARK DESIGN & CONSTRUCTION

VILLAGE OF WATERFORD – WATERFORD, WISCONSIN

Mead & Hunt was hired to guide the Village through the design of an approximately 6-acre public park along the Fox River. The site is centered on a new, multi-functional park shelter, also designed by Mead & Hunt. The new shelter is innovative, designed with a sledding hill off the rear and an overlook off the front which provides views to both the river and the new play stream. The Play Stream is a splash pad concept that winds through vegetation and hardscaping providing an immersive and educational water activity. To complement the sledding hill, the design also includes a 50' x 100' ice skating rink under a timber shelter. This complementary programming offer use of the park throughout the year. Other design features placed throughout the park include a one-half-mile multi-use trail, a beer garden, swing benches, a formal lawn and event space, two gas fire rings – one at the ice-skating rink and one within a new arboretum on the shores of the river – decorative pavement designed to mimic the eb and flow of the river, and bioswales to filter stormwater. Mead & Hunt also performed a flood study to support the new park design.

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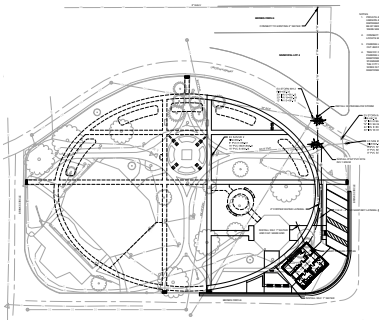

CENTRAL MEMORIAL PARK DESIGN

CITY OF STERLING – STERLING, ILLINOIS

The City of Sterling is a northwest Illinois community of 15,000 located on the Rock River. Mead & Hunt—in partnership with Schaefer Land Design—was asked to assist the City with redesign of Central Memorial Park to better serve residents and visitors. This 1.65-acre park is located in the heart of downtown and serves as the hub of community events and activities.

Currently, the park is primarily used for programmed activities rather than regular, daily visitation. The Grandon bandshell hosts weekly summer concerts put on by the City band and regular movie nights for families, with hundreds participating in each of these activities. The site also hosts a regular farmers market, wedding ceremonies and community festivals. However, infrastructure upgrades are needed for the park to truly achieve its potential in service of the community. There are no restroom facilities, picnic spaces or gathering area. During events, vendors locate in a jumbled pattern intended to not impede pedestrian circulation while still having access to electrical power.

The project team developed a series of design alternatives that focused on enhancing the bandshell experience, while reprogramming other areas of the park to improve special events and increase daily usage.

- Reoriented pedestrian walkways to continue the downtown grid pattern through the park and create articulated areas for various activities while providing safe connections to surrounding blocks.
- A new facility is proposed to house restrooms, concessions and storage.
- A zero-depth water feature with intermittent founts provides a unique architectural design element available for viewing or child play.
- A multi-use, paved court is used to organize food trucks and farmers market vendors, complete with electrical power service.
- An enhanced seating area for the bandshell that includes an architectural shade structure and grass sitting area for family picnics.
- Improved, energy-efficient ornamental LED lighting.

Finally, urban design improvements were provided for the blocks surrounding the park to improve access, traffic and pedestrian circulation, and parking.

Cost estimates and a phasing strategy were also provided for capital improvement programming and budgeting.

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DOLPHIN'S COVE AT PRAIRIE ATHLETIC CLUB

PRAIRIE ATHLETIC CLUB – SUN PRAIRIE, WISCONSIN

Prairie Athletic Club added this new outdoor addition to their popular indoor club facilities. The club's $3 million water park offers 36,000 square feet (SF) of water activity space, over 800 feet of high speed slide and a Lazy River that doubles as a tube ride during summer afternoons and evenings, and an adult water fitness option during summer mornings. The Lazy River fitness walk is a great new fitness option that doubles as fun for kids and adults alike!

The water park also offers a child interactive play area featuring water slides and over 30 interactive water play options. This includes an attraction that dumps 250 gallons of water on the participants from a height of 20 feet every 10 minutes!

In 2013, the Prairie Athletic Club added Adventure Lagoon, complete with Aquatic Climbing Wall, zip line, flume slide and basketball.

Amenities

- 2,313 SF "Angel Fish Falls" interactive play area
- 630 SF "Dragon Bay Water Walk" activity area
- "Sea Serpent" pad and water walk
- 245 LF "Sea Turtle Trail" Lazy River
- 742 SF plunge area
- 205 SF "Octopus Lagoon" whirlpool
- "Barracuda" speed body slide
- "Porpoise" plunge body slide
- (2) Water basketball hoops
- Koala SCS interactive play structure

Awards / Features

- Architectural Showcase, Athletic Business, June 2005
- Innovative Architecture and Design Highlight, Recreation Management, May/June 2005

WTI WATER TECHNOLOGY INC.

Awards

Lincoln Park:

- MANDI (Milwaukee Awards for Neighborhood
- Development Innovation, LISC, 2010
- Recognized for Outstanding Aquatic Facility Design by Wisconsin Park and Recreation Association, November 2009

Projects

- David F. Schulz Aquatic Center at Lincoln Park
- Carver Park Family Aquatic Center
- Cool Waters Aquatic Center at Greenfield Park

MILWAUKEE COUNTY PARK PROJECTS

MILWAUKEE COUNTY PARKS – MILWAUKEE, WISCONSIN

The Center for Urban Initiatives and Research at the University of Wisconsin – Milwaukee (CUIR) was commissioned by Milwaukee County Parks in 1995 to provide a study of targeted aquatic facilities as well as a recreational survey of area residents. This survey resulted in the evaluation and renovation of some facilities such as Cool Waters in Greenfield Park, and the water playground in Carver Park.

In order to complete the Aquatics Vision, WTI was commissioned in 1999 by Milwaukee County Parks to develop an Aquatics Masterplan for the entire county. The process included the evaluation and inventory of 15 outdoor and 3 indoor community aquatic facilities and the integration of these facilities into a comprehensive system for the future.

The construction at Lincoln Park began in June 2008 and held its grand opening in June 2009. The center is named after former County Executive and Milwaukee County parks director who championed the waterpark concept in the 1980s, David F. Schulz. The team, comprised of WTI and Graef, Anhalt, Schloemer & Associates, Inc., worked closely with the County staff, residents and regulatory agencies, providing the leadership and participatory framework through the design process.

WTI
WATER TECHNOLOGY INC.

SKOKIE PARK DISTRICT - DEVONSHIRE AQUATIC CENTER

SKOKIE PARK DISTRICT – SKOKIE, ILLINOIS

The Spraypad at the Devonshire Aquatic Center was part of a total aquatic renovation project by the Skokie Park District in 2009. The new addition is welcomed by Park District residents who are looking for an alternative to cool off during hot summer days.

The 1,850 SF circular area includes a multitude of spray and splash amenities providing safe and fun water play alternatives to the pool. Youngsters can enjoy standing under the falling water of the Rain Forest feature, or running through a Water Tunnel made up of arching geysers. Other features in the water play area include a Plux Arch and brightly colored loops (Orbit) that spray water. The play environment design is completed with a large Funbrella, offering a shade option for guests looking to get out of the sun, but still be in close proximity to the play area.

The splash pad was completed in 2009, in conjunction with the Skokie Park District.

WTI
WATER TECHNOLOGY INC.

GRANDVIEW HEIGHTS MUNICIPAL POOL

CITY OF GRANDVIEW HEIGHTS – GRANDVIEW HEIGHTS, OHIO

After 40 years the beloved aquatics facility at First Avenue Park in Grandview Heights had fallen into disrepair, leaking 5,000 gallons of water per day. Understanding that the nature of the mechanical damage meant repairs were not financially viable, the city and community agreed to a lodging tax that would provide the $6 million needed to replace the existing aquatics facility with something comparable. WTI partnered with a local architecture team to provide design and engineering services to replace the existing aquatics while maintaining the familiar amenities that appeal to families and swimmers alike.

First Avenue Park's bifurcated design separates swimmers and families into two distinct spaces for convenience and safety. Families will appreciate the zero-depth entry wading pool for infants and toddlers with interactive features like geysers, and wall sprays. Adjacent to the zero-depth entry pool is a two-story waterslide with dual slide flumes for side-by-side racing. Both features connect to a large 6,500 SF leisure pool, ideal for cooling off on a hot summer day. Swimmers will notice the larger 5,900 SF 8-lane lap pool an improvement over the prior smaller lap pool. Adjoining the lap pool is a dedicated diving well with two 1-meter diving boards, and one 3-meter diving board.

Both the Grandview Heights community and critics agree that First Avenue Park is a success being featured in Athletic Business as the 2019 Aquatic Design Portfolio Feature.

Amenities

- 5,900 SF 25-yard, 8-lane lap pool, separate diving well
- 2 1-meter diving boards
- 1 3-meter diving board
- 6,523 sf leisure pool
- 5 geysers and wall sprays
- 2 slide fumes
- Zero-depth entry
- Separate wading pool for toddlers

Awards

- Aquatic Design Portfolio Feature, Athletic Business, 2019

WTI
WATER TECHNOLOGY INC.

Amenities

- 3,148 SF zero depth entry
- Interactive play structure
- 216 Lf inter-generational river pool
- Wave channel
- Deep water pool
- Underwater bench
- Inner tube flume into river
- Body flume

Awards

- 2015 - Aquatic Design Portfolio - Athletic Business

BRIGHTON OASIS FAMILY AQUATIC PARK

CITY OF BRIGHTON – BRIGHTON, COLORADO

WTI was hired to complete the final design, assist with the construction/bid documents, and construction administration of the Brighton Outdoor Family Aquatic Center. A concept design and programming had previously been completed for the new facility. Doug Whiteaker of WTI worked closely with the park and recreation staff in the creation of the current plan when he was with a different firm, therefore, our understanding of the project is unique. We are very familiar with the original design intent and the history behind the decisions that were made in 2003.

The new site is smaller and presented some challenges which required review of the program elements, sizes, and required site area. Our team dove right in to understand the modifications and advances to the original 2003 program. An initial public meeting was held to gather input from the community, which was use in conjunction with working with the design committee to develop schematic designs.

The aquatic facility was constructed in three phases, including the leisure phase and the lazy river phase. The final phase will be an indoor competitive pool. The project is intended to be designed and constructed to achieve LEED Silver certification. The Brighton Oasis Family Aquatic Park consists of two pools, the leisure pool providing an expansive zero depth entry with integral play features and a moderate water depth social and program zone, and an inter-generational river pool with deep water activity zone. A future competition lap pool may be located on site in the future.

WTI
WATER TECHNOLOGY INC.

RIVERSIDE PUMP STATION STORMWATER MANAGEMENT IMPROVEMENTS

CITY OF MILWAUKEE WATER WORKS – MILWAUKEE, WISCONSIN

To improve the quality of the watershed district, the City of Milwaukee Water Works (MWW) Department is working in cooperation with the Milwaukee Metropolitan Sewerage District (MMSD). Mead & Hunt provided design services and construction administration services to MWW for storm water improvements to their Riverside Pump Station. This project is funded by Green Solutions for Separate Infrastructure & Sewer Separation, the MMSD'S new incentive program. This program supports the MMSD's Wisconsin Pollutant Discharge Elimination Systems permit goals of:

- Increasing green infrastructure capture by one million gallons during each year of the permit
- Provide flood management benefits
- Reducing nonpoint source pollution

To be eligible to receive funding, the project must meet certain goals related to integrated watershed management. Under Mead & Hunt's guidance, the design and construction of the stormwater improvements will satisfy the requirements set forth by the incentive. The finished pump station storm water improvement project will reduce pollutants which drain into the Milwaukee River, promote infiltration and reduce the risk of flooding at the pump station. The project itself consists of permeable asphalt pavement and bioretention areas within strategic locations surrounding the pumping station. A riprap-lined overflow channel will also distribute stomrwater into the Milwaukee River during a major storm event.

Mead & Hunt provided technical information to MWW who in turn provided that information to the MMSD for the funding application. As a condition from the MMSD, Milwaukee has agreed to maintain the project for at least ten years after construction is complete in order to show that the stormwater improvements perform their intended functions. Mead & Hunt also assisted MWW with a final summary report for how the project fulfilled the MMSD's Green Solutions goals.

While this is only one example of incentive-based funding, it is truly a viable option for any county, city, municipality or district to explore when looking to update infrastructure with an environmentally-friendly twist.

2017 WI ASCE Project Achievement Award Winner

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STORMWATER MANAGEMENT

OAKWOOD VILLAGE WEST RETIREMENT
COMMUNITY – MADISON, WISCONSIN

For several years, Mead & Hunt has enjoyed a rewarding relationship with Oakwood Village, a continuing care retirement community in Madison, Wisconsin. Knowing they could trust Mead & Hunt to improve their storm water quality, Oakwood leaders and residents asked the team to create a plan that would also save their drowning conservancy.

The situation

Their unique urban campus is nestled among soaring oaks and pines. Each spring, a natural "vernal" pond runs through the area, drying up later in the season. But ongoing construction was causing spilling runoff into the pond, causing it to remain flooded. The rising water level was also spreading into the trees' boundaries, causing many to drown. More than saving the treasured trees, the team was equally determined to preserve the therapeutic benefits the conservancy provided to Oakwood's residents—many of whom have disabling illnesses and memory loss.

The solution

Because the area was designated as a wetland, dredging was not an option. The team looked upstream of the vernal pond and built a storm water detention and sediment reduction area, naming it "The Environmental Protection Pond."

With help from the Wisconsin Department of Natural Resources (WDNR), consulting arborist Bruce Allison, and the Oakwood Village Grounds Committee, the Mead & Hunt team exceeded the project's goals.

The value-added benefit

Not only did the team improve storm water quality, they successfully rescued the drowning trees by reducing the velocity of runoff flowing through the conservancy. As an added bonus, the team created a handicapped-accessible walking path that meanders along the pond shorelines, making it accessible to every resident and visitor.

PUBLIC MARKET DESIGN & CONSTRUCTION DOCUMENTS

CITY OF STERLING – STERLING, ILLINOIS

Mead & Hunt was hired to assist the City with the design of an expansion of the Sterling Public Market. The 2.6-acre site will be home to a flexible outdoor event space, centered on a 200-foot long covered walkway. Design focused on encouraging productive and adaptable event space, improving walkability both within and across the site, incorporating accessible design standards (per ADA guidelines), and ensuring a "park like setting" by screening harsh adjacent site conditions (primarily the railroad to the south). Mead & Hunt developed three alternatives for the project, while consulting with City staff and decision making bodies. Key design elements include a mountable, rolled curb plaza space for vendors, an at-grade plaza space to improve pedestrian circulation from the adjacent indoor market while allowing for EMS access, and traffic calming and pedestrian friendly infrastructure at crosswalks. Cost estimates and a phasing strategy were also part of conceptual design. Mead & Hunt is currently developing construction plans for implementation in 2019.

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LENIGAN CREEK AND TURTLE CREEK TRAIL DESIGN

CITY OF BELOIT – BELOIT, WISCONSIN

Mead & Hunt designed two bike trails in the City of Beloit: the Lenigan Creek Trail and the Turtle Creek Trail.

The Lenigan Creek Trail was designed to link three community-populated areas along the city's northwest side. The trail follows both on- and off-street alignments. Mead & Hunt conducted archaeological and environmental investigations and completed the environmental document. Social justice, park and recreation land issues were addressed, and easements and right-of-way determinations were made. Mead & Hunt developed pavement sections, drainage, alignment and profile, lighting and signing and traffic safety plans. The trail also crosses Lenigan Creek which required hydraulic calculations and the design of the creek crossing structure as well as coordination with the permitting agencies.

The Turtle Creek Trail was designed to extend an existing bike trail, linking it with two city parks, a commercial area and residential neighborhoods on the city's near southeast side. The trail primarily follows an off-street alignment and parallels an active railroad corridor. As with the Lenigan Creek Trail, Mead & Hunt conducted archaeological and environmental investigations and completed the environmental document. Social justice, park and recreation land issues were addressed, and easements and right-of-way determinations were made. We completed trail design and construction plans and specifications development. This project also required agency coordination with the railroad and other agencies for required approvals.

Additional Mead & Hunt services provided for both projects included public involvement, hazardous materials investigations, and parks and recreational land enhancement.

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STH 96 URBAN RECONSTRUCTION

WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION – VILLAGE OF WRIGHTSTOWN, BROWN COUNTY, WISCONSIN

Safety was the key concern for this $22 million reconstruction project which is located in the heart of downtown Wrightstown. Since STH 96 connects downtown to the local Wrightstown schools, designing bicycle and pedestrian accommodations including crosswalks was imperative. The design improved intersections throughout the village and a number of intersecting roadways.

Mead & Hunt provided design and environmental services for the reconstruction of 2.3 miles of urban roadway on STH 96. The project included a new 1,800-foot bridge over the Fox River with roundabouts at each end of the bridge. In addition, Mead & Hunt coordinated with and designed improvements to the Wisconsin Central Ltd. railroad crossing on CTH DD to correct a vertical alignment issue that was causing low slung semi-trailer trucks to bottom-out.

Under this two-party contract with the Wisconsin Department of Transportation (WisDOT), Mead & Hunt completed several projects from 2012 to 2014. This includes an adjacent $1.4 million mill and resurface project, from the Village of Wrightstown to the Village of Greenleaf, that involved improving bicycle accommodations. Additionally, Mead & Hunt designed plans to expand a two-lane urban section from Turner Street to Shanty Road. Mead & Hunt provided a full complement of services for the overall multi-task project.

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SANDY BEACH REDEVELOPMENT & COST ESTIMATES

CITY OF LAKE MILLS – LAKE MILLS, WISCONSIN

The Sandy Beach Redevelopment project is located on the southern shore of Rock Lake in the City of Lake Mills. The City of Lake Mills retained Mead & Hunt to study the redevelopment of a 13.2-acre seasonal Manufactured Home Community (MHC) to address existing public health and safety concerns and to provide for improved utility and emergency access. During this investigation, existing traffic and parking conflicts between the MHC and the adjacent 14-acre recreational lakefront were uncovered. Addressing these conflicts in the study's scope required an examination of the circulation of the parking area, boat launch, and the recreational uses they serve. This examination, coupled with the potential opportunities afforded by a long-term refresh of the recreation area, led to the expansion of the study to include the Sandy Beach Recreational Lakefront area.

The redesign separates conflicting uses and grouping of common uses. The boat launch currently bisects the usable park space, and trailer parking and boat launch operations occupy much of the impervious parking area. To remedy this, the boat launch and trailer operations have been separated to the west of the site. This accommodates boat launch users and frees up considerable land for additional parking for beachfront users.

Finally, compatible entertainment and recreational uses have been grouped at the water's edge. The oversized dock harkens back to the water toboggin or high dive platform as a character-defining element on-site while also physically drawing people to the water. Rental cabins reintroduce the semi-permanent vacationer to the site. Removal of the boat launch from the center of the site also frees up space for one large beachfront, which aids in overall site maintenance. The design is also inclusive of, and sensitive to, known archaeological sites located within the project boundary.

Delivery included a final park concept, 3D renderings, cost estimates, a report and a presentation to the City Council. As the project moves forward with grant-funded construction, the Mead & Hunt team is spearheading additional grant-funded interpretive panels related to the archaeological sites as more is learned about them.

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LACY ROAD RURAL TO URBAN CONVERSION

CITY OF FITCHBURG – FITCHBURG, WISCONSIN

With a rapidly growing population, the City of Fitchburg sought to expand their transportation system to meet additional capacity needs. To accommodate this growth, Mead & Hunt designed improvements to Lacy Road, a minor arterial and a critical link to the City's transportation network. The project was initially met with much opposition from long-term residents who were worried about how the rural to urban conversion would affect them. To determine the most cost-effective, safe and cooperative design, our team prepared intersection control evaluations, developing alternatives for traffic signals, roundabouts and stop controls for conventional intersections. Input was gained using various methods, including online survey polls, public meetings and through the formation of a steering committee. This resulted in the decision to reconstruct 1.3 miles of Lacy Road to include 10-foot lanes and buffered bicycle lanes that connect to the new shared-use path, existing bicycle trails, businesses, homes and recreational areas. Due to the rural nature of the existing roadway, the 35 mph design speed was often exceeded by more than 10 mph. A new roundabout and infrastructure to accommodate dynamic speed message signs were installed to calm traffic and improve safety through the corridor. Raised medians were also installed to account for future capacity needs as the City continues to grow at a faster than average rate.

In addition to the roadway design, Mead & Hunt replaced an aging and under-capacity drainage system with a new, innovative storm sewer system that manages storm water under the new roadway. This eliminates future maintenance needs and the previously anticipated need for right-of-way acquisition, saving time and money. A substantial amount of overhead utility lines were buried underground, and the outdated, inefficient lighting throughout the corridor was replaced with new decorative LED lighting, making the area more visually appealing. The existing corridor was lined with beautiful mature oak trees that overhang the roadway. To preserve as many of these trees as possible, the design included extensive roadway alignment modifications.

The environmental document for this project was extensive and included hazardous material investigation, Section 106 Review, wetland delineation, Section 6(f) coordination and agency coordination. The project also included full topographic survey of the corridor as well as private property and right-of-way determinations. Acquisition of additional real property interests was required throughout the project limits to accommodate the proposed improvements.

2018 ASCE-WI Engineering Achievement Award Winner

2018 ACEC-WI Engineering Excellence State Finalist Award Winner

Contact:
Bill Balke
City of Fitchburg
608-270-4264
bill.balke@fitchburgwi.gov

WASTEWATER COLLECTION AND WATER DISTRIBUTION

TOWN ENGINEER FOR TOWN OF LEDGEVIEW

Mead & Hunt has been the Town engineer since 1993. As town engineer we were responsible for the design and construction oversight of over 60 miles of watermain ranging in sizes from 8" to 16" and over 56 miles of sanitary sewer ranging in size from 8" to 24". Work in the community also included booster pump stations for the water system along with pressure reducing stations, an elevated tank and ground storage tank, sewage lift stations and siphons.

VILLAGE ENGINEER FOR VILLAGE OF ALBANY

Mead & Hunt has assisted the Village of Albany with planning, design and construction service since 1995. Projects include sanitary sewer and watermain extensions, street design, storm water management, and finance assistance through grants and loans with WDNR programs.

SAUK PRAIRIE SEWERAGE COMMISSION

Mead & Hunt has provided on-call engineering service for the Sauk Prairie Sewerage Commission for more than 30 years. Projects have included sanitary sewer extensions ranging in size from 8" to 24", lift station design and construction, and wastewater treatment plant upgrades.

TOWN ENGINEER FOR THE TOWN OF SCOTT

As Town Engineer for the last 16 years, Mead & Hunt has completed several water system improvements including watermain extensions, metering stations, pressure reducing stations, chlorine addition stations, and well rehabilitation.

TOWN OF VIENNA ENGINEER

Mead & Hunt has been the Town's engineer for over 30 years. During that period, we have provided design and construction services for numerous sanitary sewer and watermain extension projects, lift stations, and various studies.

VILLAGE ENGINEER FOR VILLAGE OF WRIGHTSTOWN

Mead & Hunt provided engineering service for the Village which included the design of watermains and sanitary sewer, an elevated tank, street design and construction oversight.

REST AREAS 11 AND 12, I-39/90/94 FACILITY DESIGN

WISCONSIN DEPARTMENT OF TRANSPORTATION CENTRAL OFFICE – COLUMBIA COUNTY, WISCONSIN

Safety and space were the biggest concerns while redesigning Wisconsin's busiest rest areas — Rest Areas 11 and 12. During peak traffic periods, the existing eastbound and westbound rest areas incur heavy traffic and overcrowding causing safety concerns for the WisDOT. To improve safety, the WisDOT needed to increase the rest areas' capacity, making them the biggest rest areas in the state. Mead & Hunt provided a redesign of both the interstate exit and entrance ramps, truck and car parking lots and new, modern public rest areas.

Many alternative site designs were evaluated by listening to public comments, comparing them to design criteria and weighing them against environmental impacts. Mead & Hunt attended several community meetings to collect feedback on design alternatives and account for the majority's expectations and concerns in the final design. The site design chosen included storm sewer and detention ponds, sidewalks, high mast lighting including exit and entry ramp roadway lighting, pavement marking and signing. The project also met all roadway lighting design requirements per WisDOT standards with complete photometric representation.

Mead & Hunt worked closely with the Town of Dekorra and WisDOT in developing the waste water treatment plant and the final design. The waste water produced by the rest areas is now sent to a treatment facility constructed by the Town of Dekorra to reduce the number of failing septic systems. Through Mead & Hunt's work with both clients, an agreement was reached allowing WisDOT to contribute funds toward the new Waste Water Treatment Facility (WWTF). Mead & Hunt designed a collection system to connect to the Town's system.

In order to promote tourism in Wisconsin, a WisDOT design committee worked with Mead & Hunt's team of engineers and architects to develop an open and nurturing building with "prairie style" architecture. The low, sloped roofs and large overhangs, which provide additional outdoor protection for travelers, along with the building's base of stone and horizontal bands allow the new facility to blend into the sloped hillsides. The 10,000 SF precast building will be durable enough to last for decades. The metal roof, exterior stone and open glass areas provide an attractive and quality structure.

The State Patrol was provided an office and break room there to assist with patrolling of the Interstate. Travelers are treated to outdoor landscaped picnic areas, high-quality public rest rooms, vending spaces and pay phones. Extensive display space is provided for Wisconsin tourism brochures.

Contact:
Biren Patel, PE
WisDOT Central Office
608-266-7231
biren.patel@dot.wi.gov

REST AREA 22 FACILITY AND SITE DESIGN

WISCONSIN DEPARTMENT OF TRANSPORTATION CENTRAL OFFICE – BELOIT, WISCONSIN

Mead & Hunt designed the first rest area and tourist information center that is encountered after crossing into Wisconsin from Illinois on Interstate 90/39.

The existing rest area was over capacity and required expansion of the truck and car parking lots as well as replacement of the building with a more modern structure. Mead & Hunt developed and evaluated several alternative site designs, factoring in public comment, to determine which one would meet design criteria while minimizing the impact on the surrounding environment. Several meetings were held with a local property owner in order to acquire land necessary for the construction on the new rest area. The site design included new ramps, truck and car parking lots, storm sewer, sidewalks, a detention basin, high mast lighting and landscaping.

The center itself is constructed of unfinished granite stone, decorative tiles, wood timbers and galvanized metal with an interior that is environmentally conscious yet user-friendly and easy to maintain. Special considerations were made to enhance natural lighting with special trusses and windows. Interior design specifications also included cabinets for literature about Wisconsin and its environment.

Because the site is an area of historical significance listed on the National Register of Historic Places, historic markers and information tables were included in the site design. The rest area, dedicated as a war memorial for soldiers from the state of Wisconsin, contains special plaques and a granite memorial.

The center, surrounded by picnic tables, is in a park setting with open grassy areas for relaxation and landscaping completed by a subconsultant containing trees native to Wisconsin. Special efforts were made to save vegetation and prevent erosion during construction. Local residents donated native wildflowers for planting around the facility.

Mead & Hunt coordinated with the city of Beloit to connect to their WWTF. Since the area is a historical site, coordination was also required with the State Historical Society. Mead & Hunt worked with Veterans of Foreign Wars to relocate a war memorial on the site and with the State Tourism Department to incorporate a tourist information center into the overall design.

Contact:
Dave Simon, PE
WisDOT Central Office
608-266-7231
david.simon@dot.wi.gov

FINANCIAL ASSISTANCE

LAKE MILLS OVERLOOK PARK LAWCON – LAKE MILLS, WISCONSIN

Mead & Hunt provides planning services to the City of Lake Mills. As part of these services, our team recently authored a WDNR grant application and secured $220,000 for building acquisition and demolition in order to "daylight" an important stream which runs adjacent to historic downtown.

The project will acquire properties along the creek and raze the existing derelict structures to "daylight" the creek as much as possible. Additionally, the project will restore the creek habitat and natural vegetation to its pre-development state, creating a more natural environment for aquatic species. Development of the park will also create a greenway from Rock Lake and Mill Pond Park to the Hatchery.

A plaza space will be developed with seating areas for visitors to relax, gather or picnic. The plaza will be accessible to all users in compliance with the ADA. An overlook will also be provided for visitors to view the creek. The plans include a new greenspace along Main Street and the south side of the creek. The greenspace will afford an opportunity for users to relax along the creek bank. This area will include new pathways, a picnic shelter and tables and a small parking area with handicapped-accessible stalls.

Contact:
Steve Wilke, City Manager
City of Lake Mills
200 D Water Street
Lake Mills, WI 53551
920-648-2344
swilke@ci.lake-mills.wi.us

WAUSAU AQUATIC FACILITIES

WAUSAU AND MARATHON COUNTY PARKS, RECREATION, AND FORESTRY – WAUSAU, WISCONSIN

This project included the design and construction of three replacement aquatic centers to replace the existing Kaiser Pool, Schulenburg Pool, and Memorial Pool, which were outdated and in need of modernization. In addition to a primary pool and a shallow-depth pool, each facility included a new building for concessions, restrooms, and office space, along with pool equipment (e.g. slides). Following the initial geotechnical explorations, one facility was rebuilt each year from 2015 to 2017 to minimize impact on the community. AET was responsible for planning and coordinating the subsurface exploration program, assigning the laboratory testing, and preparing the geotechnical report for each facility. AET also provided review of construction materials testing reports (soils) during the construction phase of each project.

ATHLETIC COMPLEX REDEVELOPMENT; LINCOLN HIGH SCHOOL

WISCONSIN RAPIDS PUBLIC SCHOOLS – WISCONSIN RAPIDS, WISCONSIN

The Wisconsin Rapids Public Schools system is planning to upgrade its athletic facilities at Lincoln High School. The project would include about six baseball/softball fields, new football field turf, a domed multi-sport practice field, several new tennis courts, a restroom/concessions building, and other ancillary features. The project will provide space for both students and community members to enjoy sporting activities. AET completed the geotechnical services in 2020 and construction is planned for 2021. AET was responsible for planning and coordinating the subsurface exploration program, assigning the laboratory testing, and preparing the geotechnical report for the project.

NEW ATHLETIC COMPLEX

PULASKI HIGH SCHOOL – PULASKI, WISCONSIN

This project consisted of master planning for a new athletic complex for the Pulaski High School, located in Pulaski, Wisconsin.

This project spans approximately 53 acres +- and has been divided into phases per client request. Phase 1 consisted of the development of a football stadium with track and field event spaces and Phase 2 of the baseball and softball fields, practice fields, and a pedestrian walk way.

Services Provided

- Site evaluation
- Geotechnical investigation
- Wetland delineation and mapping
- Topographic survey
- Site planning
- Construction documents
- Stormwater management
- Permit preparation
- Bid coordination
- Construction services

Point of Beginning

NEW ATHLETIC FACILITY

SCHOOL DISTRICT OF WISCONSIN DELLS – WISCONSIN DELLS, WISCONSIN

Point of Beginning provided planning, design and construction administration services for the development of the School District of Wisconsin Dells new athletic facility, located in Wisconsin Dells, Wisconsin.

The scope consists of a synthetic turf football / soccer stadium, running track, bleachers, press box, stadium lighting, sound system, score board, baseball and softball competition and practice fields and football / soccer practice fields. Also included, and in assistance to the Architect, Plunkett Raysich Architects, a concessions / restrooms facility.

Services Provided

- Site evaluation
- Site planning
- Fundraising support
- Construction documents
- Storm water management
- Permit preparation
- Synthetic turf vendor selection
- Bleacher vendor selection
- Bid coordination
- Construction services

Point of Beginning

Services Provided

- Site evaluation
- Geotechnical investigation
- Topographic survey and mapping
- Master planning support
- Construction documents
- Stormwater management
- Permit preparation
- Construction inspection/testing
- Construction layout

BASEBALL AND SOFTBALL FIELDS

GALE-ETTRICK-TREMPEALEAU SCHOOL DISTRICT

Point of Beginning provided civil engineering, survey and construction services for the development of the Gale-Ettrick-Trempealeau School District, Middle School, baseball and softball fields.

The scope of this project included a new baseball and softball diamond infields, restrooms/ concessions additions to existing building and access drive to the athletic complex.

Point of Beginning

REFERENCES

In addition to the references shown on our similar project examples, Mead & Hunt has worked with the following municipalities on a number of similar projects. We invite you to contact them to learn how we worked with them on their community's projects.

Village of Waterford
ZEKE JACKSON, ADMINISTRATOR

123 North River Street
Waterford, WI 53185
262-534-1852
zjackson@waterfordwi.org

City of Lake Mills
STEVE WILKE, CITY MANAGER

200 D Water Street
Lake Mills, WI 53551
920-648-2344
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Town of Ledgeview
SARAH BURDETTE, TOWN ADMINISTRATOR

3700 Dickinson Road
De Pere, WI 54115
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sburdette@ledgeviewwisconsin.com

City of Sterling
SCOTT SHUMARD, CITY MANAGER

212 Third Avenue
Sterling, IL 61081
815-632-6621
sshumard@ci.sterling.il.us

ORGANIZATIONAL CHART

CITY OF EVANSVILLE

Brian Carranza, AICP, ASLA
Client Manager

Rusty Chesmore, PE
Project Manager/
Overall Point of Contact

Scott Brosteau, PE
Quality Assurance/Quality Control (QA/QC)

SITE DESIGN

Site Civil and Stormwater
Anne Anderson, PE, LEED AP

Water and Sanitary Utilities
Paul Willis, PE

Roadways, Parking, Drives
Luke Senz, PE

Electrical
Aaron Gudeyon PE, LEED AP

Geotech
Benjamin Mattson, PE – *AET*

Survey
Michael Griesbach

BUILDINGS

Architecture
Stacey Keller, AIA, NCARB

Structural
Josh Fenske, PE, SE, MLSE

Electrical
Aaron Gudeyon PE, LEED AP

Plumbing
Bob Mutsch, PE, LEED AP

Technology
Mike Roering, RCDD

Mechanical
Jeff Reinholz, PE

AQUATICS

Matt Feeby, AIA, LEED AP, NCARB – *WTI*
Adam Pfister – WTI

ATHLETIC FIELDS

Scott Groholski, PLS – *POB*
Dan Peplinski, PLA – POB
Lindsey Beaman – POB

PUBLIC INVOLVEMENT

Mark Sauer, AICP
Brian Carranza, AICP, ASLA
Stacey Keller, AIA, NCARB
Matt Feeby, AIA, LEED AP, NCARB – *WTI*
Adam Pfister – *WTI*
Scott Groholski, PLS – *POB*

PLANNING

Master Plan Updates
Mark Sauer, AICP
Brian Carranza, AICP, ASLA

Landscape Design
Brian Carranza, AICP, ASLA

CONSTRUCTION ADMINISTRATION

Site and Structures
Mike "Earl" Tollefson

Aquatic Elements
Matt Feeby, AIA, LEED AP, NCARB – *WTI*
Adam Pfister – WTI

Ball Fields
Scott Groholski, PLS – *POB*
Dan Peplinski, PLA – POB
Lindsey Beaman – POB

Bold indicates lead personnel

KEY STAFF MEMBERS

Rusty Chesmore, PE

PROJECT MANAGER

Education

- BS, Civil Engineering, Iowa State University

Registration

- Licensed Professional Engineer – Florida, Georgia, Iowa, Michigan, Minnesota, Oregon, Tennessee, Texas, Washington, and Wisconsin

As a manager of transportation services, Rusty Chesmore manages and provides quality assurance for numerous transportation projects. He has led many multi-discipline projects and site designs over his 36 years of experience. He oversees the development of approximately 30 bridge and roadway projects a year and is responsible for project development from preliminary contract negotiation to planning, design, and construction management.

Rusty has extensive experience in agency, utility, and railroad coordination, roadway and bridge plan preparation, right-of-way plat review, addressing public concerns, coordinating information distribution, and preparing and reviewing plans, specifications and estimates (PS&E), as well as environmental documents. He has managed projects that involved resident relocation, wetland and park mitigation, historical impacts, community issues, and extensive public involvement.

RELATED PROJECTS

Public Building, Rest Areas 11 and 12, Wisconsin Department of Transportation – Columbia County, Wisconsin

Rusty managed the complete reconstruction of two of the most highly-used rest areas in the state. The first phase included the analysis of many alternative layouts, extensive public involvement, and preliminary design of the selected alternative. Mead & Hunt led an architectural committee that developed a unique prairie style look for the new building. The second phase consisted of designing new ramps, parking lots, landscaping, buildings, and lighting. The parking lots, green areas, and buildings were nearly tripled in size. High mast lighting and storm water infiltration systems were designed for this project. The rest areas were connected to a wastewater treatment facility constructed in partnership with WisDOT. Much coordination was required to prepare an agreement between the town of Dekorra and WisDOT in order to design the facility.

The WisDOT wanted the rest areas to promote tourism in Wisconsin. Mead & Hunt's team of engineers and architects worked with a WisDOT design committee to develop an open and nurturing building with "prairie style" architecture. The metal roof, exterior stone and open glass areas of the selected alternative will provide an attractive and quality structure. Travelers will be treated to outdoor landscaped picnic areas and high-quality public rest rooms. Vending spaces and customer telephones

will offer additional conveniences. Extensive display space will be provided for Wisconsin tourism brochures. This project had a service budget of $1.5 million and a construction budget of $20 million.

Public Building, Rest Area 22, WisDOT Bureau of Highway Development – Beloit, Wisconsin

Rusty managed the final design for the first rest area and tourist information center that is encountered after crossing into Wisconsin from Illinois on Interstate 39/90. The project team completely restructured the facility with new ramps, parking lots for cars and trucks, landscaping, a new building that includes restrooms and a tourist information center, high-mast lighting, and a connection to the Beloit sanitary sewer system. Rusty also coordinated extensive involvement with the State Tourism Department and the city of Beloit. This project had a construction cost of $3.2 million and design fees of $421,000.

Central Memorial Park, City of Sterling – Sterling, Illinois

Mead & Hunt was hired to assist the City with developing construction plans and estimates and bid documents. The redeveloped 1.65-acre park will incorporate a wide range of improvements, including reorientation of pedestrian walkways, construction of a new restroom/concession/storage facility, a zero-depth water feature with intermittent fountains, a multi-use paved court for food trucks and vendors and updated utility infrastructure throughout the park. Brian developed preliminary cost estimates and phasing strategy to assist the City with implementation and acquiring funding, and will be responsible for vendor coordination and landscape design. Rusty provided design and quality review for this project.

Roadway Reconstruction and Rehabilitation, CTH F, Rock County Highway Department – Rock County, Wisconsin

Rusty served as project manager for this project involving the reconstruction and rehabilitation of 8.1 miles of CTH F beginning at USH 14 and extending north to the southern city limits of Edgerton. The project included spot realignments to substandard horizontal curves and minor corrections to the profile. The existing intersections were evaluated for improvements to include curb and gutter, standard tapers and turn lanes. The existing asphaltic pavement was milled off to create a recycled base for a proposed asphalt overlay. The typical section included 12-foot lanes with five-foot shoulders. The existing drainage structures were replaced in kind. Obstructions within the roadside clear zone were removed or shielded. Encroachments within the right-of-way were identified. Within the community of Indianford, the roadway transitions to an urban roadway section with curb and gutter, storm sewer and sidewalks. The existing one-way couples on CTH F through the village were evaluated for the purposes of converting one of the one-way coupled streets into a two-way street. This project had a construction cost of $7.5 million and design fees of $750,000.

Roadway and Tunnel Design, College Avenue Tunnel, General Mitchell International Airport – Milwaukee, Wisconsin

Mead & Hunt designed a $25 million cut and cover tunnel on College Avenue to allow for the lengthening of the runway safety area for the airport's main north-south runway. This will allow College Avenue traffic to travel under the safety area. The tunnel will initially consist of two 640-foot cast-in-place concrete bores that has the potential to be lengthened to 910 feet if the runway and parallel taxiway are ever lengthened. Each bore includes two 12-foot driving lanes, a five-foot sidewalk for pedestrians next to the exterior wall, and a three-and-a-half-foot maintenance walkway next to the interior wall. This project also included approximately 500 feet of approach roadway design for a four-lane divided street with curb and gutter, storm sewer, and sidewalks. A construction bypass road, which will eventually become the airport's perimeter road, was designed to remove traffic from the project site. This reduces the construction staging complexity and allows the roadway to remain open to traffic during construction.

The new tunnel will allow the airport to meet the FAA requirements for safety area length, as well as give them the ability to lengthen the runway and parallel taxiway in the future. In addition, a vital transportation link (College Avenue) is maintained, while improving airport operations. Rusty served as the project manager on this project. The design fees for this project was $1.8 million.

Brian Carranza, AICP, ASLA

CLIENT MANAGER/LANDSCAPE DESIGNER

Education

- MA, Community Planning and Economic Development, Penn State University
- BS, Landscape Architecture, University of Wisconsin – Madison

Registration

- American Institute of Certified Planners (AICP)
- American Society of Landscape Architects (ASLA)

Brian Carranza is a multi-disciplinary professional who has developed in-depth knowledge of urban design/ landscape architecture, park system planning, transportation network design, and the public participation process. Brian has experience designing parks and recreation facilities that range from community scale gathering spaces to district gateways and activity nodes. He also assists in development review, comprehensive and sub-area planning, and construction documentation for several municipalities.

RELATED PROJECTS

West Side Park Development Plan, City of Evansville – Evansville, Wisconsin

Mead & Hunt worked with the City of Evansville to develop and vet several concepts for future expansion of this park to serve the needs of user groups and better align with the City's Smart Growth Plan. Mead & Hunt met with city staff to help determine an overview of issues, key findings and intended outcomes of the project. We performed site analysis, base-mapping, conceptual design and cost estimation for construction of proposed park facilities. Three conceptual plans were designed for the park. Brian prepared the park design concepts and drawings based on the information gathered.

Ten Club Park Design and Construction, Village of Waterford – Waterford, Wisconsin

Mead & Hunt provided design of an approximately 6-acre public park along the Fox River. The site is centered on a new, multi-functional park shelter, also designed by Mead & Hunt. The new shelter is designed with a sledding hill and a new play stream. The play stream is a splash pad concept that winds through vegetation and hardscaping providing an immersive and educational water activity. The design also includes an ice skating rink under a timber shelter. Other design features placed throughout the park include a one-half-mile multi-use trail, a beer garden, swing benches, a formal lawn and event space, two gas fire rings, decorative pavement designed to mimic the eb and flow of the river, and bioswales to filter stormwater. Mead & Hunt also performed a flood study to support the new park design. Brian is providing the landscape design for this project.

Central Memorial Park, City of Sterling – Sterling, Illinois

Mead & Hunt assisted the City with developing construction plans and estimates and bid documents. The redeveloped 1.65-acre park will incorporate a wide range of improvements, including reorientation of pedestrian walkways, construction of a new restroom/concession/storage facility, a zero-depth water feature with intermittent fountains, a multi-use paved court for food trucks and vendors and updated utility infrastructure throughout the park. Brian developed preliminary cost estimates and phasing strategy to assist the City with implementation and acquiring funding, and will be responsible for vendor coordination and landscape design. Brian is currently leading preparation of construction documents for this project.

Sandy Beach Redevelopment and Cost Estimates, City of Lake Mills – Lake Mills, Wisconsin

Mead & Hunt was retained to study the redevelopment of a 13.2-acre seasonal MHC and recreational lakefront park to address existing public health and safety concerns and to provide for improved utility and emergency access. The area redesign included the boat launch operations and location, trailer and beachfront users parking modifications, stormwater and bio-retention area placement, and beachfront and recreational area improvements. A final park concept, 3D renderings, cost estimates, a report and a presentation to the City Council were provided for this project. Brian prepared the report for this project. This project is currently under phased construction.

Scott Brosteau, PE

QA/QC

Education

- BS, Civil Engineering, University of Wisconsin

Registration

- Licensed Professional Engineer – Wisconsin

Scott Brosteau manages municipal projects for Mead & Hunt's municipal engineering group. He has more than 25 years of experience in urban road design, highway design, stormwater management and underground utility design. His project responsibilities will be QA/QC. He has extensive experience in preparing project plans, specifications and engineering for municipal projects.

RELATED PROJECTS

Town Engineer, Town of Ledgeview – Ledgeview, Wisconsin
For the past 18 years Scott has been the Town Engineer responsible for all aspects of engineering related projects, including subdivision reviews and design, TID development, policy and ordinance development, assessments, construction administration and stormwater management.

Sanitary District Engineer, Ledgeview Sanitary District No. 2 – Brown County, Wisconsin
Scott was the Sanitary District Engineer and has performed work for the Ledgeview Sanitary District No. 2 for the past 18 years. As its engineer, he is responsible for design and coordination of all engineering related projects undertaken by the District.

Utility District Engineer, Scott Utility District – Scott, Wisconsin
Scott was the Utility District Engineer and has performed work for the Scott Water Utility District for the past ten years. As its engineer, he is responsible for design and coordination of all engineering related projects undertaken by the District.

Town Engineer, Town of Scott – Scott, Wisconsin
Scott was the Town Engineer and has performed work for the Town of Scott for the past eleven years. As its engineer, he is responsible for design and coordination of all engineering related projects undertaken by the District.

Mystery Valley Subdivision, Town of Ledgeview – Brown County, Wisconsin
Scott was the Project Manager responsible for the design and construction of a 277 lot residential urban subdivision. The project included sanitary sewer, water main, storm sewer, curb and gutter, detention ponds, wetland mapping and flood studies. As part of the permitting process Mead & Hunt completed a major environmental sensitive area (ESA) amendment that was approved by the WDNR.

Mead & Hunt

Anne Anderson, PE, LEED AP

SITE CIVIL AND STORMWATER

Education

- BS, Civil Engineering, University of Wisconsin – Platteville

Registration

- Licensed Professional Engineer – Wisconsin and Iowa
- Wisconsin DOT Erosion Control Certification
- Leadership in Energy and Environmental Design, Accredited Professional (LEED® AP)

Anne Anderson is a civil engineer with more than 17 years of experience specializing in municipal infrastructure projects, stormwater planning, stormwater management and permitting. She has experience in the public and private sectors involving stormwater planning and modeling, MS4 modeling, Windows Source Loading and Management Model (WinSLAMM) modeling, stormwater facility design, bioretention facility design, infiltration swales, regional detention pond design, site design, pavement and street design, sanitary sewer, water main and storm sewer modeling and design, as well as agency permitting for construction projects including erosion control, stormwater management, pollution prevention, wetland mitigation, navigable waterway crossings and agency utility permitting for sanitary sewer and watermain.

RELATED PROJECTS

Civil Site Design, Oakwood Village – Madison, Wisconsin

Anne is responsible for civil site design for assisted care and multi-family housing sites on the east and west side of Madison. This includes grading, utilities, stormwater detention, erosion control, and site layout plans and specifications.

UW-Madison, West Campus Stormwater Quality Facilities Project, Department of Administration, Department of Facilities Development, (DOA/DFD) – Madison, Wisconsin

Anne served as the project manager and was responsible for this project consisting of two phases. The project consisted of the design and contract document s as well as construction assistance for four bioretention areas in Phase 1 and one bioswale and two wet detention basins in Phase 2. Modeling for the basins was performed using the Windows Source Loading and Management Model (WinSLAMM) design software to evaluate stormwater quality treatment in relation to load allocation in the Rock River TMDL. Phase 2 provided for challenges with the presence of high groundwater, contaminated soils and wetlands within the project area. Coordination of Chapter 30 Permits and Wetland Disturbance permits with WDNR and United States Army Corps of Engineers (USACE) was also part of Phase 2. Anne also coordinated with the client and subconsultants during this project.

Charlottes Walk Subdivision Pond 2 Reconstruction, Town of Burke – Burke, Wisconsin

Anne served as the Project Manager and Lead Designer. This project studied an existing pond and considered design alternatives for flood control and stormwater treatment improvements. The project was awarded a grant by Dane County for restoring stormwater quality to the developed area. Anne was responsible for this project and saw the project through design, bidding and construction.

City of Milwaukee 30th Street Industrial Corridor Regional Stormwater Management Plan, Conservation Design Forum, Inc. – Milwaukee, Wisconsin

Anne served as the Stormwater Modeler and worked as Mead & Hunt's subconsultant role in the creation of a regional stormwater management study for the City of Milwaukee's 30th street industrial corridor to be used as an example for other similar corridors. Mead & Hunt's scope for Phase I included preparation of mapping and summaries of regulatory requirements. Mead & Hunt's scope for Phase II includes SLAMM modeling and agency coordination.

Paul Willis, PE

CIVIL ENGINEER

Education

- BS, Civil Engineering, Michigan Technological University

Registration/Certifications

- Licensed Professional Engineer – Wisconsin

Paul Willis has 20 years of experience in municipal engineering, residential and commercial development. His work includes project management, utility and road design, cost estimating, permitting, site planning, grading, stormwater management, and sustainable site development. His responsibilities also include cooperating with local municipalities, developers and regulatory agencies to achieve complete and accurate designs. Paul has strong skills in developing client trust and satisfaction by effectively communicating design possibilities, concerns, and project goals.

RELATED PROJECTS

Ten Club Park Design and Construction, Village of Waterford – Waterford, Wisconsin

Mead & Hunt provided design of an approximately 6-acre public park along the Fox River. The site is centered on a new, multi-functional park shelter, also designed by Mead & Hunt. The new shelter is designed with a sledding hill and a new play stream. The play stream is a splash pad concept that winds through vegetation and hardscaping providing an immersive and educational water activity. The design also includes an ice skating rink under a timber shelter. Other design features placed throughout the park include a one-half-mile multi-use trail, a beer garden, swing benches, a formal lawn and event space, two gas fire rings, decorative pavement designed to mimic the eb and flow of the river, and bioswales to filter stormwater. Mead & Hunt also performed a flood study to support the new park design. Paul is the project manager for this project.

Village of Wrightstown Engineer, Village of Wrightstown – Wrightstown, Wisconsin

Paul represented the Village as its engineer and was responsible for designing and coordinating all Village engineering projects. His design responsibilities ranged from utility upgrades and road improvements to stormwater management, planning, site plans and plan review.

Two-Dollar and Zelten Family Parks, Town of Ledgeview – Ledgeview, Wisconsin

Mead & Hunt was hired to assist the Town with developing construction plans and estimates and bid documents. The one-acre (Two-Dollar) and 15.3-acre (Zelten Family) parks will provide recreation and open space to newly developed residential subdivisions. The new parks will have new ADA paths, playground structures, mist play areas, picnicking areas and additional active recreational programming. Paul performed the construction set, estimates and bid package.

Fair Street Reconstruction, Village of Wrightstown – Wrightstown, Wisconsin

This project involved reconstructing an urban roadway, and storm sewer, water main and sanitary sewer system updates for a public roadway. Paul was responsible for coordinating with the client and the multiple permitting agencies involved.

Mead & Hunt

Luke Senz, PE

ROADWAYS, PARKING, DRIVES

Education

- BS, Civil Engineering, University of Wisconsin – Platteville

Registration

- Licensed Professional Engineer – Minnesota and Wisconsin

Luke Senz is responsible for design engineering services in preparing alignments, profiles, cross sections, and construction details. His design experience includes roads, streets, structures, parking lots, and stormwater management systems. Luke is responsible for roadway design, computer-aided design, agency coordination, public involvement, and plan and specification development. Luke a leader in the use of Civil3D design software with extensive knowledge of various applications of the software. He is highly experienced in preparing project quantity and cost estimates. Luke also has field experience including: inspecting highway construction, materials inspection, and design and construction surveying. His construction experience includes structures as well as rural and urban highways.

RELATED PROJECTS

Roadway Reconstruction, Lacy Road, City of Fitchburg – Fitchburg, Wisconsin

Luke served as the roadway engineer for this roadway reconstruction project. Lacy Road is classified as a minor arterial and is a critical link in the City of Fitchburg's transportation network. Public involvement was crucial to this project, and our team led multiple public meetings, prepared exhibits and published website materials. Mead & Hunt provided survey, alternative analysis, preliminary and final design, design reports, environmental documentation, wetland delineation, structure design, traffic analysis, signal design, transportation project plats, lighting design, construction staging and PS&E preparation services.

Sandy Beach Redevelopment and Cost Estimates, City of Lake Mills – Lake Mills, Wisconsin

Mead & Hunt was retained to study the redevelopment of a 13.2-acre seasonal MHC and recreational lakefront park to address existing public health and safety concerns and to provide for improved utility and emergency access. The redesign included the MHC area being laid out to accommodate the maximum mobile home lots that are deeper, allowing for easier access and maintaining utilities. The recreational lakefront area redesign separated conflicting uses while grouping similar use amenities to maximize the area's use. A final park concept, 3D renderings, cost estimates, a report and a presentation were provided for this project. Luke provided site and parking lot reconfiguration and roadway design for this project.

Bicycle Path Design, Turtle Creek Bike Path, City of Beloit – Beloit, Wisconsin

Luke was a civil engineer for this project. The 0.9 mile long Turtle Creek trail was designed to be an extension of an existing bike trail linking it with two city parks, a commercial area, and residential neighborhoods on the City of Beloit's near southeast side. The trail primarily follows an off-street alignment and parallels an active railroad corridor which required coordination with the railroad. This project also involved archeological and environmental investigations and documentation, easements, and right-of-way determinations, park and recreational land issues, as well as developing pavement sections, drainage, alignment, profiles, trail lighting, signing, and specifications. The project also involved a determination of eligibility for a potentially historically significant building in Turtle Creek Park.

Mead & Hunt

Stacey Keller, AIA, NCARB

CONCESSION FACILITY AND STRUCTURE DESIGN

Education

- M. Architecture, University of Wisconsin – Milwaukee
- Historic Preservation Certificate
- Real Estate Development Certificate
- BS, Architectural Studies, University of Wisconsin – Milwaukee
- Urban Planning Certificate

Registration/Certifications

- Licensed Architect – Kansas, Michigan, Minnesota and Wisconsin
- Historic Architecture – Texas Department of Transportation
- Historic Architect – Secretary of the Interior Standards

Stacey Keller is a licensed architect with experience coordinating projects from inception to completion. She has expertise in historic preservation, adaptive reuse, and renovation projects, exceeding the requirements of the Secretary of Interior Standards for a historic architect. She skillfully conducts facility studies, conditions assessments, and concept designs for feasibility studies and Historic Structures Report (HSR). Stacey advises clients on rehabilitation options, project planning, design, code compliance, and material selections and compatibility that meet *Secretary of the Interior's Standards, Guidelines, and Technical Briefs*, while working seamlessly with the State Historic Preservation Office. Stacey oversees project teams, mentors staff and assists with client contact. She provides leadership during the quality assurance/quality control of projects. Stacey is proficient in AutoCAD and Revit. Her management experience has consisted of creating project proposals, scopes, schedules, and budgets, as well as preparing cost estimates and grant applications.

RELATED PROJECTS

Ten Club Park Design and Construction, Village of Waterford – Waterford, Wisconsin

Mead & Hunt provided design of an approximately 6-acre public park along the Fox River. The site is centered on a new, multi-functional park shelter, also designed by Mead & Hunt. The new shelter is designed with a sledding hill and a new play stream. The play stream is a splash pad concept that winds through vegetation and hardscaping providing an immersive and educational water activity. The design also includes an ice skating rink under a timber shelter. Other design features placed throughout the park include a one-half-mile multi-use trail, a beer garden, swing benches, a formal lawn and event space, two gas fire rings, decorative pavement designed to mimic the eb and flow of the river, and bioswales to filter stormwater. Mead & Hunt also performed a flood study to support the new park design. Stacey is providing the facility and structures design for this project.

Bossen Field Shelter Building Study, Minneapolis Park and Recreation Board – Minneapolis, Minnesota

Mead & Hunt prepared a National Register eligibility evaluation and rehabilitation recommendations for the Bossen Field Shelter. Constructed in 1959-1960, the shelter is comprised of three, flat roof, reinforced-concrete buildings arranged around a central interior space with a pyramidal roof. The shelter was recommended as eligible for listing in the National Register. To aid the city in the future rehabilitation of the shelter, the project team identified character-defining features and prepared detailed recommendations for the ongoing maintenance and preservation of these features. Stacey served as the historic architect. She worked with the project historians to develop the character-defining features. She also reviewed the proposed rehabilitation plans and specifications and provided detailed comments regarding the preservation of historic features and fabric.

Madison Water Utility Paterson Operations Campus, Madison Water Utility – Madison, Wisconsin

Stacey served as the project architect on this six-year renovation process and led the design team from start to finish. The project was initiated in 2013 through a master-planning process and the design solution was based on a functional and aesthetic integration of the maintenance/ industrial activities of the Water Utility into an evolving neighborhood dynamic. The project actively engaged the public to arrive at innovative, sustainable solutions that surpassed client expectations, mitigated challenging site conditions, and bettered the local community.

Mark Sauer, AICP

SENIOR PLANNER

Education

- Master of Urban Planning, University of Wisconsin – Milwaukee
- Bachelor of Urban Planning, University of Cincinnati

Registration

- AICP

Mark Sauer is a certified professional urban planner specializing in physical planning and urban and landscape design, including landscape selection and design; tree species selection; urban, pocket and neighborhood park design; and hardscape treatments. Mark balances graphic design, open communication and sound research to provide context-sensitive solutions. Mark's approach combines his creative background and understanding of municipal regulations to prepare community sensitive solutions developing public consensus. Mark has first-hand experience in comprehensive, sub-area, and land/site planning; architectural package submittals; construction documentation; land division and zoning change procedures; public involvement; urban design; and visualizations.

RELATED PROJECTS

Ten Club Park Design and Construction, Village of Waterford – Waterford, Wisconsin

Mead & Hunt provided design of an approximately 6-acre public park along the Fox River. The site is centered on a new, multi-functional park shelter, also designed by Mead & Hunt. The new shelter is designed with a sledding hill and a new play stream. The play stream is a splash pad concept that winds through vegetation and hardscaping providing an immersive and educational water activity. The design also includes an ice skating rink under a timber shelter. Other design features placed throughout the park include a one-half-mile multi-use trail, a beer garden, swing benches, a formal lawn and event space, two gas fire rings, decorative pavement designed to mimic the eb and flow of the river, and bioswales to filter stormwater. Mead & Hunt also performed a flood study to support the new park design. Mark is providing the park design for this project.

West Side Park Development Plan, City of Evansville – Evansville, Wisconsin

Mead & Hunt worked with the City of Evansville to develop and vet several concepts for future expansion of this park to serve the needs of user groups and better align with the City's Smart Growth Plan. As part of the design process, Mead & Hunt met with city staff to help determine an overview of issues, key findings and intended outcomes of the project. We performed site analysis, base-mapping, conceptual design and cost estimation for construction of proposed park facilities. Three conceptual plans were designed for the park. Mark met with the city staff, assisted in the concept design and spearheaded City approvals.

Riverfront Park Master Plan & Cost Estimates, City of Sterling – Sterling, Illinois

Mead & Hunt was hired to assist with the implementation of the City's Riverfront Master Plan by preparing design concepts, 3D renderings, and cost estimates for the construction of Riverfront Park. Riverside Park is a partially developed 18-acre brownfield located in the City's former industrial corridor along the Rock River. To capture the unique views and activate the site, the Mead & Hunt project team redesigned the site to include both an urban Riverwalk and a passive/natural riverfront shoreline with overlook points ideal for Bald Eagle watching. The site was programmed to include an innovative skating ribbon and ice rink, fire pit, splash pad, east and west community lawns for recreating

Mike "Earl" Tollefson

CONSTRUCTION INSPECTION AND ADMINISTRATION

Education

- BS, Geology, University of Wisconsin

Registration/Certifications

- Certified Technician AGGTEC-I, PCCTEC-I, ASPHTEC-I

Mike Tollefson has extensive experience in all types of transportation construction projects. He has more than 20 years of construction experience and has performed the duties of a materials technician, inspector, surveying assistant, assistant project leader/engineer, and project leader/engineer. Mike has been involved in new highway construction, urban reconstruction, rural reconstruction, urban rehabilitation, rural rehabilitation, structure construction and bridge maintenance.

RELATED PROJECTS

Pedestrian and Bicycle Trail Design, Portage Canal, City of Portage – Portage, Wisconsin

Mike provided computing quantities and price estimating for this project to rehabilitate the historic Portage Canal and construct a new bicycle trail adjacent to the canal. The 10-foot-wide bicycle trail travels the length of the canal, providing crossings to link the trail with the commercial and residential areas of the city. The restoration of the canal involved increasing water flow, dredging, constructing revetment walls, and reconditioning the Wisconsin River lock. In addition to a great deal of public involvement, the project required significant coordination with the Wisconsin Historical Society, WisDOT Bureau of Environment, and the Federal Highway Administration because the canal is on the National Register of Historic Places. Other agencies requiring coordination were the WDNR and the USACE. The project also involved scheduling, environmental documentation, a right-of-way plat, and coordination with funding sources.

Rest Areas 11 & 12, IH 39/90/94, Wisconsin Department of Transportation (WisDOT) – Columbia County, Wisconsin

Mead & Hunt redesigned Wisconsin's busiest rest areas, Rest Areas 11 and 12, including the interstate exit and entrance ramps, truck and car parking lots, and new, modern public rest areas. The design included storm sewer and retention ponds, sidewalks, high mast lighting including exit and entry ramp roadway lighting, pavement marking, and signing. The project also involved meeting all roadway lighting design requirements per WisDOT standards with complete photometric representation. Mead & Hunt also worked closely with the Town of Dekorra and WisDOT in developing a waste water treatment plan. Mike was the assistant project leader and inspector for this project.

Mead & Hunt

Matt Freeby, AIA, LEED AP, NCARB

AQUATIC ELEMENTS LEAD

Education

- Master's, Architecture, Washington University – St. Louis, Missouri
- Master's, Civil Engineering, Construction Management, Washington University – St. Louis, Missouri
- BA, Architecture, Washington University – St. Louis, Missouri

Registration/Certifications

- Licensed Architect – Alabama, Arkansas, California, Delaware, Florida, Hawaii, Indiana, Louisianna, Michigan, Minnesota, Missouri, Nebraska, New Jersey, New Mexico, Nevada, New York, Oklahoma, Rhode Island, Tennessee, Utah, Washington, Wisconsin
- LEED Accredited Professional
- NSPF Certified Pool / Spa Operator (CPO)

Memberships

- American Institute of Architects (AIA)
- National Council of Architectural Registration Boards (NCARB)
- Themed Entertainment Association (TEA)

Matthew Freeby has a breadth of experience in the design and construction of numerous building types and structures; with overall responsibility for large project development, he has handled projects ranging from $1 million to $100 million. His project experience ranges from conceptual planning to construction management. Matt is relied upon to define project scope, goals and deliverables that support WTI's business goals in collaboration with senior management. He helps to determine and assess need for additional staff and/or consultants and make the appropriate recruitments if necessary during project cycle. A registered Architect in 22 states and a NSPF Certified Pool/Spa Operator, Matt is a LEED Accredited Professional with an advanced depth of knowledge in green building practices and sustainable aquatic design and operations. Matt's attention to detail and persistent pursuit of excellence provides the industry benchmark in aquatic design.

RELATED PROJECTS

- Buchner Park Pool Conceptual Design – Waukesha, Wisconsin
- Erb Park Swimming Pool – Appleton, Wisconsin
- Richland Center Aquatic Center – Richland Center, Wisconsin
- Baldwin Medical Center – Baldwin, Wisconsin
- Port Superior Marina – Bayfield, Wisconsin
- Chippewa Falls – Chippewa Falls, Wisconsin
- VFW Park Design – De Pere, Wisconsin
- Elm Grove Western Racquet Club Design – Elm Grove, Wisconsin
- Village Pointe Commons – Grafton, Wisconsin
- Green Bay Colburn Pool – Green Bay, Wisconsin
- The Tundra Lodge – Green Bay, Wisconsin
- Water Feature – Lake Delton, Wisconsin
- Christmas Mountain Village – Lake Delton, Wisconsin
- Goeres Park Pool – Lodi, Wisconsin
- Madison Goodman Pool Expansion Study – Madison, Wisconsin
- Madison Metropolitan School District – Madison, Wisconsin
- The Nick Natatorium at University of Wisconsin-Madison – Madison, Wisconsin
- Manitowoc Family Aquatic Center – Manitowoc, Wisconsin
- Bay Area Medical Center – Marinett, Wisconsin
- Bucks Arena – Milwaukee, Wisconsin

WTI WATER TECHNOLOGY INC.

Adam Pfister, ASLA

CONSTRUCTION INSPECTION AND ADMINISTRATION

Education

- Bachelor of Landscape Architecture, Iowa State University – Ames, IA

Registrations

- NSPF Certified Pool / Spa Operator (CPO)
- Revit Certified Professional

Memberships

- American Society of Landscape Architects (ASLA)
- Themed Entertainment Association (TEA)

Working within the parameters given, Adam orchestrates a symphony of aquatic elements and features throughout the facility. His designs transform flat, monotonous areas into stimulating aquatic destinations using elevation and unique, custom created structures. Adam's experience in Landscape Architecture includes environmental, urban, commercial and residential design; he also has experience in image editing.

Adam's investigative approach prior to designing each facility includes working with project management and the client to understand the demographics of the area in conjunction with their needs, wants and state codes. Once all the information is gathered, Adam uses his design skills to transform planning and programming notes into a conceptual graphic design, carefully taking into account budget constraints and objectives. Adam's dedication and passion for designing is evident throughout the design process; he works carefully with project managers and manufacturers to make sure the client's vision is seen through to completion. Adam's portfolio includes a variety of aquatic facilities including Olympic level competition, therapy and wellness, hotel, and municipal leisure.

RELATED PROJECTS

- Baraboo Aquatic Center Study – Baraboo, Wisconsin
- University of Wisconsin RecSports Natatorium – Madison, Wisconsin
- Rice Lake Aquatic Center Preliminary Planning – Rice Lake, Wisconsin
- Star Center Wellness Facility Design – LaCrosse, Wisconsin
- Aquatic Center Preliminary Study – Clintonville, Wisconsin
- City Park Pool Renovations – Medford, Wisconsin
- Oakwood Village Prairie Ridge – Madison, Wisconsin
- Goeres Park Swimming Pool – Lodi, Wisconsin
- Menasha Family Aquatic Center Study – Menasha, Wisconsin
- Clara R. McKenna Aquatic Center Addition – Antigo, Wisconsin
- Hy & Richard Smith JCC Family Aquatic Park – Mequon, Wisconsin
- Goodman Park Community Swimming Pool – Madison, Wisconsin
- Lodge Kohler Spa Addition – Green Bay, Wisconsin
- Oshkosh Downtown YMCA – Oshkosh, Wisconsin
- Bierman Family Aquatic Center – Merrill, Wisconsin
- Buchner Park Pool Conceptual Design – Waukesha, Wisconsin
- Wisconsin Rapids Regional Aquatic Center – Wisconsin Rapids, Wisconsin

WTI WATER TECHNOLOGY INC.

Benjamin Mattson, PE

GEOTECHNICAL ENGINEER

Education

- MS, Civil (Geotechnical) Engineering, University of Illinois at Urbana-Champaign
- BS, Civil Engineering, Michigan State University

Registration/Certifications

- Licensed Professional Engineer – Wisconsin and Minnesota
- Certified Soils Tester – Wisconsin

Ben will be responsible for planning and coordinating the subsurface exploration program, preparing the geotechnical report, and project oversight. Ben's experience includes geotechnical project management, planning and coordinating subsurface explorations and geotechnical testing, performing geotechnical analyses, and preparing and reviewing geotechnical engineering recommendations and reports.

RELATED PROJECTS

Athletic Field Redevelopment, River Valley High School – Spring Green, Wisconsin

The project includes replacement of the competition field turf and running track. Ben was responsible for planning and coordinating the subsurface exploration program, assigning the laboratory testing, and preparing the geotechnical report.

Athletic Field Redevelopment, Lincoln High School – Wisconsin Rapids, Wisconsin

The project includes constructing new and/or improved competition and practice baseball, softball, soccer, and football fields, along with new ancillary items such as stadium lighting, dugouts, and concessions/restrooms buildings. Ben was responsible for planning and coordinating the subsurface exploration program, assigning the laboratory testing, and preparing the geotechnical report.

East River Parks – Green Bay, Wisconsin

The project includes two new parks along the East River in Green Bay. The parks include outdoor patios, walking paths, a river overlook, parking lots, and stormwater management areas. Ben was responsible for planning and coordinating the subsurface exploration program, assigning the laboratory testing, and preparing the geotechnical report for each project.

Kaiser, Memorial, and Schulenburg Pools – Wausau, Wisconsin

This project included the design and construction of three new pool facilities in Wausau. Each facility included buildings and multiple pools. Ben was responsible for planning and coordinating the subsurface exploration program, assigning the laboratory testing, and preparing the geotechnical report for each facility. Ben also provided review of construction materials testing reports during the construction phase of each project.

AMERICAN ENGINEERING TESTING, INC.

Scott Groholski, PLS

ATHLETIC FACILITIES DESIGN LEAD

Education

- AS, Civil Engineering Technology, Mid-State Technical College – Wisconsin Rapids

Registration/Certifications

- Professional Land Surveyor (PLS) – Wisconsin

Scott Groholski is Founder and President of Point of Beginning, Inc., a multi-faceted civil engineering, land surveying, landscape architecture, and materials testing firm based out of Stevens Point, Wisconsin with branches in Green Bay and Sun Prairie.

Scott's day to day tasks include developing the firm's growth and productivity initiatives within our markets, forming new and nurturing current business partnerships, overseeing office locations, enhancing POB's presence within WI (and surrounding states) and providing support to the Team.

Scott earned his Associates Degree in Civil Engineering Technology at Mid-State Technical College in Wisconsin Rapids and obtained his licensure as a Professional Land Surveyor in the state of Wisconsin.

Scott leads the POB K-12 and Athletic Complex Development Division and has been developing these types of sites for 25 years. The dynamic approach that Scott offers includes collaborating with multiple disciplines, extensive amounts of site research and environmentally friendly and aesthetically pleasing design solutions that maximize site functionality. Scott was a Head Varsity Basketball Coach for five years, allowing him to better understand how Districts function and what their needs and wants can be.

RELATED PROJECTS

- Athletic Complex, The School District of Wisconsin Dells
- Athletic Complex, School District of Nekoosa
- Athletic Complex, Hortonville Area School District
- Athletic Complex, Merrill Area Public Schools
- Athletic Complex, Pulaski Community School District
- Athletic Complex, New Lisbon School District

Point of Beginning

Dan Peplinski, PLA

LANDSCAPE ARCHITECT

Education

- AAS, Civil Engineering, Civil Engineering Technology, Mid-State Technical College – Wisconsin Rapids

Registration/Certifications

- Professional Landscape Architect – Wisconsin

Dan Peplinski serves as a Landscape Architect at Point of Beginning, Inc. He has performed an array of duties through the course of his 24 year career, including the master planning and development of athletic facilities and school sites. Dan has capitalized on his ability to provide cost-effective insight to maximize the potential of a facility within the district's budget. His extensive knowledge allows him to be a valued reference while working side-by-side with districts through pre-referendum, design, and construction stages.

Lindsey Beaman

ATHLETIC FACILITIES

Education

- BS, Business, University of Wisconsin – Stevens Point

Lindsey Beaman is the Project and Marketing Coordinator with Point of Beginning, Inc. In Lindsey's role with POB, she focuses on design and production of print and on-line marketing materials, brand oversight, website updates, proposal writing and assistance to Project Managers.

Lindsey has the capability to support and coordinate multiple Project Managers and Projects at a time, with responsibilities such as, developing proposals, coordination of subconsultants, creating schedules, assisting with preparation of budgets, contractual agreement setup and meeting coordination.

She is also a team member of the Fundraising Support group, assisting with 3D animation and stile creation, development of customized promotional materials and website build-out.

Point of Beginning

STANDARD OF WORK AND INSURANCE COVERAGE

Mead & Hunt confirms that we meet the appropriate state licensing requirements to practice in the State of Wisconsin.

Mead & Hunt does not hold a record of substandard work within the last five years and does not engage in unethical practices.

Mead & Hunt confirms that, if awarded the contract, we will be responsible for the entire contract, including approval of all payments resulting from work completed under the project contract. All the subconsultants proposed for this contract will be contracted to Mead & Hunt where we will coordinate and handle the work performed. Mead & Hunt will perform all invoicing for work performed and pay subconsultants.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/23/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER 1-800-527-9049 Holmes Murphy & Assoc - WI 1600 Aspen Commons Suite 990 Middleton, WI 53562	CONTACT NAME: Linda Bomarito PHONE (A/C, No, Ext): 309-282-3903 FAX (A/C, No): 866-501-3945 E-MAIL ADDRESS: lbomarito@holmesmurphy.com
INSURED Mead & Hunt, Inc. 2440 Deming Way Middleton, WI 53562	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : XL SPECIALTY INS CO — 37885 INSURER B : INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** 60559917 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	☐ OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						☐ PER STATUTE ☐ OTH-ER	
	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ (Mandatory in NH)	N / A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability (Claims Made)			DPR9967599	10/25/20	10/25/21	Each Claim Aggregate	5,000,000 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Pollution Liability Included

CERTIFICATE HOLDER

For Proposal Purposes

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

SCOPE OF WORK

PROJECT UNDERSTANDING

The Mead & Hunt team is excited for the unique opportunity to assist the City of Evansville in guiding the development and improvement of the City's oldest and newest parks and outdoor recreational facilities. We understand the importance of preserving a unique piece of the community's past while at the same time accommodating the community's planned growth and development.

The National Register-listed Leonard-Leota Park is unique in that its programming contains both vintage and modern amenities. This draws a large and diverse user group. But with uniqueness can come challenges. The advancing age of the pool, lack of easily accessible and visible parking for the pool, and other maintenance and useability issues have intensified the need for Evansville to look elsewhere to keep this important amenity in the community. Our team of design experts will seamlessly supplant the existing aquatic programming at Leonard-Leota Park into West Side Park. At the same time, we will address the public's desire for a splash pad and improve upon an important part of the active programming in Leonard-Leota Park. Components of the project related to Leonard-Leota Park include:

- Demolition of the existing swimming facility.
- Refurbished parking and grounds.
- Design and construction of a new splash pad.

West Side Park, a community park, currently operates at a neighborhood scale, occasionally attracting larger user groups (e.g., Evansville Soccer Club) for the space it contains. However, community level programming and infrastructure upgrades are needed for the park to truly achieve its potential in service of the community. We understand the modifications needed to the West Side Park Plan concepts and have provided a team capable of assisting the City in realizing those changes. Components of the project related to West Side Park include:

- Design and construction of a new outdoor aquatic center.
- Road and parking improvements to serve the new aquatic center and other portions of West Side Park.
- A central bicycle and pedestrian trail through West Side Park that connects adjacent neighborhoods and acts as a central way through the park.
- Additional interconnecting loop trails.
- Additional athletic fields.
- A new washroom, concession stand, and other pavilions needed to serve both the active and passive programming of the park.
- Community garden plots.
- Extensive landscaping and screening to beautify and create a lasting impact.

The team we have assembled for the project is well qualified and has a diverse portfolio of recent work specifically in aquatic centers and recreational field design and construction that perfectly aligns with the City's desired design process and multi-locational construction of these projects. Mead & Hunt is both familiar to the City and specifically aligned with our partners to lead this project.

Mead & Hunt understands this is as much a planning process as it is a design project. Determining the feasibility of implementing improvements is fruitless if those amenities are not first identified by their users. We have provided a strategy for public engagement which we hope will both affirm our – the City and Mead & Hunt's – previous investment on the *West Side Park Development Plan & Cost Estimates,* and also specifically engage primary aquatic center and pool stakeholders. Our approach to this project begins with engaging the community.

PROJECT APPROACH

Mead & Hunt's team is focused on a design process which results in high-quality recreational opportunities for the Evansville community. We are committed to engaging the public in design of their parks and facilitating decision making by the community for the community. Mead & Hunt's team are the experts in design, engineering, architecture, and construction and will utilize that expertise to ensure a comprehensive and sustainable project from engagement through operation.

The proposed undertaking is expected to kick-off in April 2021. As consultants for other communities in Wisconsin, we understand the importance of project completion in time for fall budgeting, so our goal with this project is to deliver final design and cost estimates in late fall of 2021. This allows construction bid documents to be completed, the project advertised, and bids received in late winter/early spring of 2022. It is expected some staging of construction will be needed to allow the existing swimming pool at Leonard-Leota Park to remain in use during the 2022 summer season. Replacement of the existing pool with a new splash pad will start in the fall of 2022 and final construction of both projects will be completed in the spring of 2023.

TASK ONE: PUBLIC ENGAGEMENT

PUBLIC ENGAGEMENT

Mead & Hunt will engage the public in a variety of formats to maximize public input and park ownership. We will gather public preference through interviews, charettes, surveys, or other means that specifically engage primary aquatic center/pool and park stakeholders, and as outlined in a public engagement strategy to be approved by the City.

We anticipate gathering the public interest and design ideas in two major ways. First, and considering uncertain times, the public will have opportunity for input online through polls and a survey, which we know was successful with development of the Outdoor Recreation Plan and will be familiar to the community. Online engagement allows participants to respond at their convenience and at a comfort level they may not get in a public setting. The responses provide the project team meaningful information to analyze and consider in design delivery. This online engagement will be used early in the process to support concept development.

We also anticipate gathering the public's desires through a community charette focused specifically on the incorporation of the aquatic center into West Side Park. The charette is intended for interaction by participates, where design comes to life through the ideas of those who will use it every day. Our team will turn resident input and feedback into immediate designs and alternatives for participants to react to.

Use of live polling at the community charette will provide instant feedback and maximize community interest. Live polling achieves and initial reaction or gut response from participants. Often, participants find this approach more meaningful because they can see their answers come to life and their contribution to the project emerges. This format is also often more honest as it is in the moment and will leave a lasting impression on participants as their responses immediately fill a screen for everyone to see. Further, this approach is highly engaging as it can be done both digitally using a personal phone or in traditional format like a sticky-dot image preference board. Decision makers can visualize audience responses in real-time; helping to identify points of consensus or conflict. Instant feedback will shape event conversations and help to define project direction.

We will also utilize individual meetings with stakeholder groups and park user groups (e.g., Evansville Soccer Club, Youth Baseball, Lions Club, Evansville Community Garden, various aquatic users etc.). This will allow us to narrow down on the needs of these specific groups and balance those with the needs of the public for the best mutual design.

We are also able to attend (virtually or in person) community meetings like Common Council or Park Board meetings as needed for project approvals and communication both with governing bodies and the public. Similarly, we will provide documentation, schedule information, renderings, or plans to the City to share via its social media and website.

CONCEPT DEVELOPMENT

This task will utilize the public's preference in modifying the concept for West Side Park and programming for Leonard-Leota Park. We will develop a park and aquatic program consisting of prioritized goals, objectives and intended activities and uses of the parks and aquatic spaces and features. The following tasks will be performed:

- Topographic Survey and Geotechnical Services by our qualified subconsultants.
- Wetland Delineation by our qualified subconsultants.
- Develop Park Spaces and Aquatic Program and Capacities.
- Develop Number of Pools, Pool Zones and Depths.
- Identify Number of Athletic Facilities, Users, and Associated Features.
- Identify Preliminary Water Activities and Features.
- Develop Budgetary Level Estimate for Two Parks.
- Develop West Side Park Concept Plan including Athletic Fields and Aquatic Concept Plan.
- Develop Leonard-Leota Park Concept Plan include Splash Pad.
- Communicate with staff to perform a zoning and permit review including zoning/land use compliance, setbacks, parking, green space, utilities - including sanitary, water and storm sewer size and availability, storm water preliminary review and access to public right-of-ways.
- Develop and evaluate support facility program and amenities.

TASK TWO: SCHEMATIC DESIGN (SD)

This task will define the general scope, scale, functional relationship, traffic flow, and preliminary cost of the project components. The design will be documented in sufficient detail as to provide a comprehensive image of the design solutions. The documents will identify area allocations, organization of spaces, images of building materials, landscaping, and pool configurations and equipment. The Project Team will complete major component cost estimating to verify inclusion of elements compared with the overall project budget.

PARK SITE & ATHLETIC FIELDS

The SD plans will incorporate all preferred programming and will be presented with sufficient information to allow a reviewer to fully understand the main design concepts and orientation. Engineered to approximately 20% of design, the schematic design will clearly indicate the improvements and construction anticipated for the site so that a clear direction for subsequent phases/tasks can be determined. Specifically:

- SD Site plan of the project showing location of all aquatic facilities, buildings, roads, paths/walks, parking, athletic fields, and landscape elements.
- Clear delineation of the project limit lines.
  - Overall project site.
  - Aquatic elements.
  - Athletic fields.
- Preliminary spot elevations.
- Existing utilities noted.
- Proposed utilities noted.
- Site drainage and stormwater management.
- Number of parking spaces and code/ zoning requirements.
- Conformance to zoning restrictions for easements and setbacks, etc.
- Results of preliminary soils and boring surveys.
- Identification of needed permits and timely application for permits.

BUILDINGS & STRUCTURES

Mead & Hunt will translate the project concept into physical drawings of space. In conjunction with the City, the Project Team will determine the areas, physical requirements, and relationships of all the required recreation and building spaces and components. This will lead to the concept verification regarding the initial building square footage, site locations, and the total project budget.

Schematic design includes the creation of the three options for the floor plans integrated with the site and initial strategies for building elevations. These will be developed with considerations of functionality, usability, required adjacencies, code compliance, security, safety, and aesthetics. A program narrative will complement the drawings to validate the project program, describe exterior and interior finishes, and define the building systems (structural, mechanical, HVAC, plumbing and electrical).

AQUATIC FACILITIES

WTI will consult with the City to confirm project goals and requirements and develop the spatial relationships of the aquatic components of the project. For this Task, WTI will perform the following:

- Confirm Aquatic Program and Capacities and Mechanical Program.
- Develop Water Rides, Activities and Features.
- Define Pool Zones, Depths and Turnover Rates.
- Develop Pool Wall Profile Options.
- Select Preliminary Mechanical Equipment.
  - Identify pool filtration, heating, and lighting methodologies.
- Develop Preliminary Mechanical Equipment Layout.
- Develop Aquatic Drawings.
  - SD Level Plans, Sections, and Details.
- Develop Preliminary Utility Requirements.
- Develop Rough Order of Magnitude (ROM) Aquatic Cost Opinion.

TASK THREE: DESIGN DEVELOPMENT (DD)

This task will further detail the design developed during the Schematic Design Phase, Task Two. The design documents will identify the developed civil, architectural, structural, mechanical, electrical, plumbing and fire protection design solutions (if structures exceed 12,000 SF). Major features and components of the design solution will be documented and included in the updated cost estimate.

The general scope and deliverables for the DD phase are as follows:

- Confer with regulatory agencies and authorities having jurisdiction.
- The approved DD Package constitutes a complete concept and no further changes to the plans, elevations or building systems will be expected except to comply with construction or code requirements.
- The Mead & Hunt team is well versed in opportunities for fundraising, grants, and sponsorship but we have not included this service in our proposal at this time. We are happy to assist the City in these efforts at your request.

SITE DESIGN & ATHLETIC FACILITIES

Mead & Hunt will turn schematic design into detailed design, applying elevations to create plans. Plans will include site overviews, specific area plans, utility plans, drainage plans, etc. to develop a comprehensive bid set further in the project scope.

Mead & Hunt will prepare site renderings to be used for presentation to the public at City meetings, on the City's website and social media outlets, for sponsorship media, and through print media.

BUILDINGS/STRUCTURES

Following the selection of a primary layout and elevation scheme, Mead & Hunt will develop this one option into a comprehensive design for the structures. Our primary goal is to create a refined design that coordinates all the components and engineering systems. Final selections for materials, exterior and interior configurations will also be made.

Our architects will work closely with the City for detailed design review. Following the development stage, the City will have a firm understanding not only of what the final buildings will look like with 3D modeling, but also understand the budget required to build the spaces.

AQUATIC FACILITIES

Based on the Client approved SD Deliverables, we will develop designs of the aquatic areas systems. For the DD phase, we will perform the following tasks:

- Finalize Pool Wall Profile(s).
  - Shapes and Depths.
- Define Pool Specialty and Mechanical Equipment.
- Develop Pool Mechanical Equipment Layout.
- Develop Aquatic Drawings.
- Refine deck layout and provide general scoring and initial drainage layout.
- Aquatic Electrical Design.
  - Design of power distribution from the transformers to main building electrical panels, electrical panel locations, and breaker design, preliminary design of electrical power connections from the building electrical panels to all aquatic equipment, all required electrical interconnections between the aquatic equipment.
  - Preliminary bonding and grounding for pool reinforcing, and pool and water attraction metal components and equipment as required.
- Update Utility Requirements.
- Develop Draft Specifications.
- Conduct Inter-Disciplinary Review and Coordinate with other Consultants of the Client.
- Verify Aquatic Design for Code Compliance.
- Develop Preliminary Aquatic Construction Cost Opinion.

TASK FOUR: CONSTRUCTION DOCUMENTS (CD)

This task will develop a complete design. The general scope and deliverables for the CD phase will include plans and specifications for civil, buildings, athletic fields as well as the pool and splash pad. A milestone construction schedule will be prepared. As documents develop, coordination with regulatory agencies and authorities having jurisdiction will occur to establish a schedule for submission and/or review. Re-check DD documents for code compliance. Our team is experienced in delivering comprehensive construction documentation to ensure a smooth bidding and build.

SITE DESIGN AND ATHLETIC FACILITIES

We will develop construction document plan set which includes at least the following sheets:

- **Demolition Plan:** Prepare a demolition plan showing items to be removed from the site.
- **Layout Plan:** Prepare a layout plan showing the locations and dimensions of buildings and pertinent site features such as parking, driveways, building corners, etc.
- **Grading Plan:** Prepare a grading plan showing existing and proposed contours to 1-foot intervals, direction of drainage flow arrows, proposed spot grades to finished grade, storm sewer structure locations with the rim elevations, and storm pond (or other devices) configuration and grades.
- **Erosion Control Plan:** Prepare an erosion control plan showing erosion control feature location (details shown on the details sheets). Erosion control features will follow the WDNR Construction Site Erosion & Sediment Control Conservation Practice Standards and the Wisconsin Construction Site Best Management

Practices' Handbook. Water quality standards require an 80% reduction in sediment transport.

- **Utility Plan:** Prepare a site utilities plan sheets showing the existing and proposed utilities.
- **Landscape Plan:** Prepare a landscape plan in accordance with the Client's desired layout, look for the site, and Municipal's ordinance.
- **Detail Sheets:** Prepare the necessary detail sheets for the plan features including erosion control, paving details, utility details, etc.
- **Specifications:** Prepare specifications including general notes, erosion control, earthwork, landscaping, utilities, base course and paving, and other special provisions.

BUILDINGS/STRUCTURES

This phase includes all architectural work needed to solicit estimates and acquire permits to bid and build the project. Drawings include the following, but shall not be limited to:

- One Contract Documents Kick-off Meeting.
- Structural Floor Plans, details, and calculations.
- Architectural Floor Plans delineating the new construction, and the cross referencing of details and sections on subsequent drawings.
- Building Elevations and Sections, including notes indicating finishes, materials and any special conditions.
- Reflected Ceiling Plans to provide accurate placement of ceiling mounted light fixtures, with associated switching arrangements, and location for the required life safety devices and strobes.
- Architectural Details, Elevations, Sections, Schedules and Notes.
- Plumbing Floor Plans, Isometrics, and Details.
- Mechanical Floor Plans, Details, and Schedules.
- State of Wisconsin COMcheck Building Energy Code Compliance Review.
- Electrical and Technology Floor Plans, Details, Schedules, and One-Line Diagrams.
- Specifications Manual.
- Cost Estimate.

AQUATIC FACILITIES

- Finalize Site Details, Specifications and Estimates.
- Finalize Building Mechanical, Plumbing, and Electrical Equipment Schedules
- Assemble Final Building Mechanical, Plumbing and Electrical Details.
- Finalize Pool Equipment and Mechanical Equipment Schedules.
- Assemble Final Pool and Pool Mechanical Details.
- Generate Final Pipe Schedules and Piping Plans.
- Finalize Aquatic Drawings.
  - Pool Plans, Sections, and Details.
  - Pool Mechanical Plans, Schedules, and Details.
  - Pool Piping Plans and Piping Details.
  - Pool Structural Design.
  - Pool Mechanical Schematics.
- Finalize Definition of deck design and elevations of elements.
  - Finalize scoring and break out into pouring patterns.
- Aquatic Electrical Design.
  - Specify and locate building electrical panels and sub-panels with breakers for power supply to all pool equipment.
  - Complete layout and specification of all pool electrical equipment including electrical disconnects, VFDs, and/or motor starters for all pool pumps.
  - Provide power supply distribution schedules using the Building Electrical Engineer sub-panel breakers for all electrical pool equipment; includes coordination of distribution panel locations, design of conduit and wiring requirements, and detailing of pool equipment power.
  - Complete final bonding and grounding plans and details for all pools, adjacent decks, deck equipment, and pool electrical equipment.
- Finalize Specifications.
- Finalize Utility Requirements.
- Finalize Coordination with other Consultants of the Client.
- Perform Internal Quality Assurance Procedure.
- Address Questions and Comments from Permitting Agencies.

TASK FIVE: BIDDING

The Mead & Hunt team will ensure a smooth bidding process and guide the City through this exciting but complex milestone. This task will support the bidding process by assisting with the advertisement of the project to prospective contractors, answering contractor questions prior to bidding, issuing any necessary addendums, distributing bid documents to prospective bidders, holding a pre-bid conference, assisting with the receipt, tabulation and analysis of bids, review of post bid documentation from contractors, and providing a recommendation of the bid award. The Project Team will also assist the City during negotiation of the Contract Documents. For the Bidding phase, the Project Team will perform the following tasks:

- Respond to Requests for Information (RFI).
- Provide information and clarifications for Client's Addenda.

TASK SIX: CONSTRUCTION ADMINISTRATION (CA)

Mead & Hunt's team has robust CA experience in several fields including roadway, aquatic facility, and athletic field construction. We will ensure a smooth construction process, working with, and taking the burden off the City, to fulfill the design plans envisioned by Evansville.

This task will support the construction process by providing periodic inspection of the project site for general compliance with the plans and specifications, reviews, and responses to RFIs, project submittals, change orders, and applications for payment. We will hold a pre-construction meeting, maintain a project diary, review test reports, evaluate construction progress in accordance with proposed schedule, develop punch list of items needed to be completed, and prepare record drawings.

For the CA phase, the Project Team will perform the following tasks:

- Develop Construction bulletins.
- Participate in Revit model exchanges and BIM coordination phone calls as requested (not to exceed a once per weekly meeting).
- Review requested Submittals including Shop Drawings and other information.
- Review Contractor Change Order requests.
- Correspond with Permitting Agencies regarding aquatic questions.
- Review Contractor prepared Operation and Maintenance Manual (O&M Manual).
- Conduct Site Observations.
- Provide Field Reports on Site Observations.
- Prepare Punch list of all construction items developed which are not in compliance with the plan set and project manual specifications.
- Provide Final Walk through to verify compliance with project plans and specifications and prepare a field report with findings.
- Provide on-site meetings during construction phase to coordinate progress with all Contractors and the City.
- One year warranty review of park facilities, with records available for three years.

PROJECT SCHEDULE

Evansville Park & Aquatic Center Design and Construction		April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May>>
Task 1 - PUBLIC ENGAGEMENT															
1.1	Kick-off with City Staff														
1.2	Develop and administer online survey														
1.3	Village Committee Meeting (survey results and community charette)														
1.4	Community Charette														
1.5	Interim review with City Staff														
1.6	Stakeholder Meetings														
1.7	Interim review with City Staff														
1.8	Initial aquatic center concepts														
TASK 2 - SCHEMATIC DESIGN															
2.1	Field walkthrough, building and site inventory and analysis														
2.2	Field topographic survey, Design criteria, Civil site layout, prelim grading, code review, cost														
2.3	Wetland Delineation														
2.4	Electrical utility engagement, light fixture options/selections, schematic fixture layout.														
2.5	Building design														
2.6	Aquatic facilities design														
2.7	Athletic facilities design														
TASK 3 - DESIGN DEVELOPMENT															
3.1	3D Model Development														
3.2	Preliminary Cost Estimates														
3.3	Develop preferred building design alternative														
3.4	Aquatic facilities design														
3.5	Civil site layout, grading, pave design, constr details, storm water, cost estimate, pave														
3.6	Electrical - Main electrical raceway routing and infrastructure layout, electrical service final														
3.7	Geotechnical investigation and reporting														
TASK 4 - CONSTRUCTION DOCUMENTS															
4.1	Final Park Renderings & 3D Models														
4.2	Preferred Alternative Presentation														
4.3	Documentation, Calculations, Specifications														
4.4	Buildings - Prepare Advanced Detail Plans (90% Design) – Phase 1														
4.5	Civil -Prepare Final Const Plans, Specifications and Bidding Documents – Phase 1														
4.6	Electrical - Final raceway routing and infrastructure layout. Final photometric calculations														
4.7	Aquatic facilities construction drawings and documents														
4.8	Athletic facilities construction drawings and documents														
4.9	Meetings														
TASK 5 - BIDDING															
5.1	Buildings - RFIs, Addendums, Pre-bid mtg and review bids														
5.2	Civil - RFIs, Addendums, Pre-bid mtg, Pre-con mtg, Dist. Bid docs, review bids, meetings														
5.3	Aquatic Facilities - RFIs, Addendums, Pre-bid mtg, and review bids														
5.4	Athletic Facilities - RFIs, Addendums, Pre-bid mtg, and review bids														
TASK 6 - CONSTRUCTION ADMINISTRATION															
6.1	Civil Construction Engineering Servces														
6.2	Building Construction Engineering Services														
6.3	Aquatic Facilities Construction Engineering Services														
6.4	Athletic Facilities Construction Engineering Services														

Activity Timeframe — General Work Activity

Meeting or Activity w/ City Staff

Specific Milestone or Decision Point

LUMP SUM FEE

Evansville Park & Aquatic Center Design & Construction

			Total Task Cost
Task 1 - PUBLIC ENGAGEMENT			**$ 74,004**
	1.1	Kick-off with City Staff	$ 3,996
	1.2	Develop and administer online survey	$ 9,318
	1.3	Village Committee Meeting (survey results and community charette)	$ 3,376
	1.4	Community Charette	$ 20,274
	1.5	Interim review with City Staff	$ 2,312
	1.6	Stakeholder Meetings	$ 10,146
	1.7	Interim review with City Staff	$ 2,612
	1.8	Initial aquatic center concepts	$ 21,970
TASK 2 - SCHEMATIC DESIGN			**$ 105,854**
	2.1	Field walkthrough, building and site inventory and analysis	$ 3,278
	2.2	Field topographic survey, Design criteria, Civil site layout, prelim grading, code review, cost est, concept storm water, meetings	$ 50,005
	2.3	Wetland Delineation	$ 5,350
	2.4	Electrical utility engagement, light fixture options/selections, schematic fixture layout. Technology investigation including City security requiremements (cameras) and other desired services (revenue generation, telephone, internet, TV, etc…)	$ 3,846
	2.5	Building design	$ 14,260
	2.6	Aquatic facilities design	$ 14,115
	2.7	Athletic facilities design	$ 15,000
TASK 3 - DESIGN DEVELOPMENT			**$ 162,961**
	3.1	3D Model Development	$ 7,456
	3.2	Preliminary Cost Estimates	$ 4,480
	3.3	Develop preferred building design alternative	$ 23,792
	3.4	Aquatic facilities design	$ 56,458
	3.5	Civil site layout, grading, pave design, constr details, storm water, cost estimate, pave marking and signage, fencing, removals, prelim specs, submittals for permits, meetings	$ 48,651
	3.6	Electrical - Main electrical raceway routing and infrastructure layout, electrical service final location(s)/Quantity, preliminary photometric calculations (pathway and sports lighting), preliminary voltage drop calculations, preliminary lighting control concepts. Technology - Main techology raceway routing and infrastructure layout, preliminary camera and wifi site layouts.	$ 12,324
	3.7	Geotechnical investigation and reporting	$ 9,800
TASK 4 - CONSTRUCTION DOCUMENTS			**$ 366,674**
	4.1	Final Park Renderings & 3D Models	$ 10,320
	4.2	Preferred Alternative Presentation	$ 2,772
	4.3	Documentation, Calculations, Specifications	$ 16,452
	4.4	Buildings - Prepare Advanced Detail Plans (90% Design) – Phase 1	$ 98,704
	4.5	Civil -Prepare Final Const Plans, Specifications and Bidding Documents – Phase 1	$ 90,900
	4.6	Electrical - Final raceway routing and infrastructure layout. Final photometric calculations (pathway and sports lighting) and light fixture layouts. Final site power conductor sizing including final voltage drop calculations. Technology - Final technology layouts including raceways and cabling.	$ 12,324
	4.7	Aquatic facilities construction drawings and documents	$ 98,802
	4.8	Athletic facilities construction drawings and documents	$ 30,000
	4.9	Meetings	$ 6,400
TASK 5 - BIDDING			**$ 37,403**
	5.1	Buildings - RFIs, Addendums, Pre-bid mtg and review bids	$ 14,040
	5.2	Civil - RFIs, Addendums, Pre-bid mtg, Pre-con mtg, Dist. Bid docs, review bids, meetings	$ 15,540
	5.3	Aquatic Facilities - RFIs, Addendums, Pre-bid mtg, and review bids	$ 2,823
	5.4	Athletic Facilities - RFIs, Addendums, Pre-bid mtg, and review bids	$ 5,000
TASK 6 - CONSTRUCTION ADMINISTRATION			**$ 252,698**
	6.1	Civil Construction Engineering Servces	$ 106,185
	6.2	Building Construction Engineering Services	$ 67,440
	6.3	Aquatic Facilities Construction Engineering Services	$ 70,573
	6.4	Athletic Facilities Construction Engineering Services	$ 8,500
		Total Hours By Staff Person & Total Project Hours	
		Total Fee	**$ 999,594**

MEAD & HUNT, Inc.
Municipal Billing Rate Schedule
Effective January 1, 2021

Standard Billing Rates

Clerical	$75.00 / hour
Registered Land Surveyor	$140.00 / hour
Technical Editor, Biologist	$112.00 / hour
Technician I, Technical Writer, Administrative Assistant	$92.00 / hour
Technician II, Surveyor - Instrument Person	$112.00 / hour
Technician III	$127.00 / hour
Technician IV	$143.00 / hour
Senior Technician	$156.00 / hour
Engineer I, Scientist I, Architect I, Interior Designer I, Planner I	$124.00 / hour
Engineer II, Scientist II, Architect II, Interior Designer II, Planner II	$142.00 / hour
Engineer III, Scientist III, Architect III, Interior Designer III, Planner III	$153.00 / hour
Senior Engineer, Senior Scientist, Senior Architect, Senior Interior Designer, Senior Planner, Senior Economist	$160.00 / hour
Project Engineer, Project Scientist, Project Architect, Project Interior Designer, Project Planner	$169.00 / hour
Senior Project Engineer, Senior Project Scientist, Senior Project Architect, Senior Project Interior Designer, Senior Project Planner	$183.00 / hour
Senior Associates, Principal	$201.00 / hour

Expenses

Geographic Information or GPS Systems	$100.00 / day
Total Station Survey Equipment	$110.00 / day
Charges for other equipment may appear in a proposal	
Out-Of-Pocket Direct Job Expenses	cost plus 15%
Such as reproductions, sub-consultants / contractors, etc.	

Travel Expense

Company or Personal Car Mileage	IRS rate / mile
Air and Surface Transportation	cost plus 15%
Lodging and Sustenance	cost plus 15%

Billing & Payment

Travel time is charged for work required to be performed out-of-office.

Invoicing is on a monthly basis for work performed. Payment for services is due within 30 days from the date of the invoice. An interest charge of 1.5% per month is made on the unpaid balance starting 30 days after the date of invoice.

This schedule of billing rates is effective January 1, 2021, and will remain in effect until December 31, 2021, unless unforeseen increases in operational costs are encountered. We reserve the right to change rates to reflect such increases.

Hourly Charges/Additional Services

WTI personnel will be charged at the following rates:

Principal/Director	$200.00
Project Manager/Engineer	$150.00
Creative Studio	$130.00
Project Design	$115.00
Mechanical Design	$135.00
Technical Design	$85.00
Administrative	$60.00

These rates are valid for a period of twelve (12) months from date of an accepted proposal. These rates are not valid for work involving claims settlement, expert witness or litigation work. Additional services, if requested by Client, will be performed on a stipulated sum or hourly basis, as agreed to in writing by both parties prior to initiating the additional services.

Reimbursable Expenses

Expenses and services not directly provided by WTI will be invoiced at one and 10/100 (1.10) times cost. Reimbursable expenses include travel expenses, printing of drawings and/or specifications and expedited delivery service. International travel is business class air. Domestic airfare will be premium economy (changeable and refundable). These costs are not included in WTI's fee unless specifically noted as included in our proposal. Air fares are based on seven (7) days advanced purchase. Costs associated with customer requested modifications to travel arrangements after purchase by WTI will be an addition to the contract sum.

Additional Project Related Costs

The following costs are not included in our proposal and should be anticipated in the owner's budgeting: geotechnical services and reports, topographic and boundary surveys (site surveys), testing, project related insurance, legal and safety consultant services, permits and fees, and marketing and operations development.

Point of Beginning

PROFESSIONAL SERVICES FEE SCHEDULE

Engineering Division

Design Engineering

Principal	Per Hour	$	140.00
Director of Engineering	Per Hour	$	135.00
Design Engineer I	Per Hour	$	125.00
Design Engineer II	Per Hour	$	100.00
Design Engineer III	Per Hour	$	90.00
Design Engineer IV	Per Hour	$	80.00
Design Engineer V	Per Hour	$	65.00
Landscape Architect I	Per Hour	$	110.00
Landscape Architect II	Per Hour	$	80.00
Landscape Architect III	Per Hour	$	65.00

Construction Engineering

Principal	Per Hour	$	140.00
Director of Construction Engineering	Per Hour	$	130.00
Construction Engineer I	Per Hour	$	125.00
Construction Engineer II	Per Hour	$	90.00
Construction Engineer III	Per Hour	$	80.00
Construction Engineer IV	Per Hour	$	65.00
Construction Technician I	Per Hour	$	80.00
Construction Technician II	Per Hour	$	75.00
Construction Technician III	Per Hour	$	65.00
Construction Technician IV	Per Hour	$	45.00

Surveying Division

Principal	Per Hour	$	140.00
Director of Land Surveying	Per Hour	$	105.00
Professional Land Surveyor	Per Hour	$	100.00
Project Manager	Per Hour	$	90.00
Surveyor I	Per Hour	$	85.00
Surveyor II	Per Hour	$	75.00
Surveyor III	Per Hour	$	65.00
Survey Crew	Per Hour	$	115.00
Survey Crew Assistant	Per Hour	$	45.00
Transportation Survey Crew	Per Hour	$	175.00
Transportation Survey Crew Assistant	Per Hour	$	45.00

Testing Fee Schedule

Proctor Density Test (Sand)	Per Test	$	165.00
Proctor Density Test (Clay/Silt)	Per Test	$	165.00
P200, Concrete Aggregate Testing	Per Test	$	120.00
Gradation Concrete (Sand/Aggregates)	Per Test	$	120.00
Gradation Base Court	Per Test	$	80.00
Concrete Cylinder Breaking	Per Cylinder	$	30.00
Nuclear Density Gauge ($55/Day Max)	Per Hour	$	10.00
Dynamic Cone Penetrometer ($50/Day Max)	Per Test	$	110.00

Machine Control Division

Machine Control Tech I	Per Hour	$	90.00
Machine Control Tech II	Per Hour	$	65.00
Machine Field Support I	Per Hour	$	115.00
Machine Field Support II	Per Hour	$	45.00

Administrative & Expenses

Administrative Services	Per Hour	$	65.00
Mileage	Per Mile	$	0.585
Direct Reimbursable	Each	$	Cost

Notes:

[1] Transportation Survey Crew rate reflects prevailing wage rate pay.

[2] Any delays or cancellation of work on site for material testing will be charged at the appropriate hourly rates for time spent.

Point of Beginning