City of Duluth

Professional Design Services for Chambers Grove Park

September 24, 2015

LHB
PERFORMANCE DRIVEN DESIGN.

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Principal
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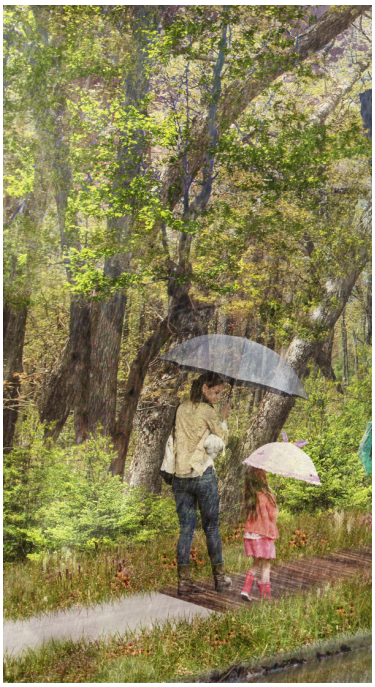

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September 24, 2015

City of Duluth
Attn: Purchasing Division
City Hall, Room 100
411 West First St
Duluth, MN 55802

RE: PROFESSIONAL DESIGN SERVICES FOR CHAMBERS GROVE PARK FLOOD RECOVERY & IMPROVEMENTS

Dear Selection Committee,

Thank you for the opportunity to present a proposal for the Chambers Grove Park Flood Recovery and Improvements project. We are confident that we can help the City of Duluth achieve its goals to make the park whole again, while also providing an enhanced community experience. Our in house team of landscape architects, designers, and engineers has extensive experience with similar projects and have worked with many communities to improve park user experience while also being sensitive to the unique history and natural beauty of the area. We have included several examples that showcase our varied work ranging from regional trails and parkways that utilized DNR Legacy Parks & Trail Funds, to restoring neighborhood and community parks, playground facilities, ADA building facilities, and multi-use systems. Our familiarity with Chambers Grove Park includes not only the Park itself but the adjacent roadway and bridge structures as well. Under separate projects for MnDOT we have performed load rating and condition evaluation work for the TH23 Bridge over the St Louis River and recently completed a geometric alignment and profile study for reconstruction of TH23 from the north end of the St Louis River Bridge to approximately 1 mile north including an evaluation study of the historic stone masonry arch bridge at Mission Creek. This work also included detailed study of the hydraulics of Mission Creek and the effects of the June 2012 flood.

The following proposal outlines a scope of services ranging from Schematic Design through Construction Administration. Based on our understanding of your project goals and budget, we have included a breakdown of anticipated tasks in our Work Plan; we hope that this information will assist you in defining how to best proceed with your project.

We are excited to work with Duluth staff and the community to help shape the future of Chambers Grove Park and the Fond du Lac neighborhood. Please contact Heidi at 218.279.2429 if you have questions or require any additional information. We acknowledge that this proposal will be valid for 120 days, or until a contract is executed.

We look forward to hearing from you.

Sincerely,
LHB, Inc.

Joseph Litman, PE
Project Principal

Heidi Bringman, PLA LEED BD+C
Project Manager

II-1: Statement of the Problem

The City of Duluth is seeking assistance for landscape architecture, architecture and engineering services for the restoration and redesign of Chambers Grove Park, a 15.93 acre community park situated along the St. Louis River in the Fond du Lac neighborhood. Chambers Grove Park, along with many other areas in the far western end of the City, was significantly damaged during the June 2012 flood. LHB understands that the City has obtained $1 million in funding through a Minnesota DNR Parks and Trails Legacy Grant for flood recovery and park improvement efforts for this site. State funds will be used to address the damage caused by flooding and will provide overall park improvements including the demolition and replacement of a toilet facility (ADA compliant), improved parking and road access, implementation of two trailheads, an accessible route to the picnic pavilion, a new uniquely-themed playground with ADA access, dumpster screening, relocation of a WWII Veteran's Memorial, relocation of outdoor gazebo structure, entrance sign and security gate enhancements, hillside embankment stabilization, landscaping improvements, as well as the creation of a new wet meadow, fishing pier, boardwalk, and a canoe/kayak public water access. The $1 million project budget includes design fees, regulatory documentation and authorization, testing, special inspections, construction, and construction administration services. Also included in the project budget is construction administration for the stormwater management project which will be constructed at the same time as the park improvements, however, it will be designed under a separate contract by the City Engineering Department.

We are aware that this project is part of a larger network of projects that are currently going on in Chambers Grove Park, along the St. Louis River Corridor, and within the River Estuary's Area of Concern (AOC). It is clear to us why the City and environmental agencies have selected the St. Louis River Corridor – estuary and neighboring communities – for restoration, revitalization, and redevelopment efforts. The area is full of natural beauty, yet some lands have been damaged by flooding or past industrial activities, and have been neglected for some time. This particular park recovery and improvements project will work hand in hand with the nearby River Restoration project, as well as the Stormwater Management project to collectively elevate Chambers Grove into a park of regional status. In doing so, the City's larger economic and development goals to increase outdoor recreational park use, enhance neighborhood quality of life, engage tourism and attract new residents to the area will also be achieved.

As a solutions-driven firm, we have extensive history working with the City of Duluth, and are actively engaged, both as users and designers, in many of the City's areas of respite. We have reviewed the project area, and are confident that our team will be able to fully address the needs of Chambers Grove, while creating an exceptional park.

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II-2 Management Summary

LHB provides an integrated approach to project management that ensures the most efficient use of staff resources to meet project objectives on time and within budget. We will work proactively with the City to define and prioritize project goals, anticipate potential obstacles to successful completion, and work aggressively to maintain project schedules to deliver the desired outcome. The project will be led by Heidi Bringman, PLA, who will serve as Project Manager, and Joe Litman, PE, who will serve as Project Principal

As Project Principal Joe will be responsible for:

- Development of the LHB project Contract with the City and billing process.
- Mentoring and assisting project staff.
- Quality assurance and quality control.

Heidi Bringman will be the primary City contact for the duration of the project. She brings to this project an understanding of local and regional landscapes, ecological and natural systems, and a strong belief in educating the general public and stakeholders on the importance of sustainable and environmentally sensitive design. Heidi is passionate about Duluth, and has served as a Board Member for the St. Louis River Alliance since 2013. As part of her recent work with the Alliance Board she assisted in developing an updated vision, which is to live in balance with a vibrant economy and a healthy ecosystem, as well as a mission and strategic plan that focuses on building connections between the community and the St. Louis River. In addition to being a licensed landscape architect, Heidi is a certified delineator and wetland specialist who has extensive knowledge in vegetative management, including working with invasive species, native plant design, and habitat restoration. We are confident that Heidi is uniquely qualified to deliver a successful project that meets the City's goals.

As Project Manager Heidi will be responsible for:

- Project staffing.
- Day to day communication with the City's Project Manager.
- Monitor in-house progress to achieve project milestones on schedule.
- Prepare agendas for meetings and meeting minutes.
- Facilitate public meetings and public outreach.
- Communication with all of the project team members.
- In charge of overall project quality control.

A list of items to be delivered are included in the Work Plan section of this proposal.

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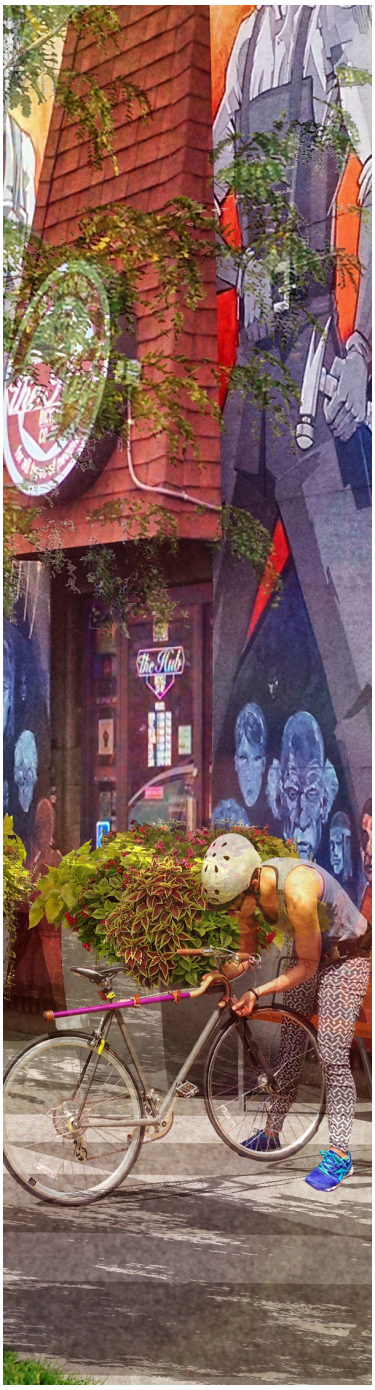
II-3 Work Plan



Task 1 - Design Project Management

Heidi will oversee the entire project from initiation and completion. She will be supported by all LHB's resources.

LHB	• Prepare and distribute project correspondence. • Monitor project budget. • Quality Control and Assurance. • Communication with City staff and the public. • Facilitate bi-weekly design meetings with the City from project kick-off through construction documents. • Facilitate weekly construction meetings on site throughout the duration of the project.
City	• Timely project coordination, comments, and review/ feedback to questions during design. • Provide available survey, topographical data, and known utility information. • Provide anticipated schedules, if any.
Deliverables	• Project correspondence, including meeting agenda and minutes, reports, and handouts.

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II-3 Work Plan

Task 2 - Public Involvement and Participation

LHB believes in participatory design strategies that truly engage stakeholders. The process must be one that is shared among the diverse interests involved in the project and one that encourages stakeholders to forge a new common language as they move forward. This process, which focuses on exploration and discovery, helps stakeholders better understand their own stance, the issues they face, and the opportunities that lie ahead. It creates compelling yet appropriate solutions to tough problems and allows for a more strategic approach to implementation.

Engaged, well-informed stakeholders become supporters and advocates for projects. They produce creative ideas which become inspiring and practical solutions and strategies. They become invested in the project's success. LHB knows how to develop this level of engagement and support and how to harness it to develop real solutions to project issues and problems.

We are glad to hear that the Fond du Lac neighborhood has already participated in the planning efforts thus far and that the project is widely supported by the community, stakeholders and City staff.

LHB	• Facilitate and lead public meetings (4 Public meetings assumed) • Prepare descriptive visual exhibits and layout documents to communicate the project design goals to the public and solicit input. • Prepare documentation of items discussed and comments received at meetings.
City	• Participate in public meetings and ensure key staff are in attendance.
Deliverables	• Graphic and layout exhibits. • Meeting minutes and summary document of public input process.

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II-3 Work Plan

Task 3 - Regulatory Permitting & Approvals

LHB will assist the City in coordinating all efforts for regulatory submittals and approvals from the MnDNR, Minnesota Land Trust, Army Corps of Engineers, SHPO, THPO, and the City of Duluth. We anticipate submitting plans to the DNR for review and state approval at the SD, DD, and CD levels.

As currently scoped, the project will likely disturb more than 1-acre of site soils therefore a SWPPP plan will be required to address temporary sediment, erosion control during construction. LHB will perform the required design and analysis in accordance with the General Permit and will prepare the NPDES permit to be included in the project special provisions.

Of special note, during a preliminary park site visit, LHB has reason to believe there may be wetlands existing on site. If this determination proves to be true, a wetland delineation will need to be conducted and approved by regulatory agencies having jurisdiction. We have included wetland delineation and permitting hours in our proposal. Please note that all field delineation work and regulatory reviews will need to be conducted during the official growing season (approximately mid-May to mid-October).

Upon completion of the wetland delineation and regulatory approval, the official wetland boundary will be incorporated into the survey drawing and provided to the City. If wetland impacts cannot be avoided, a joint permit application for Activities Affecting Water Resources in MN will be required.

LHB	• Provide documentation and coordinate regulatory submittal efforts with all associated agencies, including MnDNR, Minnesota Land Trust, Army Corps of Engineers, SHPO, THPO, City of Duluth, Parks Commission, City Council, and Fond du Lac neighborhood. • Wetland delineation and report.
City	• Provide relevant data for all application forms and documentation. • Review application/permit forms and provide signature. • Arrange for meeting facilities as needed. • Distribute information about public meetings.
Deliverables	• Copies of agency correspondence, and records of conversations/coordination. • Delineation Report with Wetland Map • Documentation of Wetland Boundary Regulatory Approval. • Complete NPDES permit application.

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II-3 Work Plan

Task 4 - Schematic Design

The LHB design team will prepare schematic diagrams giving the general view of the park improvements and overall scale of the project. Throughout the schematic design phase, the City's needs and goals will be re-evaluated in connection with how they will develop into real spaces and within the project budget. The following is a list of desired park programming components that will be incorporated into the Schematic Design.

Site

- Trailhead for Duluth Traverse Trail (western terminus)
- Trailhead for Gateway Flow Base Trail
- Hillside Enbankment Stabilization (6,000 sf area)
- Wet Meadow planting and native tree landscaping
- Improved Access Road and Parking to accommodate 30 vehicles
- Improved pathways with ADA accessibility to picnic pavilion & restroom building
- Boardwalk trail to historic quarry
- Site furnishings including bike racks, picnic tables, grills, benches, trash receptacles
- Improved playground area with unique theme for all ages and abilities
- Small watercraft river entry point (non motorized, canoe/kayak)
- Swimming Access & Fishing Pier
- New location and improved setting for wedding gazebo
- New monument sign at park entrance and security gate
- New location and/or improved accessibility of WWII Veteran Memorial monument
- Dumpster screening
- Energy efficient site lighting
- Historic story-telling with signage and possible kiosk

Architecture

A new accessible restroom facility will be constructed at the location of the former restrooms to better serve and accommodate visitors. This approximately 1,600 sf structure will incorporate durable construction materials that speak to the park's rugged past while creating minimal maintenance for the future. The building will implement energy and water conservation strategies such as low flow fixtures, motion sensing LED lighting, and solar panels to better minimize negative environmental impacts while demonstrating community commitment to protecting the riverfront.

LHB	• Schematic graphics will include simple site plans, 3D views, and rough conceptual sections to communicate the design goals to the public and solicit input.
City	• Timely project coordination, comments, and review/ feedback questions during design.
Deliverables	• Schematic level color site plan with additional support graphics for final City review and approval.

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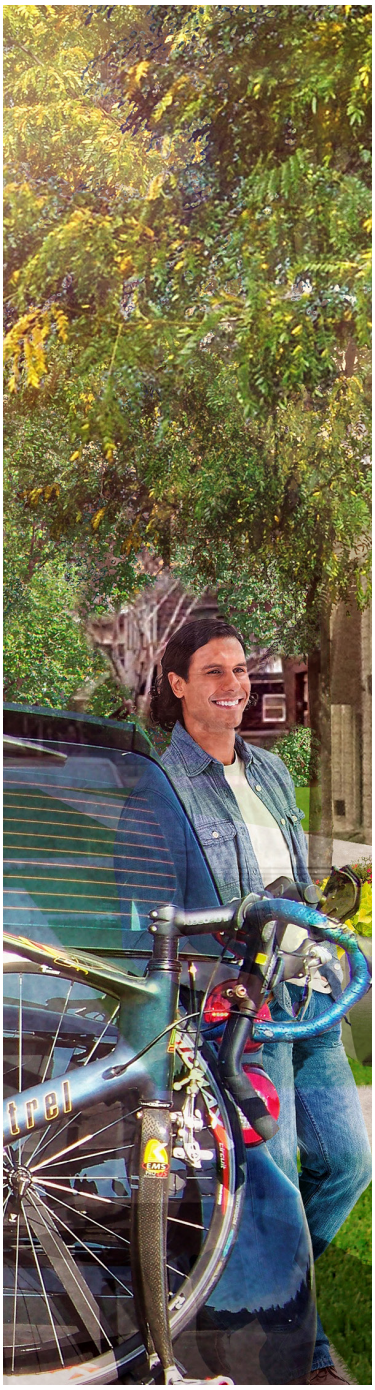
II-3 Work Plan



Task 5 - Design Development

The design development phase will consist of moving the schematic design into the construction documents phase. Further development of spatial dimensions, material identification, systems and establishing quality standards will be addressed. Preliminary specifications and a professional opinion of cost will alsobe created during this phase. We recommend hiring a geotechnical subconsultant for up to two (2) soil borings and a Geotechnical Report for the final toilet building and monument sign locations (s). We have included an estimated subconsultant fee for this work in our cost proposal.

LHB	• Complete and submit 60% design plans -- complete design to the level that all significant design decision have been addressed to properly construct the project. • Geotechnical investigation - LHB subconsultant
City	• Review and provide feedback on 60% design plans as desired.
Deliverables	• 60% design submittal. • 60% Professional opinion of cost • Project geotechnical report

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II-3 Work Plan

Task 6 - Construction Documents

This task includes the completion of a final design and preparation of the detail construction plans and specifications. Preparation of Construction Documents will include the following.

- Existing Conditions Plan
- Removals & Erosion Control Plan
- Site Layout & Surfacing Plan
- Grading, Utility, and Drainage Plan
- SWPPP
- Landscape Plan
- Architectural Building Plan
- Structural Building Plan
- Electrical Site Plan
- Standard Notes & Construction Details
- Project Specifications

The final plans will be prepared in accordance with City of Duluth UDC code requirements and will be submitted along with a final opinion of construction cost.

LHB	• Complete and submit 95% and 100% plan submittals - complete design to biddable level, including quantity takeoffs and construction details.
City	• Review and provide feedback on 95% plans.
Deliverables	• 95% design submittal to City. • 100% Final Plan submittal to City. • Bid-ready special provisions. • Final opinion of cost.

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II-3 Work Plan

Task 7 - Bidding Assistance

LHB will assist the City during the bidding period.

LHB	• Answer bidder's questions and issue addenda as needed during the bidding process. • Review bids for completeness and provide City with a recommendation.
City	• Timely project coordination, comments, and review/ feedback questions during bidding.
Deliverables	• Bid award recommendation. • Addenda (as required).

Task 8 - Construction Administration

LHB will provide the City with Construction Administration for the Chambers Grove Flood Recovery and Improvements project as well as the Stormwater Management Project (design to be conducted by the City Engineering Department).

LHB	• Facilitate one pre-construction meeting with the selected contractor. • Provide weekly on-site site observation of construction progress by construction lead - to be coordinated by weekly construction meetings. • Facilitate weekly on-site construction meetings for the duration of the project. • Prepare ASI's, PRs, Change Orders (CO) as necessary. • Review and approve pay applications. • Prepare final site review and punch list upon substantial completion.
City	• Attend pre-construction meeting. • Attend weekly on-site construction meeting for input. • Review and approve CA documentation.
Deliverables	• Provide City with final record drawings in paper and electronic format.

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II-3 Work Plan

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Schedule

The following schedule of milestone dates is anticipated:

RFP Submittal:	September 24, 2015
Consultant Selection:	TBD
Notice to Proceed:	Mid October, 2015
Kickoff Meeting with City of Duluth:	Late October, 2015
Wetland Delineation:	October 2015
(ASAP)	
Schematic Design:	Oct 15- Nov 15, 2015
Design Development:	Nov 15, 2015 –January 1, 2016
Construction Documents:	January 1 – February 15, 2016
Bid Advertise:	February 15-February 29, 2016
Award Construction Contract:	March 15, 2016
Construction (50% complete):*	April 15, 2016 – June 30, 2016
Construction Complete/Project Close out:	September 1, 2016

*LHB is aware that $500,000 of the Legacy Grant funds will need to be incurred by June 30, 2016. The remaining $500,000 will need to be spent by June 30, 2017.

Public Meetings

1st Public Meeting:	November, 2015
2nd Public Meeting:	January, 2016
3rd Public Meeting:	March, 2016
4th Public Meeting:	May/June 2016

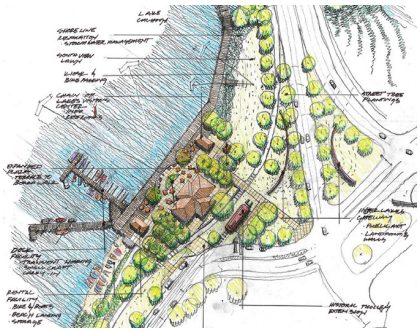
II-4 References

LHB is a collaborative environment, as a result, many of our staff have worked together on numerous projects and client efforts. In the following pages are our qualifications to lead this project. Individual staff resumes list these experiences in addition to countless others. It is our hope that this format will fully reveal our capacity to deliver a successful project.

Roseville Parks
Jeff Evenson
Parks Superintendent
Roseville City Offices
2660 Civic Center Drive
Roseville, MN 55113
651.792.7101

Superior Parks
Mary Morgan
Parks and Recreation Administrator
City of Superior
1316 North 14th Street
Superior, Wisconsin 54880
715.395.7279

Minneapolis Parks
Michael Schroeder
Assistant Superintendent for Planning
City of Minneapolis
2117 West River Boulevard
Minneapolis, MN 55411
612.230.6467



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II-4 References

Beaver Bay Trailhead Design

Project Type
Bike and Trail Design
Beaver Bay, MN

Client
Lake County

Trailhead Groundbreaking Ceremony

LHB prepared design plans and is currently assisting Lake County with the construction of the Beaver Bay Trailhead which will highlight the Beaver Bay River creating a unique destination along the Gitch-Gami State Trail. The project consists of upper and lower parking lots at the Beaver Bay History Center and Beaver River Parking lot, respectively.

The project includes a seasonal restroom facility, informational kiosks, pedestrian facilities, benches, bike racks, retaining walls and landscaping amenities and required coordination with local and regional stakeholders including the City of Beaver Bay, DNR and Mn/DOT as well as private utility owners. The funding for the project is through State Aid and Enhancement Funds.

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II-4 References

Marshall Site Legacy Project

Project Type
Park Development
Marshall, MI

Client
Enbridge

As part of its commitment to restore the Kalamazoo River between Battle Creek and Marshall, Michigan, Enbridge has been working with the community to complete a series of river access sites. LHB has designed and overseen the construction of playgrounds, restroom facilities, boat launches, parking areas, interpretive markers, and other park elements at several locations. With an accelerated schedule, this project highlights LHB's ability to provide quality documents that become valued places in a timely fashion.

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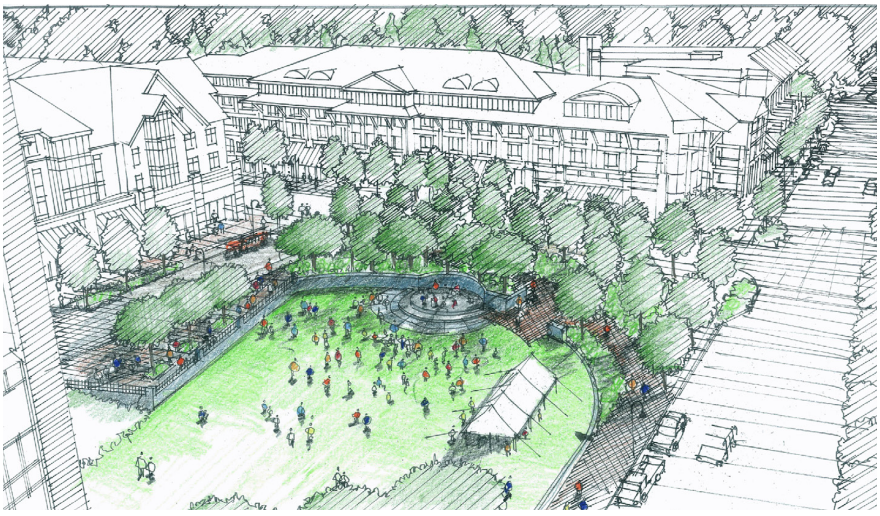
II-4 References

Wayzata Bay Center Redevelopment

Project Type
Urban Design
Wayzata, MN

Client
Wayzata Bay
Redevelopment Company



In the redevelopment of the Wayzata Bay Center, parks and public spaces provide a focal point for retail shops and restaurants, senior and conventional housing, offices, and a hotel to create a vibrant, pedestrian-centered mixed-use district in downtown Wayzata.
LHB worked with the client, the City of Wayzata, community members, and a team of architects to shape a master plan for the district. In the plan, the 14 acre site is divided by new streets to create six blocks reflecting the idiosyncratic pattern of blocks found in downtown Wayzata. One of the blocks will become a new public space for the community, prominently located along Lake Street and becoming the centerpiece of the district and a focus for downtown activities. A park and play area along the site's easterly boundary serve project residents and visitors, as well as neighbors living to the east of the site, while enhancing a natural edge to the project.

Innovative technologies and sustainable strategies are integrated into the project, providing heating and cooling with geothermal energy, eliminating the need for snow removal equipment and chemicals by heating streets and sidewalk to melt snow, serving the parking needs of the project without surface parking lots, creating more than two acres of green roofs, and establishing a near-zero runoff solution by infiltrating 100-year rainfall within the bounds of the site.

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II-4 References

Project Type
Park and Trail Development
St. Paul, MN

Client
St. Paul Parks and Recreation Department

Lilydale Regional Park: Phase I Road and Trails

Lilydale Regional Park is a 636 acre park located in the south central Mississippi river flat area of St. Paul. The park provides hiking and biking trails, fossil hunting, fishing, and more.

LHB has developed a master plan through an extensive public process for the redevelopment of the park.

Key design components of the park's development will be a new parkway road, additional on and off road trails, rest areas, an open space park pavilion located on the shores of Pickerel Lake, and a gateway monument. With these projects, signage and environmental remediation programs will be implemented throughout the park.

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II-4 References

Grassy Point Trail, Bog Walk, and Bridge

Project Type
Grassy Point Trail Design, Brownfield Redevelopment, and Construction Administration
Duluth, MN

Clients
MnDNR and
City of Duluth

Site Development

Adjacent to Keene Creek, Duluth's Grassy Point is the former site of an abandoned lumber mill and brownfield area where sawmill wastes had settled into the wetland causing environmental contamination. The Minnesota Department of Natural Resources (DNR) selected LHB to assess if there were chemical contaminants in the area. LHB designed a two-phased plan to mitigate and restore the creek and wetland habitat. Aerial photography was used to create a topography map of the Grassy Bay Area.

This data was incorporated into the soil boring information to determine locations of wood debris. The plan included the removal of approximately 28,000 cubic yards of wood debris from the habitat, which was imperative for environmental and aesthetic purposes. LHB provided construction administration, staking and cross-sections for the removal of the debris, which was scheduled to take place during winter conditions.

Trail Design

In the second phase, LHB designed a "bog walk." This quarter mile trail is an extension of the previously constructed Keene Creek bike and pedestrian trail that starts at the Irving Community Center. This new trail through Grassy Point includes a wood board walk, floating fishing dock and a bridge. The intent of the trail is to allow pedestrians to observe migrational birds in a wetland habitat. The wetland habitat was part of an earlier LHB project that created access to an industrial park on the St. Louis River. The culmination is an observation platform by the St. Louis River where trail users can observe and photograph wildlife.

Part of this above-grade trail in the wetland is supported by floating platforms that are designed to withstand the elements. This was the first time this type of material was used on a Duluth trail. In addition, the trail is handicap accessible. LHB provided design through construction administration services for the trail.

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II-4 References

Wetland Services for MnANG Base Roads

Project Type
Wetland delineation, permitting assistance, wetland mitigation design, 5-year compliance monitoring and reporting
Duluth, MN

Client
Minnesota Air National Guard (MnANG)

In 2005, a new mile-long entry road was constructed to provide better access to the Minnesota Air National Guard Military Base (MnANG). As part of the project, LHB delineated wetlands, designed a route that minimized impacts, and identified possible wetland mitigation sites within the project limits. The new road alignment disturbed 1.70 acres of wetlands, and as compensation for the unavoidable wetland losses, LHB worked with local, state, and federal agencies to develop an on-site replacement plan. The result was the creation of four new wetland cells located between the new entry road and existing wetlands.

Two planting zones were designed for each wetland area; a sedge meadow zone and a wet meadow zone. The sedge meadow zones were planted with native forbs that prefer wetter conditions, while the wet meadow zones were planted with live plugs that do well in saturated soils. In addition to the 1,500 pots and live plug plantings, all four wetland areas were seeded and mulched with a wetland seed mix primarily consisting of grasses and rushes.

Water quality benefits of these on-site wetlands include trapping sediments and absorbing important nutrients, as well as assisting in stormwater and floodwater retention. Because of good water quality, these created wetlands are home to many micro-organisms, amphibians, insects and provide good habitat for waterfowl and wildlife.

As part of the permit, LHB monitored the wetlands for five years to assure hydrology, hydric soils, and hydrophytic vegetation were present.

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II-4 References

Stewart Creek Bridge and Snively Monument Restoration

Project Type
Bridge Restoration and Historical Preservation
Duluth, MN

Client
City of Duluth

Recognition
Minnesota Preservation Award, 2014

Bridge L6007 (aka Stewart Creek Stone-Arch Bridge) was listed on the National Register of Historic Places in 1989 in the area of engineering as an exceptionally picturesque example of a stone-arch bridge. Situated alongside the bridge sits the Snively Monument, and is a contributing property to Skyline Parkway, a historic district that has been determined eligible for listing on the National Register.

The bridge, built in 1891, had sustained significant flood damage and deterioration to the abutment walls, stone arch underside, headwalls, wing walls, railing, and guard stones. Bridge rehabilitation included re-pointing of stone masonry, replacement of missing stones, arch excavation, damp proofing, drainage systems, and roadway grading.

The Snively Monument, built between 1924 and 1926, as a whole, was categorized as being in very poor condition. The water basin for the drinking fountain had fallen from the wall, the stone cascade, which serves as an outfall for a natural stream into a reflecting pool no longer carried the stream, and the stream had begun to flow north of the cascade and down the retaining wall. The reflecting pool was completely silted in. Other missing elements included the south boulder that stood behind the retaining wall next to the stone cascade, the picnic area, and the stairway leading to this area.

As with any project, there were essential keys to success. With confirmation of the ability to obtain the stone, assurances from masonry contractors in the ability to set stone to the original patterns, and a proven process to document the original features, the rehabilitation scope for the Stewart Creek Bridge and Snively Monument was developed.

The project work scope included abutment walls, stone arch underside, wing walls, railing and guard stones, arch excavation, damp proofing and drainage systems, roadway grading, monument flagstone terrace, and monument retaining walls, waterfall and pool. Where it was possible, was the use of local and sources for materials and use of stones from on-site where possible.

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II-4 References

TH 169/Pokegama Lake Causeway

Project Type
TH 169/Pokegama Lake Causeway
South of Grand Rapids, MN

Client
Minnesota Department of Transportation (Mn/DOT)

The Pokegama Lake Causeway project is located just south of Grand Rapids, Minnesota. It includes approximately one mile of causeway reconstruction bridging TH 169 across Pokegama Lake. The project also included the creation of a well lit trail along the picturesque waterfront.

LHB understands the importance of creating public spaces that are environmentally pleasing, as well as socially and economically sound.

During the planning process, LHB considered the lake's aesthetic beauty, water quality issues, fish habitat, and public spaces, ensuring that each component of the project maintains high performance standards.

LHB prepared the EA/EAW for Mn/DOT and ran the required public hearings to get environmental approval on the project.

Walkers, bikers, fishing enthusiasts, and swimmers will appreciate the attention to larger, wider pedestrian areas. Car/RV parking, access to a private beach and restaurant, and boat moorings add convenience and improve upon existing facilities. The design was completed in late fall of 2004 and allowed for two future lanes of traffic and possible educational information displays along the trail.

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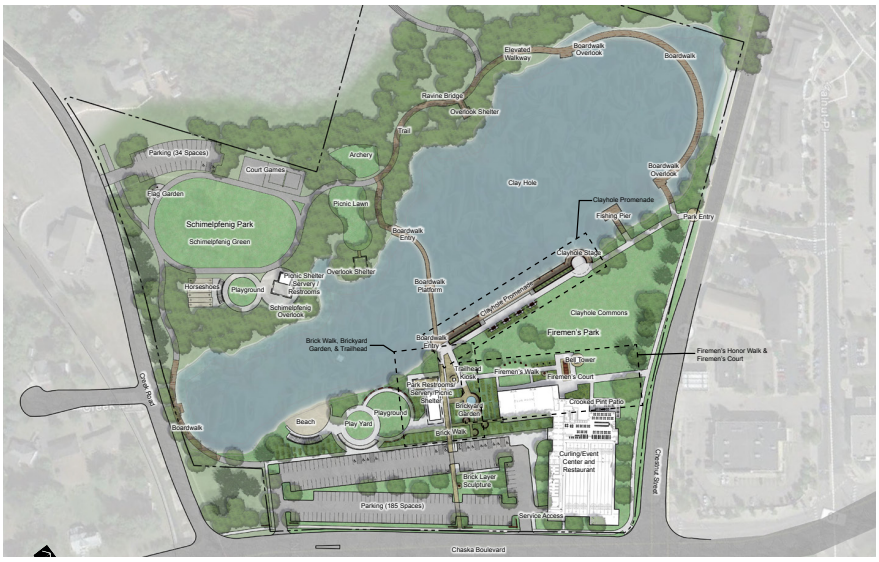
II-4 References

Project Type
Master Planning
Chaska, MN

Client
City of Chaska

Firemen's Park Master Plan



Based on an initiative for creating an activity generator to support Downtown Chaska, LHB, in partnership with the 292 Design Group, is helping the City of Chaska to develop a facility for curling and events along with a private sector restaurant as a part of Firemen's Park. The new building, with curling as a focal activity, and the surrounding park will become a regional destination. It will have a significant role in both the context of Chaska's downtown as it is today, as well as its history.

The master plan for the project includes extensive renovation of Firemen's Park and Schimelpfenig Park. The master planning process has engaged park user and interest groups to better understand the needs and desires of each group and to share the underlying intentions of the project.

The objectives of the process include maintaining and enhancing existing park elements that have been popular to Chaska residents, including play apparatus, a swimming beach, fishing docks, park shelters, and trail connections. It also includes developing a trailhead in the downtown business district, creating a continuous walkway around Clayhole Lake, renovating park sites to accommodate as many different constituents as possible, and incorporating the meaningful history of this site.

LHB PERFORMANCE DRIVEN DESIGN.

II-5 Personnel

Landscape Architecture and Planning Group

Markets Served
- Pipeline and Utilities
- Public Works
- Industrial
- Housing
- Healthcare
- Government
- Education
- Commercial

Services Provided
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering
- Structural Engineering
- Land Surveying
- Architecture
- Interior Design
- Landscape Architecture + Planning
- Historic Preservation
- Performance Metrics™

Locations

21 West Superior Street,
Suite 500
Duluth, MN 55802
218.727.8446, 218.727.8456 Fax

701 Washington Avenue North,
Suite 200
Minneapolis, MN 55401
612.338.2029, 612.338.2088 Fax

63 East Second Street, Suite 150
Superior, WI 54880
715.392.2902
www.LHBcorp.com

ENERGY STAR PARTNER

U.S. GREEN BUILDING COUNCIL MEMBER

MINNESOTA B3

LHB PERFORMANCE DRIVEN DESIGN.

LHB, Inc. is a full-service design firm providing services in architecture, landscape architecture, interior design, engineering, planning, and surveying. With a staff of 250, we provide interdisciplinary services from offices in Minneapolis, Duluth, and Superior, WI. Since 1966, LHB has focused its talents and expertise on providing creative, practical, and cost-effective high-performance design solutions.

LHB recognizes that the design process should look far beyond the project bounds. We approach each project with a holistic vision and the understanding that sustainable designs and sustainable client relationships require more than a traditional design philosophy. LHB's design practices not only preserve the earth's fleeting resources but provide substantial financial benefits for the end user by creating healthy, long-lasting, and vibrant environments.

The Landscape Architecture and Planning group at LHB is dedicated to providing community design and planning services to communities throughout the Midwest. Using participatory design strategies—ones that truly engage stakeholders—LHB helps a community frame a vision of its future, one that is shared among the many diverse interests of the community, and one that encourages a community to forge a new common language as they move forward. This process, which focuses on exploration and discovery, helps communities better understand themselves, the issues they face, and the opportunities that lie ahead. It creates compelling yet appropriate solutions to tough problems, and allows for a more strategic approach to implementation based on the community's unique resources. But most important, the process creates the lasting belief in the sense of community and the willingness for a community to make investments in themselves, their institutions, and their environment.

As a result of our commitment to sustainable design and community involvement, LHB's Landscape Architecture and Planning group works on an incredibly diverse range of projects—from community master planning to high-end residential landscapes, from private developments to public park and trail design, from affordable housing projects to streetscape design. This broad range of projects allows LHB's designers to bring fresh ideas and perspectives to every project type. We don't apply cookie-cutter solutions to our unique projects because we believe that the best designs are a result of a process that responds to the context of each project and provides the end user with the best possible experience.

II-5 Personnel

Joseph D. Litman, PE
Project Principal

Registration
Licensed Professional Engineer in Minnesota

Certification
Mn/DOT Certified Bridge Inspection Team Leader

Affiliation
American Society of Civil Engineers, Duluth Section, Past President
Lake Superior College Advisory Board

Education
Bachelor of Science, Civil Engineering, University of Minnesota

Recognition
Grand Award from the American Council of Engineering Companies of Minnesota (ACEC/MN) for TH 53/ Piedmont Avenue
Grand Award from the American Council of Engineering Companies of Minnesota (ACEC/MN) for MinnTac Bridges

Joe has more than 28 years of experience in project management, structural design and construction administration of parking ramps, industrial structures, buildings and bridges. His experience includes conventionally reinforced, post-tensioned and prestressed concrete, masonry, timber and steel structures. Joe has served as project manager for the design and construction administration of numerous LHB projects ranging from multimillion dollar industrial structure renovations to small scale timber and masonry structures.

Joe has performed construction administration and field inspection on a number of bridge construction projects in accordance with Minnesota Department of Transportation and Federal Highway Administration construction requirements. His field experience involves numerous bridge types including post-tensioned reinforced box girder, reinforced box girder, plate girder, prestressed concrete girder, prestressed concrete beam, concrete slab, steel girder, steel beam, steel truss and timber. Joe will be located in the Duluth office, and has been with LHB for 27 years.

Project Experience *(*Experience prior to LHB)*

- MNDNR Gitchi Gammi State Trail: Tofte to Schroeder; Tofte/ Schroeder, MN
- Saint Paul Parks and Recreation Dept; Lilydale Regional Park, Phase I Road and Trails; Saint Paul, MN
- Pine County Public Works; Pine City Bike Trail; Pine City, MN
- Dakota County; North Urban Regional Trail Phase II; Mendota Heights and West Saint Paul, MN
- Carlton County; Esko Pedestrian and Bike trail; Esko, MN
- Pedestrian Walkway Rehabilitation and Retaining Wall Construction; Duluth, MN
- DTA Multimodal Facility; Duluth, MN
- Essentia 3rd Street Parking Structure Replacement; Duluth, MN
- DECC Parking Facility, new four-story, 600-space, post-tensioned concrete parking structure; Duluth, MN
- Technology Village to Lake Superior Place Skywalk; Duluth, MN
- Technology Village Parking Structure, 700-car post-tensioned concrete parking structure including a drive-through auto bank and connecting skywalk system to adjacent buildings; Duluth, MN
- St. Mary's Parking Structure and Skywalk; Duluth, MN
- 4th Avenue West Parking Structure; Duluth, MN
- Piedmont Avenue Bridge and Pedestrian Concourse; Duluth, MN
- Duluth Plumbing Skywalk over 4th Avenue West; Duluth, MN
- 4th Avenue West Skywalk Shoring; Duluth, MN
- Medical Arts Annex Parking Replacement Study; Duluth, MN
- Center Square III Parking Ramp; St. Cloud, MN

LHB PERFORMANCE DRIVEN DESIGN.

II-5 Personnel

Registration
Licensed Landscape Architect in Minnesota

Certification
MN Certified Wetland Delineator (CWD)
Construction Documents Technologist (CDT)
Certified Construction Contract Administrator (CCCA)

Accreditation
U.S. Green Building Council Leadership in Energy and Environmental Design Accredited Professional Building Design + Construction (LEED AP BD+C)

Affiliation
American Society of Landscape Architects (ASLA), Member
MASLA, Minnesota ASLA Chapter, Member and Vice President and Co-Founder of the Northern Committee
St. Louis River Alliance, Board Member 2013-2016

Education
Master of Landscape Architecture, College of Design, University of Minnesota
Bachelor of Arts,
St. Olaf College; Minnesota

LHB PERFORMANCE DRIVEN DESIGN.

Heidi S. Bringman, PLA, LEED AP BD+C, CDT, CCCA, WDCP
Project Manager

Heidi has 14 years of experience as a Landscape Architect. Prior to joining LHB, she worked at the Minnesota Landscape Arboretum in Chanhassen and at Lutsen Resort where she was responsible for the design, implementation and maintenance of landscape and site development projects.

She works on both small and large scale projects where detailed and broad-based design techniques are utilized. Heidi's areas of specialization include master planning, site development and planning, drainage, native planting designs, graphic illustrations, wetland delineation, restoration, and mitigation design. She also assists many clients with permit writing, processing, and regulatory approvals for site disturbance development projects. Heidi has an underlying philosophy that in order to achieve a successful design, one has to consider both human and natural systems. She strongly believes in educating clients and colleagues on the importance of sustainable design. Heidi will be located in the Duluth office, and has been with LHB for 13 years.

Project Experience

- Lakewalk Extension Feasibility Study, City of Duluth; Duluth, MN
- Irving Park, Memorial + Lincoln Park - Mini Master Plans; City of Duluth, Duluth, MN
- Beaver Bay Trailhead, Lake County, Beaver Bay, MN
- Lilydale Park Site Improvements; City of St. Paul Parks and Recreation; St. Paul, MN
- City of Duluth; Lowell to Lakewalk Trail; Duluth, MN
- Pine County Public Works; Pine City Bike Trail; Pine City, MN
- Midway Stadium Redevelopment; St. Paul Port Authority; St. Paul, MN
- DWP Roundhouse Greenfield Redevelopment; City of Duluth Parks and Recreation; Duluth, MN
- Grand Avenue Corridor / Zoo Entrance Site Improvements; City of Duluth Engineering; Duluth, MN
- Duluth Public Schools; Lincoln Park and Ordean Middle Schools; Duluth, MN
- Center City Park, Billings Park Site Improvements; City of Superior Parks and Recreation; Superior, WI
- Moose Lake Streetscape and Beautification Project, MnDOT/State Aid project; Moose Lake, MN
- City of Duluth/NHS/LISC Neighborhood Revitalization Master Planning; Duluth, MN
- North Shore Mining, visual assessment and master plan; Silver Bay, MN
- T.H. 53 Piedmont Avenue, S.P., landscape design and plans; Duluth, MN
- St. Louis County 911 Facility, site design; Duluth, MN
- City of Duluth New Police Headquarters; Duluth, MN
- Oneka Elementary, basketball and play area design; Hugo, MN
- Two Harbors High School, all-weather running track and tennis courts; Two Harbors, MN
  Two Harbors, MN
- Barker's Island, site improvements; Superior WI

II-5 Personnel

Registration
Licensed Professional Engineer in Minnesota and Alaska
Construction Documents Technologist (CDT)

Affiliation
American Society of Civil Engineers
American Council of Engineering Companies of Minnesota, Member

Education
Bachelor of Science, Civil Engineering, University of Alaska, Fairbanks

Brad P. Scott, PE
Civil Engineer Lead

As LHB's Roadway Design Leader, Brad has over 18 years of experience in roadway and trail design, construction management, and civil engineering. His project management abilities include design team leadership for complex projects, construction planning, CPM project scheduling, quality control and construction administration. Brad has extensive experience in the design and and construction of shared use path systems for a variety of clients including MnDNR, MnDOT, Counties, Parks, and Cities throughout Minnesota.

In his role as project manager, Brad is responsible for the day-to-day supervision and direction of survey and CADD technicians, internal design staff and sub consultants on traditional project delivery and fast track projects. His experience also includes project QA/QC planning and management to ensure high quality projects that achieve design, timeline and budget requirements. Brad will be located in the Duluth office, and has been with LHB for 13 years.

Project Experience *(*Experience prior to LHB)*

- City of Duluth; 2012 Hillside Flood Repairs; Duluth, MN
- City of Duluth, Lowell to Lakeville trail.
- City of Duluth; 2012 Lakeside Flood Repairs; Duluth, MN
- City of Duluth 2012 SIP Project (Oxford, Livingston, & Glenwood); Duluth, MN
- City of Duluth; Hawthorne, Vermilion, & St. Marie Streets; Duluth, MN
- Carlton County; Esko Pedestrian and Bike Trail; Esko, MN
- MnDNR; Gitchi Gammi State Trail; Schroeder to Tofte, MN
- Saint Paul Parks and Recreation Dept; Lilydale Regional Park, Phase I Road and Trails; Saint Paul, MN
- Pine County Public Works; Pine City Bike Trail; Pine City, MN
- Aspenwood Street Improvement Program; Duluth, MN -
  - Construction Inspector for this two-block divided urban roadway, and parking lot reconstruction project
- Aspenwood Street Improvement Program; Duluth, MN
  - Assistant Construction Inspector for this four-block urban roadway reconstruction project
- Kirkus Street Roadway and Bridge - new, 1-mile long roadway with bridge over the CN Railway in a previously undeveloped corridor; Proctor, MN
- Duluth S.A.P. 2009, 2nd Street Urban Roadway Reconditioning - State Aid Turnback; Duluth, MN
- Duluth SIP 2004, UMD/Lower Chester IV Granitoid S.P.; Duluth, MN
- Duluth SIP 2005, Lincoln Park Central East Street Improvements; Duluth, MN
- Duluth SIP 2006, Duluth Heights I; Duluth, MN
- Duluth SIP 2008, Morley Heights; Duluth, MN
- MnDOT TH 169 Reconstruction (Federal Funds); Chisholm, MN
- MnDOT I 35 (Federal Funds); Boundary Avenue Duluth to Scanlon, MN
- MnDOT TH 2, Emergency Reconstruction (Federal Funds); Proctor, MN
- City of Duluth Lower Chester UMD III; Duluth, MN

LHB PERFORMANCE DRIVEN DESIGN.

II-5 Personnel

Registration
Licensed Landscape Architect in Minnesota

Accreditation
U.S. Green Building Council Leadership in Energy and Environmental Design Accredited Professional (LEED AP)

Affiliation
American Society of Landscape Architects (ASLA), Member

Education
Master of Landscape Architecture,
University of Minnesota
Bachelor of Arts,
Honors English,
University of Wisconsin-Madison

Recognition
2015 ASLS-MN Honor Award Mississippi Central Riverfront Regional Master Plan 2
014 ASLA-MN Merit Award - MCTC Fine Arts Plaza
2013 Minneapolis Downtown Improvement District Greening Award, Best Plaza - MCTC Fine Arts Plaza
2005 ASLA National Merit Award for Minnesota Student

LHB
PERFORMANCE DRIVEN DESIGN.

Lydia A. Major, PLA, LEED AP
Landscape Architect/Community Engagement Lead

Lydia works with clients and communities to create vibrant public, commercial, and residential places. She uses a collaborative design process to develop solutions that benefit the client, the community, and the environment. Her projects include community, park, trail, and transportation system planning projects, where her skills with public engagement help generate support and real solutions, as well as smaller public and private projects, where she focuses on the details that create memorable experiences. Lydia integrates technical and communication skills to produce compelling plans, models, renderings, and other presentation materials. Communication is a critical component in all projects, and Lydia uses her education as a writer to create project documents, including master plans, reports, city submittals, and other communications materials that become living documents in support of real progress to positively impact people's lives.

Lydia will be in the Minneapolis office, and has been with LHB for 8 years.

Project Experience

- MPRB Downtown Service Area Master Plan; Minneapolis, MN
- MPRB RecQuest Recreation Center System Plan; Minneapolis, MN
- Firemen's Park; Chaska, MN
- Wayzata Bay Center Redevelopment; Wayzata, MN
- Roseville Parks and Recreation System Master Plan and Renewal Program; Roseville, MN
- Cloquet Parks and Recreation Master Plan; Cloquet, MN
- Victory Memorial Drive; Minneapolis, MN
- Mississippi Central Riverfront Master Plan; Minneapolis, MN
- Hiawatha Avenue and Trail Landscape Restoration; Minneapolis, MN
- Hennepin County Road 19 "Mid-Lake Boulevard" Trail Concept; Shorewood, Tonka Bay, and Orono, MN
- Mississippi Central Riverfront Master Plan; Minneapolis, MN
- Project for Pride in Living, Early Wonders Playground; Minneapolis, MN
- Minnehaha Avenue Streetscape; Minneapolis, MN
- Cascade Meadows Wetland and Science Center; Rochester, MN
- Seward Co-Op Friendship Store; Minneapolis, MN
- Mississippi Market; St. Paul, MN
- Superior Street Reconstruction; Duluth, MN
- Three Rivers Intercity Trail Master Plan; Richfield, MN
- St. Louis County Union Depot Area Master Plan; Duluth, MN
- Duluth Transit Authority Downtown Connectivity Transportation Terminal; Duluth, MN
- Lilydale Regional Park Roadway and Shelter; St. Paul, MN

II-5 Personnel

Registration
Licensed Landscape Architect in Minnesota

Affiliation
American Society of Landscape Architects

Education
Master of Landscape Architecture,
University of Minnesota
Bachelor of Arts,
Biological Aspects of Conservation,
University of Wisconsin, Madison

Recognition
2014 American Society of Landscape Architects , Minnesota Chapter Award of Honor, American Swedish Institute
2014 American Society of Landscape Architects , Minnesota Chapter Award of Honor, Nicollet Corridor Visioning and Predesign
2012 American Society of Landscape Architects , Minnesota Chapter Award of Excellence, North Minneapolis: Planning for Recovery

Erica Christenson, PLA
Landscape Architect

Erica is an award winning designer who is enthusiastic about parks and open space and has designed numerous parks, cultural institutions, campuses and interpretive projects in the Twin Cities. Her design approach reflects the client's needs and responds to the potential opportunities that each project and site brings. Most recently she led a landscape team through a successful process with Dakota County to design and construct Phase 1 Improvements at the brand new Whitetail Woods Regional Park. She has led many different types and scales of projects and is known for her ability to manage complex processes in a collaborative manner. Erica also has extensive experience in managing and facilitating landscape restoration projects and teaches courses at the University of Minnesota on sustainable landscapes.

Erica will be in the Minneapolis office, and has been with LHB for 4 months.

Project Experience *(*Experience prior to LHB)*

- Southwest State University Campus Master Plan; Marshall, MN
- Theodore Wirth Adventure and Welcome Center; Golden Valley, MN*
- Cedar Lake Farm Regional Park; New Prague, MN*
- Surly Brewery Gardens, Minneapolis, MN*
- Whitetail Woods Regional Park; Rosemount, MN*
- Macalester College Janet Wallace Fine Arts Complex; St. Paul, MN*
- American Swedish Institute; Minneapolis, MN*
- North Minneapolis: Planning for Recovery; Minnespolis, MN*
- College of Saint Benedict, District Masterplan and New Academic Building Site Design; St. Jospeph, MN*
- Bull Creek Residence; Austin, TX*
- United States Land Port of Entry; Warroad, MN*
- Gallatin River Residence; Bozeman, MT*
- Greenwich South Visioning Study; Manhattan, NY*
- Jackson Meadow; Marine on St. Croix MN*

LHB PERFORMANCE DRIVEN DESIGN.

II-5 Personnel

Registration
Professional Engineer
in Minnesota

Certification
Stormwater Pollution Prevention
Plan (SWPPP)

Affiliation
American Society of Civil
Engineers (ASCE)

Education
Bachelor of Science,
Civil Engineering,
University of Minnesota

LHB
PERFORMANCE
DRIVEN DESIGN.

Nathan J. Bruno, PE
Civil Engineer

Nathan has ten years of design experience in civil engineering specializing in water resource engineering. He has extensive experience designing: storm water treatments ponds, storm sewer and other conveyance systems, bridge hydraulic, sanitary sewers, water mains, site grading and drainage plans, and SWPPP's for both public and private clients.

He has designed numerous storm water conveyance and ponding systems of various size and complexity. He was part of a team that developed a city wide storm sewer and ponding plan, including cost estimates and recommendations for a storm water utility. Nathan holds a certification for the design of SWPPP's and uses structural and non-structural BMP to meet treatment goal and design standards. He past design experience includes work on an award-winning city and county projects. He has also been the hydraulics engineer for bridge replacements located in several counties and cities. Nathan has performed waterway hydraulics design for approximately 50 culvert and bridge structures throughout northern Minnesota.Nathan will be in the Duluth office, and has been with LHB for 5 years.

Project Experience

- Lilydale Regional Park Roadway and Trails. St. Paul, MN
- City of Duluth; Lowell to Lakewalk Trail; Duluth, MN
- Carlton County Transportation Department; Esko Bike and Pedestrian Trail; Esko, MN
- Pine County Public Works; Pine City Bike Trail; Pine City, MN
- City of St. Paul; Lilydale Regional Park Roadway and Shelter; St. Paul, MN
- CSAH 69 Rehabilitation; Scott County, MN
- Haines Road Storm Sewer; St. Louis County, MN
- St. Louis County, MN
  - CSAH 88 Bridge 335 Replacement Hydraulics
  - Bridge 521 Replacement over Embarrass River
  - Bridge 808 Replacement over Cloquet River
  - CSAH 9 Bridge 7756 Replacement
  - CSAH 75 Bridge 714 Replacement over Willow River
- Itasca County, MN
  - CSAH 49 Bridge Replacement over Wabana Creek
  - CSAH 14 Bridge Replacement over Fletcher Creek
- Lake County, MN
  - CSAH 7 Bridge 88810 Replacement over Nine Mile Creek
  - CSAH 31 Bridge 7403 Replacement over the Big Fork River
- Pine County, MN
  - Pine Creek CSAH 14 Hydraulics
  - CSAH 40 Bridge Replacement
- Houston County, MN
  - Bridge L4556 Replacement
  - Bridge L2546 Replacement
- Hibbing City Offices, MN
  - Koiva Road Bridge L6064 Hydraulics
  - Rainey Road Bridge 89787 Replacement

II-5 Personnel

Registration
Licensed Architect
in Minnesota
Certified Interior Designer
in Minnesota

Affiliation
American Institute of Architects
Member
Society of College and University
Planners, Member
AIA Minnesota Committee
on the Environment
Founding Member/ Past Chair
City of St. Louis Park,
Former Park and Recreation
Commissioner

Education
Master of Architecture,
University of Minnesota
Bachelor of Arts,
Kalamazoo College

R. Bruce Cornwall, AIA
Building Design and Planning

Bruce has over 28 years of architectural experience as project principal, manager, designer, and planner with an emphasis on higher education and community facilities. He has served as the principal planner for many colleges and universities including Metropolitan State University, Minneapolis Community Technical College, Oak Hills Christian College, Ridgewater College, Lake Superior College, and Bemidji State University. He is the Director of Integrated Design and Campus Planning in LHB's Minneapolis office and currently working on a variety of higher education projects including a Fab-Lab/classroom renovation at Century College, the Business College at Bemidji State University, and the recently completed master plan for the University of Wisconsin - Superior.

Bruce is a strong advocate of environmentally responsible architecture and considers resource management, indoor air quality, and energy efficiency to be integral components of architectural design and campus planning. In addition, he has an extensive background in graphic design and has illustrated a book on earth sheltered housing. Bruce will be working in the Minneapolis office, and has been with LHB for 10 years.

Project Experience *(*Experience prior to LHB)*

- Beaver Bay Trailhead, Lake County, Beaver Bay, MN
- Bemidji State University College of Business; Bemidji, MN
- Minneapolis Community and Technical College Whitney Fine Arts and Lobby Renovation; Minneapolis, MN
- Ridgewater College Student Center Renovation and Addition; Willmar, MN
- Cascade Meadow Wetland and Environmental Science Center, LEED Platinum Certified; Rochester, MN
- Ridgewater College Technical Instruction Addition and Renovation; Willmar, MN
- St. Cloud Technical and Community College Diesel Truck and Autobody; St. Cloud, MN
- Minneapolis Community and Technical College, Helland Student Center; Minneapolis, MN
- Normandale Community College, Kopp Student Center; Bloomington, MN
- University of Wisconsin-Superior Master Plan; Superior, WI
- Metropolitan State University Classroom/Administration Buildings; St. Paul and Minneapolis, MN*
- Minneapolis Community and Technical College, Parking Ramp Addition/Renovation; Minneapolis, MN*

Project Recognition

- 2014 Minneapolis/St. Paul Business Journal Best in Real Estate Winner: Interior Renovation – Commercial, LHB Minneapolis Loose-Wiles Office, Minneapolis, Minnesota
- 2014 ASLA-MN Merit Award - MCTC Fine Arts Plaza
- 2013 Minneapolis Downtown Improvement District Greening Award, Best Plaza - MCTC Fine Arts Plaza
- 2013 Finance & Commerce Top Projects Award for the design of LHB's Minneapolis Office, Minneapolis, Minnesota

LHB PERFORMANCE DRIVEN DESIGN.

II-5 Personnel

Registration
Licensed Architect in Minnesota

Certification
NCARB

Accreditation
U.S. Green Building Council Leadership in Energy and Environmental Design Accredited Professional, Building Design + Construction (LEED BD+C)

Affiliation
AIA Minnesota, Member
AIA Minneapolis, Committee Member

Education
Master of Architecture, University of Minnesota
Bachelor of Arts, University of Minnesota

Ryan R. Grunklee, AIA, LEED AP BD+C
Architect

Ryan is an architect in LHB's Minneapolis office and works on a variety of commercial, government, and education projects. Ryan has a broad range of experience in all architectural phases, including: program writing, code review, cost estimating, and construction administration. Ryan uses his strong technical and graphic presentation skills, along with his passion for sustainable design, to assist clients in realizing architectural solutions while minimizing environmental impacts. Ryan received his Master of Architecture Degree from the University of Minnesota where he focused on creatively promoting sustainable design within municipal architecture. Ryan will be working in the Minneapolis office, and has been with LHB for 3 years.

Project Experience *(*Experience prior to LHB)*

- Beaver Bay Trailhead, Lake County; Beaver Bay, MN
- Ridgewater College Renovation; Willmar, MN
- Bemidji State University Renovation; Bemidji, MN
- Washington County HRA Office Renovation; Woodbury, MN
- St. Croix Preparatory Academy; Bayport Township, MN*
- Calvin Christian School Addition; Edina, MN*
- MCTC Kopp Hall Remodel; Minneapolis, MN*
- Hmong Academy Addition and Remodeling; St. Paul, MN*
- Hennepin Avenue United Methodist Church Renovation; Minneapolis, MN*
- St. Mary's University of MN Harrington Mansion Renovation; Minneapolis MN*
- GSA Heaney Federal Building, U.S. District Courthouse Renovation; Duluth, MN*
- Mn/DOT Maple Grove Maintenance Facility; Maple Grove, MN*
- MN/DOT Travel Information Center; St. Cloud, MN*
- Bloomington Aquatic Center Renovation; Bloomington, MN*

LHB PERFORMANCE DRIVEN DESIGN.

II-5 Personnel

Registration
Licensed Professional Engineer in Minnesota, Wisconsin, South Dakota, Kansas, Nebraska, Colorado, Ohio, and Missouri

Accreditation
U.S. Green Building Council Leadership in Energy and Environmental Design Accredited Professional (LEED AP)

Education
Master of Science, Structural Engineering, University of Minnesota
Bachelor of Science, Civil Engineering, University of Minnesota

LHB
PERFORMANCE DRIVEN DESIGN.

Stephen W. Hearn, PE, LEED AP
Structural Engineer

Stephen leads the structural department in our Minneapolis office. He has 20 years of experience in structural design of office buildings, financial institutions, utilities, retail centers, medical facilities, manufacturing, education, municipal and government facilities, public safety, libraries, market-rate and senior-living housing, and condominiums, including schematic design, design development, final design, construction drawings and specifications, and continuation engineering.
In addition to Stephen's broad engineering experience he brings a vast amount of knowledge in AISC ASD and LRFD steel design codes, ACI\TMS530 Building code Requirements for Masonry Structures, National Design Specification for Wood Construction, International and Minnesota Building Code, and ACI 318 Building Code Requirements for Structural Concrete. Stephen will be working in the Minneapolis office, and has been with LHB for 9 years.

Project Experience

- Northern Star Council, Boy Scouts Base Camp Historic Renovation; Minneapolis, MN
- Minnesota Historical Society, Fort Snelling Visitor Center Conditions Assessment; Fort Snelling, MN
- Bluestem Heritage, Jackson Street Roundhouse Historic Structures Report; Saint Paul, MN
- Minneapolis Community and Technical College, Helland Student Center; Minneapolis, MN
- Normandale Community College, Kopp Student Center; Bloomington, MN
- Minneapolis Education Center, preliminary structural condition assessment; Minneapolis, MN
- Baldinger Bakery, structural condition assessment; Saint Paul, MN
- Sandstone Elementary, structural condition assessment; Sandstone, MN
- Cherrywood Advanced Living Homes; Richmond, MN
- Tennant Company Campus Master Plan; Golden Valley, MN
- Sage Electrochromics HVM-1 Plant; Faribault, MN
- Boise Cascade; International Falls, MN
- Cascade Meadow Wetlands & Environmental Science Center; Rochester, MN
- Fort Snelling Stabilization; Minneapolis, MN
- Hennepin County Photovoltaic Solar Array; Medina, MN
- Carleton College Student Residences; Northfield, MN
- Silver Bay City Office, Liquor Store Expansion; Silver Bay, MN
- Seward Community Co-op; Minneapolis, MN
- Mississippi Market/West 7th; Saint Paul, MN
- Cedar Point Redevelopment; St. Louis Park, MN
- Harbor Highlands Housing Development; Duluth, MN
- Rosemount Community Housing; Rosemount, MN
- University of Minnesota, Morris Green Prairie Living and Learning Community; Morris, MN
- YMCA Camp Menogyn, Master Planning and Architectural Services; Grand Marais, MN

II-5 Personnel

Registration
Engineer-in-Training, Kansas

Certification
Lighting Certified (LC), National Council of Qualifications of Lighting Professionals

Affiliation
Illuminating Engineering Society of North America (IESNA), Twin Cities Section, Past Board Member, President, Vice President, and judge

Education
Bachelor of Science, Architectural Engineering, University of Kansas
Bachelor of Fine Arts, Interior Design, University of Kansas

Recognition
International Illumination Design Award – Regional Award of Merit, 1999, 2002, 2012
International Illumination Design Award – Twin cities Chapter, 1999, 2002
Besal Merit Scholar, University of Kansas, 1990

LHB PERFORMANCE DRIVEN DESIGN.

Deborah A. Zimmerman, Engineering Specialist

Deborah brings 25 years of experience to her role as an engineering specialist on LHB's Integrataive Design Team. Her experiences include project management, construction administration tasks, interior design, electrical engineering, and specialized roles as a lighting designer. Deborah has designed for a variety of markets, including education, commercial, and industrial.Deborah confidently approaches all phases of a project, with experience ranging from schematic design, probable cost estimating, construction documentation, to design team oversight.

Deb will be in the Minneapolis office, and has been with LHB for 8 months.

Project Experience *(*Experience prior to LHB)*

- Northwestern Elementary School Ventilation Upgrades; Maple, WI
- St Joseph's - Brainerd Clinic Urology Department; Brainerd, MN
- Century High School Concession Building; Rochester, MN
- Rochester Public Schools, Pinewood Elementary School Renovation and IAQ Improvements; Rochester, MN
- WITC Superior Administration; Superior, WI
- Barnum Elementary Ventilation and Heating Upgrades; Barnum, MN
- WITC Rice Lake Student Services; Rice Lake, WI
- Graycor - Aldi Distribution Center Lot CD's; MN
- Giants Ridge Ski Chalet; Biwabik, MN
- Land 'O Lakes R&D Lab Renovation; Arden Hills, MN*
- 3M Building 280 Research & Development Lab Facility; Maplewood, MN*
- R&D Systems Lab Renovation (through Design Development); Minneapolis, MN*
- Valspar Applied Science & Technology Lab Facility; Minneapolis, MN*
- GE Vehicle Innovation Center; Eden Prairie, MN*
- St. Anthony Falls Laboratory; University of Minnesota; Minneapolis, MN*
- United Health Group (multiple projects); Twin Cities, MN*
- Target North Campus; Brooklyn Park, MN*
- Hennepin County Northwest Family Service Center; Brooklyn Center, MN*
- Bachelor Farmer Restaurant; Minneapolis, MN*
- Musical Instrument Museum; Phoenix, AZ*
- Ameriprise Financial Call Center; Las Vegas, Nv*
- Hanson Hall, University of Minnesota; Minneapolis, MN*
- MacPhail Center for Music; Minneapolis, MN*
- Carlson School of Management Renovation, University of Minnesota; Minneapolis, MN*
- Lighting Designer/Electrical Engineer, Powrtek Engineering, Inc.; Minneapolis, MN*

II-5 Personnel

Accreditation
U.S. Green Building Council Leadership in Energy and Environmental Design Accredited Professional (LEED AP)
Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61)
Architectural History

Affiliation
American Institute of Architects Minnesota, Associate Member
Preservation Alliance of Minnesota (PAM), Board of Directors 2001 - 2014
Historic St. Paul, Board of Directors, Past President of Board, 2005 - January 2010

Education
Masters of Science, Historic Preservation, University of Oregon, School of Architecture and Allied Arts
- Stone Conservation Field School Oira, Italy

Bachelor of Arts, Skidmore College, Saratoga Springs, NY

LHB PERFORMANCE DRIVEN DESIGN.

Philip L. Waugh, Associate AIA, LEED AP
Historic Preservation

Philip holds a Masters Degree in Historic Preservation and has extensive experience with building investigations, material research and construction methods. Philip previously served as the preservation specialist at the St. Paul Heritage Preservation Commission, and as a preservation carpenter for the University of Oregon. He has taught classes on historic building maintenance and historic building materials for the Midwest Preservation Institute and sat on their advisory committee. Philip teaches a graduate level course on Sustainable Design and Preservation for the University of Minnesota School of Architecture College of Design. In his Masters program, Philip concentrated on building construction and technology history. Philip's responsibilities include: Project management of historic preservation projects; performing building condition surveys and analysis; writing preservation specifications; Historic Design Review - working with clients to bring designs into compliance with local and national historic district guidelines (Secretary of Interior Standards for Rehabilitation); writing Historic Preservation Tax Credit applications; preservation planning; and grant research and writing.

Phil will be in the Minneapolis office, and has been with LHB for 2 years.

Project Experience *(*Experience prior to LHB)*

- Bluestem Heritage, Jackson Street Roundhouse Historic Structures Report; St. Paul, MN
- Minnesota Historical Society Northern Bedrock Conservation Corps; Duluth, MN
- Fairlawn Mansion and Museum, Historic Exterior Restoration Maintenance; Superior, WI
- Armory Arts and Music Center, Masonry Restoration Design Services; Duluth, MN
- Minnesota Historical Society, Fort Snelling Visitor Center Conditions Assessment; Fort Snelling, MN
- St. Cloud VA, Retro Commissioning; St. Cloud, MN
- University of Wisconsin, Superior, Campus Master Plan; Superior, WI
- Rochester ISD #535; Rochester, MN
  - Folwell School Kindergarten Addition
  - Lincoln School Kindergarten Addition
  - Pinewood School Kindergarten Addition
- Split Rock Lighthouse Restoration, Minnesota Historical Society, Two Harbors, MN. Two phase preservation effort on the Lighthouse, Fog Signal Building, three Residences and two Barns. Project included significant forensic analysis and testing, condition assessment and development of dry ice cleaning procedure for the cast iron elements. NRHP and NHL.*
- Landmark Center Restoration, Landmarks Minnesota, St. Paul, MN. Project Manager through the development of Construction Documents and bidding for the exterior rehabilitation of the historic Landmark Center in St. Paul. The project included extensive exterior condition assessment to determine scope of project. (NRHP)*
- Johnston Hall Building Condition Assessment, District One Hospital; Faribault, MN* Exterior condition assessment of 1888 limestone structure built to house the Seabury Divinity School.

CITY OF DULUTH
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Addendum #1
File # 15-0579

PROFESSIONAL DESIGN SERVICES FOR CHAMBERS GROVE PARK FLOOD RECOVERY & IMPROVEMENTS

This addendum serves to notify all bidders of the following changes to the solicitation documents:

Responses to questions submitted via e-mail are provided as follows:

1. You request one complete and exact copy of the entire proposal (Technical and Cost Submittal, along with the requested documents) on CD-ROM or Flash Drive in Microsoft Office or Microsoft Office-compatible format. What format are you looking for? ie Word, Publisher, or PDF?

   PDF format is preferred.

2. Is the $1.0M the total project budget for the scope of work identified in the RFP Part C. Park Recovery and Improvements?

   The total project budget for the scope of work defined in Part C is one million dollars, including design fees, testing, special inspections, all necessary permitting and fees, construction, and contingencies. The $1 million also covers the Construction Administration portion of the work defined in Part B – which is why that work is included as part of the scope for this RFP. There is no other money outside of the $1 million grant for this project.

Please acknowledge receipt of this Addendum by signing, dating, and submitting a copy with your bid/proposal. Thank you.

Joseph D. Pitman
Signature

9/17/2015
Date

Posted September 16, 2015.

An Equal Opportunity Employer

Minnesota Department of
HUMAN RIGHTS

CERTIFICATE OF COMPLIANCE

LHB, INC. is hereby certified as a contractor by the Minnesota Department of Human Rights. This certificate is valid from 5/5/2015 to 5/4/2019.

This certification is subject to revocation or suspension prior to its expiration if the department issues a finding of noncompliance or if your organization fails to make a good faith effort to implement its affirmative action plan.

Minnesota Department of Human Rights

FOR THE DEPARTMENT BY:

Kevin M. Lindsey, Commissioner