

# PROPOSAL FOR INTERIM CITY ENGINEER AND GENERAL ENGINEERING SERVICES



City of Ramsey

*June 13, 2012*

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Anoka, MN 55303  
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Prepared by:



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**A. Detailed Resumes**

June 13, 2012

Kurt Ulrich, City Administrator  
City of Ramsey  
7550 Sunwood Drive  
Ramsey, MN 55303

RE: Proposal for Interim City Engineer and General Engineering Services  
City of Ramsey

Dear Mr. Ulrich:

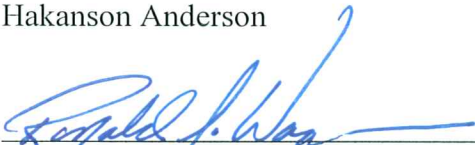
Hakanson Anderson is pleased to submit our Proposal for Interim City Engineer and General Engineering Services. We have carefully selected a dedicated team that will provide the best combination of experience and flexibility available to compliment the City's current organizational structure. This team of energetic professionals, are qualified and well suited to successfully meet your engineering needs. With your goals of efficiency and commitment in mind, we offer:

- **An Established, Dedicated Municipal Firm** - We have been providing Municipal Engineering Services for over 37 years. It is, and always has been, our primary focus. We believe we do it extremely well by listening and being responsive. Our quality performance is substantiated by our list of dedicated clients, many of whom we have been working with for over 20 years.
- **Continuity** - Our knowledge of the City of Ramsey and your ordinances, standards and plans is second to none. We have been providing engineering services to the City of Ramsey since 1974 and our direct and relevant knowledge will enable the City to provide a smooth transition between City Engineers.
- **Coordinated Efforts** - We will work with your staff and other City consultants in the best interests of the City. We will coordinate our services such that they compliment your existing organizational structure and will strive to serve with candor and professionalism.
- **Cost-Effective Firm** - Hakanson Anderson is committed to providing high quality cost-effective service to its' clients by maintaining low overhead rates. Our competitive billing schedule is possible by maintaining high staff utilization and consistently managing our administrative, marketing and other overhead costs.

Kurt Ulrich  
City Administrator  
June 13, 2012  
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Once again, we appreciate the opportunity in providing you with our proposal for Interim City Engineer and General Engineering Services. If you have any questions or need addition information please contact me at 763-852-0478.

Sincerely,  
Hakanson Anderson



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Ronald J. Wagner, P.E.  
CEO/Proposed Principal-in-Charge

# *Section 1 - Identification and Qualification of Assigned Personnel*

## **A. Staff Commitment**

Our principals and senior engineers meet regularly to discuss project schedules and issues to assure that we meet and satisfy the requirements of our clients. The team for the City of Ramsey was selected based on their qualifications, experience and availability. Due to the importance we have placed in serving you, your team will include many of our key employees with a wealth of relevant experience. Detailed resumes for key personnel are included in the Appendix.

## **B. Interim City Engineers**

***Shane M. Nelson, P.E., is proposed to be your Interim City Engineer.*** Shane is a Vice President with the firm and has over 14 years of municipal engineering experience. Shane currently serves as the City Engineer for the City of Nowthen (pop. 4,300) and the Town Engineer for Credit River (pop. 5,600). For these communities, Mr. Nelson directs all engineering activities for infrastructure projects; assists in the planning, coordination, supervision and evaluation of all plans and programs; evaluates infrastructure needs and formulates short and long term plans for streets, water, sewer, storm sewer drainage and parks; and assists with the budgeting and maintenance of the Capital Improvement Programs. Shane has established an excellent track record of meeting the client's needs and expectations by providing quality advice, close project management, and listening very closely to his clients.

Shane has extensive experience in the design and construction of residential and commercial streets; watershed plans and drainage; plat reviews; storm water pollution prevention and roadway management programs.

Shane recently served as the Assistant City Engineer and Construction Manager for the City of Otsego, effectively assisting the City in managing its growth. During that time, Shane assisted the City with the plan review, design and construction administration for 50 miles of watermain, 42 miles of gravity sanitary sewer, 18 miles of sanitary sewer forcemain; 9 sanitary sewer lift stations; 45 miles of new bituminous roads; and platting of approximately 6,500 single family multifamily, commercial and industrial lots.

***Ronald J. Wagner, P.E., is proposed to be the Principal-in-Charge.*** Ron is the CEO of Hakanson Anderson with over 20 years of municipal engineering experience. Ron is currently the appointed City Engineer for the City of Otsego, and has been serving them since 1998. Ron effectively directed efficient delivery of service to the City during its growth boom, at times managing a staff of over 30 employees providing engineering services for a magnitude of projects. As the Principal-in-Charge, Ron will periodically meet with Mr. Nelson and the Hakanson Anderson team to ensure that adequate staff and resources are committed to keep projects on schedule; that the team is communicating with and performing for the City; and that quality control and quality assurance of our products and services is maintained.

From 1998 to present Ron has been involved with providing technical and financial comprehensive planning assistance for the City's sanitary sewer, municipal water, storm water, and street systems for 12,000 acres. As the City continues to develop, it is pertinent that the costs associated with infrastructure improvements be borne by the developers not the existing residents. Ron has successfully obtained over

\$2.5 million in federal grant money for the City of Otsego for construction of various major collectors. Ron has also recently obtained \$175,000 in grant money from the Safe Routes to School program for the City of Otsego. He also has experience with easement acquisition including easement negotiations, commissioners hearings and condemnation proceedings. Ron has worked with Mn/DOT during the design and construction phases of the Trunk Highway 101 upgrade from expressway to freeway through the City of Otsego.

### **C. Other Personnel**

***Craig J. Jochum, P.E., Project Engineer.*** Craig is the President of the firm with 22 years of experience in general municipal services, water resource engineering, environmental engineering, and residential and commercial development. Craig is currently the appointed City Engineer for the City of East Bethel. Craig has successfully completed numerous project for the City of Ramsey. Craig has extensive experience in municipal water projects including water treatment plants, municipal wells, and elevated storage towers. Craig has successfully obtained over \$2.4 million in Cooperative Agreement grants for the City of East Bethel from Mn/DOT to fund improvement projects along Trunk Highway 65.

***Peter R. Raatikka, P.E., Special Projects.*** Pete has over 40 years of engineering experience in municipal engineering and project management. Pete is available when needed to provide services on special projects. Pete served as the City Engineer for the City of Ramsey for 1974 to 1990, and continued to consult to the City until 2010. Pete will be available when special projects require historical background of the City infrastructure. Pete's availability will add value to the City of Ramsey, allowing the City to provide uninterrupted engineering services to its residents and businesses.


***Timothy A. Eggerichs, P.E., Water Resources Engineer.*** Tim is in his thirteenth year with Hakanson Anderson. Tim's focus over the past 13 years has been development of plans and specifications for a variety of projects and comprehensive water resource design and planning. Tim has developed comprehensive water resource management plans which address water quality, flooding and wetland concerns.

***Becky L. Wozney, Wetland Specialist.*** Becky is the firm's wetland specialist with extensive experience in the review of wetland delineations; wetland hydrology studies and replacement plans. Becky works with local, state and federal authorities and applicants on complex issues to resolve differences on technical issues relating to wetland regulations.

***Mr. Ben Nelson, GIS Specialist.*** Ben is a GIS specialist at Hakanson Anderson. Ben routinely analyzes data, prepares maps and performs general GIS services to our municipal clients. Ben is experienced in the data collection, inventory, and preparation of GIS maps. Ben has successfully inventoried and prepared specialized output for several of our municipal clients.

***Charles R. Christopherson, PLS, Survey Manager.*** Charlie is a Professional Land Surveyor, with over 40 years of professional experience in the metro area. Charlie is an expert in the areas of writing and interpreting property descriptions, preparation of certificates of surveys, conducting ALTA/ACSM land title surveys, the platting of property and the preparation of easement descriptions and exhibits.

***Brian Person, PLS, Professional Land Surveyor.*** Brian is a Professional Land Surveyor with 10 years of experience in land surveying, including construction surveying, platting, boundary and topographic



surveying, right-of-way acquisition and mapping, writing and researching property descriptions, and commercial and residential building staking.

## ***Section 2 - Approach to Scope of Services***

### **A. Introduction**

Municipal engineering is, and always has been, the backbone of our business at Hakanson Anderson. We believe that we do it extremely well by being responsive and by providing superior service and excellent work products in a timely and cost-conscious manner. We serve many communities that are of similar size and needs as the City of Ramsey. Therefore, we understand your expectations in regards to the basic services that your City Engineer should provide to you and your community. Specifically, you are looking for responsive, cost-conscious, timely and high quality municipal engineering services.

Our approach to working with the City, its staff, its business and its citizens is to share the knowledge and experience that we have had in working with our client communities for many years. Our goal is to complement and supplement your staff to help them fulfill the needs and desires of your community by providing services and work products which exceed their expectations, are completed in a timely manner, and which reflect budgetary constraints. We see our firm and our staff as not only being an extension of your staff, but also bringing additional engineering and surveying expertise and experience to benefit your community. You have the added benefit of being able to structure the working relationship between the City and our firm. We will work for you at your direction as an independent contractor.

### **B. Interim City Engineer**


The proposed Interim City Engineer, Shane Nelson, will be at City Hall 32 hours per week to work as directed by the City. Shane will effectively communicate with the City Council and staff to maximize the effectiveness and efficiency of his role as the Interim City Engineer. Hakanson Anderson has worked with and for the City of Ramsey's staff, so the transition to Interim City Engineer will be as seamless and effective as possible. The other 8 hours of office staff time will be covered by Ron Wagner, the Principal-in-Charge. Ron is readily available at all times to assist Shane or Ramsey Staff on short notice.

### **C. Project Management**

Our knowledgeable staff can assist the City with short and long term planning that will minimize the burden on the City's residents by providing the guidance and foresight necessary to assist the City in planning for future expenditures.

We strongly believe in working at the direction of the City, and with the City's best interests always being our highest priority. We do not perform work for large jurisdictional agencies, which would from time to time require us to compromise the City's best interests.

Our detailed invoices and unique project identification numbers will allow the City staff to easily identify development charges, reducing City staff time and ensuring that all development costs are properly allocated.



Our teams diverse experience in the implementation of the Wetland Conservation Act and innovative storm water solutions will streamline the City's operations and help preserve valuable property in development and redevelopment projects.

Hakanson Anderson's team members have been working with GIS and providing GIS services to our clients for years.

#### **D. Construction Services**

Hakanson Anderson plans, reviews and implements construction projects with cost effectiveness and efficiency in mind. Our Mn/DOT certified construction observers and experienced project managers will ensure that the City receives the highest quality construction product and materials available. The City will recognize cost savings as our team extends service life's, reduces maintenance costs, reduces energy consumption, and increases value. All plans, both public and private, will receive a quality control review and value added review by an experienced engineer specializing in the area of the improvement.

With the every changing economy, it is more important, now then ever to keep a careful eye on developer escrows and letters of credit. Our team will assist the City of Ramsey in ensuring that developers escrows are maintained at adequate levels. Letters of credit will be reviewed regularly to ensure that the City has financial securities for completing improvements, limiting the City's risk.

#### **E. Preparation of Engineering Reports and Technical Correspondence**

A key element to efficient service as the Interim City Engineer is effective management and communication. Shane will directly supervise, coordinate, and take responsibility for timely delivery of all feasibility reports, plat reviews, utility studies, traffic studies, state aid reports, Capital Improvement Program studies, and all other engineering reports and technical correspondence. Shane will ensure that all communication with outside agencies, presentation of reports and studies, and system analysis and design is performed by highly qualified members who recognize the importance of adhering to budgets and representing the City's best interests at all times.

#### **F. Participate in City Meetings**

Communication between stakeholders is an important key to realizing successful projects. We are routinely involved with meetings that include City Council and staff, the City Planning Commission, residents, contractors and developers. In addition, we work closely with governing agencies such as the Minnesota Department of Transportation, Minnesota Pollution Control Agency, Minnesota Department of Health, Minnesota Department of Natural Resources, Metropolitan Council, Anoka County and watershed organizations.

We meet with interested parties early in the development of projects and continue our involvement throughout the process. This ensures our clients' needs are being adequately identified, addressed and met. We coordinate and lead these meetings as appropriate - preparing exhibits, PowerPoint presentations and other documentation as needed for a thorough and successful discussion.

## **G. Respond to Constituent Requests and Issues**

The City of Ramsey would be a primary client for Shane. As such, he would be readily available to respond to constituent and staff concerns. He has broad experience working with a variety of people and situations. One of his primary roles with other clients has been investigating issues, working toward consensus and making recommendations.

## **H. Other Items**

Heightened awareness of climate change and increasing costs of energy has many of our clients changing the way they plan and implement their projects. Our team has assisted various clients with identifying and implementing new sustainable solutions and low-impact or “green” design techniques. We utilize various tools and resources to aid us in analyzing and selecting the most relevant practices, with the goal of achieving an outcome that adds value to the project.

We recognize that traditional revenue sources are woefully inadequate and that innovative financing considerations are absolutely necessary. Hakanson Anderson has been successful in identifying and obtaining grant monies for our clients, as well as assisting in establishing “users pay” approaches.

Hakanson Anderson is very familiar with the project development process. We have successfully developed projects, from concept through final completion and acceptance for local, state-aid and federally funded projects. We implement a systematic approach to ensure that proper approvals are obtained and required documentation is kept.

## ***Section 3 - Basis of Compensation***

Hakanson Anderson is flexible in customizing a compensation method and invoicing process that is preferable to the City of Ramsey.

### **A. Interim City Engineering Services**

We would propose a flat rate charge for providing Interim City Engineer Services. We understand the City is requesting us to provide 40 hours of service per week at City Hall during regular business hours. We propose to invoice the City at a flat rate of \$8,600 per month for the 40 hours per week of service. This flat rate would include all expenses.

It is anticipated that the Interim City Engineer, Shane Nelson will be at City Hall 32 hours per week and the Principal-in-Charge, Ron Wagner will be at City Hall 8 hours per week.

## B. Project Work

For project work a not-to-exceed cost would be developed based on the hourly rates shown below. For these not-to-exceed services, a proposal letter would be prepared for approval by the City. We would invoice at our hourly billing rates with a maximum fee set by the approved proposal. For the year 2012 our hourly billing rates for all service types by job classification are proposed as follows:

<b>Hourly Billing Rate Schedule</b>	
<i>Job Classification</i>	<i>Hourly Billing Rate</i>
Principal Engineer or Principal Surveyor	\$115
Project Manager	\$80 - \$110
Design Engineer	\$65 - \$105
Senior Technician	\$65 - \$90
Technician	\$50 - \$65
Senior Construction Observer	\$65 - \$90
Construction Observer	\$45 - \$65
1 Person Survey Crew with Robotic or GPS	\$95
2 Person Survey Crew	\$140
3 Person Survey Crew	\$170
Administrative Assistant	\$55

**Expenses** - We do not charge for expenses such as survey equipment/vehicles, computers, cell phones/ long distance calls, routine printing, postage and faxed documents. These expenses are included in our hourly rates. We do charge for mileage at the approved IRS rates.

## *Section 4 - List of References*

References for your proposed Interim City Engineer Shane Nelson and Hakanson Anderson are as follows:

- a. **Credit River Township**  
18985 Meadow View Blvd.  
Prior Lake, MN 55372-3128  
*We are the Township Engineer*  
(612) 290-0506  
**Contact Person(s)**  
Leroy Schommer, Township Chair
  
- b. **City of Nowthen**  
19800 Nowthen Blvd. NW  
Anoka, MN 55303  
(763) 441-1347  
*We are the City Engineer*  
**Contact Person(s)**  
Corrie LaDoucer, City Clerk
  
- c. **City of Otsego**  
8899 Nashua Avenue N.E.  
Otsego, MN 55330  
(763) 441-4414  
*We are the City Engineer*  
**Contact Person(s)**  
Lori Johnson, City Administrator
  
- d. **City of East Bethel**  
2241 - 221st Avenue N.E.  
East Bethel, MN 55011-9631  
(612) 328-6830  
*We are the City Engineer*  
**Contact Person(s)**  
Jack Davis, Public Works Manager
  
- e. **City of Anoka**  
2015 - 1st Avenue N.  
Anoka, MN 55303  
(763) 576-2700  
*We provide consulting services*  
**Contact Person(s)**  
Russ Zastrow, Engineering Department  
Greg Lee, City Engineer
  
- f. **City of Elk River**  
13065 Orono Parkway  
Elk River, MN 55330  
(763) 635-1051  
*We provide consulting services*  
**Contact Person(s)**  
Justin Femrite, City Engineer

# Shane M. Nelson, P.E.

## EDUCATION

Bachelor of Science Civil  
Engineering  
University of Minnesota

## REGISTRATION

Licensed Professional Engineer  
State of Minnesota

## ORGANIZATIONS

City Engineer Association of  
Minnesota

American Society of Civil  
Engineers

Minnesota Surveyors &  
Engineers Society

## SUMMARY

Mr. Shane Nelson, P.E., is a Vice President of the firm. He has over 14 years of engineering experience working with municipal clients. Shane is currently the appointed City Engineer for the City of Nowthen and Township Engineer for Credit River Township.

## EXPERIENCE

Shane has experience in the design and construction of Municipal State Aid, residential, and commercial streets; residential and commercial plan review; comprehensive storm sewer planning; site and utility design; community sewage treatment systems; MS4 storm water planning; Wetland Conservation Act administration; and roadway maintenance plans. Shane currently provides a wide range of services to the City of Nowthen and Credit River Township.

## PROJECT EXAMPLES

### City of Nowthen – City Engineer

- Directs engineering activities on City infrastructure improvements.
- Assists in planning, coordinating, supervising and evaluating programs, plans, and services, equipment and infrastructures.
- Plat and construction plan review, hydrology review, development agreement assistance, and construction administration for City developments.
- Project manager for City projects. Manage projects, prepare pay estimates, prepare contract agreements, effectively communicate with residents and affected property owners, prepare assessment rolls.
- Prepare MS4 Permit Application and Storm Water Pollution Prevention Program (SWPPP).
- Wetland Conservation Act administration.
- Prepare Roadway Management Plan.
- Assist in preparation of Local Surface Water Management Plan.
- Appointed to Technical Advisory Committee (TAC) for the Upper Rum River Watershed Organization.
- Provide expert testimony in Incorporation Hearing.

### Town of Credit River – Town Engineer

- Directs engineering activities on Township infrastructure improvement.
- Assist in planning, coordination, supervising and evaluating programs, plans, services, equipment and infrastructure.
- Evaluates infrastructure needs and formulates short and long term plans for streets, water, sewer, storm sewer drainage and parks.
- Assist Treasurer with budgeting and maintenance of Capital



- Improvement Program.
- Prepared Sign Retroreflectivity Program.
- Plat and construction plan review, hydrology review, development agreement assistance, and construction administration for Town developments.
- Project manager for Town projects. Manage projects, prepare pay estimates, prepare contract agreements, effectively communicate with residents and affected property owners, prepare assessment rolls.
- Wetland Conservation Act administration.
- Prepare and maintain 5-year Capital Improvement and Maintenance Plan for Road Network. Make recommendations on maintenance activities to reduce overall Life Cycle Costs.
- Prepare Request for Proposals for Mowing Services, Snow Removal Services, and Rock Hauling / Furnishing Services.

**City of Otsego – Assistant City Engineer / Construction Manager**

- Conducted plat and construction plan review, hydrology review, development agreement assistance, and construction administration for City developments associated with platting of approximately 6,500 single family, multifamily, commercial and industrial lots.
- Managed construction of municipal infrastructure projects and new subdivision construction consisting of approximately 50 miles of watermain, 42 miles of gravity sanitary sewer, 18 miles of sanitary sewer forcemain, 9 sanitary sewer lift stations, and 45 miles of new bituminous roads.
- Prepare Sign Retroreflectivity Program.
- Prepared Storm Water Utility Rate Fee Study.
- Prepared MS4 Permit Application and Storm Water Pollution Prevention Program (SWPPP).
- Designed and managed Sanitary Sewer and Watermain extension project to Otsego I-94 West Industrial Park. Prepared pay estimates, contract agreements, effectively communicated with business owners, prepared assessment rolls.
- Designed and managed Maciver Avenue N.E and 70<sup>th</sup> Street NE construction and reconstruction project. Prepared pay estimates, contract agreements, effectively communicated with residents and developers.
- Prepared State Aid Construction Plans for: Page Avenue N.E.; 88<sup>th</sup> Street N.E.; 85<sup>th</sup> Street N.E.
- Prepared Construction Plans for Otsego's Waterfront, a commercial Development.
- Lift station design for Riverpointe subdivision in the City of Otsego.

# Ronald J. Wagner, P.E.

## EDUCATION

Bachelor of Science  
- Civil Engineering  
North Dakota State University

## REGISTRATION

Licensed Professional Engineer  
State of Minnesota

## ORGANIZATIONS

City Engineer Association of  
Minnesota

Minnesota Public Works  
Association

Anoka Chamber of Commerce

Metro North Chamber of  
Commerce

## SUMMARY

Mr. Wagner, P.E. is a Principal of the firm with over 20 years of experience in general municipal services, residential development and water distribution systems and sewer collection systems. Ron is currently the appointed City Engineer for the City of Otsego. Ron has been serving the City of Otsego since 1998.

## EXPERIENCE

Ron has extensive experience in general municipal engineer projects including the design and construction of Municipal State Aid and Local Streets; residential and commercial plan review; residential and commercial site and utility design and comprehensive storm water planning. Ron has successfully obtained over \$2.5 million in federal grant money for collector streets for the City of Otsego. The grant money was used for construction of various major collectors within Otsego.

Ron has worked with Mn/DOT during the design and construction phases of the TH101 upgrade from expressway to freeway.

## PROJECT EXAMPLES

### City of Otsego – City Engineer

- Project Manager for the “Southeast Otsego Water and Sewer System”.
- Project Manager for the “West Otsego Water and Sewer System”.
- Project Manager for the design and construction of numerous Municipal State Aid Streets including:
  - Odean Avenue
  - Quaday Avenue
  - Queens Avenue
  - 85<sup>th</sup> Street/Page Avenue
  - Maciver Avenue
- Prepare and Implement Public Capital Improvement Plan.

The projects also included acquiring Mn/DOT Cooperative Agreement Grant Funds; feasibility reports, right-of-way acquisition and wetland permitting.

- Develop Engineering Standards Manual used by developers for the design and construction of City Public Improvement projects within private developments.
- Plat and construction plan review, development agreement assistance and construction administration for numerous City developments.
- Develop City Water Plan for distribution, storage, treatment and wells. Prepared well head protection plans and helped implement conservation measures.
- Develop City Water Resource Management Plan and ordinances for wetlands, buffers, groundwater and erosion control.
- Provide ongoing administration for the Municipal State Aid Account.



# Craig J. Jochum, P.E.

## EDUCATION

Bachelor of Science  
- Civil Engineering  
North Dakota State University

## REGISTRATION

Licensed Professional Engineer  
State of Minnesota

## ORGANIZATIONS

City Engineer Association of  
Minnesota

Minnesota Public Works  
Association

American Council of  
Engineering Companies

Anoka Chamber of Commerce

Metro North Chamber of  
Commerce

## SUMMARY

Mr. Jochum, P.E. is the President of the firm with 22 years of experience in general municipal services, residential and commercial development and water resource and environmental engineering. Craig is currently the appointed City Engineer for the City of East Bethel and Township Engineer for Linwood and Hassan Townships. Craig has been serving the City of East Bethel since 1998.

## EXPERIENCE

Craig has extensive experience in general municipal engineering projects including the design and construction of municipal state aid and local streets; residential and commercial plan review; residential and commercial site and utility design, municipal water source and storage design, and comprehensive storm water planning. He has developed City Engineering Standards Manuals for the Cities of East Bethel and Otsego. Craig has successfully obtained over \$2.4 million in grant money from Mn/DOT for the City of East Bethel through the Cooperative Agreement Program. The grant money has been used for construction and access control/consolidation along Trunk Highway 65.

Craig has worked with numerous private developers as Project Manager and Design Engineer. He has assisted with the development of lots in the Cities of Andover, Ham Lake and Zimmerman.

## PROJECT EXAMPLES

### City of East Bethel – City Engineer

- Project Manager for Municipal Well #2.
- Assist with 2030 Comprehensive Plan Preparation.
- Project Manager for the “Radium Remediation Alternatives Report – Whispering Aspen Well”.
- Project Manager for the “Evaluation of the Castle Towers Wastewater Treatment Plant”.
- Project Manager for the “Southern Highway 65 Corridor Water and Sewer System” feasibility report.
- Provides ongoing support for the operations of the Castle Towers Wastewater Treatment Plant.
- Design Engineer for John Anderson Park Improvements.
- Project Manager for East Bethel Ice Arena Park and Pool facility.
- Project Manager for the 209<sup>th</sup> Avenue and Johnson Street West Highway 65 Service Road.
- Project Manager for the design and construction and reconstruction of numerous Municipal State Aid Streets including:
  - Wild Rice Drive Reconstruction Project
  - Klondike Drive Reconstruction Project
  - Aberdeen Street and Davenport Street reconstruction
  - Jackson Street, 197<sup>th</sup> Avenue, Klondike Drive and Polk Street Reconstruction Project

- 205<sup>th</sup> to 209<sup>th</sup> Avenue Service Road east Trunk Highway 65
- 181<sup>st</sup> Avenue, Baltimore Street and Trunk Highway 65 improvements
- Briarwood Lane and Trunk Highway 65 Service Road
- 187<sup>th</sup> Lane, Baltimore Street, 187<sup>th</sup> Avenue and Trunk Highway 65 improvements and signal construction.

The above referenced projects also included acquiring Mn/DOT Cooperative Agreement Grant Fund, feasibility reports, right-of-way acquisition and wetland permitting.

- Develop Engineering Standards Manual used by developers for the design and construction of City Public Improvement projects.
- Plat and construction plan review, development agreement assistance and construction administration for numerous City developments.
- Develop City Water Resource Management Plan and ordinances for wetlands, buffers, groundwater and erosion control.
- Provide ongoing administration for the Municipal State Aid Account.

### **City of Otsego**

- Design Engineer and Project Manager for two, 1-million gallon elevated water storage tanks.
- Design Engineer for two municipal water wells.
- Project Manager for Otsego Creek Restoration Project.
- Plat and construction plan review for City developments.
- Develop a comprehensive storm sewer plan for the west and east sewer districts.
- Assist with the development of the Engineering Standards Manual used by developers for the design and construction of City public improvement projects.

### **Linwood and Hassan Township – Township Engineer**

- Project Manager for the design and reconstruction of 237<sup>th</sup> Avenue and Thames Street; Japura Street; and Township Park Improvements. These projects also included right-of-way acquisition, wetland permitting and development of a road access district.
- Plat and construction plan review, development agreement assistance, and construction administration for township developments.
- Develop 5-year Road Maintenance Plan
- Prepare grant application to acquire Mn/DOT funding for the replacement of the Hornsby Street Bridge.
- Northwest Hassan Pavement Study
- Reconstruction of Trail Haven Road
- Henry Woods Park Improvement

## EDUCATION

Bachelor of Science  
- Civil Engineering  
University of Minnesota

Diploma in Civil and Highway  
Technology  
Wadena Area Technical  
Institute

## REGISTRATION

Licensed Professional Engineer  
State of Minnesota

## ORGANIZATIONS

City Engineer Association of  
Minnesota

Minnesota Public Works  
Association

MN Surveyors & Engineers  
Society

Rotary Club of Ramsey

Anoka Chamber of Commerce

Metro North Chamber of  
Commerce

## SUMMARY

Mr. Raatikka is a licensed professional engineer with over 40 years of engineering experience in municipal engineering and project management. Pete's areas of expertise include: site development, site and plat review, street and utility design, construction and replacement, comprehensive water, sanitary sewer and surface water management planning, and project management.

## EXPERIENCE

His 40 years of experience as a consultant in the metropolitan area and for outstate communities have established him as a very knowledgeable person in the field of municipal engineering. He was the firm's Consulting Engineer for the City of Ramsey, City of Green Isle and the City of St. Michael. He also was the Project Representative for several private developers, having assisted in the development of over 2,000 lots in the Cities of Andover, Howard Lake, Ramsey and Zimmerman.

Pete has broad experience as a project manager, designer and director of design services. As the director of design services for his previous employer, Pete was in charge of reviewing and supervising all design work within the company. As the City Engineer for Ramsey from 1974 through 1990, he has designed, managed and supervised the construction of numerous improvement projects in Ramsey. Responsibilities as the Ramsey City Engineer included technical review and supervision of all platting, planning, drafting ordinances and work on the comprehensive plan for the City of Ramsey. Comprehensive planning included the preparation of a Comprehensive Sanitary Sewer Plan and Comprehensive Storm Drainage Plan.

## PROJECT EXAMPLES

### City of Ramsey

- Project Manager and Design Engineer for Sunwood Drive NW Rhinestone Street NW, 153<sup>rd</sup> Avenue NW (Alpine Drive), Variolite Street NW, Dysprosium Street NW, Xkimo Street NW and Roanoke Street NW totaling over \$10 million. These projects were all part of Ramsey's Municipal State Aid Street System, which Mr. Raatikka helped to set up and administer.
- Project Manager and Design Engineer for surfacing of over 60 miles of streets in the City of Ramsey.
- Project Manager and Design Engineer on initial water system in Ramsey, which included two wells, a pumphouse, a 500,000 gallon elevated storage tank and trunk water main.
- Project Manager and Design Engineer for the Highway 10 and Rum River Watershed's trunk sanitary sewer projects.
- Project Manager for the construction of sanitary sewer, water main storm sewer, streets and curb and gutter for numerous developments in the City of Ramsey.

**City of Green Isle**

- Project Manager on the new municipal sanitary sewer collection system, to replace on-site septic systems and to convey wastewater via a lift station and force main 6 miles to the City of Arlington.
- Project Manager on the City Water Well No. 2, elevated water storage tank, water treatment plant and pumphouse. The treatment plant was designed to remove iron, manganese and radium.

**City of Otsego**

- Project Manager of Pilot Plant Study to remove iron, manganese and radium.
- Project Manager on construction and redevelopment of 3 municipal wells.

# Charles R. Christopherson, P.L.S.

## EDUCATION

Dunwoody Industrial Institute  
North Hennepin Community  
College

Land Surveying  
University of Wisconsin

## REGISTRATION

Licensed Professional Surveyor  
State of Minnesota

## ORGANIZATIONS

Minnesota Society of  
Professional Surveyors; Board  
Member

Minnesota Society of  
Professional Surveyors Chapter  
6; Past President

Minnesota Land Surveyors  
Foundation; Past President

Anoka Area Chamber of  
Commerce

American Congress of Surveys  
and Mapping

National Society of  
Professional Surveyors

Rotary International

## SUMMARY

Mr. Christopherson, a Principal and Vice President at Hakanson Anderson, manages the firm's survey department. He is a Professional Land Surveyor in the State of Minnesota with over 40 years of professional experience – more than 30 years of which are with Hakanson Anderson. Charlie is an expert in the areas of writing and interpreting property and easement descriptions, preparation of Site Topographic Surveys, ALTA/ACSM Land Title Surveys, platting, right-of-way acquisition mapping and right-of-way platting.

## EXPERIENCE

As a professional surveyor, Charlie has been responsible for the surveys to design and construct numerous municipal sewer, water, building and roadway improvement projects in over thirty (30) municipalities throughout Minnesota. He has conducted thousands of land surveys for various public and private clients and numerous counties.

## PROJECT EXAMPLES

### City of East Bethel

- Review of preliminary and final plats.
- Review and creation of various easements and right-of-way documents throughout the City.
- Construction staking for numerous projects throughout the City.

### City of Anoka

- Horizontal and vertical control for aerial photography/topography of City.
- M.C.E.S. forcemain reconstruction, preliminary surveys and right-of-way descriptions/ mapping.
- Surveys for street reconstruction projects for Years 2000 through 2010.
- Cemetery resurveys and G.I.S. mapping.
- Platting and surveys for Northstar Transit Village.

### Anoka County

- County Road 116 (Bunker Lake Blvd.) from Highway 47 to Magnesium Street right-of-way mapping and topographic surveys.
- Sunfish Lake Blvd. from Trunk Highway 10 to County Road 116 construction surveys.

### City of Coon Rapids

- Parcel boundary survey and platting.
- Riverwalk redevelopment project surveys and descriptions.



## **City of Nowthen**

- Review of preliminary and final plats.
- Review and creation of various easement documents throughout City/Township.

## **Private and Miscellaneous**

- City of Coon Rapids redevelopment area at intersection of Coon Rapids Blvd. and East River Road surveys, descriptions and platting for property acquisition and registration proceedings.
- Completion of over 750 home site surveys for a major Minnesota homebuilder.
- MNSCU Faribault campus surveys.
- City of Andover property surveys and easement descriptions/exhibits.

## **University of Minnesota**

- Real Estate Office, design/draft/review property and easement descriptions.
- Land exchange descriptions/exhibits and Minnesota DNR University of Minnesota Rosemount property.
- Surveys for site design of biotechnology district.
- Site survey for renovation of Northrop Auditorium.