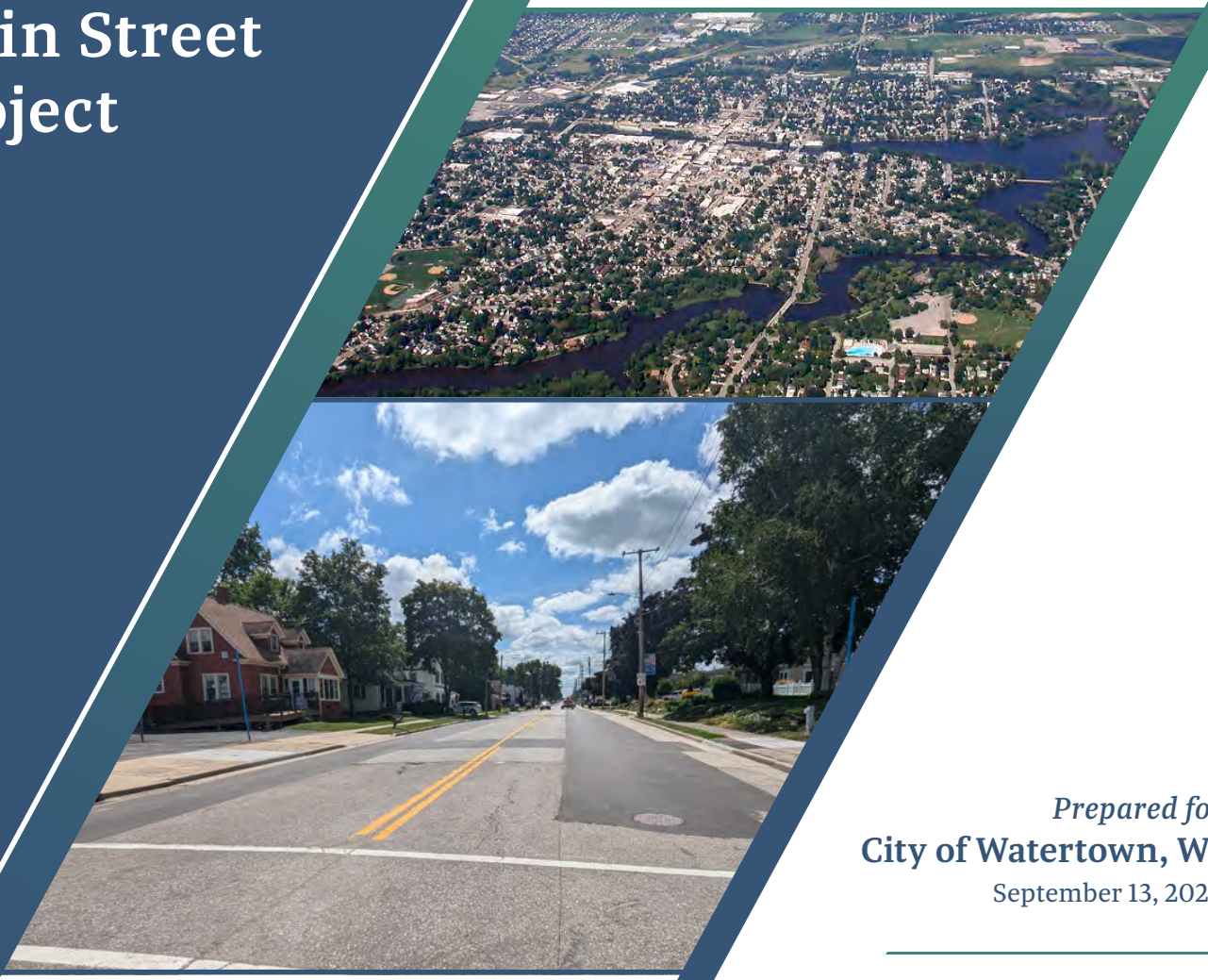
Proposal to Provide

Engineering Services *for the* 2028 WisDOT Main Street Project



Prepared for

City of Watertown, WI

September 13, 2024

Ryan Trzinski, P.E.
Robert E. Lee & Associates, Inc.
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REL Engineering | Environmental
Surveying | Ecological

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Engineering | Environmental | Surveying | Ecological

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September 13, 2024

Mr. Andrew Beyer, P.E., Director of Public Works/City Engineer
CITY OF WATERTOWN
106 Jones Street
Watertown, WI 53094

RE: Professional Engineering Services for 2028 WisDOT Main Street Water and Sewer Project

Dear Mr. Beyer:

Robert E. Lee & Associates, Inc. (REL) appreciates the opportunity to submit our response to the City of Watertown's request for this water main and water & sanitary sewer lateral replacement project, associated with the 2028 WisDOT Main Street project. We are excited about the opportunity to continue working with the City on this important utility improvement project, leading up to the street improvement project. We are familiar with the project area, having recently provided a similar engineering design scope of work for the City on Main St between Water and First St in 2023.

Founded over 65 years ago in Green Bay by Bob Lee, REL has grown into a multi-disciplinary firm with more than 50 employees. We have a long-standing history of delivering successful projects across Wisconsin, providing engineering, surveying, environmental, and GIS data management services. Our team's collaborative approach allows us to efficiently and competitively serve local, state, and private entities throughout Wisconsin and Upper Michigan. We have been proudly supporting the City with Engineering Designs since 2012, including connecting streets within the corridor of this project.

Our project team, led by Ryan Trzinski, PE, brings more than 17 years of engineering design and construction background, which he will rely on to facilitate the project and assist in the detailed design, permitting, and coordination of this project. Ryan will be supported by the full staff at REL, which features specialists in water main design, along with WisDOT design experts. This blend of talent will allow REL to efficiently facilitate the design component of the project, while seamlessly coordinating with the DOT at various design stages to integrate our utility design with their street improvements. The following response details our project approach, highlighting our firm understanding of the scope and deliverables executed by our highly professional staff, and demonstrating our ability by showcasing past like projects, including direct experience working with the City.

REL welcomes the possibility of further discussing our qualifications for this project. If you have any questions or comments, please call 920 662-9641.

Sincerely,

ROBERT E. LEE & ASSOCIATES, INC.

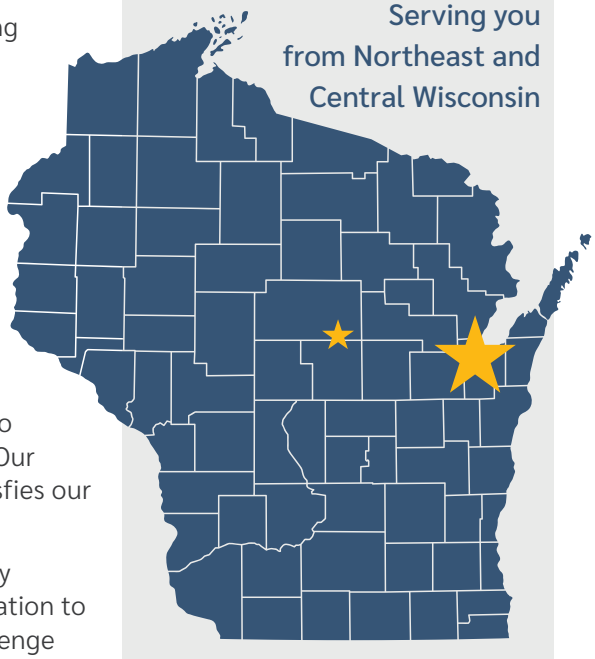
Ryan H. Trzinski, P.E.
Construction Services Manager

Jared G. Schmidt, P.E., V.P.
Civil/Municipal Engineering Manager

Firm Information

Introduction

Established in 1956, Robert E. Lee & Associates (REL) is a premier consulting firm specializing in civil and environmental engineering, surveying, and natural resources services. Our comprehensive spectrum of services offers an integrated approach to project management for our clients throughout Wisconsin and surrounding states. Renowned for our responsiveness and client-focused expertise, our mission is to be a quality first service company dedicated to building enduring relationships.



Quality Service Since 1956

REL's philosophy is a **quality first** service company dedicated to fostering long-term relationships with our clients. At REL, we take pride in our can-do attitude ensuring our customers' requests are not just met but exceeded. Our overarching goal is to establish ourselves as the firm that consistently satisfies our clients by delivering quality products in a timely manner.

We achieve these objectives by attracting and retaining hardworking, highly skilled professionals. As a company, we invest in new technology and education to provide our clients with the highest quality results and to continually challenge our employees. We see ourselves as partners with our clients, the community, and the environment. We firmly believe that through this philosophy, our company will steadily expand but thrive, driven by our commitment to excellence.

Major Disciplines Provided

- Surveying
- Municipal Engineering
- Utility Design
- Transportation Engineering
- Permitting
- Soils Investigation
- GIS / Asset Management
- Environmental Engineering
- Ecological Services
- Water/Wastewater Engineering
- Utility Operations
- Funding
- Native Habitat Design / Maintenance
- Storm Water Management / Floodplain

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About Us.

Why REL?

Robert E. Lee & Associates, Inc. is a locally owned, full-service consulting firm, specializing in civil engineering, environmental engineering, surveying, and natural resources services.

We have an excellent reputation for supplying very responsive and client-focused expertise at a tremendous value. Our mission is to be a quality-first service company dedicated to long-term relationships with our clients. REL's success in serving municipal clients is largely due to our strong employee retention. Over 30% of our staff have been with REL for more than 20 years, and nearly 50% for over 10 years. This longevity enables our team to build deep institutional knowledge and provide consistent, high-quality service to the communities we serve.

Our Aim.

Our Mission

Quality

All deliverables undergo rigorous internal reviews for constructability, drafting, and design, followed by a final QA/QC review.

Availability

Our team is available to meet the April 1, 2025 60% plan delivery, followed by the final June 1st plan completion date.

Communication

At REL we prioritize clear and consistent client communication so that this project aligns with the City's expectations and goals.

Dependable

Through strategic project team selections, Watertown will have direct access to key team members, for dependable support throughout the project.

Our Team

Municipal engineering is the core of REL's services. Therefore, implementing municipal infrastructure is our expertise. We are ready to be a dedicated resource to the City for the water main and water and sanitary sewer lateral replacement project.

Our certified professionals *offer* specialized knowledge *and* expertise...

Project Lead

Ryan Trzinski, P.E. has been directly responsible for design, permitting, and facilitating City of Watertown projects since 2012, providing tremendous institutional knowledge to the City. His construction background provides great depth of knowledge to constructibility of design plans. He puts added effort to project coordination to ensure cooperation across all entities.

Transportation Engineer

Eric Handler, P.E. has 17 years of transportation engineering experience designing urban and rural reconstruction projects, as well as complex construction staging and traffic control plans. He has a strong understanding of WisDOT, which will provide great value in coordinating between the water main design and the WisDOT road project.

Utility Coordinator

Gayle Lindenberg specializes in utility coordination, and brings extensive knowledge from her role as a consultant for the Northeast Region DOT office. Her expertise is vital for our design projects, especially with the increased emphasis on utility coordination following the 2023 Wisconsin Act 46.

Project Understanding, Scope & Approach

PROJECT UNDERSTANDING

The City of Watertown is seeking a consultant to complete professional engineering services associated with the watermain and sanitary replacement for the 2028 WisDOT Main Street Project. REL will provide the scope of service as identified in the original August 1, 2024 RFP and subsequent addenda (3).

SCOPE

Kick-off and Survey Investigations

REL will initiate the project with a Project Scoping Meeting in the City of Watertown with City staff to discuss the project in details and exchange information. The site topographic survey process will begin soon after being given the notice to proceed, including notifying Diggers Hotline for utility locates. It is our understanding this survey will be a supplement to WisDOT's topographic survey. Our team will collect additional field data along side streets to assist in defining the appropriate utility match points and preform as-builts on the sanitary sewer manholes. We will utilize robotic survey equipment, which will reduce project costs and expedite the process by minimizing personnel and time required for the topographic survey.

WisDOT Utility Work Plan and Concept Plan

After the topographic survey is provided by WisDOT and supplemented with REL's field collected data, REL will begin working on a concept plan that maps existing infrastructure and proposes the layout for the sanitary sewer, water main, and associated items. During concept plan development, the WisDOT storm sewer and roadway project will be front and center. Utility conflicts will be avoided, when possible, and when not avoidable, the impact will be minimized. We will progress through concept and preliminary plans, which will be ready for review by Watertown and WisDOT staff by April 1, 2025, which coincides with a 60% deliverable. We would anticipate progress meetings in advance of this April 1 date to ensure City staff is comfortable with the progress of utility plans, and they align with the goals and objective of the corridor.

Preliminary Plan and Permitting

REL's team will progress towards preliminary design phase including plans, specifications and estimates. At this stage REL will engage with permitting agencies in preparation for DNR, DOT, or other applicable agency permitting. Permits will be submitted towards the end of the preliminary phase in order to allow the proper turnaround time for the review agencies. Prior to progressing to final plan and bid package a site walk thru with the plan will be facilitated with the City.

During the design development of the plans we will utilize multiple layer states to color code our utility lines, which helps in identifying the specific design elements. We will spend additional time reviewing survey data, cross-referencing historic plans provided by the City, GIS digital records, and CCTV reports to help best ensure a comprehensive design, accounting for known untilities and

utility connections. Aged sections of communities can have incomplete data records, and we find by thoroughly reviewing available data and conducting a through plan in hand site review, give the City confidence in a complete design. As appropriate, we will work with the City on the private side utility laterals, noting upgrades that may be required, or targeting the removal of lead service lines.

Final Plan & Bid Package

As preliminary design phase is completed, our work will continue towards final bid plans, bidding specifications, supporting the States bid process, and estimates, for delivery June 1, 2025 to the City and WisDOT. Throughout this process we will continue to coordinate with the WisDOT and their design to coordinate design efforts, and ensure our plan aligns with their plan and design intent. We will coordinate with other utility companies during the project to help ensure our work plan does not negatively impact their systems, or that their relocation of their systems is accounted for. This is more critical for design areas that may fall outside of the WisDOT footprint, for utility connections.

APPROACH

At REL, our passion is serving our clients, and working closely with them to help solve the daily challenges that may face any community. Our philosophy is carried out by our personalized service, molded to best fit each client. We find it critical to listen to the needs of each client and utilize our vast experience to help design, advise, or present a variety of possible innovative solutions/ resolutions. From there, we work with City staff and associated stakeholders to move a project forward. Our personal service is utilized to work with adjacent property owners that may be affected by this project and strive to ensure environmental and personal concerns as practical are addressed during our design process.

We deliver projects on time and on budget, which is a critical focus for our engineering firm. We strive to provide quality estimates and practical schedules, as part of a quality product, to build trust and sustainability with our clients. Our clients depend on the cost estimates and schedules we provide for budgeting purposes. Projects are not without budget and schedule changes; thus, we make continual communication a key aspect of our customer service practices. If changes occur, we pride ourselves in communicating often with our clients and working towards a project solution.

Our team focuses on timely responses, responding to calls and emails as soon as possible, knowing that many needs are time sensitive. In many instances, we find that our use of technology, management practices, and design efficiency allows REL to best serve our clients to find and implement innovative and cost-effective solutions. We can teleconference and screen share to save the need to meet in-person and communicate quickly for certain aspects of a project. We still feel that face-to-face meetings and direct conversations are invaluable; however, utilizing other methods, as needed, to keep our overall costs down.

Project Understanding, Scope & Approach

We pride ourselves in communicating often with our clients and working towards common goals. Because of this philosophy, REL has built trust with clients that have spanned multiple long-term project managers. We have many clients who have been with us since Bob Lee founded REL in 1956. This is a testament to our commitment and pride to quality engineering, from top to bottom.

CLOSING

REL has a rich history of collaborating closely with various stakeholders on a multitude of engineering projects, boasting extensive experience in addressing the high expectations of our partners. We have successfully delivered projects with a close resemblance to the undertaking the City of Watertown is requesting. We also have extensive experience delivering projects for the City of Watertown over the years, understanding the desires and high expectations for preparing high quality and comprehensive engineering plans. Our accomplished team, as evidenced by our vast project experience, offers valuable engineering services, leading to a successful project execution. Our project Team and project examples can be found on the following pages.

We take pride in our comprehensive expertise across relevant disciplines, making REL an ideal candidate to partner with the City for this project. We eagerly anticipate the opportunity to collaborate with the City on this endeavor, and welcome the opportunity to present our qualification to your RFP review team.

Meet your

Lead Design Team

Our Project Management Approach is built on maintaining a personal partnership with each client. Our team aims to work as an extension of the City of Watertown and your staff to ensure a successful project.

Ryan Trzinski, P.E. is a crucial part of monitoring your project; leading and coordinating the team, and communicating with you. Ryan Trzinski, P.E. and Eric Handler, P.E. will head the design efforts. Jared Schmidt, P.E., V.P. will ensure quality control and assurance. Jennifer Liimatta, P.E., Brandon Robaidek, P.E., Michael Leidig, EIT, and Jocelyn Meissner will assist with design, reports, plans, specifications, and permitting. Gayle Lindenberg, P.E. will manage utility coordination, a. Scott DeBaker, PLS, will lead the field and office surveys.

Our team is committed to delivering high-quality projects on schedule. Resumes of our lead staff are provided in the following pages.

Dept. of Public Works
City of Watertown

Ryan Trzinski P.E.
Project Manager & Design Lead
- 17 years

Jennifer Liimatta, P.E.
Utility Design
- 11 years

Jared Schmidt, P.E. , V.P.
QA/QC
- 21 years

Brandon Robaidek, P.E.
Engineering Design - Support
- 8 years

Gayle Lindenberg, P.E.
Utility Coordination
26 years

Michael Leidig, E.I.T.
Permitting
- 4 years

Eric Handler, P.E.
Engineering Design - Senior
- 17 years

Jocelyn Meissner
Engineering Technical Support
- 3 years

Scott DeBaker, PLS
Survey Lead
- 28 years

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Ryan Trzinski, P.E.

Construction Services Manager

University of Wisconsin Platteville
Bachelor of Science,
Civil Engineering, 2007

Professional Engineer
Wisconsin, Michigan

Experience and Expertise

Ryan's versatile experience in municipal and highway transportation construction and design, showcases his versatility and expertise across multiple disciplines. With a proven construction background, he is able to complete constructibility reviews, assist as a design engineer, and offer insight into construction staging/traffic control approach to produce cost effective solutions to design complexity's.

- Complex Traffic Staging
- Rural Roadway Design
- Urban Roadway Design
- Safety Improvement projects
- Pavement Design
- Utility Design
- Federal, State, and Local Agency Permitting
- Recreational Trail Design
- Certified Bridge Inspector
- Construction Project Engineer/Leader

Main Street Water Utility - Watertown

Ryan led the design engineering for the W Main Street water utility relocation between N Water and 1st Street in anticipation for bridge and approach reconstruction over the Rock River.

- Field Survey
- Utility Coordination
- Water Main / Lateral Design
- Bidding Support

North Fourth Street

Ryan led the design engineering for North Fourth Street, resurfacing project, a 0.5-mile urban resurfacing project that included milling existing concrete pavement, placing a pavement geotextile interlayer and overlaying with HMA.

- Staging accommodations for hospital route
- Public Involvement
- Multi-Project Coordination
- Expedited BIL Funded schedule.

Role & Responsibilities

Ryan has a key design role utilizing his design and construction experience to develop proposed design packages in accordance with local and state requirements. Serving as a design engineer, QA/QC constructibility reviewer, Ryan will provide quality constructible design plans, design reporting, and PS&E documents.

Ryan's extensive background in both construction and design brings a valuable blend of skills to the team, enabling him to contribute significantly to the development of constructible utility design plans and efficient staging strategies. His expertise will not only support other design staff but also involve analyzing project staging to devise cost-effective plans that align with project goals. By leveraging his diverse experience, Ryan is well-positioned to deliver projects that not only meet quality standards but also remain within budgetary constraints, ultimately benefiting the City by ensuring the successful and cost-efficient completion of projects.

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Jared Schmidt, P.E., V.P.

Civil Engineering Manager

Marquette University

Bachelor of Science,
Civil Engineering, 2003

Professional Engineer

Wisconsin

Experience and Expertise

Jared's extensive 21-year career has honed his expertise in designing and constructing transportation facilities, ranging from local streets to major state highways. His proficiency in implementing comprehensive designs and overseeing complex multi-year projects makes him a valuable asset in providing design, project management, and mentorship crucial for project completion. Furthermore, Jared's meticulous attention to detail and receptiveness to client needs add value to every project and contribute to their overall success. His proven track record in the transportation sector underscores his capability to deliver quality results and drive REL's project achievements.

- Rural and Urban Roadway Design
- Innovative Storm Water Design
- Utility Design and Permitting
- Resource Manager
- Technical Code Review Specialist
- Quality Control / Quality Assurance

Mill Road Reconstruction

Jared helped facilitate the comprehensive design, permitting, and construction services for the reconstruction of Mill Road, in the busy downtown tourist district of Sister Bay. The project included utility reconstruction and reconfiguration to benefit the traveling public and improve pedestrian accommodations in the area.

- Roadway Modernization / Intersection Improvements
- Off street Pedestrian Accommodations / Drainage Design
- Utility Design and Coordination and Construction Services

Wisconsin Ave - STH 96

Jared's leadership was instrumental in overseeing REL's team in the successful plan development and construction of enhancements. This concrete improvement project included adding a fourth leg to the Westhill Blvd Intersection to facilitate the redevelopment of the former industrial site north of Highway 96, while also mitigating conflicts arising from the on/off ramps to the west.

- Intersection/Signal Design/Added Pedestrian Accommodations
- Median closure / Accel/Decel Lanes / Waterway Crossing

Role & Responsibilities

Jared plays an integral role with REL, aiding in the design development and execution of each project. As an REL principal, he closely monitors each projects progress and is available to provide direct input to design considerations, coordination with client contact and public input, and be personally involved in project review. As REL's lead resource manager, Jared has the ability to manage staff work loads, adjusting priorities to ensure project deadlines are met, and budgets are being appropriately managed. His attention to detail, and extensive and diverse past project history allows for a complete Quality Assurance and Quality Control review. With his review process involvement at 30/60/90 percent plan completion, critical decision making is confirmed at early stages of a design, leading to a streamlined project development process.

The design development process REL institutes helps ensure each project is evaluated for completeness, that cost effective and innovative design considerations are being made with each design decision, and that the whole project process will be managed to meet or exceed deadlines and client expectations.

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Gayle Lindenberg, P.E.

Civil Senior Project Manager

Michigan Technological University
Bachelor of Science,
Civil Engineering, 1998

Professional Engineer
Wisconsin

Experience and Expertise

Gayle's impressive 26 years of experience in civil engineering, especially in municipal projects and utility coordination, highlight her expertise as a lead design engineer and project manager. Her involvement in a wide range of roadway projects across different settings showcases her versatility in handling various challenges. In addition to her extensive engineering background, she regularly assists clients with their funding agency applications and administration. She connects the engineering needs of your project with the funding requirements in order to complete agency paperwork efficiently.

- Urban & Rural Roadway Design
- Sanitary and Water Main Design
- Utility Coordination, including Trans 220 process
- Funding Applications and Administration

Jennifer Liimatta, P.E.

Project Manager

Michigan Technological University
Bachelor of Science
Civil Engineering, 2013

Professional Engineer
Wisconsin

Experience and Expertise

Jennifer is a seasoned municipal engineer with a career spanning more than a decade. She excels in the design of both urban and rural roadways , sanitary sewer, water main, and storm sewer facilities. With a sharp attention to detail and a comprehensive understanding of project impacts, she brings invaluable expertise to her role.

- Rural and Urban Roadway Design
- Sanitary Sewer and Water Main Design
- Storm Sewer Design
- Agency Permitting
- Plan and Specification Preparation
- Bidding

Annual Utility and Street Projects

Utility Reconstruction

The City of Watertown has worked with REL to prepare engineering plans for utility and street reconstruction projects dating back to 2012. For both urban and rural sections within the City limits.

Project Owner: City of Watertown

Services Provided

- Project scoping meeting
- Topographic survey
- Preliminary design
- Utility coordination
- Public involvement
- Pavement designs
- Storm water design
- Soil borings
- Right-of-way documents
- Bicycle and pedestrian accommodation designs,
- Final plan designs, estimate, specifications, and bid letting packages

Support

- REL provides personalized service, molded to best fit each client. The same REL project managers and designers have been working with the City since the initial project, with various REL support staff providing assistance to each yearly project to best support each unique project.
- By providing continuity of project managers over the years, it gives the City an added confidence that the project team will successfully execute the design development and plan production process.

Innovations

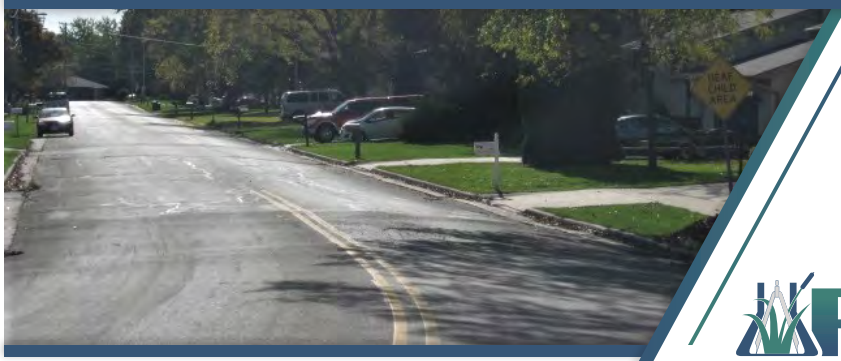
- Robotic survey equipment reduced manpower and time to complete construction staking and surveys.
- Developed a work flow providing a seamless and time saving approach to project design.
- Plans are drafted in different layer states to allow for creation of multiple plan sets from the same drawings.
- Pavement designs are utilized to ensure the proposed pavement structure is sufficient for the proposed loading and provides the most sustainable pavement and cost-effective option.
- Pulverized pavement for base material reduces costs.

Key Contributors

- Ryan Trzinski, P.E. - Project Manager/Design Lead
- Jared Schmidt, P.E., V.P. - QA/QC
- Aaron Breitenfeldt, P.E.
- Jim Westerman, PLS - Lead Surveyor
- Laura Pavelski - Lead Draftsperson

Abbreviated City Project List

- Main St, Water to 1st, Dewey Ave, Welsh Rd HSIP, 4th St, Dayton St, William St, Hart St, 3rd St, Parkview Ln, Dakota St, Milford St, Fremont St, Kansas St, etc.



Project Staff
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3rd Street
Utility and Street Reconstruction

City of Algoma

Project Owner: City of Algoma | **Reference**: Matt Murphy, Administrator, (920) 487-2391

Project Details

The City of Algoma retained REL to prepare plans for Third Street utility and street reconstruction project.

- Sanitary Sewer
- Water Main
- Storm Sewer Replacement
- Street Construction with New Base Course and Asphalt Pavement
- Curb & Gutter
- Sidewalk

Project Highlights

- Managing a design and construction project in a well established part of the City presents design challenges related to historic record keeping and documentation.
- REL prepared a comprehensive design plan vetting historic data to create a complete design. Close coordination was also needed with impacted riparians in the project area to communicate construction staging minimizing impact to the project area during construction.

Coordinating Agencies

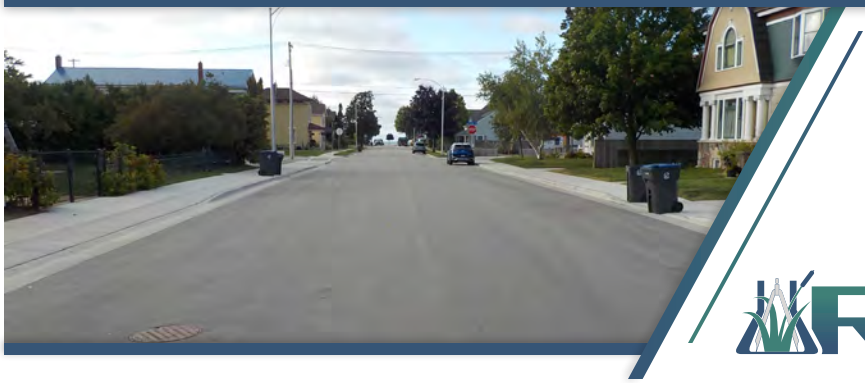
- City of Algoma
- Wisconsin Department of Natural Resources
- Algoma Utilities

Services Provided

- Engineering Design
- Topographic Survey
- Utility Coordination
- Preliminary & Final Design
- Drainage Design
- Public Involvement

Key Contributors

- Ryan Trzinski, P.E., Project Manager
- Jared Schmidt, P.E., QA/QC
- Jocelyn Meissner, Design Technician
- Scott DeBaker, PLS, Professional Land Surveyor
- Troy Hewitt, PLS, Professional Land Suveyor



Project Contact
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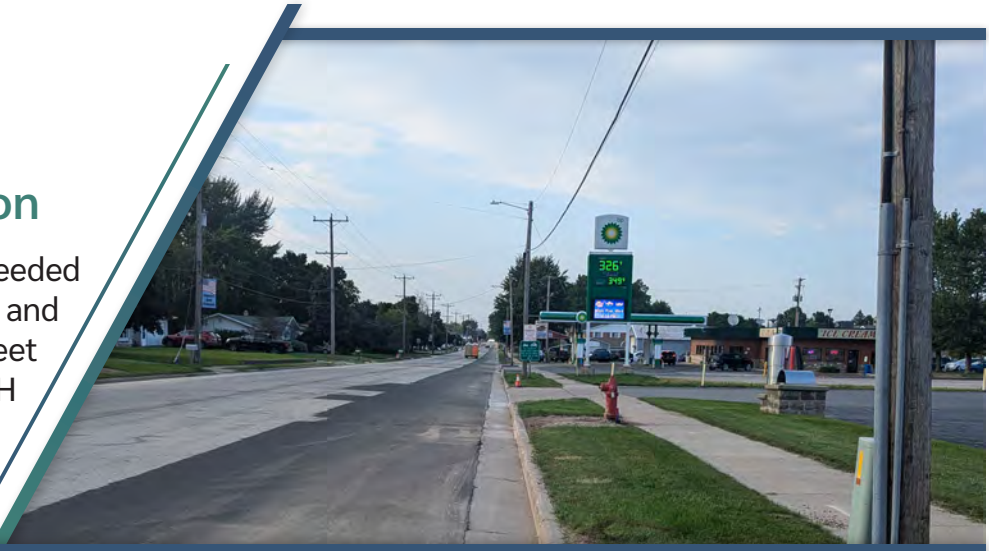
STH 47/Main Street

Utility Reconstruction

The Village of Black Creek needed to replace water main, sewer and laterals along STH 47/Main Street prior to WisDOT resurfacing STH 47.



Project Owner: Village of Black Creek | **Project Reference**: Justin Stingle, Village President, (920) 740-7517

Project Highlights

- 1,400 ft of water main and laterals on north Main Street from the Village's WWTP south to STH 54
- 2,500 ft of water main, 1,400 ft of sanitary sewer and laterals on south Main Street from Burdick Street to CTH B
- Both utilities, including laterals, hydrants, valves and manholes, were replaced. Asphalt was installed in the trench prior to WisDOT reconstruction of the roadway
- Topographic survey and as-built survey
- Design, permitting, and bidding
- Construction administration and observation of two crews
- Detour plan (approved by WisDOT and County)
- Utility work plans
- WDNR SDWLP and CWFP administration
- Hazardous material handling

Innovations

- Coordinated with WisDOT and Outagamie County to minimize the vehicle and pedestrian detour times along the route, allowing segments to be open when no work was happening.
- Project was completed under budget.

Challenges

- Construction required the closure of the intersection of STH 54 and STH 47. REL and the contractor worked to minimize this closure as much as possible.
- REL's environmental department was available to assist in the removal of hazardous materials long the utility route, which minimized delays.

Key Contributors

- Jennifer Liimatta, P.E. - Project Manager
- Jared Schmidt, P.E. - QA/QC
- Scott DeBaker, PLS - Survey
- Alan Gustafson, P.G. - Hazardous Materials
- Cara Gable - Construction Administration & Observation

Coordinating Agencies

- WDNR
- WisDOT
- Outagamie County

Project Reference: Steve Hackl, DPW (920) 419-5333

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Mill Road Utility, Street, Electrical & Lighting

Village of Sister Bay

From Maple Drive to STH 57/N Bay Shore Drive

Project Owner: Village of Sister Bay | **Project Reference**: Julie Schmelzer, Village Administrator (920) 854-4118

Project Highlights

Urbanization of 900 feet of roadway in the heart of downtown Sister Bay.

- Sidewalks
- Curb Ramps
- Drainage Improvements
- Off-street parking
- Intersection Improvements
- Utility coordination
- Street Lighting
- Storm sewer sized for planned future urbanization
- Coordinated storm sewer connection to private development on northwest corner of Maple Drive and Mill Road.

Services Performed

- Topographic survey
- Engineering
- Transportation plat and legal description
- Engineering design
- Storm water management
- Bid package
- Construction administration, observation, and record drawings

Innovations

- Realigned Post Office Lane intersection to come in perpendicular to Mill Road--increasing safety for users.
- Coordinated with utility companies to transition from overhead lines to underground to add street lighting.
- 10 curb ramps provide connectivity throughout corridor.
- Construction completed a week early, under budget, and ready for Memorial weekend tourism.

Challenges

- Existing roadway was flat and ponded water in front of off-street parking. Shifted the roadway's low point while being mindful of tight elevation constraints.
- High bedrock and plethora of underground utilities made placing storm sewer utility challenging and was placed strategically to minimize conflicts.

Key Contributors

- Jennifer Liimatta, P.E. - Project Manager
- Scott DeBaker, PLS - Survey
- Michael Leidig, EIT - Storm Water Management
- Jared Schmidt, P.E. - QA/QC
- Scott Van Calster, Construction Admin. and Observation
- Alan Gustafson, P.G. - Geotechnical

Coordinated with Berners-Schober Associates, Inc - St lighting/electrical

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Indian Hill Utility and Street Reconstruction

REL designed, bid, and performed contract administration for this complete street and utility reconstruction project in the City of Kiel.

- 630 linear feet of alley construction in a cozy 22-foot section.
- Partnered with Integrity Engineering and Design for structural design of 113 ft concrete retaining wall.

Project Owner: City of Kiel | **Project Reference**: Kris August, Utilities General Manager (920) 894-2909 ext. 105

Project Highlights

- Alley matched into multiple parking lot and driveway entrances on the north side with roadway graded tgo the south where mountable curb and gutter.
- Variance granted from WDNR for tighter horizontal separation of water main due to existing site conditions.
- Restored wider sections of roadway to grass to provide uniform roadway width and section.

Services Performed

- Survey
- Design
- Permitting
- Bidding
- Construction administration
- Staking

Key Contributors

- Jennifer Liimatta, P.E. - Design
- Jared Schmidt, P.E. - QA/QC
- Scott DeBaker, PLS - Survey

Challenges

- Reconfigured the storm sewer to fix drainage concerns on properties along the corridor.

Autumn Joy Drive Construction

REL designed and constructed the new roadway in the Village of Hobart.

- 1,450-foot road including both urban and rural sections
- Graded ditches to drain storm water to a regional pond to the east.

Project Owner: Village of Hobart | **Project Reference**: Aaron Kramer, Village Adminstrator (920) 869-1011

Project Highlights

- 1,300 ft of water main extension from existing development and stubbed to set up for future extension.
- 900 ft of sanitary sewer extension.
- Water and sanitary sewer services provided to right-of-way for future single-family homes.
- Geogrid installed beneath 1 ft breaker run to provide structural support due to wetter soil conditions.
- Coordinated with WDNR and EPA.

Services Provided

- Topographic survey
- Design
- Permitting
- Bidding
- Construction admin. & observation
- Construction staking
- As-built
- Wetland delineation
- Geotechnical investigation

Key Contributors

- Jennifer Liimatta, P.E. - Design
- Ryan Trzinski, P.E. - Construction Support
- Jared Schmidt, P.E. - QA/QC
- James Havel - Wetland Delineation
- Brandon Robaidek, P.E. - Storm Water Management
- Scott DeBaker, PLS - Survey