

# STATEMENT OF QUALIFICATIONS FOR ENGINEERING DESIGN SERVICES



**Monroe Street  
Lemon to Helen Street  
Village of North Hudson  
St. Croix County**

**Submitted by:**

**Cedar Corporation  
604 Wilson Avenue  
Menomonie Wisconsin 54751**

**(715) 235-9081  
www.cedarcorp.com**



**Submitted to:  
Melissa Luedke,  
Village Administrator**

**Village of North Hudson  
400 - 7th Street North  
Hudson, WI 54016**

**(715) 386-5141**

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engineering | architecture | environmental | surveying  
landscape architecture | planning | economic development

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September 11, 2019

Ms. Melissa Luedke  
Village Administrator  
Village of North Hudson  
400 - 7th Street North  
Hudson, WI 54016

**MONROE STREET  
LEMON TO HELEN STREET  
VILLAGE OF NORTH HUDSON  
ST. CROIX COUNTY**

Dear Ms. Luedke:

We appreciate this opportunity to submit our Statement of Qualifications for the Monroe Street Reconstruction Project within the Village. We have a qualified and experienced team of transportation professionals who are prepared to assist you with the STP-Urban Grant application process and design of the project if successfully funded.

Our long term relationship with the Village, and our knowledge of the Monroe Street project area, allows us to have a thorough understanding of this project and its needs.

Cedar Corporation is a full-service design firm with over **44 years of experience** providing clients with urban road design services — the same as what is being proposed for your project. Our design professionals complete several road projects every year. These projects have varied from small one block urban projects to longer rural town and county road projects as well as state highways.

Cedar's design process incorporates all elements of design, including: field survey, preliminary and final plan development, public involvement, environmental documentation, design reporting, construction cost estimating, and final bid documents and specifications. Our firm emphasizes communication and coordination with local officials throughout all projects.

During our site visit, the following concerns were noted:

- Failing substandard roadway
- Poor drainage
- North Hudson Elementary School and playground abuts Monroe Street
- Lack of pedestrian accommodations
- Aging sanitary and water utility system
- Absence of fire protection (lack of fire hydrants along Monroe Street)

We have identified a sub-consultant for the soil borings and report for your project as well as an Archaeological and Historical consultant, if required.

We look forward to the opportunity to work with you on this project. If you have any questions or would like additional information on past design projects Cedar Corporation has been involved in, please feel free to contact us at 800-472-7372.

Sincerely,

CEDAR CORPORATION

Kevin R. Oium, PE  
Project Manager  
kevin.oium@cedarcorp.com

Dennis Mack  
Project Designer  
dennis.mack@cedarcorp.com

Cedarburg

Green Bay

Madison

Menomonie



## PROFESSIONAL SERVICES

**Since 1975**  
**85 Employees**  
**4 Office Locations**  
**Full-Service Design Firm**

- CIVIL/MUNICIPAL ENGINEERING
- SURVEYING/GPS/GIS
- ARCHITECTURE
- WASTEWATER SERVICES
- TRANSPORTATION
- STRUCTURAL ENGINEERING
- WATER RESOURCE SERVICES
- ENVIRONMENTAL SERVICES
- LANDSCAPE ARCHITECTURE
- GRANTS/FUNDING ASSISTANCE
- PLANNING/ECONOMIC DEVELOPMENT



## Project Understanding

Monroe Street is an important roadway for local traveling residents getting to and from their residences.

A few items that were observed during our visit of the project included the following:

- The project is approximately an 1,100 ft. urban roadway in the Village of North Hudson.
- Replacement of an aging and deteriorating pavement surface.
- Water ponding along the edge of the roadway is impacting the sub-base causing surface failure (i.e. alligator cracking, lateral and longitudinal cracks, and potholes).
- Widen out the roadway to 34 ft. with concrete curb and gutter to match the village's standards and efficiently direct water away from the area.
- Extend storm sewer to the east on Lemon Street to enhance drainage in this area.
- Provide parking along one side of the street.
- Accommodations need to be made for parents and children going to and from North Hudson Elementary School and the playground.
- The addition of a five ft. pedestrian sidewalk is needed along the north side of Monroe Street to complete the connection along Lemon and Helen Street.
- Replace underground sanitary sewer and watermain including service laterals.
- Install additional fire hydrants for better fire protection.



# Project Approach and Timeline

Cedar's project approach will follow the current Federal/State process. After 12 years of serving WisDOT as a Management Consultant (MC), we are very familiar with the process. Cedar has benefited by being involved with all the projects in the North Central Local Program and is able to optimize our own process to make it better. In our 45 years of designing roads and bridges, we always had a Quality Assurance/Quality Control (QA/QC) process in place, but understanding the process as an MC allowed us the benefit of improving our QA/QC process and communication with the project sponsor. The project sponsor will review all deliverables. The approach to the project is as follows:

- Prepare 30, 60 and 90% plans. Schedule information meetings to keep them informed of the project particularly staging of the project. Multiple meetings may be required. Multiple meetings with the Village and Public Works Committee may be required as well.
- The current AADT is approximately 500 vehicles per day. We would propose to update the traffic counts along this stretch of roadway.
- Right-of-way is not anticipated.

In the end, communication with the project sponsor, state, federal agencies, public agencies, and the public is the most important piece of the puzzle. Early and frequent communication will keep the project on a path for success.

**Below is a tentative schedule. Coordination with the Village for the final schedule will be required to meet their needs.**

	<b>Monroe Street Reconstruction Project</b>
<b>Notice to Proceed *</b>	10/1/2019
<b>STP-Urban Grant Application Due Date</b>	10/15/2019
<b>STP-Urban Grant Awards</b>	Fall 2019
<b>Negotiate Three Party Agreement</b>	Spring 2020
<b>Complete Design</b>	2020-2023
<b>Complete Construction</b>	Summer 2024

# Performance Requirements

**Road Design Process  
Federal/State Funded**

## 30% Plan Tasks

- Contact Diggers Hotline
- Begin Field Survey**
  - Topography
  - Determine existing Right-of-Way
- Coordinate Geotechnical Investigation**
  - Soil Borings
- Prepare Pavement Design**
  - Sponsor Approves
- Investigate Existing Conditions**
  - Horizontal & Vertical
  - Intersection
- Determine Alternatives & Costs**
- Operational Planning Meeting (OPM)**
- Agency Coordination**
  - DNR
    - Wetland Impacts
  - Corp of Engineers
  - US Fish & Wildlife Services
  - Tribal Coordination
  - Others as Required
- Utility/Railroad Coordination**
- Public Involvement Meeting (PIM)**
- Submit 30% Plans & Draft Env. Doc.**
  - Title Page
  - General Notes
  - Typical Sections
  - Plan & Profile
  - Estimate

## 60% Plan Tasks

- Submit Environmental Document**
  - Section 106
  - 41 / 6F
  - Hazardous Materials Investigation
- Develop Design of Preferred Alternative**
- Prepare Design Study Report (DSR) (TMP)**
  - Transportation Management Plan
  - Preliminary Estimate
- Submit DSR & 60% Plans**
  - Storm Water Management Plan
  - Erosion Control Plan
  - Traffic Control / Detour Route Plan
  - Cross Sections
  - Construction Details
  - Pavement Marking/Signing Plan
- Submit Right-of-Way Plat (if required)**
  - Traditional Plat or Transportation Project Plat (TPP)
  - Legal Descriptions
  - Relocation Order
- 2nd Public Involvement Meeting (if required)**
- Begin Real Estate Acquisition (if required)**

## 90% Plan Tasks

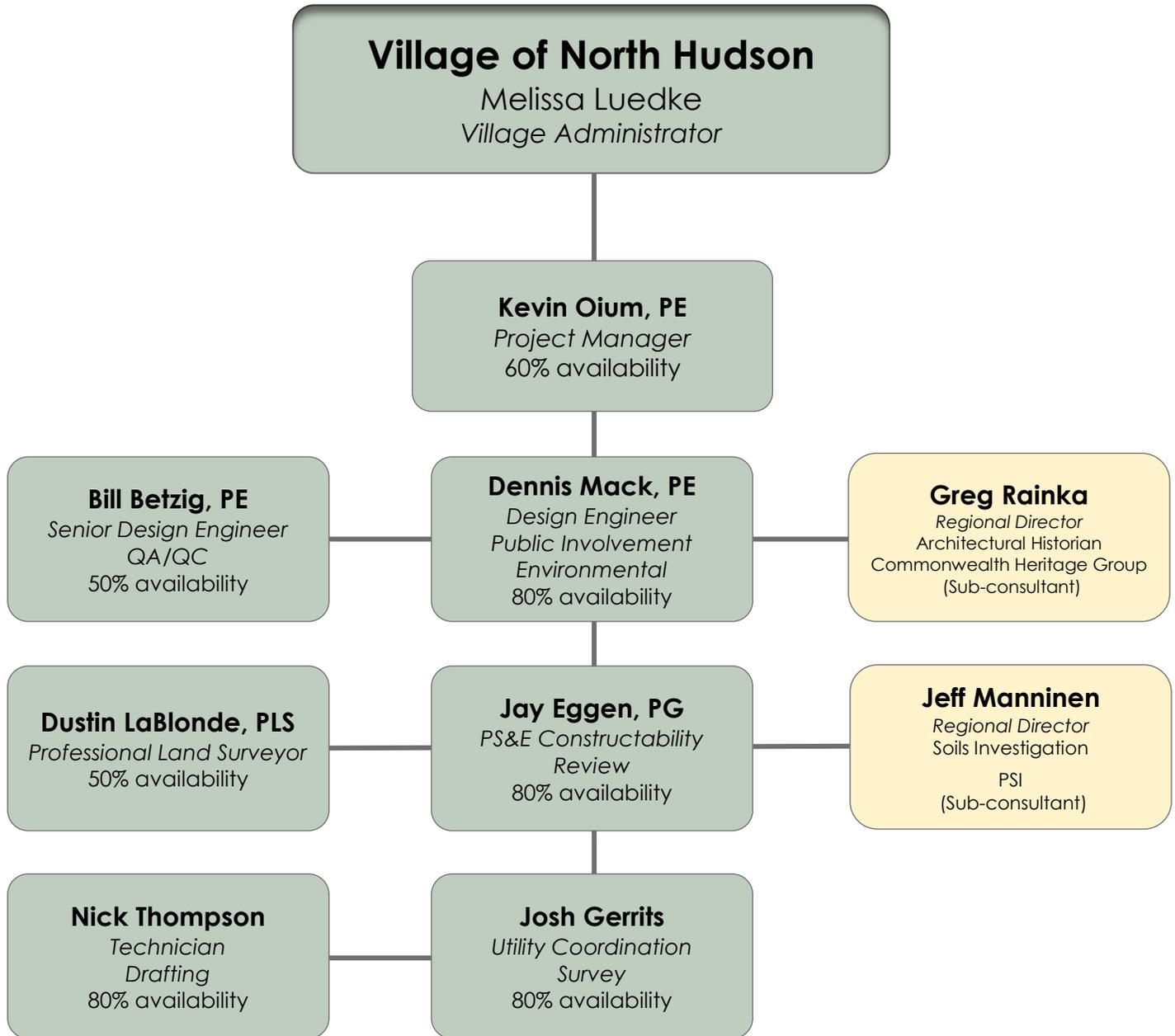
- Finalize Agency Coordination**
  - DNR (401)
  - Corp of Engineers (404)
- Finalize Utility Coordination** ★
- Calculate Final Quantities**
- Engineers Estimate**
- Finalize Plans**
- Prepare Specifications**
- Prepare Bid Documents**
- Submit Plans, Specs & Estimates (PS&E)** ★
- LET Project** ★

**Authorization to  
Begin  
Project**

★ Major Milestone



# Project Team





Kevin Oium, P.E.  
*Senior Project Manager*

#### **Education**

BS in Civil Engineering: University of Wisconsin-Platteville (1994)

#### **Professional Registrations**

Professional Engineer - WI

#### **Professional Affiliations**

American Society of Civil Engineers  
Wisconsin Rural Water Association  
Wisconsin Wastewater Operators Association

#### **Total Experience**

Since 1992

**Kevin Oium** is part of the Cedar Corporation Civil team and offers experience as a Project Manager/Team Leader for numerous municipal, transportation and private development projects in the surrounding area.

#### **Areas of Expertise Include:**

- Design, construction staking and inspection of public works, municipal, transportation and private development projects for streets, roads, curb and gutter, parking lots, water distribution systems, sanitary sewer, storm water management, and storm sewer projects
- Private onsite wastewater treatment facility and low pressure sewer system design
- Design and construction inspection of wastewater lift stations
- Design upgrades to municipal water well houses
- Preparation of assessment reports, capital improvement plans, feasibility studies, and cost benefit analysis
- Hydrologic, hydraulic and water quality storm water computer modeling and analysis
- Review of developer prepared construction plans, specifications, and computer modeling analysis for new residential and commercial developments acting on behalf of the community as City/Village Engineer
- Attendance at numerous Village Board, City Council, Town Board, and various committee meetings
- Preparation of needed governing agency permits for municipal and private development projects. Examples include WIDNR Chapter 30, WIDNR Water Quality Certification, WIDNR Notice of Intent and Post-Construction Storm Water Management and WIDNR Watermain and Sanitary Sewer Extensions
- WisDOT/Federal Highway Environmental Documentation
- Downtown and waterfront re-development
- Funding assistance through the WisDOT STP-Urban, Community Development Block Grant program, clean water fund, and safe drinking water loan program
- PASER rating updates of municipal streets

#### **Representative Project Experiences Include:**

- Municipal Engineer for the Village of North Hudson, Village of Woodville, City of Cornell, City of Glenwood City, Village of Clear Lake, Village of Milltown, Village of Knapp, and Town of Menomonie
- Village of North Hudson - Project Manager for the 2015 street and utility improvements project
- Village of Woodville - Project Manager for 2018 street and utility improvements project that included street, storm sewer, water main, sanitary sewer, sidewalk, curb and gutter, decorative lighting and bridge railings, colored and stamped concrete, and pedestrian crossings
- City of Cornell - Project Manager for the 2018 street and utility improvements project that included street, storm sewer, water main, sanitary sewer, sidewalk, and curb & gutter
- Town of Menomonie - Project Manager for Phase I & II 390th Street (Rudiger Road), 2.1 mile town road reconstruction improvement project
- City of Durand - Project Manager for 2018 street and utility improvements project that included street, storm sewer, water main, sanitary sewer, sidewalk, and curb & gutter
- Village of Woodville - Project Manager for the 2019 street and utility improvements project along CTH BB / Main Street. Project included sanitary sewer, watermain, storm sewer, concrete sidewalk, street and curb & gutter
- City of Menomonie - Project Manager for the 2019 street resurfacing project
- City of Cornell - Project Manager for the 2015 street and utility improvements project that included street, storm sewer, water main, sanitary sewer, sidewalk, and curb & gutter



**Dedication, Quality, Success**



Dennis Mack, P.E.  
*Design Engineer*

**Education**

BS in Civil Engineering : University of Wisconsin-Platteville (1993)

**Professional Registrations**

Professional Engineer - WI

**Professional Certifications**

NEPA Certified

**Total Experience**

Since 1993

**Dennis Mack** has been a Transportation Engineer for Cedar Corporation since 1995. He has been involved in the management and design of State, County, City, and Town road, bridge, and trail projects throughout Wisconsin.

Mr. Mack had the benefit of managing local program projects for WisDOT's North Central Region from 2006 through 2018. His experience as a management consultant gives him a clear understanding of the Federal Process in order to efficiently complete federally funded projects. He has been trained in the NEPA process during his time as a management consultant. He has written and reviewed Environmental documents (CEC's, ER's, EA's), coordinated with state and federal agencies, presented at public involvement meetings, prepared Section 106 documentation involving archaeological and historical impacts, coordinated with Native Americans, participated in tribal listening sessions, prepared Section 4(f) and 6(f) evaluations, environmental justice coordination, and endangered resources review coordination.

He has prepared preliminary and final design of hundreds of road and bridge projects, has evaluated horizontal and vertical profiles, evaluated hydrology and hydraulics for structure sizing of bridges and culverts, structural design of reinforced concrete slab bridges, and performs Quality Assurance and Quality Control (QA/QC) for road and bridge projects.

**Areas of Expertise Include:**

- Clear understanding of the WisDOT (Federal) process
- Preparation of Environmental Documentation (CEC's, ER's, EA's)
- Hydrology and Hydraulics for Bridge and Culvert sizing
- Structural Bridge Design
- Rural and Urban Roadway Design
- QA/QC of Road and Bridge projects

**Representative Project Experience Includes:**

**Miscellaneous**

- North Central Local Program Management Consultant 2006 to 2018
- Management Support for Eau Claire County, Various CTH Road projects
- STH 25 Nelson Wabasha Bridge Rehab/Replacement over Mississippi River, Buffalo County, Environmental Document

**Roads**

- CTH F Rural Reconstruct, Washburn County
- CTH B Rural Reconstruct, Douglas County
- USH 77, STH 35 to Deer Lake Road Reconstruct, Burnett County
- 390<sup>th</sup> Street Rural Reconstruct Phase I & II, Dunn County
- CTH T Rural Reconstruct, Sawyer County
- CTH E Rural Reconstruct, Sawyer County
- Cedar Falls Road Urban Reconstruct, Dunn County



**Dedication, Quality, Success**



Bill Betzig, P.E.  
Senior Design Engineer

#### Education

BS in Civil Engineering: University of Wisconsin-Platteville (1987)

#### Professional Registrations

Professional Engineer - WI, IA

#### Professional Associations

American Society of Civil Engineers (ASCE)  
American Council of Engineer Companies (ACEC)

#### Total Experience

Since 1984

**Bill Betzig** has over 30 years of experience in the development of plans and specifications for the Wisconsin Department of Transportation (WisDOT), various municipalities, and residential developers, for roadways, multi-use paths, and utility improvement projects of various sizes and complexities. He specializes in design and construction of WisDOT urban and rural roadway projects along with municipal streets and utilities.

#### Areas of Expertise Include:

- Project manager for street, highway and bridge design projects
- Rural roadway design and construction
- Urban street design and construction
- Urban utility design and construction
- Public Involvement
- Utility/Railroad/Agency Coordination
- Final PS&E packages
- Multi-use path design

#### Recent Project Experiences Include:

##### WisDOT Projects

(some include when working with previous employer)

- USH 51 – Pflaum & Buckeye Road Intersections, City of Madison, WI
- I-90/94 Corridor Study, Columbia, Juneau & Sauk Counties, WI
- STH 69 (STH 92 to CTH D), Belleville, WI
- CTH M & CTH S, City of Madison, WI
- IH 39, Marquette and Waushara Counties, WI
- CTH BB, City of Monona, WI
- CTH MS, City of Madison, WI
- West Garland Street, Village of West Salem, WI
- IH 39/90/94, Dane County, WI
- STH 133, Grant County, WI
- USH 16 & CTH R Intersection, City of Watertown, Dodge County, WI
- USH 14, City of Evansville, Rock County, WI
- STH 23, Sauk County, WI
- STH 23, Wachter Avenue Village of Plain, Sauk County, WI
- STH 60, Sauk County, WI
- STH 78, Village of Mount Horeb, WI
- CTH C (Martin Street), Village of Sharon, Walworth County, WI
- Third Avenue, & Michigan Street, City of Sturgeon Bay, Door County, WI
- Swarthout/Sauer Road Bridge & Approaches, Town of Fountain Prairie, Columbia County, WI
- Seier Road Bridge & Approaches, Town of Fountain Prairie, Columbia County, WI
- Central Park Bridge and Pathway, City of Edgerton, WI
- Cole Road, Town of Lowell, Dodge County, WI
- Edgewood Drive Bridge & Approaches, Town of Quincy, Adams County, WI
- Main Street Bridge & Approaches, City of Evansville, Rock County, WI
- CTH G (Main Avenue) Urban Street Reconstruction, Village of Ashwaubenon, WI
- South Beloit Recreational Trail and Dorr Road Bike Path (Sections A&B), Rockton Township, IL
- Phase 1 & 2, Heritage Trail Multiuse Path, City of Postville, IA
- Multiuse Path, Town of Windsor, WI
- Veterans Memorial Riverwalk, City of Delafield, WI
- Central Park Bike and Pedestrian Bridge over Saunder's Creek, City of Edgerton, WI
- High Street Marsh Trail, City of Edgerton, WI



Dedication, Quality, Success



Dustin LaBlonde, P.L.S.  
*Professional Land Surveyor*

**Education**

Associate Degree in Civil  
Engineering Technology: NWTG-  
Green Bay (2015)

**Total Experience**

Since 2008

**Dustin LaBlonde** is a member of the Surveying Team at Cedar Corporation. Dustin is an experienced Professional Land Surveyor providing design, survey and construction related services for various clients. Dustin has assisted with the construction observation, construction staking and layout, Topographic Surveys, Boundary Surveys, Certified Surveys, Assessor's Plats, ALTA Surveys, Remonumentation Surveys and field data collection for a variety of projects.

**Areas of Expertise Include:**

- Proficiency with surveying equipment such as Trimble R8 and R10 RTK GPS, Topcon HiPer Ga RTK GPS, Topcon static GPS units, Trimble S10 robot, Trimble 3M total station, Topcon total station, Trimble TSC 3, Topcon FC0100, GRS-1 and Tesla data collectors, Sokkia C3 level
- Experience with Microsoft Word and Excel 2013, Auto CAD 2014, Sight Survey, Carlson Survey 2014 and GIS Software
- Knowledge of surveying techniques and legal descriptions



Jay Eggen, P.G.  
*PS&E Constructability Review*

**Education**

BA in Geology: University of  
Minnesota (1983)

**Total Experience**

Since 1985

**Jay Eggen** has been an Engineering Geologist and Technician also specializing in Hydrology and Hydraulics with Cedar Corporation for over 25 years. Jay has served as a Project Manager for the construction of over 70 bridge/approach and roadway projects for the Wisconsin Department of Transportation (WisDOT). His experiences include various aspects of land surveying, including field and office work and is also involved in the design and drafting of engineering projects in the structural department including in-house dam rehabilitation projects.

**Areas of Expertise Include:**

- Construction Project Manager
- Design Project Manager
- Quality Assurance Manager
- Construction Billing Manager



**Dedication, Quality, Success**



Nicholas Thompson  
*Technician*

**Education**

Associate Degree in Civil Engineering Technology:  
Chippewa Valley Technical College (2015)  
BS in Marketing & Business:  
University of Wisconsin-Stout (2003)

**Total Experience**

Since 2014

**Nick Thompson** is a member of Cedar Corporation's Structural Team and is involved in design of local bridge and road projects. His involvement also includes data collection, utility coordination, agency coordination, quantity take-off, development of design reports, and environmental documents.

Nick provides administrative support in the North Central local road program consisting of: utility coordination review, pavement design review, and plan reviews.

**Areas of Expertise Include:**

- Experience with AutoCAD, Civil 3D, MicroStation, and Revit
- Bridge, Roadway, and Building Design
- Topographic Data Collection and Mapping
- Hydraulic Analysis (HEC-RAS) for modeling Bridges, Culverts, and Floodplains
- Utility/Agency Coordination
- Development of Design Reports and Environmental Documents



Josh Gerrits, P.E.  
*Utility Coordination*

**Education**

BS in Civil Engineering:  
Michigan Technological University (2012)

**Total Experience**

Since 2011

**Josh Gerrits** is a member of the Cedar Corporation team and brings with him technical field experience, municipal design experience, GIS mapping, and a comprehensive transportation engineering background. He has extensive experience with utility coordination and design for WisDOT projects in the North Central Region.

**Areas of Expertise Include:**

- Sanitary Sewer/Water Main and Stormwater Design
- Roadway Design
- Utility Coordination for North Central Region WisDOT Projects
- AutoCAD Civil 3D Design for Municipal and Roadway Projects
- Construction Inspection and Administration
- GIS Mapping



**Dedication, Quality, Success**

# Project Experience

**PROJECT:** Street Reconstruction  
**CLIENT:** City of Menomonie  
**LOCATION:** Main Street and 13th Street, Menomonie, Dunn County, Wisconsin  
**CONTACT:** Lowell Prange, City Administrator, 800 Wilson Avenue, Menomonie, WI, 715-232-2187  
**SIZE:** 3,600 lineal feet  
**COST:** \$1.4 million  
**COMPLETED:** 2018  
**KEY STAFF:** Russ Kiviniemi, PE; Greg Adams, PE; Dennis Mack, PE; Troy Peterson, PE; Nick Thompson; Mark Kuester;

**DESCRIPTION:** Cedar Corporation was acquired to complete the design for an urban road reconstruction located in a residential area in Menomonie. The project addressed three main concerns: roadway deficiencies, safety, and utilities. The original roadway suffered from poor conditions such as: ponding of water during rain and snow events, rutting and cracking pavement, broken curb and gutter, uneven sidewalks, undersized watermain, among other concerns.

Cedar Corporation provided design, bidding, and construction services through completion of this project. The project featured base improvements, wider driving lanes, traffic calming design element, slope adjustments, curb and gutter replacement, new asphalt, crosswalks, bike lanes, parking lanes, erosion control, storm sewer, sanitary sewer, and watermain. Cedar coordinated construction with affected residences to minimize disruption and keep them up-to-date on project progress.



# Project Experience

**PROJECT:** CDBG Street Reconstruction Project  
**CLIENT:** City of Durand  
**LOCATION:** Washington Street, Durand, Pepin County, Wisconsin  
**CONTACT:** Scott Rasmussen, City Administrator, 104 E. Main Street, Durand, WI, 715-672-8770  
**SIZE:** Three City Streets  
**COST:** \$1,225,000  
**COMPLETED:** 2014  
**KEY STAFF:** Kevin Oium, PE; Wendy Sander, AICP; Ryan Jones, Mark Kuester, Bruce Peterson

**DESCRIPTION:** The City applied for and received a grant for this project which was the reconstruction of Washington Street, 9th Avenue, and 10th Avenue. Cedar Corporation prepared and administered the grant and provided design, bidding, and construction services during the course of the project. The project included the reconstruction of three city streets including sidewalk, curb and gutter, asphalt pavement, storm sewer, sanitary sewer, and water main. Cedar Corporation coordinated construction with local affected businesses and residences to minimize disruption and kept them informed regularly on the progress of the project.



# Project Experience

**PROJECT:** CDBG Street Reconstruction Project  
**CLIENT:** City of Cornell  
**LOCATION:** Cornell, Chippewa County, Wisconsin  
**CONTACT:** David DeJongh, Clerk, 222 Main Street, Cornell, Wisconsin, 715-239-3710  
**SIZE:** 2,000 linear feet of reconstruct  
**COST:** \$950,000  
**COMPLETED:** 2018  
**KEY STAFF:** Kevin Oium, PE; Wendy Sander, AICP; Kathryn Blaser, Mark Kuester, Ryan Jones

**DESCRIPTION:** The City applied for and received a \$500,000 CDBG Public Facilities grant for this project, which involved the reconstruction of South Street from STH 27 to 8th Street. Cedar Corporation prepared and administered the Public Facilities grant and provided design, bidding, and construction services during the course of the project.

The project included the reconstruction of City street including sidewalk, curb and gutter, asphalt pavement, storm sewer, sanitary sewer, and watermain. Cedar coordinated construction with local affected businesses and residences to minimize disruptions and kept them informed regularly on the progress of the project.

