



BURR RIDGE

PUBLIC WORKS

REQUEST FOR PROPOSALS

For

**DESIGN ENGINEERING & CONSTRUCTION ENGINEERING OF
WOODVIEW ESTATES WATER MAIN REPLACEMENT PROJECT
WOODVIEW ROAD - SOUTH DRIVE - LAURIE LANE - GREGFORD ROAD**

Submittal Date and Location

September 19, 2022

VILLAGE OF BURR RIDGE
7660 S. COUNTY LINE ROAD
BURR RIDGE, ILLINOIS 60527

Direct all Questions and Inquiries to

David Preissig, P.E.

Director of Public Works & Village Engineer
dpreissig@burr-ridge.gov
(630) 654-8181 x.6000

REQUEST FOR PROPOSAL
**DESIGN ENGINEERING & CONSTRUCTION ENGINEERING OF
WOODVIEW ESTATES WATER MAIN REPLACEMENT PROJECT**

A. Purpose:

The Village of Burr Ridge is seeking proposals from qualified consultants to provide professional engineering services and construction inspection of the Woodview Estates Water Main Replacement Project ("Project"). Respondents must demonstrate expertise with all aspects of water main engineering design and construction, trenchless construction, land surveying, resident involvement, and construction inspection for an infrastructure replacement project in mature residential neighborhoods. The Project will include work within rights-of-way under the maintenance and jurisdiction of the Village of Burr Ridge and Village of Hinsdale.

The Village is requesting survey, design engineering, and preparation of permit and bid documents in anticipation of a local letting in February 2023, and construction engineering services for the Project from June 2023 through its completion.

B. Project Scope

PRIMARY OBJECTIVES

Water main in the Woodview Estates subdivision is 6" diameter ductile iron and was constructed in 1970. This neighborhood is experiencing numerous breaks, while the Village's distribution system also lacks redundancy, which could leave more than 150 properties without water during a catastrophic main break. A hydraulic model of the distribution system found that inadequate pressure and fire flow is available in this area that includes a townhome community.

The Project will construct new 8" diameter water mains of a type to be determined. New fire hydrants, valves in vaults, service lines, and b-boxes will be included. A parallel 8" main will be necessary on Laurie Lane between Tomlin Drive and South Drive to provide redundancy and increase fire flow. The Village's existing main in the King Bruwaert House senior living community will be newly connected to existing main at the west end of Gregford Road in coordination with the Village of Hinsdale through their property in Katherine Legge Memorial Park. A main that is nearly 70 years old and situated inaccessibly in rear yards between the Woodview Estates South condominiums and Plainfield Road would be abandoned as part of this project.

Other considerations would involve trenchless construction methods explored for construction of the parallel mains. While open-cut trench excavation with street removal and replacement would be anticipated for all other areas, the highest regard should be given to maintaining and protecting mature trees and landscaping.

No lead service lines are known to exist in the Village of Burr Ridge. This area is served by Village sanitary sewer consisting of vitrified clay pipe but is also traversed by interceptors of the Flagg Creek Water Reclamation District.



PROJECT LOCATION MAP



ADDITIONAL SCOPE ITEMS

The project is to be managed, designed, and constructed with the highest regards for best practices, quality, cost, schedule, and property owner convenience. The project will be completed with Village funds, and no State or Federal grants are anticipated.

The Woodview Estates Water Main Replacement Project, including the water main abandonment, would be bundled as one plan set for advertising, bidding, and award of a construction contract. The Village updated some of its water main construction standard drawings and specifications in a 2019 water main construction project; therefore, the consultant should update these specifications with industry best practices.

Frequent notices to residents regarding service interruptions and driveway access will be critical.

Easement plats and legal descriptions should not be necessary for the segment of Village main constructed through the Village of Hinsdale in Katherine Legge Memorial Park.

The Village sanitary sewer is currently undergoing televising and smoke testing, which may determine deficiencies in the sewer pipes within the Woodview Estates neighborhood. Should this investigation determine that sewer segments should be rehabilitated, this work could occur concurrently in the same construction project. As such, the consultant design contract would be amended to include this additional scope, but it is unknown at this time. A Watershed Management Ordinance permit from the Metropolitan Water Reclamation District of Greater Chicago (MWRD) would be processed in an amended design contract with the consultant.

ANTICIPATED PROJECT PHASES

Design: October 2022 to January 2023

Bidding: Bid opening on February 2, contract award February 13, 2023

Construction: June to August 2023



C. Minimum Scope of Engineering Services

Proposals are requested to cover the essential services anticipated in design engineering and construction engineering for this water main replacement project. The following design and construction engineering services are anticipated:

1. Design engineering to include at a minimum the following:
 - a. Utility coordination – locate all underground and above-ground utilities by contacting J.U.L.I.E. for a design-stage locate and atlases, so existing utilities may be shown accurately on design plans. Project design shall take into account any utility conflicts.
 - b. Topographic survey to include the following:
 - i. Horizontal and vertical control as established by the Village of Burr Ridge benchmarks (NAD83) available from the Village's website.
 - ii. Elevation points to the nearest one-hundredth of a foot.
 - iii. Right-of-way and property corners located. Parcel data in ArcView (.SHP) format is available from the Village. Sufficient monuments located to re-create rights-of-way on design drawings.
 - iv. Trees recorded with diameter breast height.
 - v. All above ground structures and landscape materials located and identified.
 - vi. Identify other utility information, critical surface and subsurface features, and verify given atlas information, including for all structures the structure size, condition, pipe size(s), and top-of-pipe or invert elevation(s).
 - vii. Topographic and utility survey extents shall include a sufficient area to develop design plans.
 - c. Coordinate a project kick-off meeting to discuss anticipated constraints, coordination, and project schedule.
 - d. Schedule and coordinate the Geotechnical Investigation to include an appropriate number of soil borings for a) trenchless installation, and b) prepare a report and LPC 662/663 forms. The benefits of trenchless methods for certain segments of the proposed water main replacements will be determined during design, for which the soil borings are necessary.
 - e. Schedule one coordination meeting with the Village of Hinsdale to review water main alignment and construction access specifications in Katherine Legge Memorial Park.
 - f. Prepare a preliminary estimate of cost at the 50% design stage for Village staff to evaluate and refine the scope of work and construction limits.
 - g. Prepare pre-final (90% submittal) plan and profile sheets, quantity and general notes sheets, stormwater pollution prevention plans, details, specifications, and summary of quantities for Village review and comment.
 - h. Submit 90% plans of KLM Park segment to Village of Hinsdale for review and comment.
 - i. Prepare an IEPA Division of Public Water Supplies Application for Construction Permit.
 - j. Attend one public open house meeting with residents.
 - k. Prepare final design plans along with contract bid documents, and a final cost estimate



for Village approval and concurrence to proceed to bidding.

- l. Prepare bid advertisement for a local letting, prequalify contractors, provide bid documents on an on-line bid procurement portal under the firm's control, and issue addenda as necessary.
 - m. Prepare itemized bid tabulations, evaluate the lowest responsive and responsible bids, prepare a contract award recommendation, and assemble contract documents following a local letting conducted by the Village.
2. Construction engineering shall include at a minimum the following services:
- a. Provide one, full-time resident engineer for the anticipated construction period, and serve as the Village's liaison with the contractor.
 - b. Conduct a utility meeting with all affected utilities for acceleration of relocation schedules, if applicable.
 - c. Schedule and conduct a pre-construction conference with the contractor, the Village, Village of Hinsdale, and other applicable parties.
 - d. With construction layout to be performed by the contractor, provide accurate control information and verify their construction layout services.
 - e. Prepare a project notification and a lead information notice regarding lead plumbing (if present), assembled for the Village's distribution to residents.
 - f. Assist the Village in addressing questions of stakeholders and/or general public as required during progress of the work.
 - g. Observe and document the progress and quality of the executed work to ensure all work is proceeding in accordance with the Contract Documents. The field inspector from the Consultant must be the same throughout the duration of the project with only occasional absences or substitutions, and would be expected on-site only 75% of the time when a contractor is working on major items of work.
 - h. Review shop drawings and submittals from the contractor, collect and file material tickets in conformance with the contract documents.
 - i. Provide any required material testing, and required clean construction and demolition debris forms, permitting and testing.
 - j. Prepare as-built record drawings along with as-built CAD linework for the Village's utility atlas.
 - k. Prepare payment requisitions and change orders. Review applications for payment with the Contractor for compliance and forward recommendations to Village. Provide regular updates on estimated final costs of the project.

D. Statement of Qualifications & Submission of Proposal

Price proposals are requested for the engineering services as described herein. The Village reserves the right during the term of the agreement to request services in addition to those specified in the Proposal, with payment for those additional services to be mutually agreed upon between the Village and Consultant. The Village is not responsible for expenses incurred by the firm prior to award. The Village reserves the right to reject responses and to waive irregularities or informalities.



A submitting firm's Proposal shall summarize the following:

1. Firm Information: Description of the consultant's and sub-consultant's capabilities, strengths and relevant experience for similar project design and management.
2. Key Personnel: Resumes of key staff that would be assigned to this project.
3. Summary of the consultant's understanding, approach, and schedule for the scope of work which should include any services or tasks not specifically identified herein that the consultant believes will improve the project outcome.
4. Subletting: Identify sub-contractors or sub-consultants to be employed by the firm on the project, including qualifications and relevant experience.
5. Description of the firm's review processes for quality assurance and quality control of internal design and subconsultant information and submissions.
6. Listing of projects awarded to the firm in the past 3 years that are most comparable to this project, including contact name and telephone number,
7. Categorized costs by major component of the project and an hourly rate schedule for classifications in the Consultant's organization that would be utilized on the Project.

Questions must be submitted via email to dpreissig@burr-ridge.gov no later than 10:00 a.m. on September 15, 2022. Village responses for clarification of statements herein will be provided to the known list of RFP recipients.

Each consultant shall provide two (2) hard copies of their Proposal response, signed by an authorized official of the firm, in a sealed envelope.

E. Consultant Selection Schedule

The Village will receive Proposal responses at the Village Hall, Village of Burr Ridge, 7660 S. County Line Road, Burr Ridge, Illinois, 60527. Proposals must be received no later than 10:00 a.m. on Monday, September 19, 2022. Electronic submittals will not be accepted.

Each Proposal will be evaluated by at least two Village staff members on the following:

1. Experience and capability of the proposed project team.
2. Proposed project approach and scope of services to be provided.
3. Ability to meet the anticipated schedule and Village expectations.

Village staff will discuss the proposal of the leading selected firm relative to scope of services, fees, and schedule. If a fee can be negotiated that is deemed fair, reasonable and within budget, a recommendation for award of the Design Engineering services will be brought to the Village Board on September 26, 2022. Reviews, evaluations, and information regarding a firm's status will be kept confidential until a decision is made for recommendation to the Village Board for approval.

The Village may, at its option and with the concurrence of the consultant, execute a contract for the Construction Engineering services to the same design engineering consultant. The consultant will be notified in writing of the Village's intention to execute the contract not less than thirty (30) calendar days prior to the letting. The costs for construction engineering services identified in this proposal response may be adjusted upon reviewing an explanation by the consultant of the changes to project scope between those anticipated in the proposal and as actually provided in the bid documents. The Village's option to renew will be based on performance of services provided in the design engineering phases.

