

January 10, 2022

Mr. Mike Gitter, P.E., C.H.M.M.  
Chief of Operations  
Racine Water & Wastewater Utilities  
800 Center Street, Room 227  
Racine, WI 53403  
[mike.gitter@cityofracine.org](mailto:mike.gitter@cityofracine.org)

Re: Proposal for Chicory Road Sanitary Sewer Interceptor Relay/Upsizing  
Project ID: Contract – A-22  
raSmith Opportunity No.: 2211029

Dear Mike:

Thank you for allowing raSmith to provide you with a proposal for professional services. We are excited for the opportunity to work with the Racine Water & Wastewater Utilities on the Chicory Road Sanitary Sewer Interceptor Relay/Upsizing project. raSmith has the project management skills, relevant experience, and staff availability to deliver a successful project. Our team will review all aspects of your project, discuss your specific needs, and collaborate with you throughout the duration of your project. The contents of this proposal letter spell out the Project Understanding, Scope of Services to be provided, Project Schedule, Professional Fees, and the Client Responsibilities/Assumptions under which this proposal is being made.

### **Project Understanding**

The Chicory Road Sanitary Sewer Interceptor Relay/Upsizing project (Project) consists of the design and bidding effort for relaying and upsizing the existing sanitary sewer within Chicory Road from Lathrop Avenue to Knoll Place and within Knoll Place from Norwood Drive to Chicory Road. The sanitary sewer upsizing has been provided by the Utility's consultant, Brown and Caldwell, which will be utilized for this design. Within Chicory Road the approximately 4,000-foot sanitary sewer will be upsized to 30 and 36-inch pipe and approximately 1,000 feet to 24-inch pipe within Knoll Place. The Utility has retained a second consultant, Strand Associates, Inc., to design and bid a storage tank into which the proposed interceptor sewers will discharge. Coordination with the Utility, Village of Mount Pleasant, and Strand is anticipated throughout the course of the project. Although the design has two consultants for the different project components, it is anticipated a single Clean Water Fund Loan (CWFL) application will be submitted by the Utility to the Wisconsin Department of Natural Resources (WDNR) for approval in the fall of 2022. After the loan is secured through the CWFL process, the interceptor project will be bid.

As part of the Project, topographic survey (based on horizontal datum NAD 1983, 2011 State Plane Wisconsin south and vertical datum NAVD 88 (USGS)) will be conducted throughout the project limits along with a geotechnical investigation determining soil parameters for the anticipated cut and cover and potential jack and bore at the existing ditch construction methods. A wetland delineation will also be completed for the Project, which anticipates a 60-foot wide corridor from road centerline toward the right of way. Based on an initial desktop review, three mapped wetlands exist as well as mapped wetland indicator soils within the Project.

The project design team will complete an initial proposed layout, 60%, 90%, and Final Plans. Opinions of Costs will be provided for the 60%, 90%, and Final Plan submittals and be refined as the project design progresses. Project specifications will be provided to the Utility along with the 90% and Final Plan submittals.

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Public and private utility coordination will occur throughout the project, with notification to the respective utility companies after the 60% plans are complete.

Below is a picture of the proposed work area:



The intent is to complete the design so that the project may be submitted to WDNR CWFL approximately at the end of September 2022 with construction anticipated to begin in May/June of 2023.

## Scope of Services

- A. Field Topographic Survey: Perform topographic field survey including Digger's Hotline mapping and field locates throughout the project limits.
- B. Wetland Delineation: Perform a wetland delineation field study where wetland boundaries will be verified using the Routine On-Site Determination Method as defined in the 1987 Corps of Engineers Wetland Delineation Manual and in the Midwest Regional Supplement, and will be performed in accordance with Wisconsin Department of Natural Resources (WDNR) requirements. The delineation technique uses a multi-parameter approach, which requires evidence of wetland hydrology, hydric soils, and hydrophytic vegetation. raSmith ecologists will also consider topographic conditions and use professional judgment in performing the work. The boundaries of areas meeting wetland criteria will be flagged in the field and GPS-located with a Trimble Geo7x.

The findings from the field delineation will be documented in a wetland delineation report. Data sheets, a wetland boundary map, a soils map, aerial photographs, a Wisconsin Wetland Inventory map, and color copies of photographs will be included the report. If during the course of this project, we identify potential wetland fill violations that are less than 10 years old, we must note the potential violations in the wetland



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report. A draft copy of the report will be e-mailed to you in .pdf form prior to submittal to the WDNR. We recommend that the report also be sent to the US Army Corps of Engineers if a permit is to be obtained.

- C. Geotechnical Soil Borings: Through a sub-consultant, Terracon, provide 12 soil borings, each to an anticipated depth of 30 feet at approximately 500-foot spacing with an anticipated total boring length of 360 feet. Borings will be performed with a wheeled drill rig and sampled at 2-1/2 foot intervals in the upper 10 feet and then every 5 feet thereafter. Upon boring completion, the holes will be backfilled with auger cuttings and the pavements will be patched with cold-mix asphalt and/or ready-mixed concrete as appropriate. Traffic control efforts are anticipated as utilizing a flagger, cones, and advanced signs in accordance with the MUTCD standards. Any fees charged by the Village and/or City for the soil borings are not included within the scope, and boring locations and surface elevations thereof are anticipated to be field located by raSmith.

The geotechnical report will include: boring logs, stratification based on visual soil classification, groundwater levels observed during and after drilling completion, site and boring location plans, subsurface exploration procedures, description of subsurface conditions, pavement design parameters for redesign of pavement over utility trench, and recommendation for sanitary sewer utility installation--including open cut trench excavations, backfilling and dewatering (if needed), as well as lateral earth pressures to be used by others for jack and bore operation, and subgrade preparation/earthwork recommendations.

- D. Construction Plan Design: Complete the following in close coordination with the Utility's and Village's Engineering Department as well as the Utility's consultant (Strand, Associates, Inc.) for the storage basin:
1. Initial plan view layout of existing utilities and proposed interceptor sanitary sewer,
  2. 60% plans showing sanitary sewer and related appurtenances in plan and profile view, (services are anticipated to be reconnections into the proposed main) and opinion of construction costs for the work, and
  3. 90% and Final construction plans including specifications, bidding documents and opinion of construction costs for the work.

Full size (22" x 34") plans at 20 scale are anticipated to include: Title Sheet, General Notes and Construction Sequencing Sheet, Traffic Control and Detour Sheets as required, Standard Details (Erosion Control, Manholes, Typical Trench Section, and Street Restoration Section), any other necessary details required to bid the project, and Sanitary Sewer Relay Plan and Profile Sheets.

- E. Utility Coordination: Coordinate with utility companies within the project corridor on the proposed design to determine existing facility locations and status. Provide utility notifications and plans to utility owners within the project corridor. Prepare any necessary special provisions for utility coordination in the construction plans and contract. Coordination, proposed layouts and special provisions are key to avoiding conflicts and keeping the project on schedule.
- F. Permitting: Complete permit applications and attain permits required for project construction. The project permits anticipated are: WDNR Sanitary Sewer Permit and WDNR Notice of Intent (NOI). Based on the desktop review, no wetland impacts are currently anticipated. In the event additional wetlands are field verified, alternatives to avoid said wetlands will be explored. Currently wetland permitting is not anticipated for the project and is not part of the Scope of Services.



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**G. Bidding Activities:**

1. Provide and coordinate the legal advertisement of the project in the local legal publication.
2. Provide and upload bidding documents to QuestCDN, conduct and attend a pre-bid meeting with potential contractors, answer questions during bidding, attend the bid opening, and prepare an award recommendation for the Utility to use in the Utility's construction contract award process,
3. Prepare for and attend the preconstruction meeting to represent the project design engineer, and
4. Provide and release all necessary digital files for use by the Utility and/or their Contractor.

**Project Schedule**

The intent is to have the project ready for submittal to WDNR in late September 2022 with beginning construction anticipated in the Spring/Summer of 2023. We propose the following schedule anticipating the design contract is awarded January 18, 2022:

1. Diggers Hotline notified January 18, 2022, and Digger's Hotline clears February 1, 2022.
2. Topographic Survey Base Map complete March 18, 2022.
3. Geotechnical Investigation and Report complete March 25, 2022.
4. Wetland Delineation second week of April – depending on when the growing season begins.
5. Initial Layout complete April 22, 2022.
6. 60% Plans and Opinion of Costs complete and submitted to Utility June 3, 2022.
7. Utility coordination letters and exhibits sent to utilities June 10, 2022.
8. 90% Plans, Opinion of Costs, and Specifications complete and submitted to Utility August 19, 2022.
9. Final Plans, Specifications, and Opinion of Costs complete and submitted to Utility September 23, 2022 for submittal to WDNR CWFL.
10. Project Advertisement for Bids and Pre-Bid meeting February 2023\*.
11. Project Bid Opening March 2023\*.
12. Prepare Award Recommendation March/April 2023\*.

\*The project bidding will be contingent upon attaining the CWFL and the proposed dates are subject to change depending on when the loan is officially secured.



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### Professional Fees

The above services will be provided for on an hourly time-and-expense basis with a cost not to exceed **\$410,500.00**, broken down as follows:

A.	Initial Plan layout (including topographic survey and geotechnical investigation):	\$127,200.00
B.	60% Plans and Opinion of Costs (including wetland delineation):	\$97,800.00
C.	90% Plans, Specifications and Opinion of Costs:	\$92,100.00
D.	Final Plans, Specifications, Opinion of Costs, permitting, project bidding, and coordination:	\$93,400.00

Services will be billed each month based on the work completed. All usual and customary expenses such as mileage, printing, delivery, permit fees and postage are not included in the above fee and will be billed at cost as a reimbursable expense.

This proposal does not include any services beyond those described in the above scope of services. raSmith offers an array of supplemental services that are available at your request. Please refer to Attachment A for a complete list of our services.

### Client Responsibilities/Assumptions

- A. The hourly rates shown on the Professional Fees Rate Schedule are subject to change on an annual basis.
- B. The terms and conditions set forth herein are valid for 270 days from the date of this proposal and are conditioned upon our completion of all design services on or before October 1, 2022, with the acknowledgement that the project is anticipated to be bid in early 2023 with a preliminary construction date beginning in late spring/early summer of 2023.
- C. The Client shall provide any existing data relevant to the proposed project including, but not limited to electronic AutoCAD base files of Survey, any original Design or As-Built Plans, GIS electronic data, CCTV of the existing sanitary sewer, data supporting and related to the Technical Memorandum dated June 11, 2021 by Brown and Caldwell, entitled "Chicory Road Sewer Basin Evaluation". Verification of information provided by others is not a part of the Scope of Services; therefore, any problems arising out of the use of such information shall not be the responsibility of raSmith.
- D. After work has commenced, any revisions requested by the Client, or necessitated by conditions beyond our control, will be considered extra work requiring additional compensation.



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If you would like to authorize raSmith to proceed with your project, please sign the attached Professional Services Agreement and forward a signed copy of the entire Agreement to our office. Once received, we will execute and return a copy for your records. If there are any questions concerning the above, or the terms as presented, please contact me at (262) 317-3356 or [jason.feucht@rasmith.com](mailto:jason.feucht@rasmith.com).

Thank you again for your consideration of raSmith to work on your project.

Sincerely,  
raSmith

A handwritten signature in black ink, appearing to read 'Jason Feucht'.

Jason Feucht, P.E.  
Senior Project Manager

Enclosures: Professional Services Agreement - Contract  
Corporate Overview - Attachment A  
Rate Schedule - 2022

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PROFESSIONAL SERVICES AGREEMENT  
BETWEEN CLIENT AND PROFESSIONAL

THIS IS AN AGREEMENT effective as of \_\_\_\_\_ ("Effective Date") between \_\_\_\_\_ ("Client") and R.A. Smith, Inc. ("Professional").

Client's Project, of which Professional's services under this Agreement are a part, is generally identified as follows:

\_\_\_\_\_ ("Project").

Professional's services under this Agreement are generally identified as follows:

\_\_\_\_\_ ("Services").

Client and Professional further agree as follows:

1.01 *Basic Agreement and Period of Service*

- A. Professional shall provide or furnish the Services solely for the benefit of Client as set forth in this Agreement and in the attached proposal. If authorized by Client, or if required because of changes in the Project, Professional shall furnish services in addition to those set forth above ("Additional Services").

2.01 *Payment Procedures*

- A. *Invoices:* Professional shall prepare invoices in accordance with its standard invoicing practices and submit the invoices to Client on a monthly basis. Invoices are due and payable within 30 days of invoice date. If Client fails to make any payment due Professional for Services, Additional Services, and expenses within 30 days after receipt of Professional's invoice, then (1) the amounts due Professional will be increased at the rate of 1.0% per month (or the maximum rate of interest permitted by law, if less) from said thirtieth day, and (2) in addition Professional may, after giving seven days written notice to Client, suspend Services under this Agreement until Professional has been paid in full all amounts due for Services, Additional Services, expenses, and other related charges. Client waives any and all claims against Professional for any such suspension.
- B. *Payment:* As compensation for Professional providing or furnishing Services and Additional Services, Client shall pay Professional as set forth in this agreement. If Client disputes an invoice, either as to amount or entitlement, then Client shall promptly advise Professional in writing of the specific basis for doing so, may withhold only that portion so disputed, and must pay the undisputed portion.

2.02 *Basis of Payment*

- A. Client shall pay Professional for Services in the amount and manner provided in the attached proposal.
- B. *Additional Services:* Unless specified in the attached proposal, for Additional Services, Client shall pay Professional an amount equal to the cumulative hours charged in providing the Additional Services by each class of Professional's employees, times standard hourly rates for each applicable billing class; plus reimbursement of expenses incurred in connection with providing the Additional Services and Professional's consultants' charges, if any.

3.01 *Suspension and Termination*

- A. The obligation to continue performance under this Agreement may be suspended:
1. *By Client:* Client may suspend the Project for up to 90 days upon seven days written notice to Professional.
  2. *By Professional:* Professional may, after giving seven days written notice to Client, suspend services under this Agreement if Client has failed to pay Professional for invoiced services and expenses, as set forth in this Agreement.
- B. The obligation to continue performance under this Agreement may be terminated:
1. For cause,
    - a. By either party upon 14 days written notice in the event of substantial failure by the other party to perform in accordance with the Agreement's terms through no fault of the terminating party. Failure to pay Professional for its services is a substantial failure to perform and a basis for termination.
    - b. By Professional:
      - 1) upon seven days written notice if Client demands that Professional furnish or perform services contrary to Professional's responsibilities as a licensed professional; or
      - 2) upon seven days written notice if the Professional's Services are delayed for more than 90 days for reasons beyond Professional's control, or as the result of the presence at the Site of undisclosed Constituents of Concern.
    - c. By Client, for convenience, effective upon Professional's receipt of written notice from Client

- d. Professional shall have no liability to Client on account of a termination for cause by Professional.
  - e. Notwithstanding the foregoing, this Agreement will not terminate as a result of a substantial failure under this section if the party receiving such notice begins, within seven days of receipt of such notice, to correct its substantial failure to perform and proceeds diligently to cure such failure within no more than 30 days of receipt of notice; provided, however, that if and to the extent such substantial failure cannot be reasonably cured within such 30 day period, and if such party has diligently attempted to cure the same and thereafter continues diligently to cure the same, then the cure period provided for herein shall extend up to, but in no case more than, 60 days after the date of receipt of the notice.
- C. In the event of any termination under this section, Professional will be entitled to invoice Client and to receive full payment for all Services and Additional Services performed or furnished in accordance with this Agreement, plus reimbursement of expenses incurred through the effective date of termination in connection with providing the Services and Additional Services, and Professional's consultants' charges, if any.

#### 4.01 *Successors, Assigns, and Beneficiaries*

- A. Client and Professional are hereby bound and the successors, executors, administrators, and legal representatives of Client and Professional are hereby bound to the other party to this Agreement and to the successors, executors, administrators, and legal representatives (and said assigns) of such other party, in respect of all covenants, agreements, and obligations of this Agreement.
- B. Neither Client nor Professional may assign, sublet, or transfer any rights under or interest (including, but without limitation, money that is due or may become due) in this Agreement without the written consent of the other party, except to the extent that any assignment, subletting, or transfer is mandated by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement.
- C. Unless expressly provided otherwise, nothing in this Agreement shall be construed to create, impose, or give rise to any duty owed by Client or Professional to any Constructor, other third-party individual or entity, or to any surety for or employee of any of them. All duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of Client and Professional and not for the benefit of any other party.

#### 5.01 *General Considerations*

##### A. Standard of Care

The standard of care for all professional engineering and related services performed or furnished by Professional under this Agreement will be the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the same time and in the same locality. Professional makes no warranties, express or implied, under this Agreement or otherwise, in connection with any services performed or furnished by Professional. Subject to the foregoing standard of care, Professional and its consultants may use or rely upon design elements and information ordinarily or customarily furnished by others, including, but not limited to, specialty contractors, manufacturers, suppliers, and the publishers of technical standards.

##### B. Design Without Construction Phase Services

Professional shall not at any time supervise, direct, control, or have authority over any Constructor's work, nor shall Professional have authority over or be responsible for the means, methods, techniques, sequences, or procedures of construction selected or used by any Constructor, or the safety precautions and programs incident thereto, for security or safety at the Project site, nor for any failure of a Constructor to comply with laws and regulations applicable to such Constructor's furnishing and performing of its work. Professional shall not be responsible for the acts or omissions of any Constructor. Professional neither guarantees the performance of any Constructor nor assumes responsibility for any Constructor's failure to furnish and perform its work.

##### C. Opinions of Cost

Professional's opinions (if any) of probable construction cost are to be made on the basis of Professional's experience, qualifications, and general familiarity with the construction industry. However, because Professional has no control over the cost of labor, materials, equipment, or services furnished by others, or over contractors' methods of determining prices, or over competitive bidding or market conditions, Professional cannot and does not guarantee that proposals, bids, or actual construction cost will not vary from opinions of probable construction cost prepared by Professional. If Client requires greater assurance as to probable construction cost, then Client agrees to obtain an independent cost estimate. Professional shall not be responsible for any decision made regarding the construction contract requirements, or any application, interpretation, clarification, or modification of the construction contract documents other than those made by Professional or its consultants.

##### D. Use of Documents

All documents prepared or furnished by Professional are instruments of service, and Professional retains an ownership and property interest (including the copyright and the right of reuse) in such documents, whether or not the Project is completed. Client shall have a limited license to use the documents on the Project, extensions of the Project, and for related uses of the Client, subject to receipt by Professional of full payment due and owing for all Services and Additional Services relating to preparation of the documents and subject to the following limitations:

1. Client acknowledges that such documents are not intended or represented to be suitable for use on the Project unless completed by Professional, or for use or reuse by Client or others on extensions of the Project, on any other project, or for any other use or purpose, without written verification or adaptation by Professional;

2. Any such use or reuse, or any modification of the documents, without written verification, completion, or adaptation by Professional, as appropriate for the specific purpose intended, will be at Client's sole risk and without liability or legal exposure to Professional or to its officers, directors, members, partners, agents, employees, and consultants;
3. Client shall indemnify and hold harmless Professional and its officers, directors, members, partners, agents, employees, and consultants from all claims, damages, losses, and expenses, including attorneys' fees, arising out of or resulting from any use, reuse, or modification of the documents without written verification, completion, or adaptation by Professional; and
4. Such limited license to Client shall not create any rights in third parties.

E. Liability

To the fullest extent permitted by Laws and Regulations, and notwithstanding any other provision of this Agreement, the total liability, in the aggregate, of Professional and Professional's officers, directors, employees, and Consultants, to Client and anyone claiming by, through, or under Client for any and all injuries, claims, losses, expenses, costs, or damages whatsoever arising out of, resulting from, or in any way related to the Project, Professional's or its Consultants services or this Agreement from any cause or causes whatsoever, including but not limited to the negligence, professional errors or omissions, strict liability, breach of contract, indemnity obligations, or warranty express or implied of Professional or Professional's officers, directors, employees, or Consultants shall not exceed the total amount of \$100,000 or the total compensation received by Professional under this Agreement, whichever is less.

F. Indemnification

To the fullest extent permitted by Laws and Regulations, Client shall indemnify and hold harmless Professional and Professional's officers, directors, employees, and Consultants from and against any and all claims, costs, losses and damages (including but not limited to all fees and charges of Professionals, architects, attorneys, and other professionals, and all court, arbitration, or other dispute resolution costs) arising out of or relating to the Project, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death or to injury to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of the Client or Client's officers, directors, members, partners, agents, employees, consultants, or others retained by or under contract to the Client with respect to this Agreement or to the Project.

G. Dispute Resolution

Client and Professional agree to negotiate each dispute between them in good faith during the 30 days after written notice of dispute. If negotiations are unsuccessful in resolving the dispute, then the dispute shall be mediated. If mediation is unsuccessful, then the parties may exercise their rights at law. The venue for all disputes shall be the state of Wisconsin. Attorney fees will be borne by the non-prevailing party.

H. Governing Law

This Agreement is to be governed by the law of the state of Wisconsin.

6.01 *Agreement*

- A. This Agreement (including any expressly incorporated attachments), constitutes the entire agreement between Client and Professional and supersedes all prior written or oral understandings. This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument. Nothing in this Agreement between Professional and Client shall create a contractual relationship between either Professional and Client and an outside third party.

7.01 *Lien Notice*

- A. As required by the Wisconsin construction lien law, Professional hereby notifies Client that persons or companies performing, furnishing, or procuring labor, services, materials, plans, or specifications for the construction on Client's land may have lien rights on Client's land and buildings if not paid. Those entitled to lien rights, in addition to the undersigned Professional, are those who contract directly with the Client or those who give the Client notice within 60 days after they first perform, furnish, or procure labor, services, materials, plans or specifications for the construction. Accordingly, Client probably will receive notices from those who perform, furnish, or procure labor, services, materials, plans, or specifications for the construction, and should give a copy of each notice received to the mortgage lender, if any. Professional agrees to cooperate with the Client and the Client's lender, if any, to see that all potential lien Professionals are duly paid.



IN WITNESS WHEREOF, the parties hereto have executed this Agreement, the Effective Date of which is indicated on page 1.

Project Name: \_\_\_\_\_

Client: \_\_\_\_\_

Professional: \_\_\_\_\_

By: \_\_\_\_\_

By: \_\_\_\_\_

Print name: \_\_\_\_\_

Print name: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Date Signed: \_\_\_\_\_

Date Signed: \_\_\_\_\_

Address for Client's receipt of notices:

Address for Professional's receipt of notices:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

R.A. Smith, Inc.  
16745 West Bluemound Road  
Brookfield, WI 53005

Client's Phone: \_\_\_\_\_

Professional's Phone: \_\_\_\_\_

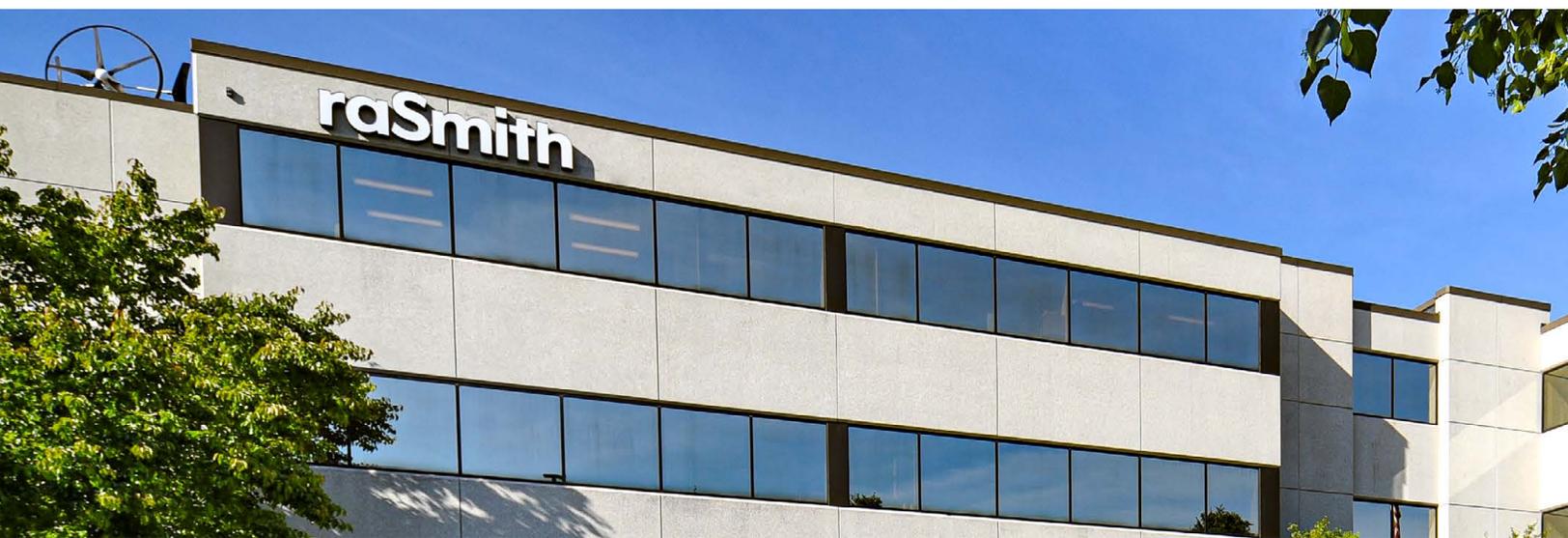
Client's Email: \_\_\_\_\_

Professional's Email: \_\_\_\_\_

## Corporate Overview

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raSmith is a multi-disciplinary consulting firm comprising civil engineers, structural engineers, traffic engineers, land surveyors, development managers, landscape architects and ecologists. Our services are focused on our public and private sector clients' needs in design and construction including land development, site planning and design, structural engineering, municipal engineering, transportation and traffic, surveying, construction services and geographic information systems (GIS). We work on projects nationwide from our seven locations. Richard A. Smith, M.S., P.E., chairman, founded raSmith in 1978. Richard A. Smith Jr., P.E., (Ricky) leads the firm as president. The firm currently employs a staff of 215.



### Our Services

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[Cold-Formed Steel Engineering](#)

[Construction Inspection/Management](#)

[Development Management](#)

[Ecological](#)

[GIS \(Geographic Information Systems\)](#)

[Grant Writing](#)

[Hydrographic Surveying](#)

[Land Development](#)

[Land Surveying](#)

[Landscape Architecture](#)

[LiDAR \(3D Laser Scanning\)](#)

[Municipal Engineering](#)

[Structural Engineering](#)

[Traffic Engineering](#)

[Transportation Engineering](#)

[UAS \(Unmanned Aircraft Systems\)](#)

[Water Resources](#)

### Locations

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#### Wisconsin:

Brookfield

Appleton

Cedarburg

Madison

Milwaukee

#### Illinois:

Naperville

#### California:

Irvine

**PROFESSIONAL FEES RATE SCHEDULE  
 GENERAL 2022 RATES**

<b><u>ENGINEERING SERVICES</u></b>	<b><u>2022 PER HOUR</u></b>
Senior Project Manager.....	\$179
Senior Project Engineer.....	\$163
Project Engineer.....	\$155
Civil Engineer.....	\$109 - \$146
Engineering Technician.....	\$ 79 - \$140
Ecologist.....	\$124 - \$150
<b><u>SURVEYING SERVICES</u></b>	
Senior Project Manager.....	\$161
2-Member Field Crew GPS/Robotics.....	\$218
GPS Equipment.....	\$ 29
Project Surveyor.....	\$124
Survey Technician.....	\$ 90 - \$121
<b><u>GIS &amp; VISUALIZATION SERVICES</u></b>	
GIS Project Manager.....	\$147 - \$166
GIS Technician.....	\$ 90 - \$130
<b><u>IT &amp; ADMINISTRATIVE SERVICES</u></b>	
Project Technician.....	\$ 89