

**CITY OF WEST ALLIS  
AMENDED WORK ORDER #4**

TO: RA SMITH, INC.  
DATE: SEPTEMBER 6<sup>TH</sup>, 2019  
PROJECT: PRIVATE PROPERTY WORK - WATER SERVICE REPLACEMENTS, SUMP PUMP INSTALLATIONS, SANITARY LATERAL REHABILITATIONS, AND STORM LATERAL EXTENSIONS  
SUBJECT: INSPECTION SERVICES

In accordance with Resolution No. 2013-0227 and Resolution No. 2019-0616 and the Agreement for Professional Services dated as of March 8, 2013 (the "Agreement"), you are directed to proceed with work on the Project as outlined below:

Work: As described in submitted proposal to City dated August 16<sup>th</sup>, 2019  
Estimate: \$ 327,750.00 (See attached Fee Schedule and Cost Breakdown)  
Schedule: Work to commence immediately. To be completed as part of the Basic Services under the Agreement.

This Work Order, including any attachments, is incorporated into the Agreement. All work defined in this Work Order and payment therefor shall be performed in accordance with the terms and conditions of the Agreement, unless otherwise modified herein. Any modification(s) of this Work Order is subject to approval and acceptance pursuant to the Agreement.

Issued:

CITY OF WEST ALLIS

By:

  
Peter C. Daniels, P.E.

Title: City Engineer

Date:

9/12/19

Received and Approved:

RA SMITH, INC.

By:

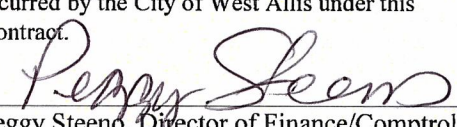


Title: Asst. Dir. of Municipal Services

Date: 9/9/2019

**COMPTROLLER'S CERTIFICATE**

Countersigned this 9<sup>th</sup> day of September, 2019 and I certify that the necessary funds have been provided to pay the liability that may be incurred by the City of West Allis under this Contract.

  
Peggy Steeno, Director of Finance/Comptroller

## Hourly Fee Schedule

The City of West Allis stated that the consultant should assume, for the purpose of this proposal, that there will be 216 days of work, with 3,456 man hours required by the inspector to accomplish this work.

raSmith proposes to provide professional services at the fixed hourly rates shown in the following table. These rates will be applied to all project-related time, regardless of the specific time of day or day of the week the project effort is conducted. We agree that rates beyond 2019 may be negotiated if desired by the City. All work on this project will be performed by raSmith staff, with no subconsultants.

raSmith Team Member		Hourly Billing Rate 2019	Hourly Billing Rate 2020
Project Manager	Pat Zimmer, P.E.	\$160	\$165
Program Consultant	Chris Stamborski, P.E.	\$163	\$167
Lead Field Representative	Chuck Pape, P.E.	\$90	\$93
Inspector	Dennis Anderson	\$85	\$88

For the purposes of this proposal, both Pat and Chris would have very limited time and effort for the delivery of this project unless directed differently by the City. With that, assume that the rates for Chuck and Dennis will be the rates utilized throughout this project.

## Cost Breakdown (per 8/26/2019 City request email)

The City requested additional clarification on the following issues in an email correspondence dated 8/26/2019. Please consider the following:

### Hourly Breakdown of Costs Based on 216 days of work, or 3,456 man hours

- Project Administration/Management—Pat Zimmer/Chris Stamborski (~ 2 hours per week)
  - (~2.5%) - 86 hours \* \$165/hour = \$14,190.00
- Lead Field Representative—Chuck Pape (~ 11 hours per day, entire span of project)
  - (~70%) - 2,400 hours \* \$93/hour = \$223,200.00
- Secondary Field Representative—Dennis Anderson (~ 50 hours per week, 19-20 weeks of project)
  - (~27.5%) - 970 hours \* \$88/hour = \$85,360.00
- Totals—3,456 hours—\$322,750.00
  - Average Hourly Cost of \$93.39/hour

### Not to Exceed Estimate

Our past experience with PPII projects has resulted in construction inspection costs around 10% of project construction cost when we have managed singular PPII improvements (i.e. sewer or water lateral replacements). This level of effort is mainly due to the coordination efforts related to managing individual property issues and concerns in concert with maintain contractor and City concerns as well. However, this project could include up to three separate projects per property (i.e. sewer lateral, sump pump retrofit, and lead service lateral replacement), and includes additional administrative functions that will require additional time and management considerations. With that, a 20% construction-related services cost compared to overall construction cost is probably more representative when predicting cost, assuming some economy of scale due to project overlap. With that, consider the following:

- City of West Allis Provided Construction Cost Estimate—\$829,000
  - Add a 15% construction cost contingency—\$953,350
  - 20% of the above = \$190,670—Estimated Cost of Construction Related Services
    - \$190,670 / \$93.39/hour = ~ 2,040 hours

The above translates to the following:

- Project Administration/Management—Pat Zimmer/Chris Stamborski (~ 2 hours per week)
  - (~3%) - 60 hours \* \$165/hour = \$9,990.00
- Lead Field Representative—Chuck Pape (~ 7 hours per day, entire span of project)
  - (~70%) - 1,430 hours \* \$93/hour = \$132,990.00
- Secondary Field Representative—Dennis Anderson (~ 50 hours per week, 11 weeks of project)
  - (~27%) - 550 hours \* \$88/hour = \$48,400.00
- Totals—2,040 hours—\$191,380.00

The above may be a bit conservative yet, but is probably more realistic than assuming full time inspection is needed from October 2019 through mid-August 2020. An average of 7 hours per day will allow Chuck to work the 10 plus hours days needed during the peak of activity, and less when not necessary. \$191,380 would be our not-to-exceed cost for this project based on the information provided.

### Expenses

Our only anticipated expense will be mileage. The eastern side of the City is approximately 10 miles from our Brookfield office. Assuming a round trip, and potentially 10 additional miles per day, we can assume 30 miles per day for the life of the project. There will be days when two separate trips are generated by our inspectors as well. Assuming this over the potential life of the project, our overall expenses should not exceed \$5,000.