

Resolution 16-113

**RESOLUTION OF THE ROCKAWAY VALLEY REGIONAL SEWERAGE AUTHORITY AUTHORIZING AN INCREASE IN THE PROFESSIONAL ENGINEERING SERVICE CONTRACT TO PROVIDE ENGINEERING SUPPORT SERVICES RELEVANT TO EMERGENCY REPAIR OF 54-INCH GRAVITY SEWER MAIN IN BOONTON**

**WHEREAS**, a need continues to exist for the procurement of professional engineering services in order to provide engineering support services relevant to the emergency repair of the 54-inch gravity sewer main owned by the Rockaway Valley Regional Sewerage Authority (“RVRSA”) and located off West Main Street in the Town of Boonton; and

**WHEREAS**, a proposal dated July 29, 2016, for professional engineering services from Timothy D. Bradley, P.E., Kleinfelder LLC, having an office at 321 Wall Street, Princeton, New Jersey (“Kleinfelder”), for the performance of engineering support services, in the amount of \$48,190.00 was approved by the RVRSA by Resolution 16-082 adopted on August 11, 2016; and

**WHEREAS**, a proposal dated September 1, 2016, for professional engineering services from Timothy D. Bradley, P.E., Kleinfelder LLC, having an office at 321 Wall Street, Princeton, New Jersey (“Kleinfelder”), for the performance of engineering support services, in the amount of \$36,550.00 was approved by the RVRSA by Resolution 16-087 adopted on September 8, 2016; and

**WHEREAS**, for the reasons set forth in the attached proposal dated October 26, 2016, attached hereto and made a part hereof, the RVRSA desires to authorize Kleinfelder to undertake additional engineering support services relevant to the emergency repair of RVRSA’s 54-inch gravity sewer main, and to increase the amount of the contract by an additional amount of \$39,710 for a new total contract amount not to exceed \$124,450.00 without prior authorization, and calculated on a time charged plus expense basis; and

**WHEREAS**, the Local Public Contracts Law (N.J.S.A. 40:11-1 et seq.) authorizes contracts for the provision of “Professional Services,” which may be awarded without public advertising and competitive bidding, provided a brief notice of the nature, duration, service and amount of contract is published, and that the Resolution and contract are kept on file and available for public inspection.

**WHEREAS**, funds are available for these purposes at line item 01-857-001; and

**NOW, THEREFORE, BE IT RESOLVED** the Rockaway Valley Regional Sewerage Authority as follows:

1. The Rockaway Valley Regional Sewerage Authority recognizes that Kleinfelder has an established reputation in the field of engineering matters related to the services set forth in the letter proposal attached hereto as Schedule A, from Timothy D. Bradley, P.E., Kleinfelder to JoAnn Mondsini, Executive Director, RVRSA dated October 26, 2016, and recognizes that they possess specialized abilities and resources to provide the expert engineering services necessary to meet the Authority's needs.
2. The Executive Director of the Rockaway Valley Regional Sewerage Authority is hereby authorized and directed to expand the scope of the contract for professional services between the Rockaway Valley Regional Sewerage Authority and the firm of Kleinfelder, as authorized by RVRSA Resolution #16-082 and Resolution #16-087, for professional engineering support services relevant to the emergency repair of the RVRSA's 54-inch gravity sewer main located off West Main Street in the Town of Boonton, and increase the amount of the contract from \$84,740.00 by an additional of \$39,710, for a new total contract cost not to exceed \$124,450.00 without further authorization, to be calculated on a time charged plus expense basis, in accordance with the letter proposal dated October 26, 2016, attached hereto at Schedule A, and conditioned upon the submission by Kleinfelder of its New Jersey Business Registration Certificate and Business Entity Disclosure Certification.
3. This contract is awarded without competitive bidding as a "Professional Service" under the provisions of the Local Public Contracts Law, N.J.S.A. 40A:11-5.
4. A notice of contract award shall be published in the official newspaper, a brief notice stating the nature, duration, service and amount of the contract, and that the Resolution and contract are on file and available for public inspection at the Authority and the clerk's office of the municipalities creating the Authority.
5. This Resolution shall take effect as provided by law.

## CERTIFICATION

I do hereby certify that this Resolution was adopted at a regular meeting of the Rockaway Valley Regional Sewerage Authority held on November 10, 2016

on motion of: Hector Schorno

second by: John Cegelka

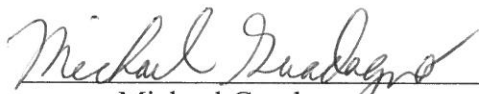
ROLL CALL VOTE:

YEAS: (7) Andes, Cegelka, Guadagno, Lowell, Recchia, Rossi, Schorno

NAYS: (0) None

ABSTAIN: (0) None

ABSENT: (3) Corbett, Secco and Vincitore

  
\_\_\_\_\_  
Michael Guadagno  
Board Secretary



October 26, 2016

VIA EMAIL

JoAnn Mondsini  
Executive Director  
Rockaway Valley Regional Sewerage Authority  
RD #1, 99 Green Bank Road  
Boonton, NJ 07005

**RE: EMERGENCY INTERCEPTOR REPAIR  
AMENDMENT NO. 2 FOR ADDITIONAL ENGINEERING SUPPORT SERVICES**

Dear Ms. Mondsini:

As discussed with Carrie Feuer, the purpose of this letter is to request a second amendment to our authorized budget for emergency interceptor repair engineering support services due to the additional time and effort required to complete this challenging repair. Background information is presented below followed by our request for additional funding.

**BACKGROUND**

Our original budget, which is presented in the table below, was developed within 10 days following formation of the sinkhole on July 24, 2016, which was the first indication of a pipe collapse.

**Original Budget**

<b>Task</b>	<b>Description</b>	<b>Cost</b>
1	Initial Contractor Coordination and Oversight	\$10,980
2	Evaluate Repair Options and Design Recommended Option	\$7,650
3	Emergency Loan Support	\$4,220
4	RPR and Construction Administration Services	\$25,340
	<b>Total</b>	<b>\$48,190</b>

Our original budget for Task 4 was based on the following assumptions believed to be appropriate at that time: (1) during the week of August, 1, 2016, the full scale temporary bypass pumping system is installed, tested and placed into operation; (2) during the week of August 8, 2016, the full-scale temporary bypass system remains in operation, the damaged pipe section is inspected, options to repair the pipe are evaluated, the consensus repair method is selected, and arrangements to implement the permanent interceptor repair are initiated; and (3) after the materials required to repair the interceptor are procured, a one week period will be required to monitor the interceptor repair and site restoration (it was anticipated that the interceptor could be repaired by lining without replacing the existing reinforced concrete pipe). These assumptions resulted in the need for full-time (i.e. 8 hours per day, 40 hours per week) construction monitoring for a total of three (3) weeks.

However, after the area of the collapsed pipeline was excavated and the pipeline exposed, an additional section of the pipe subsequently collapsed, resulting in the need for further excavation and the inability to inspect the pipeline and to develop consensus on the repair method and the extent of repair required until late in the week of August 15, 2016.

As a result of the significant change in the method and extent of repair required, the time anticipated to be needed to complete the repair also increased significantly, which resulted in the need for additional RPR and construction administration services. Based on the need for these additional services, on September 1, 2016, Kleinfelder submitted an amendment request to increase the funding for Task 4, RPR and Construction Administration Services, in the amount presented in the table below.

#### **Amendment No. 1 Additional Funding Request**

<b>Task</b>	<b>Description</b>	<b>Additional Funding</b>
1	No additional funding requested	\$0
2	No additional funding requested	\$0
3	No additional funding requested	\$0
4	Five (5) weeks of RPR and Construction Administration Services	\$36,550
	<b>Total</b>	<b>\$36,550</b>

The estimated five (5) additional weeks of full time (40 hour/week) RPR and Construction Administration Services was based on the assumption that ongoing construction activities related to installation of reinforced concrete pipe, backfilling, and reinstatement of the Town of Boonton water lines would continue through September 16, 2016, and that an additional week of RPR and construction administration services would be required at a future date for installation of the liner, removal of the temporary bypass pumping system and final site clean-up and demobilization. The total cost for five (5) weeks (40 hours per week) of additional Task 5 services was estimated to be \$36,550.

#### **AMENDMENT NO. 2**

Due to additional challenges as the repair progressed, additional time has been required to complete the repair, resulting in the need for additional RPR and construction administration services. Specifically, the work described in the preceding paragraph (i.e., installation of the reinforced concrete pipe, backfilling, and reinstatement of the Town of Boonton water mains and appurtenances) that was anticipated to be completed by September 16, 2016 was not completed until September 27, 2016. In addition, work has continued through October 21, 2016 on activities such as testing of the Town of Boonton water lines, core drilling of the siphon inlet chamber, fabrication of new bypass piping assemblies, extension of the bypass piping to the siphon inlet chamber, repair and reinstatement of manhole B-11 and B-12, installation of additional temporary fencing, pre-lining cleaning and video inspection by En Tech, coordination with En Tech and review of payment request from Tomar. In addition, prior to RVRSA's selection of En Tech for the lining work, Kleinfelder performed a detailed evaluation of liner material options and obtained and evaluated proposals from multiple contractors for the lining work.

As a result of these additional RPR and Construction Administration services, \$24,880 in additional Task 4 costs were incurred during the five (5) week period between September 19,

2016 and October 22, 2016. It is noted that the cost per week during this period was relatively low because full time (40 hour per week) RPR and construction administration services were not required.

Regarding additional effort still required, the liner installation will occur during the week of October 24, 2016, followed by final clean-up, demobilization, etc. In addition, Kleinfelder will need to review final contractor payment requests and prepare a significant amount of project documentation for record purposes. As a result, it is estimated that two (2) additional weeks (40 hours per week) of RPR and Construction Administration services will be required to complete this assignment at a cost of \$14,830. The resulting total increase in RPR and Construction Administration cost (i.e. for the 5 week period from 9/16/16 to 10/22/16 plus the 2 week period from 10/24/16 to 11/4/16) is \$39,710.

The table below presents a summary of the additional funding requested in Amendment No. 2.

**Amendment No. 2 Additional Funding Request**

<b>Task</b>	<b>Description</b>	<b>Additional Funding</b>
1	No additional funding requested	\$0
2	No additional funding requested	\$0
3	No additional funding requested	\$0
4	Seven (7) weeks of RPR and Construction Administration Services	\$39,710
	<b>Total</b>	<b>\$39,710</b>

Based on the additional costs summarized in the above table, we request that our currently authorized budget of \$84,740 be increased by \$39,710 to \$124,450.

The amended budget of \$124,450 will not be exceeded without a change in scope and RVRSA's prior approval.

If you have any questions, please contact me at 609-454-4555, or by email at TBradley@Klienfelder.com.

Sincerely,



Timothy D. Bradley, P.E.  
Vice President

cc: C. Feuer  
M. Bean