

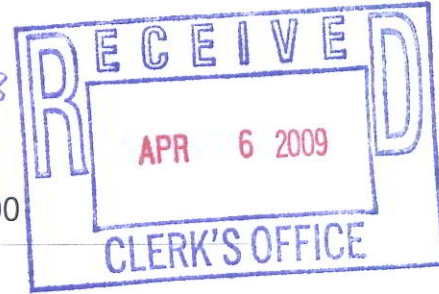
Clerk's Contract and Agreement Cover Page

Year: 2009

Legistar File ID#: 2009-0128

Multi Year:

Amount \$0.00



Contract Type:

Professional Services

Contractor's Name:

Greeley and Hansen LLC

Contractor's AKA:

Execution Date:

3/20/2009

Termination Date:

12/31/2009

Renewal Date:

Department:

Finance

Originating Person:

Denise Domalewski

Contract Description: Professional Engineering Services General Contract
* 3/10/09 Engine-Generator Replacement Add \$10,000 *

MAYOR
Daniel J. McLaughlin

VILLAGE CLERK
David P. Maher

14700 S. Ravinia Ave.
Orland Park, IL 60462
(708) 403-6100



VILLAGE HALL

TRUSTEES
Bernard A. Murphy
Kathleen M. Fenton
Brad S. O'Halloran
James V. Dodge
Edward G. Schussler III
Patricia Gira

April 6, 2009

Mr. Kenneth Johnson
Greeley and Hansen LLC
100 S. Wacker Drive, Suite 1400
Chicago, Illinois 60606

RE: *NOTICE TO PROCEED*
Professional Engineering Services General Contract 2009;
Engine-Generator Replacement Addendum

Dear Mr. Johnson:

This notification is to inform you that the Village of Orland Park has received all necessary contracts, certifications and insurance documents for the above stated contract. When work is needed throughout the year, we will require a fully executed proposal in writing which will be attached to this contract as an addendum.

Each addendum to this general contract will have a separate Purchase Order assigned when required and it will be faxed to your company. It is imperative that this number on the Purchase Order be noted on all invoices, correspondence, etc. All invoices should be sent directly to the Accounts Payable Department at 14700 S. Ravinia Ave. Orland Park, IL 60462. Also, your final invoice for this contract/service should state that it is the final invoice pertaining to that Purchase Order.

For your records, I have enclosed one (1) original executed general contract dated March 20, 2009 for Professional Engineering Services 2009. I've also enclosed one original signed proposal dated March 10, 2009 for the Replacement of the Engine-Generator at the Main Pump Station for Ten Thousand and No/100 (\$10,000.00) Dollars. Please attach this proposal to the general contract. If you have any questions, please call me at 708-403-6173.

Sincerely,

Denise Domalewski
Contract Administrator

cc: Pete Casey
John Ingram
Judy Konow



March 10, 2009

Mr. Pete Casey
Director
Department of Public Works
15655 Ravinia Avenue
Orland Park, IL 60462

Subject: Replacement of the Engine-Generator in the Main Pump Station
Proposal for Professional Engineering Services

Dear Mr. Casey,

We are pleased to have this opportunity to offer this proposal for determining the scope of engineering services to be provided for replacement of the 550 KW generator located at the Main Pump Station.

At our meeting on March 3, 2009, the Village indicated that they would like to move forward with the replacement of the existing Waukesha 550KW engine-generator set with a new diesel engine driven generator set capable of running two 300 HP pumps. Preliminary assessment indicates that the generator capacity needs to be at least 600KW. Generator capacity determination will include an assessment of station loads required to be operated on standby power in addition to the pumps themselves.

As discussed at the meeting, a number of elements need to be considered to determine the actual elements to be included in the construction project:

1. **Generator Set Capacity Determination** – Determine the needed size of the engine-generator set to allow for starting and running two 300 HP pumps and ancillary station loads.
2. **Structural Review** – Assess whether the new engine-generator set may be adequately supported by the engine room floor slab.
3. **Fuel Storage** – The Village indicated that 24 hours of generator run time would be adequate, as refueling is available from a 24 hr/day, 7 day/week service provider. The fuel storage is to be located in the base of the engine generator set. The tank is to be provided with integral leak containment and alarm.
4. **Electrical Arrangements** - Conduit and cable sizing is to be checked for the larger capacity generator. The existing generator is equipped with breakers located in both the generator and electrical rooms. Breaker capacities need to be assessed.
5. **Instrumentation and Controls** – We understand that the Village desires that the engine-generator be arranged for automatic exercising. We need to know whether it is desired to exercise the generator under load or without load. In the event of power loss, the generator is to be arranged to automatically come on line and run one large pump, one large and one small pump, or two large pumps depending upon system demand. Upon restoration of utility power, the station will manually be placed back on utility service and the generator taken off-line.
6. **Engine Cooling System** – The existing arrangement whereby water from the station discharge header is used to cool the generator (via an on-board heat exchanger) will be assessed to

determine whether or not the existing system capacity is adequate to cool the engine. Upsizing of the water supply line is an alternative if the cooling water demand so warrants.

- 7. **Engine Room Ventilation** – The ventilation of arrangement of the existing generator room will be checked for adequacy and compliance with current code. The present louver arrangement and exhaust fans will be checked for adequacy.
- 8. **Engine Exhaust Arrangements** – The existing silencer and exhaust pipe will requirement replacement. Size of the exhaust piping will be checked vs. size required and upsizing requirements, if any, determined.
- 9. **Code Review** - Applicable building codes will be reviewed to identify additional code requirements that may need to be met to provide a facility in accordance with current day requirements.

The results of this study will be summarized in a letter style report provided to the Village. It will form the basis of design for the needed improvements should the Village decide to proceed.

We are prepared to perform this assessment for the Village for the lump sum amount of \$10,000. We anticipate the services will be completed within two to three weeks of receipt of your authorization to proceed, depending upon the availability of the engine-generator set vendors.

Please sign both copies of this letter and return one to us if you desire for us to proceed.

Thank you for the opportunity to offer this proposal.

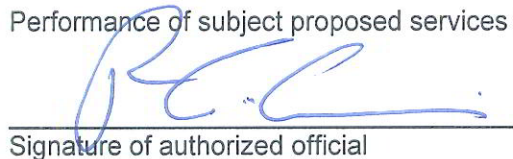
Yours very truly,

GREELEY AND HANSEN LLC



Kenneth V. Johnson, P.E.
Principal

Performance of subject proposed services is hereby authorized by the Village of Orland Park:


Signature of authorized official

Paul G. Grimes Village Manager
Printed name and title of authorizing official

Date: 4/3/09