

DISTRICTS - ALL

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda

 X Resolution or Ordinance (Blue) _____ Waiver of First Requested
____ Recommendations of Boards, Commissions & Committees (Green)
____ Other Business (Pink)

TO: PRESIDENT AND BOARD OF TRUSTEES

FROM: David Hulseberg, Village Manager

DATE: March 23, 2012 (COW) (B of T) **Date:** April 5, 2012

TITLE: Water System Network Analysis
Design Engineering

SUBMITTED BY: David A. Dratnol, P.E., Village Engineer *Dratnol*

BACKGROUND/POLICY IMPLICATIONS:


The modeling and analysis of the existing water distribution system to identify its capabilities, deficiencies, and future growth needs was last performed in 2001. Alfred Benesch & Company has been determined to be the most qualified firm to perform an updated hydraulic study in the amount of \$61,257.20.

FISCAL IMPACT/FUNDING SOURCE:

Total Contract Amount: \$61,257.20 W/SCapRsv (\$61,257.20)
HTE Project Number: 1216
Account: 7901.809500
PW Project Number: WA-12-01

Review (as necessary):
Village Attorney X _____ Date _____
Finance Director X _____ Date _____
Village Manager X _____ Date _____

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda Distribution.

To: David Hulseberg, Village Manager
Through: Carl Goldsmith, Director of Public Works
From: David A. Dratnol, P.E., Village Engineer 
Date: March 22, 2012
Subject: Water System Network Analysis
Design Engineering

Attached please find a contract, resolution and fee schedule for design engineering services for the Water System Network Analysis.

The purpose of the project is to investigate water usage and analyze the distribution system network. An analysis of the existing water system will identify areas of reduced fire flow, undersized/failing watermain, storage deficiencies and capability of meeting the needs of future growth and development. Staff would like to utilize the Analysis to assist with determining the needed capacity for the Eisenhower Lane Water Reservoir in advance of moving forward on engineering, as well as planning the next ten-year capital improvement program.

The engineering firm for this project was selected from the Hydraulics and Hydrology (H&H) Engineering Short List, which was recently developed by determining the top five (5) qualified firms from fourteen (14) firms that responded to a January 13, 2012 Request for Proposal. Of the top five (5) respondents, Alfred Benesch & Company was selected as the most qualified to perform the required analysis.

Staff from the Alfred Benesch & Company has worked for the Village on a similar analysis. This was beneficial to the Village when negotiating the scope of work and related fees. Their familiarity with our water distribution system will minimize their time for edification of the system's characteristics and general modeling requirements. The scope and fee were negotiated with Alfred Benesch & Company and agreed to by both parties. The not-to-exceed fee for design engineering services is \$61,257.20.

Please present this agreement and resolution to the President and Board of Trustees for their review at their regular meeting of April 5, 2012. If approved, please return one original signed copy to Public Works-Engineering for further processing.

DAD/fsk

cc: File: WA-12-01

RESOLUTION

R _____

A RESOLUTION AUTHORIZING AN AGREEMENT FOR WATER SYSTEM NETWORK ANALYSIS

WHEREAS, the Corporate Authorities of the Village of Lombard have received a proposed Agreement between the Village of Lombard and Alfred Benesch & Company, regarding the Water System Network Analysis project as attached hereto, marked Exhibit "A" and made part hereof (the "Agreement"); and

WHEREAS, the Corporate Authorities deem it to be in the best interests of the Village of Lombard to approve said Agreement;

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF LOMBARD, DU PAGE COUNTY, ILLINOIS as follows:

SECTION 1: That the Agreement attached hereto as Exhibit "A" is hereby approved.

SECTION 2: That the Village President and the Village Clerk be and hereby are authorized and directed to execute the Agreement attached hereto as Exhibit "A", as well as any and all other documents necessary to carry out the provisions of said Agreement.

Adopted this 5th day of April, 2012 , pursuant to a roll call vote as follows:

Ayes: _____

Nays: _____

Absent: _____

Approved by me this 5th day of April, 2012 .

William J. Mueller
Village President

ATTEST:

Brigitte O'Brien
Village Clerk

**VILLAGE OF LOMBARD
CONTRACT**

CONTRACT DOCUMENT NUMBER WA-12-01

This agreement is made this 5th day of April, 2012, between and shall be binding upon the VILLAGE of Lombard, an Illinois municipal Corporation hereinafter referred to as the "VILLAGE" and Alfred Benesch & Company hereinafter referred to as the "ENGINEER" and its successors.

Witnessed, that in consideration of the mutual promises of the parties delineated in the contract documents, the ENGINEER agrees to perform the services and the VILLAGE agrees to pay for the following services as set forth in the contract documents:

The scope of services shall include the provision of all required labor, materials, and equipment related to the computer modeling analysis of the water system, recommendations and, preparation and presentation of the report. The ENGINEER will perform or be responsible for the performance of all services in connection with this project.

1. This contract shall embrace and include all of the applicable contract documents listed below as if attached hereto or repeated herein:
 - a. Water System Network Analysis Request for Proposal consisting of the following:
 - i) Cover Sheet
 - ii) Table of Contents
 - iii) General Provisions
 - iv) Special Provisions
 - b. VILLAGE'S Request for Qualifications for Short-List for Engineering Services Dated January 13, 2012
 - c. ENGINEER'S Statement of Qualifications Dated February 3, 2012
 - d. ENGINEER'S Proposal Dated February 3, 2012
 - e. ENGINEER'S Work Effort and Fee submittal Dated March 1, 2012
 - f. Minutes of Scope & Fee Negotiation Meeting and associated revised Scope of Work, Work Effort and Fee Dated March 13, 2012
 - g. Required Certificates and Signatures and Certificate of Insurance

2. The VILLAGE agrees to pay, and the ENGINEER agrees to accept as full payment for the services which are the subject matter of this contract in accordance with the General Provisions.
3. This Contract represents the entire agreement between the parties and may not be modified without the written approval of both parties.

IN WITNESS WHEREOF, the Village of Lombard, Illinois by William J. Mueller, Village President, and the ENGINEER have hereunto set their hands this 5th day of April 2012.

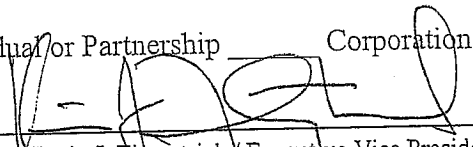
If an individual or partnership, all individual names of each partner shall be signed or if a corporation, an officer duly authorized shall sign here:

Alfred Benesch & Company

 Print Company Name


Accepted this 5th day of April, 2012.

Individual or Partnership _____ Corporation X



 Kevin J. Fitzpatrick / Executive Vice President

Position/Title

By 

 Michael N. Goodkind / Secretary

Position/Title

THE VILLAGE OF LOMBARD, ILLINOIS

Accepted this 5th day of April, 2012.

 William J. Mueller, Village President

Attest:

 Brigitte O'Brien, Village Clerk

VILLAGE OF LOMBARD
ENGINEER'S CERTIFICATION

Kevin J. Fitzpatrick, having been first duly sworn depose and states as follows:
(Officer or Owner of Company)

Alfred Benesch & Company, having submitted a proposal for:
(Name of Company)

Water System Network Analysis to the Village of Lombard, hereby certifies that said ENGINEER:

1. has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105(A) (4).
2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:
 - a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the approve Revenue Act; or
 - b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.
3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382 and that all employee CMV/CDL drivers
(Name of employee/driver or "all employee drivers")
is/are currently participating in a drug and alcohol testing program pursuant to the aforementioned rules.

By: [Signature]
Officer or Owner of Company named above

Subscribed and sworn to
before me this 5th
day of April, 2012.

[Signature]
Notary Public



Village of Lombard
Water System Network Analysis
Work Effort
March 13, 2012



Personnel & Hours									
Project Manager	Sr. Project Engineer	Designer	Field Crews	Admin	Cad	Hours	Hours	Hours	Cost
Laura McGovern	Veronica Hall	Ashley Fowler	Kevin Doyle						
\$70.00	\$48.00	\$30.00	\$30.00	\$20.00	\$30.00				
4	4	4	24			8	1.5%		\$472.00
	4	4	8			28	5.2%		\$912.00
	4	8	24			12	2.2%		\$432.00
	2	24				26	4.9%		\$816.00
	16	80				0	0.0%		\$0.00
	8	16				24	4.5%		\$1,328.00
	8	16	48			88	16.5%		\$2,784.00
	8	16				72	13.5%		\$2,480.00
	8	16				32	6.0%		\$1,424.00
	4	8				0	0.0%		\$0.00
	4	8				12	2.2%		\$432.00
	4	16				20	3.7%		\$672.00
	4	4				8	1.5%		\$312.00
	4	16				20	3.7%		\$672.00
	8	16				8	1.5%		\$384.00
	40	8		24	24	88	16.5%		\$3,120.00
	8	8				8	1.5%		\$240.00
	8	8				8	1.5%		\$560.00
	8	8				16	3.0%		\$624.00
	20	8				8	1.5%		\$384.00
	8	8				8	1.5%		\$384.00
	20	20				40	7.5%		\$2,360.00
	56	228	48	24	24	534	100.0%		\$20,792.00
10.5%	28.8%	42.7%	9.0%	4.5%	4.5%				\$59,257.20
2.85									\$61,257.20

Vehicle: IRS rate = \$0.50/mile or \$46 per day or actual rental cost
 Equipment: Pitot gauge rental and other support materials \$500.00
 (hydrant diffuser, gauges, etc.) \$2,000.00
TOTAL OF DIRECT COSTS \$2,000.00

Expense Breakdown
 Vehicles/expenses \$500.00
 Equipment \$1,000.00
 Printing \$500.00
TOTAL OF DIRECT COSTS \$2,000.00

Overhead = 166.43% IDOT approved 11/30/2011
 Direct Labor = 1
 Profits @ 7% 0.19
 Multiplier 2.85

