

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: July 19, 2012 (COW) (B of T) **Date:** August 23, 2012

TITLE: Illinois Route 53 Storm Water Pump Station
Preliminary Design Engineering
Contract Amendment #2

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

BACKGROUND/POLICY IMPLICATIONS:

The contract amendment is for modeling the existing and proposed conditions for the Illinois Route 53 Storm Water Pump Station.

FISCAL IMPACT/FUNDING SOURCE:

Contract Amendment: \$6,995.00
Revised Total Contract Amount: Not-To-Exceed \$105,597.00
WSCapRsveFd: \$6,995.00
Account#: 7901.809500
HTE Project Number: 1026
PW Project Number: SS-10-01

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 S. Goldsmith, Director of Public Works
 From: David A. Dratnol, P.E., Village Engineer
 Date: July 19, 2012
 Subject: Illinois Route 53 Storm Water Pump Station
 Preliminary Design Engineering Contract (Amendment #2)

Attached please find a resolution for a contract amendment. The contract amendment is in the amount of \$6,995.00 and is for additional engineering services related to preliminary design of the Illinois Route 53 Storm Water Pump Station. Also included is a sheet identifying each task, the individual performing the item of work and the associated fee.

The original scope for the project was based upon renovating the existing Route 53 Storm Water Pump Station, which included all preliminary engineering and preparing a Preliminary Design Report (PDR).

As the preliminary engineering progressed, it became evident that the existing pump station's capacity was woefully insufficient to handle incoming storm water flows. It was clear that the operating parameters of the future pump station needed to change considerably from the anticipated retrofit station design. Additional evaluations were done to determine how to reduce upstream flooding.

The estimated quantity of tributary storm water significantly exceeded the existing pump station capacity. Storm water calculations indicated that an increase in pump station capacity from 50 cubic feet per second (cfs) to 170 cfs (a ~300% increase) was possible. This additional amount of storm water being pumped into the east branch of the Dupage River needed to be agreed to by DuPage County. It was represented to the County that the project was not only the replacement of a pump station but also a storm water relief project.

To identify the most effective solutions, additional site analysis was undertaken. This work was not included in the original scope of services. Additional items of work included:

- Evaluating two (2) new pump station sites
- Calculating pump station hydraulics and the selection of new pumps
- Developing new site layouts
- Re-evaluation of grit removal options and electrical requirements
- Additional project discussions and a project meeting
- Formulating new cost estimates

The scope and fee were negotiated with Baxter & Woodman and agreed to by both parties. This work was performed for a fee of +\$6,995.00, this results in a revised not to exceed fee of \$105,597.00 (\$78,795.00 +\$19,807.00+\$6,995.00). The engineering costs will be paid for using the Water and Sewer Capital Reserve Fund.

Please present this agreement and resolution to the President and Board of Trustees for their review at their regular meeting of August 23, 2012.

DAD/rgs

RESOLUTION
R _____

A RESOLUTION AUTHORIZING AN AMENDMENT TO A PROFESSIONAL SERVICES CONTRACT INVOLVING AN INCREASE/DECREASE IN THE DOLLAR AMOUNT OF THE CONTRACT OF \$10,000 OR MORE AND/OR EXTENDING/SHORTENING THE TIME IN WHICH THE CONTRACT IS TO BE COMPLETED BY THIRTY (30) DAYS OR MORE

WHEREAS, pursuant to Illinois Compiled Statutes, Chapter 720, Section 5/33E-9, units of local government are required to make specific findings prior to authorizing any amendment relative to a contract which would increase or decrease the dollar amount of the contract by \$10,000 or more, or would extend or shorten the time in which the contract is to be completed by thirty (30) days or more; and

WHEREAS, staff has presented and recommended the proposed amendment to the contract between the Village of Lombard and Baxter & Woodman regarding the Route 53 Stormwater Pumping Station project, as attached hereto as Exhibit "A" and made part hereof, (the "Amendment") to the Corporate Authorities of the Village of Lombard; and

WHEREAS, said Amendment attached hereto as Exhibit "A" would increase the dollar amount of the contract by \$6,995.00, when combined with a previous amendment (approved September 16, 2010 in the amount of \$19,807.00) would increase the total dollar amount of the contract to \$105,597.00

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 after reviewing the explanation of staff as to the necessity of and reasons for the Amendment attached hereto as Exhibit "A", the President and Board of Trustees find as follows:

- A That the circumstances which necessitated said Amendment were not reasonably foreseeable at the time the contract was entered into.
- B. That the basis of the Amendment was not within the contemplation of the contract when the contract was signed.
- C. That it is in the best interests of the Village of Lombard to approve the Amendment in its proposed form.
- D. That to the extent that it may have been necessary to go to bid relative to the work contemplated by said Amendment, bidding is hereby specifically waived as to the Amendment work.

Resolution _____

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SECTION 2: That having made the findings set forth in Section 1 above, the President and Board of Trustees hereby approve the Amendment attached hereto as Exhibit "A", and direct and authorize the Village President and Village Clerk to execute said Amendment on behalf of the Village.

Adopted this _____ day of _____, 2012,
pursuant to a roll call vote as follows:

Ayes: _____

Nays: _____

Absent: _____

Approved by me this _____ day of _____, 2012.

William J. Mueller
Village President

ATTEST:

Brigitte O'Brien
Village Clerk

VILLAGE OF LOMBARD, ILLINOIS
ROUTE 53 STORMWATER PUMPING STATION

EXHIBIT C

Amendment No. 2

ROUTE: N.A.
LOCAL AGENCY: VILLAGE OF LOMBARD
(Municipality/Township/Cour DuPage County)
SECTION:
PROJECT:
JOB NO.: 100528.40

| | |
|---|------|
| * B&W's APPROVED RATES ON FILE WITH IDOT'S BUREAU OF ACCOUNTING AND AUDITING: | |
| OVERHEAD RATE (OH) | 147% |
| MULTIPLIER | 2.83 |
| COMPLEXITY FACTOR (R) | 0 |
| CALENDAR DAYS | N.A. |

| ELEMENT OF WORK | Employee | Hours | Payroll Rate | % Time by Task | Total Costs | In-House Direct (IHDC) | Total Cost with Multiplier | Total Cost By Task | % Cost By Task |
|--|---------------------|-----------|--------------|----------------|--------------------|------------------------|----------------------------|--------------------|----------------|
| MANAGE PROJECT | | | | | | | | | |
| PROJECT MANAGEMENT | John Ambrose | 0 | \$ 65.08 | 0.00% | \$ - | | \$ - | | |
| | Chris Buckley | 0 | \$ 50.74 | 0.00% | \$ - | | \$ - | | |
| | Steve Verseman | 0 | \$ 51.95 | 0.00% | \$ - | | \$ - | | |
| | Peggy Yarbro | 0 | \$ 23.57 | 0.00% | \$ - | | \$ - | \$ - | 0.00% |
| PRELIMINARY DESIGN | | | | | | | | | |
| MEETINGS | | | | | | | | | |
| Progress Meetings | John Ambrose | 0 | \$ 65.08 | 0.00% | \$ - | | \$ - | | |
| | Christopher Buckley | 5 | \$ 50.74 | 5.62% | \$ 253.70 | | \$ 718.00 | | |
| | Steve Verseman | 0 | \$ 51.95 | 0.00% | \$ - | | \$ - | \$ 718.00 | 10.26% |
| Task Subtotal | | 6 | | | | | \$ 718.00 | \$ 718.00 | |
| ANALYSIS AND PRELIMINARY DESIGN | | | | | | | | | |
| PUMP/INLET EVALUATION | Christopher Buckley | 2 | \$ 50.74 | 2.25% | \$ 101.48 | | \$ 288.00 | | |
| | Steve Verseman | 2 | \$ 51.95 | 2.25% | \$ 103.90 | | \$ 295.00 | \$ 583.00 | 8.33% |
| CIVIL / SITE DESIGN | Steve Verseman | 5 | \$ 51.95 | 5.62% | \$ 259.75 | | \$ 736.00 | | |
| | Christopher Buckley | 8.5 | \$ 50.74 | 9.55% | \$ 431.29 | | \$ 1,221.00 | \$ 1,957.00 | 27.98% |
| ELECTRICAL DESIGN | Gary Wall | 5 | \$ 47.27 | 5.62% | \$ 236.35 | | \$ 669.00 | \$ 669.00 | 9.56% |
| DRAWINGS | Ursula Botchs | 8 | \$ 35.28 | 8.99% | \$ 282.24 | | \$ 799.00 | | |
| | Steve Eslick | 0.5 | \$ 43.17 | 0.56% | \$ 21.59 | | \$ 62.00 | \$ 861.00 | 12.31% |
| Task Subtotal | | 31 | | | | | \$ 4,070.00 | \$ 4,070.00 | |
| PROJECT DEVELOPMENT REPORT | | | | | | | | | |
| OPINION OF PROBABLE COST | Steve Verseman | 4 | \$ 51.95 | 4.49% | \$ 207.80 | | \$ 589.00 | | |
| | Christopher Buckley | 0 | \$ 50.74 | 0.00% | \$ - | | \$ - | | |
| | Gary Wall | 2 | \$ 47.27 | 2.25% | \$ 94.54 | | \$ 268.00 | | |
| | Peggy Yarbro | 0 | \$ 23.57 | 0.00% | \$ - | | \$ - | \$ 857.00 | 12.25% |
| PROJECT DEVELOPMENT REPORT | John Ambrose | 0 | \$ 65.08 | 0.00% | \$ - | | \$ - | | |
| | Christopher Buckley | 8 | \$ 50.74 | 8.99% | \$ 405.92 | | \$ 1,149.00 | | |
| | Steve Verseman | 0 | \$ 51.16 | 0.00% | \$ - | | \$ - | | |
| | Peggy Yarbro | 3 | \$ 23.57 | 3.37% | \$ 70.71 | \$ - | \$ 201.00 | \$ 1,350.00 | 19.30% |
| Task Subtotal | | 17 | | | | | \$ 2,207.00 | \$ 2,207.00 | |
| TOTALS | | 89 | | 59.55% | \$ 2,469.27 | \$ - | \$ 6,995.00 | \$ 6,995.00 | 100.00% |

IN-HOUSE DIRECT COSTS (INCLUDED IN TOTAL COST):
VEHICLE EXPENSES - TRAVEL, 1500 MI @ \$0.50/MILE
GPS EQUIPMENT RENTAL
POSTAGE

\$0 Project Multiplier
\$0 Overhead = 1.47
\$0 Direct Labor = 1.00
Profit @14.5% = 0.36
Multiplier = 2.83

