

**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: William T. Lichter, Village Manager

DATE: October 24, 2005 (COW) (B of T) **Date:** November 3, 2005

TITLE: Edgewood Avenue/ Old Grove Pond (Special Assessment 218B)
Design Amendment #3

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

BACKGROUND/POLICY IMPLICATIONS:

See Memo

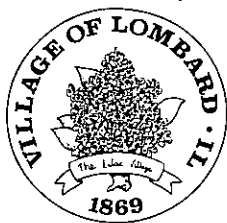
FISCAL IMPACT/FUNDING SOURCE:

Current Contract Amount: : \$165,908.00
Amendment: \$37,375.00
Amended Contract Amount: \$203,283.00
HTE Project: 0330 ST-03-06
P.O.: 046098
Account: 8735.809450 (Village Share)

Review (as necessary):

Village Attorney X	_____	Date	_____
Finance Director X	<i>Jonathan Sexton</i>	Date	<i>10/26/05</i>
Village Manager X	<i>William T. Lichter</i>	Date	<i>10/26/05</i>

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.



InterOffice Memo

To: William T. Lichter, Village Manager
Through: Wes Anderson, Director of Public Works *USA*
From: David A. Dratnol, P.E., Village Engineer *Dratnol*
Date: October 24, 2005
Subject: Edgewood Avenue/ Old Grove Pond (Special Assessment 218B)
Design Amendment #3

Attached, please find an engineering services contract amendment in the amount of \$37,375.00 with Engineering Resources Associates (ERA) of Wheaton. The amendment is for an engineering study that addresses three tasks related to developing a plan to minimize flooding in the vicinity of Old Grove Pond. The first task is the delineation of potential wetlands at the Old Grove Pond site. The second task is to perform storm water analysis and evaluate drainage at Old Grove Pond. The last task is the preparation of a report recommending alternative courses of action that can be taken to maximize the cost benefit of drainage/storm water detention improvements to the Old Grove Pond site. Please refer to the attached letter from ERA for additional information.

The cost of this study will not be charged to the Edgewood Avenue Special Assessment (SA 218B), as it has been Village policy to not charge storm water management related costs to the Special Assessment. Previous neighboring assessments (Grace, Fairfield, Stewart, Norton, Highridge, & Edward) were not charged for engineering or construction for the expansion of Southland Pond.

This amendment does not include the costs to prepare the construction documents. After ERA determines possible alternatives and the Village selects the preferred alternative, then the cost for preparing construction documents will be presented.

Please present this agreement to the President and Board of Trustees for their review and approval at their regular meeting on November 3, 2005.

c: BOLI
File: ST-03-06

RESOLUTION

R _____ 06

**A RESOLUTION AUTHORIZING
AMENDMENT OF A PROFESSIONAL
SERVICES CONTRACT**

WHEREAS, the Board of Trustees of the Village of Lombard on February 20, 2003 adopted a resolution authorizing signature of President and Clerk on an agreement between the Village of Lombard and Engineering Resource Associates which was amended on October 16, 2003 and June 17, 2004

WHEREAS, an amendment to said contract is required to legally bind the parties; and

WHEREAS, Illinois law exempts professional engineering contracts from the requirements of Illinois Compiled Statutes, Chapter 720, Section 5/33E-9 regarding preparation of change orders.

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 President and Village Clerk are hereby directed and authorized to execute an amendment to the contract with Engineering Resource Associates substantially in the form and manner of Exhibit "A" attached hereto and made a part hereof.

Adopted this 3rd day of November, 2005.

Ayes: _____

Nays: _____

Absent: _____

Approved this 3rd day of November, 2005.

ATTEST:

William J. Mueller
Village President

Brigitte O'Brien
Village Clerk

APPROVAL AS TO FORM:

Thomas P. Bayer
Village Attorney

AGREEMENT TO AMEND A CONTRACT

THIS AGREEMENT made and entered into this 3rd day of November, 2005, by and between the **VILLAGE OF LOMBARD** (the "VILLAGE") and **ENGINEER** (the "CONSULTANT").

WHEREAS, on February 20, 2003, and October 16, 2003 and June 17, 2004 and the VILLAGE and CONSULTANT executed a contract regarding certain engineering services relative to the Special Assessment 218; and

WHEREAS, the VILLAGE and CONSULTANT have agreed to increase the amount of work to be performed by the CONSULTANT together with a resultant increase in the limit which the contract sum may not exceed;

NOW, THEREFORE, for and in consideration of the foregoing and various covenants in said agreement and the mutual covenants herein contained, it is agreed by and between the parties as follows:

SECTION 1: The aforementioned contract shall be amended to expand the scope of work as provided for in the CONSULTANT'S October 7, 2005 letter.

SECTION 2: The aforementioned contract shall be amended to show a contract sum not to exceed \$203,283.00.

SECTION 3: All other terms, covenants and conditions of said contract heretofore executed which are not amended or deleted herein shall remain in full force and effect.

IN WITNESS WHEREOF, the VILLAGE and CONSULTANT have caused this document to be signed by duly authorized officers who have set their hands and seals the day and year set forth above.

VILLAGE OF LOMBARD

By: _____
Village President

ATTEST:

By: _____
Village Clerk

and **ENGINEER**

By: _____

ATTEST:

By: _____

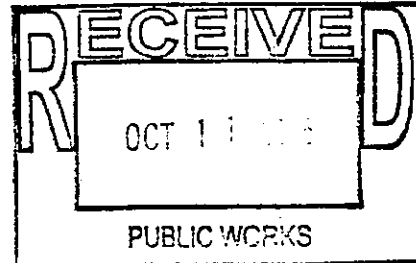


ENGINEERING RESOURCE ASSOCIATES, INC.

35701 West Avenue, Suite 150, Warrenville, Illinois 60555-3256
Phone (630)393-3060, Fax (630)393-2152

October 7, 2005

Mr. David Dratnol, P.E.
Village Engineer
Village of Lombard
255 E. Wilson Avenue
Lombard, Illinois 60148-3926



Subject: Contract Amendment No. 3
Edgewood Avenue/Old Grove Pond
ERA Project No. 230210

Dear Dave:

In accordance with your request, Engineering Resource Associates, Inc. (ERA) is pleased to submit this Contract Amendment No. 3 for the subject project. The amendment includes additional engineering services beyond the scope of our original agreement. This work includes an investigation of the hydraulics and hydrology associated with Old Grove Pond and its tributary drainage basin.

Project Understanding

The objective of the study is to determine the level of stormwater protection that can be developed for the area at a realistic economic cost. Wetland delineation and a study of how the capacity of Old Grove Pond could potentially expanded will be performed. This work will include verification of flows and drainage patterns at Old Grove Pond and recommendations of other potential improvements that would improve storm water drainage and storage within associated sub-basins including the downstream channel within the Village limits.

Scope of Services

ERA will perform engineering services in accordance with the following work plan.

1. Meetings & Coordination - Meet with Village of Lombard staff, DuPage County staff and others to review progress, gather data and discuss relevant issues. This may also include a public meeting with concerned residents and businesses to discuss our finding and recommendations. We have allocated five meetings to this task.

2. **Data Gathering - Collect relevant background data including the following items:**
 - Hydrologic Atlas
 - DFIRM Mapping and reports
 - FEQ Modeling Data and output
 - Aerial Based Tax Mapping
 - Contour Mapping from Village
 - Utility Atlases

3. **Wetland Delineation**
 - Delineate regulatory wetland limits within Old Grove Pond park and along Sugar Creek from the pond to the village limits at Westmore/Meyers Road.
 - Place flag at wetland limits and coordinate field verification with DuPage County staff.
 - Survey flag locations and prepare a wetland boundary survey plan.
 - Prepare a wetland delineation summary report.

4. **Field Survey**
 - Perform topographic survey around Old Grove Pond and along Sugar Creek from the pond to the village limits at Westmore/Meyers Road.
 - Survey wetland stakes following acceptance by DuPage County.
 - Include survey of stormwater structures including rim elevations, inverts, pipe sizes and pipe types.

5. **Base Plans**
 - Download survey data and integrate with background data to produce base plans of existing conditions.
 - Plot base plans at a scale of 1"=20'.

6. **Stormwater Analysis and Evaluation**
 - Review existing conditions FEQ modeling input and compare to field survey and base plan data.
 - Duplicate FEQ modeling results to serve as base model.
 - Modify duplicate model to input surveyed and observed field conditions.
 - Compare results of modified existing conditions model and original model.
 - Evaluate the effectiveness of potential improvements within the pond area, upstream areas and the downstream channel by modifying the FEQ model. Potential improvements may include:
 - Modify Old Grove Pond outlet structure
 - Expand Old Grove Pond storage capacity
 - Edgewood Avenue storm sewer improvements (revised pipe sizes and floodplain filling in rear yards)
 - Given the size of the tributary drainage basin relative to the volume of storage at Old Grove Pond, it is not anticipated that the proposed improvements will significantly alter high water elevations along Sugar

Creek. Instead, it is anticipated that the improvements will help to accommodate work to alleviate flooding in areas around the pond. Therefore, we have not included work to modify PVSTATS data to revise regulatory floodplain elevations.

7. Cost Estimates - Prepare engineer's opinions of probable construction cost for the improvements that appear to be effective in reducing the extent and severity of flooding and drainage problems in the area.
8. Storm Water Report - Prepare a Storm Water Report summarizing the results of the work described above. The report will include exhibits, modeling output, cost estimates and recommendations for preferred improvements. The report will be submitted in draft format and will be revised to conform to comments from the Village.

Fees

Fees for engineering services described above are proposed on a cost, not to exceed basis using our hourly rate multiplier of 2.66. The following is a summary of estimated hours and fees.

Current Contract Amount	\$ 165,908.00
Amendment No. 3	\$ 37,375.00
Revised Contract Amount	\$ 203,283.00

An hour and cost budget is included at the end of this amendment.

We appreciate the opportunity to provide this amendment and we trust that it meets with your approval. Please advise if you have any questions or comments.

Sincerely,
ENGINEERING RESOURCE ASSOCIATES, INC.



Rodney A. Beadle, P.E.
President

RAB:sdh
enclosure

Hour and Cost Budget
Village of Lombard
Edgewood Avenue/Old Grove Pond Study
Design Engineering

Prepared By
Engineering Resource Associates, Inc.
7-Oct-05

PD: Project Director
PM: Project Manager
SPE: Senior Project Engineer
PE: Project Engineer
WS: Wetland Specialist
CC: Survey Crew Chief
FT: Field Technician
CT: CADD Technician
CL: Clerical

TASKS	Rate:	PD	PM	SPE	PEWS	CC	FT	CT	CL	TOTAL HOURS	%OF HRS	TOTAL COST
1. Meetings and Coordination	\$70.00	3	6	8	12	0	0	0	2	31	7.1%	\$1,250
2. Data Acquisition		0	1	2	6	0	0	2	2	13	3.0%	\$413
3. Wetland Delineation & Report		2	4	12	32	0	0	0	6	58	12.8%	\$1,906
4. Field Survey		1	2	4	4	44	44	0	0	99	22.7%	\$2,455
5. Base Plans		1	2	4	6	0	0	54	0	67	15.4%	\$2,106
6. Stormwater Analysis & Evaluation		0	2	4	8	0	0	2	2	18	4.1%	\$605
Duplicate Existing Model		1	2	4	12	0	0	4	2	25	5.7%	\$854
Modified Existing Model		2	4	8	24	0	0	4	2	44	10.1%	\$1,547
Proposed Conditions Analysis		1	2	4	8	0	0	4	2	21	4.8%	\$734
7. Cost Estimates		2	4	8	16	0	0	24	8	62	14.2%	\$2,024
8. Storm Water Report		13	29	58	128	44	44	84	26	436		
Project Totals		3.0%	6.7%	13.3%	29.4%	10.1%	10.1%	21.6%	6.0%		100.0%	
% of Hours		\$910	\$1,610	\$2,204	\$3,840	\$1,078	\$924	\$2,773	\$553			\$13,891
Total Cost		2.66										
Multiplier		\$36,950										

Direct Costs (0% Markup)	
Printing	\$225
Shipping	\$75
Mileage	\$125
Subtotal Direct Costs	\$425
Project One Totals	\$37,376