

**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:** June 7, 2004 (COW) (B of T)      **Date:** June 17, 2004

**TITLE:** Special Assessment 218 (Grace Fairfield and Edgewood)  
Design Amendment #2

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

**BACKGROUND/POLICY IMPLICATIONS:**

See Memo

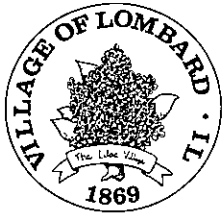
**FISCAL IMPACT/FUNDING SOURCE:**

Current Contract Amount: \$114,791.00  
Amendment: \$51,117.00  
Amended Contract Amount: \$165,908.00  
HTE Project: 0330 ST-03-06  
P.O.: 046098  
Account: 8735.809450

Review (as necessary):

|                    |                           |                      |
|--------------------|---------------------------|----------------------|
| Village Attorney X | _____                     | Date _____           |
| Finance Director X | <i>Leonard J. Flood</i>   | Date <i>06/09/04</i> |
| Village Manager X  | <i>William T. Lichter</i> | Date <i>06/17/04</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  
**From:** David A. Dratnol, P.E., Village Engineer *DAE*  
**Date:** June 7, 2004  
**Subject:** SA 218 (Grace, Fairfield and Edgewood)/Design Engineering Amendment No. 2

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Attached, please find an engineering services contract amendment in the amount of \$51,117.00 with Engineering Resources Associates (ERA) of Wheaton. The amendment addresses two separate issues. The first issue is additional scope related to SA 218 and the second is the deletion of Edgewood Avenue from the SA 218 project due to stormwater management issues (conveyance).

Additional scope related to SA 218 include:

- Surveying along Central Avenue between Grace and Edgewood: Related to underground utilities and street lighting
- Surveying at Southland Pond: Additional surveying to assist in evaluating design alternatives.
- Lighting Design: Incorporate future lighting plans and incorporate "new" lighting standards.
- Wetland permitting: Preparation of wetland permit for submittal to DuPage County

Additional scope related to Edgewood Avenue include:

- Lighting Design: Incorporate "new" lighting standards.
- Surveying: Related to storm sewer from Edgewood to Old Grove Pond.
- Easements: Preparation of easement related to storm sewer from Edgewood to Old Grove Pond.
- Phase 2 P, S & E: Preparation of a separate set of contract documents (Plans, Specifications and Engineer' Estimate) for the Edgewood work.

Please refer to the attached letter for additional information.

Please present this agreement to the President and Board of Trustees for their review and approval at their regular meeting on June 17, 2004.

c: BOLI  
File: ST-03-06

**RESOLUTION**  
R \_\_\_\_\_ 05

**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

**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 17th day of June, 2004.

Ayes; \_\_\_\_\_

Nays: \_\_\_\_\_

Absent: \_\_\_\_\_

Approved this 17th day of June, 2004.

**ATTEST:**

\_\_\_\_\_  
**William J. Mueller**  
**Village President**

\_\_\_\_\_  
**Barbara Johnson**  
**Deputy Village Clerk**

**APPROVAL AS TO FORM:**

\_\_\_\_\_  
**Thomas P. Bayer**  
**Village Attorney**

**AGREEMENT TO AMEND A CONTRACT**

**THIS AGREEMENT** made and entered into this 17th day of June, 2004, by and between the **VILLAGE OF LOMBARD** (the "VILLAGE") and **ENGINEER** (the "CONSULTANT").

**WHEREAS**, on February 20, 2003 and October 16, 2003 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 May 24, 2004 letter.

**SECTION 2:** The aforementioned contract shall be amended to show a contract sum not to exceed \$165,908.00.

**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: \_\_\_\_\_  
Deputy Village Clerk

and **ENGINEER**

By: \_\_\_\_\_

ATTEST:

By: \_\_\_\_\_



**ENGINEERING RESOURCE ASSOCIATES, INC.**  
Consulting Engineers & Surveyors

214 West Willow Avenue  
Wheaton, Illinois 60187  
Phone: (630) 668-5995  
Fax: (630) 668-0693

May 24, 2004

Mr. Ray Schwab  
Civil Engineer  
Village of Lombard  
1051 South Hammerschmidt Avenue  
Lombard, IL 60148

**SUBJECT:** SA 218 (Grace, Fairfield and Edgewood)  
Contract Amendment No. 2

Dear Ray:

Engineering Resource Associates, Inc. (ERA) would like to submit this proposed Contract Amendment No. 2 to our agreement for design engineering services for SA 218 (Grace, Fairfield and Edgewood). The amendment reflects additional engineering services beyond the scope of our original agreement.

In February, 2003 ERA was retained by the Village of Lombard to provide design engineering services in accordance with our proposal dated January 23, 2003 and as amended February 11, 2003. As detailed in the request for proposals, and the proposal, the project was anticipated to be designed and constructed as a single phase project and the project limits were delineated from the south right of way line of Central Avenue to the north right of way line of Roosevelt Road.

In September, 2003 it was determined that the project should be split into two projects. The first project includes Grace Avenue and Fairfield Avenue from Central Avenue to Roosevelt Road. The project also includes expansion of Southland Pond, construction of a new soccer field at Southland Park and street lighting along Central Avenue. Design for this project was completed in March 2004 and the project was issued for bids. The project was awarded to R.W. Dunteman in the amount of \$1,223,882.05.

The second project will include Edgewood Avenue from Central Avenue to Roosevelt Road. The project may also include the construction of a storm relief sewer from Edgewood Avenue to Old Grove Pond. The current engineer's opinion of probable construction cost for the second project is approximately \$550,000.

In April 2004, the Village of Lombard directed ERA to prepare a Project Development Report (PDR) for the Edgewood Avenue Project. The PDR will address the scope and estimated cost for the proposed improvements along Edgewood Avenue. The PDR will also address downstream issues related to existing and proposed storm relief sewers from Edgewood Avenue to Old Grove Pond.

Geneva Office:  
426 South Third Street, Geneva, Illinois 60134  
Phone: (630) 262-8689 Fax: (630) 262-8698  
email: era@eraconsultants.com

The following is a listing of additional engineering services included in the scope of this Contact Amendment No. 2 for SA-218 Grace Avenue and Fairfield Avenue.

1. Field Survey and Base Plans - Additional survey work was required for the following areas.
  - A. Central Avenue - Topographic survey and base plan preparation was required to obtain accurate information on the existing storm sewer and water main systems and to accommodate design of new street lights from west of Grace Street to east of Edgewood Avenue (approx. 1,746 ft.).
  - B. Southland Park - The original scope included survey around Southland Pond and the northwest corner of the park for the proposed soccer field. A full topographic survey of the entire park site was performed to aid in the evaluation of water main routing options, to accommodate a larger soccer field and to enable a more thorough investigation of improvement alternatives within and around the park.
2. Lighting Design - Lighting along Central Avenue from Grace Avenue to Fairfield Avenue was added to the project scope. In addition, the lighting system was designed to accommodate future connection of areas north of Central Avenue. Multiple photometric analyses were performed on various lighting fixtures to provide recommendations for a standard street light spacing for the Village. ERA then assisted the Village in drafting a specification based upon the new Village standard.
3. Wetland Permitting - Addendum No. 1 included additional work to perform a wetland delineation at Southland Pond. The costs included in Amendment 1 were to compensate our subconsultant, Encap, Inc. for this work. After the wetland delineation was performed, since regulatory wetlands were identified at the site, it was determined that a wetland/stormwater permit submittal would need to be submitted for the project. Since the Village of Lombard is a partial waiver community, the submittal was prepared by ERA and submitted for review and approval by DuPage County. The permit submittal was subsequently approved by DuPage County. The hours and fees shown on the enclosed hour and cost estimate reflect actual hours and fees expended by ERA personnel in completing this task including survey of delineation stakes and preparation of the submittal.

The following is a listing of additional engineering services included in the scope of this Contact Amendment No. 2 for SA-218 Edgewood Avenue.

1. PDR - A PDR will be prepared to address the scope and cost of improvements associated with Edgewood Avenue. In addition, it will present different scenarios to address stormwater .

2. Lighting Design - A preliminary lighting design was completed for Edgewood Avenue and Central Avenue from Fairfield Avenue to Edgewood Avenue. However, the lighting design needed to be redesigned based upon the new Village standard.
3. Field Survey - Topographic survey and base plan preparation is required along the existing and proposed storm sewer route from Edgewood Avenue to Old Grove Pond (approx. 1,000 ft.).
4. Easements - In order to accommodate the stormwater runoff associated with the Edgewood improvements, a storm sewer or additional detention will be required on private property. This will require coordination of easements and/or property acquisition.
5. Phase 2 PS&E - This task includes the preparation of a second set of contract documents to accommodate the construction of the second project. This includes analysis and design of a new storm sewer to serve Edgewood Avenue. This also include the preparation of plans, specifications and estimates (PS&E) for the project.

To accommodate the revisions listed above, the project schedule is hereby revised as follows assuming a start date of June 1, 2004:

- |                             |            |
|-----------------------------|------------|
| • Submit 65% PS&E, Phase 2  | 06/15/2004 |
| • Submit 95% PS&E, Phase 2  | 06/30/2004 |
| • Submit 100% PS&E, Phase 2 | 07/31/2004 |

Fees for additional engineering services described in this Amendment No. 2 are proposed on a cost plus not to exceed basis in accordance with the same multiplier rate (2.66) applied to our original agreement. The following is a summary of proposed additional fees for this Amendment No. 2.

|                                       |                  |
|---------------------------------------|------------------|
| Original Agreement                    | \$112,506        |
| Amendment No. 1 (Wetland Delineation) | <u>\$ 2,285</u>  |
| Previous Revised Contract Amount      | \$114,791        |
| This Amendment No. 2                  | <u>\$ 51,117</u> |
| Revised Contract Amount               | \$165,908        |

An hour and cost budget for additional services is included on the following page.



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

Very truly yours,  
ENGINEERING RESOURCE ASSOCIATES, INC.



Kerry K. Behr, P.E.  
Project Engineer



Hour and Cost Budget  
 Village of Lombard  
**Special Assessment 218 (Grace, Fairfield and Edgewood)**  
**Contract Amendment No. 2**  
 Prepared By  
 Engineering Resource Associates, Inc.  
**4/27/2004**

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

| TASKS  | Rate: | PD | PM | SPE | PE  | CC | FT | CT  | CL | TOTAL HOURS | %OF HRS | TOTAL COST | FEE      | MULTIPLIER |
|--|-------|----|----|-----|-----|----|----|-----|----|-------------|---------|------------|----------|------------|
| <b>Original Agreement</b>                    |       | 57 | 97 | 156 | 308 | 80 | 80 | 472 | 79 | 1,329       | 69.2%   | \$112,506  |          |            |
| <b>Amendment No. 1 (Wetland Delineation)</b> |       |    |    |     |     |    |    |     |    |             |         |            |          |            |
| <b>Previous Totals</b>                       |       |    |    |     |     |    |    |     |    | 1,329       | 69.2%   | \$114,791  | \$2,285  |            |
| <b>Amendment No. 2</b>                       |       |    |    |     |     |    |    |     |    |             |         |            |          |            |
| <b>Grace and Fairfield Avenue</b>            |       |    |    |     |     |    |    |     |    |             |         |            |          |            |
| 1. Field Survey & Base Plans                 |       | 1  | 2  | 4   | 6   | 32 | 32 | 40  | 2  | 119         | 6.2%    | \$2,969    | \$7,898  |            |
| Central Avenue                               |       | 0  | 1  | 2   | 2   | 8  | 8  | 12  | 0  | 33          | 1.7%    | \$854      | \$2,270  |            |
| Southland Park                               |       |    |    |     |     |    |    |     |    |             |         |            |          |            |
| 2. Lighting Design                           |       | 2  | 4  | 8   | 34  | 0  | 0  | 24  | 4  | 76          | 4.0%    | \$2,393    | \$6,365  |            |
| 3. Wetland Permitting                        |       | 1  | 2  | 4   | 8   | 8  | 8  | 12  | 4  | 47          | 2.4%    | \$1,315    | \$3,498  |            |
| <b>Edgewood Avenue</b>                       |       |    |    |     |     |    |    |     |    |             |         |            |          |            |
| 1. PDR                                       |       | 1  | 2  | 12  | 20  | 0  | 0  | 0   | 3  | 38          | 2.0%    | \$1,344    | \$3,574  |            |
| 2. Lighting Design                           |       | 1  | 1  | 2   | 12  | 0  | 0  | 6   | 1  | 23          | 1.2%    | \$733      | \$1,950  |            |
| 3. Field Survey                              |       | 0  | 1  | 2   | 4   | 16 | 16 | 24  | 2  | 65          | 3.4%    | \$1,604    | \$4,265  |            |
| 4. Easements                                 |       | 1  | 1  | 8   | 16  | 0  | 0  | 0   | 2  | 28          | 1.5%    | \$978      | \$2,600  |            |
| 5. Phase 2 PS&E                              |       |    |    |     |     |    |    |     |    |             |         |            |          |            |
| 65% Submittal                                |       | 2  | 6  | 12  | 20  | 0  | 0  | 32  | 4  | 76          | 4.0%    | \$2,491    | \$6,626  |            |
| 95% Submittal                                |       | 2  | 4  | 8   | 12  | 0  | 0  | 24  | 3  | 53          | 2.8%    | \$1,747    | \$4,646  |            |
| 100% Submittal                               |       | 1  | 2  | 4   | 8   | 0  | 0  | 16  | 2  | 33          | 1.7%    | \$1,046    | \$2,782  |            |
| <b>Subtotals</b>                             |       | 12 | 26 | 66  | 142 | 64 | 64 | 190 | 27 | 591         | 30.8%   | \$17,472   | \$46,474 |            |
| <b>Direct Costs</b>                          |       |    |    |     |     |    |    |     |    |             |         |            |          |            |
| Mileage                                      |       |    |    |     |     |    |    |     |    |             |         |            | \$150    |            |
| Printing                                     |       |    |    |     |     |    |    |     |    |             |         |            | \$2,342  |            |
| Shipping                                     |       |    |    |     |     |    |    |     |    |             |         |            | \$150    |            |
| Structural Consultant                        |       |    |    |     |     |    |    |     |    |             |         |            | \$2,000  |            |
| Subtotal, Direct Costs                       |       |    |    |     |     |    |    |     |    |             |         |            | \$4,642  |            |
| <b>Total, Amendment No. 2</b>                |       |    |    |     |     |    |    |     |    |             |         |            | \$51,117 |            |

|                       |    |     |     |     |     |     |     |     |     |       |        |           |  |  |
|-----------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-------|--------|-----------|--|--|
| <b>Project Totals</b> | 69 | 123 | 222 | 450 | 144 | 144 | 144 | 662 | 106 | 1,920 | 100.0% | \$165,908 |  |  |
|-----------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-------|--------|-----------|--|--|