

DISTRICT 1 & 4

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 A. Hulseberg, Village Manager

DATE: March 22, 2011 (COW) (B of T) **Date:** April 7, 2011

TITLE: N. Main St. LAPP
Resident Engineering (RE) Contract Amendment

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

BACKGROUND/POLICY IMPLICATIONS:

Amend RE Contract to reflect extensive inspection during construction.

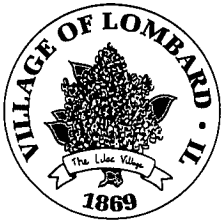
FISCAL IMPACT/FUNDING SOURCE:

Total Amended Contract Amount: \$193,922.99
Amendment Amount: \$25,876.35
HTE Project Number: 0936 HTE Acct: 7110.809425
Public Works Project Number: ST-02-07-RE
P.O. #: 066166

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 A. Hulseberg, Village Manager
Through: Carl Goldsmith, Director of Public Works *CG*
From: David A. Dratnol, P.E., Village Engineer *DAD*
Date: March 22, 2011
Subject: N. Main Street LAPP Project
Contract Amendment 1 for Resident Engineering

Attached please find a request for amendment 1 to the contract for resident engineering services for the N. Main Street LAPP Project in the amount of an increase to the contract of \$25,876.35.

Due to the extensive construction inspection required by unanticipated overtime hours worked by the contractor to meet the project schedule, the Resident Engineer, Thomas Engineering Group, LLC (TEG), is requesting an additional 189.5 hours for construction inspection and the paperwork associated with the additional time. TEG has spent an additional 50 hours in documentation and record drawings for which they will not charge the Village.

The original contract for resident engineering services is \$168,046.64. The proposed contract amount will be \$193,922.99.

Please present Contract Amendment 1 to the President and Board of Trustees at their regular meeting of April 7, 2011. If approved, please return two signed originals to Public Works-Engineering for further processing.

DAD/pk

RESOLUTION
R _____ 11

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 Thomas Engineering Group, LLC. regarding the N. Main Street LAPP 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 \$25,876.35;

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.

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 7th day of April, 2011, pursuant to a roll call vote as follows:

Ayes: _____

Nays: _____

Absent: _____

Approved by me this 7th day of April, 2011.

William J. Mueller
Village President

ATTEST:

Brigitte O'Brien
Village Clerk

March 15, 2011

Mr. David Dratnol, P.E. – Village Engineer
Village of Lombard
255 E. Wilson Ave.
Lombard, IL 60148



238 south kenilworth avenue
suite 100
oak park, illinois 60302

Re: **Main St. LAPP**
Request for Engineering Services Supplement

Dear Mr. Dratnol,

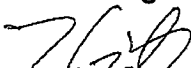
Thomas Engineering Group, LLC (TEG), hereby requests a supplement to our Engineering Services Agreement for all resident engineering work associated with IDOT Contract 63456, the Main Street LAPP Resurfacing Project. Please refer to the attached spreadsheets for a summary of the total hours worked by both TEG and the general contractor, Brothers Asphalt Paving (BAP) and the associated costs required for TEG to successfully complete the project.

As you are well aware, this project was completed on time and under budget, once the extra costs for the additional 4" pavement markings were included with the original contract. However, the additional effort required by TEG to properly inspect the work performed by BAP and their subcontractors was not reflected or anticipated in the original estimate of hours negotiated with the Village of Lombard and is the basis for this request. This additional effort was due primarily to the poor productivity achieved by both BAP and their concrete subcontractor, GEM, which necessitated substantial overtime and Saturday work for the contractor to avoid liquidated damages and to ensure that the project would be completed in a timely manner. Also, the use of multiple crews by both BAP and their subcontractors required supervision to assure that the contract documents were strictly adhered to which in turn required the use of two inspectors almost full-time, which was not included in the original estimate of hours. Please refer to the summary shown in the "Inspection Hours" timesheet for details, which shows a total of 797.5 crew hours requiring inspection compared to the 395 hours of inspection originally negotiated.

As of the end of December, TEG has worked a total of 1,534.5 hours, which is 159.5 hours more than our original estimate. We anticipate requiring another 80 hours for Post-Construction/Closeout which would bring our total to 1,614.5 hours, but will not bill for any overage in Documentation/Administration (4.5 hours) or Record Drawings (45.5 hours). Therefore, TEG is requesting an additional 189.5 hours, which includes the overage in inspection hours (402.5 hours) and the direct costs associated with the additional inspection minus the unbilled hours for Preconstruction (109 hours) and Public Relations (114 hours), thereby increasing our Engineering Services Agreement from \$168,046.64 to \$193,922.99, an increase of \$25,876.35.

Please feel free to contact me at your convenience to discuss this further.

Sincerely,
thomas engineering group, llc



Thomas E. Gill, III, P.E.
President

Attachments

cc: Paul Kuehnlenz—Lombard Project Manager
Glen Kirchen—TEG Resident Engineer

Thomas Engineering Group, LLC Work Schedule of Personnel & Hours

Rate	Project Principal \$65.00	Actual Thru Dec.	Resident Engineer \$47.00	Actual + Anticipated	Field Technician \$36.00	Actual Thru Dec.	Field Engineer \$20.00	Actual Thru Dec.	Layout Technician \$29.00	Actual + Anticipated	R.E. - Documentation \$45.00	Actual Thru Dec.	Technical Inspection \$26.25	Actual Thru Dec.	Negotiated Hours	% of Hours	Actual + Anticipated	% of Hours	Difference Hours	Difference %	Negotiated Cost Total	Anticipated Cost Total	Difference	
Preconstruction	5		80	49	80	7									165	12.0%	56	3.5%	109.0	-8.5%	\$6,965.00	\$2,555.00	(\$4,410.00)	
Layout			20	62	40	23.5			20	24					80	5.8%	109.5	6.8%	29.5	0.9%	\$2,960.00	\$4,456.00	\$1,496.00	
Public Relations			140	61	50	15									190	13.8%	76	4.7%	114.0	-9.1%	\$9,380.00	\$3,407.00	(\$4,973.00)	
Inspection			125	287.5	250	483.5	20	26.5							395	28.7%	797.5	49.2%	402.5	20.5%	\$15,275.00	\$31,446.50	\$16,171.50	
Documentation/Administration	(3)	24	(160)	204	(55)	20						5.5			249	18.1%	253.5	15.6%	4.5	-2.5%	\$11,710.00	\$11,710.00	\$0.00	
Record Drawings			(6)	32	(20)	12				20					28	2.0%	73.5	4.5%	45.5	2.5%	\$1,096.00	\$1,096.00	\$0.00	
Post-Construction/Closeout	8		120	154.5	120	100			20						288	19.5%	254.5	15.7%	13.5	-3.8%	\$11,060.00	\$11,060.00	\$0.00	
Subtotal	47	24	653	850	615	661	20	26.5	40	44	0	5.5	0	9.5	1375	100%	1620.5	100%	245.5	100%	\$67,446.00	\$85,732.50	\$18,286.50	
% of Hours	3.42%	\$1,560.00	\$30,691.00	\$39,950.00	\$22,140.00	\$23,796.00	\$400.00	\$530.00	\$1,160.00	\$1,276.00	\$0.00	\$247.50	\$0.00	\$249.38								\$163,146.64	\$193,922.99	\$30,776.35
Total Cost																								
Multiplier	2.84																							
Project Principal	1.4834																							
Overhead	1.0000																							
Direct labor	0.3601																							
Profit @ 14.5%	2.8459																							
Total	2.84																							
Say	2.84																							

Direct Costs: Vehicle \$3,900.00 Mike Daniels Premium Costs \$0.00 \$1,773.00
 Vehicle \$0.00 Mike Daniels Premium Costs \$0.00 \$19.69
 GPS \$1,000.00 Dusty Bonnell Premium Costs \$500.00
 Total Direct Costs: \$4,900.00 ✓ \$7,242.69 ✓ \$2,342.69

Total with Actual Direct Costs \$169,046.64 ✓ \$193,922.99 ✓ \$25,876.35

Project Principal: Thomas Gill, P.E.
 Resident Engineer: Glen Kirchen, P.E.
 Field Technician: Mike Daniels
 Field Engineer: Aren Krifis, E.I.
 Layout Technician: Jim Hallisma
 R.E. - Documentation: Kevin VanDeWoestyna
 Technical Inspection: Dusty Bonnell

Direct Costs: Vehicles GIS \$3,900
 2 Vehicles X \$30/day X 6 15. ✓
 2 Months @ \$500/Month \$1,000

Project Multiplier 1.4834
 Overhead 1.0000
 Direct labor 0.3601
 Profit @ 14.5% 2.8459
 Total 2.8459
 Say 2.84

