

DISTRICT - Unincorporated

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, AICP, ICMA-CM, Village Manager

DATE: February 8, 2011 (COW) (B of T) **Date:** February 17, 2011

TITLE: Madison Street/IL. Rt. 53 Intersection Improvements
Phase 1 Design Engineering

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

BACKGROUND/POLICY IMPLICATIONS:

Preliminary Design Engineering (Phase I) for improvements (including signalization) to the intersection of Madison Street and Illinois Route 53.

FISCAL IMPACT/FUNDING SOURCE:

Total Contract Amount: \$144,768.96

MFT Funds: \$72,384.48

State Funds: \$72,384.48

HTE Project Number: 0711

PW Project Number: ST-07-06

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, AICP, ICMA-CM, Village Manager
Through: Carl S. Goldsmith, Director of Public Works
From: David A. Dratnol, P.E., Village Engineer
Date: February 8, 2011
Subject: Madison Street/Illinois Route 53 Intersection Improvements
Phase 1 Design Engineering Services

Attached please find a fee schedule, resolution, and contract for Phase I Design Engineering services for the Madison Street/Illinois Route 53 Intersection Improvements.

This selection was made as a result of our bi-annual Design Engineering Short Listing process and was included in the Short Listing process as a target project. The Design Engineering Short-List Request for Qualifications and Proposals was sent to, and proposals received from, thirteen (13) firms. Upon review, five (5) firms were selected for the short list. Of these five firms, Christopher B. Burke Engineering, Ltd, (CBBEL) was determined to be the most qualified firm to serve as design engineer for this project.

The project scope and fee were negotiated with CBBEL and agreed to by both parties. The project consists of widening Route 53 to a three lane cross-section to accommodate a southbound left turn lane, traffic signalization, improvements to Madison Street that mirror the current right-of-way profile east of Finley Road, and extension of Village sewer and water amenities. Phase 1 engineering services will result in a Project Development Report that requires Illinois Department of Transportation (IDOT) approval of the project. The negotiated not-to-exceed fee is \$144,768.96. This amount will be equally shared with by IDOT per a recently executed cost share agreement. The Village will utilize Motor Fuel Tax funds to pay for its share.

Please present this agreement and resolution to the President and Board of Trustees for their review at their regular meeting of February 17, 2011. If approved, please return three (3) original signed copies to Public Works-Engineering for further processing.

DAD/fsk

RESOLUTION
R_____11

**A RESOLUTION AUTHORIZING SIGNATURE OF
PRESIDENT AND CLERK ON AN AGREEMENT**

WHEREAS, the Corporate Authorities of the Village of Lombard have received an Agreement between the Village of Lombard, and Christopher B. Burke Engineering, Ltd. regarding Phase 1 Design Engineering Services for the Madison Street/Illinois Rt. 53 Intersection Improvement project as attached hereto and marked Exhibit "A"; and

WHEREAS, the Corporate Authorities deem it to be in the best interest of the Village of Lombard to approve such request and 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 Village President be and hereby is authorized to sign on behalf of the Village of Lombard said agreement and request as attached hereto.

SECTION 2: That the Village Clerk be and hereby is authorized to attest said agreement and request as attached hereto.

Adopted this 17th day of February, 2011.

Ayes: _____

Nays: _____

Absent: _____

Approved this 17th day of February, 2011.

William J. Mueller
Village President

ATTEST:

Brigitte O'Brien
Village Clerk

APPROVAL AS TO FORM:

Thomas P. Bayer
Village Attorney

Municipality Village of Lombard	L O C A L A G E N C Y	 Illinois Department of Transportation Preliminary Engineering Services Agreement For Motor Fuel Tax Funds	C O N S U L T A N T	Name Christopher B. Burke Eng.; Ltd.
Township York				Address 9575 W. Hicains Rd.: Suite 600
County DuPage				City Rosemont
Section 11-00155-00-CH				State Illinois

THIS AGREEMENT is made and entered into this 17th day of February, 2011 between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Motor Fuel Tax Funds, allotted to the LA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT", will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

Section Description

Name Intersection of Illinois Route 53 and Madison Street

Route FAP 870 Length 0.45 Mi. 2400.00 FT (Structure No. _____)

Termini Madison St. between IL Rt. 53 and Finley Rd.; IL 53 several hundred feet north and south of Madison St.

Description:

Phase 1 Eng for improving the intersection of IL Rt 53 and Madison St. to include widening and resurfacing of IL Rt 53 with SB left turn and NB right turn lanes, traffic signal, and Madison St. improvements.

Agreement Provisions

The Engineer Agrees,

1. To perform or be responsible for the performance of the following engineering services for the LA, in connection with the proposed improvements herein before described, and checked below:
 - a. Make such detailed surveys as are necessary for the preparation of detailed roadway plans
 - b. Make stream and flood plain hydraulic surveys and gather high water data, and flood histories for the preparation of detailed bridge plans.
 - c. Make or cause to be made such soil surveys or subsurface investigations including borings and soil profiles and analyses thereof as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations are to be made in accordance with the current requirements of the DEPARTMENT.
 - d. Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.
 - e. Prepare Army Corps of Engineers Permit, Department of Natural Resources-Office of Water Resources Permit, Bridge waterway sketch, and/or Channel Change sketch, Utility plan and locations, and Railroad Crossing work agreements.
 - f. Prepare Preliminary Bridge design and Hydraulic Report, (including economic analysis of bridge or culvert types) and high water effects on roadway overflows and bridge approaches.
 - g. Make complete general and detailed plans, special provisions, proposals and estimates of cost and furnish the LA with five (5) copies of the plans, special provisions, proposals and estimates. Additional copies of any or all documents, if required, shall be furnished to the LA by the ENGINEER at his actual cost for reproduction.
 - h. Furnish the LA with survey and drafts in quadruplicate of all necessary right-of-way dedications, construction easement and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.

Note: Four copies to be submitted to the Regional Engineer

- i. Assist the LA in the tabulation and interpretation of the contractors' proposals
 - j. Prepare the necessary environmental documents in accordance with the procedures adopted by the DEPARTMENT's Bureau of Local Roads & Streets.
 - k. Prepare the Project Development Report when required by the DEPARTMENT.
- (2) That all reports, plans, plats and special provisions to be furnished by the ENGINEER pursuant to the AGREEMENT, will be in accordance with current standard specifications and policies of the DEPARTMENT. It is being understood that all such reports, plats, plans and drafts shall, before being finally accepted, be subject to approval by the LA and the DEPARTMENT.
- (3) To attend conferences at any reasonable time when requested to do so by representatives of the LA or the Department.
- (4) In the event plans or surveys are found to be in error during construction of the SECTION and revisions of the plans or survey corrections are necessary, the ENGINEER agrees that he will perform such work without expense to the LA, even though final payment has been received by him. He shall give immediate attention to these changes so there will be a minimum delay to the Contractor.
- (5) That basic survey notes and sketches, charts, computations and other data prepared or obtained by the Engineer pursuant to this AGREEMENT will be made available, upon request, to the LA or the DEPARTMENT without cost and without restriction or limitations as to their use.
- (6) That all plans and other documents furnished by the ENGINEER pursuant to this AGREEMENT will be endorsed by him and will show his professional seal where such is required by law.

The LA Agrees,

1. To pay the ENGINEER as compensation for all services performed as stipulated in paragraphs 1a, 1g, 1i, 2, 3, 5 and 6 in accordance with one of the following methods indicated by a check mark:
- a. A sum of money equal to _____ percent of the awarded contract cost of the proposed improvement as approved by the DEPARTMENT.
 - b. A sum of money equal to the percent of the awarded contract cost for the proposed improvement as approved by the DEPARTMENT based on the following schedule:

Schedule for Percentages Based on Awarded Contract Cost

Awarded Cost	Percentage Fees	(see note)
Under \$50,000		%
		%
		%
		%
		%

Note: Not necessarily a percentage. Could use per diem, cost-plus or lump sum.

2. To pay for services stipulated in paragraphs 1b, 1c, 1d, 1e, 1f, 1h, 1j & 1k of the ENGINEER AGREES at actual cost of performing such work plus _____ percent to cover profit, overhead and readiness to serve - "actual cost" being defined As material cost plus payrolls, insurance, social security and retirement deductions. Traveling and other out-of-pocket expenses will be reimbursed to the ENGINEER at his actual cost. Subject to the approval of the LA, the ENGINEER may sublet all or part of the services provided under the paragraph 1b, 1c, 1d, 1e, 1f, 1h, 1j & 1k. If the ENGINEER sublets all or part of this work, the LA will pay the cost to the ENGINEER plus a five (5) percent service charge.

"Cost to Engineer" to be verified by furnishing the LA and the DEPARTMENT copies of invoices from the party doing the work. The classifications of the employees used in the work should be consistent with the employee classifications for the services performed. If the personnel of the firm, including the Principal Engineer, perform routine services that should normally be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the work performed.

3. That payments due the ENGINEER for services rendered in accordance with this AGREEMENT will be made as soon as practicable after the services have been performed in accordance with the following schedule:
 - a. Upon completion of detailed plans, special provisions, proposals and estimate of cost - being the work required by paragraphs 1a through 1g under THE ENGINEER AGREES - to the satisfaction of the LA and their approval by the DEPARTMENT, 90 percent of the total fee due under this AGREEMENT based on the approved estimate of cost.
 - b. Upon award of the contract for the improvement by the LA and its approval by the DEPARTMENT, 100 percent of the total fee due under the AGREEMENT based on the awarded contract cost, less any amounts paid under "a" above.

By Mutual agreement, partial payments, not to exceed 90 percent of the amount earned, may be made from time to time as the work progresses.

4. That, should the improvement be abandoned at any time after the ENGINEER has performed any part of the services provided for in paragraphs 1a, through 1h and prior to the completion of such services, the LA shall reimburse the ENGINEER for his actual costs plus _____ percent incurred up to the time he is notified in writing of such abandonment -"actual cost" being defined as in paragraph 2 of THE LA AGREES.
5. That, should the LA require changes in any of the detailed plans, specifications or estimates except for those required pursuant to paragraph 4 of THE ENGINEER AGREES, after they have been approved by the DEPARTMENT, the LA will pay the ENGINEER for such changes on the basis of actual cost plus _____ percent to cover profit, overhead and readiness to serve -"actual cost" being defined as in paragraph 2 of THE LA AGREES. It is understood that "changes" as used in this paragraph shall in no way relieve the ENGINEER of his responsibility to prepare a complete and adequate set of plans and specifications.

It is Mutually Agreed,

1. That any difference between the ENGINEER and the LA concerning their interpretation of the provisions of this Agreement shall be referred to a committee of disinterested parties consisting of one member appointed by the ENGINEER, one member appointed by the LA and a third member appointed by the two other members for disposition and that the committee's decision shall be final.
2. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at his last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all surveys, permits, agreements, preliminary bridge design & hydraulic report, drawings, specifications, partial and completed estimates and data, if any from traffic studies and soil survey and subsurface investigations with the understanding that all such material becomes the property of the LA. The ENGINEER shall be paid for any services completed and any services partially completed in accordance with Section 4 of THE LA AGREES.
3. That if the contract for construction has not been awarded one year after the acceptance of the plans by the LA and their approval by the DEPARTMENT, the LA will pay the ENGINEER the balance of the engineering fee due to make 100 percent of the total fees due under this AGREEMENT, based on the estimate of cost as prepared by the ENGINEER and approved by the LA and the DEPARTMENT.
4. That the ENGINEER warrants that he/she has not employed or retained any company or person, other than a bona fide employee working solely for the ENGINEER, to solicit or secure this contract, and that he/she has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the ENGINEER, any fee, commission, percentage, brokerage fee, gifts or any other consideration, contingent upon or resulting from the award or making of this contract. For Breach or violation of this warranty the LA shall have the right to annul this contract without liability.
5. **All provisions of the LA's Request for Qualifications and Proposals dated January 25, 2010 and the ENGINEER'S revised Statement of Qualifications and Proposal dated April 20, 2010 shall remain in full force and effect. (These referenced documents are attached and include scope of services, work effort, and fees.) Total compensation amount is not to exceed the amount of \$144,768.96.**

IN WITNESS WHEREOF, the parties have caused the AGREEMENT to be executed in quadruplicate counterparts, each of which shall be considered as an original by their duly authorized officers.

Executed by the LA:

Village of Lombard _____ of the
(Municipality/Township/County)

ATTEST:

State of Illinois, acting by and through its

By _____

Clerk

By _____

(Seal)

Title _____

Executed by the ENGINEER:

ATTEST:

By _____

By _____

Title _____

Title _____

Approved
_____ Date
Department of Transportation
_____ Regional Engineer

**Madison Street at Illinois Route 53
Cost Estimate - Phase I Engineering Services**

	Personnel & Hours													Total Hours	% of Hours	Total Cost		
	Project Manager (Eng. VI)	Geom. Engineer (Eng. V)	Traffic Engineer (Eng. IV)	Civil Engineer (Eng. III)	Env. Res. Specialist (ERS IV)	Survey Manager (Sur. V)	Survey Lead (Sur. IV)	Project Surveyor (Sur. III)	Project Surveyor (Sur. II)	Staff Surveyor (Sur. I)	Asst CAD Manager (Cad III)	CAD Technician (Cad II)	GIS Specialist (GIS III)					
Phase I																		
Rate 1	\$69.85	\$68.55	\$47.48	\$37.79	\$45.75	\$68.50	\$49.25	\$40.75	\$31.75	\$27.10	\$43.25	\$40.16	\$38.00		58	4.7%	\$2,479.26	
Task 1 - Data Collection	4			34	20										40	3.2%	\$1,900.84	
Task 2 - Watermain Extension Study	4		24	12								12			24	1.9%	\$909.48	
Task 3 - Mosaics						8	40	32	100	100					280	22.5%	\$9,707.00	
Task 4 - Topographic Survey	8			20	20										48	3.9%	\$2,229.60	
Task 5 - Environmental Review/Coordination	8			190											238	19.1%	\$9,491.70	
Task 6 - Local Drainage Study	12	10	20	60							6				114	9.1%	\$4,994.76	
Task 7 - Roadway Geometry	2		4	34											40	3.2%	\$1,658.76	
Task 8 - Traffic Maintenance Analysis	2			40											56	4.5%	\$2,287.10	
Task 9 - Intersection Design Study	2			8											8	0.6%	\$302.32	
Task 10 - Geotechnical Investigations 2	4	12		94											110	8.8%	\$4,534.26	
Task 11 - Project Development Report	6	6		52	6						6				108	8.5%	\$4,474.28	
Task 12 - Public Involvement	32	24		68											124	10.0%	\$6,210.12	
Task 13 - Project Coordination															0	0.0%	\$0.00	
															0	0.0%	\$0.00	
															0	0.0%	\$0.00	
															0	0.0%	\$0.00	
Subtotal	82	60	44	612	46	8	40	32	100	100	12	98	12	1248				
% of Hours	6.6%	4.8%	3.5%	49.1%	3.7%	0.6%	3.2%	2.6%	8.0%	8.0%	1.0%	7.9%	1.0%	100.0%				
Total Cost	\$5,727.70	\$3,513.00	\$2,089.12	\$23,127.48	\$2,104.50	\$548.00	\$1,970.00	\$1,304.00	\$3,175.00	\$2,710.00	\$519.00	\$3,935.68	\$456.00				\$51,179.48	
Multiplier 3	2.76																	
Direct Costs 4																	\$141,295.36	
Total Cost																	\$144,788.96	

1 Current 2010 Average Rates on file with IDOT.
 2 Geotechnical Investigations to be completed by the Village of Lombard on-call geotechnical consultant. Hours included for review and coordination.
 3 Multiplier includes current IDOT approved overhead rate of 140.83%.
 4 See attached direct cost detail sheet.

