

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: Scott Niehaus, Village Manager

DATE: April 11, 2017 (COW) (B of T) **Date:** April 20, 2017

TITLE: Roosevelt and Finley Intersection Improvements
Design Engineering Supplement

SUBMITTED BY: David Gorman, PE, Assistant Director of Public Works *DGT*

BACKGROUND/POLICY IMPLICATIONS:

Supplement for CIP roadway project that includes roadway widening, striping, and traffic signal installation improvements.

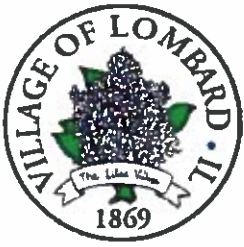
FISCAL IMPACT/FUNDING SOURCE:

Total Supplement Amount: \$34,981.09
Project Number: ST-17-05/06 Roosevelt and Finley Improvements Des. Eng.
Account: CIP Construction Engineering Fund: 410.710.725.75410

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: Village President and Board of Trustees
 From: David Gorman, PE, Assistant Director of Public Works *DG*
 Through: Carl S. Goldsmith, Director of Public Works *CSG by DPG*
 Date: April 12, 2017
 Subject: Roosevelt/Finley Improvements– Design Engineering Supplement

The Roosevelt and Finley Intersection Improvements project includes roadway capacity analysis, intersection improvements, interconnected signalization, and additional geometric capacity at two intersections. Proposed major redevelopment at 345 W. Roosevelt precipitated this project to be completed. Substantial completion for the redevelopment is scheduled for 2017, and these intersection improvements are required for the redevelopment to be approved.

Design engineering of the project has been ongoing for several months. However, unexpected reviews and subsequent delays for the Illinois Department of Transportation's approval have been encountered. Such items were not anticipated within the original contract with Christopher B. Burke Engineering. Based on these items, Christopher B. Burke Engineering requested a single supplement of 34,981.09 for the Village's consideration. The Village project team awaits final project approvals from the Illinois Department of Transportation.

Project Phase	Amount
Board Approved Preliminary/Design Engineering	\$231,946
Proposed Design Engineering Supplement	\$34,981
Board Approved Construction Contract	\$1,442,479
Board Approved Construction Observation	\$150,000
Total Board Approved/Proposed Project Costs	\$1,859,406

Please present this agreement and resolution for a Design Engineering services supplement to the Village President and Board of Trustees for their review at their regular meeting of April 20, 2017. If approved, please return two original signed copies of the agreement to Public Works–Engineering for further processing.

R E S O L U T I O N
R _____ 17

**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 the Roosevelt and Finley Intersection Improvements project as attached hereto; and

WHEREAS, the Corporate Authorities deem it to be in the best interest of the Village of Lombard to approve such 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 as attached hereto.

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

Adopted this 20th day of April, 2017.

Ayes: _____

Nays: _____

Absent: _____

Approved this 20th day of April, 2017.

Keith Giagnorio
Village President

ATTEST:

Sharon Kuderna
Village Clerk



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

March 24, 2017

Village of Lombard
255 East Wilson Avenue
Lombard, IL 60148-3969

Attention: Mr. Matthew Lew, PE, Civil Engineer

Subject: IL 38/Finley Road Intersection Improvements
Contract ST-17-05/06

Dear Mr. Lew:

Per our discussion, this letter outlines additional services not included in our original scope. The following out of scope items were performed in order to complete the project for bid advertisement:

1. CBBEL assisted the Village to negotiate the project's scope with IDOT staff. At the August 2016 kick-off meeting, IDOT staff requested that the project be expanded beyond the extents recommended by the KLOA Traffic Study. CBBEL prepared plan exhibits and drafted 50'-spaced cross sections along the north side of Roosevelt Road to demonstrate that extending the westbound right turn lane at Finley Road was not feasible; IDOT subsequently dropped this request. IDOT requested that the eastbound right turn lane at Finley Road be significantly extended; CBBEL prepared plan exhibits and drafted 50'-spaced cross sections along the south side of Roosevelt Road to demonstrate that the extended lane could not exceed 400 feet in length. CBBEL continues to evaluate and then decline IDOT review comments on the Village's behalf that would otherwise result in significant construction costs or delays, such as IDOT's request that the Village-owned 48" trunk sewer be relocated out from under the IL 38 pavement.
2. CBBEL made plan changes as needed to show expansions of the project scope where directed by the Village, sometimes after undertaking negotiations with IDOT staff to try to void the request. For example, at the August 2016 kick-off meeting, IDOT staff requested that the Mariano's entrance be widened to provide dual northbound left turning lanes, in addition to the planned northbound right turn lane and southbound receiving lane. After setting forth arguments against IDOT's request, CBBEL and the Village agreed to implement the change to keep the project moving forward.
3. CBBEL has met exceptional demands from IDOT reviewers regarding the processing and completeness of the preliminary engineering documents (Intersectional Design

Studies and ADA details). IDOT insisted that Saturday a.m., mid-day and p.m. peak hour Levels of Service be calculated and displayed in the IDS's. This is a new requirement by IDOT, as witnessed by the fact that CBBEL had to create a non-IDOT base sheet to contain all the information. CBBEL has tried to make each IDS submittal complete and acceptable; however, rather than retire previous comments so that this process can draw to a close, IDOT generates new review comments with each submittal.

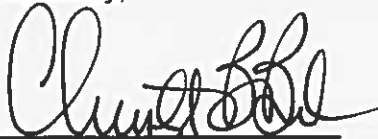
Please note that CBBEL and the Village have worked cooperatively to reduce the impact of the above items on the project schedule and budget. For example, CBBEL decreased the planned amount of field surveying and has relied extensively on surveys performed by Manhard Consulting and by the Village to develop the plans. As a second example, it appears the Village will not request CBBEL to assist with any public informational meetings.

The following out of scope items will be required to complete the project:

1. Construction Revision to update the bid documents after the bid opening date of March 27, 2017. Prior to receiving IDOT approval of the IDS's and roadway / traffic signal improvement plans, CBBEL and the Village agreed that an early Spring bid advertisement date was necessary so that construction can be completed in time for Mariano's grand opening. We believe the bid documents we prepared for advertisement were complete; however, based on comments recently received from IDOT, further changes will be necessary in order for IDOT to grant approval to the improvement project. For example, more inlets must be constructed since IDOT will allow only 4' encroachment on the pavement of "high-traffic roadways", and IDOT has declined our response that IL 38 is not a high-traffic roadway as defined by the BDE Manual. Our Supplement request contains an estimate of the effort needed to revise the roadway plans, drainage plans, other plans and cross sections, quantities, and construction cost tabulation, so as to furnish one large Construction Revision to address this issue.
2. CBBEL understands that the Village is considering making arrangements to secure either permanent R.O.W. dedications or permanent easements from Bradford in the vicinity of the proposed traffic signals, and that this signal equipment may be shifted to slightly different locations. In particular, the IL 38/Finley Road controller may be relocated to the southeast corner of the intersection. Our request includes an estimate of the effort needed to revise the traffic signal plans and quantities to incorporate this change.

Please see the attached spreadsheet which outlines the hours and fee to complete the additional scope tasks. Please call me if you have any questions or require more detail regarding the additional scope.

Sincerely,



Christopher B. Burke, PhD, PE
President

Accepted by:

Mr. Keith Giagnorio
Village President

Roosevelt Road (I138) / Finley Road Improvements
 Contract Document No. ST-17-05/06
 Supplement Request for Extra Design Engineering Services
 March 24, 2017

Task	Personnel & Hours													Total Hours	% of Hours	Total Cost					
	Project Manager (Eng. VI)	Project Engineer (Eng. V)	Project Engineer (Eng. IV)	Design Engineer (Eng. III)	Design Engineer (Eng. III)	Design Engineer (Eng. III)	Landscape Architect	Environ Resource (IV)	Water Resource (IV)	Survey Manager (Sur. V)	Survey Lead (Sur. IV)	Project Surveyor (Sur. III)	Project Surveyor (Sur. II)				Project Surveyor (Sur. I)	CAD Manager	CAD Technician (Cad II)	Admin	
Task 1 - IDOT scope negotiations worksheets	12	8																34	13.6%	\$1,901.94	
Task 2 - Project Expansion due to IDOT Comments	4	12	8	6											3	20		53	21.2%	\$2,629.91	
Task 3 - Additional IDOT Reviews and Level of Detail	4	8	16	8											2	18		56	22.4%	\$2,723.60	
Task 4 - Construction Revision to Secure IDOT Approval	4	12	8	16											2	24		66	26.4%	\$3,148.66	
Task 5 - Traffic Signal Constr. Revision in Expanded ROW	4	8	10	3												16		41		\$2,042.30	
Subtotal	28	48	42	45	0	0	0	0	0	0	0	0	0	0	9	78	0	250			
% of Hours	11.2%	19.2%	16.6%	18.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	31.2%	0.0%	100.0%			
Total Cost	\$1,960.00	\$2,856.88	\$2,041.20	\$1,804.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$469.17	\$3,312.66	\$0.00			\$12,446.41	
Multiplier																					\$34,352.09
Direct Costs (per attached Worksheet)																					\$629.00
Total Cost																					\$34,981.09

Current 2014 Average Rates on file with IDOT.

Roosevelt Road (I138) / Finley Road Improvements
 Contract Document No. ST-17-05/06
 Direct Cost Estimate

Task	Outside												Total Direct Costs	
	Messenger/Fed Ex Each @ \$25	81/2 x 11 BW Copies Pages @ 0.08	81/2 x 11 Color Laser Pages @ 0.90	11x17 BW copies Pages @ 0.12	Color Inkjet Plots Sq Ft @ 2.40	11x17 Color Laser Pages @ 1.5	Plan Sheet BW Copies Ea @ 0.80	11x17 Color Laser		Color Inkjet Plots		Plan Sheet BW Copies		
	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost	Cost
Task 1 – IDOT scope negotiations w/exhibits	2	\$50.00	10	\$0.80	\$0.00	30	\$3.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$54.40
Task 2 – Project Expansion due to IDOT Comments	1	\$25.00	20	\$1.60	\$0.00	20	\$2.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.00
Task 3 – Additional IDOT Reviews and Level of Detail		\$0.00	100	\$8.00	\$0.00	350	\$42.00	\$0.00	\$0.00	\$0.00	\$0.00	350	\$280.00	\$330.00
Task 4 – Construction Revision to Secure IDOT Approval	2	\$50.00	70	\$5.60	\$0.00	90	\$10.80	\$0.00	\$0.00	\$0.00	\$0.00	180	\$144.00	\$210.40
Task 5 – Traffic Signal Constr. Revision in Expanded ROW		\$0.00	50	\$4.00	\$0.00	10	\$1.20	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$5.20
TOTALS:	5	\$125.00	250	\$20.00	0	\$0.00	\$60.00	\$0.00	\$0.00	\$0.00	\$0.00		\$424.00	\$629.00

* Distance to Project Site: Approximately 16 Miles