

**VILLAGE OF LOMBARD**  
**REQUEST FOR BOARD OF TRUSTEES ACTION**  
For Inclusion on Board Agenda

    X     Resolution or Ordinance (Blue)        X     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:** July 13, 2016 (COW) (B of T)    **Date:** July 21, 2016

**TITLE:** Roosevelt and Finley Intersection Improvements  
Design Engineering

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

**BACKGROUND/POLICY IMPLICATIONS:**

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

**FISCAL IMPACT/FUNDING SOURCE:**

Total Contract Amount: \$231,945.39  
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:** Scott Niehaus, Village Manager  
**From:** David Gorman, PE, Assistant Director of Public Works *DG*  
**Date:** July 13, 2016  
**Subject:** Roosevelt and Finley Improvements—Design Engineering

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Roosevelt and Finley Intersection Improvements is a new project not included within the current 2016-2025 Capital Improvement Program. The project entails roadway capacity analysis, intersection improvements, interconnected signalization, and additional geometric capacity at two intersections. The project has approximately \$1.15 million local funding budgeted for construction and \$150,000 for design engineering.

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. Based on recent proposed redevelopment, the Village and a developer have negotiated with the Illinois Department of Transportation (IDOT) regarding a portion within and outside the Finley Road intersection. IDOT has granted preliminary approval for the project.

A Request For Proposal (RFP) was sent to all eligible firms on the 2016 Design Engineering Shortlist. Christopher B. Burke Engineering was determined to be the most qualified firm and was the design engineer for the IL Route 53 at Madison Street and other Village projects. The project scope and fee was directly negotiated with Christopher Burke and agreed to by both parties.

This work will be performed for a total engineering fee not to exceed \$231,946. The engineering costs will be paid through the Capital Project Fund. The proposed CIP budgets \$150,000 in FY 2017 for Design Engineering and is thereby over budget.

Please present this agreement and resolution for Design Engineering services to the President and Board of Trustees for their review at their regular meeting of July 21, 2016. If approved, please return two original signed copies of the agreement to Public Works—Engineering for further processing.

Roosevelt Road (I 38) / Finley Road Improvements  
 Contract Document No. ST-17-05/06  
 Cost Estimate for Design Engineering Services  
 July 1, 2016

Rate <sup>1</sup>	Personnel & Hours														Total Hours	% of Hours	Total Cost
	Project Manager (Erg. VI)	Project Engineer (Erg. V)	Project Engineer (Erg. IV)	Design Engineer (Erg. III)	Design Engineer (Erg. II)	Design Engineer (Erg. I)	Landscapist Architect	Environ Resource (IV)	Water Resource (IV)	Survey Manager (Sur. V)	Survey Lead (Sur. IV)	Project Surveyor (Sur. III)	Project Surveyor (Sur. II)	Staff Surveyor (Sur. I)			
	\$70.00	\$59.56	\$49.90	\$40.10	\$29.63	\$48.50	\$48.25	\$48.60	\$70.00	\$59.00	\$50.50	\$35.77	\$25.45	\$2.13	\$42.47	\$28.18	
Task 1 - Project Kickoff Meeting	4	4	10	2										1	1	2	24
Task 2 - Data Review and Utility Coordination		1	5	16										6	10	4	42
Task 3 - Geotechnical Investigation and Report		1	3	12					1	5		4		3	5	2	36
Task 4 - Topographic Survey and Right-of-Way Verification									2	28	2	10	10				58
Task 4b - Right-of-Way Verification									4	8	8	32	32				30
Task 4c - Utility Survey									4	8	8	32	32				131
Task 4a - Topographic Surveys		7	16	4													
Task 5 - Preliminary Plan and Profile Drawings and IDS's																	
Task 5a - Refined Preliminary Geometrics & Estimates	2	4	12	34	6	2								16	10		86
Task 5b - IDS's for IL 38/Finley and IL 38/Martano's	18				60									12	112		200
Task 5c - Traffic Signal Design	32				160									24	184		400
Task 6 - Preliminary Contract Documents and Cost Estimate (85% Submittal)	1	20	4	141	24	2	8							58	52		310
Task 7 - Pre-final Plans, Specifications and Final Cost Estimate (95% Submittal)	7	8	11	54	10	2	8							24	16	10	150
Task 8 - Final Plans, Specifications and Final Cost Estimate (100% Submittal)	4	2	32	6	4	1	20	3						14	10	4	100
Task 9 - Permit Submittals	3	5	35	14			25							8	16	4	110
Task 10 - Public/Agency Coordination Meetings	12	4	12	6										8	4	4	50
Subtotal	81	56	140	449	108	7	20	44	7	41	10	54	50	196	432	30	1725
% of Hours	4.7%	3.2%	8.1%	26.0%	6.3%	0.4%	1.2%	2.6%	0.4%	2.4%	0.6%	3.1%	2.9%	11.4%	25.0%	1.7%	100.0%
Total Cost	\$5,870.00	\$3,335.36	\$6,904.00	\$18,004.90	\$3,200.04	\$339.50	\$965.00	\$2,138.40	\$490.00	\$2,419.00	\$505.00	\$1,931.58	\$1,272.50	\$10,217.48	\$18,347.04	\$845.40	\$75,980.20
Multipier																	2.76
By Others (Geotechnical Sampling and Report)																	\$209,705.35
Direct Costs (per attached Worksheet)																	\$19,150.00
Direct Costs (4 Title Reports for ROW verification)																	\$1,490.04
Total Cost																	\$231,945.39

<sup>1</sup> Current 2014 Average Rates on file with IDOT

Roosevelt Road (I 38) / Finley Road Improvements  
Contract Document No. ST-17-05/06  
Direct Cost Estimate

Task	In-House		Outside										Total Direct Costs				
	Mileage @ 0.54	Cost	Messenger/Fed Ex Each @ \$25	8 1/2 x 11 BW Copies Pages @ 0.08	Cost	8 1/2 x 11 Color Laser Pages @ 0.90	Cost	11x17 BW copies Pages @ 0.12	Cost	Color Inlet Plots Sq Ft @ 2.40	Cost	11x17 Color Laser Pages @ 1.5	Cost	Plan Sheet BW Copies E & @ 0.80	Cost	Outside Totals	Total Direct Costs
Task 1 - Project Kickoff Meeting	48	\$25.92	4	25	\$2.00		\$0.00		\$0.00		\$0.00		\$0.00	4	\$3.20	\$5.20	\$31.12
Task 2 - Data Review and Utility Coordination		\$0.00		20	\$1.60		\$0.00	10	\$1.20		\$0.00		\$0.00		\$0.00	\$102.80	\$102.80
Task 3 - Geotechnical Investigation and Report	32	\$17.28			\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$17.28
Task 4 - Topographic Survey and Right-of-Way Verification	32	\$17.28			\$0.00		\$0.00	10	\$1.20		\$0.00		\$0.00		\$0.00	\$1.20	\$18.48
Task 4b - Right-of-Way Verification	16	\$8.64			\$0.00		\$0.00	20	\$2.40		\$0.00		\$0.00		\$0.00	\$2.40	\$28.32
Task 4a - Topographic Surveys	48	\$25.92			\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$25.92
Task 5 - Preliminary Plan and Profile Drawings and IDS's		\$0.00			\$0.00		\$0.00	5	\$0.60		\$0.00		\$0.00		\$0.00	\$0.60	\$0.60
Task 5a - Revised Preliminary Geometrics & Estimates		\$0.00	3		\$0.00		\$0.00	15	\$1.80		\$0.00		\$0.00	15	\$12.00	\$68.80	\$68.80
Task 5b - IDS's for I, 30/Finley and I, 38/Merlano's		\$0.00			\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$0.00
Task 5c - Traffic Signal Design		\$0.00			\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	\$0.00	\$0.00
Task 6 - Preliminary Contract Documents and Cost Estimate (65% Submittal)		\$0.00	3		\$14.40		\$0.00	130	\$15.60		\$0.00		\$0.00	130	\$104.00	\$209.00	\$209.00
Task 7 - Preliminary Plans, Specifications and Final Cost Estimate (65% Submittal)	32	\$17.28	3		\$28.80		\$0.00	420	\$50.40		\$0.00		\$0.00	130	\$104.00	\$258.20	\$275.48
Task 8 - Final Plans, Specifications and Final Cost Estimate (100% Submittal)	16	\$8.64	3		\$28.80		\$0.00	210	\$25.20		\$0.00		\$0.00	420	\$336.00	\$485.00	\$473.64
Task 9 - Permit Submittals	32	\$17.28	1		\$12.00		\$0.00	130	\$15.60		\$0.00		\$0.00	80	\$64.00	\$116.60	\$133.88
Task 10 - Public/Agency Coordination Meetings	80	\$43.20		105	\$8.40		\$0.00		\$0.00	20	\$48.00		\$0.00		\$0.00	\$56.40	\$99.60
<b>TOTALS:</b>	<b>336</b>	<b>\$181.44</b>	<b>17</b>	<b>\$425.00</b>	<b>\$96.00</b>	<b>0</b>	<b>\$0.00</b>	<b>970</b>	<b>\$116.40</b>	<b>\$48.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$623.20</b>	<b>\$1,308.60</b>	<b>\$1,490.04</b>	

\* Distance to Project Site: Approximately 16 Miles

CIVIL MANHOUR ESTIMATE										
	TOTAL	JGS	ROZ	VMR	JDS	CADD	Admin	Survey	Electrical	Engr I-II
<b>Task 1 – Project Kickoff Meeting</b>										
Arrange, attend, minute Kick-Off Meeting in July, 2016 with Village staff. Bring exhibits		2	2	4	1	1				
Arrange, attend, minute IDOT Kick-Off Meeting in July, 2016, with exhibits		1	2	3		1	1			
Arrange, attend, minute meeting with Glen Elynn: exhibits		1		3	1		1			
	24	4	4	10	2	2	2	0	0	0
<b>Task 2 – Data Review and Utility Coordination</b>										
Collect, examine, review and evaluate Village data: water, sewer, street lighting and traffic signal utility maps				2	6	10				
Review Village contract stds and design details			1	2						
JULIE Notification, contact letters to utilities					2	3	15			
Letter for Village to request As-Built Plans from IDOT-Bureau of Maintenance			1				0.5			
2nd round contact letters to utilities					2	2	1			
3rd round contact letters to utilities, evaluate relocations				2	4	11	1			
9th floor - also review KLOA & revise	42	0	1	5	16	16	4	0	0	0
<b>Task 3 – Geotechnical Investigation and Report</b>										
Review borings; stake & then shoot in locations				1	2			10		
Evaluate, draft in undercuts, use report to design pavt				2	6	4				
Prepare geotech plan and/or append TSC report to Specs			1		4	4	2			
	36	0	1	3	12	8	2	10	0	0
<b>Task 4 – Topographic Survey and Right-of-Way Verification</b>										
Review Village elec atlases, determine wire runs									6	
Prepare lighting relocation plan & spec; field visit?									18	
Compile all info into existing conditions base map			1	2	4	8				
plus Survey Dept. hours	39	0	1	2	4	8	0	0	24	0
<b>Task 5 – Preliminary Plan and Profile Drawings</b>										
Revise concept plan, develop a profile for pavement widening, curb and gutter removal/replacement, and sidewalk restoration		1	2	4	16	24				
Cooperate w/IDS preparation, adjust geom., assist IDS's				6	12	2				
Take off prelim quantities, develop Estimates of construction cost and time		1	2	2	6					8
plus IDS hours	86	2	4	12	34	26	0	0	0	8
<b>Task 6 – Preliminary Contract Documents and Cost Estimate (65% PS&amp;E)</b>										
1 Title Sheet					2	2				
1 General Notes/Index of Standards				2	4	2				
2 Summary of Quantities				1	6	2				
4 Schedules of Quantities				1	12	2				
2 Typical Sections				1	10	2				
1 Alignment, Ties and Benchmarks				1	4	2				
2 Existing Conditions and Removal Plans				1	20	12				
5 Maintenance of Traffic Notes, Typical, and Plans				2	32	10				
2 Roadway Plans and Profiles				1	16	16				
2 Drainage Plans and Profiles				2	20	16				
1 Temporary Erosion Control Plans				1	4	8				
6-7 Construction Details				1	3	4				
2 Landscaping / Pavement Marking Plans				1		8				
10 Cross Sections				2	6	24				
Assemble IDOT standard pay items, list special provisions				4						
Adjust/refine quantities, estimate of construction cost, estimate of time		1	2		12					24
plus Signal Sheets hours	310	1	20	4	151	110	0	0	0	24
<b>Task 7 – Pre-final Plans, Specifications &amp; Estimates (95%)</b>										
Meet w/Village to discuss, clarify and agree on the disposition of review comments		2	2	3			1			
Meet with Glen Elynn, IDOT as needed		4	5	4			1			
Revise; develop the 65% into the 95% PS&E		1	1	4	48	40				6
Prepare Draft Contractor Proposal booklet w/instructions to bidders, bid forms, bonding/insurance requirements, SP's, all applicable State/Federal compliance requirements					16		8			4
plus Signal Sheets hours	150	7	8	11	64	40	10	0	0	10
<b>Task 8 – Final Plans, Specifications &amp; Estimates (100%)</b>										
Make final revisions to the 95% based on review comments		1	1	4	20	24				
Append SWPPP, permits, and geotechnical reports				24			4			
Provide plans & specifications to Village in the requested hard copy and electronic format										8
Attend the pre-bid meeting (if held)		2		2	2					
Attend the bid opening				2						
Review the Village-compiled bid tabs, review two lowest bidders' references, make award recommendations to Village		1	1		4					
plus Signal Sheets hours	100	4	2	32	26	24	4	0	0	8
<b>Task 9 – Permit Submittals</b>										
Prepare, submit application for IDOT Construction Permit		1	5	2			1			
Prepare, submit application for DuPage County Stormwater Management Permit		2	25	31	12	24	2			
Prepare, submit application for IEPA Construction Permit (watermain)				2	2		1			
plus 9th floor Energy Agreement hours	110	3	30	35	14	24	4	0	0	0
<b>Task 10 – Public/Agency Coordination Meetings</b>										
Meet with Village, Glen Elynn, IDOT, others if needed to exchange information, discuss issues, etc. Assume 4 monthly mtgs., from Sept to Dec. Prepare minutes		8	4	8	2	2	4			
Prepare exhibits for Public Information Meeting, attend, briefly present; assist the Village with answering questions		4		4	4	10				
	50	12	4	12	6	12	4	0	0	0

**RESOLUTION**  
**R \_\_\_\_\_ 16**

**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 marked Exhibit "A"; 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 21<sup>st</sup> day of July, 2016.

Ayes: \_\_\_\_\_

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

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

Approved this 21<sup>st</sup> day of July, 2016.

\_\_\_\_\_  
**Keith Giagnorio**  
**Village President**

ATTEST:

\_\_\_\_\_  
**Sharon Kuderna**  
**Village Clerk**

**VILLAGE OF LOMBARD  
CONTRACT**

**CONTRACT DOCUMENT NUMBER ST-17-05/06**

This agreement is made this 21<sup>st</sup> day of July, 2016, between and shall be binding upon the VILLAGE of Lombard, an Illinois municipal Corporation hereinafter referred to as the "VILLAGE" and Christopher B. Burke Engineering, Ltd. hereinafter referred to as the "ENGINEER" and its successors.

Witnessed, that in consideration of the mutual promises of the parties delineated in the contract documents, the ENGINEER agrees to perform the services, and the VILLAGE agrees to pay for the following services as set forth in the contract documents:

**Design Engineering Services for Roosevelt and Finley Intersection Improvements**

1. This contract shall embrace and include all the applicable contract documents listed below as if attached hereto or repeated herein:
  - a. VILLAGE'S Request for Qualifications for Short-List for Engineering Services Dated December 13, 2013
  - b. ENGINEER'S Statement of Qualifications and Proposal Dated June 20, 2016
  - c. ENGINEER'S Revised Proposal Submittal Dated July 1, 2016
  - d. Required Certificates and Signatures and Certificate of Insurance
2. The VILLAGE agrees to pay, and the ENGINEER agrees to accept as full payment for the services which are the subject matter of this contract in accordance with the General Provisions.
3. This Contract represents the entire agreement between the parties and may not be modified without the written approval of both parties.

IN WITNESS WHEREOF, the Village of Lombard, Illinois by the Village President, and the ENGINEER have hereunto set their hands this 21<sup>st</sup> day of July, 2016.

If an individual or partnership, all individual names of each partner shall be signed or if a corporation, an officer duly authorized shall sign here:

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Christopher B. Burke Engineering, Ltd

Accepted this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

Individual or Partnership \_\_\_\_\_ Corporation \_\_\_\_\_

\_\_\_\_\_  
By Position/Title

\_\_\_\_\_  
By Position/Title

THE VILLAGE OF LOMBARD, ILLINOIS

Accepted this 21<sup>st</sup> of July, 2016.

\_\_\_\_\_  
Keith Giagnorio  
Village President

Attest: \_\_\_\_\_  
Sharon Kuderna  
Village Clerk



**VILLAGE OF LOMBARD  
ENGINEER'S CERTIFICATION**

\_\_\_\_\_, having been first duly sworn depose and states as follows:  
(Officer or Owner of Company)

Christopher B. Burke Engineering, Ltd, having submitted a proposal for Roosevelt and Finley Intersection Improvements to the Village of Lombard, hereby certifies that said ENGINEER:

1. has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105(A) (4).
2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:
  - a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the approve Revenue Act; or
  - b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.
3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382 and that

\_\_\_\_\_  
(Name of employee/driver or "all employee drivers")  
is/are currently participating in a drug and alcohol testing program pursuant to the aforementioned rules.

By: \_\_\_\_\_  
Officer or Owner of Company named above

Subscribed and sworn to  
before me this \_\_\_\_\_  
day of \_\_\_\_\_, 2016.

\_\_\_\_\_  
Notary Public