





**To:** Scott Niehaus, Village Manager  
**From:** David Gorman, PE, Assistant Director of Public Works *DG*  
**Through:** Carl Goldsmith, Director of Public Works *CG*  
**Date:** September 27, 2016  
**Subject:** 2016 Traffic Signal Modernization Program– Construction Contract

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To address deficiencies in the Village traffic signal network, the current Capital Improvement Program has a new five year Traffic Signal Modernization Program starting in 2016 through 2020. It will repair and upgrade twenty-four currently incandescent intersections to uninterrupted power supplies, LED signal heads, and ADA compliant push buttons and pedestrian countdown timers. In addition, the program will create a more resilient signal network, save energy costs to the Village through energy efficient LED technologies, and promote a triple bottom line project approach. The 2016 program will upgrade six intersections in the downtown area.

Instead of a standard Village bid project, Village staff noted a similar DuPage County (County) program and contacted the County to obtain information. While the Village was unable to join the program directly, the lowest responsible bidder was H&H Electric Company, the current traffic signal maintenance contractor. H&H Electric agreed to extend the County unit prices for the majority of the items, and this agreement lowered expenses compared with the County's Engineer Estimate. Therefore, the Village contract is using a publically bid procedure, and below is a fiscal summary of the program. While the Village received pricing from the County's bid process, a few items differed in cost due to Village program parameters. As such, Village staff is recommending a waiver of bid on this item.

Organization	Amount
<b>H&amp;H Electric Co.</b>	<b>\$78,649.80</b>
<b>Project Budget</b>	<b>\$85,600.00</b>

Work will be performed and completed within 30 calendar days from the date of issuing the Notice to Proceed. Payments to the Contractor will be based on the actual work performed at the awarded contract unit prices. The Engineering Division recommends waiving the competitive bidding process and awarding this contract to H&H Electric Co. in the amount of \$78,649.80 and is under estimate and budget.

Please present this item to the President and Board of Trustees for their review and approval at their regular meeting on October 6, 2016. If approved, please return the executed copies of the contract and bond to PW Engineering for further processing.



ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE	TOTAL PRICE
2	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	24.000	471.80	11,323.20
3	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	20.000	568.00	11,360.00
4	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	11.000	436.70	4,803.70
5	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	10.000	774.80	7,748.00
6	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	17.000	566.30	9,627.10
7	TRAFFIC SIGNAL BACKPLATE, LOUVERED, PLASTIC	EACH	28.000	135.30	3,788.40
11 (AUP 5)	MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	6.000	635.70	3,814.20
12 (AUP 4)	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1.000	18,316.20	18,316.20
TOTALS					78,649.80

DuPage County Division of Transportation  
Project: 2016 Traffic Signal LED Upgrade    Sec. No: 16-TSUPG-00-GM  
Date of Letting: February 23, 2016 10:00 A.M.

Item No.	Items	Unit	Quantity
1	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	50
2	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	24
3	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3
4	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	28
5	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	21
6	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	12
7	SIGNAL HEAD, LED, 2-FACE, 3 SECTION, BRACKET MOUNTED	EACH	17
8	TRAFFIC SIGNAL BACKPLATE, LOUVERED, PLASTIC	EACH	78
9	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	42
10	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	5
11	PEDESTRIAN PUSH-BUTTON	EACH	39
12	MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	15
13	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	15
14	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1
14A	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1
14B	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1
14C	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1
14D	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1
14E	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1
<b>Bidder's Proposal for making Entire Improvements</b>			

**Quantities shown above include Base Bid + Alternates A - E**

Base Bid only
Alternate A: Base Bid + Alternate A
Alternate B: Base Bid + Alternates A & B
Alternate C: Base Bid + Alternates A - C
Alternate D: Base Bid + Alternates A - D
Alternate E: Base Bid + Alternates A - E

Engineer's Estimate		H&H Electric Co. 2830 Commerce Street Franklin Park, IL 60131		Meade, Inc. 9550 W. 55th St., Site A McCook, IL 60525		Thorne Electric, Inc. P.O. Box 321 Wheaton, IL 60187	
Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
\$1,200.00	60,000.00	\$568.00	28,400.00	\$601.70	30,085.00		
\$900.00	21,600.00	\$436.70	10,480.80	\$473.00	11,352.00		
\$1,000.00	3,000.00	\$504.90	1,514.70	\$655.05	1,965.15		
\$1,500.00	42,000.00	\$774.80	21,694.40	\$858.55	24,039.40		
\$1,100.00	23,100.00	\$566.30	11,892.30	\$712.25	14,957.25		
\$1,500.00	18,000.00	\$999.20	11,990.40	\$1,179.75	14,157.00		
\$1,400.00	23,800.00	\$869.50	14,781.50	\$940.50	15,988.50		
\$200.00	15,600.00	\$135.30	10,553.40	\$145.06	11,314.68		
\$800.00	33,600.00	\$471.80	19,815.60	\$474.10	19,912.20		
\$1,500.00	7,500.00	\$882.60	4,413.00	\$824.45	4,122.25		
\$300.00	11,700.00	\$524.60	20,459.40	\$661.46	25,796.94		
\$500.00	7,500.00	\$199.90	2,998.50	\$1,283.95	19,259.25		
\$750.00	11,250.00	\$399.10	5,986.50	\$525.00	7,875.00		
\$7,500.00	7,500.00	\$16,339.90	16,339.90	\$2,100.00	2,100.00		
\$750.00	750.00	\$1,563.70	1,563.70	\$250.00	250.00		
\$750.00	750.00	\$1,015.10	1,015.10	\$250.00	250.00		
\$750.00	750.00	\$982.00	992.00	\$250.00	250.00		
\$750.00	750.00	\$1,271.20	1,271.20	\$250.00	250.00		
\$750.00	750.00	\$1,363.20	1,363.20	\$250.00	250.00		
\$289,900.00		\$187,525.60		\$204,174.62			
						NON-RESPONSIVE	
						NON-RESPONSIVE	
						\$0.00	

\$194,100.00	\$194,100.00	\$127,500.30	\$127,500.30	\$136,955.29	
\$23,200.00	\$217,300.00	\$15,967.50	\$143,367.80	\$17,497.04	\$154,452.33
\$15,000.00	\$232,300.00	\$8,695.90	\$151,953.70	\$9,811.19	\$164,263.62
\$16,400.00	\$248,700.00	\$9,336.10	\$161,289.80	\$10,983.41	\$175,146.93
\$19,400.00	\$268,100.00	\$12,827.60	\$174,117.40	\$14,353.43	\$189,500.36
\$21,800.00	\$289,900.00	\$13,408.20	\$187,525.60	\$14,674.26	\$204,174.62



# VILLAGE OF LOMBARD

## CONTRACT DOCUMENT NUMBER ST-15-06-16

This agreement is made this 6<sup>th</sup> day of October, 2016, between and shall be binding upon the Village of Lombard, an Illinois municipal corporation (hereinafter referred to as the "Village") and H&H Electric Co. (hereinafter referred to as the "Contractor") and their respective successors.

Witnessed, that in consideration of the mutual promises of the parties delineated in the Contract Documents, the Contractor agrees to perform the services and the Village agrees to pay for the following services as set forth in the Contract Documents:

Repair and upgrade six currently incandescent intersections to LED signal heads, ADA compliant push buttons, and pedestrian countdown timers.

1. This contract shall embrace and include all of the applicable Contract Documents listed below as if attached hereto or repeated herein:
  - a. Contract Document Number 16-TSUPG-00-GM for DuPage County Department of Transportation, consisting of the following:
    - i) Cover Sheet
    - ii) Table of Contents
    - iii) General Provisions
    - iv) Special Provisions
    - v) Standard Drawings
    - vi) Traffic Signal Special Provisions
  - b. The Contractor's Bid Proposal Dated: September 26, 2016
  - c. Required Performance and Payment Bonds and Certificate(s) of Insurance
2. The Village agrees to pay, and the Contractor agrees to accept as full payment the amount as shown on the Contractor's Bid Proposal, which is made a part hereof, subject to such additions and deletions as agreed to by the parties hereto.
3. The Contractor shall commence work under this Contract upon written Notice to Proceed from the Village and shall complete work under this contract with a completion date prior to December 31, 2016. Time is of the essence in regard to this Contract, and the Contractor agrees to achieve completion within the time permitted by all proper and appropriate means including working overtime without additional compensation.
4. Pursuant to the provisions of Section 5 of the Mechanics' Lien Act of Illinois, prior to making any payment to the Contractor under this Contract, the Village demands that the Contractor furnish a written statement of the names of all parties furnishing labor and/or materials under this Contract and the amounts due or to become due each. This statement must be made under oath or be verified by affidavit. The Village shall

not issue final payment nor shall any retained percentage become due until releases and waivers of lien have been supplied as the Village designates.

5. 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, and the Contractor have each hereunto caused this Contract to be executed by their respective duly authorized representatives this 6<sup>th</sup> day of October, 2016.

If an individual or partnership, the individual or all partners shall sign or, if a corporation, an officer(s) duly authorized shall sign.

\_\_\_\_\_  
Print Company Name

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

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

\_\_\_\_\_  
By

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

\_\_\_\_\_  
By

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

THE VILLAGE OF LOMBARD, ILLINOIS

Accepted this 6<sup>th</sup> day of October, 2016.

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

Attest:

\_\_\_\_\_  
Sharon Kuderna, Village Clerk

# **VILLAGE OF LOMBARD**

## **CONTRACT BOND**

KNOW ALL MEN BY THESE PRESENTS, that we H&H Electric Co., a company organized under the laws of the State of \_\_\_\_\_ and licensed to do business in the State of Illinois as Principal and \_\_\_\_\_, a corporation organized and existing under the laws of the State of \_\_\_\_\_, with authority to do business in the State of Illinois, as Surety, are now held and firmly bound unto the Village of Lombard, State of Illinois in the penal sum of \_\_\_\_\_ dollars (\$ \_\_\_\_\_) lawful money of the United States, well and truly to be paid unto said Village for the payment of which we bind ourselves, our successors and assigns, jointly, severally, and firmly by these presents.

THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that whereas the said Principal has entered into a written contract with the Village of Lombard, acting through the President and Board of Trustees of said Village, dated October 6, 2016, for the construction of the work designated:

### **2016 Traffic Signal Modernization Program**

in Lombard, Illinois, which contract is hereby referred to and made a part hereof as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work, and has further agreed to guaranty and maintain said work for a one (1) year period following final payment to such Principal, and has further agreed to pay all direct and indirect damages to any person, firm, company, or corporation suffered or sustained on account of the performance of such work during the time thereof and until such work is completed and accepted; and has further agreed that this bond shall inure to the benefit of any person, firm, company or corporation from whom any such labor, materials, apparatus, fixtures or machinery was so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.



NOW, THEREFORE, if the said Principal shall well and truly perform said work in accordance with the terms of said contract and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to him for the purpose of constructing such work and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the Village of Lombard and its officers, agents and employees, harmless on account of any such damages, and shall in all respects fully and faithfully comply with all the provisions, conditions, and requirements of said contract, then upon the final payment by the Village to said Principal under said contract, the amount of this bond shall be reduced to ten percent (10%) of the amount set forth on the first page hereof for a period of one (1) year; otherwise to remain in full force and effect.

NOW, THEREFORE, if the said Principal shall well and truly perform said guaranty and maintenance work in accordance with the terms of said contract for said one (1) year period after final payment and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to him for the purpose of performing such guaranty and maintenance work and shall commence and complete the guaranty and maintenance work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such guaranty and maintenance work during the time of the performance thereof and until the said guaranty and maintenance work shall have been accepted, and shall hold the Village of Lombard and its officers, agents and employees, harmless on account of any such damages, and shall in all respects fully and faithfully comply with all the provisions, conditions, and requirements of said contract, then this obligation to be void; otherwise to remain in full force and effect.

APPROVED this 6<sup>th</sup> day of October, 2016.

VILLAGE OF LOMBARD

BY: \_\_\_\_\_  
Village President

ATTEST:  
\_\_\_\_\_  
Village Clerk

IN WITNESS WHEREOF, We have duly  
executed the foregoing Obligation this  
\_\_\_\_ day of \_\_\_\_\_, 2016.

PRINCIPAL:

\_\_\_\_\_

BY: \_\_\_\_\_

ATTEST:  
\_\_\_\_\_

SURETY: \_\_\_\_\_

BY: \_\_\_\_\_  
(Title)

BY: \_\_\_\_\_  
Attorney in Fact

BY: \_\_\_\_\_

(SEAL)

# VILLAGE OF LOMBARD

## CONTRACTOR'S CERTIFICATION

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

\_\_\_\_\_, having submitted a proposal for:  
(Name of Company)

2016 Traffic Signal Modernization Program to the Village of Lombard, hereby certifies that said Contractor:

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 appropriate 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: \_\_\_\_\_  
Authorized Agent of Contractor

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

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