VILLAGE OF LOMBARD REQUEST FOR BOARD OF TRUSTEES ACTION

For Inclusion on Board Agenda Bids and Proposals

TO :	President and Villag	ge Board of Ti	rustees	
FROM :	Scott Niehaus, Villa	ge Manager		
DATE :	March 18, 2019	_	da Date: Apr	ril 4, 2019
TITLE :	Street Lighting LED	Replacemen	t Project	
SUBMITTED BY:	Tom Ellis, Operatio	ns Superinten	ident, Public	Works M
RESULTS:		D. 1.1. Cl	1 27/4	
	olished N/A	_Bidding Clos	sed N/A	
Total Number of Bi		_		
Total Number of Bi	dders Meeting Speci:	fications	1	
Bid Security Requir	ed		_Yes	XNo
Performance Bond	Required		Yes	X No
Were Any Bids Wit	hdrawn		Yes	X No
Explanation:				
Waiver of Bids Requ	uested?	X Yes		No
If yes, explain:			+	 ;
See attached memo.				
	ded to Lowest	X Yes		No
Responsible Bidder				
If no, explain:				
See attached memo				
FISCAL IMPACT:	•			
	\$61,400.15 420.730.	730 73310 ST	18_03	
Amount of Mwara	p01, 1 00.10 420.750.	730.7331031	10-05	
BACKCROUND/R	RECOMMENDATIO	N.		
See attached memo		714.		
See attached memo				
Has Recommended	Bidder Worked for	Villago Provid	ouely X	Yes No
		village i revio		Yes No
If yes, was quality of	ordance with Public	A at 95 12052		
				_Yes <u>X</u> No
vvalver of blas - Pu	blic Act 85-1295 does	s not apply	<u>X</u>	_Yes
REVIEW (as needed	d):			
Village Attorney XX	•		Date	
	Κ			
Village Manager XX			ъ.	

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Board Agenda distribution.



To:

Scott Niehaus, Village Manager

Through:

Carl Goldsmith, Director of Public Works

From:

Tom Ellis, Operations Superintendent

Date:

March 18, 2019

Subject:

Roadway Lighting LED Replacement Project

Bid specifications were sent to the Master Intergovernmental Cooperative Purchasing Agreement (MICPA) with U.S. Communities Government Purchasing Alliance. Currently 497 communities in Illinois are participating in U.S. Communities Government Purchasing Alliance. The U.S. Communities Government Purchasing Alliance is a program that affords member communities an opportunity to participate in a program whereby a service or commodity is publically bid by a Lead Agency and the results of that competitive solicitation is available to all 90,000 public agencies. The Village used the same process for roofing projects on the Police Department, Village Hall and Public Works buildings. Graybar Electrical submitted the winning bid to US Communities for electrical supplies and fixtures. The bid results are as follows:

Supplier
Graybar Electric

900 Regency Dr Glendale Heights, IL

\$61,400.15

This project consists of retrofitting 217 new LED street lamps fixtures in the existing Cobra head roadway lights. These components will be removed and replaced with 97 watt LED fixtures. A list of suggested lights to be part of this project is attached. Staff estimates an annual savings from electrical usage and maintenance costs of \$22,811.77.

Staff recommends approving the purchase of 100 LED light fixtures from Graybar Electrical through the US Communities contract in the amount of \$61,400.15.

This project will be funded by construction fund account 410.710.725.73310 ST 18-03.



900 REGENCY DR GLENDALE HEIGHTS IL 60139-2287

Phone: 630-893-3600 Fax: 630-671-6600

VILLAGE OF LOMBARD/ELEC To:

255 E. WILSON

LOMBARD IL 60148-3926

Attn: **ROB**

Phone: 000-620-5740

Fax: Email:

Date: 02/12/2019

Proj Name: GB Quote #:

0232044079

Release Nbr:

Purchase Order Nbr:

Additional Ref#

Valid From: 02/12/2019 Valid To: 03/14/2019

Contact: STEPHEN PLELI

Email:

stephen.pleli@graybar.com

Proposal

We Appreciate Your Request and Take Pleasure in Responding As Follows

PRICING BASED ON US COMMUNITIES CONTRACT Notes:

EV-2370

Item	Item/Type	Quantity	Supplier	Catalog Nbr	Description	Price	Unit	Ext.Price
100		217 EA	GENERAL	ELECERL1H10C340D GRAYGL		\$282.95	1	\$61,400.15

Total in USD (Tax not included): \$61,400.15

This equipment and associated installation charges may be financed for a low monthly payment through Graybar Financial Services (subject to credit approval). For more information call 1-800-241-7408 to speak with a leasing specialist.

To learn more about Graybar, visit our website at www.graybar.com

24-Hour Emergency Phone#: 1-800-GRAYBAR

To: VILLAGE OF LOMBARD/ELEC

255 E. WILSON

LOMBARD IL 60148-3926

Attn: ROB

Date: 02/12/2019

Proj Name: GB Quote #:

0232044079

Proposal

We Appreciate Your Request and Take Pleasure in Responding As Follows

GRAYBAR ELECTRIC COMPANY, INC. TERMS AND CONDITIONS OF SALE

- 1. ACCEPTANCE OF ORDER: TERMINATION Acceptance of any order is subject to credit approval and acceptance of order by Graybar Electric Company, Inc. ("Graybar") and, when applicable, Graybar's suppliers. If credit of the buyer of the goods ("Buyer") becomes unsatisfactory to Graybar, Graybar reserves the right to terminate upon notice to Buyer and without liability to Graybar.
- 2. PRICES AND SHIPMENTS Unless otherwise quoted, prices shall be those in effect at time of shipment, which shall be made F.O.B. shipping point, prepaid and bill.
- 3. RETURN OF GOODS Credit may be allowed for goods returned with prior approval. A deduction may be made from credits issued to cover cost of handling.
- 4. TAXES Prices shown do not include sales or other taxes imposed on the sale of goods. Taxes now or hereafter imposed upon sales or shipments will be added to the purchase price. Buyer agrees to reimburse Graybar for any such tax or provide Graybar with acceptable tax exemption certificate.
- 5. DELAY IN DELIVERY Graybar is not to be accountable for delays in delivery occasioned by acts of God, failure of its suppliers to ship or deliver on time, or other circumstances beyond Graybar's reasonable control. Factory shipment or delivery dates are the best estimates of our suppliers, and in no case shall Graybar be liable for any consequential or special damages arising from any delay in shipment or delivery.
- 6. LIMITED WARRANTIES Graybar warrants that all goods sold are free of any security interest and will make available to Buyer all transferable warranties (including without limitation warranties with respect to intellectual property intringement) made to Graybar by the manufacturer of the goods. GRAYBAR MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PURPOSE, UNLESS OTHER WISE AGREED IN WRITING BY AN AUTHORIZED REPRESENTATIVE OF GRAYBAR PRODUCTS SOLD HEREUNDER ARE NOT INTENDED FOR USE IN OR IN CONNECTION WITH (1) ANY SAFETY APPLICATION OR THE CONTAINMENT AREA OF A NUCLEAR FACILITY, OR (2) IN A HEALTHCARE APPLICATION, WHERE THE GOODS HAVE POTENTIAL FOR DIRECT PATIENT CONTACT OR WHERE A SIX (6) FROM THE PARTY OF THE WARMANT WHEN A ILL TIMES.
- 7. LIMITATION OF LIABILITY Buyer's remedies under this agreement are subject to any limitations contained in manufacturer's terms and conditions to Graybar, a copy of which will be firmished upon written request. Furthermore, Graybar's liability shall be limited to either repair or replacement of the goods or refund of the purchase price, all at Graybar's option, and IN NO CASE SHALL GRAYBAR BE LIABLE FOR INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES. In addition, claims for shortee, other than loss in transit, must be made in writting not more than five (5) days after receipt of shipment.
- 8. WAIVER The failure of Graybar to insist upon the performance of any of the terms or conditions of this agreement or to exercise any right hereunder shall not be deemed to be a waiver of such terms, conditions, or rights in the future, nor shall it be deemed to be a waiver of any other term, condition, or right under this agreement.
- 9. MODIFICATION OF TERMS AND CONDITIONS These terms and conditions supersede all other communications, negotiations, and prior oral or written statements regarding the subject matter of these terms and conditions. No change, modification, rescission, discharge, abandonment, or waiver of these terms and conditions shall be binding upon Graybar unless made in writing and signed on its behalf by a duty authorized representative of Graybar. No conditions, usage of trade, course of dealing or performance, understanding or agreement, purporting to modify, vary, explain, or supplement these terms and conditions shall be binding unless hereafter made in writing and signed by the party to be bound. Any proposed modifications or additional terms are specifically rejected and deemed a material alteration hereof. If this document shall be deemed an acceptance of a prior offer by Buyer, sich acceptance or is expressly ponon Buyer's assent to any additional or different terms set forth herein.
- 10. REELS When Graybar ships returnable reels, a reel deposit may be included in the invoice. The Buyer should contact the nearest Graybar service location to return reels.
- 11. CERTIFICATION Graybar hereby certifies that these goods were produced in compliance with all applicable requirements of Sections 6, 7, and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued under Section 14 thereof. This agreement is subject to Executive Order 11246, as amended, the Rehabilitation Act of 1973, as amended, the Vietnam Veterans' Readjustment Assistance Act of 1974, as amended, E.O. 13496, 29 CFR Part 471, Appendix A to Subpart A, and the corresponding regulations, to the extent required by law. 41 CFR 60-1.4, 60-741.5, and 60-250.5 are incorporated herein by reference, to the extent legally required.
- 12. FOREIGN CORRUPT PRACTICES ACT Buyer shall comply with applicable laws and regulations relating to anti-corruption, including, without limitation, (i) the United States Foreign Corrupt Practices Act (FCPA) (15 U.S.C. §878dd-1, et. seq.) irrespective of the place of performance, and (ii) laws and regulations implementing the Organization for Economic Cooperation and Development's Convention on Combating Bribery of Foreign Public Officials in International Business Transactions, the U.N. Convention Against Corruption, and the Inter-American Convention Against Corruption in Buyer's country or any country where performance of this agreement or delivery of goods will occur.
- 13. ASSIGNMENT Buyer shall not assign its rights or delegate its duties hereunder or any interest herein without the prior written consent of Graybar, and any such assignment, without such consent, shall be void.
- 14. GENERAL PROVISIONS All typographical or clerical errors made by Graybar in any quotation, acknowledgment or publication are subject to correction. This agreement shall be governed by the laws of the State of Missouri applicable to contracts to be formed and fully performed within the State of Missouri, without giving effect to the choice or conflicts of law provisions thereof. All suits arising from or concerning this agreement shall be filled in the Circuit Court of St. Louis County, Missouri, or the United States District of Missouri, and no other place unless otherwise determined in Graybar's sole discretion. Buyer hereby irrevocably consents to the jurisdiction of such court or courts and agrees to appear in any such action upon written notice thereof.
- 15. PAYMENT TERMS Payment terms shall be as stated on Graybar's invoice or as otherwise mutually agreed. As a condition of the sales agreement, a monthly service charge of the lesser of 1-1/2% or the maximum permitted by law may be added to all accounts not paid by net due date. Visa, MasterCard, American Express, and Discover credit cards are accepted at point of purchase only.
- 16. EXPORTING Buyer acknowledges that this order and the performance thereof are subject to compliance with any and all applicable United States laws, regulations, or orders. Buyer agrees to comply with all such laws, regulations, and orders, including, if applicable, all requirements of the International Traffic in Arms Regulations and/or the Export Administration Act, as may be amended. Buyer further agrees that if the export laws are applicable, it will not alcolose or re-export any technical data received under this order to any countries for which the United States government requires an export license or other supporting documentation at the time of export or transfer, unless Buyer has obtained prior written authorization from the United States Office of Export Control or other authority responsible for such matters.

Signed:			

This equipment and associated installation charges may be financed for a low monthly payment through Graybar Financial Services (subject to credit approval). For more information call 1-800-241-7408 to speak with a leasing specialist.

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24-Hour Emergency Phone#: 1-800-GRAYBAR



Universal ROI Calculator

An Estimating Tool to Compare Payback of LED Lighting

Click for Wide Screen Version

Please read:

Light levels are NOT calculated or suggested.

This calculator gives payback time, and both the annual and life-time savings figures for energy, maintenance, and CO₂ production. It calculates Lighting Power Density from area of at least 50 square feet per fixture, and provides the maximum fixtures allowed from a target LPD. It's not exclusive to LED, can compare any lighting.

irect if retro	fit, or may be differenc	e (Original - New) if comple utility provider for rate stru	ete new installation	, Include ALL ighting Power	ent) ÷ Investment ×100] fo . COSTs and verify calculation Density (LPD/UPD). Site of	ons before implementi
		v, or select an entry with me r; fill in shaded 7?7 cells as Tab.				
	0.4				ANSI/ASHRAE/IESNA Standard	
		eters for energy statistic	диниционал		Lighting Power Density	
	Original (HID)	Fixture Wattage + Ballast	265 Watts	1,	LPD = Total Watts ÷ Total S	·
		 LED Wattage 	97 Watts		1000 Sq-Ft per Fixture =	
		= Saved per Fixture	168 Watts		Enter Target LED LPD	
Hour Day	Week Notes:	Fixture Quantity	217		This LPD combo allows 224	4 LED fixtures.
• For Occ.	sensors or dimming, use	■ Power Saved	36456 W = 36.4	56 kW	I DD Ototletlee	varies 2
average For photo	hours cell use nighttime hours	× Daily use	10 Hours			W/Ft ² 0,265
 Use decir 	mal weeks if holidays nting (1 day = 0.14 wk)	× Weekly use	7 Days			0.097
allectilgi	iting (1 day - 0.14 WK)	× Yearly use	52 Weeks			0.168
	=	Annual Energy Savings	132699.84 kWhr			
		× Power Cost	\$ 0.10 per kWh		D Notes: arget LPD uses LED Watts and Qua	antity, and affects
	= Anr	ual Energy Cost Savings	\$13269.98	onl	y the count below it, ID LPD = LED projection when = V	
						d.
	Investment:					
		_ED Fixture, Fully Installed = 'costs and discounts here.'			ofit, or difference between LED ew installation. Include all cost	
	,	17 fixtures = \$61411.00				o d labor.
				,	r, enter negative (-)JOB COST	S if rebate only.
	Energy cost saving	s and reduced CO ₂ prod	uction during LEI) lifetime:		
		LED Life	50000	Hours		
		+ Hours of use per year	3640.00	Hrs/Year		
	=	LED Operational Lifetime	13.74	Years	CO ₂ reductions	
		× Annual Savings	\$13269.98		112.79 Tons Less per 1549.73 Tons Less per	
	= Lifet	me Energy Cost Savings	\$182279.95		1040.70 10110 2000 pc1	metime
	Maintenance savin	gs during LED lifetime:				
		LED Life	50000	Hours		
		→ Original fixture life	12000	Hours		
		× Number of fixtures	217			
	× Fully bur	dened repair cost of origin	al fixture. \$ 145	Group relampi Include labor, t	ng, ballasts and photocells. fuel, travel, equipment, inventor	ry, etc.
	1	me Maintenance Savings	\$131104.17			
	Payback time and I	ROI based on amortized o	changeout cost sa	vings ner ve	ar:	
		me Maintenance Savings	\$131104.17	and her le		
		÷ LED Lifetime	13.74	Years		-1
	= Amortiz	ed Maintenance Savings	\$9541.79			
			C	C40000 00	Payback	
		stment + Energy Savings			4.64 Years on energy alo	
	Simple ROI	Energy + Maint. Savings) (Payback - Inves	÷ 561511 ÷ stment) ÷ Investme		2.70 Years on energy & n 409.48 % ROI	naint.
	Outble 1/01	(Fayback — IIIVes	sunenty · nivestille		707.70 /0 I\OI	
			RESTORE DEFAUL	T VALUES		
	*					

 $^{^{\prime}}$ US national average $m CO_2$ emissions caused by various power generation capabilities, value provided by the US EPA.

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480 HPS Cobra Head



All Light Fixtures



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