

ORIGINAL

ORDINANCE NO. CO-2017-05

**AN ORDINANCE AUTHORIZING THE EXECUTION OF AND APPROVAL OF AN AGREEMENT BETWEEN TWIN SUPPLIES LTD. AND THE VILLAGE OF MAYWOOD FOR THE PURCHASE AND INSTALLATION OF CERTAIN ELECTRICAL FIXTURES, LED LIGHTS AND LIGHT POLES AND AN AGREEMENT BETWEEN THE VILLAGE OF MAYWOOD AND H&H ELECTRIC FOR THE PURCHASE AND INSTALLATION OF CERTAIN ELECTRICAL FIXTURES, LED LIGHTS AND LIGHT POLES
AND
AUTHORIZING CERTAIN EXPENDITURES FROM THE MADISON STREET / 5TH AVENUE TAX INCREMENT FINANCING REDEVELOPMENT PROJECT AREA FUND TO PAY FOR THE PROJECT IMPROVEMENTS WITHIN THE TIF DISTRICT
(Village Payment to Twin Supplies, Ltd. under Agreement: \$88,868.00 and Village Payment to H&H Electric under Agreement: \$12,560.00)**

WHEREAS, the President and Board of Trustees (the "Corporate Authorities") of the Village of Maywood, Cook County, Illinois (the "Village"), in an effort to revitalize the Village's local economy and provide for the comprehensive and coordinated development of an underutilized and blighted area within the Village, have adopted a redevelopment plan and project, designated a redevelopment project area, and adopted the use of tax increment financing ("TIF") in accordance with the Illinois Tax Increment Allocation Redevelopment Act, 65 ILCS 5/11-74.4-1 *et seq.*, as amended (the "Act"), for the Madison Street / 5th Avenue Tax Increment Financing Redevelopment Project Area (the "Project Area"); and

WHEREAS, the Corporate Authorities have determined that, in order to encourage private investment and restore and enhance the tax base of the Village and affected taxing districts, certain blighting and adverse conditions within the Project Area must be removed, certain infrastructure improvements must be made, and the Project Area must be redeveloped; and

WHEREAS, the removal of blight and adverse conditions, the completion of infrastructure improvements and the redevelopment of the Project Area require the expenditure of redevelopment project costs as defined in the Act, as summarized in the Madison Street / 5th Avenue Tax Increment Financing Redevelopment Project and Plan (the "Plan") by the Village; and

WHEREAS, under Ordinance No. CO-2013-12, approved at a public meeting on March 13, 2013, the Corporate Authorities extended the estimated date of completion of the Original Plan and Project, and the estimated date of the retirement of all obligations incurred to finance redevelopment project costs as defined by the Original Plan and Project, to December 31, 2020, subject to receipt of year 2020 incremental real estate tax revenues during calendar year 2021; and

WHEREAS, it is necessary to consider and approve the use of TIF Funds during calendar year 2017 to complete certain infrastructure improvement projects in order to stimulate reinvestment in the Project Area. The Corporate Authorities have identified and approved the completion of the following infrastructure improvement project(s) within the Project Area (collectively, the "Infrastructure Improvement Projects"), using TIF funds to pay for such Infrastructure Improvement Projects, in whole or in part:

LED Street Light Upgrade Project. This Project involves the Village's participation in a rebate program sponsored by the Illinois Department of Commerce and Economic Opportunity ("DECO") to pay for the purchase and installation of certain electrical fixtures, LED lights and light poles ("the DECO LED Lighting Program"). The total cost of the Project for upgrading 470 cobra head street lights and 200 post top lighting fixtures is \$373,035.00. The DECO LED Lighting Program is a rebate program that covers 75% of the project costs (\$271,707.04) and the Village is obligated to pay the remaining 25% cost of \$101,328.66. The Village's contract price payable to Twin Supplies, Ltd. under its Agreement is \$88,868.00. The Village's contract price payable to H&H Electric under its Agreement is \$12,560.00. The work to be done within the Madison Street / 5th Avenue TIF District will be paid for with Madison Street / 5th Avenue TIF District Funds. The Village's General Fund will be used to pay for the remaining a portion of the work located outside of the Madison Street / 5th Avenue TIF District; and

WHEREAS, the Corporate Authorities of the Village find that it is in the Village's best interests to authorize the execution of and approval of the following agreements in order to participate in the DECO LED Lighting Program: (a) an Agreement Between Twin Supplies Ltd. And The Village Of Maywood For The Purchase And Installation Of Certain Electrical Fixtures, Led Lights And Light Poles, a copy of which is attached hereto as **Exhibit "A"** and made a part hereof; and (b) an Agreement Between The Village Of Maywood And H&H Electric For The Purchase And Installation Of Certain Electrical Fixtures, Led Lights And Light Poles, a copy of which is attached hereto as **Exhibit "B"** and made a part hereof; and

WHEREAS, it is desirable and in the best interests of the residents of the Village to authorize the Corporate Authorities to cause the expenditure of TIF Funds in the completion of the Infrastructure Improvement Projects within the Project Area, which expenditures will be paid on or after the date of passage of this Ordinance (the "Expenditures").

BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF MAYWOOD, COOK COUNTY, ILLINOIS, THAT:

SECTION 1: Recitals. The statements set forth in the preambles of this Ordinance are found to be true and correct and are adopted as part of this Ordinance.

SECTION 2: Authority.

A. The Village is a duly constituted and organized home rule municipality, as described in Division 6 of Article VII of the Illinois Constitution of 1970, and, as such, may exercise any power and perform any function pertaining to its government and affairs including, but not limited to, the power to tax and incur debt.

B. This Ordinance is adopted in connection with implementing the Plan in accordance with the Act.

C. This Ordinance is a declaration of official intent under Treasury Regulation Section 1.150-2.

SECTION 3: Estimate of Expenditures.

A. The Village intends to incur Expenditures in connection with the Infrastructure Improvement Projects within the Plan and Project Area including, but not limited to, the following:

1. Labor and professional services need to upgrade the light fixtures and replace the lights with LED lights and install the light poles; and
2. Costs for the acquisition of the LED lights, fixtures and light poles for the Project.

B. A Preliminary Estimate of Expenditures to be incurred and reimbursed, in connection with the Infrastructure Improvement Projects, as provided by the Village Engineer and/or the Village Manager, is as follows:

DECO LED Lighting Project. Estimated Total Project Cost: **\$373,035.00**. The Village is obligated to pay 25% of the total cost of the Project or \$101,328.66. The Village's contract price payable to Twin Supplies, Ltd. under its Agreement is \$88,868.00. The Village's contract price payable to H&H Electric under its Agreement is \$12,560.00. All of the work performed within the Madison Street / 5th Avenue TIF District will be paid with Madison Street / 5th Avenue TIF District Funds. The Village's General Fund will be used to pay for the remaining a portion of the work located outside of the Madison Street / 5th Avenue TIF District and

The Project Cost Estimate, as set forth in a Memorandum dated February 17, 2017 and prepared by the John West, Director of Public Works, is attached hereto as **Exhibit "C"** and made a part hereof.

SECTION 4: Authorization of Expenditures. The expenditure of funds from the TIF Fund is authorized up to the amounts set forth in Section 3, or such additional amounts necessary to complete any of the specified projects as subsequently approved or authorized by the Corporate Authorities.

SECTION 5: Approval of Agreements. The Corporate Authorities of the Village of Maywood authorize the execution of and approval of the following agreements in order to participate in the DECO LED Lighting Program:

A. Agreement Between Twin Supplies Ltd. And The Village Of Maywood For The Purchase And Installation Of Certain Electrical Fixtures, Led Lights And Light Poles, a copy of which is attached hereto as **Exhibit "A"** and made a part hereof.

B. Agreement Between The Village Of Maywood And H&H Electric For The Purchase And Installation Of Certain Electrical Fixtures, Led Lights And Light Poles, a copy of which is attached hereto as **Exhibit "B"** and made a part hereof.

SECTION 6: Direction to Act. In addition, the Corporate Authorities of the Village of Maywood authorize and direct the Village President, the Village Manager, the Village Finance Director, the Village Treasurer, the Village Clerk, or their designees, to execute such instruments and other documents to make the approved expenditures and take such other necessary actions to comply with the authorization and direction set forth in this Ordinance.

SECTION 7: Public Inspection. This Ordinance shall be immediately available for inspection by the public at the office of the Village Clerk.

SECTION 8: Repealer. All ordinances, or parts of ordinances, in conflict with the provisions of this Ordinance, to the extent of such conflict, are repealed.

SECTION 9: Severability. Each section, paragraph, clause and provision of this Ordinance is separable, and if any provision is held unconstitutional or invalid for any reason, such decision shall not affect the remainder of this Ordinance, nor any part thereof, other than that part affected by such decision.

SECTION 10: Ratification. All actions of the Corporate Authorities, agents and employees of the Village that are in conformity with the purpose and intent of this Ordinance, whether taken before or after the adoption of this Ordinance, are ratified, confirmed and approved.

SECTION 11: Effective Date. This Ordinance shall be in full force and effect from and after its adoption, approval and publication in pamphlet form as required by law.

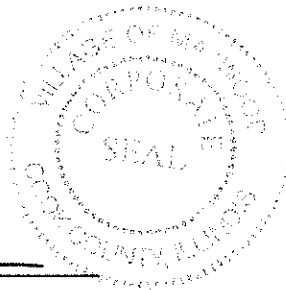
ADOPTED this 7th day of March, 2017, pursuant to a roll call vote as follows:


AYES: Mayor Edwenna Perkins, Trustee(s) H. Yarbrough, Sr., I. Brandon, A. Dorris, M. Rogers, M. Lightford and R. Rivers.

NAYS: None

ABSENT: None

APPROVED by me as Village President, and attested to by the Village Clerk, on the 9th day of March, 2017.






Village President

ATTEST:



Village Clerk

Published by me in pamphlet form this 10th day of March, 2017.



Village Clerk

Exhibit "A"

Agreement Between Twin Supplies Ltd. And The Village Of Maywood For The Purchase And
Installation Of Certain Electrical Fixtures, Led Lights And Light Poles

(attached)

AGREEMENT

This agreement is made **February 21, 2017** by and between Twin Supplies, Ltd. ("**Twin Supplies**"), and the Village of Maywood ("**Maywood**")

Whereas, Twin Supplies will furnish the labor and materials required to perform lighting upgrades at Maywood, according to the materials and labor described in estimates #123570B and #14603B dated February 21, 2017. As per those estimates, the total out of pocket cost for the Twin Supplies portion of the project to Maywood after the Department of Commerce and Economic Opportunity ("**DCEO**") rebate will not exceed \$88,767.96. Estimate #123570B indicates an out of pocket cost of \$26,583 and #14603B indicates an out of pocket cost of \$62,184.96.

Whereas, it is therefore noted:

- Total project cost for the Twin Supplies portion of the project is \$360,475. The out of pocket amount for Maywood for the Twin Supplies portion of the project is not to exceed \$88,767.96 and DCEO rebate (estimated to be \$271,707.04) is equivalent to the total project cost. Twin Supplies will secure the DCEO grant amount of \$271,707.04. The relevant DCEO project numbers relating to this project are: DCEO #9833 with an anticipated rebate amount of \$82,517, DCEO #9834 with an anticipated rebate amount of \$145,975 and DCEO #9115 with an anticipated rebate amount of \$43,215.04.
- Maywood will contribute value in the form of traffic control, security, signage, etc. For the purpose of this project and reporting to DCEO this amount is estimated to be valued at around \$38,000.
- The upgrade to energy efficient street lighting will consist of retrofitting existing streetlights with new LED fixtures, specifically Qty (321) of the Leotek GCM2-40H-MV-NW-2-DB-850 fixtures, Qty (149) of the Leotek GCL1-60G-MV-NW-2R-DB-700 fixtures and Qty (200) of the Eaton Lexington LXF-F02-D-U-ASYM-4N7-BK fixtures. It is noted that all of the installed fixtures will each include a Intermatic-LED4536SC photocell. A total of six hundred and seventy (670) fixtures are expected to be installed.
- Detailed scopes of work for the lighting upgrade are provided for review alongside this agreement.
- Work Schedule will be determined by Maywood and Twin Supplies. The project must be completed no later than May 8, 2017 to ensure release of the DCEO rebate to Maywood.

Whereas, Twin Supplies guarantees that the work will qualify Maywood for the incentive rebate from the DCEO. Proof of Insurance will be provided before the start of the project.

NOW, THEREFORE, IT IS AGREED BY THE PARTIES AS FOLLOWS:

1. Twin Supplies will prepare the paperwork required to obtain the DCEO rebate; and Maywood will cooperate fully in providing required documentation and signatures to the DCEO rebate program as needed.

2. The DCEO rebate is contingent upon the year it is filed. The street lighting project must be completed no later than May 8, 2017 to qualify the DCEO rebate of \$271,707.04. Twin Supplies will not be held accountable for changing incentive amounts and/or rates should the project not be completed during the current program year.
3. Upon the completion of the project, Twin Supplies will file the final grant application for Maywood; and Maywood will pay Twin Supplies the full grant amount within twenty business days of receiving the DCEO rebate check. Maywood will pay the out of pocket amount within twenty business days of successful project completion.
4. Changes or amendments to the project will be approved by both Twin Supplies and Maywood respectively

Village of Maywood

Date: _____

By: _____

Willie Norfleet – Village Manager

Twin Supplies, Ltd.

Date: 2/21/17

By: Christopher J. Skokna

Christopher J. Skokna - President

Notary Public:

State of _____

County of _____

Sworn to (or affirmed) and subscribed
before me this ____ day of _____,
20____, by _____.

Notary Public:

State of IL

County of DuPage


Sworn to (or affirmed) and subscribed
before me this 21st day of February
2017, by Tracey A Skokna.



Exhibit "B"

Agreement Between The Village Of Maywood And H&H Electric For The Purchase And
Installation Of Certain Electrical Fixtures, Led Lights And Light Poles

(attached)

	2830 COMMERCE STREET, FRANKLIN PARK, ILLINOIS 60131-2927 PHONE: (708) 453-2222 / FACSIMILE: (708) 453-2851.				
H&H	JOB NUMBER	N/A			
IDOT	ITEM NUMBER	N/A			
DBE:	0.00%				
ADDENDUM:	N/A				
LOCATION:	VILLAGE OF MAYWOOD - L.E.D. STREET LIGHTS - REMOVE EXISTING HORIZONTAL MOUNT HIGH INTENSITY DISCHARGE FIXTURE AND REPLACE WITH L.E.D. FIXTURE (SUPPLIED BY THE VILLAGE OF MAYWOOD).				
CONTRACT NO.:	N/A				
COUNTY:	COOK				
SECTION NO.:	N/A				
ROUTE:	VARIOUS				
DATE:	Tuesday, February 21, 2017				
BID AS:	GENERAL ELECTRICAL CONTRACTOR				
BID DUE DATE:	Tuesday, February 21, 2017				
BID DUE TIME:	12:00 NOON.				
BID LOCATION:	EMAIL TO JOHN WEST @ VILLAGE OF MAYWOOD. EMAIL: jwest2@maywood-il.org; jwest@maywood-il.org				
COMPLETION:	N/A				
		UNIT OF MEASURE	QUANTITY	UNIT PRICE	TOTAL PRICE
ITEM NUMBER	PAY ITEM DESCRIPTION				
1	REMOVE EXISTING HORIZONTAL MOUNT HIGH INTENSITY DISCHARGE FIXTURE AND REPLACE WITH L.E.D. FIXTURE (TO BE SUPPLIED BY THE VILLAGE OF MAYWOOD). RETURN EXISTING FIXTURE TO VILLAGE OF MAYWOOD PUBLIC WORKS.		EACH	139.000	84.30 11,717.70

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE	TOTAL PRICE
TOTALS					11,717.70
NOTES:					
1	THIS PROPOSAL IS BASED ON NORMAL WORKING HOURS.				
NOT INCLUDED IN THIS PROPOSAL:					
1	ALL FINAL LANDSCAPE RESTORATION.				
2	SPECIAL INSURANCE, FEES, OR PERMITS OF ANY TYPE.				
3	BONDS, ALTHOUGH WE ARE BONDABLE.				
4	NO WORK WILL BE DONE OTHER THAN THE ITEMS ON OUR BID WITHOUT WRITTEN APPROVAL.				
5	PROJECT LAYOUT INCLUDING GRADES AND ELEVATIONS.				
6	DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION.				
7	ANY AND ALL COSTS CONTRIBUTABLE TO TESTING, DOCUMENTATION, REMOVAL AND/OR DISPOSAL OF ANY SPOILS.				
8	ANY MAJOR SUBSURFACE OBSTACLES ENCOUNTERED WHICH CAUSES A DECREASE IN OUR PRODUCTION SHALL BE COMPENSATED AT TIME & MATERIAL RATES.				
9	PROPOSAL VALID FOR 15 DAYS.				

Exhibit "C"

Cost Estimate for the DECO LED Lighting Program

**Memorandum dated February 17, 2017
and prepared by John West, Director of Public Works**

(attached)



VILLAGE OF MAYWOOD INTERDEPARTMENTAL MEMORANDUM

To: Willie Norfleet Jr., Village Manager
From: John West, Director of Public Works *JW*
RE: DECO Cobra Head & Pole Top Lighting Program
Date: February 17, 2017

Attached with this letter are the cost estimates provided by Twin Supplies, LTD associated with replacing four hundred seventy (470) cobra head and two hundred (200) post top lighting fixtures throughout the Village of Maywood. The Total amount of the project is \$373,035.00 and DECO incentive rebates are \$271,707.04, the remaining amount of \$101,328.66 consist of \$41,583 of labor cost split between both projects cobra head and pole tops, with the additional \$47,184.96 attributed to the remaining cost of the fixtures and \$12,560 going to H&H Electric for installation of IDOT road cobra head fixtures. The DECO project rebates are designed to cover seventy five percent (75%) of the cost of the program, with the remaining twenty five percent (25%) left for the village to finance. The financing of these projects can be done from the TIF's and general funds. Please place this item on the Board agenda for approval. Please let me know if you have any questions.

TWIN SUPPLIES, LTD.

ESTIMATE

High Efficiency Lighting

<http://twinsupplies.net> 1010 JORIE BLVD, Suite 124 OAK BROOK, IL 60523
 PHONE: (630) 590-5138 FAX: (630) 537-1045 EMAIL: info@twinsupplies.net

Date	Estimate #
2/21/2017	123570B

Village of Maywood 40 Madison Street Maywood, IL 60153-2323

Ship To Public Work/Village Hall STREETLIGHTS 42 W Madison Maywood, IL 60153
--

Customer Contact	Customer Phone
John West	708-450-4463 (John We

Rep	Project
BL	

Item	Description	Qty	Rate	Total
	*** STREETLIGHTS***			
LEOTEK-GCM2 107W	LEOTEK - 107W LED STREET LIGHT; 13,270 LUMENS; TYPE 2; 4000K; UNV; BRONZE; PHOTO CELL RECEPTACLE; 10 YEAR WARRANTY (DLC)	321	425.00	136,425.00
	IDOT			
LEOTEK-GCL1 135W	LEOTEK - 135W LED STREET LIGHT; 16,400 LUMENS; TYPE 2R; 4000K; UNV; BRONZE; PHOTO CELL RECEPTACLE (DLC)	149	475.00	70,775.00
INTERMATIC-LED4536SC.	INTERMATIC 120V-305V PHOTO CONTROL FOR LED OUTDOOR STREET LIGHTING	470	40.00	18,800.00
LABOR	LABOR		24,075.00	24,075.00
LABOR	LABOR (VILLAGE OF MAYWOOD LABOR - VALUED AT APPROX \$38,000) LABOR (H&H ELECTRIC LABOR FOR QTY 149 FIXTURES - FOR DCEO PURPOSES APPROXIMATELY \$12,516)			
LIFT CHARGE	LIFT RENTAL CHARGE		5,000.00	5,000.00
DCEO-INCENTIVE	DCEO-INCENTIVE BASED UPON APPROVAL OF PY9 REBATE AMOUNTS ***When the incentive check is received, the full amount of the check will be due to Twin Supplies the next day**** (\$228,492.00)		-228,492.00	-228,492.00

Thank you for your business!

Subtotal \$26,583.00

Sales Tax (0.0%) \$0.00

Total \$26,583.00



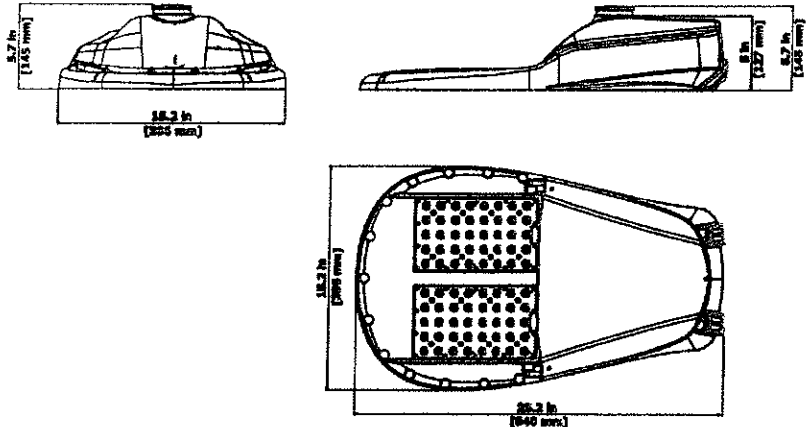
TS

Check out some of our projects on our blog:
<http://twinsupplies.net/blog/>

GreenCobra™ LED Street Light GCL

Luminaire Data

Weight 18 lbs [8.17 kg]
EPA 0.8 ft.²



Ordering Information

Sample Catalog No. GCL1 60G MV WW 2S GY 350 PCR5 RWG

Product	No. & Type of LEDs	Voltage	Color Temperature	Distribution	Finish ¹	Drive Current	Options
GCL1	60G 80G	MV 120-277V	WW 3000K	2S Type 2 Short	GY Gray	350 ² 350mA	HSS ⁴ House Side Shield
		HV 347-480V	NW 4000K	2R Type 2 Medium	DB Dark Bronze	530 ² 530mA	CSS ⁷ Cul-de-sac Shield
			CW 5000K	3R Type 3 Medium	BK Black	610 ² 610mA	FDC ³ Fixed Drive Current
							700 ² 700mA
						PCR5 ⁴ ANSI 5-wire Photocontrol Receptacle	
						PCR7 ⁴ ANSI 7-wire Photocontrol Receptacle	
						PCR5-CR ⁵ Control Ready 5-wire Photocontrol Receptacle	
						PCR7-CR ⁵ Control Ready 7-wire Photocontrol Receptacle	
						4B 4-Bolt Slip-Fitter	
						RWG Rubber Wildlife Guard	
						WL Utility Wattage Label	

Notes:

- 1 Gray, Black and Dark Bronze standard. Consult factory for other finishes.
- 2 Factory set drive current, field adjustable standard. Refer to Performance Data Table. Consult factory if wattage limits require a special drive current.
- 3 Non-field adjustable, fixed drive current. Specify required drive current. Not available with PCR5-CR or PCR7-CR options.
- 4 Field adjustable current selector included. Wireless node dimming is disabled, field changeable connectors included to enable dimming with PCR5/7.
- 5 Control-ready wiring at factory for wireless node dimming. Default maximum drive current (700mA) must be specified.
- 6 Flush mounted house side shield. Shield cuts light off at 1/2 mounting height behind luminaire.
- 7 Flush mounted cul-de-sac shield. Shield cuts light off at 1/2 mounting height behind luminaire and 1-1/2 mounting height on either side of luminaire.
- 8 Specify Color (GY, DB, BK)
- 9 Specify MV (120-277V) or HV (347V-480V)

Accessories⁶

HSS ⁴	House Side Shield, Snap-On*
CSS ⁷	Cul-De-Sac Side Shield, Snap-On*
SPB ⁸	Square Pole Horizontal Arm Bracket
RPB ⁸	Round Pole Horizontal Arm Bracket
PTB ⁸	Pole Top Tenon Horizontal Arm Bracket
WB ⁸	Wall Horizontal Arm Bracket
BSK	Bird Deterrent Spider Kit
PC ⁹	Twist Lock Photocontrol
LLPC ⁹	Long-Life Twist Lock Photocontrol
SC	Twist Lock Shorting Cap

*Accessories are ordered separately and not to be included in the catalog number. For factory installed HSS, CSS specify as option in luminaire catalog number.

Luminaire Specifications

Housing

Die cast aluminum housing with universal two-bolt slip fitter mounts to 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter mast arm. Four-bolt mounting bracket (4B option) is available. Mounting provisions meet 3G vibration per ANSI C136.31-2001 Normal Application, Bridge & Overpass. Mounting has leveling adjustment from ± 5° in 2.5° steps. Electrical components are accessed without tools via high-strength, non-conductive polycarbonate door with stainless steel quick-release latches. Polycarbonate material is UL recognized and meets UL 746C for outdoor usage. Standard mast arm guard is Polycarbonate with removable insert. Available rubber wildlife guard (RWG option) conforms to mast arm with no gaps.

Light Emitting Diodes

Hi-flux/Hi-power white LEDs produce a minimum of 90% of initial intensity at 100,000 hours of life based on IES TM-21. LEDs are tested in accordance with IES LM-80 testing procedures. LEDs have correlated color temperature of 3000K (WW), 4000K (NW), or 5000K (CW) and 70 minimum CRI. LEDs are ROHS compliant, 100% mercury and lead free.

Optical Systems

Micro-lens systems produce IESNA Type 2 Short (2S), Type 2 Medium (2R), and Type 3 Medium (3R) distributions. Luminaire produces 0% total lumens above 90° (BUG Rating, U=0). Optical systems maintain an IP66 rating. Optional house side shield cuts light off at 1/2 mounting height behind luminaire. Cul-de-sac shield provides back and side light control for end of cul-de-sac applications. Both shields are field installable without tools.

Electrical

Power supply life is rated for 100,000 hours. Power Supply is 1-10V dimmable. Power supply features a minimum power factor of .90 and <20% Total Harmonic Distortion (THD). EMC meets or exceeds FCC CFR Part 15. Terminal block accommodates 6 to 14 gauge wire and is aligned for straight wire entry. Surge protection complies with IEEE/ANSI C62.41 Category C High, 20kV/10kA.

Controls

3-Wire photocontrol receptacle is standard. ANSI C136.41 5-wire (PCRS) or 7-wire (PCR7) photocontrol receptacles are available. All photocontrol receptacles have tool-less rotatable base. Wireless control module is provided by others.

Finish

Housing receives a fade and abrasion resistant polyester powder coat finish. Finish tested 3000 hours in salt spray exposure per ASTM B117. Finish meets scribe creepage rating 9 of 10 per ASTM 1654. Finish tested 500 hours in UV exposure per ASTM G154 and meets ASTM D523 gloss retention.

Listings/Ratings/Labels

Luminaires are UL listed for use in wet locations in the United States and Canada. DesignLights Consortium™ qualified 120-277V product.² International Dark Sky Association listed. Luminaire is qualified to operate at ambient temperatures of -40°C to 40°C. Assembled in the U.S.A.

Photometry

Luminaires photometrics are tested by certified independent testing laboratories in accordance with IES LM-79 testing procedures.

Warranty

10-year limited warranty is standard on luminaire and components.

Performance Data

All data nominal, consult factory for IES files or LM-79 reports.

Warm White (3000K) WW

No. of LEDs & Type	Drive Current (mA)	System Wattage (W)	Delivered Lumens (Lm)	Efficacy (Lm/W) ¹	Type 2S	Type 2R	Type 3R
					BUG Rating	BUG Rating	BUG Rating
GCL1 60G	350	70	8800	126	B2 U0 G2	B1 U0 G2	B2 U0 G2
	530	105	12700	121	B2 U0 G2	B2 U0 G2	B2 U0 G2
	610	120	14200	118	B2 U0 G2	B2 U0 G2	B3 U0 G3
	700	135	15600	116	B2 U0 G2	B2 U0 G2	B3 U0 G3
GCL1 80G	350	85	11150	132	B2 U0 G2	B2 U0 G2	B2 U0 G2
	530	130	16000	123	B2 U0 G2	B2 U0 G2	B3 U0 G3
	610	160	18700	117	B3 U0 G2	B3 U0 G2	B3 U0 G3
	700	185	20800	112	B3 U0 G2	B3 U0 G3	B3 U0 G3

Neutral White (4000K) NW

No. of LEDs & Type	Drive Current (mA)	System Wattage (W)	Delivered Lumens (Lm)	Efficacy (Lm/W) ¹	Type 2S	Type 2R	Type 3R
					BUG Rating	BUG Rating	BUG Rating
GCL1 60G	350	70	9250	133	B1 U0 G2	B2 U0 G2	B2 U0 G2
	530	105	13300	127	B1 U0 G2	B2 U0 G2	B2 U0 G2
	610	120	15000	125	B2 U0 G2	B2 U0 G2	B3 U0 G3
	700	135	16400	122	B2 U0 G2	B2 U0 G2	B3 U0 G3
GCL1 80G	350	85	11700	138	B2 U0 G2	B2 U0 G2	B2 U0 G2
	530	130	16800	129	B3 U0 G2	B2 U0 G2	B3 U0 G3
	610	160	20000	125	B3 U0 G2	B3 U0 G3	B3 U0 G3
	700	185	22100	119	B3 U0 G3	B3 U0 G3	B3 U0 G3

Notes:

1 Nominal lumens. Normal tolerance ± 10% due to factors including distribution type, LED bin variance, and ambient temperatures.

2 Not all versions DLC qualified. Consult qualified product list at www.designlights.org for latest product listing.

© 2016 Leotek Electronics USA

GCL_v041316 Specifications subject to change without notice

TWIN SUPPLIES, LTD.

High Efficiency Lighting

ESTIMATE

<http://twinsupplies.net> 1010 JORIE BLVD, Suite 124 OAK BROOK, IL 60523
 PHONE: (630) 590-5138 FAX: (630) 537-1045 EMAIL: info@twinsupplies.net

Date	Estimate #
2/17/2017	14603B

Village of Maywood 40 Madison Street Maywood, IL 60153-2323

Ship To Public Work/Village Hall 42 W Madison Maywood, IL 60153
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Customer Contact	Customer Phone
John West	708-450-4463 (John We

Rep	Project
BL	

Item	Description	Qty	Rate	Total
MISC- See Description	***REPLACE QTY (200) 175W METAL HALIDE FIXTURES WITH 52W COOPER LXF LED FIXTURES*** EATON LEXINGTON LXF-F02-D-U-ASYM-4N7-BK	200	425.00	85,000.00
INTERMATIC-LED4536SC.	INTERMATIC 120V-305V PHOTO CONTROL FOR LED OUTDOOR STREET LIGHTING	200	27.00	5,400.00
LABOR	LABOR		15,000.00	15,000.00
DCEO-INCENTIVE	DCEO-INCENTIVE BASED UPON APPROVAL OF PY9 REBATE AMOUNTS ***When the incentive check is received, the full amount of the check will be due to Twin Supplies the next day**** (\$43,215.04)		-43,215.04	-43,215.04

Thank you for your business!	Subtotal	\$62,184.96
	Sales Tax (0.0%)	\$0.00
	Total	\$62,184.96



TS

Check out some of our projects on our blog:
<http://twinsupplies.net/blog/>

DESCRIPTION

The Lexington LED outdoor luminaire displays the old-fashioned charm of traditional lantern-type post top lighting, enhancing any setting with distinctive styling. As a decorative luminaire, the Lexington LED tastefully complements the architectural and environmental design of parks and roadways. It's patented LightBAR™ technology delivers uniform and efficient illumination to pedestrian and roadway applications.

Catalog #		Type	
Project		Date	
Comments			
Prepared by			

SPECIFICATION FEATURES

Construction

TOP: Hinged die-cast aluminum top with cupola cover. **SCREWS:** Captive retaining screw. **HOUSING:** Die-cast aluminum base housing. Standard color is black. Other finish colors available. Consult your Streetworks representative. 1" ANSI wattage/source label.

Optics

Choice of symmetric or asymmetric distributions with refractive lens panels. Clear lens panels also available. 4000K CCT (+/- 275K), minimum 70 CRI.

Electrical

LED drivers are potted and equipped with heat sinks for optimal performance and prolonged life. Standard drivers feature electronic universal voltage (120V-277V/50-60Hz), greater than 0.90 power factor, and operating temperature range from -30°C to +40°C. Includes surge protection for transient line surges up to 10kV. Standard three-position tunnel-type terminal block. System is rated for 90% lumen maintenance at 60,000 hours (compliant with IESNA TM-21).

Mounting

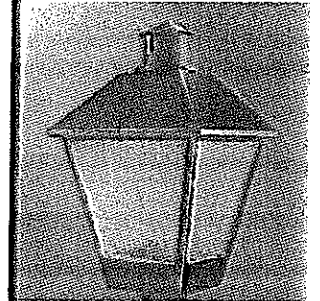
Self-aligning pole-top fitter fits 2-3/8" and 3" O.D. tenons. Square headed 1-1/4" polymer coated mounting bolts.

Finish

Cast components finished in a Super durable black TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Optional colors include: bronze, grey and white. RAL and custom color matches available.

Warranty

Five-year warranty.



LXF/LXT LEXINGTON LED

1 LightBAR=26W (Nominal)
2 LightBARS=52W (Nominal)
LED

DECORATIVE POST TOP
LUMINAIRE

CERTIFICATION DATA

UL/cUL Listed
ISO 9001
IP66 LightBARS
LM79 / LM80 Compliant

ENERGY DATA

Electronic LED Driver
>0.8 Power Factor
<20% Total Harmonic Distortion
120-277V 50/60Hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

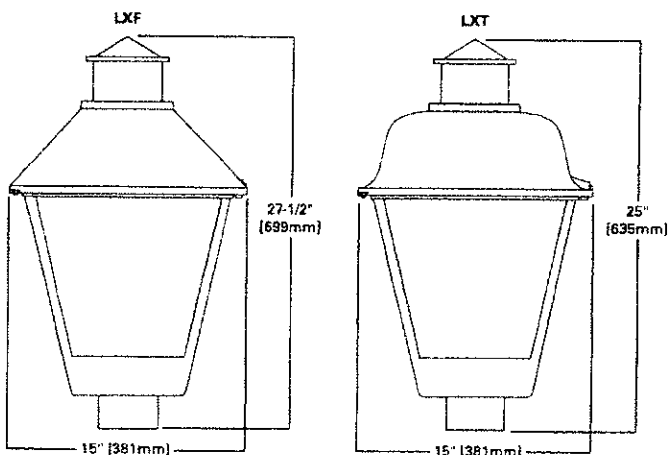
EPA

Effective Projected Area: (Sq. Ft.)
1.7

SHIPPING DATA

Approximate Net Wt:
25 lbs. (11 kgs.)

DIMENSIONS



POWER AND LUMENS

Number of LightBARs	E01	E02	F01	F02	
LightBAR Type	E Bars (21 LEDs)	E Bars (21 LEDs)	F Bars (7 LEDs)	F Bars (7 LEDs)	
Power (Watts)	25W	52W	26W	55W	
Optics					
SYM	Lumens	2,468	4,939	2,038	4,077
	BUG Rating	B1-U3-G2	B2-U4-G3	B1-U3-G2	B2-U4-G3
ASYM	Lumens	2,645	5,290	2,183	4,367
	BUG Rating	B2-U3-G2	B3-U3-G3	B1-U3-G1	B2-U3-G2

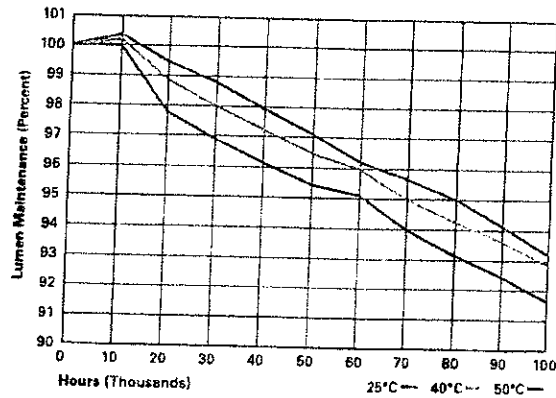
LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99
50°C	0.96

LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25°C	> 89%	> 87%	> 86%	> 93%	> 450,000
40°C	> 98%	> 97%	> 96%	> 92%	> 425,000
50°C	> 97%	> 96%	> 95%	> 91%	> 400,000

* Per IESNA TM-21 data.



ORDERING INFORMATION

Sample Number: LXF-E02-LED-E-U-SYM-4-BK

Product Family ¹	Number of LightBARs ^{2,3}	Source Type	Driver	Voltage	Distribution
LXF=Lexington LXT=Lexington w/Traditional Top	E01=(1) 21 LED LightBAR E02=(2) 21 LED LightBAR F01=(1) 7 LED LightBAR ⁴ F02=(2) 7 LED LightBAR ⁴	LED=Solid State Light Emitting Diodes	E=Non-Dimming D=Dimming ⁵	U=Universal (120-277V)	SYM=Symmetric ASYM=Asymmetric
Options (Add as Suffix)				Accessories (Order Separately)	
7030=70 CRI / 3000K CCT ⁶ 7050=70 CRI / 5000K CCT ⁶ 7060=70 CRI / 6000K CCT ⁶ 8030=80 CRI / 3000K CCT ⁶ 2L=Two Circuits ⁷ 4=NEMA Photocontrol Receptacle 4N7=NEMA 7-PIN Photocontrol Receptacle ⁸ CLP=Clear Lens Panels ⁹ T=3/4" Pendant Mount Provision S=Snap Latches for Tool-less Light Replacement J=Factory Installed Ladder Rest U=UL/CSA Listed HSS=Factory Installed House Side Shield ¹⁰ AP=Gray BK=Black BZ=Bronze WH=White				DA1222=10kV Surge Replacement Module	

NOTES:

- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
- LED LightBAR powered by 350mA.
- Standard 4000K CCT and nominal 70 CRI.
- Consult factory for F-bar photometric data.
- Must specify 4N7 option.
- Consult factory for lead times and multiplier.
- Low-level output varies by bar count. Consult factory. Requires two LightBARs.
- Must specify dimming driver.
- Only available in symmetric optical distribution. Consult factory for photometric data.
- One per LightBAR. Will considerably reduce lumen output.



Eaton
1121 Highway 24 South
Pacetta, GA 30269
P: 770-488-6000
www.eaton.com/lighting

Specifications and dimensions subject to change without notice



Illinois
Department of Commerce
& Economic Opportunity

OFFICE OF ENERGY & RECYCLING

Bruce Rauner, Governor

Notice to Proceed

Mr. Willie Norfleet, Village Manager
Village of Maywood
40 W. Madison
Maywood, IL 60153-2323

February 17, 2017

Re: 9833 Village of Maywood

Dear Mr. Norfleet:

The Illinois Department of Commerce & Economic Opportunity ("Department") is in receipt of your Public Sector Energy Efficiency Pre-Approval Application for the Village of Maywood energy efficiency project. Your application has been reviewed and was found to meet all the necessary requirements to proceed with the proposed project. Please refer to Application #9833 for all correspondence regarding this project.

This letter will serve as your formal Notice to Proceed for this project. We have reserved funds for your project, estimated to be \$82,517.49 and they will be held until May 8, 2017. Equipment installation must be completed and all documentation must be submitted to the Department for final review and approval. It is your responsibility to verify that all equipment meets the required specifications. Your facility may be selected for a verification site visit.

Upon project completion, please indicate your agreement with these terms by completing and submitting:

- Rebate Agreement: Pages 1 through 9
- Attachment A: Pre-Approval Forms (as included here in Attachment A); and
- Attachment B: Insert the Final Certification Forms and required documents in place of the blank forms as listed in the Application Checklist, last page of this document.

To save resources, scan all documents into a single PDF and submit electronically to paul.pierre-louis@illinois.gov. If electronic submission is not possible, mail documents to my attention at Department of Commerce & Economic Opportunity, IL Energy Now, 500 E. Monroe Street, 11th Fl., Springfield, IL 62701. If you have any questions, please contact me by email or at 312.814.3630.

Sincerely,

Paul Pierre-Louis

Illinois Energy Now Programs



Illinois
Department of Commerce
& Economic Opportunity

OFFICE OF ENERGY & RECYCLING

Bruce Rauner, Governor

Notice to Proceed

Mr. Willie Norfleet, Village Manager
Village of Maywood
40 W. Madison
Maywood, IL 60153-2323

February 17, 2017

Re: 9834 Village of Maywood

Dear Mr. Norfleet:

The Illinois Department of Commerce & Economic Opportunity ("Department") is in receipt of your Public Sector Energy Efficiency Pre-Approval Application for the Village of Maywood energy efficiency project. Your application has been reviewed and was found to meet all the necessary requirements to proceed with the proposed project. Please refer to Application #9834 for all correspondence regarding this project.

This letter will serve as your formal Notice to Proceed for this project. We have reserved funds for your project, estimated to be \$145,975.06 and they will be held until May 8, 2017. Equipment installation must be completed and all documentation must be submitted to the Department for final review and approval. It is your responsibility to verify that all equipment meets the required specifications. Your facility may be selected for a verification site visit.

Upon project completion, please indicate your agreement with these terms by completing and submitting:

- Rebate Agreement: Pages 1 through 9
- Attachment A: Pre-Approval Forms (as included here in Attachment A); and
- Attachment B: Insert the Final Certification Forms and required documents in place of the blank forms as listed in the Application Checklist, last page of this document.

To save resources, scan all documents into a single PDF and submit electronically to paul.pierre-louis@illinois.gov. If electronic submission is not possible, mail documents to my attention at Department of Commerce & Economic Opportunity, IL Energy Now, 500 E. Monroe Street, 11th Fl., Springfield, IL 62701. If you have any questions, please contact me by email or at 312.814.3630.

Sincerely,

Paul Pierre-Louis
Illinois Energy Now Programs

STATE OF ILLINOIS)
)SS.
COUNTY OF COOK)

CLERK'S CERTIFICATE

I, Viola Mims, the duly elected, qualified and acting Village Clerk of the Village of Maywood, Cook County, Illinois, certify that attached hereto is a true and correct copy of the Ordinance now on file in my office, entitled:

ORDINANCE NO. CO-2017-05

ORDINANCE AUTHORIZING THE EXECUTION OF AND APPROVAL OF AN AGREEMENT BETWEEN TWIN SUPPLIES LTD. AND THE VILLAGE OF MAYWOOD FOR THE PURCHASE AND INSTALLATION OF CERTAIN ELECTRICAL FIXTURES, LED LIGHTS AND LIGHT POLES AND AN AGREEMENT BETWEEN THE VILLAGE OF MAYWOOD AND H&H ELECTRIC FOR THE PURCHASE AND INSTALLATION OF CERTAIN ELECTRICAL FIXTURES, LED LIGHTS AND LIGHT POLES

AND

AUTHORIZING CERTAIN EXPENDITURES FROM THE MADISON STREET / 5TH AVENUE TAX INCREMENT FINANCING REDEVELOPMENT PROJECT AREA FUND TO PAY FOR THE PROJECT IMPROVEMENTS WITHIN THE TIF DISTRICT

(Village Payment to Twin Supplies, Ltd. under Agreement: \$88,868.00 and Village Payment to H&H Electric under Agreement: \$12,560.00)

which was passed by the Board of Trustees of the Village of Maywood at a Regular Meeting of the Board of Trustees held on the 7th day of March, 2017, at which meeting a quorum was present, and approved by the President of the Village of Maywood on the 9th day of March, 2017.

I further certify that the vote on the question of the passage of the said Ordinance by the Board of Trustees of the Village of Maywood was taken by the Ayes and Nays and recorded in the Journal of Proceedings of the Board of Trustees of the Village of Maywood, and that the result of the vote was as follows, to wit:

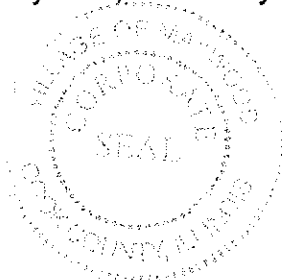
AYES: Mayor Edwenna Perkins, Trustee(s) H. Yarbrough, Sr., I. Brandon, A. Dorris, M. Rogers, M. Lightford and R. Rivers.

NAYS: None

ABSENT: None

I do further certify that the original Ordinance, of which the attached is a true copy, is entrusted to my care for safekeeping, and that I am the lawful keeper of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Village of Maywood, this 9th day of March, 2017.



SEAL

By: Viola Mims
Village Clerk