



CITY of NOVI CITY COUNCIL

**Agenda Item I
November 13, 2018**

SUBJECT: Approval of a Street Light Purchase Agreement with The Detroit Edison Company for the installation and operating cost of seven (7) street lights; one (1) at the entrance of Manchester on Novi Road, and six (6) along the Manchester development frontage on Novi Road, and approval of an agreement with Manchester 13 Mile Road, LLC, for the sharing of installation and ongoing operation costs per the City's Street Lighting Policy.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	<p>\$ 2,161.17 (Installation paid by City)</p> <p>\$ 1,871.10 (Annual Operating Costs paid by City)</p> <p>\$ 4,032.27 TOTAL City share</p>
	<p>\$ 25,112.40 (Developer paid cost)</p>
AMOUNT BUDGETED	<p>\$ 42,017 (Street Light Installation)</p> <p>\$ 152,000 (Street Light Operations)</p>
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	<p>101-442.10-924.051 (Streetlight Installation)</p> <p>101-442.20-924.000 (Street lighting Operations)</p> <p>701-000.00-924.000 (Developer Paid Costs)</p>

BACKGROUND INFORMATION:

Manchester 13 Mile Road, LLC, is requesting the installation of seven (7) Basic Granville 60w LED light fixtures mounted on seven (7) black 12' fiberglass posts; one (1) at the Manchester Road entrance off of Novi Road, south of Thirteen Mile Road, and six (6) along the Manchester development frontage on Novi Road.

The Resolution for Amended Street Light Policy adopted September 24, 2012 states the City will provide one single, standard overhead street light in the public right-of-way at major road entrances of residential developments to enhance public safety. The policy also states when lighting requests include upgraded decorative or additional street lights, the petitioner shall bear the additional cost of installation beyond the cost for a single standard light. The developer is requesting a decorative street light; therefore, the portion of the installation cost for the upgrade to a decorative street light will be the developer's responsibility. Similarly, the policy states the City will pay for the ongoing operation and energy costs for one street light at the entrance, and ongoing operation and energy costs for additional lighting will be paid by the developer. However, the City agreed to pay the operation and energy costs for the streetlights along Novi Road since the streetlights provide an additional benefit for the public.

Engineering staff worked with DTE Energy (Detroit Edison Company) and the developer to determine the appropriate location for street light posts, and obtained an estimate of the installation and ongoing operation costs for one (1) standard light and seven (7) Basic Granville style lights on seven (7) posts. The new street lights will be underground fed Basic Granville style 60w LED fixtures on single 12-foot black fiberglass poles, consistent with the style of street lighting the City considers the standard for residential entryway lighting.

In order to facilitate installation of the street lights, DTE Energy is requesting approval and execution of the attached Purchase Agreement. The DTE Energy agreement requires the City to pay the total installation cost of \$27,273.57 and an ongoing annual lamp charge of \$1,871.10 for operation and maintenance of the street lights. As with all other street light installations, the City requires payment by the applicant for all reimbursable charges and the City pays DTE Energy directly.

The following table summarizes the cost sharing for the requested streetlights:

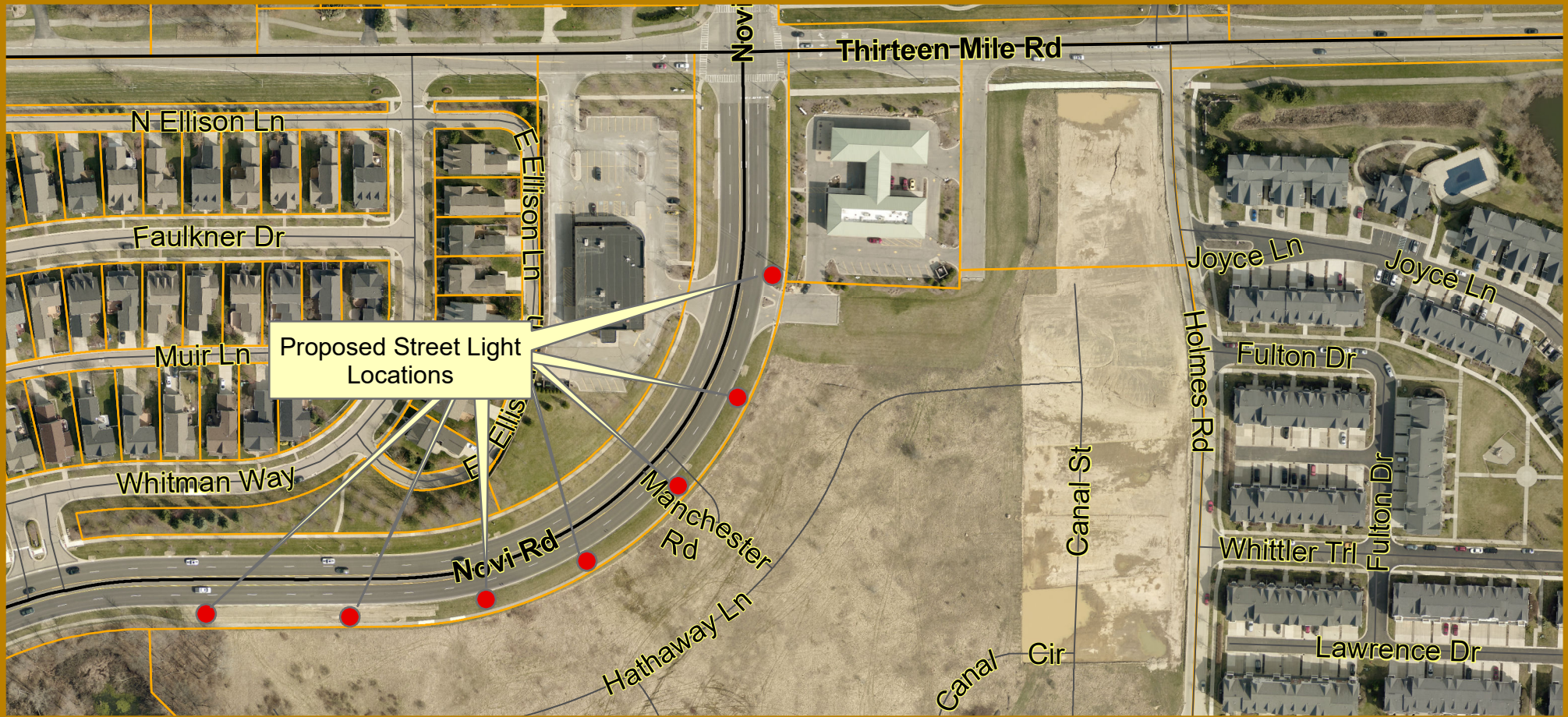
Description	City Share	Developer/HOA Share	Total
Installation Costs	\$ 2,161.17	\$ 25,112.40	\$ 27,273.57
Annual Operating Costs	\$ 1,871.10	\$ 0	\$ 1,871.10

A second agreement between the City and Manchester 13 Mile Road, LLC, is also provided for consideration to formalize the cost sharing and payment arrangement for the installation and operation of the streetlight(s). Manchester 13 Mile Road, LLC, has paid to the City its portion of the installation costs.

The proposed agreements have been reviewed and recommended for approval by Engineering staff and the City Attorney (Beth Saarela, September 19, 2018).

RECOMMENDED ACTION: Approval of a Street Light Purchase Agreement with The Detroit Edison Company for the installation and operating cost of seven (7) street lights; one (1) at the entrance of Manchester on Novi Road, and six (6) along the Manchester development frontage on Novi Road, and approval of an agreement with Manchester 13 Mile Road, LLC, for the sharing of installation and ongoing operation costs per the City's Street Lighting Policy.

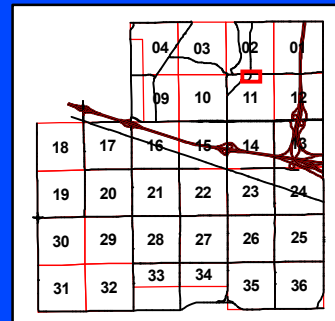
DTE Street Light Installation Manchester Location Map



Map Author: R. Runkel
Date: 10/29/18
Project: Manchester
Version #:

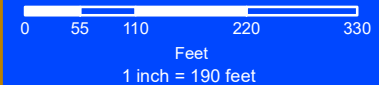
MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.



City of Novi

Engineering Division
Department of Public Works
26300 Lee BeGole Drive
Novi, MI 48375
cityofnovi.org



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27555 Executive Drive, Suite 250
Farmington Hills, Michigan 48331
P 248.489.4100 | F 248.489.1726
www.rsjalaw.com



ROSATI | SCHULTZ
JOPPICH | AMTSBUECHLER

September 19, 2018

Rebecca Runkel, Engineering Technician
City of Novi
Public Works
Field Services Complex
26300 Lee BeGole Drive
Novi, MI 48375

**Re: DTE Energy - Purchase Agreement for Municipal Street Lighting
*Manchester***

Dear Ms. Runkel:

We have received and reviewed the Purchase Agreement for Municipal Street Lighting (Work Order 51558218) for seven street lights along Novi Road on the south side of 13 Mile Road. The Developer will pay the cost for installation of seven (7) decorative street lights in excess of a the cost of a single standard street light.

The Purchase Agreement is a standard form agreement prepared by The Detroit Edison Company ("DTE") for use in projects for installation and maintenance of new street lighting. It references and incorporates the terms of the Master Agreement for Municipal Street Lighting entered into between the City and DTE Energy on August 21, 2018. The Master Agreement controls the terms of installation and maintenance, generally, such as terms of payment, rates, maintenance responsibilities, term, liability, warranties and general contract provisions, including such things as choice of law and notices. Although the Master Agreement has been recently updated to more strictly limit DTE's liability for damages and injuries occurring during installation, to the extent that the City probably would not be able to look to DTE or its contractor to take responsibility for any damages or losses that they caused unless DTE or its contractor were the "sole" cause of the damages, the potential liability to the City is probably on the lower end of the scale because a third party who was damaged or injured could pursue recovery from DTE itself and would not be impacted by this Agreement. Furthermore, there is no indemnity provision so the City is not taking responsibility for damages DTE causes to third parties.

The Purchase Agreement includes the more specific information relating to each particular project, including total estimated project cost, project location, project specifications, and special order information.

Rebecca Runkel, Engineering Technician
City of Novi
September 19, 2018
Page 2

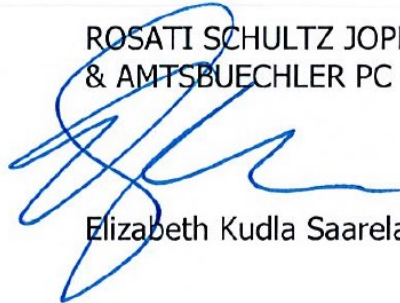
The Purchase Agreement and Master Street Lighting Agreement are in DTE's standard format and we see no legal impediment to approval of the agreements.

The Developer has agreed to pay the upgrade cost for decorative streetlights, while the City will pay the ongoing energy costs relating to the street lights since they benefit the general public along Novi Road. We see no legal impediment to entering into the enclosed version of the Agreement and the terms of the Agreement are consistent with the City's Street Lighting Policy.

Please feel free to contact me with any questions or concerns in regard to this matter.

Very truly yours,

ROSATI SCHULTZ JOPPICH
& AMTSBUECHLER PC



Elizabeth Kudla Saarela

EKS
Enclosures
Cortney Hanson, Clerk (w/Enclosures)
George Melistas, Senior Engineering Manager (w/Enclosures)
Thomas R. Schultz, Esquire (w/Enclosures)



August 22, 2018

City of Novi
Rebecca Runkel
26300 Lee BeGole Dr
Novi, MI 48375

Re: Proposed Street Lighting-Manchester Development-Novu Rd and 13 Mile, Novi, MI

I have completed the review of your request for the proposed lighting and have prepared a cost estimate for the installation of one (1) streetlight at the entrance to the Manchester subdivision. I am recommending the installation of one (1) 65w LED Autobahn fixture mounted on a stock, 30' direct buried fiberglass. Streetlight to be fed by underground cable.

The costs are based on the Option 1 Municipal Street Light rate, where DTE Energy installs, owns, and maintains the lighting system. The rate requires a portion of the construction costs be paid by the customer, which is determined by the following formula.

Underground fed (1) 60w Granville acorn LED fixtures mounted on (1) 12' fiberglass post

Annual Operating Cost	\$267.30
Costs to Construct	\$4,544.46
3yr Revenue Credit	(\$801.90)
Contribution from the City of Novi	\$3,742.56

Underground fed (1) 65w LED Autobahn mounted on (1) 30' direct buried fiberglass post- Cost to feed light at 80' from feed point. (Standard)

Annual Operating Cost	\$267.30
Cost to Construct	\$3,335.93
3yr Revenue Credit	(\$801.90)
Contribution from the City of Novi	\$2,161.17

Underground fed: Six (6) 60w Granville acorn LED fixtures mounted on six (6) 12' fiberglass posts

Annual Operating Cost	\$1,603.80
Costs to Construct	\$28,342.41
3yr Revenue Credit	\$4,811.40
Contribution from the City of Novi	\$23,531.01

The price quoted shall be in effect for a period of six months from the date of this letter, after which these costs will no longer be valid. After installation, the total cost for additional modification, relocation or removal will be the responsibility of the requesting party. Payment of the customer contribution must be made prior to the actual start of construction.

Please contact me for a Street Lighting Purchase Agreement if you would like to proceed with the above installation.

Please call if you have questions, 734-397-4017.

Sincerely,

Brandon R. Faron

Brandon R. Faron
Account Manager
Community Lighting

DTE Energy



August 24, 2018

City of Novi
26300 Lee BeGole Dr
Novi, MI 48375
Attn: Rebecca Runkel

Re: City of Novi- Manchester Development Lighting-Nov, MI

Attached is the agreement for the work to be performed in the budget letter was sent on August 22, 2018. A detailed description of the project is outlined in the agreements. Please print **TWO** copies. Please sign **BOTH** copies in the designated areas. A check or Purchase Order in the amount of **\$27,273.57** is also required at this time. Please return **BOTH** signed agreements (as well as check or Purchase Order...made payable to **DTE Energy**) to the following address:

DTE Energy
8001 Haggerty Rd.
Belleville, MI 48111
140 WWSC-Brandon Faron

Upon receipt of BOTH signed copies (and payment), we (DTE Energy) will then sign BOTH copies and return ONE original back to you.

Please call if you have questions, 734-397-4017.

Sincerely,

Brandon R. Faron

Brandon R. Faron
Account Manager
Community Lighting



Exhibit A to Master Agreement

Purchase Agreement

This Purchase Agreement (this "Agreement") is dated as of August 24, 2018 between DTE Electric Company ("Company") and the City of Novi ("Customer").

This Agreement is a "Purchase Agreement" as referenced in the Master Agreement for Municipal Street Lighting dated August 21, 2018 (the "Master Agreement") between Company and Customer. All of the terms of the Master Agreement are incorporated herein by reference. In the event of an inconsistency between this Agreement and the Master Agreement, the terms of this Agreement shall control.

Customer requests the Company to furnish, install, operate and maintain street lighting equipment as set forth below:

1. DTE Work Order Number:	51558218	
	If this is a conversion or replacement, indicate the Work Order Number for current installed equipment: N/A	
2. Location where Equipment will be installed:	[Manchester-Novu Rd, South of 13 Mile], as more fully described on the map attached hereto as <u>Attachment 1</u> .	
3. Total number of lights to be installed:	7	
4. Description of Equipment to be installed (the " <u>Equipment</u> "):	Install seven (7) 60w LED Basic Granvilles with black housing, and seven (7) 12' fiberglass posts on concrete foundations.	
5. Estimated Total Annual Lamp Charges	\$1,871.10	
6. Computation of Contribution in aid of Construction (" <u>CIAC Amount</u> ")	Total estimated construction cost, including labor, materials, and overhead:	\$32,886.87
	Credit for 3 years of lamp charges:	\$5,613.30
	CIAC Amount (cost minus revenue)	\$27,273.57
7. Payment of CIAC Amount:	Due promptly upon execution of this Agreement	
8. Term of Agreement	5 years. Upon expiration of the initial term, this Agreement shall continue on a month-to-month basis until terminated by mutual written consent of the parties or by either party with thirty (30) days prior written notice to the other party.	
9. Does the requested Customer lighting design meet IESNA recommended practices?	(Check One) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If "No", Customer must sign below and acknowledge that the lighting design does not meet IESNA recommended practices <div style="text-align: right;">   </div>	
10. Customer Address for Notices:	City of Novi 26300 Lee BeGole Dr Novi, MI 48375 Attn: Rebecca Runkel	

11. Special Order Material Terms:

All or a portion of the Equipment consists of special order material: (check one) YES NO

If "Yes" is checked, Customer and Company agree to the following additional terms.

A. Customer acknowledges that all or a portion of the Equipment is special order materials ("SOM") and not Company's standard stock. Customer will purchase and stock replacement SOM and spare parts. When replacement equipment or spare parts are installed from Customer's inventory, the Company will credit Customer in the amount of the then current material cost of Company standard street lighting equipment.

B. Customer will maintain an initial inventory of at least 0 posts and 0 luminaires and any other materials agreed to by Company and Customer, and will replenish the stock as the same are drawn from inventory. Costs of initial inventory are included in this Agreement. The Customer agrees to work with the Company to adjust inventory levels from time to time to correspond to actual replacement material needs. If Customer fails to maintain the required inventory, Company, after 30 days' notice to Customer, may (but is not required to) order replacement SOM and Customer will reimburse Company for such costs. Customer's acknowledges that failure to maintain required inventory could result in extended outages due to SOM lead times.

C. The inventory will be stored at N/A.
Access to the Customers inventory site must be provided between the hours of 9:00 am to 4:00 pm, Monday through Friday with the exceptions of federal Holidays. Customer shall name an authorized representative to contact regarding inventory: levels, access, usage, transactions, and provide the following contact information to the Company:

Name: N/A Title: N/A

Phone Number: N/A Email: N/A

The Customer will notify the Company of any changes in the Authorized Customer Representative. The Customer must comply with SOM manufacturer's recommended inventory storage guidelines and practices. Damaged SOM will not be installed by the Company.

D. In the event that SOM is damaged by a third party, the Company may (but is not required to) pursue a damage claim against such third party for collection of all labor and stock replacement value associated with the damage claim. Company will promptly notify Customer as to whether Company will pursue such claim.

E. In the event that SOM becomes obsolete or no longer manufactured, the Customer will be allowed to select new alternate SOM that is compatible with the Company's existing infrastructure.

F. Should the Customer experience excessive LED equipment failures, not supported by LED manufacturer warranties, the Company will replace the LED equipment with other Company supported Solid State or High Intensity Discharge luminaires at the Company's discretion. The full cost to complete these replacements to standard street lighting equipment will be the responsibility of the Customer.

Company and Customer have executed this Purchase Agreement as of the date first written above.

Company:

DTE Electric Company

By: _____

Name: _____

Title: _____

Customer:

City of Novi

By: _____

Name: _____

Title: _____



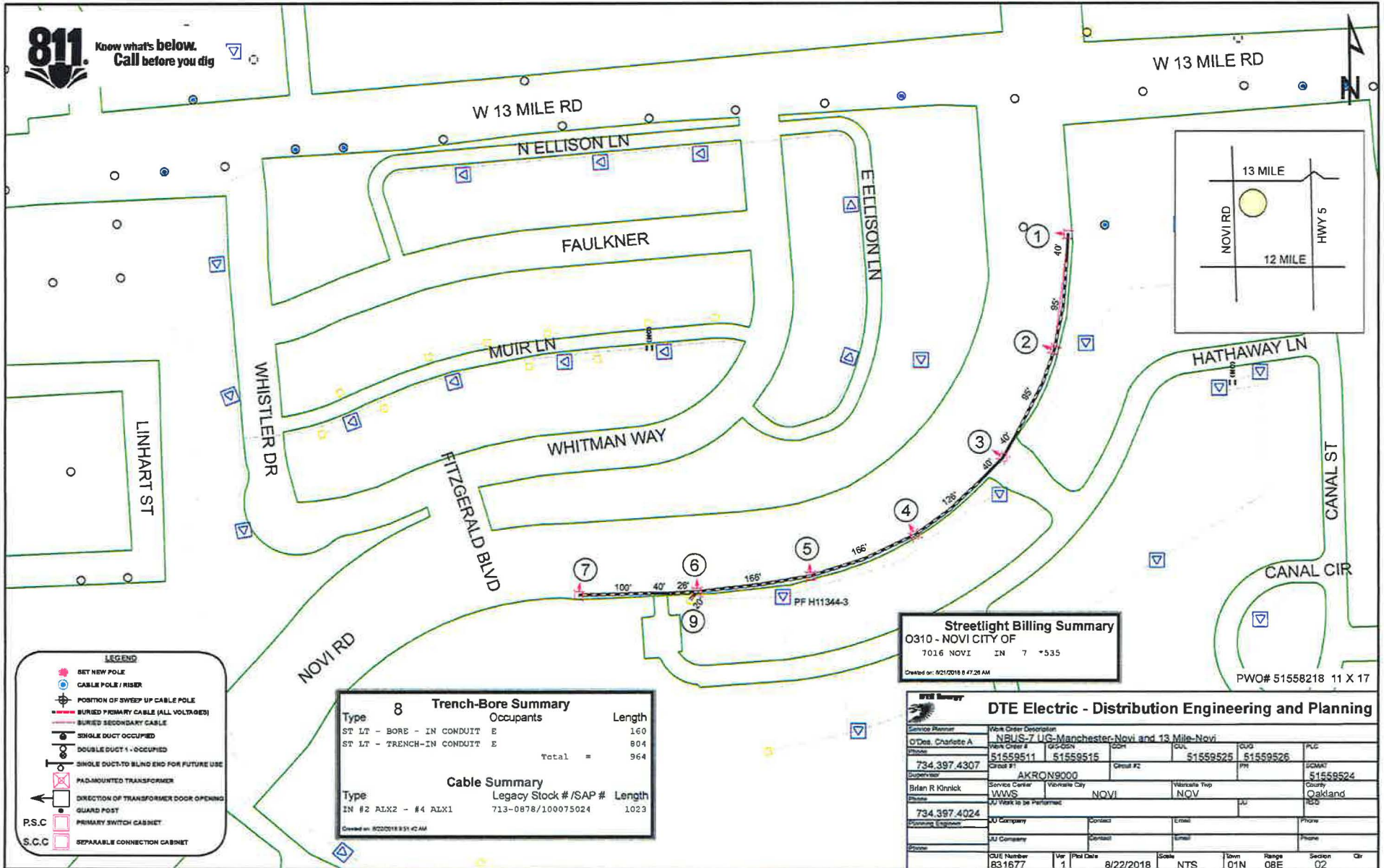
Attachment 1 to Purchase Agreement

Map of Location

[To be attached]



Know what's below.
Call before you dig



Streetlight Billing Summary
 0310 - NOVI CITY OF
 7016 NOVI IN 7 *535
 Created on: 9/21/2018 8:47:28 AM

PWO# 51558218 11 X 17

DTE Electric - Distribution Engineering and Planning									
Service Planner	Work Order Description								
O'Dea, Charlotte A	NBUS-7 UG-Manchester,Novi and 13 Mile-Novl								
Phone: 734.397.4307	Work Order #	GIS-GEN	COPI	CUL	CUJG	PLC	IGMKT	51559524	
	51559511	51559515		51559525	51559526				
Supervisor	AKRON9000		Circuit #2						
Brian R Kinnick	Service Center	Worksite City	Worksite Zip	Worksite State	Worksite Country				
Phone: 734.397.4024	WWS	NOVI	NOV	MI	USA				
Working Engineer	DU Work to be Performed								
	DU								
	DU Company	Contact	Email	Phone					
	DU Company	Contact	Email	Phone					
	DU Number	Ver	Pld Date	Scale	Down	Range	Section	Chr	
	831677	1	8/22/2018	NTS	01N	08E	02		

Type 8 Trench-Bore Summary			
Type	Occupants	Length	
ST LT - BORE - IN CONDUIT	E	160	
ST LT - TRENCH-IN CONDUIT	E	804	
	Total =	964	

Cable Summary			
Type	Legacy Stock # /SAP #	Length	
IN #2 ALX2 - #4 ALX1	713-0878/100075024	1023	

Created on: 8/22/2018 8:31:42 AM

LEGEND

- SET NEW POLE
- CABLE POLE / RISER
- POSITION OF SWEEP UP CABLE POLE
- BURIED PRIMARY CABLE (ALL VOLTAGES)
- BURIED SECONDARY CABLE
- SINGLE DUCT OCCUPIED
- DOUBLE DUCT OCCUPIED
- SINGLE DUCT-TO-BLIND END FOR FUTURE USE
- PAD-MOUNTED TRANSFORMER
- DIRECTION OF TRANSFORMER DOOR OPENING
- GUARD POST
- PRIMARY SWITCH CABINET
- SEPARABLE CONNECTION CABINET

P.S.C.
S.C.C.

AGREEMENT

This Agreement is entered into this 25th day of October, 2018, by and between the CITY OF NOVI, a Michigan municipal corporation, whose address is 45175 Ten Mile Road, Novi, Michigan 48375 (the "City"), and MANCHESTER 13 MILE ROAD, LLC a Michigan LLC, ("Developer") whose address is 45511 Market Street, Shelby Township, Michigan 48315.

RECITATIONS:

The Developer is the entity designated to administer the affairs of said residential multiple-family development

The Developer has requested the City to assist it in making a certain local public improvement consisting of the installation of six (6) street light posts along the frontage on Novi Rd and one (1) street light post at the entrance as described and depicted on the attached Exhibit A hereto.

In accordance with the City's Amended Street Light Policy, dated September 24, 2012, the City will contract directly with DTE for the installation and operation of the type and number of poles and fixtures requested by the Developer.

For all requests for installation of a single standard street light at a major road entrance, the City will contract with DTE for the installation of the requested street light. The City will pay the non-DTE share of the installation cost and the annual cost of operating the street light, in accordance with the City's policy.

For all requests other than installation of a single standard street light at a major road entrance, including a non-standard decorative street light, the City will contract with DTE for the installation of the requested street light or lights. The Developer and/or Association shall reimburse the City for the non-DTE share of the installation cost.

For this development, the City agrees to pay the annual operating costs of the additional six (6) street lights to be installed along Novi Road on the basis that the streetlights benefit the public in addition to benefitting the development.

The City has obtained from the Detroit Edison Company ("DTE") an estimate for the installation and annual operation of the entrance light requiring a charge for the one (1) decorative street light post with one (1) light fixture of \$3,742.56 and an operating cost for the first year in the amount of \$267.30 ("Annual Operating Cost"). The City has also obtained an estimate for the installation and annual operation of the lights along Novi Road, requiring a charge for the six (6) decorative street light posts with six (6) light fixtures of \$23,351.01 and an operating cost for the first year in the amount of \$1,603.80.

The City has agreed to assist the Developer in facilitating the installation and operation of said street lights with DTE.

The parties desire to enter into this Agreement to provide for the payment to the City by the Developer of the cost of installation for the upgrade to the decorative light at the entrance and six (6) additional lights along Novi Road, plus the City's 10% administrative fee, in the total amount of \$27,623.64. The Developer will not be responsible for any of the associated Annual Operating Costs, for which the City will be billed by DTE directly.

NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS:

1. To the extent that DTE may require, the City shall contract with DTE for the installation and operation of the proposed decorative street lights.

2. Upon execution of this Agreement, the Developer shall pay directly to the City the amount of \$27,623.64, representing the Developer portion of the installation cost plus an administrative fee in the amount of 10%, or such other amount as DTE shall require for installation of the proposed street lights.

3. As agreed upon, the City will pay the annual operating costs of the additional six (6) street lights along Novi Road.

4. The parties acknowledge that the payments are based upon estimates of charges imposed by DTE for the lighting service provided, and that the charges imposed by DTE may increase due to unforeseen circumstances and due to the increase of energy costs over time.

5. This Agreement contains the entire agreement between the parties, and to statement, promises, or inducement made by either party or agent of either party that is not contained in this written contract shall be valid or binding; and this contract may not be enlarged, modified or altered except in writing signed by both parties and endorsed hereon.

6. The term of this Agreement shall be for twenty (20) years, and shall automatically renew for additional five (5) years periods thereafter, until such time as either party shall notify the other in writing of its intent not to renew. Such notice of intent not to renew shall be given not less than one year prior to the expiration of the original and any renewal terms.

7. This Agreement shall be binding on all heirs, executors, administrators, successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties have executed this agreement the day and year first written above.


[SIGNATURES BEGIN ON THE NEXT PAGE]

CITY OF NOVI, a Michigan municipal
Corporation

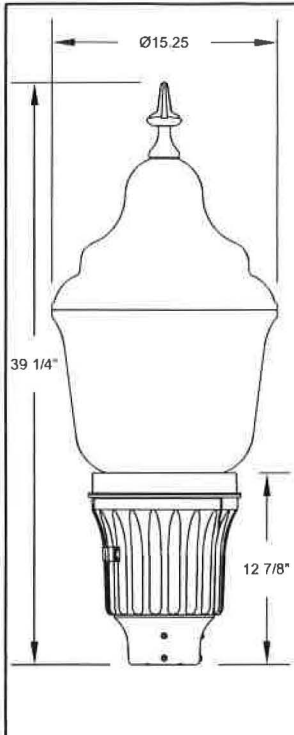
By: Robert J. Gatt
Its: Mayor

By: Cortney Hanson
Its: City Clerk

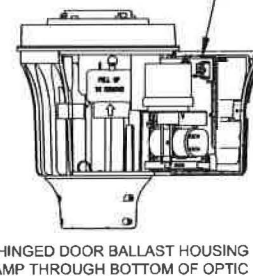
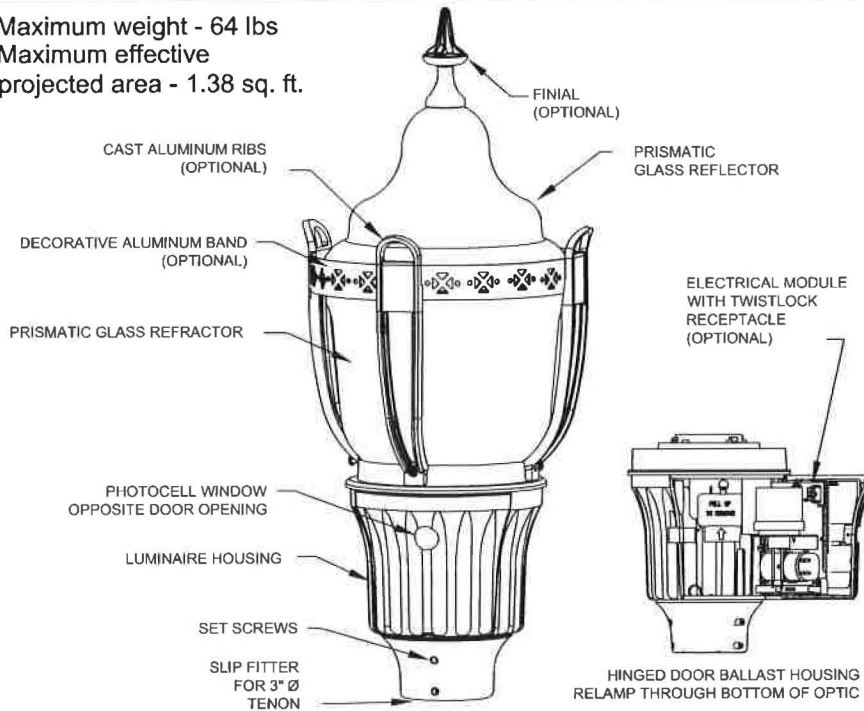
MANCHESTER 13 MILE ROAD, LLC, a
Michigan limited liability company,


By: Michael S. Furnari

Its: Member,



Maximum weight - 64 lbs
 Maximum effective projected area - 1.38 sq. ft.



Granville Premier Series

DECORATIVE
 OUTDOOR



© 2009 Acuity Brands Lighting, Inc. All Rights Reserved.

ORDERING INFORMATION:

GVP

BALLAST TYPE (MOGUL BASE)
 50H = 50W HPS
 (not available with 347 V)
 70H = 70W HPS
 10H = 100W HPS
 15H = 150W 55V HPS
 17P = 175W PM

(MEDIUM BASE)
 H50 = 50W HPS
 (not available with 347 V)
 H70 = 70W HPS
 H10 = 100W HPS
 H15 = 150W 55V HPS
 M10 = 100W MH
 (not available with 480V)

(OTHER)
 42F = 42W COMPACT FL
 57F = 57W COMPACT FL
 70F = 70W COMPACT FL
 I20 = 200W INCANDESCENT

NOTE: MH is compliant with DOE/EISA regulations starting February 10, 2017.

VOLTAGE
 08 = 208 VOLT (C.U.L.)
 (Not available with M70, M10, M15, 42F, 57F, 70F, 55Q, 85Q and I20- Contact TSG)
 12 = 120 VOLT (UL & C.U.L.)
 20 = 208 VOLT
 24 = 240 VOLT
 27 = 277 VOLT (UL & C.U.L.)
 34 = 347 VOLT (C.U.L.)
 40 = 240 VOLT (C.U.L.)
 (Not available with M70, M10, M15, 42F, 57F, 70F, 55Q, 85Q and I20- Contact TSG)
 48 = 480 VOLT
 MA = MULTITAP (factory 120V) (120, 208, 240, 277 VOLT)
 MB = MULTITAP (factory 208V) (120, 208, 240, 277 VOLT)
 MC = MULTITAP (factory 240V) (120, 208, 240, 277 VOLT)
 MD = MULTITAP (factory 277V) (120, 208, 240, 277 VOLT)

HOUSING COLOR
 A = AS SPECIFIED
 B = BLACK
 D = DARK GREEN
 TIGER DRYLAC RAL6005
 E = GREEN
 TIGER DRYLAC RAL6008
 F = DARK GREEN
 TIGER DRYLAC RAL6009
 H = DARK GREEN
 TIGER DRYLAC RAL6012
 N = GREEN
 Z = BRONZE

OPTICS
 3 = ASYMMETRIC DISTRIBUTION
 5 = SYMMETRIC DISTRIBUTION
 6 = ASYMMETRIC DISTRIBUTION W/CUTOFF
 8 = SYMMETRIC DISTRIBUTION W/CUTOFF

FINIAL
 B = BALL
 C = CLEAR
 E = EAGLE
 F = FLOWER
 N = NONE
 P = PAWN
 R = CROSS
 S = STANDARD
 T = ROM CROSS

TRIM COLOR
 A = AS SPECIFIED
 B = BLACK
 D = DARK GREEN
 TIGER DRYLAC RAL6005
 E = GREEN
 TIGER DRYLAC RAL6008
 F = DARK GREEN
 TIGER DRYLAC RAL6009
 G = GOLD
 H = DARK GREEN
 TIGER DRYLAC RAL6012
 N = GREEN
 U = NO TRIM AND CLEAR OR NO FINIAL
 Z = BRONZE

TRIM
 N = NO TRIM
 R = RIBS & BAND
 B = BAND ONLY

HOUSING CHOICE
 M = MODERN FLUTED SWING OPEN DESIGN
 L = LEAF STYLE SWING OPEN DESIGN

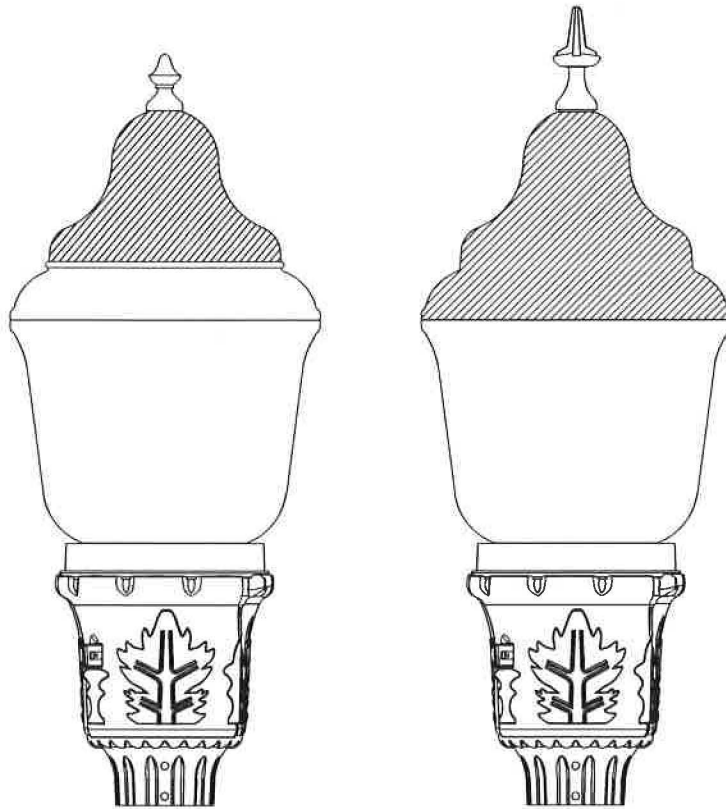
OPTIONS

- H = NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE ONLY
- P = PROTECTED STARTER FOR HPS UNITS ONLY
- T = NEMA TWISTLOCK AND PROTECTED STARTER FOR HPS UNITS ONLY
- C = FULL COVER (SAME AS TRIM COLOR X. MUST ALSO HAVE FINIAL)
- M = MAYFIELD (HALF) COVER (SAME AS TRIM COLOR X. MUST ALSO HAVE FINIAL)
- S = ORIENT HOUSING DOOR WITH STREET
- L1H = 1.5 FEET OF PREWIRED LEADS
- L03 = 3 FEET OF PREWIRED LEADS
- L10 = 10 FEET OF PREWIRED LEADS
- L20 = 20 FEET OF PREWIRED LEADS
- L25 = 25 FEET OF PREWIRED LEADS
- L30 = 30 FEET OF PREWIRED LEADS
- NE = NEMA LABEL
- P27 = DTL TWISTLOCK PHOTOCONTROL 120-277 VOLT
- P48 = DTL TWISTLOCK PHOTOCONTROL 480 VOLT
- PSC = SHORTING CAP

ACCESSORIES

- LAMP = SHIP APPROPRIATE LAMP AS LINE ITEM. SEE LAMP SHEET
- IG-5 = PLUG-IN REPLACEMENT STARTER FOR HPS UNITS
- IG-6 = PLUG-IN REPLACEMENT PROTECTED STARTER FOR HPS UNITS
- IG-7 = PLUG-IN REPLACEMENT STARTER FOR 100 MH UNITS
- GVPHOUSE90 = HOUSE SIDE SHIELD 90 DEGREE (NOT AVAILABLE IN 6 OR 8 OPTIC)
- GVPHOUSE12 = HOUSE SIDE SHIELD 120 DEGREE (NOT AVAILABLE IN 6 OR 8 OPTIC)
- GVPHOUSE18 = HOUSE SIDE SHIELD 180 DEGREE (NOT AVAILABLE IN 6 OR 8 OPTIC)

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 DRAWN: RAF
 DATE: 02/10/2017
 DWG #: LUM_GVP



CLEAR FINIAL
MAYFIELD OPTION
LEAF HOUSING
NO TRIM

STANDARD FINIAL
FULL COVER OPTION
LEAF HOUSING
NO TRIM

FINIALS



BALL



CLEAR



EAGLE



FLOWER



PAWN



CROSS



STANDARD



ROMAN
CROSS

Granville® Premier Series

DECORATIVE
OUTDOOR



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Specifications

GENERAL DESCRIPTION

The Granville Premier is designed for ease of maintenance with the plug-in electrical module common to each of the luminaires in HoloPhane's Utility Luminaire Series. This unit also utilizes a latched, swing open door to allow relamping through the housing without the need to remove the glass assembly. The traditional acorn shaped luminaire, while reminiscent of the 1920's, contains a precision optical system that maximizes post spacings while maintaining uniform illumination.

OPTICAL SYSTEM

The optical system consists of a precisely molded three-piece thermal resistant borosilicate glass refractor and top reflector mounted within decorative aluminum ribs and banding. The glass top reflector redirects over 50% of the upward light into the controlling refractor while allowing a soft uplight component to define the traditional acorn shape of the luminaire. A decorative aluminum cover is available. The lower refractor uses precisely molded prisms to maximize pole spacings while maintaining uniform illuminance. Two refractors are available, symmetric distribution and asymmetric distribution. The cutoff optic option replaces inner glass refractor with segmented mirror-metal reflector which is designed for less than 5% uplight.

LUMINAIRE HOUSING

The luminaire housing, cast of aluminum, provides an enclosure for the plug-in electrical module. Glass optical assembly is secured in the factory to this housing using stainless steel 1/4-20 bolts. 1/4-20 bolts also support the decorative rib and banding assembly. The nickel plated lamp grip socket and three station incoming line terminal block are wired to a five conductor receptacle for ease in connection the electrical module. The slipfitter will accept a 3" by 2-7/8" to 3-1/8" O.D. tenon.

LUMINAIRE HOUSING / DOOR

Cast of aluminum, the housing / door is removable without the use of tools and is retained by a nonconductive lanyard. For units with an E.E.I.-N.E.M.A. twist lock photocell receptacle, the housing contains a "window" to allow light to reach the cell.

ELECTRICAL MODULE

The ballast components are mounted on a steel plate that is removable without the use of tools. A matching five conductor plug connects to the receptacle in the luminaire housing to complete the wiring. Where a starting aid is required, it is provided with a separate plug-in connector and can be replaced without the use of tools. For photoelectric operation, the electrical module is provided with an E.E.I.-N.E.M.A. twist lock photocell receptacle.

BALLASTS

(Refer to Ballast Data Sheet for specific operation characteristics)

50 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballast are High Power Factor Autotransformer type.

175 watt Metal Halide (MH) ballasts are CWA ballast. MH units are available only with (120V, 208V, 240V, 277V) multitap High Power Factor High reactance type ballast. MH is compliant with DOE/EISA regulations starting February 10, 2017.

FINISH

The luminaire is finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability.

UL LISTING

The luminaire is UL listed as suitable for wet locations at a maximum 40° C ambient temperature for HID, Incandescent, and CFL sources. Induction sources are listed as suitable for wet locations at a maximum of 35°C.

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