



Yamhill County
OREGON
Excellence in Service

March 27, 2020

Re: Outside Security Lighting

To: Board of Commissioners
Cc: Ken Huffer, Justin Hogue

Part of the 2019-20 CIP is addressing outside security lighting in various places around county offices. On February 26, 2020 we sent out an RFQ to install four light poles and lights in the parking lots that serve both the Annex and the Abacus buildings. Along with lighting, conduit will be put in place to each pole to accommodate future camera installations to enhance security in these locations.

The RFQ was sent out to three local Electrical contractors, their responses are as follows;

Farnham Electrical Construction	\$27,945.00
GPEC Electrical Contractors	\$35,850.00
Nice Electric Co.	No Response

Based on the above responses I respectfully recommend we accept the quote from Farnham for the installation.

Thank you,

Joe Moore
Yamhill County Facilities Manager

Accepted by Yamhill County
Board of Commissioners on
4/2/2020 by Board Order
20-113



FARNHAM ELECTRIC CONSTRUCTION

Serving the Community Since 1920.

SOLAR • AGRICULTURAL • INDUSTRIAL • COMMERCIAL • WINERIES • RESIDENTIAL

Proposal TH 2465

March 26, 2020

Yamhill County
Attn: Joe Moore
moorej@co.yamhill.or.us
971-267-0580

Re: Outside Security Lighting:

Thank you for the opportunity to provide you quotation for this project. The following scope of work is what we have predicated our cost on.

Scope of Work:

- 1) Install Qty. 4) 25ft. light pole locations with Qty. 2) LED light fixtures on each pole (see attached cut sheets/photometric layout.
 - a. Bring dedicated lighting circuit/conduit raceway from electrical room via roof top raceway to exterior of building out to light pole locations.
 - b. Provide photocell control.
- 2) Install additional PVC conduit from exterior of building to each light pole for future camera raceway. Install pull string.
- 3) Price includes labor, material, bucket truck and electrical permit.
- 4) Price includes asphalt cutting, excavation and asphalt patching.

We are pleased to offer you a quote of \$27,945.00. If you have any questions, please feel free to contact me.

Sincerely
Travis Hunt

Sign and return one copy of this proposal before work can begin. Thank You.

Submitted By: _____ Date: _____

Accepted By: _____ Date: _____

■ McMinnville 503.472.2186 ■ SALEM 503.581.6287 ■ PORTLAND 503.222.7138 ■ FAX 503.472.4042 ■ AFTER HOURS 503.434.5185

PO Box 7 McMinnville, OR 97128

PROUD MEMBERS OF NECA / IBEW

B.O. 20-113
Exhibit "A"
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ALED-CMB2/150W-25P

RAB



78W and 150W specification-grade area lights with IES Type III distribution, offered in combination with poles. For use in roadway, general parking and other area lighting applications where a larger pool of lighting is required.

Color: Bronze

Weight: 0.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	1.31A
208V	0.80A
240V	0.69A
277V	0.60A
Input Watts	155.20W

LED Info

Watts	150W
Color Temp	5000K (Cool)
Color Accuracy	71 CRI
L70 Lifespan	100,000
Lumens	16,838
Efficacy	108.5 LPW

Technical Specifications

Fixture

Quantity:

2 qty of ALED3T150

Listings

UL Listed:

Suitable for wet locations as a downlight

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

CSA Listed:

Suitable for wet locations

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: PHQG1YES

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

LEDs:

Multi-chip, high-output, long-life LEDs

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warranted to shift no more than 200K in color temperature over a 5-year period

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Construction

IES Classification:

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

Effective Projected Area:

EPA = 0.75

Maximum Ambient Temperature:

Suitable for use in 40°C (104°F)

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Thermal Management:

Superior thermal management with external "Air-Flow" fins

Lens:

Tempered glass lens included

IP Rating:

Ingress Protection rating of IP66 for dust and water

Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease.

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High-temperature silicone gaskets

Technical Specifications (continued)

Construction

Finish:

Formulated for high durability and long-lasting color

Weight:

32.5 lbs

Green Technology:

Mercury and UV free. RoHS-compliant components.

Shaft:

46,000 p.s.i. minimum yield.

Hand Holes:

Reinforced with grounding lug and removable cover

Base Plates:

Slotted base plates 36,000 p.s.i.

Max Wind (MPH):

100 MPH

Color:

Bronze powder coating

Height:

25 FT

Gauge:

7

Wall Thickness:

1/8"

Shaft Size:

4"

Hand Hole Dimensions:

3" x 5"

Bolt Circle:

8 1/2"

Base Dimension:

8"

Anchor Bolt:

Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook.

Anchor Bolt Templates:

WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available [online](#).

Optical

BUG Rating:

B1 U0 G2

Other

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Replacement:

Replaces 400W Metal Halide (per fixture)

Shipping Protection:

All poles are shipped in individual corrugated cartons to prevent finish damage

Terms of Sale:

Pole Terms of Sale is available [online](#).

Shipping:

All components ship separately

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Electrical

Drivers:

Two Drivers, Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, Power Factor 98% (per fixture)

THD:

6% at 120V, 11.3% at 277V (per fixture)



Date : 26 Mar 2020

Title : Enter the title here...

desc : Enter the description here...

For : Client's name or company...

By : Your name or company...

Luminaire

IES Filename : aled3t150-2.ies

Description : ALED3T150 - RWLED3T150 - RWLED3T150SF -
WPLED3T150 (TYPE III)
CAST FINNED METAL HOUSING, 6 CIRCUIT
BOARDS EACH WITH 1

Light Loss Factor : 1.00

Number of Lamps : 6

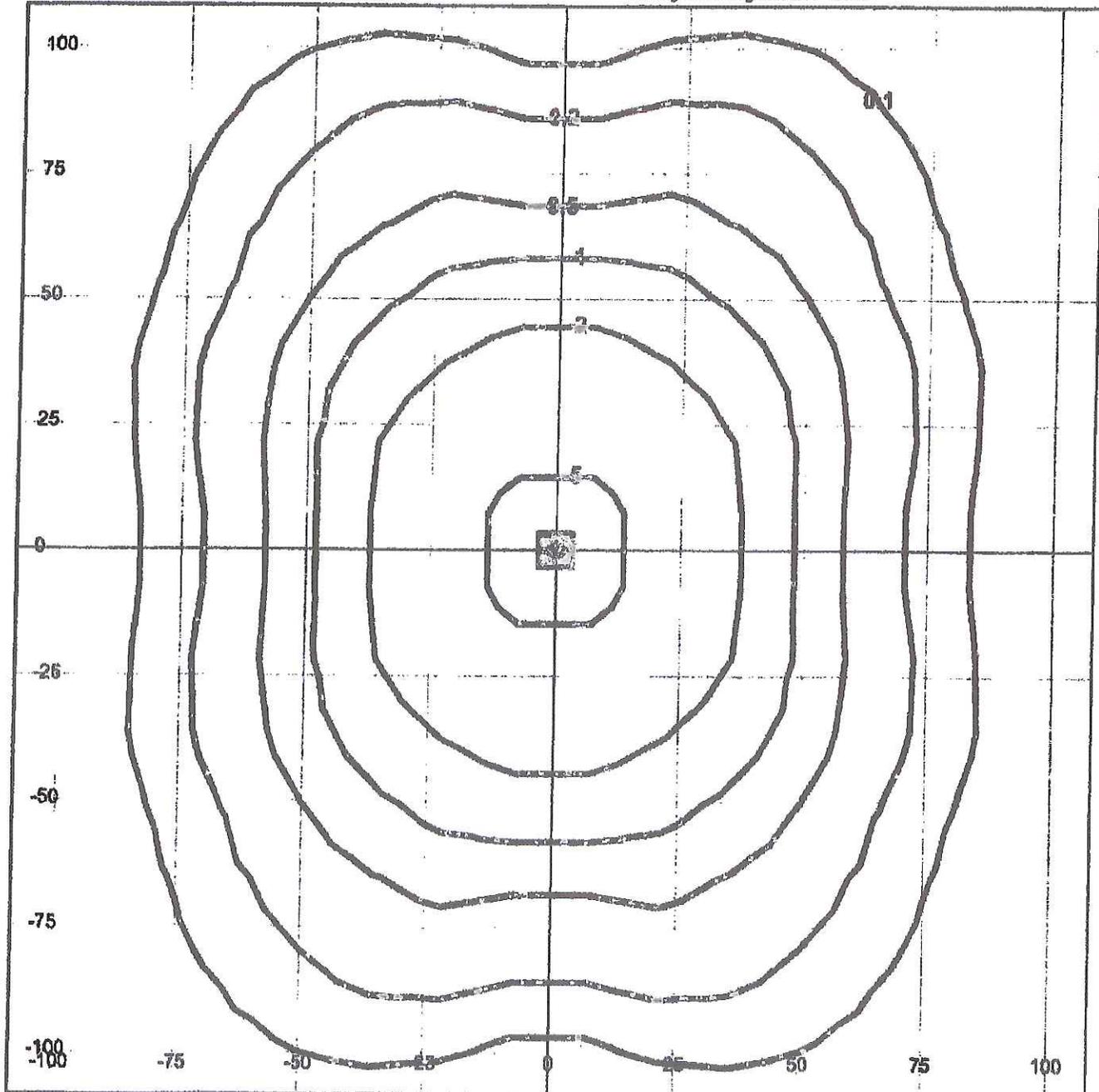
Lamp Lumens : -1 lms

Luminaire Watts : 150 W



Scale: 0 31 62 feet

Arrangement Magnification: 100 %



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EXhibit "A"
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