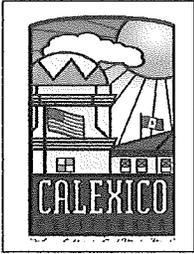


AGENDA
ITEM

14



AGENDA STAFF REPORT

DATE: October 17, 2018

TO: Mayor and City Council

APPROVED BY: David Dale, City Manager *DD*

PREPARED BY: Lilliana Falomir, Public Works Manager

SUBJECT: Authorize City Manager to Sign Change Order No. 1 with Pyramid Construction and Aggregate, Inc. in the amount of \$247,920.00 for Cesar Chavez Blvd. Improvements Federal-Aid Project No. HPLUL-5168(017).

=====

Recommendation:

Authorize City Manager to Sign Change Order No. 1 with Pyramid Construction and Aggregate, Inc. in the amount of \$247,920.00 for Cesar Chavez Blvd. Improvements Federal-Aid Project No. HPLUL-5168(017).

Background:

The City of Calexico Public Works Department has received a grant from the Department of Transportation for construction in the amount of \$7,104,240.00 (Federal \$5,500,000.00 and Local Match \$1,604,240.00) for Federal Project No. HPLUL-5168(017) Cesar Chavez Blvd./Calexico-West Port of Entry between HWY 98 and Second Street. On August 1, 2018 the City Council awarded a construction contract to Pyramid Construction and Aggregate, Inc. for the above-mentioned project in the amount of \$6,022,219.00.

Discussion & Analysis:

When Cesar Chavez Blvd. construction is complete, it will become the City's main corridor to the west Port-of-Entry. City Council has requested that staff make every effort to improve the aesthetics of the city. Public Works staff requested a price quote from the Contractor, Pyramid Construction and Aggregate, Inc., to install decorative street lights in lieu of the standard light poles along the east and west side of Cesar Chavez Blvd. from 2nd Street to HWY 98 to provide a more aesthetically pleasing roadway. The plans show light poles to be installed on the west side only. The proposal includes installing light poles on both sides of the road. Light will be better spread with poles on both sides, and it increases constructability. The lights will be installed on the east side of the roadway first. Once these are energized, the existing poles on the west

AGENDA ITEM 14

side can be removed. In this way, the roadway will be illuminated at all times. Public Works staff is requesting that the City Council approve the following change order:

- 20 Traditional Decorative Street Lights \$79,360.00
- 8 Additional Traditional Decorative Street Lights \$100,760.00
- Hingable Banner Brackets \$30,800.00
- Additional Cost for Alternating Street Lights \$37,000.00

With Change Order No. 1 the new contract amount will be \$6,270,138.00.

Fiscal Impact:

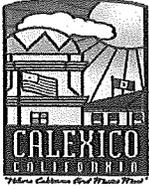
Federal Grant and SB 1 (Local Match) - \$247,920.00

Coordinated With:

Public Works Department.

Attachment(s):

1. Change Order No. 1



**CITY OF CALEXICO
PUBLIC WORKS DEPARTMENT
CHANGE ORDER NO. 1**

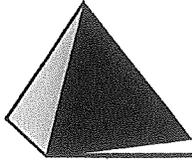
Name of Project: Cesar Chavez Blvd. Improvements
Federal-Aid Project No. HPLUL-5168(017)
Name of Contractor: Pyramid Construction and Aggregate, Inc.
Date: 10/17/18

#	Description	Price Increase	Price Decrease	Time Extension
1	20 Traditional Decorative Street Lights	\$ 79,360.00		
2	8 Additional Traditional Decorative Street Lights	\$ 100,760.00		
3	Hingable Banner Brackets	\$ 30,800.00		
4	Additional Cost for Alternating Street Lights	\$ 37,000.00		
	Sub-Total	\$ 247,920.00		
	Total	\$	247,920.00	
	Contract Amount	\$	6,022,218.00	
	Total Contract Amount (Contract + Change Order No. 1)	\$	6,270,138.00	

David Dale, City Manager
City of Calexico, 608 Heber Avenue, Calexico, California

Sameer Patel, Project Engineer
The Holt Group, Inc., 2415 Imperial Business Park Dr., Imperial, California

Archie Abeyta, Project Manager
Pyramid Construction and Aggregate, Inc., 839 Rockwood Road, Heber, California



**PYRAMID
CONSTRUCTION
AND AGGREGATES, INC.**

General Engineering Contractor
State Contractor Lic. No. 866533

October 9, 2018

The Holt Group
1601 N Imperial Ave
El Centro, CA 92243

Reference: Lighting Cost Memorialized

Attention; Juny Marmolejo

Pyramid would like to memorialize the costs for the additional lighting.

28	-TRADITIONAL SERVICE POLES TEXTURED BLACKCOLOR P59	
28	-ORNAMENTAL BASE AP-0816 TEXTURED BLACK COLOR P59	
28	- LEXITON FIXTURE DECORATIVE AP-7524 LED EQUIVALENT TO 250 WATT HIGH PRESURE SODIUM TEXTURED BLACK COLOR P59	
	Additional to the contract	\$180,000.00
56	- HINGABLE BANNER BRACKETS SH-3525-42PB TEXTURED BLACK COLOR	
	Additional to the contract	\$30,800
	LIGHT TO BE INSTALLED PER NEW LAYOUT PER THE HOLT GROUP- Alternating sides Cost-Running conduit on east side, behind curb and two pull boxes	
	Additional to the contract	\$37,000
	COLOR WAS CHOSEN BY LILLY AT CALEXICO PUBLIC WORKS-Black	
	No Additional costs above the costs	
	Total additional cost for lighting	\$247,800

Archie Abeyta
Project Manager

▶ Traditional Roadway Poles

AP-7523 HID
AP-7524 LED

A Simple Utility Decorative Design

- Works well with both decorative and Roadway luminaires
- Available in heights of 22', 25' and 30'
- Luminaire arms are 8' in both single and twin arm configurations
- Ideal for both Roadway and Parking Lot applications
- Available with nut covers or optional decorative base covers
- Steel Poles available in several standard colors, as well as many custom colors (RAL required)

■ AP-8301 Single
8' Arm Traditional
Tapered 30' Pole

■ AP-8489 Single
8' Arm Traditional
Tapered 22'6" Pole

■ AP-0816 (Optional Base)

Pelco Presents Its Newest Lighting Solution: Lexington LED

Pelco's Lexington LED features the next generation of technology.

The Lexington was designed for ease of installation and toolless maintenance. The Lexington is available as LED, featured here, or an HID luminaire. The LED version features patented technology, complete with all the options and accessories municipalities and utilities have acknowledged as their preferred choice for energy-savings solutions.

Here are some other great features of the Pelco Lexington LED:

1

High output, high brightness LEDs

2

Full cut-off optics available

3

LED arrays are roof mounted to minimize up light

4

LED arrays are built in series-parallel circuits to maintain overall light output in the event of single LED failures

5

Life expectancy of about 70,000 hours with not less than 70% of original brightness

6

LEDs and printed circuit board are environmentally friendly, 100% recyclable

7

Driver has overload and short circuit protection

8

Diecast aluminum fitter, diecast aluminum housing

9

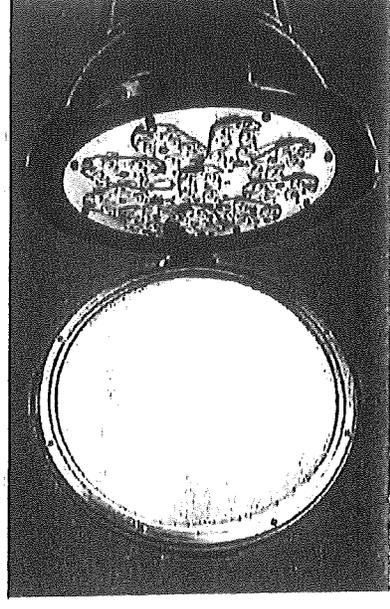
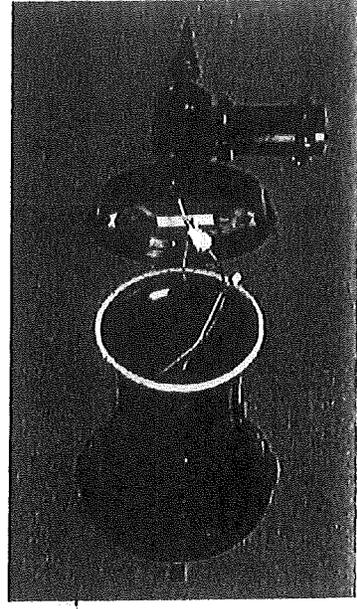
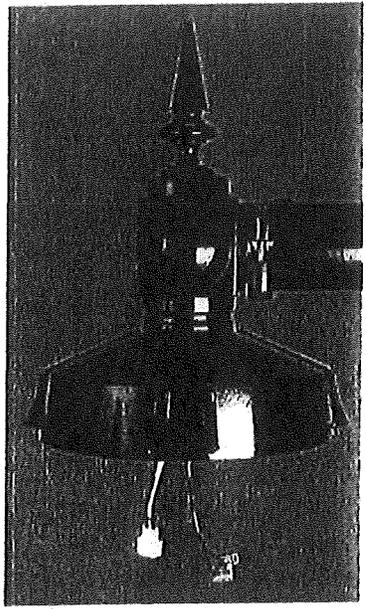
Fixture is sealed with silicone gasketing

pelco
PELCO PRODUCTS, INC.

320 W. 18th St. • Edmond, OK 73013 • 405.340.3434 • Fax 405.340.3435 • pelcoinc.com • e-mail: sales@pelcoinc.com

Product's
Assembly

Kingston
Warranty



1

EASY POWER CONNECTIONS

The LED driver is securely mounted inside the housing for optimized performance and longevity. It is supplied with a quick disconnect electrical connector on the power supply.



2

EASY MAINTENANCE

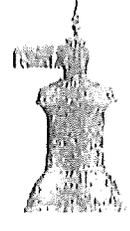
The body is hinged with a stainless steel pin and secured with toolless stainless steel spring latch. Make the electrical connections and insert pins to secure to the top housing.



3

LED ARRAYS

The LED arrays are mounted to minimize up-light. Attach the hinged globe and lock pin into place to secure.



320 W. 18th St. • Edmond, OK 73013 • 405.340.3434 • Fax 405.340.3435 • pelcoinc.com • e-mail: sales@pelcoinc.com



AP-7524

Lexington Luminaire
 Max Weight: 76.0 lbs
 Max EPA: 1.65 sq ft

Sample	AP-7524	97W	3LED	4K	480V	PC	T3AC	SHA	P33
Ordering									
	Model	Wattage	LED	Color Temp	Voltage	Photocell	Optics	Shade	Paint

Model:

AP-7524 Lexington Luminaire (LED)

Wattage:

97W 97 watts

LED:

3LED 3 LED array

Color Temp:

4K 4000 kelvin

Voltage:

480V 480 volts

UNV 120-277 volts

Twist Lock Photocell:

PC photocell (7 pin)

SC shorting cap

PCS socket only (7 pin)

Optics:

T3AC type III acrylic globe

Shade:

SHA spun aluminum shade

Paint Color:

PXX powder coat color

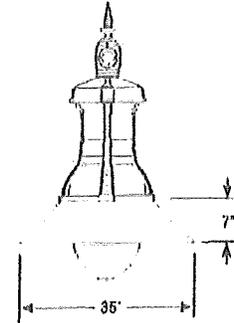
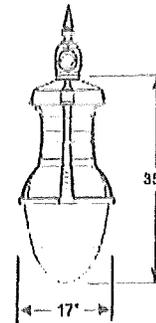


Figure 1

Note: For use with Ø2-3/8" arm connection allows for ±5° tilt for leveling

Fixture

The standard luminaire shall be 17" wide and 35" tall. It shall be made of heavy wall cast aluminum alloy. The Luminaire shall be UL listed in the US and Canada.

Shade

An optional 31" diameter x 7" tall spun aluminum shade is available which helps reduce upright while offering a unique element to the fixture.

Mounting

The Lexington shall have a hangstraight, clamp style mount with spike finial for use with a 2-3/8" diameter arm.

LEDs

The luminaire shall use high output, high brightness LED's, consisting of a two piece assembly complete with chip on board (COB) LED component and COB holder frame. The LED's and printed circuit boards shall be 100% recyclable; they shall also be protected from moisture and corrosion by a conformal coating of 1 to 3 mils. They shall not contain lead, mercury, or any other hazardous substances and shall be RoHS compliant. The LED life rating data shall be determined in accordance with IESNA LM-80. The high performance white LED's will have a life expectancy of approximately 100,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C. The high brightness, high output LED's shall be 4000K color temperature with a minimum of 70 CRI. Consult factory for custom color CCT. The luminaire shall have a minimum 14,280 when operated at steady state with an average ambient temperature of 25°C (77°F).

Optics

The luminaire shall be provided with individual acrylic, refractor type optics applied to each LED. The luminaire shall provide Type 3 light distribution per the IESNA classifications. Testing will be done in accordance with IESNA LM-79.

(continued on page 2 of 2)

(continued from page 1 of 2)

Electronic Drivers

The LED driver shall be U.L. Recognized. It shall be securely mounted inside the fixture, for optimized performance and longevity. It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload as well as short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be a high efficiency driver with a THD less than 20% and a high power factor greater than .9. It shall be dimming capable using a 0-10v signal. Consult factory for more information.

Lens

Lens material is DR Acrylic. An Injection, molding process for the teardrop lens adds textured ribs to the surface for glare mitigation and even wall thickness for impact resistance.

Photocontrol Options

The twist-lock style photocontrol shall be mounted in the body of the fixture and pre-wired to ballast. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

Warranty

Seven-year limited warranty. See product warranty guide for details.

Finish

Prior to coating, each assembly is chemically cleaned and etched in a 5-stage washing system to ensure corrosion resistance and excellent adhesion for the finish coating. The finish coating is electrostatically applied semi-gloss, super durable polyester powder baked at 400 degrees for a durable and superior, color retentive finish.

Performance

Light Source	T3 Delivered Lumens	Efficacy (LPW)	Wattage
AP-7524-97W-3LED-T3AC	14280	147.2	97



www.pelcoinc.com
EDMOND, OK 73013
405-340-3434
FAX: 405-340-3435

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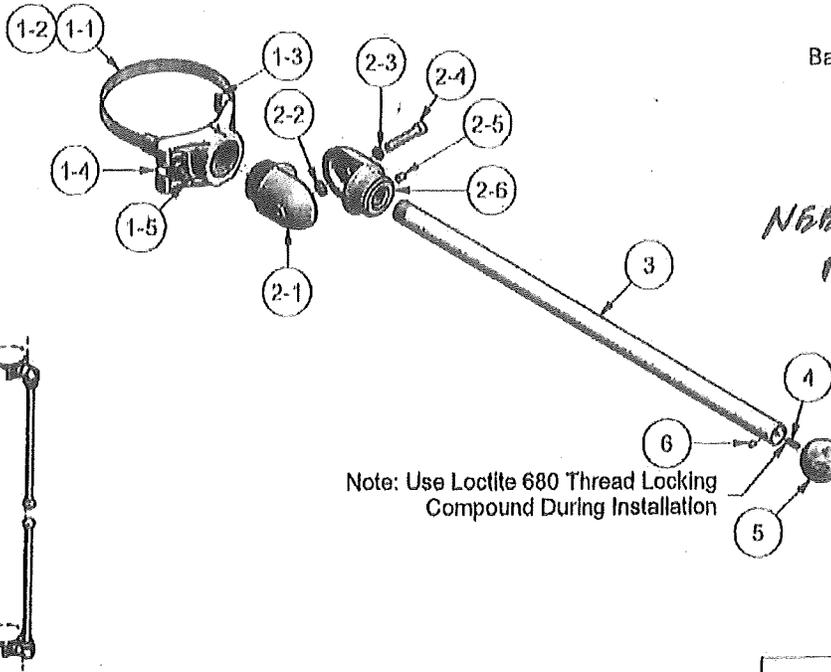
ASSEMBLY SHEET

REF

TITLE: Banner Mounting Bracket, Mini-Brac, Band Mount, Alum

PART NO.:

SH-3525



PART NO
SH-3525-18-42-BLXX-PXX

Banner Width
Band Length
Finial/Color
Paint

*NEED - 2
PER BANNER*

- AP-8175 Ball (-BL)
- FS-3237-SS
- AP-8297 1-1/2" Spear (-SE)
- FS-3270-SS

Note: Use Loctite 680 Thread Locking Compound During Installation

Finial Options

Note:

1. Please Specify Banner Width.
2. (2) Bracket Assy's Required to Mount Banner.
3. Package Band and Hardware Separately.
4. 42" Band fits 4"-12" Pole Dia.

Banner Width	Rod Length
18"	19-1/2"
24"	25-1/2"
30"	31-1/2"
36"	37-1/2"

OPTIONS	
Banner Width	18", 24" 30", or 36"
Band Length:	29", 42"
Finial: (Same Color as Assy or Gold)	2" Ball or 1-1/2" Spear
Paint:	

ITEM	PART NUMBER	DESCRIPTION	QTY
1	AB-0121-L-PXX	Astro Mini-Brac, 1-1/2" NPS, Band Mount Alum	1
1-1	AB-0243-L	Astro-Brac Clamp Kit, Band Mount	1
1-2	FS-6201-ZN1	Pin, Groove 3/16" x 1-1/4", Type E, Zinc 1	1
1-3	FS-3205-SS	Set Screw, Square Hd, Cup Point, 1/4"-20 x 5/8", Type 304 Stainless	1
1-4	AB-0266-M1	Clamp, Mini-Brac Band Mount, 1-1/2" NPS, Alum	1
1-5	AB-0303-GLV	Kit, Clamp Screw, Mini-Brac w/ Galv Screw & Stainless Hdw	1
2	SH-3518-PXX	Banner Bracket Sub-Assy, Serrated Articulating, 1-1/2" NPS x 1"-8, Alum	1
2-1	SH-2024-M6	Elbow, Serrated Articulating, 1-1/2" NPS Ext Thd	1
2-2	FS-9095-ZN1	Nut, Push, 3/8", Zinc1	1
2-3	FS-4227-SS	Lock Washer, Split High Collar, 3/8", Type 304 Stainless	1
2-4	FS-2147-SS	Hexagon Socket Head Cap Screw	1
2-5	FS-3228-SS	Set Screw, Soc Hd, 5/16"-18 x 1/2", Type 304 Stainless	1
2-6	SH-2024-M3	Elbow, Serrated Articulating, 1"-8NC Int Thd & Cntrbore, Alum	1
3	AP-8264-25.5	Rod, 1"-8NC TOE x Length, Alum	1
4	FS-3237-SS	Set Screw, Soc Hd, 1/4"-20 x 3/4", Type 304 Stainless	1
5	AP-8175-PXX	Ball, 2" Dia., Hollow, Stainless	1
6	FS-3217-SS	Set Screw, Soc Hd, 1/4"-20 x 3/8", Type 304 Stainless	1