

**ADDENDUM NO. 1**

**Project:** RFQ/RFP No. 17/18-01MO, Clean Energy Jobs Act Proposition 39  
LED Lighting Retrofit at Irvine High School

**Date:** February 7, 2018

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**To any and all concerned parties:**

This addendum adds to or modifies the contract documents for the above project. This addendum shall supersede all previously issued specifications, addenda and any other written or verbal direction. The modifications within this addendum shall be made part of the contract documents and shall be subject to all applicable requirements thereto:

**Item 1.01 Attachment A**

Delete – Attachment A - Detailed Lighting Audit

Insert – Attachment A - Detailed Lighting Audit V2 – *download document separately*

*Description:* Revised proposed solutions and existing fixture count and type, lighting controls, updated emergency lighting proposed solutions. Formatting changes.

*Alterations Made:* Emergency lighting scope of work has been updated to include different emergency lighting options. Spreadsheet can be sorted by table columns.

The following proposed emergency lighting solutions have been added to the scope of work;

1. “Emergency Lighting Adder - Integrated Lighting Unit” – Please include the cost for an emergency backup option on interior LED retrofit kit and fixture replacements at the quantity listed (minimum 700 lumens).
2. “Emergency Lighting Adder - Linear Fluorescent Lighting Unit” – The proposed solution calls for a linear fluorescent Emergency Driver that allows the same fixture to be used for both normal and emergency operation (minimum 800 lumens).
3. “Emergency Lighting Adder - Fluorescent Lighting Unit” - The proposed solution calls for a fluorescent Emergency Driver that allows the same fixture to be used for both normal and emergency operation (minimum 650 lumens). Ballast must be compatible with 10W-42W twin, triple, quad tube, 2D & straight 4-Pin compact fluorescent lamps and 18W-36W long compact fluorescent lamps.

**Item 1.02 Lighting Specifications**

DELETE: Lighting Specifications - **SECTION 26 51 00 - INTERIOR LIGHTING, Part 2 – Products, Section 2.1**

#### A. LED RETROFIT KITS/FLAT PANEL

##### Door Kit Retrofit Type.

1. LED lensed retrofit kit with steel housing and die formed white painted reflector; single piece diffused lens with convex wings; luminous center spline with white trim.
2. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
  - a. Philips.
  - b. Sylvania Lighting.
  - c. Maxlite.
  - d. Lithonia Lighting.
  - e. CREE
  - f. Or District approved equal.
3. Construction: Galvanized steel and powder coated after fabrication.
4. Color: White.
5. Minimum depth on kit: 3 inches.
6. CRI: >82.
7. LPW: >105.
8. Driver: Internal, dimmable 0-10V
9. Size: 2 feet x 4 feet, 2 feet x 2 feet, 1 foot x 4 feet
10. Color temperature (K): 4,000K.

##### B. LED Flat Panel.

1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
  - a. Philips.
  - b. Sylvania Lighting.
  - c. Maxlite.
  - d. Lithonia Lighting.
  - e. DECO Lighting.
  - f. Or District approved equal.
2. Construction: Galvanized steel and powder coated after fabrication.
3. Color: White.
4. Minimum depth on kit: 3 inches.
5. CRI: >80.
6. LPW:> 105
7. Driver: Internal, dimmable 0-10V
8. Size: 2 feet x 4 feet, 2 feet x 2 feet, 1 foot x 4 feet
9. Color temperature (K): 4,000k.

#### INSERT: Lighting Specifications - **SECTION 26 51 00 - INTERIOR LIGHTING, Part 2 – Products, Section 2.1**

##### INDOOR LUMINAIRE, TROFFER, INTEGRATED RETROFIT KIT

##### 1. Kit Type.

1. Product must be listed on the DesignLights Consortium Premium qualified products list. Linear LED retrofit kits do not qualify.

2. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

- a. Philips.
- b. Sylvania Lighting.
- c. Maxlite.
- d. Lithonia Lighting.
- e. CREE
- f. Or District approved equal.

2. Construction: Galvanized steel and powder coated after fabrication.

3. Color: White.

4. Minimum depth: 3 inches.

5. CRI:  $\geq 80$ .

6. Driver: Internal, dimmable 0-10V

7. Size: 2 feet x 4 feet, 2 feet x 2 feet, 1 foot x 4 feet

8. Color temperature (K): 4,000K.

9. DLC listed initial output must be  $\geq 2,200$  lm and  $\leq 6,500$  lm

10.  $\geq 125$  lumens/Watt

11. 50,000 hour L70 Lumen Maintenance

12. Spacing Criteria from 1.0 to 2.0 in both the 0-180 degree and 90-270 degree directions.

13.  $\geq 75\%$  of lumen output in the 0-60 degree zone.

B. Indoor Luminaire, Troffer, LED Flat Panel.

1. Product must be listed on the DesignLights Consortium Premium qualified products list.

2. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

- a. Philips.
- b. Sylvania Lighting.
- c. Maxlite.
- d. Lithonia Lighting.
- e. DECO Lighting.
- f. Or District approved equal.

2. Construction: Galvanized steel and powder coated after fabrication.

3. Color: White.

4. Minimum depth: 3 inches.

5. CRI:  $\geq 80$ .

6. Driver: Internal, dimmable 0-10V

7. Size: 2 feet x 4 feet, 2 feet x 2 feet, 1 foot x 4 feet

8. Color temperature (K): 4,000K.

9. DLC listed initial output must be  $\geq 2,200$  lm and  $\leq 6,500$  lm

10.  $\geq 125$  lumens/Watt

11. 50,000 hour L70 Lumen Maintenance

12. Spacing Criteria from 1.0 to 2.0 in both the 0-180 degree and 90-270 degree directions.

13.  $\geq 75\%$  of lumen output in the 0-60-degree zone.

**Item 1.03 Estimated Project Energy Savings and Project Construction Estimate****DELETE:**

1. The Irvine Unified School District will provide funding for this project through Proposition 39, the California Clean Energy Jobs Act. The estimated cost for this project is **\$553,425**.
2. Projected Energy Savings for the project is **270,624 kWh** per year.

**INSERT:**

1. The Irvine Unified School District will provide funding for this project through Proposition 39, the California Clean Energy Jobs Act. The estimated cost for this project is **\$548,062**.
2. Projected Energy Savings for the project is **262,879 kWh** per year.

**Item 1.04 As Builts for Irvine High School**

1. Irvine High School Electrical As Builts Modification 1987 – *download document separately*
2. Irvine High School Electrical As Builts Modification 2000 – *download document separately*
3. Irvine High School Electrical As Builts Original Construction – *download document separately*

**Attachments:**

1. Attachment A – Detailed Lighting Audit V2 – *download document separately*
2. As Builts for Irvine High School, three (3) separate documents – *download document separately*

END OF DOCUMENT