



# Change Order

Facility Solutions • Efficiency Solutions • Arena Solutions

Client: Belle Plaine School District  
Project: Lighting Retrofit Project

Change Order No: 1  
5/23/2017

### The Contract is Changed as Follows:

Lighting Retrofit Project Scope of Work will be modified according to Attachment 1. In general, this revised scope of work includes lighting retrofits, programmable lighting controls, programmable wireless switches, disposal and recycling.

Original Contract Value:	\$688,300.00
Net Prior Change Orders:	\$0.00
Contract Value Prior to this Change Order:	\$688,300.00
This Change Order Add (Deduct):	\$179,478.00
<b>New Contract Value after Change Order:</b>	<b>\$867,778.00</b>

### NOT VALID UNTIL SIGNED BY THE CONSTRUCTION MANAGER, CONTRACTOR AND OWNER

Apex Efficiency Solutions, Inc.  
Construction Manager

Belle Plaine School District  
Owner

By (Signature)

By (Signature)

Mark Rasmussen  
By (Typed)

Chuck Keller  
By (Typed)

Date

Date



Client: Belle Plaine School District  
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 5/10/2017

## Attachment 1

### 1.0 SCOPE

1.1 Scope Overview. The purpose of this project is to upgrade light fixtures, lamps and ballasts for Belle Plaine school District in regards to the buildings identified in Section 1.1.3 ("Affected Facilities").

1.1.1 Scope Summary. This scope involves supply, installation and commissioning of energy efficient lighting, occupancy sensors, and light controls in select areas of all identified buildings. Construction activities shall include, but not be limited to:

- a) Majority of lighting retrofits shall be T8 to EvoKit replacements. Some fixtures shall require direct wire LED T8 Tubes. Additionally some recessed lighting will be converted to LED using specially designed lighting. Contractor shall replace existing emergency ballasts with EvoKit Emergency driver as a one for one replacement. Approximately 25% emergency driver allotment for each building has been built in to these scopes of work.
- b) Supply and install occupancy sensors in identified spaces. Typical sensor shall be installed onto the Evokit, hallway sensors shall remain in place and utilized if applicable. Some installations will require use of exposed wire molding to conceal wires. There will be a mixture of fixture mount and ceiling-mount sensors. Contractor will supply fixture mounted sensors.
- c) Contractor shall supply and install smart light switches for the Evokits in areas identified in consultation with Jeff Heine per detailed scope of work in following documents.
- d) Contractor shall supply all required miscellaneous equipment, including wire, nuts, bolts and connectors.

1.1.2 Concept Design. The general concept of this project is to replace all linear fluorescent lamps with Evokit and LED T-8 lamps, compact fluorescent/incandescent recessed lighting with LED lighting, incandescent lamps/compact fluorescent lamps with LED lamps, and to install new occupancy sensors and switches with EvoKit retrofits.

1.1.3 Affected Facilities. The project affects lamps and lighting fixtures from scope of work A in the following facilities: Oak Crest Elementary, Belle Plaine High School, Chatfield Elementary School and Belle Plaine District Office.

1.1.4 Specified Materials. Contractor shall install Evokits and LED T-8 lamps in place of existing linear fluorescent lamps. Contractor shall install LED lamps in place of existing incandescent/fluorescent lamps. Contractor shall install emergency drivers in place of existing electronic emergency ballasts. Contractor shall install dual-technology occupancy sensors in all identified and approved spaces. Exposed wire-mold may be utilized where sensor must be surface mounted. Contractor shall install smart light switches for the Evokits.

### 2.0 MAJOR ITEM QUANTITY

Item	High School	Chatfield	District Office	Oak Crest	Totals
Emergency Ballasts	102	62	24	90	278
2x4 EvoKit	753	601	37	486	1,877
2x2 EvoKit	59	0	1	72	132
1x4 EvoGrid	20	10	205	33	268
2x2 EvoGrid	15	0	0	0	15
Space Wise Sensor	700	513	243	591	2,047
Smart Wireless Switch	139	94	32	119	384
Programming Tool	1	1	1	1	4
Eiko T8 LED (Dual Mode)	1204	251	162	222	1,839
New Industrial Light	16	3	0	16	35
2x4/1x8 Retrofit Kits	0	1	0	0	1
Misc Light Bulbs	15	11	5	8	39
Tombstones	1204	251	162	222	1,839
Vapor Tight LED	4	3	0	4	11
Recessed Lighting	54	0	0	0	54
Lithonia Surface Fixture	0	5	0	0	5
T8 Ballast (Instant Fit)	0	0	4	0	4
Instant Fit LED T8	0	0	12	392	404
Instant Fit LED PL	0	0	0	229	229
Fixture & Lamp Recycling	Yes	Yes	Yes	Yes	Yes

### 3.0 ESTIMATED REBATES & ENERGY SAVINGS - BELLE PLAINE LIGHTING RETROFIT

	Rebate Value	Estimated Energy Savings
District Office	\$ 6,140.94	\$ 4,379.73
High School	\$ 31,895.48	\$ 18,788.88
Oak Crest	\$ 33,444.69	\$ 19,965.14
Chatfield	\$ 23,237.57	\$ 16,221.95
<b>Total</b>	<b>\$ 94,718.68</b>	<b>\$ 59,355.70</b>