

OCCC Campus Lighting Relay Cabinet and Controls Replacement – Change Order 5 Summary for
Y22-7039 CO5

The following is a summary of the issues which caused Change Order 5 to exceed the 5% change order limit:

Y22-7039 Contract Status

1. Contract Y22-7039 received BCC approval for the amount of \$18,716,900.00.
2. \$935,845.00 is the 5% limit amount for contract Y22-7039.
3. \$428,651.23 (CO#3) + \$506,577.26 (CO#4) = \$935,228.49 (total amount of executed change orders)
4. \$616.51 amount remaining of the 5% limit.

Design Issues

1. Included in the Y22-7039 was a survey of every relay and dimmer panel in the project.
2. The survey identified 21 AUX panels that were not included in the West Building drawings, several occurrences of incorrect accounting for the number of lighting circuits in a dimmer or panel, and incorrectly specified the interface between the NS Fire Alarm system and the lighting control system.
3. Each of the errors and omissions has been identified in an individual request for information (RFI).
4. These errors and omissions to the drawings/specifications required additional hardware, installation costs, and assistance in design/programming be added to the project.
5. These costs are a direct result of the errors and omissions in the SGM drawings/specifications.

Change Orders 1 and 2

1. These were administrative change orders to update encumbrances to the Purchase Orders.

Change Order 3

1. \$428,651.23 is the value of the executed change order.
2. The change order accounted for equipment not included in the drawings/specifications and equipment incorrectly included in the drawings.
3. The change order included the equipment identified in RFI's 61, 62, 63, 67, 68, 79, 80, 92, 93, 98, 99, 101, 102, 103, 109, 110, 111, 112, 113, 114, 116, and 117.
4. The change order included
 - Add 21 AUX Panels of various breaker sizes not included in the drawings.
 - Add 4 SR 12 Sensor 3 24-module Dimmer Racks not included in the drawings.
 - Add 4 SR 48 Sensor 3 48-module Dimmer Racks not included in the drawings.
 - Deduct 1 AUX Panel incorrectly identified in the drawings.
 - Deduct 8 SR 12 Sensor 3 12-module Dimmer Racks incorrectly identified in the drawings.
 - Deduct 1 Sensor 3 48-module Dimmer Rack incorrectly identified in the drawings.
 - Deduct of 18 dimmer modules incorrectly identified in the drawings.
5. The equipment included in this change order have been procured and delivered onsite.

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Change Order 4

1. \$506,577.26 is the value of the executed change order.
2. The change order accounted for the material to install equipment not included in the drawings, labor to install equipment not included in the drawings, design/programming support for the interface between the NS fire alarm system and the lighting control system, procurement/distribution of 110 floor lamps, and the deduction of the equipment/installation costs of two SR 48 dimmers.
3. The change order included the equipment and labor identified in RFI's 61, 62, 67, 68, 79, 80, 109, 110, 113, and 114.
4. The change order included
 - Add for the material to install 11 AUX Bay/dimmer units.
 - Add for the labor to install 11 AUX Bay/dimmer units.
 - Add for the labor/programming to support the design and implementation of the interface between the NS Fire Alarm and the lighting control system.
 - Add for the procurement and deployment of 110 floor lamps.
 - Deduct for the equipment/install of 2 SR 48 Sensor 3 92-module Dimmer Racks.
 - Add 180 calendar days to the substantial and final completion dates with no cost to the owner.

Change Order 5

1. \$452,453.96 is the submitted value of the change order.
2. The change order accounts for the material to install equipment not included in the drawings, labor to install equipment not included in the drawings, and a deduction of material and installation costs of equipment included in the drawings incorrectly.
3. The change order included the equipment and labor identified in RFI's 93, 98, 99, 101, 103, 111, 112, 116, and 117.
4. The change order included
 - Add for the material to install 9 AUX Bay/dimmer units.
 - Add for the labor to install 9 AUX Bay/dimmer units.
 - Deduct for the equipment/install of 4 SR 12 Sensor 3 12-module Dimmer Racks incorrectly identified in the drawings.