MEMORANDUM

TO: Airport Board
FROM: Patrick Dame, C.M., Executive Director
DATE: August 9, 2022
RE: Change Order #2F, Airport Project #19-5284, Muth Electric, Inc.
Runway 14-32 Holding Positions Relocation

Change Order #2F is attached which reflects a decrease of $10,796.10, for a total contract price of $419,792.95. This is a final balancing change order adjusting quantities.

This project is 100% funded through the FAA. Verbal approvals of the change order have been received from the FAA as well as the SDDOT.

Additional information can be found in the change order.

STAFF RECOMMENDATION: Staff recommends Board approval of Change Order #2F with Muth Electric, Inc., for Airport Project #19-5284, Runway 14-32 Holding Positions Relocation, for a decrease of $10,796.10, for a total contract price of $419,792.95.
Change Order approved by:

07/13/2022

KLJ Engineering, LLC

7-12-22

Muth Electric, Inc.
### Summary of Changes

#### Schedule 1 - Runway 14-32 Holding Positions Relocation - Base Bid

<table>
<thead>
<tr>
<th>Item #</th>
<th>Spec #</th>
<th>Item</th>
<th>Planned</th>
<th>Revised</th>
<th>Change</th>
<th>Unit</th>
<th>Unit Price</th>
<th>Revised Cost</th>
<th>Changed Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>C-105</td>
<td>Mobilization</td>
<td>1</td>
<td>1</td>
<td>-</td>
<td>L.S.</td>
<td>$31,156.00</td>
<td>$31,156.00</td>
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<td>2</td>
<td>Local</td>
<td>Airside Traffic Control (Each Phase)</td>
<td>2</td>
<td>2</td>
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<td>L.S.</td>
<td>6,500.00</td>
<td>13,000.00</td>
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<tr>
<td>3</td>
<td>P-620</td>
<td>Runway and Taxiway Marking</td>
<td>25,043</td>
<td>25,043</td>
<td>-</td>
<td>S.F.</td>
<td>1.00</td>
<td>25,043.00</td>
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<td>4</td>
<td>P-620</td>
<td>Reflective Media</td>
<td>1</td>
<td>1</td>
<td>-</td>
<td>L.S.</td>
<td>1,500.00</td>
<td>1,500.00</td>
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<td>5</td>
<td>P-620</td>
<td>Temporary Runway and Taxiway Marking</td>
<td>1,792</td>
<td>1,792</td>
<td>-</td>
<td>L.F.</td>
<td>1.00</td>
<td>1,792.00</td>
<td>-</td>
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<tr>
<td>6</td>
<td>Plan Notes</td>
<td>Obliterate Existing Pavement Markings</td>
<td>15,052</td>
<td>15,052</td>
<td>-</td>
<td>S.F.</td>
<td>0.60</td>
<td>9,031.20</td>
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<td>7</td>
<td>Plan Notes</td>
<td>Obliterate Temporary Pavement Markings</td>
<td>1,792</td>
<td>1,792</td>
<td>-</td>
<td>S.F.</td>
<td>0.75</td>
<td>1,344.00</td>
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<tr>
<td>8</td>
<td>T-901</td>
<td>Seeding</td>
<td>1,667</td>
<td>1,945</td>
<td>278</td>
<td>L.F.</td>
<td>2.55</td>
<td>8,695.50</td>
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<tr>
<td>9</td>
<td>T-905</td>
<td>Topsoil (Obtained Off-Site) (As Needed)</td>
<td>17</td>
<td>21</td>
<td>4</td>
<td>C.Y.</td>
<td>60.00</td>
<td>1,260.00</td>
<td>240.00</td>
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<td>10</td>
<td>T-908</td>
<td>Mulching</td>
<td>1,667</td>
<td>1,945</td>
<td>278</td>
<td>S.Y.</td>
<td>0.55</td>
<td>1,069.75</td>
<td>152.90</td>
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<td>11</td>
<td>Plan Notes</td>
<td>Temporary Lighting (Each Phase)</td>
<td>2</td>
<td>2</td>
<td>-</td>
<td>Each</td>
<td>8,000.00</td>
<td>16,000.00</td>
<td>-</td>
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<tr>
<td>12</td>
<td>Plan Notes</td>
<td>Existing Electrical Equipment Removal (Each Phase)</td>
<td>2</td>
<td>2</td>
<td>-</td>
<td>Each</td>
<td>10,000.00</td>
<td>20,000.00</td>
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<tr>
<td>13</td>
<td>L-108</td>
<td>No. 6 AWG, Solid, Bare Counterpoise Wire, Installed in Trench, Duct Bank or Conduit</td>
<td>3,410</td>
<td>3,410</td>
<td>-</td>
<td>L.F.</td>
<td>2.55</td>
<td>8,695.50</td>
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<tr>
<td>14</td>
<td>L-108</td>
<td>No. 6 AWG, Safety Equipment Ground Installed in Trench, Duct Bank or Conduit</td>
<td>1,770</td>
<td>-</td>
<td>(1,770)</td>
<td>L.F.</td>
<td>6.40</td>
<td>(11,328.00)</td>
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<tr>
<td>15</td>
<td>L-110</td>
<td>Non-Encased Electrical Conduit, 2&quot; PVC Installed in Trench</td>
<td>1,845</td>
<td>1,845</td>
<td>-</td>
<td>L.F.</td>
<td>16.00</td>
<td>29,520.00</td>
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<td>16</td>
<td>Plan Notes</td>
<td>Remove, Salvage and Reinstall L-858 Mandatory Location Sign on New Foundation</td>
<td>19</td>
<td>19</td>
<td>-</td>
<td>Each</td>
<td>6,170.00</td>
<td>117,230.00</td>
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<tr>
<td>17</td>
<td>Plan Notes</td>
<td>Remove, Salavage and Reinstall L-804 Runway Guard Lights</td>
<td>16</td>
<td>16</td>
<td>-</td>
<td>Each</td>
<td>790.00</td>
<td>12,640.00</td>
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<tr>
<td>18</td>
<td>Plan Notes</td>
<td>L-867B Base Can (Runway Guard Lights)</td>
<td>16</td>
<td>16</td>
<td>-</td>
<td>Each</td>
<td>1,775.00</td>
<td>28,400.00</td>
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<td>19</td>
<td>Plan Notes</td>
<td>L-867B Solid Cover (Install on Existing Can)</td>
<td>16</td>
<td>16</td>
<td>-</td>
<td>Each</td>
<td>250.00</td>
<td>4,000.00</td>
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<tr>
<td></td>
<td></td>
<td>TOTAL SCHEDULE 1 - BASE BID</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$328,942.95</td>
<td>($10,796.10)</td>
</tr>
</tbody>
</table>

#### Add Alternate 1 - LED Runway Guard Lights

<table>
<thead>
<tr>
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<th>Changed Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Plan Notes</td>
<td>L-804 Runway Guard Light (Fixtures)</td>
<td>20</td>
<td>20</td>
<td>-</td>
<td>Each</td>
<td>$4,142.50</td>
<td>$82,850.00</td>
<td>-</td>
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</tbody>
</table>

**TOTAL ELECTRICAL CONSTRUCTION** $82,850.00

**TOTAL CHANGE ORDER** $8,000.00

**TOTAL AIP CHANGE** $419,792.95 ($10,796.10)

**TOTAL NON-AIP CHANGE** $419,792.95 ($10,796.10)

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### Change Order

**CO1-1** CD1-1 Mob & Demob for Paint & Obliteration | 1       | 1       | -      | L.S. | 8,000.00   | 8,000.00    | -            |

**CO1-2** CD1-2 Change in Contract Time |

**TOTAL CHANGE ORDER** $8,000.00

**TOTAL AIP CHANGE** $419,792.95 ($10,796.10)

**TOTAL NON-AIP CHANGE** $419,792.95 ($10,796.10)

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**NOTE:** The items highlighted above in tan are items that are funded 100 percent non-AIP and 0 percent AIP.

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**Summary of Changes**

**Airport Name:** Rapid City Regional Airport  
**Location:** Rapid City, South Dakota  
**AIP Project #:** 3-46-0048-053-2020  
**Contractor:** Muth Electric, Inc.
Explanation of Changes

Airport Name: Rapid City Regional Airport
Location: Rapid City, South Dakota
AIP Project #: 3-46-0048-053-2020
KLJ Project #: KLJ #1905-01611
Contractor: Muth Electric, Inc.
Owner's Project #: 19-5284

Item No. Schedule 1 Bid Item 8
Description: Seeding

Reason for Change
This is a final balancing change order to reflect the quantities of materials actually installed in the construction of the project. This adjustment is based on actual measured quantities. The proposed costs appear to be allowable, allocable and reasonable.

Item No. Schedule 1 Bid Item 9
Description: Topsoil (Obtained Off-Site) (As Needed)

Reason for Change
This is a final balancing change order to reflect the quantities of materials actually installed in the construction of the project. This adjustment is based on actual measured quantities. The proposed costs appear to be allowable, allocable and reasonable.

Item No. Schedule 1 Bid Item 10
Description: Mulching

Reason for Change
This is a final balancing change order to reflect the quantities of materials actually installed in the construction of the project. This adjustment is based on actual measured quantities. The proposed costs appear to be allowable, allocable and reasonable.

Item No. Schedule 1 Bid Item 14
Description: No. 6 AWG, Solid, Bare Counterpoise Wire, Installed in Trench, Above the Duct Bank or Conduit, Including Ground Rods and Ground Con...

Reason for Change
This is a final balancing change order to reflect the quantities of materials actually installed in the construction of the project. After reviewing the site, no new counterpoise was used. The existing counterpoise was used. The proposed costs appear to be allowable, allocable and reasonable.