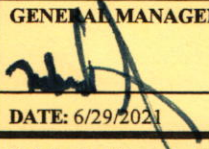

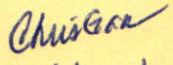
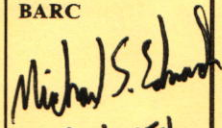
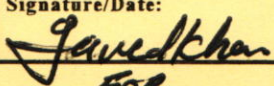




## EXECUTIVE DECISION DOCUMENT

|   |  |  |                           |   |
|---|--|--|---------------------------|---|
| GENERAL MANAGER APPROVAL:<br> 8/1/21 |  | GENERAL MANAGER ACTION REQ'D:<br>Yes   |                           |   |
| DATE: 6/29/2021   |  | BOARD INITIATED ITEM: No   |                           |   |
| Originator/Prepared by: Bryant Fields<br>Dept: Strategic Engineering  | General Counsel<br><br>9/1/2021 [ ] | Controller/Treasurer<br><br>9/1/2021 [ ] | District Secretary<br>[ ] | BARC<br><br>9/1/2021 [ ] |
| Signature/Date:<br> 9/1/21<br>FOR.   |  |  |                           |   |

### Contract No.15EK-140, Change Order Nos. 004 and 010B

#### PURPOSE:

Obtain Board authorization for the General Manager to execute Change Orders to Contract No. 15EK-140 for Traction Power Substation Replacement ASL Installation, in the not to exceed amount of \$286,000.

#### DISCUSSION:

On August 18, 2018, the Board authorized the General Manager to award Contract No.15EK-140 for Traction Power Substation Replacement ASL Installation to Aldridge Electric, Inc., Libertyville, IL in the amount of \$4,783,000.

The Contract provides for the new installation of the traction power substation located at the San Leandro BART Station.

To date, the District has issued Change Orders to this Contract in the total amount of \$438,157, which is 9.16% of the original Contract amount.

The forecasted amount for prospective Change Orders is not-to-exceed (NTE) amount of \$286,000. Conduits were upsized to accommodate for larger diameter cables. The on-hand cables provide enhanced design features that include more robust insulation and better abrasion resistance, making them more reliable. These prospective Change Orders will resolve costs associated with changing the conduit sizes to accommodate the District Furnished electrical cables that were readily available on hand.

Descriptions of the Change Order's costs are set forth below:



- Change Order No. 004 – Anticipated Cost: Not to Exceed \$137,000 for the labor, equipment, and material procurement expenditure for installation of upsized cable and conduit.
- Change Order No. 010B – Anticipated Cost: Not to Exceed \$149,000 for the additional field modifications, resubmittals (design and work packages) and resequencing of construction activities.

All change orders will be approved as to form by the Office of General Counsel prior to execution.

| Summary                       | Amount      | Percentage of Base Bid |
|-------------------------------|-------------|------------------------|
| Total Base Bid Amount         | \$4,783,000 |                        |
| Agreed/Executed Change Orders | \$438,157   | 9.16%                  |
| Potential Change Orders       | \$286,000   | 5.98%                  |
| Revised Contract Amount       | \$5,507,157 |                        |

#### **CAPITAL FISCAL IMPACT:**

Funding in the amount of \$137,000 and \$149,000 for execution of Change Orders 004 and Change Order 010B respectively, for a total of \$286,000 of Contract 15EK-140 is included in the total project budget for the Traction Power Substation Replacement Project (Project Number 15EK350).

The table below lists funding assigned to the referenced project and is included to track funding history against spending authority. Funds needed to meet this request will be expended from the following sources:

| Fund | Description                     | Source   | Amount    |
|------|---------------------------------|----------|-----------|
| 3607 | FTA 53307/5307 CA-2016-77-00    | FEDERAL  | 1,000,000 |
| 8525 | FY2013 Operating Cap Allocation | INTERNAL | 68,862    |
| 3401 | FTA-CA-05-0263-00               | FEDERAL  | 1,900,000 |
| 851W | FY07-11 Capital Allocation      | INTERNAL | 114,767   |
| 353K | CA-05-0236 FG MOD-FY09          | FEDERAL  | 19,068    |
| 6302 | B-Toll AB664 FY12-13 13408004   | REGIONAL | 180,000   |



|      |   |              |                   |
|------|---|--------------|-------------------|
| 802B | 2019B Measure RR GOB #2                   | INTERNAL     | 4,964,973         |
| 353M | CA-05-0248 FG MOD-FY10<br>CAPITAL         | FEDERAL      | 124,218           |
| 802A | 2017A Measure RR GOB #1                   | INTERNAL     | 3,253,030         |
| 353G | CA-05-0224-FY08 CAP Improvement           | FEDERAL      | 1,219,119         |
| 3603 | FTA 5337 CA-54-0023-00                    | FEDERAL      | 355,448           |
| 8529 | FY 2015 Operating Capital<br>Allocation   | INTERNAL     | 250,000           |
| 8523 | CAP SURCHRG-STATN 2 ST                    | INTERNAL     | 31,055            |
| 3602 | FTA CA-54-0007-00 FY13 Cap<br>Improvement | FEDERAL      | 1,760,000         |
| 347Z | FTA CA-05-0216-00 FY07                    | FEDERAL      | 704,000           |
| 6018 | FY 11-12 BR TL ALLOC #12404403            | REGIONAL     | 1,400,000         |
| 3004 | FTA CA-90-Y946-00                         | FEDERAL      | 518,666           |
| 6213 | REGIONAL MEAS 2 08382301                  | REGIONAL     | 176,000           |
| 6303 | MTC B-Toll AB664 FY 13-14                 | REGIONAL     | 20,000            |
| 8202 | SLS TX REVN BOND FND (1)                  | INTERNAL     | 54,780            |
| 802C | 2020C Measure RR GOB #3                   | INTERNAL     | 22,631,997        |
|      |   | <b>Total</b> | <b>40,745,984</b> |

As of August 26, 2021, \$40,745,984 is the total budget for this project. BART has expended \$25,003,664 committed \$14,623,163 and reserved \$10,000 to date. This action will commit \$286,000 leaving an available fund balance of \$823,157 in this fund source for this project.

The Office of the Controller/Treasurer certifies that funds are currently available to meet this obligation.



There is no fiscal impact on available unprogrammed District Reserves.

**ALTERNATIVES:**

The Board may elect not to authorize execution of these Change Orders. Failure to issue these Change orders could result in added costs to the District due to the resulting contract cost and time extension, and likely claims from the Contractor.

**RECOMMENDATION:**

Adopt the Motion as presented.

**MOTION:**

The General Manager is authorized to execute Change Order Nos. 004 and 010B in an aggregate amount not to exceed \$286,000 to Contract No. 15EK-140 for Traction Power Substation Replacement ASL Installation with Aldridge Electric, Inc.



## EXECUTIVE DECISION DOCUMENT

### ATTACHMENT #1

### CHANGE ORDER SUMMARY

#### BACKGROUND

Name of Contractor: Aldridge Electric, Inc.  
Contract No./NTP: 15EK-140 / August 31, 2018  
Contract Description: Traction Power Substation Replacement ASL Installation  
Percent Complete as of 07/08/2021 94.20%

| <u>COST</u>                      | <u>% of Award</u> | <u>CO Totals</u> | <u>Contract Amount</u> |
|----------------------------------|-------------------|------------------|------------------------|
| Original Contract Award Amount   |                   |                  | \$4,783,000.00         |
| Change Orders:                   | 9.16%             | \$438,156.99     |                        |
| Other than Board Authorized C.O. | 5.98%             | \$286,000.00     |                        |
| Pending Board Authorized C.O.    |                   |                  |                        |
| Subtotal of all Change Orders    | 15.14%            | \$724,156.99     |                        |
| <u>Revised Contract Amount:</u>  |                   |                  | \$5,507,156.99         |

#### SCHEDULE

Original Contract Duration: 410 days  
Time Extension to Date: 0 days  
Time Extension Due to Approved COs: 70 days  
Revised Contract Duration 480 days

#### SUMMARY REASON FOR THESE CHANGE ORDER(S)

- *Change Order No. 004:* Upsize and install 5" conduits and fittings at ASL to accommodate the larger diameter District Furnished Material of 750 kcmil cables. This is needed to satisfy the conduit fill requirements of the 1.81" OD conductors (original design was based on a 1.546" OD conductor).
- *Change Order No. 010B:* As a result of installing larger 5" RTRC conduit and slip couplings, additional field modifications, inefficiencies, and additional man hours were encountered.