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To:
Dave Jeffries
MERA Deputy Executive Officer

Project name:
MERA Next Generation
Radio System

Project ref:

CC:
Mark Chase
Jonathan Sprague

From: Bruce Bagnoli

Date:
November 10, 2021

Memo

Subject: Stewart Point and Dollar Hill Board Item

This proposed change order will strengthen the monopole tower foundation at Stewart Point to anchor the foundation to bedrock. This item also includes a change order with a credit covering the changes by Motorola to the Dollar Hill tower structural upgrades.

Motorola reviewed the design that it provided for the Stewart Point monopole in the 2021-001 bid set that Fidato is building and found that the monopole tower structural design does not meet current code.

Motorola reviewed the design included in the bid documents and determined that the foundation at Stewart Point requires additional strengthening in order to meet code. Motorola issued revised drawings that bring the tower into compliance with the code, and these upgrades are included in this action item.

Motorola also revised the structural details at Dollar Hill, simplifying the upgrade. Fidato is the contractor, and they were instructed by MERA to halt structural work as the redesign was underway at both sites. This action will restart foundation and structural work at the Stewart Point site and at Dollar Hill.

The Dollar Hill lattice tower foundation also requires different work from the original bid drawings. However, this work has less scope than the original bid, so this item contains a credit from Fidato Technology Builders that reflects this reduced structural scope at Dollar Hill.

Project 2021-001a was originally estimated as follows: Stewart Point \$ 280,807, Dollar Hill \$ 100,796, Tiburon \$ 54,367, for a total of \$ 441,761. The Fidato bid was \$ 410,000, and the presumed contingency would be \$ 47,668.

This item would authorize the MERA construction contractor to execute the architect/engineer's Stewart Point structural redesign at an additional cost of \$ 113,112.28. Additionally, the Governing Board is requested to approve a contingency of \$ 15,000, to be executed by MERA if needed, to address unforeseen conditions that may be encountered as the structural upgrade is constructed. The total request is \$ 128,112.2, and the extension of contract duration will be determined later.

This item would also accept the Dollar Hill credit change order resulting from the redesign of the Dollar Hill lattice tower structural upgrades. This net credit is \$ 1,924. No adjustment to the contingency is recommended at this time.

The governing board previously approved 2021-001a change order one for the Tiburon site for \$ 108,306 and a contingency of \$ 11,693

The current contract value is \$ 518,306, with a total contingency of \$ 59,361. With this action the contract value is \$ 629,494, with a total contingency of \$74,361.