

# MARIN EMERGENCY RADIO AUTHORITY

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## MEMORANDUM

**DATE:** February 10, 2005  
**TO:** MERA Board of Directors  
**FROM:** Martin J. Nichols, Executive Officer  
**SUBJECT:** AGENDA ITEM D2: MT. TIBURON CHANGE ORDER

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Recommended Action: Authorize the MERA Executive Officer to execute Motorola Change Order #35 in the amount of \$139,269, for the increased construction cost for the Mt. Tiburon MERA site.

Background:

The cost to build the Mt. Tiburon site has increased from Motorola's original 1999 bid for three primary reasons:

1. Materials cost more today
2. The final soils test determined that the nature of the site required more excavation.
3. The scope of the project has changed to comply with the EIR and to restore this site to the microwave loop.

Under the provisions of the original MERA/Motorola agreement and intervening amendments, the increase costs are shared as follows:

1. Material cost increases are MERA's responsibility under Amendment No. 3.
2. The soils tests/added excavations are MERA's responsibility under the original contract.
3. The additional costs necessary to comply with the requirements of the final EIR are Motorola's responsibility under Amendment No. 2.
4. The additional costs to put Mt. Tiburon back into the east simulcast microwave loop are MERA's responsibility.

<b>Additional Costs</b>	<b>Motorola</b>	<b>MERA</b>
Soils Test		\$ 1,523 (materials)
Shelter		17,240 (materials)
Foundation, pads & building	\$56,067 (EIR)	44,977 (soils & materials)
Tower		22,114 (soils, material & scope)
Generator & propane		4,920 (materials)
Electrical		36,959 (soils & materials)
Fencing & Landscaping		2,867 (materials)
Return to microwave loop		8,699 (scope)
<b>TOTAL</b>	<b>\$56,067</b>	<b>\$139,299</b>

Return Site to Microwave Loop

Two year's ago, we reconfigured the MERA backbone to operate in the east simulcast area without the Mt. Tiburon site. This was done to enable service to San Rafael and then other members.

The additional equipment cost to operate Mt. Tiburon as a spur site was estimated by Motorola to be \$35,000. The added equipment cost to return Mt. Tiburon to the east simulcast backbone is \$15,513.

We will backup the system while the site is put back into the east simulcast loop by installing a temporary T-1 line to the San Pedro Ridge site for an added cost of \$1,500 and \$250 per month lease (for two months).

Cost Due to Project Delay

The delay in construction to the Mt. Tiburon site includes:

1. Increase materials cost	\$ 69,539
2. Increased site preparation	16,800
3. Return to east simulcast loop	<u>15,513</u>
<b>TOTAL</b>	<b>\$101,582</b>