

MARIN EMERGENCY RADIO AUTHORITY

c/o Town of Corte Madera
300 Tamalpais Drive – Corte Madera, CA 94925
PHONE: (415) 927-5050
WWW.MERAONLINE.ORG

DATE: November 18, 2020
TO: MERA Executive Board
FROM: Dave Jeffries, Deputy Executive Officer for the Next Gen Project
SUBJECT: AGENDA ITEM B-1: Report No 76 on Next Gen System Project

Recommended Action: Review, discuss and accept report.

Background:

We have completed the Customer Design Review phase of the project. The Project Team includes Program Manager Mark Chase (AECOM), Radio Project Manager David Mortimer (FE), Construction Project Manager James McKenzie (AECOM), Construction Manager Jonathan Sprague (AECOM), Implementation Coordinator David Bettin (RGS) and me.

- 1) Recent Project Meetings and Conference Calls:
 - a. MERA Project Calls: 09/14, 09/28, 10/12, 10/26, 11/09
 - b. Motorola Project Team: 10/15
 - c. Implementation Project Team Calls: 09/15, 09/22, 09/29, 10/06, 10/13, 10/20, 10/27, 11/03, 11/10, 11/17
 - d. MERA Training Committee: 10/27, 10/29 – Training Committee Orientation
- 2) Updated Construction Cost Estimates
 - a. One of the initial tasks assigned to AECOM was to review the project construction costs based on the current design of the project. That task is still proceeding and planned for Governing Board consideration at the 12/09/20 meeting.
- 3) Project Expenses
 - a. The Governing Board at their 10/28/20 meeting approved a two-year extension of the Federal Engineering Contract (See GB Report B-2, attached) and an agreement with Hexagon to develop an interface between the Marin County Sheriff's Computer Aided Dispatch System and MERA's Fire Station Alerting System (See GB Report B-3, attached).
- 4) Bid Packages:
 - a. A Bid package has been prepared for the first three sites. These include Civic Center, EOF and Mt. Barnabe. Additional bid packages will be issued over the next several months as leases and drawings are completed. The Governing Board approved staff to move forward and advertise this bid package. A recommendation to award the contract for this bid package will be brought to the board for approval at a later meeting (See GB Report B-1, attached).

5) Site Overview:

- a. Beginning with this report, we will be providing the Boards with an overview of our progress across the proposed sites. Those sites and tasks indicated in green are completed, yellow is in progress.

As of: 11/18/20	Pre-Bid Activities						Bids			Construct		Staging		Installation			
	CEQA	Coastal Comm.	MALT	PGE Assoc. Leases	Leases	Leases	Bid Packages	Bids Out to Bid	Bids Awarded	Start	Complete	Motorola	Nokia	Start	Complete	Accept	
EOF	Green					Green	Yellow										
Civic Center	Green					Green	Yellow										
Big Rock	Green					Green	Yellow										
Mt. Tamalpais	Green					Green	Yellow										
Mt. Barnabe	Green					Green	Yellow										
Point Reyes	Green	Green				Green	Yellow										
Dollar Hill	Green					Green	Yellow										
San Pedro	Green					Green	Yellow										
Tiburon	Green					Green	Yellow										
Sonoma Mount.	Green					Green	Yellow										
Stewart Point	Green					Green	Yellow										
Tomales	Green	Green	Yellow	Yellow		Green	Yellow										
Coyote Peak	Green		Yellow	Yellow		Green	Yellow										
Skyview Terrace	Green			Yellow		Green	Yellow										
Muir Beach	Green	Green		Yellow		Green	Yellow										
Wolfback Ridge	Green			Yellow		Green	Yellow										
OTA	Green			Yellow		Green	Yellow										
Mill Valley	Green			Yellow		Green	Yellow										
	Green	Completed				Yellow	In progress			Grey	N/A		Pending				

6) Customer Design Review:

- a. As part of the contract with Motorola, we entered into a Customer Design Review phase that as stated in the proposal, “Motorola will work with MERA to review and confirm the final system design, schedule, coverage, and transition plan.” As part of this effort, MERA identified 65 distinct categories of information to be completed as part of this process. Near the completion of this process, MERA contracted with AECOM to conduct a third-party review of this Customer Design Review (CDR) process. In that effort, AECOM’s report resulted in 135 items that required additional discussion and review. The Governing Board approved the completion of the Customer Design Review process and payment of Motorola’s next payment milestone at their 10/28/20 meeting. (See GB report B-4, attached).
- b. Next steps: Nokia will soon begin building the Microwave Network Equipment and Motorola will soon begin building the Fixed Network Equipment (Remote sites and core

equipment.). Both vendors will include a customer witnessed test prior to any equipment being shipped to Marin.

7) Key Project Summary Details:

- c. Assistance for Firefighters Grant: We are looking to begin mobile installation and distribute mobile radios in February 2021. As part of this item, we have been assisting Motorola’s subcontractor, Red Cloud in locating a site for local vehicle installations and are also arranging for installations of Radio Management Servers to improve handling and tracking of field equipment.
- d. Project Schedule: See GB Report B-4, Attachment B-4b for details, attached).
- e. Construction Cost Estimates: Under development.
- f. Construction Bid Packages: Discussed above.
- g. Tomales Site: MERA is working with AT&T to consider sharing AT&T’s power trench at that site. The details are currently being worked on. This will eliminate the need for a second power trench in the same area and will require a minor update to the Subsequent Environmental Impact Report.

Project Summary Table:

<u>Tasks Completed</u>	<u>Upcoming Tasks</u>
<ol style="list-style-type: none"> 1. Completed Construction Schedule 2. GB Approved CDR process completion 3. GB Approved Federal Engineering Contract Extension 4. GB Approved CAD Interface Agreement 5. GB Approved Initial Bid Packages for Advertising 6. MERA Newsletter distributed 10/28/20. 7. Fiber pulls completed for the EOF and the Civic Center to Radio Shop connection. 	<ol style="list-style-type: none"> 1. Schedule Member Briefing 2. Mobile Installation / Portable Distribution from AFG Grant (02/2021)
<u>Tasks in Progress</u>	<u>Next Six Months</u>
<ol style="list-style-type: none"> 1. Obtain MALT Easements 2. Construction Cost Review 3. Complete PG&E Detailed Design 4. Complete Site Lease Agreements 5. Decide on Tomales AT&T Power Trench 6. Develop Talkgroup Templates and Radio Aliases 7. Develop Project Plan with AECOM 8. Training Committee Development 	<ol style="list-style-type: none"> 1. Award Initial Bid Packages 2. Begin Site Work 3. Complete Remaining Bid Packages

Attachments:

Agenda Item B-1 – Report No 76 on Next Gen Project

November 18, 2020

Page 4

B-1a – GB Report B-1: Report No 75 on Next Gen System Project and Approval of Initial Bid Package and Notice Inviting Bids and attachments, 10/28/2020

B-1b – GB Report B-2: Proposed Extension of Next Gen Project Federal Engineering Services Agreement and attachments, 10/28/2020

B-1c – GB Report B-3: Proposed Agreement for Computer Aided Dispatch (CAD) Interface Costs and attachments, 10/28/2020

B-1d – GB Report B-4: Proposed Motorola Customer Design Documents and attachments, 10/28/2020

Note: Access Attachments at:

<https://www.dropbox.com/sh/4kv1x189798bsf6/AACFHqxtNNOKereew0FW-OH-a?dl=0>