

## **KVCR UHF-VHF TRANSITION**

### **SCOPE**

KVCR will be transitioning from ultra-high frequency (UHF) channel 24 to very-high frequency (VHF) channel 5. The scope includes replacing the existing transmitter and antenna solutions systems located at 10550 Box Springs Mountain Rd., Moreno Valley, CA 92324.

District Facilities Planning & Construction and KVCR have formed a collaborative and expert team and are working towards the successful delivery of this project.

### **SCHEDULE**

The UHF-to-VHF transitioning project has three major milestones. The District has successfully fulfilled the first one.

1. File FCC construction permit by July 12, 2017. ✓
2. Complete construction by December 1, 2018 and start testing.
3. KVCR goes live by April 12, 2019.

### **CHALLENGES**

One of the challenges for this project is that there are just a few vendors available with the special expertise necessary to perform the work. Since the project falls under Public Works, it requires a public bidding process. We have issued a request for qualification and proposal with results expected on September 13, 2017.

In addition, it was recently uncovered that the existing tower does not comply with today's structural conservative codes. In response, we are conducting a feasibility study factoring the schedule, cost, and site condition to either 1) retrofit the existing tower or 2) construct a new one. The proposed tower would be 100 feet higher to maximize coverage. A Federal Aviation Administration (FAA) permit is currently pending approval. Other studies will follow.

### **COST**

It is hard to predict the total cost for the transitioning project at this time due to the unique scope of services, and the schedule restraints as many private and public broadcasting agencies are transitioning and tied to the same schedule. The total anticipated cost ranges from \$1.5 to \$2 million, depending on the proposals received and whether or not SBCCD decides to construct a new tower or retrofit the existing one.

### **THINGS TO FOLLOW**

- Prequalify vendors and receive bids for transitioning.
- Receive FAA approval for new tower, potentially amending the lease agreement with the property owner at Marino Valley.
- Perform cost-analysis for the tower.