



March 7, 2014

To: Fox Cities Transit Commission

From: Sal La Puma, Assistant General Manager

Subject: Two-Way Radio System Narrowbanding

Background: After the events that occurred on September 11, 2001, the Federal Communications Commission mandated that all public entities “narrowband” their radio frequencies. Essentially, narrowbanding involves reducing the agency’s existing 25 megahertz frequency to a 12.5 megahertz frequency, thus increasing available bandwidth for other agencies.

Valley Transit worked with its radio vendor, Nielsen Communications, to complete the project, which involved reprogramming most of the existing radios and replacing those that were outdated and unable to be reprogrammed. In all, seven mobile radios, four portable radios and four base-station radios needed to be replaced. Additionally, Valley Transit’s repeater, the equipment that boosts a radio’s signal to cover all of the service area, was reprogrammed and its license updated. Total project cost has not yet been submitted, but is estimated to be \$8,680. Of that amount, \$4,970 was spent in 2013 and the balance will be funded through the 2014 operating expense account.