

# REGIONAL TRANSPORTATION MANAGEMENT SYSTEM

## FACT SHEET



### The Project

The Regional Transit Management System (RTMS) uses the latest proven technology to assist the Metropolitan Transit System (MTS) and the North County Transit District (NCTD) in their daily management of nearly four hundred (400) fixed route buses operating within San Diego County. RTMS combines onboard global positioning satellite (GPS) data collection, existing 800 MHz radio networks, and computer assisted “real time” mapping to display vehicle position, direction of travel, and schedule adherence on the dispatcher’s video monitor in our communications center.



This project will include 275 onboard bus units and additional dispatch positions in El Cajon and Chula Vista, as well as back office equipment and a five-year warranty.

### The Need

From its inception, the RTMS network was constructed to accommodate all of the fixed route buses operating in the region. Installations have been completed at NCTD

and MTS but funding has been insufficient to install the equipment on the 275 MTS-owned buses operated by a contractor.

The RTMS system will normally “poll” every vehicle every 75 seconds and will switch to a 15-second “poll” rate for any bus reporting an emergency alarm. RTMS technology provides operators with critical data including: vehicle position displays, route displays, zonal displays, on time performance monitoring, automatic passenger counting, two-way voice and text messaging, detour and emergency routing changes, passenger transfer requests, the collection of lift-assisted boarding data, and interfaces to a customer relations system and the SANDAG 511 transit info system.

This data has proved invaluable in improving response times by directing law enforcement and other first responders to the exact location of revenue vehicles and passengers.

The region will benefit from this project through:

- » More efficient transfer connections
- » Enhanced responses to emergency situations or local disasters
- » Improved connections with regional services like Trolley and COASTER
- » Consistent emergency detour management
- » Better customer service
- » Better on-time performance
- » Uniform operational standards and performance reporting

*(Continued on reverse)*



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### **Project Costs and Funding Status**

The total cost of the project is estimated to be \$10 million. Congress appropriated \$0.8 million in FY 2010 for this project. MTS is requesting \$8.3 million in federal funding that would be matched with local dollars.

### **Project Status**

The procurement of RTMS technology has been completed and will be implemented by 2013.