

## East Bay Paratransit Mobile Data Terminal (MDT)/ Automatic Vehicle Locator Project

*North/Central/South Counties*



### **PROJECT BENEFITS:**

The new software will lessen wait time for passengers and quicken the boarding process, thereby increasing available trips. The technology can also notify individuals during natural disasters, bridge closures or other emergencies, so they can plan accordingly.

### **PROJECT UPDATE:**

AC Transit is in the process of purchasing and installing up to 120 Mobile Data Terminals with Automatic Vehicle Locators in vehicles, and plans to train drivers and dispatch staff service providers by May 2010.

To find out more about the program, please contact the Project Sponsor.

### **PROJECT SPONSOR:**

Kate Miller  
Manager of Capital  
Development, Legislation and  
Grants  
Alameda-Contra Costa  
Transit District  
1600 Franklin Street  
Oakland, CA 94612  
Tel: (510) 891-4859  
Fax: (510) 891-7139  
kmiller@actransit.org

Updated January 2010

**T**his project is the second phase of the East Bay Paratransit (EBP) Consortium's Mobile Data Terminal (MDT)/Automatic Vehicle Locator (AVL) pilot project, which began in 2006 with the purchase and installation of units in 80 vehicles. This technology improves trip planning and delivery, increases coordination between dispatchers and drivers, and improves contact with passengers.

The ACTIA grant permits the purchase and installation of up to 120 MDT/AVLs for the balance of the paratransit fleet and facilitates operator and driver training on equipment usage. The MDT is a 100 percent real-time data-collection device that provides improved analysis of trip length, on-time performance and other valuable trip statistics. Additionally, the MDL/AVL units enable future installation of interactive Voice Response/Web-based scheduling systems software. This system will call riders five minutes before the vehicle's arrival. Benefits include less wait time for passengers and a faster boarding process, thereby increasing available trips.

### **Project Budget and Funding**

<b>TOTAL PROJECT COST</b>	<b>\$360,000</b>
Funding	
ACTIA Paratransit Gap Grant Award	\$306,000
Matching Funds	\$54,000
Source:	
Local	\$54,000



### **Project Schedule**

Commence ACTIA Grant (Cycle 4)	July 1, 2008
Begin Training Drivers and Dispatcher Staff Service Providers	May 2010
Install Hardware and Software in Remainder of Fleet (up to 120 additional vehicles)	September 2010
Receive 30-day Usage/Testing and Effectiveness Evaluation Report from Broker	December 2010
Receive 90-day Usage/Testing and Effectiveness Adjustment and Procedures Modification Report from Broker	March 2011
Complete 6-month Driver/Dispatcher Evaluation Survey of Equipment	April 2011
Complete Full Operation Satisfactory Performance Report	September 2011
Complete Grant Funding Period	December 31, 2011

Tess Lengyel  
ACTIA Programs and Public Affairs Manager  
tlengyel@actia2022.com  
(510) 267-6111

Alameda County Transportation Improvement Authority  
1333 Broadway, Suite 300, Oakland, CA 94612  
Phone: (510) 893-3347 • Fax: (510) 893-6489  
www.actia2022.com

## Alameda County

**A**lameda County's half-cent transportation sales tax, known as Measure B, will generate more than \$3 billion over 20 years for transportation improvements in Alameda County. Over **\$150 million** is dedicated for **Special Transportation for Seniors and Disabled**. In voting for Measure B, which dedicated 10.5 percent of the sales tax revenue to paratransit projects and programs, Alameda County residents voiced their support for increasing mobility for seniors and people with disabilities.

To date, through four grant cycles, ACTIA's paratransit grant program has funded 52 capital projects, programs, and master plans totaling \$9.1 million.



### PARATRANSIT GAP GRANT PROGRAM - CYCLE 4 FUNDED PROJECTS

Planning Area	Project	Sponsor	Measure B Funding Amount	Total Project Cost
N,C,S	EBP Mobile Data Terminal/Automatic Vehicle Locator Project	Alameda Contra Costa Transit District	\$306,000	\$860,000
N,C,S	Interactive Voice Response (IVR)/Web Based Scheduling Software	Alameda Contra Costa Transit District	\$200,000	\$200,000
CW	New Freedom Fund Grant Match	Alameda Contra Costa Transit District	\$36,000	\$180,000
C,S	Central County Taxi Program Expansion and "Guaranteed Ride Home" for Travel Training Participants	ACTIA	\$35,000	\$35,000
CW	Countywide Mobility Coordination	ACTIA	\$374,000	\$374,000
N,C,S	Driving Growth through Transportation: Special Transportation Services for Individuals with Dementia	Alzheimer's Services of the East Bay	\$300,000	\$961,880
N	BORP North County Youth/Adults with Disabilities Group Trip Project	Bay Area Outreach and Recreation Program	\$266,200	\$419,430
N, C	Mobility Matters!	Centers for Independence Living	\$300,000	\$333,258
N	Albany Senior Center Community Shuttle Bus	City of Albany	\$161,600	\$192,500
N	Demand Response Shuttle Service for Seniors and/or People with Disabilities	City of Emeryville	\$232,000	\$250,000
S	VIP Rides Program	City of Fremont	\$154,665	\$154,665
C	Hayward Round About - Paratransit Shuttle Service	City of Hayward	\$440,000	\$440,000
N	GRIP - Grocery Return Improvement Program	City of Oakland	\$275,885	\$325,885
N	TAXI - UP & GO Project!	City of Oakland - Department of Human Resources	\$143,472	\$404,312
E	Downtown Route	City of Pleasanton	\$240,038	\$315,246
E	Rider Assessment Service	City of Pleasanton	\$15,000	\$29,727
E	LAVTA Livermore Senior Housing Shuttle	Livermore Amador Valley Transit Authority	\$175,000	\$184,500
E	Paratransit Vehicle Donation Program and Dial a Ride Scholarship	Livermore Amador Valley Transit Authority	\$95,000	\$99,813
CW	Learn BART! A Picture Guide to Riding BART	San Francisco Bay Area Rapid Transit District	\$43,000	\$64,600
E	Volunteers Assisting Same Day Transportation and Escorts	Senior Support Program of the Tri Valley	\$153,140	\$169,140

**N = North, C = Central, E = East, CW = Countywide**

**Total**

**\$3,946,000**

**\$5,993,956**



**Alameda County Transportation Improvement Authority**  
1333 Broadway, Suite 300, Oakland, CA 94612  
Phone (510) 893-3347 • Fax (510) 893-6489  
www.actia2022.com

**Funded by Measure B Sales Tax 2002 - 2022**

