

**UNIVERSAL FARE SYSTEM (UFS)
PROJECT STATUS
QUARTERLY UPDATE**

Presented to

LACMTA OPERATIONS COMMITTEE

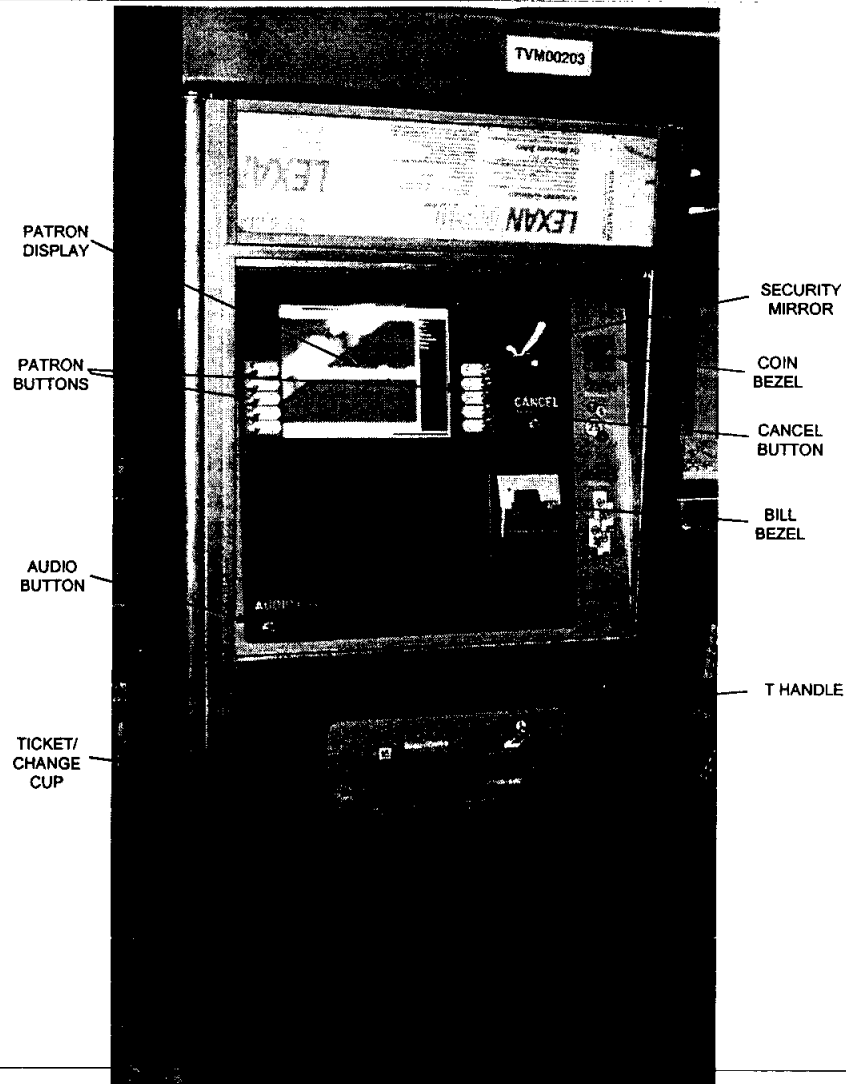


April 17, 2003

Three key areas of UFS project to update:

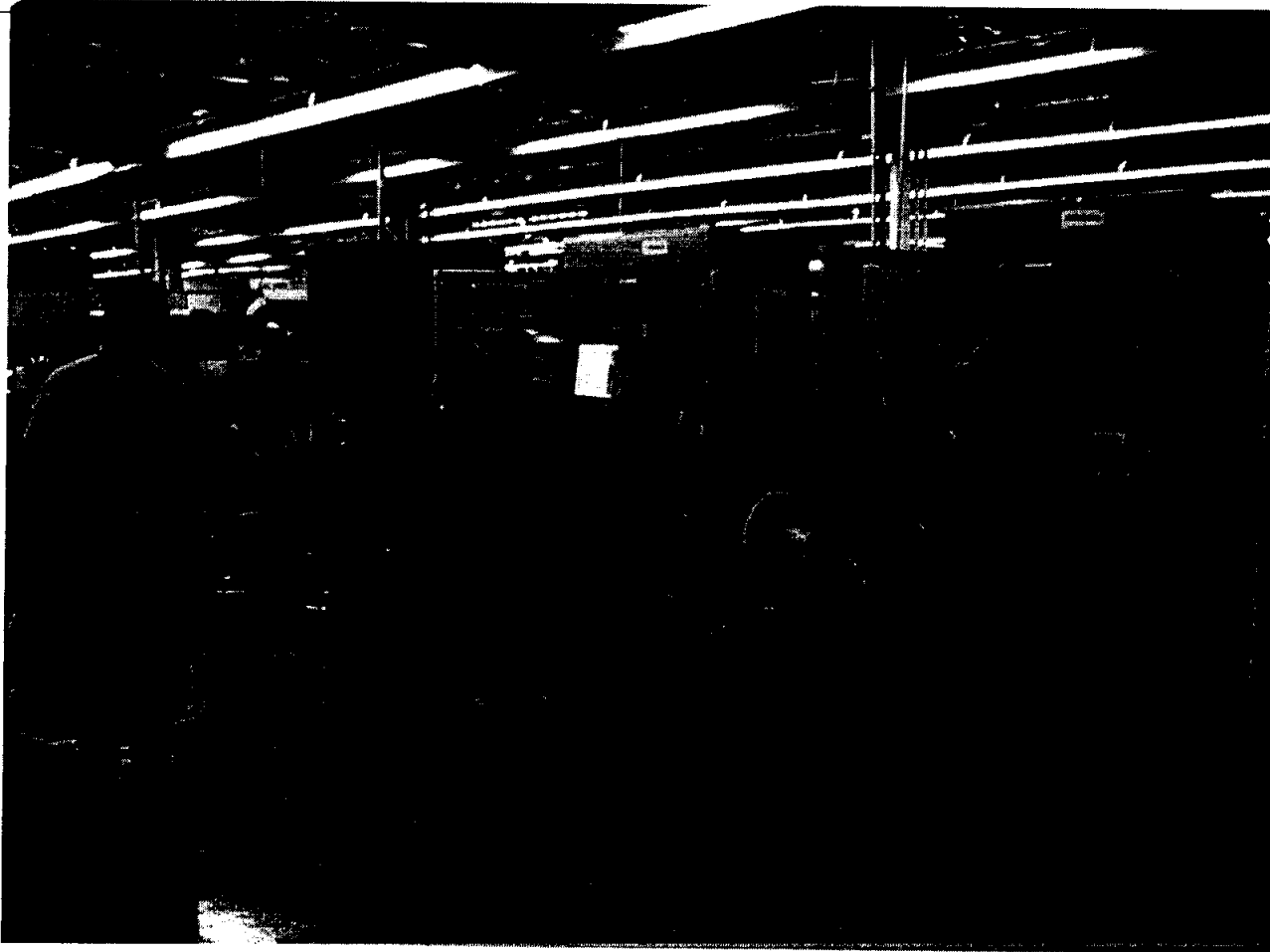
- **Pasadena Gold Line TVM status**
- **Municipal Operators / Regional Program Update**
- **MTA's UFS program status**

I. Pasadena Gold Line TVM

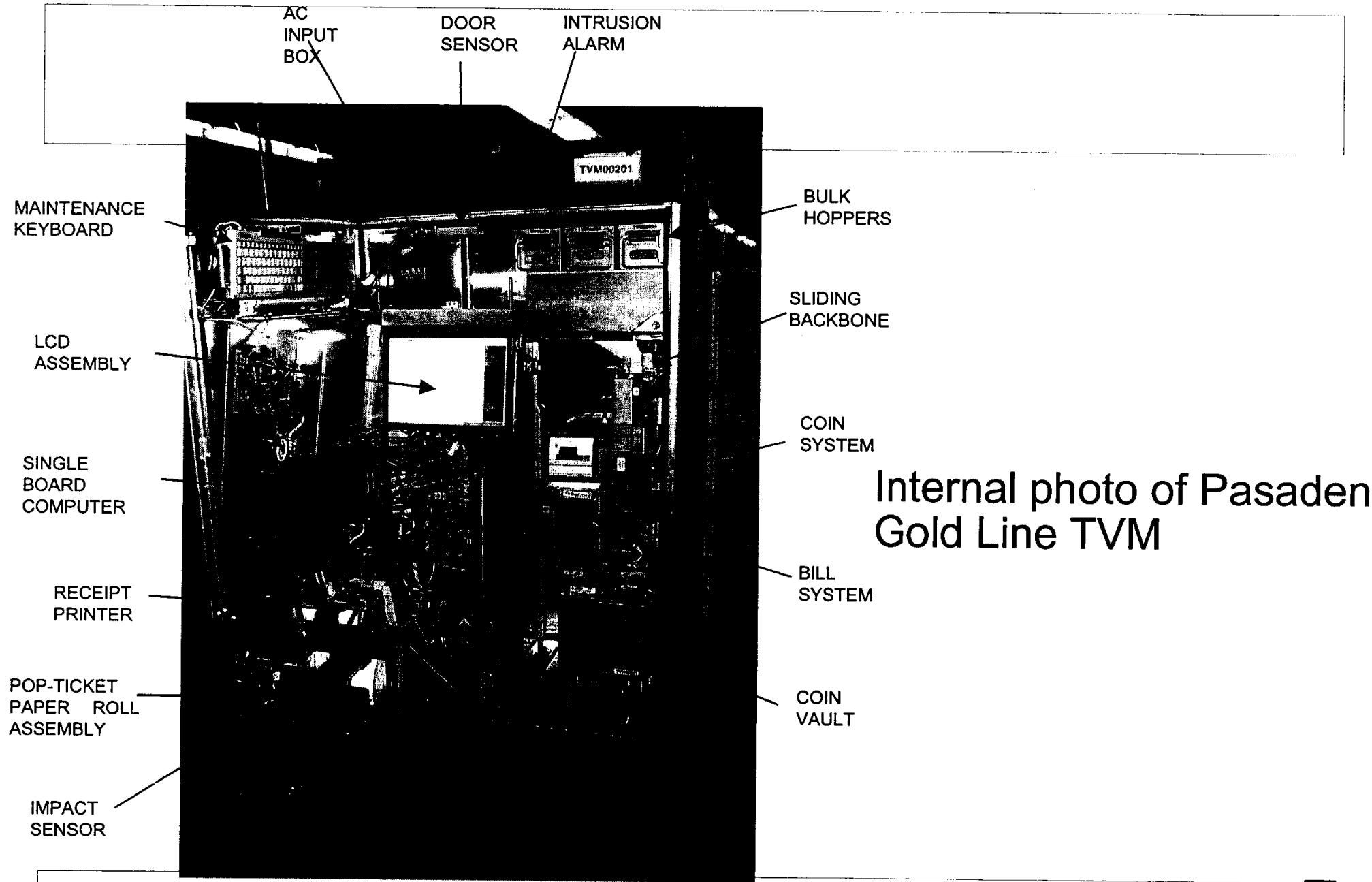


Front view of pre-production Machine shipped to San Diego from Tullahoma, Tennessee for testing

Pasadena Gold Line TVMs



MTA's pre-production TVMs at San Diego in testing process



Internal photo of Pasadena Gold Line TVM



Features specific to Pasadena equipment

- **Los Angeles is “beta”**
 - Other properties, such Twin Cities, Minn are also in the ‘queue’
- **Equipment has gone through extensive testing**
 - MTA’s Quality Assurance staff, together with UFS Oversight Consultants (Booz) have managed contractor to rigid test procedures
 - MTA maintains a physical presence at both the Cubic San Diego headquarters, and in Tullahoma, Tennessee (mfg plant)
 - (4) pre-production machines have been tested extensively in San Diego, and include MTA staff from stakeholder departments
- **Limited installation to start next week in Pasadena pending test results this week...**

Pasadena “Next Steps”

- **Train MTA personnel to assist patrons with new equipment**
 - **Functionality is identical to current equipment, but all riders will need assistance to “navigate” through new screens and buttons**
 - **Conduct special preview to ADA/Paratransit group**
- **Continue to test equipment in the field, with MTA and Cubic staff**
 - **New equipment will have “bugs”. MTA staff will incorporate continuous improvements into the UFS final design**
- **Ensure all TVMs are installed and operational to meet ROD**

II. Status of the *REGIONAL* UFS Program

Contracts Signed

- **Antelope Valley Transit**
- **Culver City Bus**
- **Foothill Transit**
- **Montebello Municipal Bus Lines**
- **Norwalk Transit**
- **Santa Clarita Transit**
- **Torrance Transit**

Contracts in Process

- **Long Beach Transit**
- **LADOT**

Operators waiting with Negotiated Pricing

- **Gardena Transit**
- **Santa Monica Big Blue Bus**

Other:

**Discussions with ASI
and CityRide –
potential technology
solutions underway**

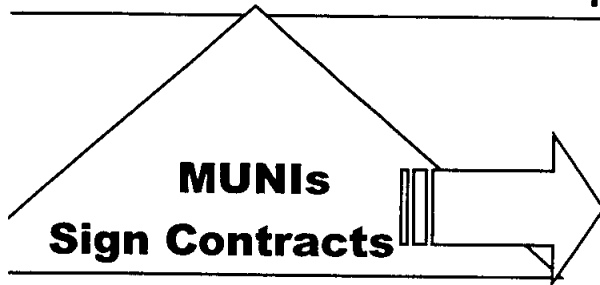
Key activities - Countywide Regional UFS in 2003...

Jan Feb Mar

April May June

July Aug Sept

Oct Nov Dec



**MUNIs & MTA continue working on inter-agency
business and management rules & policies**

**Engage Consultant
Write Tech Specs for
Regional Clearinghouse**

**Issue an RFP for Regional
UFS program**

Next Steps for Regional Program

- **Bring staff recommendation to amend Technical Oversight Consultant contract to Operations Committee**
- **Work with other regional operators currently implementing smart card systems, such as WMATA/Baltimore, MARTA, Seattle, and Translink**
- **Support APTA's "Universal Transit Fare System" (UTFS) efforts to standardize transit smart cards nationally**

III. MTA's UFS Program Status

- **The UFS project is concluding Preliminary Design Review**
- **While TVMs are being designed for Pasadena, UFS bus fare boxes have also made progress**
- **(5) prototype fare boxes are being developed with MTA bus operators for demonstration to each MTA Operating division**



Bus Operators Work On Making Fare Boxes Fair

By ADRIENNE FIGUEROA

(March 14, 2003) A group of Metro Bus operators drawn from all operating divisions was given an opportunity, recently, to critique new farebox technology that will enable passengers to pay for their bus fare with a tap of an electronic "SmartCard."

Operators play critical role in assessing new bus equipment...



Metro Bus operators Paul Inocencio from San Gabriel Valley Division 9 and Thomas Scott from Crossroads Depot Division 2 evaluate the functionality and design of the new fare box.

Next Steps for MTA UFS program

- **Begin final design of all UFS equipment**
 - **Prepare for fare structure changes and impacts to final equipment design**
- **Work with retail vendors to introduce the new sales office terminals**
- **Prepare bus divisions for prototype demonstrations**
- **Work with bus and rail Transit Operations staff to prepare for equipment pilot**

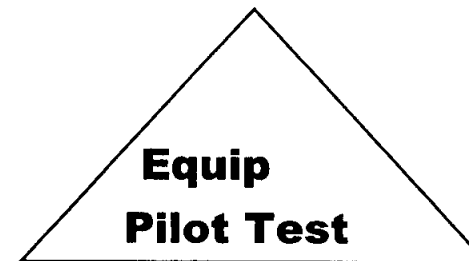
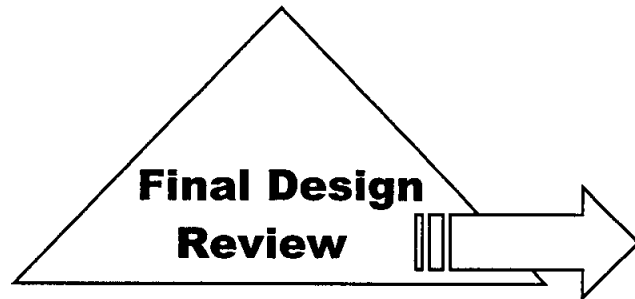
MTA's UFS Program Status

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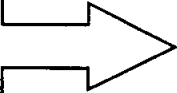
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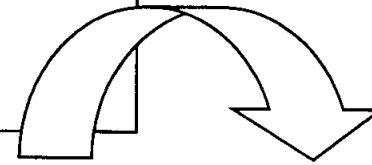
Combined UFS Project Schedule 2004 +

an Feb Mar April May June July Aug Sept Oct Nov Dec 2005

**MTA Equip
PILOT TEST**



**MTA Bus, Rail &
Retail Outlet Installations**



**MUNI Installations
Begins...**

KEY ACCOMPLISHMENTS since last update to Operations Committee in January 2003:

- **Pasadena Gold Line TVMs in various stages of testing and installation**
- **MUNI equipment options finalized; contracts signed**
- **Prototype fare boxes being developed with bus operator input**

Highlight

- **Presentations at APTA Annual Fare Collection Workshop in Fort Worth, Texas**

Next Steps

- **Continue development of MTA Business Plan**
- **Engage consultant to write technical specifications for Regional Clearinghouse.**
 - **now that MUNIs have completed signing their UFS contracts, we must proceed expeditiously to implement the countywide, regional UFS program.**