

FAXED TO BOARD MEMBERS :
APRIL 27, 2000

April 19, 2000



Metropolitan
Transportation
Authority

One Gateway Plaza
Los Angeles, CA
90012-2952

TO: BOARD OF DIRECTORS

FROM: JAMES L. de la LOZA, EXECUTIVE OFFICER,
REGIONAL TRANSPORTATION PLANNING &
DEVELOPMENT

SUBJECT: AGENCIES WITH AUTOMATED FARE COLLECTION
TECHNOLOGY

At the April 19, 2000 Operations Committee meeting, Board members expressed an interest to visit other transit properties in order to observe and compare various fare collection technologies available to the transportation industry, and particularly, as these relate to MTA's forthcoming fare collection procurement.

Attached for your information is a table of transportation agencies throughout the world using various types of automated fare collection technologies including fareboxes, magnetic stripe passes, smart cards, ticket vending machines with backroom infrastructure supporting these systems. MTA consultants, Booz Allen & Hamilton, assisted in the compilation of this information to ensure that the locations listed correlated as closely to MTA's proposed specifications as possible. Namely, the criteria were based on the size of the operation, extra-agency coordination/clearing house architecture (i.e. municipal bus operators, shuttle providers), and multi-modal systems (i.e. operating subway, light and commuter rail, etc.)

Please note the column labeled "Systems in Development" on the attached matrix which indicates many of these properties are in various stages of implementation, and that the system may not be fully completed. Since some of these systems are recommending relatively new technology and since implementation typically takes several years, this is not unexpected.

The Board Chair and the Operations Committee Chair will be establishing a committee to review the list of transit properties so that they may coordinate these visits. If you are interested in participating in potential site visits, please contact Jim McLaughlin at 213-922-2806 by the close of business, May 1.

CONTACT LIST FOR UNIVERSAL FARE SYSTEM

<i>Agency & Contact</i>	<i>Address</i>	<i>Phone*</i>	<i>Fax</i>	<i>Email*</i>	<i>Systems in Operation</i>	<i>Systems in Development</i>
London, England London Underground Jerry Westin	Marketing & Planning Telstar House Eastbourne Terrance London W-2, 6LG	011-44-20- 7724-5600	011-44-20- 7918-0668		Gated magnetic system currently in operation in approximately 90% of the system; the remainder is point of purchase.	Contract awarded to Transys Consortium for provision of new equipment, gating of the remainder of the system, and assumption of certain fare systems operational functions. In process of gating the remainder of the system, anticipate entire system to be gated by end of the year; Prestige smart card program is under development and will begin implementation in a couple of years.
Washington, DC WMATA Thomas Donahue	600 - 5 th Street, NW Washington, DC 20001	202-962- 2429	202-962- 1409	tdonahue@ wmata.com	WMATA operates a fully gated Metro system and regional bus services. Contactless smart card readers have been installed on the majority of fare gates in the Metro system. 52,000 contactless smart cards have been distributed to date.	WMATA is in the process of establishing operating rules for a distributed clearing architecture to support regional expansion of the SmarTrip smart card system. Fare gates will have smart card readers installed by March 2000. Currently in procurement for farebox equipment.

<i>Agency & Contact</i>	<i>Address</i>	<i>Phone*</i>	<i>Fax</i>	<i>Email*</i>	<i>Systems in Operation</i>	<i>Systems in Development</i>
New York City Transit Authority Steve Frazzini	370 J Street, #513 Brooklyn, NY 11201	(718) 243- 8488	(718) 521- 7063		NYCTA has fully rolled out its Metro Card magnetic-based fare card program. Metro Card is accepted on both bus and Metro services. Free transfers are provided from Metro to bus.	Long Island Rail Road and Metro North Railroad are currently jointly procuring ticket vending machines with the capability to vend pre-loaded Metro Cards. Currently half way through implementation.
San Francisco Bay Metropolitan Transportation Commission (MTC) Russell Driver	101 Eighth Street Oakland, CA 94607 (mail only) 1999 Harrison Street 17 th floor Oakland, CA (offices)	(510) 817- 3252	(510) 817- 3299	rdrive@mtc.ca. us	N/A	MTC is currently in the final design phase of the development of the TransLink regional smart card system. A team led by Motorola, with ERG as the primary equipment manufacturer, is designing the system, will manufacture and install fare equipment to support regional operations, and will operate and maintain the system under contract to MTC.
Chicago Chicago Transit Authority Joseph Simonetti	901 W. Division Street, Chicago, IL 60622	(510) 464- 7808	(312) 255- 5904	jcsimonett@aol .com	1997, the CTA implemented a magnetic fare card system for their entire bus and rail system, referred to as the Transit Card. They have also implemented a University Pass for college students.	CTA is also implementing a Smart Card demonstration project for elderly and disabled passengers.

<i>Agency & Contact</i>	<i>Address</i>	<i>Phone*</i>	<i>Fax</i>	<i>Email*</i>	<i>Systems in Operation</i>	<i>Systems in Development</i>
Creative Star Limited Rob H. Noble, Chief Executive Officer	Units 1105-1111 Chevalier Commercial Centre 8 Wang Hoi Road Kowloon Bay, Hong Kong	Tel: (852) 226-62288	Fax: (852) 226-62277	robnoble@octopus.com.uk	Creative Star operates a multi-modal smart card system with 4 million transactions per day for fare payment on subway, light rail, intercity rail, ferries, and several bus lines. The equipment was provided by ERG/Motorola. In operation for 4 years.	Further expansion is continuous and on-going as the smart card system has been implemented for telephone and other non-transit uses..