



The Fare Collection System Project

Presentation to
Finance Committee
RTA Board of Trustees
January 9, 2007



Why a New Fare Collection System?

- Replace obsolete equipment
- Improve revenue security
- Improve ease of use for customers
- Improve travel time for customers
- Improve service efficiency
- A key element of Silver Line Project



Progress to Date

- Contracted with LTK Engineering to guide RTA team throughout project
- Evaluated Alternatives
- Prepared Specifications
- Industry Review of draft RFP
- Final Internal Review of Project
- Award contracts (January 2007)



Project Schedule and Est. Cost

Notice to Proceed:	Feb. 1, 2007
System Operational:	Summer 2008
Smart Card Phase-In:	2008-2010
Project Budget:	\$30 million
Est. Project Cost:	In negotiation



What's included?

- Fareboxes
- Ticket Vending Machines
- Customer Service Kiosks
- Faregates
- Revenue Security Equipment
- Systems Integration
- Site preparation (separate IFB)



TVM



Access control gates

The Next Generation Automatic Fare Collection System

- Interface to Smart Bus Systems
- Advanced Driver and Passenger Displays
- Issues and Validates Magnetic Transfers
- Processes Magnetic Stripe Documents
- Provides Electronic Change
- Validates Coins and Bills
- Accepts Credit Cards
- Compact size



CFI GENFARE



Selected Technology

- Continue Magnetic Fare Cards
 - Use more reliable magnetic technology
 - Procure faster equipment
 - Offer improved graphics
- Phase in Smart Card After System Runs
 - RTA Employee IDs
 - Paratransit and senior/disabled customers
 - Universities and Commuter Advantage
 - Monthly Pass Users



Why not just smart card?

- Onboard sale of All-Day Passes is very popular – needs to be continued
- Cost of disposable smart cards to issue as All-Day Pass is still too high



Proof-of-Payment

- To be used on Silver Line and Red Line
- Customers pay before boarding
- Customers receive Proof-of-Payment document
- Transit Police do random inspections
- Ohio law authorizes fines up to \$100
- RTA Board authorizes enforcement policies



Proof-of-Payment

- Rail Rapid Transit (PARTIAL LIST)
 - Baltimore
 - Dallas
 - Denver
 - San Diego
 - St. Louis
- Bus Rapid Transit
 - Las Vegas
 - Los Angeles



How the New System will Operate

	Bus	Light Rail	Silver Line	Red Line
Payment	Like Today	Like Today	Pre-board	Pre-board
Inspection	Like Today	Like Today	T. Police: day Driver: late night/weekend	T. Police
Farebox & Readers	Yes	Yes	Yes	No
TVMs	-	Tower City, W 3 & E 9	All	All
Fare Gates	-	T. City, W 3	-	Tower City

Paratransit: Vehicles will have readers to verify ID, record trip, deduct fare



Procurement Strategy

- Goal: Maximize competition
- Challenge: Few farebox providers
- Opportunity: More vending machine and site preparation vendors
- Strategy: 3 separate solicitations
 - On-vehicle fare system (Jan. award)
 - In-Station fare system (Jan. award)
 - Site preparation (IFB spring 2007)



New System Will Improve Service

- Faster Boarding Times:
 - Faster Travel Times for Customers
 - Higher Operator Productivity
- Greater Reliability
 - Fewer equipment failures
 - More revenue collected
- Better Revenue Security
- Better Ridership & Revenue Information



The Fare Collection System Project

Presentation to
Finance Committee
RTA Board of Trustees
January 9, 2007