



**THE PORT AUTHORITY
OF NY & NJ**

Modernization Program Update



April 29, 2010

PATH Integrated Railcar and Signal System Replacement Program

Program elements include:

- 340 New Railcars
- Maintenance Facility Renovations/Updates
- Signal System Replacement Program



New PATH Railcar Features

Include:

- AC propulsion
- ADA compliance
- Advanced diagnostics capability
- Automated on-board train announcements
- LED designation signs
- On-board video recording
- Integrated design to accept ATC in the future



As of April 23, 2010, of the 340 cars ordered:

- 119 cars have been delivered
- 102 accepted
- 17 undergoing acceptance testing

Approximately 91 additional cars are expected to be delivered in 2010, and the remaining cars are scheduled for final delivery in 2011.



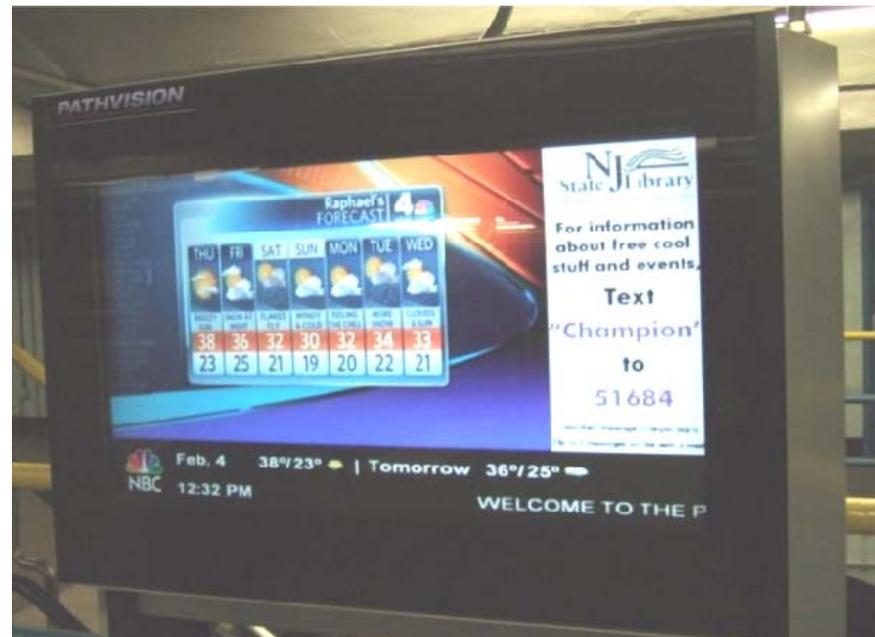
PATH Infotainment System

Carborne Passenger Video Infotainment System



- 4 sets in each car; 2 monitors per set
- Daily content updates via a WiFi infrastructure
- Bottom of display has a crawl with PATH content

In-Station PATHvision



- 236 monitors in 13 Stations
- Two content updates per day
- Bottom of display has a crawl with PATH content

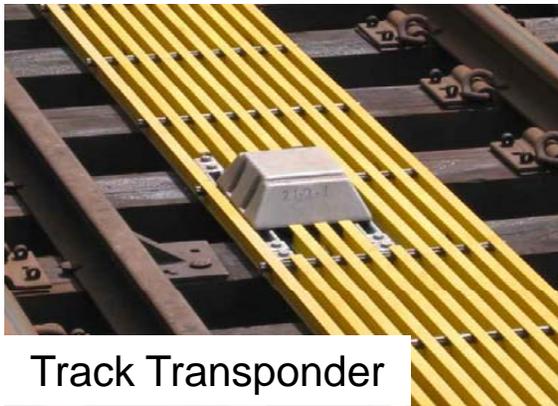
PATH Signal System Replacement Project

Goals

Replace antiquated fixed block signal system with a state-of-the-art Automatic Train Control (ATC) System to:



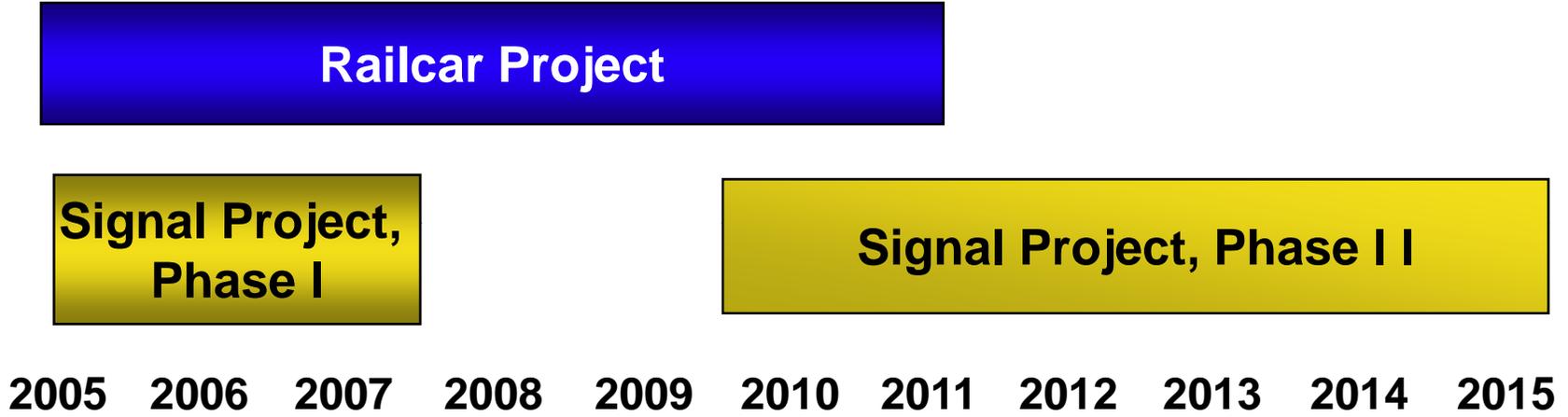
Engineer's Control Panel



Track Transponder

- Ensure long-term viability, reliability, and avoid obsolescence
- Enhance safety through continuous overspeed protection
- Meet FRA Positive Train Control (PTC) legislation
- Provide real-time train location information and smoother ride
- Reduce headways, increase throughput and system capacity by up to 20%

Overlay of PATH Railcar and Signal Replacement Project Schedules

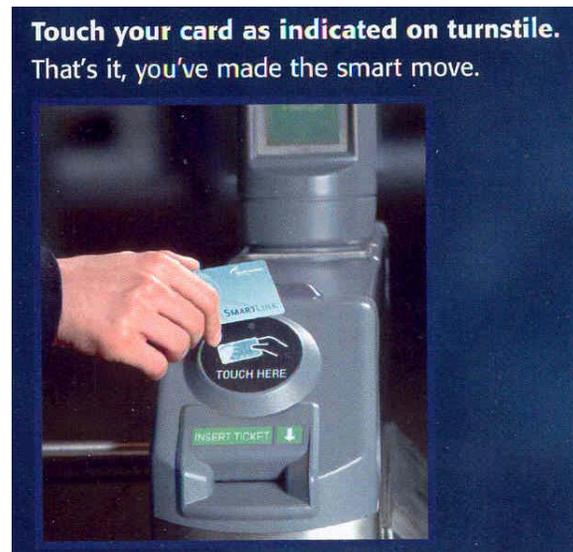
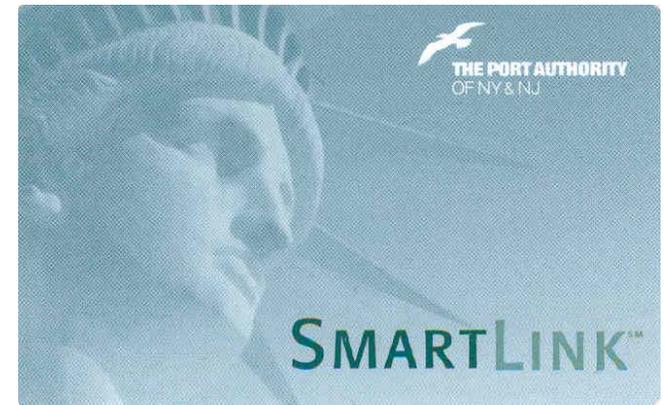


PATH Regional Fare Collection System Improvements

PATH Automated Fare Collection System was initially installed in 2003.

Fare media currently accepted is:

- PATH QuickCard
- NYCT Pay-Per-Ride MetroCard
- PATH SmartLink Card

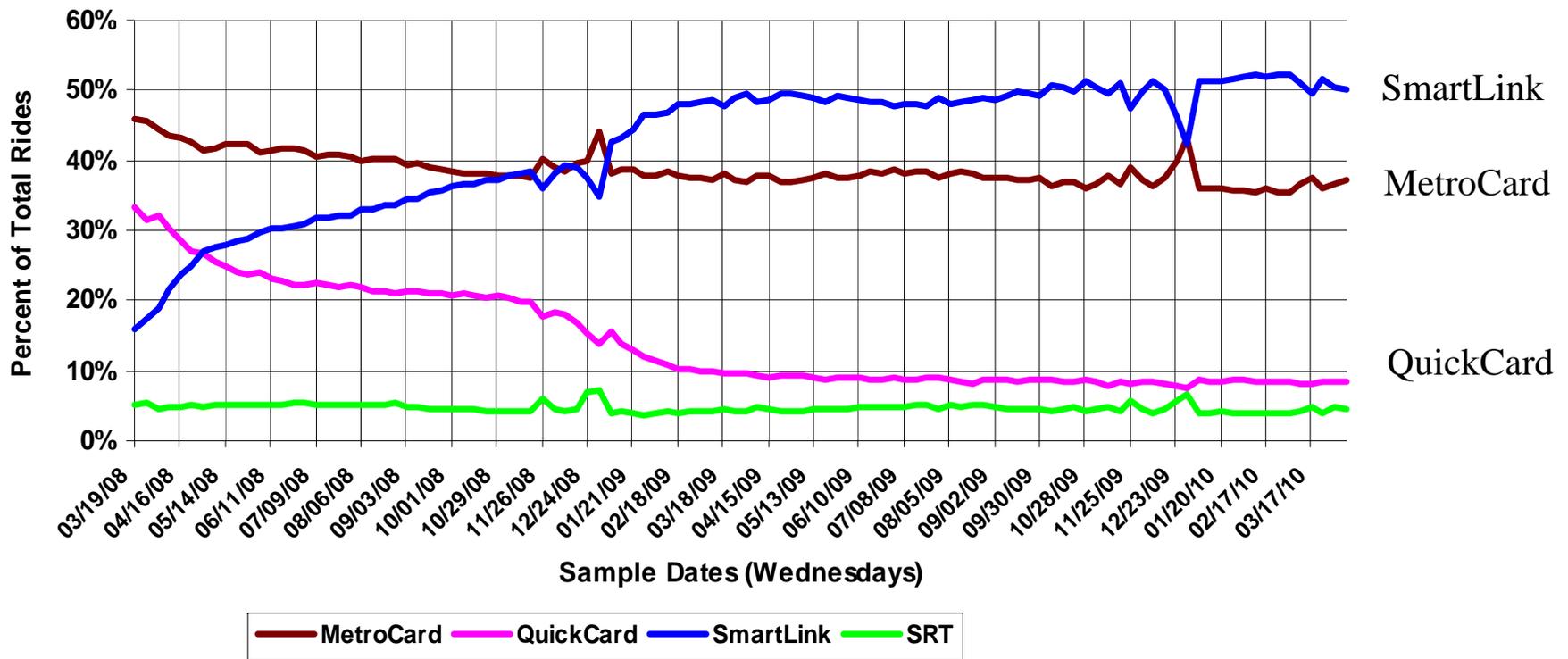


PATH SmartLink Card Usage Improvements

Fare media trend from MetroCards and QuickCards to the contactless SmartLink Cards

(SmartLink Card over 50% market share)

PATH Fare Media Trend Analysis



PATH Regional Fare Collection System Improvements

Some Key initiatives include:

- Introducing a “limited use” SmartLink Card in 2010 and phase out the QuickCard
- Adding additional dispensing machines to enhance customer service
- Working with New Jersey Transit and New York City Transit on a contactless bank card demonstration pilot



PATH Station Modernization Program

Program Includes:

- Station Seating
- Mural Program
- Public Address System
- PATHvision
- New Station Way Finding Signage



