Building On Success: Regional Data Sharing for Travel Times

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A Transit Perspective

• Travel Time Plays an Integral Role Within the NJT Portfolio of Transit Services

• Service Planning
  – Route Management
  – Smart Ticketing

• Passenger Services
  – Trip Planning – Single and Multi-modal
  – Transit Monitoring and Real Time Alerts

• Transportation Management Systems
  – Intelligent Dispatch and Terminal Management
• Manual Calculations and Data Capture is Becoming More and More Automated
  – Route and Way Point Analysis
  – Passenger Counting
  – Real Time Data

• As Our Technology and Data Gathering Capability Increases, NJT Offers Substantial Value to Regional Travel Time Programs
  – Multi-modal Trip Planning
  – Capacity Based Data
Smart Bus Project

• Deployment In Progress, Ultimately Will Cover All Routes and All Assets

• Automating Data Collection and Increasing Accuracy

• Incremental Benefits - Planning
  – Scheduled Time / Actual Time

• Customer Benefits - *My Bus Now*

• Data is at a Micro Level
  – Previously Not Possible
  – Way Point Analysis
• Train Management and Control
• Legacy System Replacement
• Advanced Safety, Management, and Control
• Data Perspective
  – Real Time Location Data
  – Real Time Messaging
    • Internal (Operations) and External (Customer Alerts)
  – Improved Analytics
    • On Time Performance and Adherence to Schedule
    • Capacity Management
Regional Impact

• Collect, Analyze and Share a Robust Data Set
• Integration Will Lead to Interoperability
• Improved Customer Experience Through Real Time Information
• Increased Efficiency Throughout the Region’s Transit Network
Thank You