Alaska ITS Conference
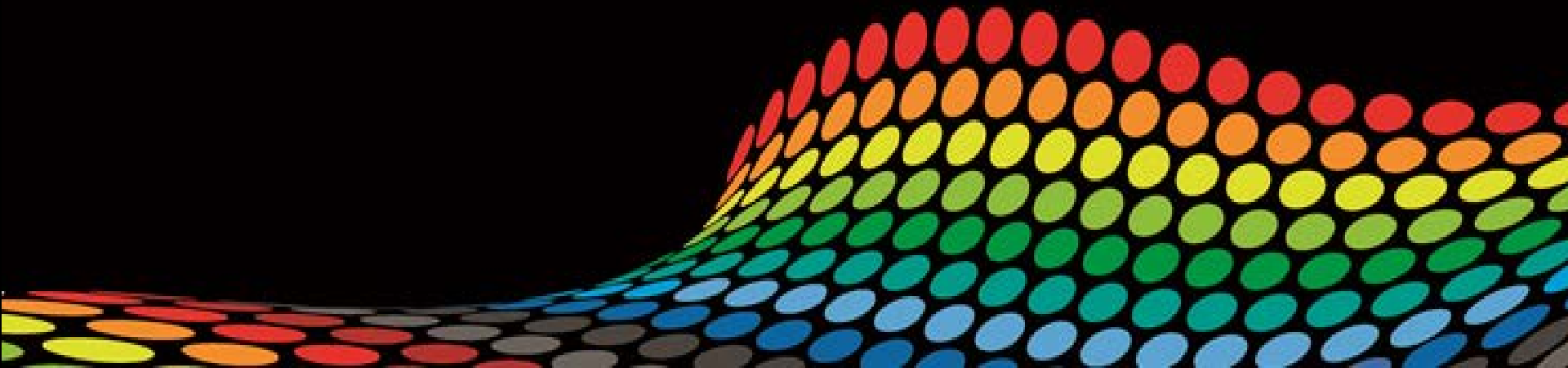
October 23, 2013

Thank You!

Presenter: Derek Leydig (Program Manager) – Avail Technologies

Agenda

- ❖ **Who is Avail Technologies**
  - Experience
  - National Presence

- ❖ **ITS for Public Transit in Alaska**
  - Overview/Benefits
    - Anchor Rides
    - PeopleMover

- ❖ **Avail in California**
- ❖ **Questions and Answers**

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Who is Avail Technologies?

❖ Avail's staff have been pioneers in the ITS for public transit market!

- ✓ Helped steer the Technical Advisory Group for Intelligent Transportation Systems,
- ✓ Leading working groups for the Intelligent Transportation Societies Sensory Advisory Committee,
- ✓ Chaired the Transit Communications Interface Profiles (TCIP) Technical Working Group for Control Centers Business Area,
- ✓ Have one of only two people chosen to represent the United States as a member of the International Standards Organization (ISO) Technical Committee 204 Working Group for Public Transport and Emergency Services
- ✓ Authored and was issued U.S. Patents for Traffic Light Preemption triggered via GPS (Pat #6,064,319), and the Automatic Annunciation triggered via GPS (Pat #5,808,565)
- ✓ and many, many more.

❖ Two decades of hands-on Systems Integration experience

❖ Have worked with virtually every major ITS vendor in the industry to design and develop their products and interface protocols

❖ And today, has more deployed and proven third party interfaces than any other company

Enhance Your Rider's Experience

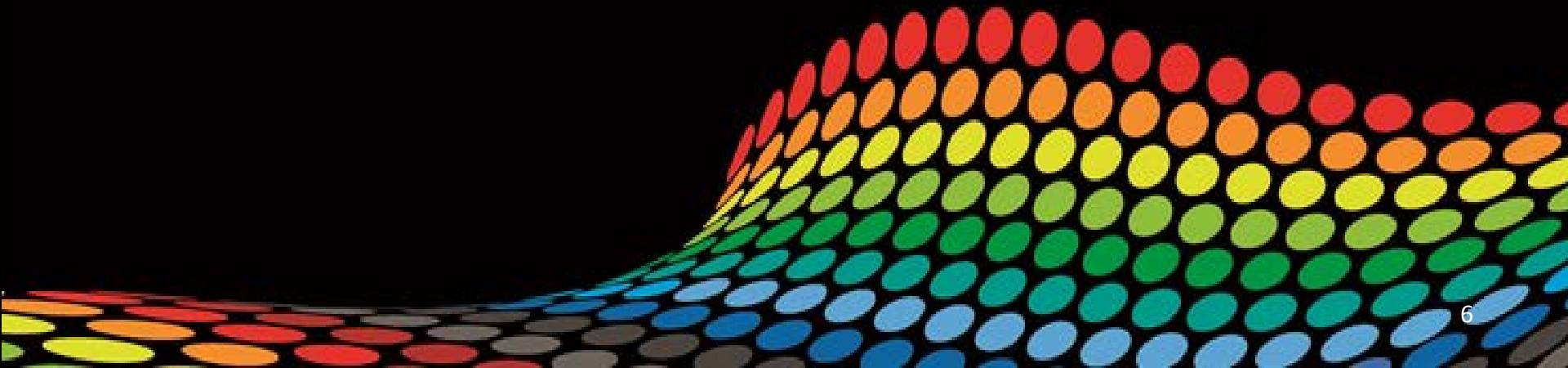avail
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Strong Nationwide Partnerships

A sampling of our partners from across the Nation

Avail in Alaska

Municipality of Anchorage - PeopleMover

February 2003 Avail awarded a multi phase contract to:

- ❖ Replace People Movers' Teleride GSCHED Fixed Route Scheduling and Runcutting system
  - Replaced with Transched-Sched 21 Runcutting and Scheduling software

- ❖ Replace People Movers' Teleride Telerider IVR
  - Replaced with Transched Interactive Voice Response

- ❖ Replace AnchorRIDE's Trapeze Pass DOS Demand Response Scheduling, and Add Mobile Data Computers and Automatic Vehicle Location (AVL) technology to the AnchorRIDES paratransit fleet and the People Mover Deviated Fixed Route buses.
  - Upgrade Trapeze PASS, installed Mentor Mobile Data Terminals with integrated GPS

- ❖ Add a Rostering and Timekeeping program for the People Movers' Fixed Route System replacing a manual system
  - Transched Teledriver

Anchorage PeopleMover

2005 Avail awarded contract to add fully integrated fixed route technologies to the People Mover system.

Technologies included:

- Avail Computer Aided Dispatching and Automatic Vehicle Location
- In – Vehicle Mobile Data Terminals
- Avail Integrated Voice and Data Communications
- Avail Automatic Passenger Counters
- Schedule Adherence Monitoring
- Integration with Sched21 fixed route runcutting software
- Data Messaging
- Replay
- Deploy Digital signage at key locations throughout the People Mover system
- Avail InfoPoint Real-time passenger information via the web

Anchorage PeopleMover

2011 Avail awarded contract to add new Fare Collection system, Point of Sale and Interactive Voice Response

Technologies included:

- Integrated Point of Sale Stations
- New Farebox's
- Integrated Ticket Vending Machine (TVM)
- Interactive Voice Response system (currently ongoing)

Benefits of a Fully Integrated Suite ITS Technologies

Anchor Rides Paratransit:

- Electronic download of driver manifest
- Improved on-time performance
- Improved scheduling based on historical data from the system
- Reduced voice radio traffic via data messaging

People Mover Fixed Route:

- Improved on-time performance through on-board schedule adherence monitoring
- Improved data reporting capabilities
- Stop level passenger counts
- ADA compliant next stop announcements

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Avail in California

2012 Avail awarded contract with Montebello Bus Line For Avail's latest *role based* suite of ITS technologies called myavaiL

- CAD/AVL
- Data Analysis and Reporting
- Replay
- Incident Reporting
- And much, much more

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CAD/AVL Backend System

Fully integrated backend solution with customizable **role based user interfaces** designed with an understanding of transit operations

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Data Mining, Reporting & Analysis
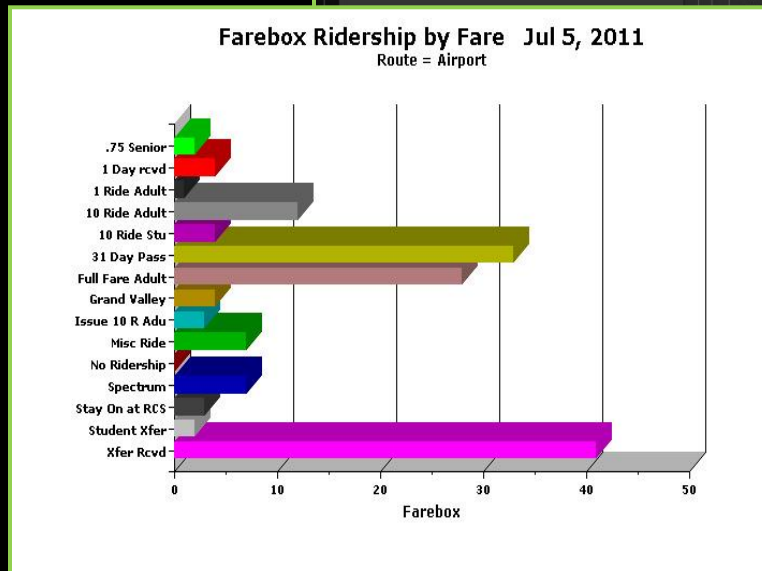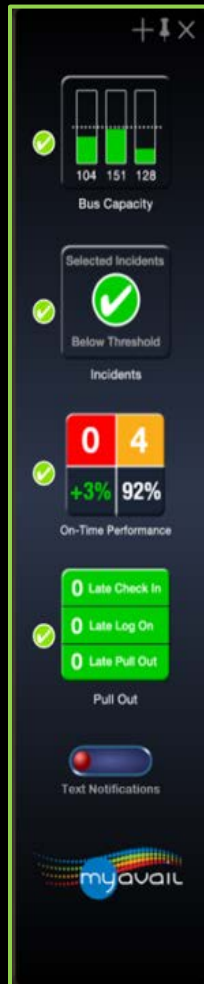
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MBL In-Vehicle Technologies

Avail Vector 9000 Mobile Data Computer

- Single Point of Log on:

  - Headsign

  - Automatic Passenger Counter's

Avail's latest IVU

  - J-1708/J-1939

  - Automatic Next Stop Announcements

Cellular Data Messaging

Wheel Chair Interface
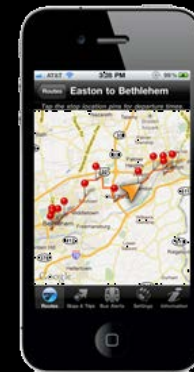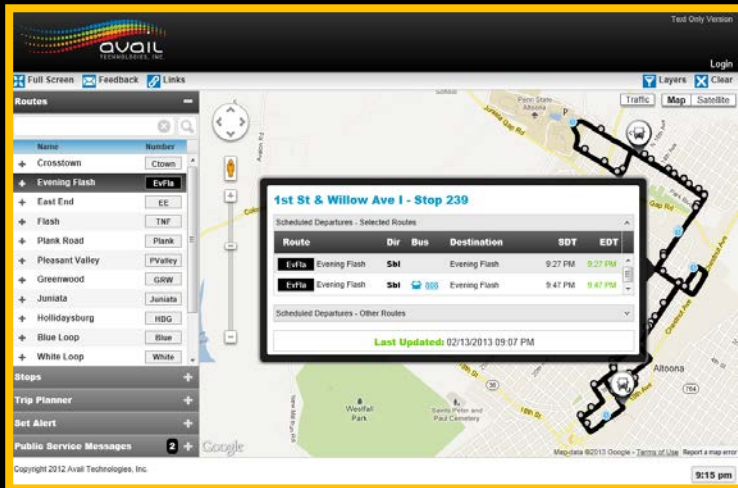
Emergency Alarm

Transfer Connection Protection

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MBL Real-Time Passenger Info

Passenger Information via Avail InfoPoint

- Web Site
  - Fully integrated with Google Trip Planner
- SMS text or e-mail alerts
- QR Codes

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Thank You for your time today!

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