



REGIONAL TRANSPORTATION DISTRICT

Denver, Colorado

Automated Stop Announcement (ASA) Community Meeting #2



Contract # 18DH016

Owner's Representative to Support Replacement of RTD's Radio and CAD/AVL Systems

IBI Group with Pericle Communications Company

February 17, 2010

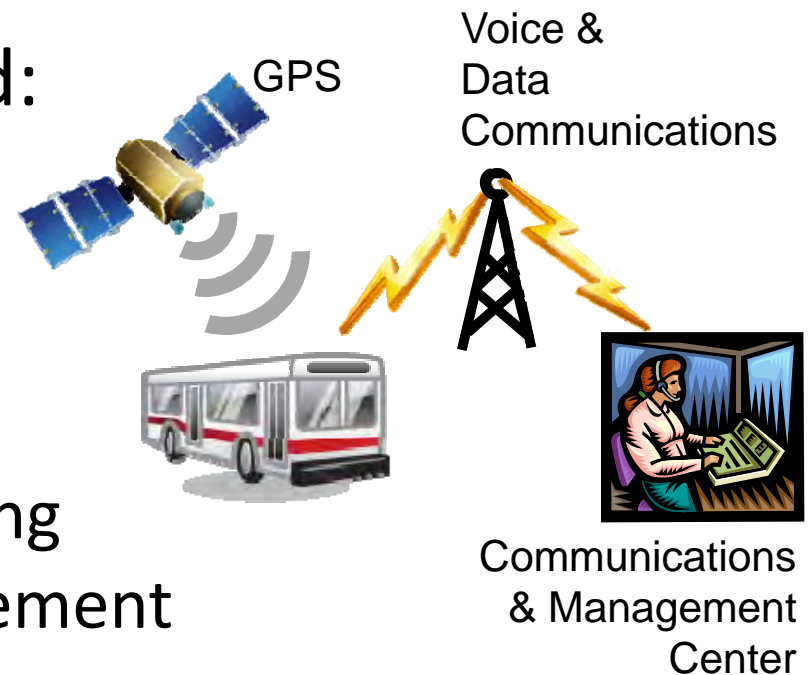
TOPICS TO COVER

- Introductions
- Overview of the Radio-Computer Aided Dispatch/Automatic Vehicle Location (CAD/AVL) Project
- Review Community Mtg. #1
- Automated Stop Announcement as Part of the Radio-CAD/AVL Project
- Community Involvement in Procurement Process
- Questions and Discussion



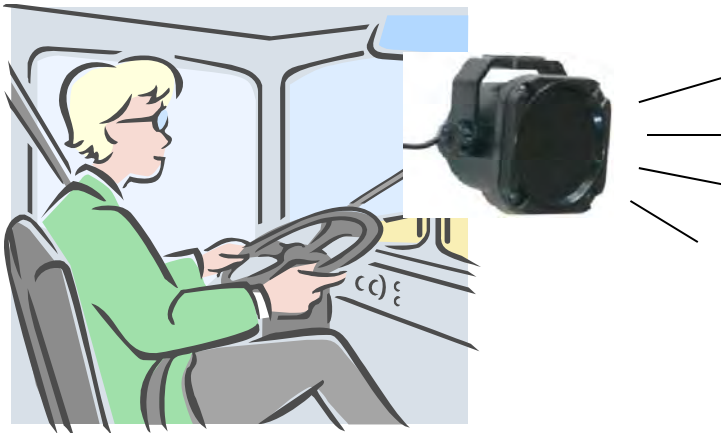
OVERVIEW RADIO-CAD/AVL PROJECT

- Replace Aging RTD Vehicle Tracking, Communications, and Dispatching (original system now 15+ years old)
- Benefits Include Improved:
 - Safety Features
 - Performance Monitoring
 - System Management
 - Enhanced Features Including Automated Stop Announcement
- Request for Proposal (RFP) will be advertised very soon



OVERVIEW OF COMMUNITY MEETING #1

- Introduced Project to Attendees
- Reviewed ASA Technologies, Design Decisions & RTD Considerations
- Heard Important Feedback on:
 - Desire to be engaged in procurement process
 - Input on design and technical decisions



AUTOMATED STOP ANNOUNCEMENT BACKGROUND

- Brief overview of ASA components and system as currently specified in Request for Proposals (RFP)
- RFP only covers requirements of what the system will be capable of doing
- Regardless of vendor selected there is a wide range of operational and configuration decisions to be made during deployment

AUTOMATED STOP ANNOUNCEMENT BACKGROUND



- Audio Announcements:
 - Similar to operator announcements, but automated
 - Internal announcements for next stops, transfers, etc.
 - External announcements



- On-Board Electronic Passenger Display:
 - Displays next stops, transfers, etc.
 - Other service information
 - Stop requests

AUTOMATED STOP ANNOUNCEMENT BACKGROUND

- All Fixed-Route Buses to have ASA
- Typical Bus Equipment:
 - Typical 40 foot – 1 passenger display
 - Typical 60 foot (articulated) – 2 passenger displays
- Ambient Noise Level Adjustment – internal & external
- System Audio Quality will be tested



AUTOMATED STOP ANNOUNCEMENT BACKGROUND

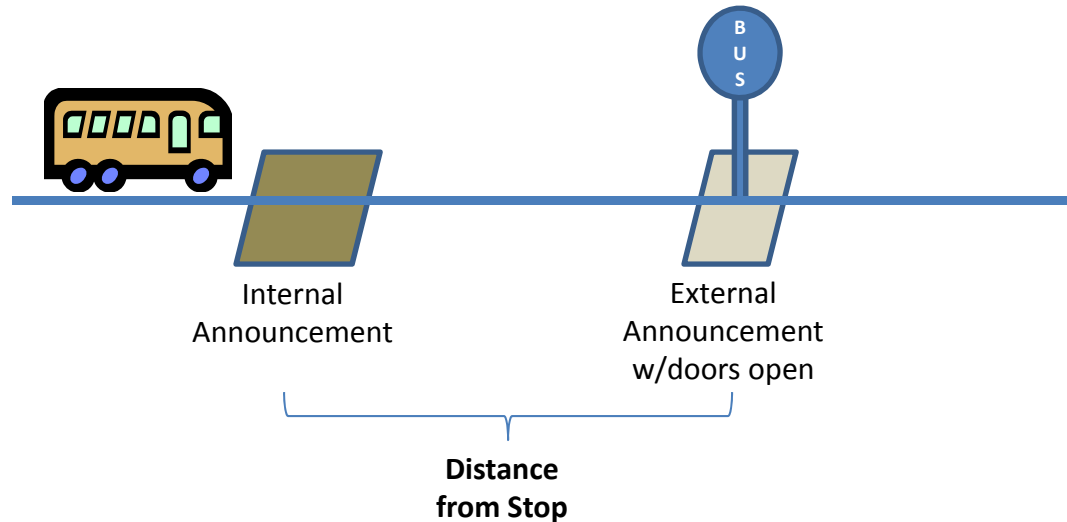
- Passenger Display Details:
 - 26 Character Display
 - Bright Yellow LED – Preferred for Visibility
 - Integrated Stop Request Indication
 - Auto Brightness Control
 - Scrolling and Paging of Long Messages
 - Default to Time of Day



AUTOMATED STOP ANNOUNCEMENTS BACKGROUND

- Functional Capabilities:
 - Ability to announce every fixed route stop in scheduling system:
 - Passenger displays
 - Internal audio
 - External audio
 - Operator can make canned announcements, repeat announcements, or use regular PA.
 - Operator can adjust volume within a min/max range (not turn it off)
 - Dispatcher can make announcements
- High Level of Configurability to Meet Varied Operational Needs

CONFIGURATION ISSUES



- Design, Configuration & Implementation details include:
 - Trigger point distances
 - Length and content of audio and visual announcements
 - Which stops will be announced
 - Frequency of external announcement repetition, etc.

COMMUNITY INVOLVEMENT IN ASA PROCUREMENT

- Community will be given the opportunity to review and comment on ASA technology prior to selection
 - A copy of the RFP will be available for review, when it is advertised to the public
 - Any needed changes to the RFP can be made via addendum
 - ASA Advisory Panel (ASAAP) of 5-7 participants will be selected to review products
- Community will be invited to participate in design and configuration process
 - Timing and frequency of announcements
 - Landmarks
 - Volume
 - Etc.

ASA ADVISORY PANEL

- **ASAAP Process**

- Members of ASAAP will be selected by tonight's participants after the presentation
 - This group will decide how to pick members
 - Volunteers selected must be representative of the diverse interests of the disabled community
- Short-listed Contractors will provide a presentation and demonstrate their products to ASAAP
- ASAAP will provide feedback on specific features
 - RTD uses a structured evaluation process for procurements
 - Feedback will follow this structured process
 - RTD will work with ASAAP members to develop evaluation criteria
 - ASAAP evaluations will be provided to the proposal evaluation team for consideration in their assessment of the technical solution proposed by the Contractor

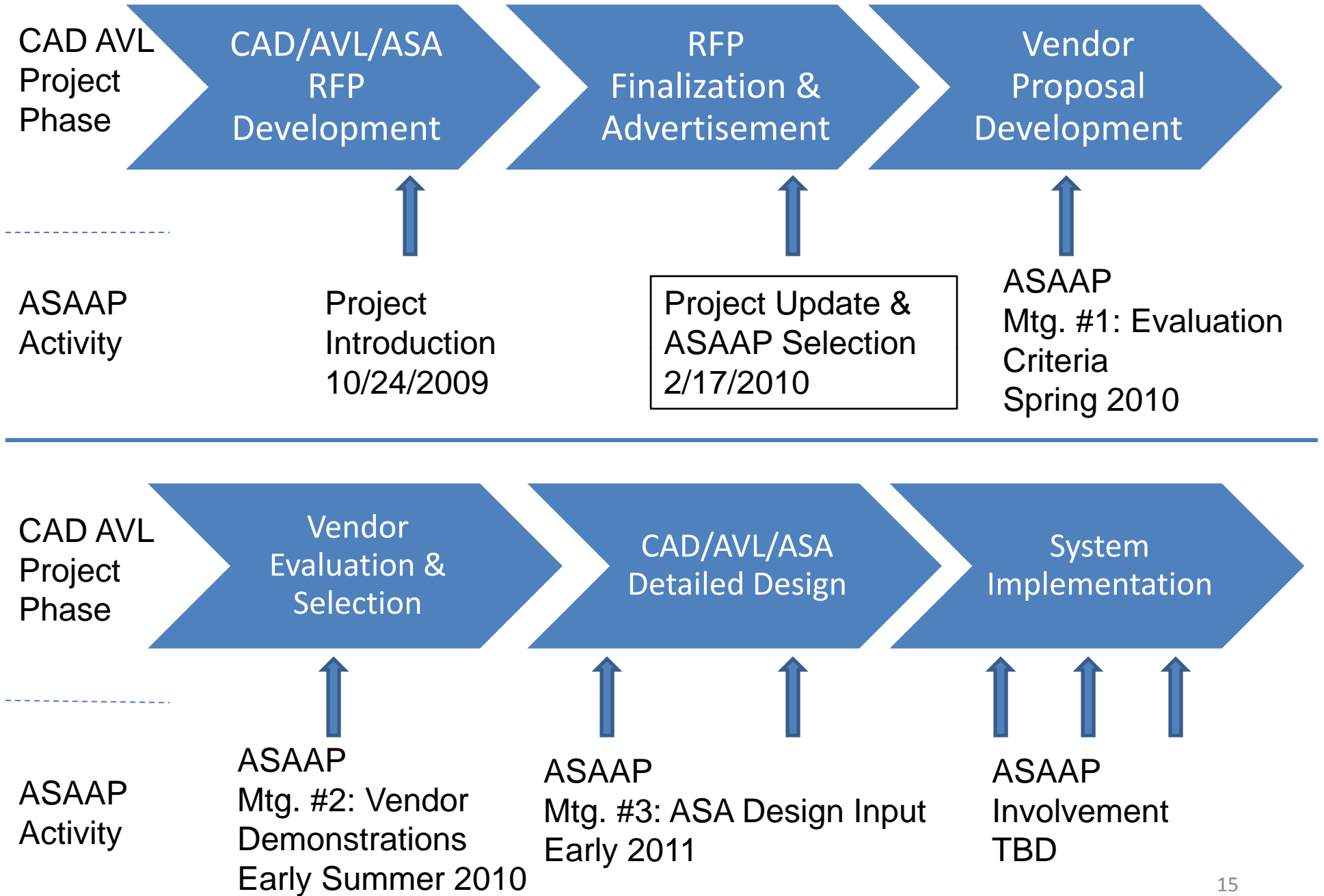
ASAAP CHARTER

- Advise on ASA evaluation criteria
- Attend vendor demonstrations
- Perform the proposed solution evaluations
- Participate in other technology review

ASAAP SELECTION

- Open discussion on selection of ASAAP Members
 - Volunteers selected must be representative of the diverse interests of the disabled community
 - 5 to 7 members anticipated (will consider alternates)
 - RTD and community need a firm commitment
 - Community expects volunteers to represent their interests
 - RTD wants your feedback
- Expected participation
 - Work with RTD to develop evaluation criteria
 - Attend product demonstrations and provide assessment

ASAAP ACTIVITIES



END PRESENTATION

QUESTIONS AND DISCUSSION

