Rural Intersection Collision Avoidance System (RICAS)

Advisory Group Meeting 3

presented to
RICAS Advisory Group

presented by
RICAS Research Team

December 1, 2009
Agenda

1. Introductions (5 min.)

2. Equipment Procurement and Construction Status (15 min.)

3. Updated Overall Project Schedule (10 min.)

4. Planned Outreach Activities (15 min.)

5. Evaluation Driver Recruitment Update (5 minutes)

6. Cannon Falls, MN RICAS Update (5 minutes)

7. Future RICAS Advisory Group Meetings (5 min.)
Project Issues

Since last meeting, a couple curve balls...

- University of Minnesota Insurance Issue
- Economy has changed. Impact of working with private partner.
Equipment Procurement and Construction Status

- **Detection Subsystem**
  - Comm and Power Cables Pulled
  - Major Street Detectors Installed
  - Minor Street Detectors Installed
  - Radio Frequency ID Readers Installed

- **Electronic Changeable Message Sign Subsystem**
  - Beam Guard Installed
  - Signs currently being manufactured by Wisconsin-based company
  - Challenges working with Private Sector Partner
  - Delivery anticipated 12/11 or sooner
Equipment Procurement and Construction Status

- **Data Archiving Subsystem**
  - Field Computers Installed

- **Monitoring Subsystem**
  - Broadband Connection Installed (by CenturyLink)
  - Camera Poles Installed
  - Cameras Installed
System Overview
Electronic Changeable Message Signs

Actual sign: 66” x 92”; 80 x 112 pixels (20 mm pitch)

View of the near-side sign. Unsafe to cross.

Mainline traffic on the right is between 7.5 and 12.5 secs away.
Construction Pictures

- Madhav, do we have any construction pictures we could share?
# Project Schedule

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Planned Outreach Activities (Work w/ Chris to Refine)

- Targeted informational meetings with local groups (especially Senior Community):
  - Minong Summer Days, August 14-16, 2009
  - Senior Center
  - VFW Post
  - Public Meeting at Northwood Schools

- Staged Targeted Local Paper Press Releases:
  - Spooner Advocate
  - Washburn County Register (Shell Lake)
  - Sawyer County Record (Hayward)
  - Rice Lake Chronotype
  - Eau Claire and Superior

- Longer form newspapers stories as we get closer to start-up

- Partner with Northwood Schools to disseminate information

- Outreach material under development
  - Tri-fold brochure
  - Website
  - Presentations
  - Press Releases
Evaluation Driver Recruitment Update

- UW Approved to recruit human subjects (i.e., training for research team)

- Ready to advertise at nearby businesses

- $100 cash payment for placing credit card sized RFID tag in vehicle

- RFID tags work with readers at the intersection to collect information on how vehicles choose gaps at the intersection

<Madhav, can you add picture of tags?>
Cannon Falls Site Update

- Startup originally scheduled for July 2009
- Due to Detector Upgrade and FHWA contract issues, new start-date is early January
Future RICAS Advisory Group Meeting Dates

Meeting 4: To be Determined - Pre-Start-up Meeting

Meeting 5: March - Post Operations Status Update
QUESTIONS