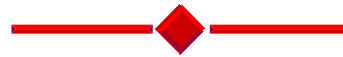




Safety and Security Meeting



May 13, 2014





GCRTA Safety Highlights

- APTA Bus Award – 2009, 2010, 2011
- APTA Light Rail Award – 2012
- Many Industry Best Practices
- Proactive Incident Reduction
- Use of Technology





Driver/Event Monitoring System

- Vendor – DriveCam aka Lytx
- Measures and records driving/operating performance related to incidents
 - Hard braking
 - Sharp turns
 - Speeding
- Cameras inside and outside vehicle to capture events





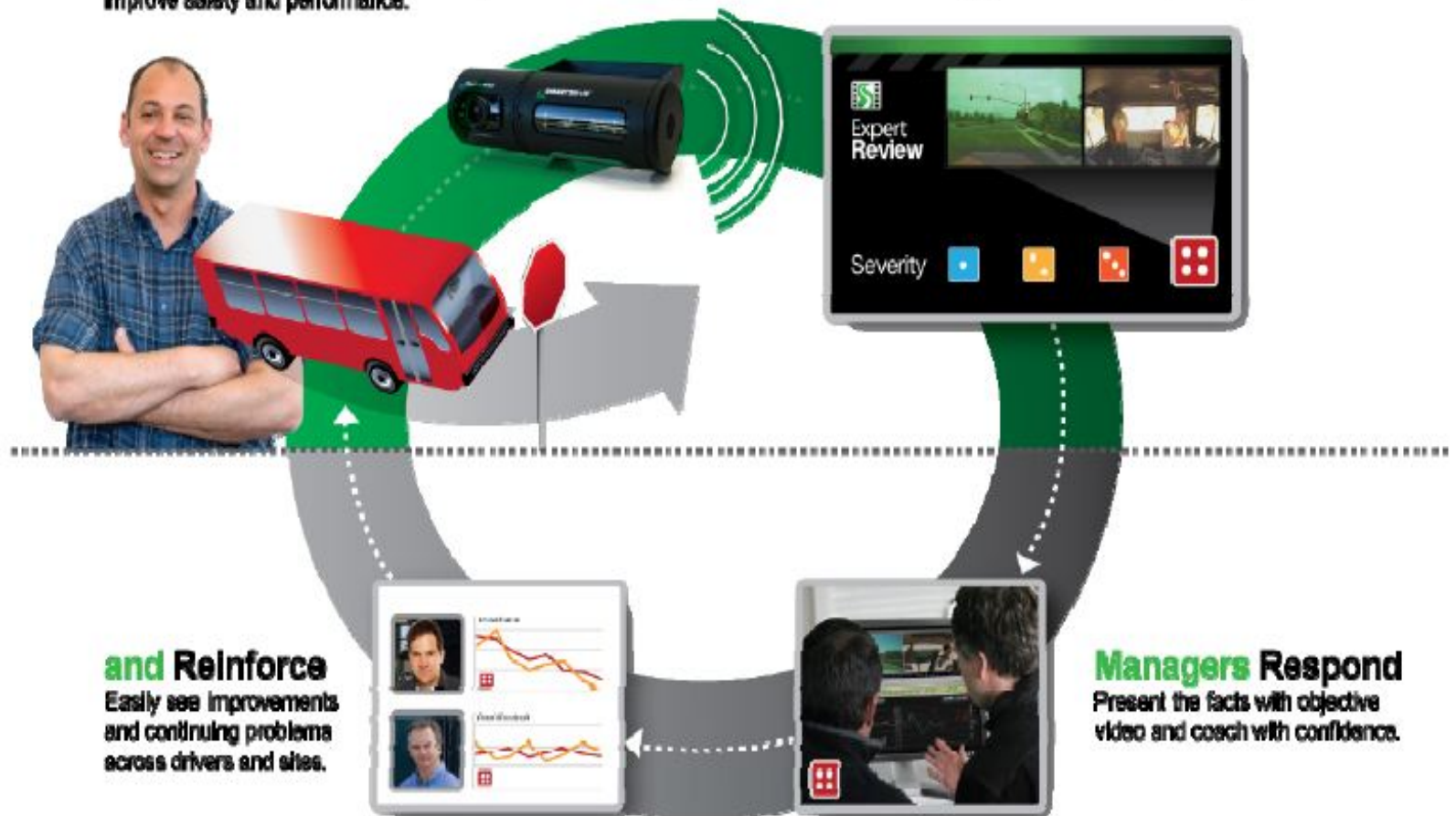
Drive Cam aka Lytx

Drivers Self Improve

Instant in-cab driving feedback and weekly scorecards empower drivers to continually improve safety and performance.

We Record and Review

SmartRecorders capture video, audio, speed, engine data and location when triggered. SmartDrive scores every uploaded event for quick response.



Train Mounted ProTracker





Train Mounted ProTracker





APTA Heavy Rail Award Application

- Submitted March 28, 2014
- Implementing National Fire Protection Association (NFPA) 130 Emergency Ventilation Systems In Conjunction with a Tunnel Rehabilitation Project
- Awaiting Results – APTA is re-evaluating due to a tie situation





APTA Heavy Rail Award Application

Before:



Accumulated silt fouling the ballast.



Flooding at the Airport Station due to inadequate drainage system.





APTA Heavy Rail Award Application



Project Results: June 2013 – Westbound on approach to platform, New Low Vibration Track system throughout the Airport Tunnel, reinstalled crossover, and a fully functioning drainage system keeping it dry.





APTA Heavy Rail Award Application



Project Results: June 2013 – Westbound on approach to platform, New Low Vibration Track system throughout the Airport Tunnel, reinstalled crossover, and a fully functioning drainage system keeping it dry.





Grant Projects/Opportunities

- Transportation Research Board (TRB) Highway Rail Crossing Safety System
- Develop and test an intelligent Light Rail Transit / Street Grade Safety System that can be used by Light Rail Transit Systems.





Grant Projects/Opportunities

- Focuses on active, adaptive, alert, and improves recording of crossing incidents for the approaching Light Rail Vehicle (LRV) its operator and the pedestrian, motorist, and/or worker at the crossing.





Light Rail Transit / Street Grade Crossing Safety System

Final Report
Safety IDEA Project 68

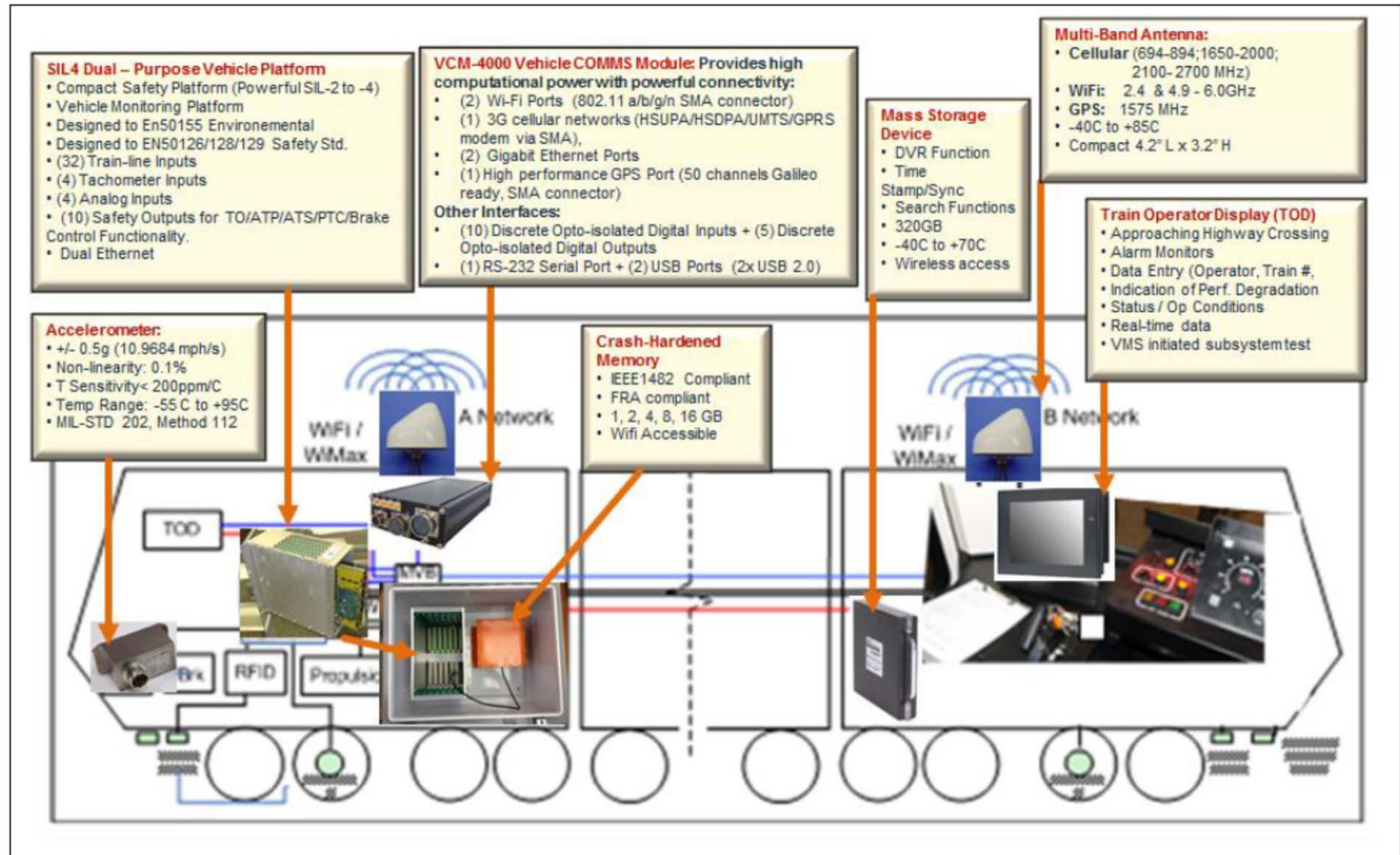
Prepared for
Transit IDEA Program
Transportation Research Board
National Research Council

Prepared by
Carl E. Conti
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January 2014

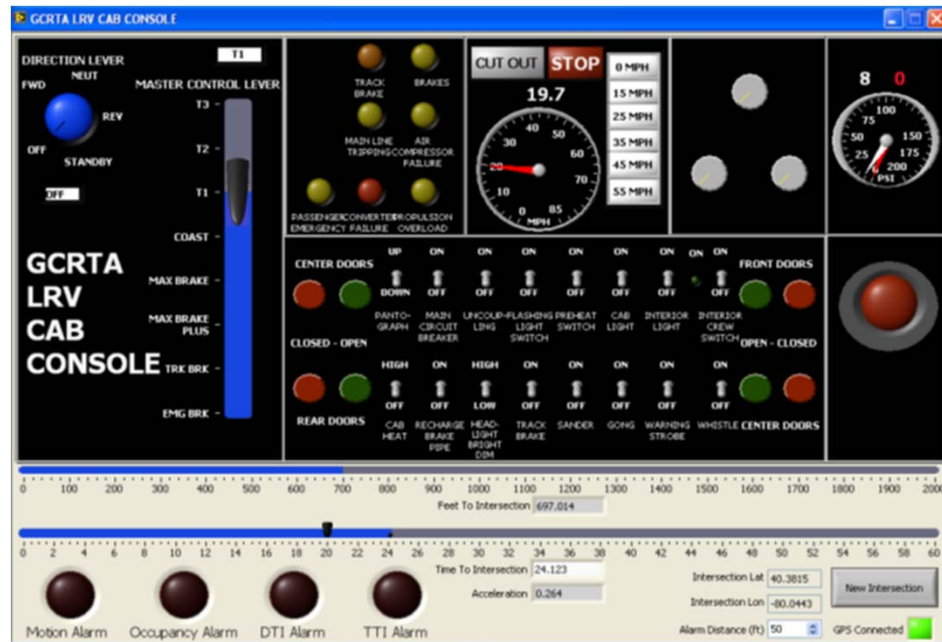


Grant Projects/Opportunities





Grant Projects/Opportunities



Test Console



Highway Crossing Installation





Grant Projects/Opportunities



Photo from inside test train



Photos of approaching test train





Grant Projects/Opportunities

- Urban Bus Operational Safety Platform
 - Designed to minimize pedestrian and transit bus crashes
 - Leverages vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) connectivity to integrate multiple safety applications
 - Decision for award expected soon.





Grant Projects/Opportunities

- Operation LifeSaver Grant Opportunity – Submission opens June 1
- Public Outreach for Light Rail
 - Media and Marketing events to educate residents about grade crossing safety





Questions

