

SPC Transportation Operations & Safety Committee Vehicle Detection Showcase

Tuesday, February 26, 2013, 10:00AM
SPC Conference Center, Chatham II, Pittsburgh

ATTENDEES

Hank Alward, PennDOT District 11-0
Greg Barlow, CMU
Frank Cippel, PennDOT District 11-0
Robb Dean, PennDOT District 12-0
Rich Feder
Max Heckman, Michael Baker
Keith Johnson, URS
Robert Knieriem, PennDOT District 10-0
Todd Kravits, PennDOT District 11-0
Steven Levine, Kimley-Horn
Melissa McFeaters, PennDOT District 10-0
Mark Metil, Gannett Fleming
Phil Mutunga, PennDOT District 11-0
Mike Semchee, Path Master
Doug Smith, SPC
Loren Stayer, Iron Armour
Todd Wilson, Trans Associates

Alan Aufrance, Iron Armour
Anthony Castellone, Pennoni
Domenic D'Andrea, SPC
Bob Dudash, ACTA
Dan Fedio, PennDOT District 11-0
Lynn Hylton, Traffic Control Products
James Keener, University of Pittsburgh
Nancy Kolenc, PennDOT District 12-0
Jeffrey Leithauser, Washington County
Mark Magalotti, University of Pittsburgh
Duane McKee, Cranberry Township
Ed Miller, PennDOT District 11-0
Chris Prisk, LR Kimball
Mike Shanshala, PennDOT Dist. 10-0
Stephen Smith, Carnegie Mellon
David Walls, PennDOT District 10-0

MEETING SUMMARY

- Doug Smith welcomed meeting attendees and initiated a round of introductions. Following introductions, Domenic D'Andrea highlighted SPC's new Journal of Transportation & Safety (SPC JOTS), which is a biannual e-newsletter about transportation operations and safety activities occurring in the 10-county SPC region. Anyone who would like to be on the mailing list for this newsletter and did not receive the first issue can e-mail jots@spcregion.org to be added to the distribution list. Also, anyone with ideas for future articles can contact Domenic.
- Domenic also provided an update on the second cycle of the Regional Traffic Signal Program. All agreements for the second cycle have been executed and work is underway. District 10 & 12 projects are anticipated to be let in the fall of 2013 and the District 11 project will be let toward the end of 2013 or the beginning of 2014. A call for projects for the third cycle of the program will be going out in the next few months.
- Domenic noted that there are two issues that consistently emerge when trying to ensure that traffic signals operate efficiently: signal communications and detection. Today's meeting focuses on the latest technologies and trends related to traffic signal detection.
- Tim Werner from Path Master, Inc. gave a presentation on advancements in radar detection and provided information about equipment produced by a company called *smartmicro*. An extensive question and answer session followed.
- Loren Stayer of Iron Armour provided some history on the development of traffic signal technology and traffic signal detection. He discussed the benefits and drawbacks of

various types of detection technology and provided an overview of the products that Wavetronix produces.

- Lynn Hylton of Traffic Control Products showed examples of FLIR thermal vision cameras and illustrated how thermal cameras can be used to overcome some of the drawbacks of standard traffic detection cameras.
- Following lunch, Todd Wilson gave a presentation highlighting the recent pedestrian and bicycle Road Safety Audit (RSA) that Trans Associates performed for Mount Lebanon as part of their comprehensive planning process. This study identified 10 critical intersections for analysis and used an innovative Google Fusion Table to summarize 5 years worth of crash data at these locations. The RSA identified both spot-specific improvements as well as system-wide improvements that could be implemented to improve safety for cyclists, pedestrians, and other transportation system users.
- Doug provided reminders for upcoming meetings including the FHWA Localized Bottleneck Reduction Program workshop that will be held in conjunction with the next Ops & Safety meeting on June 18th.
- Sara Walfoort also highlighted the upcoming Regional Freight Forum that will be held on April 12th.