



## TRAFFIC MANAGEMENT CENTER *NEWSLETTER*

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*July/August/September – 2016*

### **I. *Advanced Traffic Management System Training, August 23-25, Traffic Management Center 3556 Dam Neck Road, Virginia Beach, Virginia***

The TMC recently updated to the latest revision of its traffic management software; ATMS.now central system software. The software upgrade provides a more efficient method of control of traffic operations and ITS infrastructure.

An additional software upgrade to our laptops allows technicians to remotely/wirelessly access the traffic signal control network to upload/download programming data. In the past technicians were each issued Palm Pilots loaded with the most current operating parameters; however the demise of that platform required a shift to this alternate method of system maintenance.



Training was attended by 10 staff members, including traffic signal electronic techs and engineers. The training was conducted in lecture format as well as a hands-on implementation in the Traffic Management Center operator area on the live system.

Recent program changes provide for real time and historical analysis of traffic operational performance and the generation of measures of effectiveness (MOEs). Staff has begun installation of Advanced Transportation Controllers (ATC) with the "High resolution" data handling capabilities on the London Bridge Rd/Virginia Beach Boulevard/Lynnhaven Parkway/ I-264 ramp corridor. Collecting and evaluating this data will provide a real-time snapshot of the effectiveness of the traffic signal timings in place along these corridors. This will give us an idea of the green band utilization on our equipped corridors so that we can improve traffic signal timings and provide better progression through instrumented corridors.

**II. University of Wisconsin-Madison, Managing Snow and Ice Control Operations, September 20-21, 2016, Newark, DE**

Staff members Mike Shasiah, William Morgan, and Franklin Hickman attended a 2 day work shop on Managing Snow and Ice Control operations at the University of Delaware campus in Newark, Delaware.

The conference centered on using winter weather technology to more effectively handle snow and ice removal operations. The topics discussed included: snow and ice removal chemicals; winter maintenance legal liability; calibration of winter maintenance equipment; blending salt brine and other chemicals for prewetting & anti-icing; mechanical removal of snow.



The work shop was attended by well over 100 people representing DOTs, municipalities, and building complex facility managers from across the nation.



We learned a great deal from the presentations as well as from conversations with others who do heavy snow and ice removal routinely; notably participants from Colorado, Ohio, Michigan and Iowa. Most agencies used anti-icing agents (brine liquids applied to the pavement before the storm). Deicing (removing ice after the storm) best management practices were also discussed.

Staff plans to begin a program to utilize some of the pre-and post event liquid application practices. All program participants agreed that the use of a high quality weather service was a great aid to staff in establishing when to begin chemical application. We will do that as well.



### **III. Traffic Management Operations Division Response Information**

Some of the vital statistics we addressed July thru August 2016

1. Number of Traffic Counts Completed – 76
2. Number of turning movement counts completed - 4
3. Number of Hits on the Traffic Data Database  
<http://vbgov.ms2soft.com>
  - 5,027 hits from July thru September 2016
  - 31,555 hits since program inception (July 2009)
4. Number of Utility Locate Tickets (Miss Utility) Received/Checked/Marked – 5,086/544/457
5. Number of Traffic Signal Preventive Maintenance Actions completed –150
6. Number of Traffic Signal Work Orders Received – 590
7. Number of Traffic Sign Work Orders Completed – 335
8. Linear feet of Thermoplastic Applied to Roadway – 10,794
9. Provided event support for the following Special Events
  - a. Latin Festival
  - b. Allen Stone Braveheart Memorial Races
  - c. East Coast Surfing Championship
  - d. Rock & Roll Half Marathon
  - e. Rock & Roll Festival
  - f. African American Cultural Center
  - g. Naval Air Station Oceana Air Show
  - h. Out of the Darkness walk
  - i. Vibe District Crosswalk painting