

August-2011

I. Hurricane Irene Event, August 27-28, 2011

Hurricane Irene was the highlight activity of the month. It provided opportunity to observe the reliability of the traffic signal system in an extreme weather event and test Traffic Management Center operating procedures.

This event marked the first time that the TMC served as the Public Works Operations EOC for a storm event.



Minimal system damages were noted. The primary issue was loss of power at 55 intersections.



Four staff members rode out the storm event in the TMC on Saturday, August 27th.



August 28th

TMC Conference Room is manned by staff from Highways, Operations Management, Parks & Recreation, and Traffic Management Operations

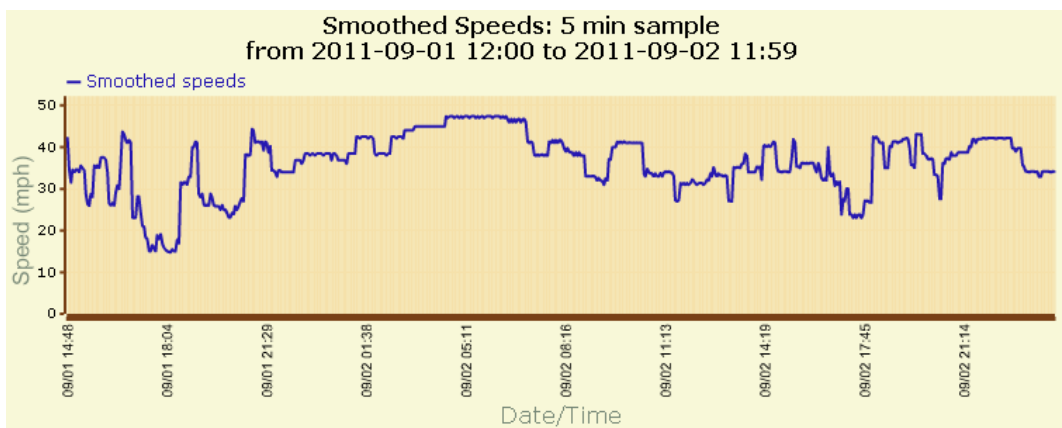
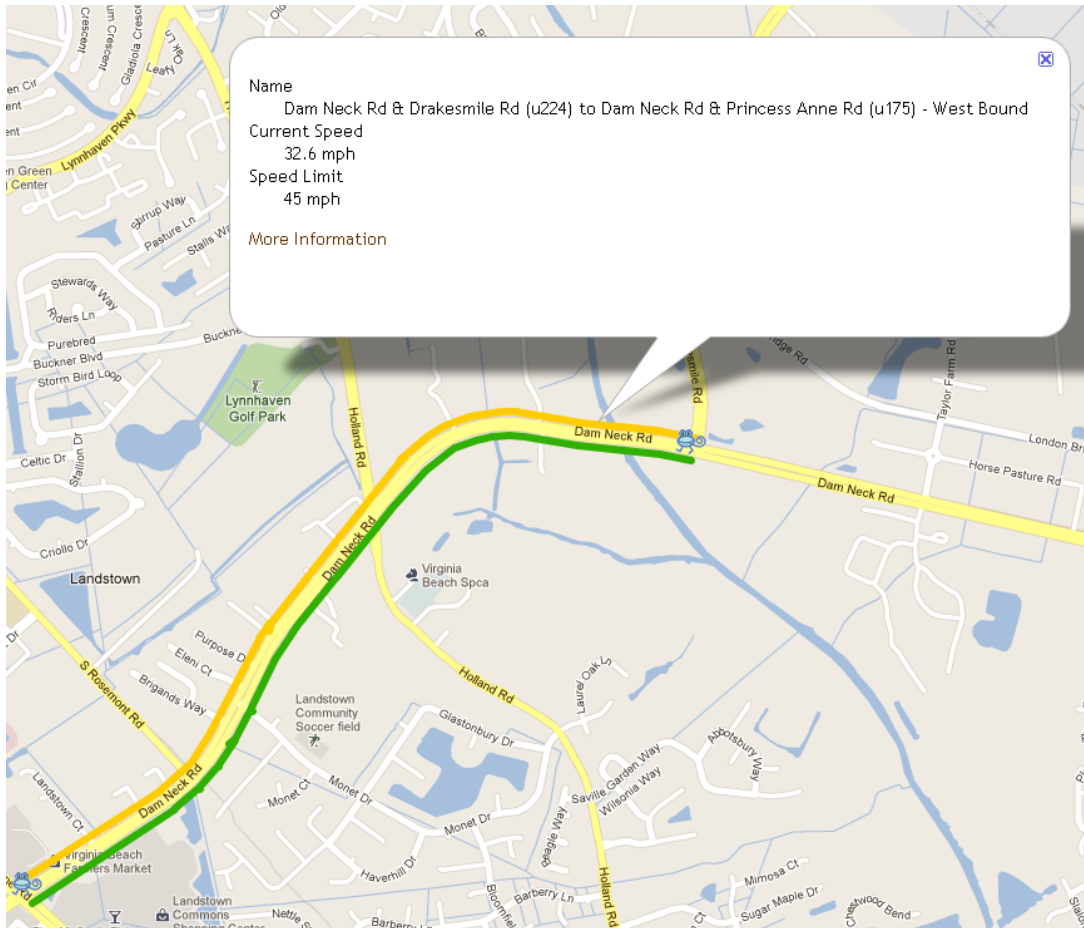


Capturing reports involving road closures, road blockages, inoperable traffic signals, and high water locations. Staff also tracked and entered information into Web EOC.

II. BlueTOAD Pilot Project

Staff initiated a test of the BlueTOAD (Bluetooth Travel-time Origination And Destination) system. This technology detects anonymous MAC addresses which are wireless identifications used to connect Bluetooth technologies on mobile devices such as cell phones and headsets. The system then calculates travel times through analysis of subsequent detections along the corridor.

The data collected provides real-time travel times and road speeds which is valuable data to the TMC in evaluating road speed trends.



III. Traffic Management Operations Division Response Information

Some of the vital statistics we address each month

- 1. Number of Traffic Counts Scheduled/Completed – 37/37**
 - ***In addition, we collected turning movement counts at 10 intersections***
- 2. Number of Hits on the Traffic Data Database (at www.VBgov.com/TCDS)**
 - 259 hits for the month of August 2011
 - 4,293 hits since program inception (July 2009)
- 3. Number of Utility Locate Tickets (Miss Utility) Received/Checked/Marked – 2684/243/197**
- 4. Number of Traffic Signal Preventive Maintenance Actions completed –48**
- 5. Number of Traffic Signal Work Orders Received – 126**
- 6. Hurricane Irene Related Signal Work Orders - 138**
- 7. Number of Traffic Sign Work Orders Completed – 605**
- 8. Linear feet of Thermoplastic Applied to Roadway – 11,969**