

February – 2012

## **I. City of Virginia Beach Dynamic Message Sign and System Detector Project Pre-Construction Meeting, February 9, 2012**

A Pre-Construction Meeting was held for the stakeholders of the above mentioned construction project. Construction on this project will commence during the spring of this year. The construction team members of this project included;

1. Midasco, specialty infrastructure contractor, the primary Contractor
2. MBP, a construction and program management firm, the lead inspection team
3. URS, lead engineering design firm
4. Public Works/ Traffic Engineering, inspection and traffic control
5. Public Works/ Construction Engineering, inspection
6. Traffic Management Center

The Virginia Beach Dynamic Message Signs and System Detector Project, CIP 2-039 (Capital Improvement Program), completed its bid opening on October 27, 2011. The Engineers Estimate for the Project was \$2.616 million. The bidding was won by Midasco, for \$1,616,616.

The Virginia Beach Dynamic Message Signs and System Detector Project will consist of the installation of 11 motorists advisory Dynamic Message Signs (DMS), overhead sign support structures, equipment cabinets, and communication equipment. The DMS's will have three line displays. Each line will consist of 12 inch height, LED (Light Emitting Diode) characters. The DMS's will be installed at eight locations within the City. The DMS's will be installed at the following locations:

1. Princess Anne Rd and Elson Green Ave, southbound
2. General Booth Blvd at the KOA Campground, northbound
3. Shore Dr and First Landing State Park, westbound
4. Shore Dr and Bayville Rd, back to back DMS's
5. Northampton Blvd and Bayside Rd, eastbound
6. Northampton Blvd and Shell Rd, westbound
7. Independence Blvd and Wakefield Dr, back to back DMS's
8. Shore Dr near 83<sup>rd</sup> St, back to back DMS's

The project will also include the installation of two types of vehicle detectors. The vehicle detectors will consist of wireless transmitters, and micro loop sensors. The detectors will be installed at 46 locations within the City. Vehicle detector communication equipment will be installed in the existing traffic signal cabinets. There will also be the installation of one CCTV camera on this project. All of the project equipment will be configured to communicate with the City of Virginia Beach Traffic Management Center.

The DMS's will convey traffic condition information to the roadway motorists. The vehicle detectors will be capable of instantaneously detecting changes in traffic flow patterns. With the construction of this project, the Traffic Management Center will add to its capability of facilitating the application of technology and engineering, to managing traffic, and disseminating traffic related information to the motoring public.

## II. London Bridge Rd and I-264 Ramp Opening, February 8, 2012

On Wednesday morning, at 5:00 AM, a new entrance/exit ramp opened on Interstate Highway I-264, at London Bridge Rd. The long awaited ramp opening will ease congestion on I-264, between the Lynnhaven Parkway, and First Colonial Rd/Oceana Blvd exits.

The Traffic Management Center (TMC) was involved with monitoring and controlling the traffic at the intersection of the entrance/exit ramp. A traffic surveillance CCTV camera is located at the southeast corner of the intersection. The traffic signal at this intersection was controlled from the TMC, with its connection to the fiber optic cable network.

A screen shot of the London Bridge Road and I-264 entrance /exit ramp roadway. (Facing west)



### III. Laskin Road and Arctic Ave Temporary Traffic Signal Installation, February 10, 2012

A new span wire traffic signal has been mounted at the intersection of Laskin Road and Arctic Avenue. Several automobile accidents occurred at this intersection in the past few months. There is a major construction project on the northeast corner of the intersection.

The construction at this intersection is an example of the strong interaction capability within the Public Works Department (Highways Division, Traffic Engineering, and Traffic Management Operations) to quickly react to the need to improve the safety of the traveling public. The traffic control conditions, and accidents, at this intersection were brought to the attention of the Public Works Departments, through accident reports, local resident comments, and the local media.

This temporary traffic signal has been mounted on timber poles. A traffic signal cabinet was mounted on the timber pole, located on the southeast corner of the intersection. The electricity to power to the temporary traffic signal is routed through the existing lighting cabinet, also located on the southeast corner of the intersection. The temporary span wire traffic signal installation was completed in one day. The construction crew started working at about 8:00 AM on a Friday morning, and the work was completed around 8:00 PM that evening. During the installation of the span wire traffic signal, the construction crew was visited by the local media. A report on the signal installation appeared on the TV news that evening.

The proposed Phase IV of the Laskin - Gateway project is scheduled to be completed in July of 2013. At the completion of this project, the temporary traffic signal will be removed.



Laskin Rd and Arctic Ave temporary traffic signal installation. (Facing west)



Laskin Rd and Arctic Ave temporary traffic signal installation.  
(Facing north)



Laskin Rd and Arctic Ave temporary traffic signal installation.  
(Facing northwest)

**IV. Traffic Management Operations Division Response Information**

*Some of the vital statistics we address each month*

- 1. Number of Traffic Counts Scheduled/Completed – 10/10**
  - *In addition, we collected turning movement counts at 10 intersections*
- 2. Number of Hits on the Traffic Data Database (at [www.VBgov.com/TCDS](http://www.VBgov.com/TCDS))**
  - *219 hits for the month of February 2012*
  - *5,687 hits since program inception (July 2009)*
- 3. Number of Utility Locate Tickets (Miss Utility) Received/Checked/Marked – 2531/406/316**
- 4. Number of Traffic Signal Preventive Maintenance Actions completed –50**
- 5. Number of Traffic Signal Work Orders Received – 107**
- 6. Number of Traffic Sign Work Orders Completed – 334**
- 7. Linear feet of Thermoplastic Applied to Roadway – 288**