

k v
TMC

TRAFFIC MANAGEMENT CENTER NEWSLETTER

April/May/June – 2016

I. 2016 Road Weather Management Stakeholder Meeting, June 28-30, Sheraton Atlanta Hotel, Atlanta, Georgia

The theme for this year's meeting was "Research to Operations: Mainstreaming Road Weather Management". This meeting attracted over 100 participants this year, from state DOTs, Toyota North America, weather service providers, consultants, and road way weather equipment providers.



The program offers an unparalleled opportunity to share your knowledge and perspectives with others and to learn about the latest developments in stake holder coordination, applied research & technology transfer, performance measurement, and training & education. The three day program included sessions on road weather tools & data environments, and weather service & technology providers. Considerable time was devoted to the discussion of the hot topic of road weather and connected vehicle applications.



Special thanks to Paul Pisano (FHWA, Team Lead, Road Weather and Work Zone Management) for sponsoring our participation this year.

N0914
YC39



The meeting site was in the heart of downtown Atlanta and provided the opportunity to use the MARTA (Metropolitan Atlanta Rapid Transit Authority) subway system to see the city. Some notable places are the Olympic sites, the legendary Varsity restaurant, and the phenomenal home of the Yellow Jackets at Georgia Tech.

II. US DOTs “Advanced Transportation and Congestion Management Technologies Deployment Initiative” (ATCMTDI) Grant Application Submission, April-June 2016

Staff dedicated 8 weeks towards developing the City of Virginia Beach grant proposal for another “Smart Cities” type grant sponsored by USDOT/Federal Highways. Numerous city departments helped in developing the grant application response, including: Traffic Engineering, Management Services, Strategic Growth Office, ComIT, and Traffic Operations. The Ferguson Group did a tremendous job assembling the document and assisted in finding project sponsors from the transportation arena.

The group labeled our proposed project as “VBGo” and focused on two areas; integrated corridor management and enhanced personal mobility. The plan calls for using traffic adaptive technology on major arterials affected by I-264 that would allow traffic signals to retune themselves in real-time should an incident divert traffic to city streets. This technology would be deployed at 66 intersections in the city.

On the enhanced personal mobility side, the plan would create smart pedestrian crossings: technology at the

intersections detecting the presence of pedestrians and cyclists and automatically putting in a call to the traffic signal controllers. The idea is to make it safe for pedestrians and cyclists to cross the streets in our major employment centers and resort locations. This would be deployed at 38 signalized intersections near bus stops, proposed light rail stations and employment center areas. We partnered with Hampton Roads Transit (HRT) in developing this concept.



VBGo: Improving Traffic Congestion and Mobility

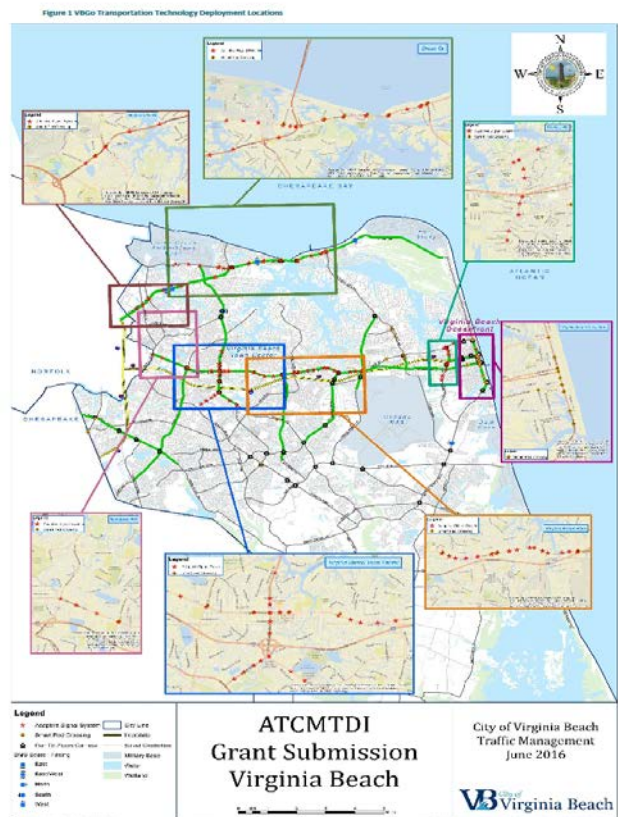
Advanced Transportation and Congestion Management Technologies Deployment Initiative

A VBGo Mobility Application would also be developed. This would allow travelers using smartphones and personal computers with web browsers to access information on various travel modes, including the following staged system build activities:

Previously Incurred Project Cost	\$0
Federal Title Project Cost	\$0
Total Project Cost	\$4,143,906.6
ATCMTDI Request	\$2,071,953.3
Total Federal Funding (including ATCMTDI)	\$2,071,953.3
Are matching funds restricted to specific components?	Yes
Personnel time is designated to specific components of the project.	Yes
State in which the project is located	Virginia
Is the project currently being reviewed in the:	
• Transportation Improvement Program	No
• Statewide Transportation Improvement Program	No
• MPO Long Range Transportation Plan	Yes
• State Long Range Transportation Plan	Yes
• Metropolitan Planning Organization (MPO) Long Range Transportation Plan	Yes



- Stage 1: View current traffic conditions and travel times along key routes in Virginia Beach.
- Stage 2: Provide information about public and private transportation services for improved connectivity and access to major bus lines, proposed light rail stations or trip destinations, and parking availability.
- Stage 3: Identify the current shortest and fastest route options for driving and transit services.
- Stage 4: Allow registered smartphone user to request pedestrian calls at a signalized intersection.
- Stage 5: Provide real-time parking availability information at key parking facilities.



The proposed project estimate came in at \$4,100,000 and required a 50% non-federal funded match. The application results will be announced in September 2016.

III. Traffic Management Operations Division Response Information

Some of the vital statistics we addressed March thru June 2016

1. Number of Traffic Counts Scheduled/Completed – 82/82
2. Number of Hits on the Traffic Data Database
<http://vbgov.ms2soft.com>.
 - 3,919 hits from March thru June 2016
 - 26,528 hits since program inception (July 2009)
3. Number of Utility Locate Tickets (Miss Utility) Received/Checked/Marked – 5171/600/503
4. Number of Traffic Signal Preventive Maintenance Actions completed –232
5. Number of Traffic Signal Work Orders Received – 628
6. Number of Traffic Sign Work Orders Completed – 525
7. Linear feet of Thermoplastic Applied to Roadway – 23,503

8. Provided event support for the following Special Events

- a. Town Center Beer Craft Festival
- b. Vibe District Block party
- c. Monster Trucks on the Beach
- d. Beach Street USA
- e. Patriotic Festival
- f. 2016 High School Graduation Week at the Convention Center
- g. Boardwalk Art Show
- h. Memorial day Preparations
- i. North Landing Road Bridge Detour
- j. Strawberry Festival
- k. Steel Pier Classic