

## TECHNICAL COMMITTEE

December 1, 2015

9:30 to 10:52 A.M.

### MINUTES

The meeting was called to order at 9:30 A.M. by Chair, Mr. Scott Graf.

#### 1. APPROVAL OF NOVEMBER 3, 2015 MINUTES

Mr. Graf asked for approval of the minutes from the November meeting of the Technical Committee. Mr. Tyson Byrne moved to approve the minutes with Mr. Alex Rawls seconding the motion. The minutes were unanimously approved.

#### 2. RECOMMENDED ACTION OF RESOLUTION #16-10

Mr. Todd Lang introduced Resolution #16-10 stating that as of the 2010 Census, the portion of Queen Anne's County encompassing Kent Island over to the unincorporated limits of Grasonville are in the Baltimore urbanized area. This means that any improvements seeking federal funding in that area now need to go through the MPO process. MDOT and BMC have been in discussions with the Queen Anne's County Commissioners and in October they agreed to come onto the Board as a non-voting member for 2 years. As such the BRTB is looking to update their Bylaws to reflect the addition of the President or a member of the Board of County Commissioners as represented on the BRTB. A 30-day comment period will end on December 8 with no comments currently submitted.

Mr. Brian Muldoon asked what MPO are they part of now. Mr. Lang indicated they do not belong to any MPO. Mr. Cohen asked about including Queenstown to the urbanized area. Mr. Lang indicated that is too far from the current urbanized area. Mr. Graf asked for a motion. Mr. Alex Rawls made a motion to move Resolution #16-10 to the BRTB as presented and Mr. Brian Ulrich seconded the motion with unanimous support from the members.

#### 3. BALTIMORELINK TRANSIT PLAN

Presentation deferred until January.

#### 4. PROGRESS REPORT ON UPWP PROJECTS

- **Maximize 2040 – BRTB Action**

Mr. Terry Freeland briefed the committee members on action taken by the BRTB at its November 24 meeting. At that meeting, Mr. Freeland presented Resolution #16-9, which calls for the adoption of *Maximize2040*, the regional long-range transportation plan, and the accompanying air quality conformity document. Mr. Freeland also showed a timeline of BRTB and BMC staff activities in the development of *Maximize2040*. These activities included extensive engagement with the BRTB advisory groups and the public. Following BRTB approval, the next steps will be review and approval by the Federal Highway Administration and the Federal Transit Administration as well as acceptance of the air quality conformity determination by the U.S. Environmental Protection Agency.

The BRTB voted unanimously to approve Resolution #16-9. During that discussion, Mr. Ed Cohen encouraged the BRTB members to consider recommendations from a recently developed rail plan called – A Proposal to Unravel Baltimore’s Tangled Rail Lines. Also, Mr. Greg Shafer asked that the BRTB consider adding PAC Resolution #2015-15 relating to *Maximize2040*. This PAC resolution includes some specific recommendations, including updating the plan within a year after the completion of the Baltimore Regional Transit Needs Assessment. The BRTB voted to include this PAC resolution as an appendix to the BRTB resolution. Finally, Ms. Margaret Kaii-Ziegler introduced a letter from Anne Arundel County Executive Steve Schuh recommending the State Highway Administration study alternatives for a potential additional Chesapeake Bay Bridge. The BRTB accepted this letter.

- **Regional Traffic Signal Forum – Summary**

Mr. Bala Akundi briefed committee members on the Traffic Signal Subcommittee and its activities and the traffic signal forum that was held on October 20<sup>th</sup> at the Maritime Institute.

The traffic signal subcommittee was formed in 2002 to bring together traffic signal operators, designers, and technicians from the local jurisdictions, SHA, FHWA, and the private sector to discuss regional issues, share best practices, review new technologies and products and support the goals of the BRTB. The subcommittee meets quarterly and over the years worked to secure federal funding for adaptive signal control projects in Anne Arundel County and Baltimore City and hold annual signal forums.

The first regional signal forum was held in 2004 at the Howard Community College and there have been seven more since then all of which were held at the Maritime Institute in Linthicum. The forums offer a unique opportunity for signal technicians, operators, designers, engineers and ITS professionals in the Maryland, Washington DC, Northern Virginia, and Delaware regions to hear from the experts and peers in this field. It also provides an opportunity for vendors to showcase their products and latest technologies.

For the past three forums, the signal forum was held in conjunction with the ITSMD Annual Meeting thereby allowing a more robust and diverse program and attracting a broad range of stakeholders from all across MD, DC and VA. ITS Maryland is a State Chapter of ITS America, an organization of public agencies, private companies and academic institutions. Together with the U.S. Department of Transportation, it supports and promotes the coordinated development and deployment of technologies that will make the transportation systems safer, more effective, and more efficient while providing improved service to system customers and users.

The most recent forum held on October 20<sup>th</sup> was by far the biggest with over 245 registered attendees and featured sessions focused on subjects ranging from Smart Apps to Arterial Signal Operations to Signal Infrastructure Design Challenges to MAP-21 Performance Measures and Transportation System Management and Operations (TSM&O).

The presentation included descriptions of the session and a listing of exhibitors and vendors as well as sponsors. Presentations can be found online at [itsmd.org](http://itsmd.org).

***[PowerPoint: 2015 Regional Traffic Signal Forum / ITSMD Annual Meeting]***

- **Congestion Analysis Report/Top 10 Bottlenecks – Quarterly Report**

Mr. Ed Stylc discussed the new additions to the Quarterly Congestion Analysis Report. Major graphic upgrades are now included and volume data is now available for the top 10 congested areas of the region. Members of the committee asked about Map-21 performance measures being included in the future. Mr. Stylc replied that the University of Maryland CATT Lab, as partners, will be incorporating whatever is necessary for the requirements.

***[PowerPoint and Handout: Enhancements to the Congestion Analysis Report – VPP Suite]***

- **Freight and Commercial Vehicle Model (SHRP2-c20) – Model Design Plan**

Mr. Brian Ryder presented an update on the C20 Freight Project which will create a freight supply-chain model and a goods and services delivery model for BMC and SHA. The project began in late October 2014 and will conclude on March 2016. The project's consultant, RSG, has completed the model design and acquired data for the model. Upcoming tasks include an analysis of the data, model validation/calibration and delivery of the model to BMC. Further updates on the C20 Freight Project will be presented to the committee as data results and model output becomes available.

***[PowerPoint: SHRP2 C20 Behavior Based Freight Model]***

- **InSITE – Initial Model Validation**

Mr. Charles Baber updated the TC members on the InSITE initial model validation. The timeline of the project was reviewed identifying the previous progress made and the validation schedule that is underway. The model design plan diagram was shared, highlighting the 20-plus mode components estimated to simulate long term choices, tour generation, tour level choices, and stop/tour level choices. Mr. Baber informed members of the availability of model component documentation in the form of a written summary and estimation spreadsheet showing model variables and coefficients. The presentation was concluded with a discussion of next steps. The second and final TMIP sponsored peer review is scheduled for Friday, February 5<sup>th</sup> focusing on preliminary model validation. The contract will conclude at the end of fiscal year 2016 with the scheduling of training, which will be open to all member organizations.

***[PowerPoint: InSITE – Initial Model Validation]***

## **5. OTHER BUSINESS**

Mr. Baber shared with committee members information on a smart phone travel survey application designed to replace the traditional paper diary. The firm Resource Systems Group (RSG) has developed and tested a smart phone survey application and is providing interested TC members an opportunity to evaluate the application. Mr. Baber asked interested members to contact him about interest in participating in the evaluation. There will be a discussion at the January 5<sup>th</sup> TC meeting on findings and initial impressions members encountered using the application.

***[PowerPoint: Smart Phone Application Testing]***

## **ATTENDANCE**

### ***Members***

Alex Brun– Maryland Department of the Environment  
Tyson Byrne - Maryland Department of Transportation  
Ken Choi – Maryland Department of Planning  
Kwaku Duah – City of Annapolis Department of Transportation  
Scott Graf – Carroll County Department of Planning  
Emery Hines – Baltimore County Department of Public Works  
Valorie LaCour - Baltimore City Department of Transportation  
Jefferson Miller – Howard County Department of Planning & Zoning  
Tara Penders – State Highway Administration (SHA)  
Alex Rawls – Harford County Department of Planning & Zoning  
Brian Ulrich – Anne Arundel County Office of Planning & Zoning

### ***Staff and Guests***

Regina Aris - Baltimore Metropolitan Council (BMC)  
Charles Baber - BMC  
Robert Berger – BMC  
Ed Cohen – MTA CACAT and MTA CAC  
Terry Freeland - BMC  
Derek Gunn - SHA  
Victor Henry - BMC  
Don Halligan - BMC  
Todd Lang – BMC  
Brian Muldoon – Howard County  
Brian Ryder – BMC  
Rebecca Smith - BMC  
Ed Style - BMC