



Update on FY 2020 Consultant Tasks

February 25, 2020



Maryland Travel Survey (MTS)

- **Purpose of 2017 Maryland Statewide Household Travel Survey is to obtain up-to-date travel and activity behavior for use by BMC in its . . .**
 - Trip-based travel demand model
 - Activity-based models
 - Other planning purposes
- **In addition, BMC would like to emulate the type of data collected by the Metropolitan Washington Council of Government's Transportation Planning Board (MWCOCG/TPB) in its Regional Travel Survey (RTS).**

MTS Task Overview

Task	Deliverables	Status
1. Finalize Consultant Work Plan and Schedule	<ul style="list-style-type: none"> • Project Work Plan • Project Schedule 	• Complete
2. Refine Proposed Survey Design	<ul style="list-style-type: none"> • Draft Memorandum on Survey Design • Final Memorandum on Survey Design 	• Complete
3. Develop Survey Interviewing Plan, Materials, and Data Collection Systems for Survey	<ul style="list-style-type: none"> • Survey Logo • Data Elements • Survey Instruments • Screeners • Advance Letters • Public Site Contents • Logs • Log Letters 	• Complete
4. Conduct Survey	<ul style="list-style-type: none"> • Screener Recruitment Survey (Survey 1) • Extended Recruitment Survey (Survey 2) • Retrieval Survey (Survey 3) 	• Complete
5. Prepare Final Survey Report and Data Files	<ul style="list-style-type: none"> • Draft Survey Report • Draft Data Files and Documentation • Final Survey Report • Final Data Files and Documentation 	<ul style="list-style-type: none"> • Complete • Complete • March 2020 • March 2020

Refresh Congestion Management Process

- **Team led by ICF selected to prepare a CMP for the region, which will include developing a process to:**
 - Analyze congestion problems and needs
 - Identify and apply cost-effective strategies that support regional objectives
 - Evaluate the effectiveness of CMP strategies
- **Project also includes development of a corridor study template**
- **Coordinating with performance-based planning and programming (PBPP) activities as appropriate**

CMP Task Overview

Task	Deliverables	Status
1. Project Initiation and Management	<ul style="list-style-type: none"> Stakeholder Engagement Plan 	<ul style="list-style-type: none"> Plan complete PM in progress
2. Meeting Facilitation	<ul style="list-style-type: none"> Meeting materials 	<ul style="list-style-type: none"> 3 of 6 complete
3. Document Current Conditions	<ul style="list-style-type: none"> Review of existing plans, studies and data sources Summaries of interviews with regional CMP stakeholders Summary of CMP good practices from other MPOs 	<ul style="list-style-type: none"> Complete
4. Develop Customized Strategy for a CMP for the Baltimore Region	<ul style="list-style-type: none"> Regional CMP objectives CMP network Multi-modal performance measures Process to collect data and monitor system performance Process to analyze areas of congestion Process to identify and apply strategies that implement regional objectives Evaluate effectiveness of the CMP strategies 	<ul style="list-style-type: none"> In progress (see next slide for details)
5. Template for Corridor Studies	<ul style="list-style-type: none"> Template for corridor studies 	<ul style="list-style-type: none"> Not yet started

CMP Project Status

Step	Status
Form a CMP Steering Committee	Done, most bi-monthly project meetings scheduled
Develop a list of regional CMP objectives	Complete
Define the CMP network	Complete
Develop multi-modal performance measures	Draft, discussed at January Steering Committee meeting
Collect data and monitor system performance	process starting to to be developed
Analyze areas of congestion	process to be developed
Identify and apply strategies that implement regional objectives	process to be developed
Evaluate effectiveness of the CMP strategies	process to be developed

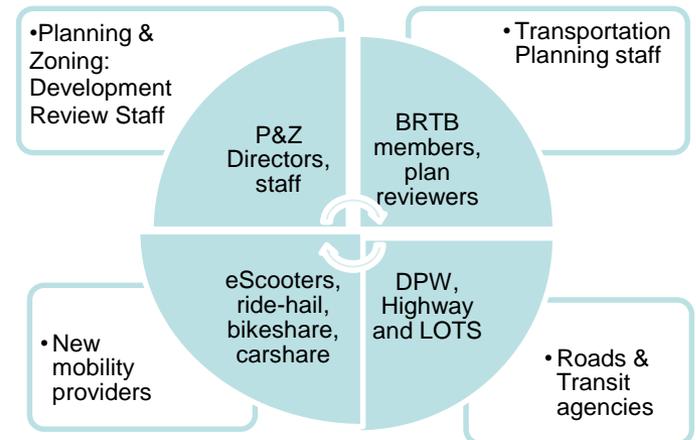
CMP Steering Committee

- Convened to provide guidance, input, and review deliverables
 - Scheduled meeting dates:
September 20, November 21,
January 24, March 20
 - Still need to schedule
May/June meeting(s)
- Will continue after project completion to implement CMP

- Local representatives include:
 - Planning
 - Public Works
 - Emergency Management
- State/Federal agencies include:
 - MDOT SHA
 - TSO
 - OPPE
 - CHART
 - I-695 TSMO Project
 - Districts 4, 5, 7
 - MDOT MTA
 - MDOT MDTA
 - MSP
 - MDP
 - FHWA

Development Review and New Mobility

- Team led by Kittelson & Associates and includes Nelson/Nygaard, Four Square and Nspiregreen and will:
 - Interview local development review staff and new mobility providers;
 - Inventory and document best practices;
 - Develop case studies and a report on the region;
- BMC staff has reached out to local contacts, i.e. BRTB members, Planning Directors, and development review staff.
- Contractor has begun to schedule interviews to understand the development review process in each jurisdiction. Please respond!

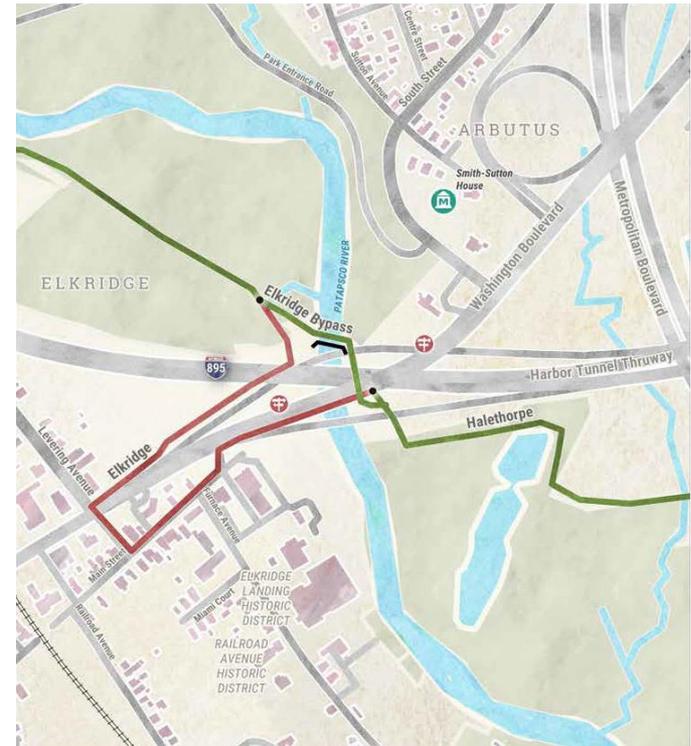


Development Review and New Mobility

Topic Area	Sample Questions
New Mobility Definitions	Does the development review process consider New Mobility solutions as a means to mitigate impacts? If so, what forms of New Mobility are recognized, how are they defined, and what standards are in place to govern their operations? If not, do you feel you need standards? Are there plans to incorporate New Mobility options into the review process?
Traffic Impact Studies	Have developers begun to include New Mobility offerings (rideshare and bikeshare stations) in their Traffic Impacts Studies (TISs)? Have they offered assumptions as to how much these offerings would affect their traffic impacts (e.g. auto trips generated, modal split, internal capture)?
Stakeholder Coordination and Partnerships	Have New Mobility providers offered input to the development process, either on behalf of a developer or to the reviewing agency? Are developers engaging in partnerships with New Mobility providers to reduce their transportation impacts? Are New Mobility providers offering infrastructure (docking stations, rideshare stands, charging infrastructure) to support specific developments? Are there developers or New Mobility providers who should be interviewed as part of this project? Do development review agencies have established contacts within other agencies managing/monitoring New Mobility providers (e.g. DOT, transit authority, Maryland Public Service Commission, MVA?)
Freight and Delivery	Does the development review process account for the impacts of just-in-time delivery models? Are distribution centers for just-in-time delivery services creating new challenges within the existing development and transportation framework?
Developer Incentives	Does the development review process allow for incentives (density bonuses, etc.) to developers who can demonstrate how New Mobility models may offset their local and regional traffic impacts?
Equity	Are equity issues (access to services, site access) being addressed when considering the impacts of New Mobility models to a site? How?
Infrastructure	Are New Mobility models requiring new infrastructure to support developments (e.g. DSRC infrastructure for connected vehicles, higher bandwidth data lines to support higher volumes of digital traffic, interfaces between New Mobility services and regional ITS infrastructure?) Are these new infrastructure requirements being captured in the development review process?

Patapsco Regional Greenway: Elkridge to Guinness

- Team led by AMT selected to develop 30% design.
Deliverables include:
 - 3 Technical memorandums
 - Concept alignments
 - Preferred alignment selection (documenting Steering Committee and public input)
 - Next steps (outstanding comments, regulatory approvals needed, additional design and survey requirements)
 - Preliminary Design documents
 - 5 Steering Committee meetings
 - 2 Community Outreach meetings



PRG Steering Committee and Public Outreach

- **Steering Committee meetings:**
 - Kickoff (Feb 6)
 - Site visit (mid March)
 - Concept alignments (April)
 - Preferred alignment selection (June)
 - 30% Design document review and Next Steps (Nov)
- **Public Outreach meetings**
 - Concept alignments (May)
 - Preferred alignment (Nov)
- **Public Advisory Committee**
 - Same check in points as the Steering Committee

Steering Committee Members

Baltimore County DPW	Howard County DOT
BGE	Diageo
Maryland Park Service	MDOT
MDOT MdTA	Patapsco Valley State Park

Public Advisory Committee

Friends of Patapsco Valley State Park	Howard County Cyclists
BRTB PAC	Greater Arbutus Business Association
Greater Elkridge Community Association	Patapsco Heritage Greenway
Mountain Club of Maryland	

Evaluation of Public Involvement Activities

- Team led by WSP selected to evaluate the public involvement activities of the BRTB. DBE partner is PRR.
- There are three main tasks:
 1. Evaluate the effectiveness of current public involvement activities of the BRTB
 - Review 2018 PPP and 2019 LEP
 - Review the analytics, performance measures, and effectiveness of the website, outreach, practices to reach underserved.
 2. Review BRTB public involvement activities with key participants
 - Interview two BRTB and TC, attend 2 PAC meetings, evaluate the role of the PAC in the public involvement process
 3. Tools, trainings, and recommendations to improve
 - Strategies to inform public on UPWP, TIP, LRTP, and Amendments
 - Create a communications plan, recommend materials for outreach, tools to evaluate effectiveness, and training

Evaluation of Public Involvement Activities

- **Discussions with the PAC will occur in March and May**
 - There will be a coordination call with the PAC leadership to discuss the approach WSP/PRR will use to engage the group
- **BMC has reviewed the questions for the interview of 4 members**
 - Interviews are to be completed in February.
- **Review of PPP and LEP**
 - This has been completed, waiting for report.
- **Expect to finish by June 30.**

Traffic Impact Study (TIS) Guidelines

- Team led by AECOM selected to develop TIS guidelines for potential use by member jurisdictions.
- There are three main tasks:
 1. Review and document the **current Traffic Impact Study guidelines/requirements** currently in use by the nine (9) jurisdictions;
 2. Review **new research and best practices** for improving Traffic Impact Studies, specifically to consider the current use of Level of Service criteria, and to potentially include assessment of multi-modal impacts; and
 3. **Suggest recommendations for best practices** to be used in conducting Traffic Impact Studies.

Status Update

- **Task 1 (Project Initiation)**
 - Complete
- **Task 2 (Documentation of Current TIS Guidelines / Requirements of Member Agencies)**
 - Draft Technical Memorandum under review by Steering Committee
 - Review Meeting to be scheduled shortly
- **Task 3 (Review of New Research and Best Practices)**
 - Underway

TIS Guidelines in use within BMC Region

Jurisdiction	TIS Guidelines Document	Date/Year
1. Anne Arundel County	"Guidelines for Traffic Impact Studies", Anne Arundel County Design Manual (Ch. 3, Appendix N).	May, 2006
2. Baltimore City	"Procedures and Requirements for Conducting a Traffic Impact Study in Baltimore City"; and "Rules and Regulations for Traffic Mitigation in the City".	August, 2007; and October, 2012
3. Baltimore County	No County Guidelines, uses MDOT SHA TIS Guidelines.	N/A
4. Carroll County	"Draft Design Manual Roads and Storm Drains".	October 18, 2019
5. City of Annapolis	"Policies and Guidelines for Traffic Impact Analysis for Proposed Development in the City of Annapolis".	October 1, 2016
6. Harford County	"Traffic Impact Analysis Guidelines – 3 rd Edition".	July, 2019
7. Howard County	"Adequate Road Facilities Test Evaluation Requirements", Chapter 4, Howard County Design Manual for Roads & Bridges.	December, 2017
8. Queen Anne's County	"Description of Traffic Impact Studies Guidelines", County Administrative Policy for the Adequate Public Facilities Ordinance.	July, 2018
9. MDOT SHA	"Draft Guidelines for Traffic Impact Reports/ Studies", MDOT SHA	2015

General Summary of Initial Findings

- In general, the guidelines used by most of the jurisdictions appear to provide a sound and practical basis for the preparation of Traffic Impact Studies.
- However, there are significant variations in the levels of emphasis and specificity attached to a number of the TIS parameters.
- These will be discussed at the next steering committee meeting in March.

For More Information

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