Baltimore Region FY 2017-2020 Transportation Improvement Program (TIP) AMENDMENT



Baltimore Regional Transportation Board

Baltimore Metropolitan Council

June 27, 2017



Who We Are

- BMC Organization of Region's Elected Executives.
- BRTB Baltimore Regional Transportation Board – Metropolitan Planning Organization



BRTB Members

- City of Annapolis Michael Pantelides, Mayor
- Anne Arundel County Steve Schuh, County Executive
- City of Baltimore Catherine Pugh, Mayor (Vice Chair)
- Baltimore County Kevin Kamenetz, County Executive
- Carroll County Stephen Wantz, Board of Commissioners
- Harford County Barry Glassman, County Executive
- Howard County Allan Kittleman, County Executive (Chair)
- Queen Anne's County Stephen Wilson, Board of Commissioners
- MD Department of Transportation Pete Rahn, Secretary
- Maryland Transit Administration Paul Comfort, Administrator
- MD Department of the Environment Ben Grumbles, Secretary
- Maryland Department of Planning Wendi Peters, Secretary
- Harford Transit Robert Andrews, Administrator





What We Do - BRTB

- Air Quality
- Bicycle and Pedestrian
- Emergency Preparedness
- Freight
- Safety
- Transit









What We Do - BRTB

- Two-year work program (UPWP)
- Short-term transportation program (TIP)
- Long-range transportation
 plan (*Maximize 2040*)
- Air quality assessments of all transportation projects





What is the Transportation Improvement Program (TIP)

- Short-range (four-year) program of transportation improvements & priority projects
- Financially constrained
- Authorizes project sponsor to seek or use federal funds
- Generally updated annually
 - Current TIP is FY 2017-2020
- Amendments require 30-day public review

- New projects, new funding, etc.



Air Quality Assessment

 The TIP goes through a process that compares estimated pollutants (emissions) from transportation projects to limits (budgets) set by the state.



This report, called a "conformity determination", addresses the 8-hour ozone standard.







Train Detection & WorkerWarning System project



MD 45: Padonia Road toWight Avenue project



Proposed Amendments June 2017

- MTA: Fixed Location Train Detection and Worker Warning System
- SHA: MD 45: Padonia Road to Wight Avenue





- Installation of fixed deployment system (ZoneGuard) along the entire length of the MTA Light Rail line
- Study in partnership with the State of New York that will test the proof-of-concept of an electronic secondary warning system







- Electronic secondary warning system that warns work crews in the track of approaching trains
- Fixed devices along the Light Rail line communicate with devices worn
 by rail workers
- Enhances the safety of track workers
- Increases available track maintenance time



Fixed Location Train Detection and Worker Warning System Personnel Module

Control Module

Serves as the data control, intelligence, and diagnostic center for the RWPS. Can be easily installed anywhere inside or outside of equipment.



Designed to be clipped to any vest or belt, the Personnel Module provides protection for any worker in the vicinity of trains. The module deploys a multi-color LED beacon, a programmable speaker, vibration effects, and a confirmation button to silence alarms. Personnel Modules are lightweight, environmentally sealed, and can last up to a week on a single charge.

Cab Module



The Cab Module serves as an Interface that alerts the operator of any train vehicle to the presence of nearby workers. The module provides real-time information about nearby workers (such as distance and confirmation status) as well as any other customer - specified requirement. The Cab Module can operate either as a stand-alone system, or can be integrated into existing displays for AURA Collision Avoidance and Passenaer Rail Control Systems.

UWB Modules



the Wayside Module initiates near the center of the work zone or can be permanently





5312 FUNDING	AMOUNT
FEDERAL	\$688,000
STATE OF MARYLAND	\$280,000
PRIVATE (MILLER/METROM)	\$2,003,552
NEW YORK CITY TRANSIT	\$18,000





DATE	MILESTONE
7/1/2017	Project begins
10/13/2017	Product installation, testing, and verification (NY) complete
12/31/2017	Product installation, testing, and verification (MD) complete
3/15/2018	Data collection and evaluation (NY) complete
10/1/2018	Data collection and evaluation (MD) complete
2/1/2019	Final report with evaluation draft complete





MD 45 (York Road) Padonia Road to Wight Avenue

Schedule

Advertisement:	06/13/2017
Notice to Proceed:	09/25/2017
Completion:	Fall 2020





MD 45 (York Road) Padonia Road to Wight Avenue

- Utility project followed by roadway resurfacing
- Baltimore County 24 inch water main replacement
- Major Project (> \$10 million) in MDOT CTP

Total Costs (in thousands)		
Design	\$ 662	
Roadwork	\$ 3,507	
Waterline (County funds)	<u>\$ 13,200</u>	
Total	\$ 17,369	
Federal Aid	\$ 2,736	





Share your thoughts

Comments welcome through June 9, 2017 to:

The Baltimore Regional Transportation Board Attn: Public Involvement Coordinator 1500 Whetstone Way, Suite 300 Baltimore, MD 21230

- *Fax*: 410-732-8248
- *E-mail*: comments@baltometro.org
- Twitter: @BaltoMetroCo @BmoreInvolved #BRTBlistens

Comments are also welcome during the Public Comment Opportunity of the BRTB meetings at 9:00 am on Tuesday, May 23 and Tuesday, June 27 (scheduled vote).





