

Baltimore Region FY 2014-2017 Transportation Improvement Program (TIP) AMENDMENTS



Stafford Road
Bridge Project



OPEN FOR COMMENT
Through April 8, 2015

MTA Hybrid Bus
Efficiency Improvements

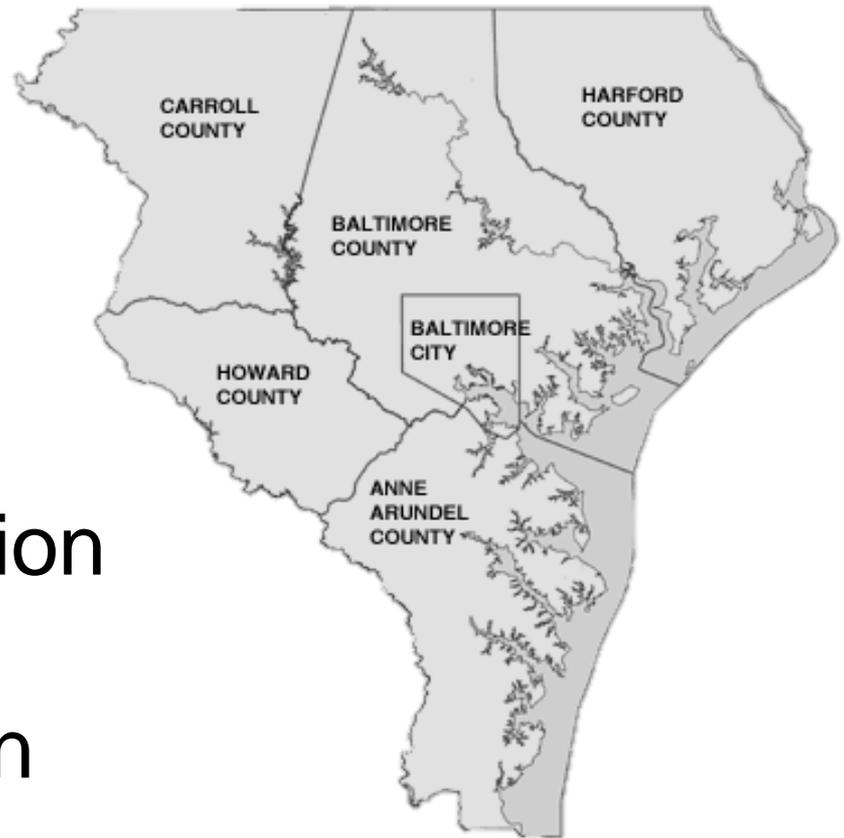


Baltimore Metropolitan Council

April 1, 2015

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 (Chair)
- City of Baltimore - Stephanie Rawlings-Blake, Mayor
- 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 (Vice Chair)
- MD Department of Transportation – Pete Rahn, Secretary
- Maryland Transit Administration – Robert Smith, Administrator
- MD Department of the Environment – Ben Grumbles, Secretary
- Maryland Department of Planning – David Craig, Secretary



What We Do - BRTB

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



What We Do - BRTB

- Two-year work program
- Short-term transportation program (TIP)
- Long-range transportation plan
- 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 2014-2017
- 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 fine particulate matter (PM_{2.5}), 8-hour ozone and CO standards.





Stafford Road Bridge Project

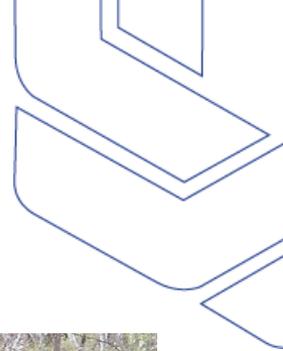


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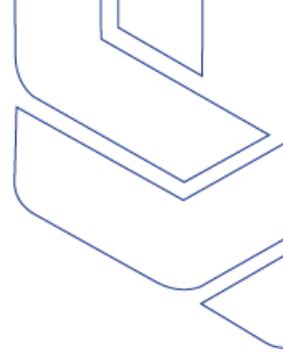
MTA Hybrid Bus Efficiency Improvements



Stafford Road Bridge Project



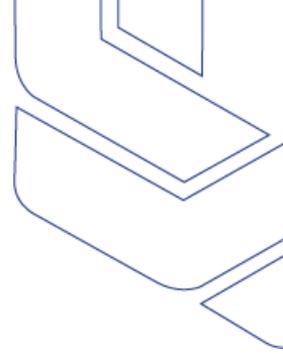
Stafford Road Bridge Project



- Existing Bridge carries Stafford Road over Deer Creek, is located within Susquehanna State Park in Harford County Maryland, and was built in 1950.
- The bridge consists of a 225.5', 3 span continuous steel beam bridge with a 7" concrete deck supported by abutments and piers on spread footings founded on rock.
- The bridge supports a two lane 20' wide roadway.



Stafford Road Bridge Project



- The project involves the rehabilitation of the existing bridge.
- Rehabilitation to include repair and/or replacement of the concrete deck, repairs to deteriorated concrete on the beam seats, abutments, wingwalls, and piers, replacement of roadway joints, and repair and restoration of the bridge railing.
- Funding: Surface Transportation Program
 - FY 2015: \$160,000 Federal with \$40,000 Match for Preliminary Engineering
 - FY 2017: \$600,000 Federal with \$200,000 Match for Construction and Inspection Fees

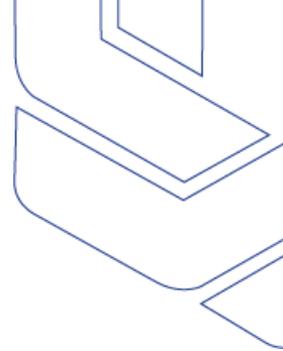


MTA Bus Efficiency Enhancement Research and Demonstration (BEERD) Project

The MTA will retrofit 41 2011 and 2012 model year buses with a new beltless alternator that will reduce alternator maintenance, belt failures, road calls, improve fuel economy and subsequently, greenhouse gas emissions.



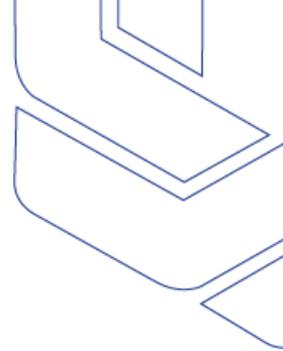
Hybrid Beltless Alternator



	Miles/Year	MPG	Gallons/Year
Non-HBA Hybrid (before Retrofitting)	36,000	5	7,200
HBA Hybrid (after Retrofitting)	36,000	6	6,000
			Gallons Saved/Yr
			\$/Gallon
			\$Saved/Yr
			12-Year Savings
			1,200
			\$ 2.50
			\$ 3,000.00
			\$36,000.00



HBA's 12-Year LCC Savings – Fuel and Maintenance (per bus)



- **12-Year Maintenance Savings \$24,800**
 - **12-Year Fuel Savings \$36,000**
- TOTAL \$60,800**

Calculated Emission Reductions

NOx	PM2.5	HC	CO	CO ₂
(kg/year)	(kg/year)	(kg/year)	(kg/year)	(kg/year)
17.72	0.44	0.33	4.10	12,073.74

Share your thoughts

Comments welcome through **April 8, 2015** to:

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

Fax: 410-732-8248

E-mail: comments@baltometro.org

Twitter: @BaltoMetroCo @BmoreInvolved #BRTBlistens



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Comments are also welcome during the Public Comment Opportunity of the BRTB meeting at 4:30 p.m. on Tuesday, April 28, 2015 (scheduled vote)