


Washington Metropolitan Area Transit Authority

# Rail Service Optimization

Riders' Advisory Council Committee  
July 1, 2015

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Silver/Orange/Blue/Yellow Line Challenges

Since the opening of Silver Line:

- On-Time Performance
- Dispatching over:
  - Five junctions: Rosslyn, Stadium-Armory (D&G), L'Enfant, East Falls Church and King Street
  - Rosslyn Tunnel chokepoint
- Ridership

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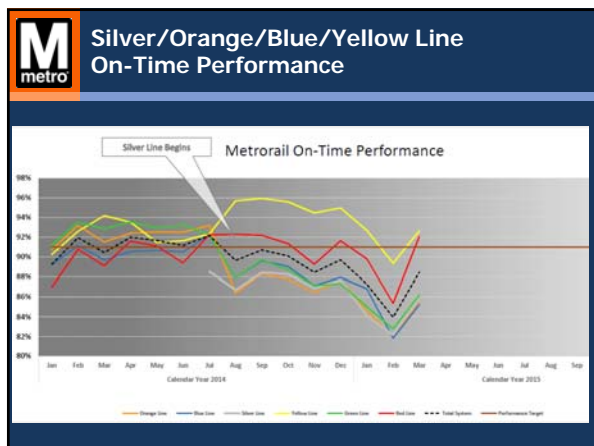
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 <b>Solution - Align Service with Rider Demand</b>				
Service Frequency on Orange ●/Blue ●/Silver ●/Yellow ●/Green ● Line:				
Segment	Current Service		Proposed Service	
	Frequency	Line	Frequency	Line
Wiehle-Reston East -- East Falls Church	6	●	8	●
Vienna -- East Falls Church	6	●	8	●
East Falls Church -- Rosslyn	4-2-4-2	● ●	4-4-4	● ●
Rosslyn -- Stadium-Armory (D&G)	2-2-2-4-2-2-2	● ● ●	4-2-2-4-2-2	● ● ●
Stadium-Armory (D&G) -- New Carrollton	6	●	8	●
Franconia-Springfield -- King St.	6	● ●	8	● ●
King St. -- Pentagon	4-2-4-2	● ●	4-4-4	● ●
Pentagon -- Rosslyn	12	●	8	●
Stadium-Armory (D&G) -- Largo Town Center	4-2-6	● ●	6-2-6-2	● ●
Huntington -- King St.	6	●	8	●
Pentagon -- L'Enfant Plaza	4-2-6	●	8	●
Mt. Vernon Sq. -- Greenbelt	4-2-6	● ●	8	● ●
Branch Ave -- L'Enfant Plaza	6	●	8	●

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 <b>Benefits and Impacts</b>	
<ul style="list-style-type: none"> <li>+ Better on-time performance</li> <li>+ Align service with rider demand</li> <li>+ Consistent and reliable ride for our passengers</li> <li>+ Restore balance with Blue Line</li> <li>- Dial back Rush Plus</li> <li>- Crowding during peak-of-the-peak</li> <li>- Wider headways</li> </ul>	

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 <b>Customer Experience</b>				
Line	Current Requirement		Proposed 8 min HW Car Requirement	
	Peak Hour Peak Direction		Peak Hour Peak Direction	
	Car Count	Passenger Per Car	Car Count	Passenger Per Car**
Blue	36	106	56	108
Orange*	78	91	64	111
Silver	60	83	46	111
Green*	78	73	66	86
Yellow	90	74	46	97

\* Orange and Green Lines with 1 tripper  
 \*\*Assumed 30% ridership switch between Yellow and Blue lines under proposed plan

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### Recommendation

- Board authorization of a Public Involvement Process, including a Public Hearing, to obtain customer and stakeholder input on a potential revision to optimize the current rail service

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### Next Steps

- Conduct Public Outreach:
  - Public Participation Plan
  - Customer Outreach/Survey
  - Public Hearing
- Present outcome and request adjustment of service standards to Board - October 2015

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