BaltimoreLink: The Launch of a New Bus System Baltimore Metropolitain Council **Housing Committee** Meeting



MARYLAND TRANSIT ADMINISTRATION

What is BaltimoreLink?



In order to fix the system, we have to change the system.

How did BaltimoreLink fix the system?

Shortened some of our longest routes

Increased frequencies on key routes

Decongested the downtown corridors

Invested in layovers, transfer areas, bus lanes



Improving the System

BaltimoreLink set the groundwork to improve reliability with capital improvements and service changes.



Capital Investment – Dedicated Bus Lanes

- Implemented roughly 5 ½ miles of dedicated bus lanes
- Up to 25% time savings on Pratt and Lombard
- Evaluating multiple CityLink route corridors, traffic analysis, and the number of buses per hour for benefits
- Final report expected in the coming months



Capital Investment – Transit Signal Priority



- Screened 700 traffic signals around the region for TSP piloting
- TSP bus equipment installed on 250 buses and nearly 50 intersections
- Up to 22% time savings in AM Peak
- Currently installing on entire fleet and identifying additional corridors for implementation
 - GPS location data
 - Overall delay time
 - Boarding times
 - Other routes served

Bus Stop Optimization

Optimized 20% of previous bus stops

- Removals (800 stops)
- New/Relocated Stops (100+)

Replaced over 5,000 signs











Measuring and Monitoring the System



Old System Frequent Service (remained under BaltimoreLink)

BaltimoreLink Frequent Transit Network

Frequent Transit Network (FTN): Any route that has service at least every 15 minutes between the hours of 7am and 7pm on weekdays

Connectivity and Reliability:

Building a Frequent Transit Network



New Frequent Service

 Old System Frequent Service (remained under BaltimoreLink)

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More People with Access to Frequent Transit

Under BaltimoreLink, an estimated 130,000 additional people – a 32% increase over the pre-BaltimoreLink system – are within 1/4 mile of the frequent transit network.



Better Access to Services in the Region

BaltimoreLink provides **more frequent transit** to educational institutions and health services that people need the most. Four hospitals, 10 pharmacies, 13 supermarkets, 22 public schools, and 5 libraries were added to the frequent transit network.



Percentage Increase of Populations Within ¼ Mile FTN



On-Time Performance: Pre/Post Comparison





- APC (Automatic Passenger Counter) data more accurate and representative of customer experience
- Internal transition to a new and improved reporting system

Measuring Frequency-Based Reliability: CityLink Routes



BaltimoreLink Network – Population





people
people

BaltimoreLink Network – Jobs



Jobs

Jobs per square mile. Employment statistics from LEHD, 2015.

> 7,500	jobs
3,200 - 7,500	jobs
1,500 - 3,200	jobs
800 - 1,500	jobs
400 - 800	jobs
200 - 400	jobs
< 200	jobs

BaltimoreLink Network – Poverty



Poverty People per square mile falling below the nation-wide poverty level. American Community Survey, 2016.



BaltimoreLink Network – Car Free





Car Free

Households per square mile with no vehicle available. American Community Survey, 2016.

> 1,000	households
300 - 1,000	households
150 - 300	households
90 - 150	households
45 - 90	households
15 - 45	households
< 15	households

Resource Utilization

Sheppard Pratt - White Marsh PnR Express BusLink 102 Eliminated service on February 2, 2018

Reasons underperforming:

- Trip/connection can be made using other services
- Limited number of trips

Alternative Services:

• LocalLink 53; CityLink Brown



Resource Utilization

Sheppard Pratt - Owings Mills Express BusLink 106 Eliminated service on February 2, 2018

Reasons underperforming:

- Trip/connection can be made using other services
- Limited number of trips

Alternative Services:

 Metro SubwayLink; various crosstowns; CityLink Red



Resource Utilization

BWI Airport - Old Court Metro Express BusLink 107 Eliminated service on February 2, 2018

Reasons underperforming:

- Trip/connection can be made using other services
- Long cycle-time
- Limited number of trips
- Few trip generators served

Alternative Services:

 Depending on origin/dentation, all locations are access via other service, but would require a transfer.



What's Next in 2018?

- Living system
 - Operational and schedule tweaks
 - Listening to our operators and riders
- Summer 2018 Real-time launch
- Late summer 2018 Mobile ticketing
- North Avenue Rising



The Work is Not Yet Done (2018 and Beyond)

- Laid the foundation for additional improvements
 - Service
 - Infrastructure
- Bus Stop Accessibility Assessments and Plan
- Transfer Analysis Study (BMC)
- Feasibility Analysis for Additional Service Types







Thank you!

Questions/Comments/Discussion



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