

Metrobus Service Evaluations

Routes E2/E3/E4

Public Meeting

Lamond-Riggs Library

May 31, 2011



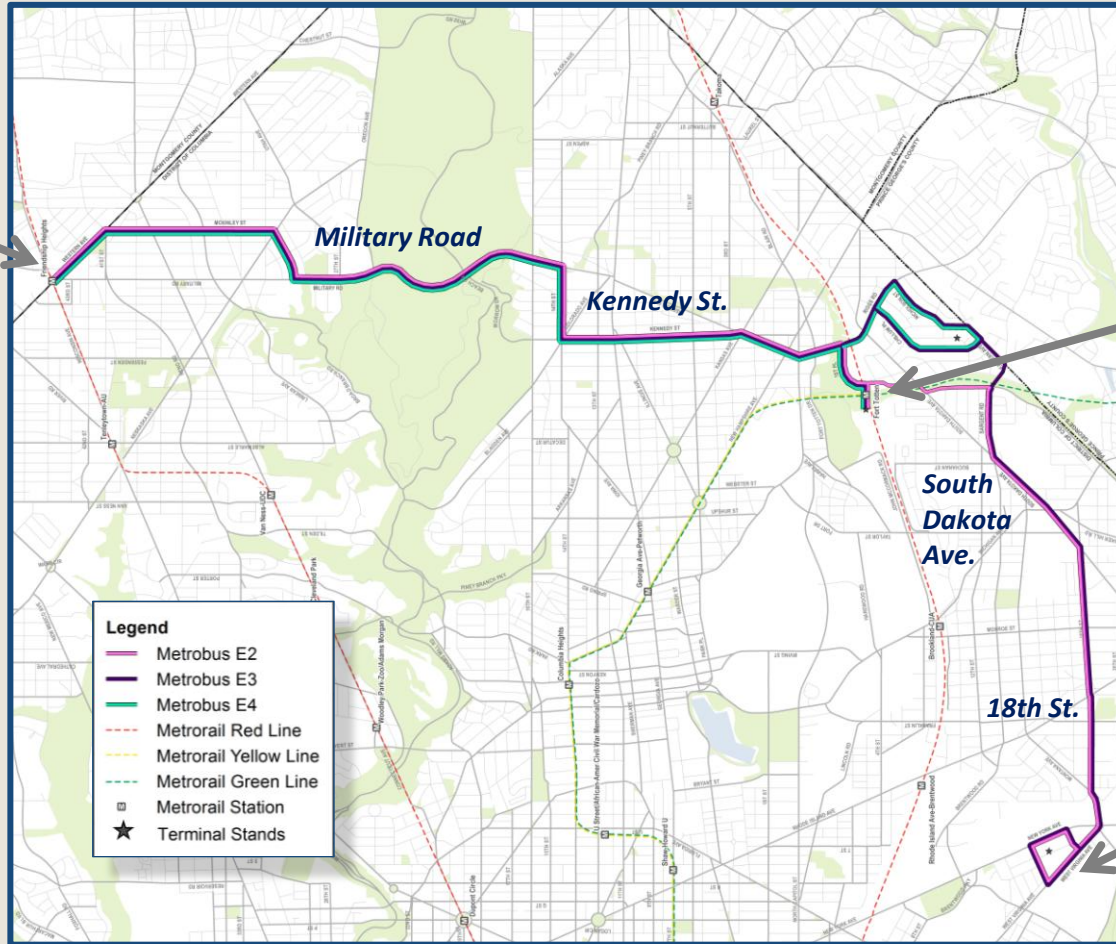
Purpose of the Evaluation

- Identify strategic needs;
- Review capacity, productivity, reliability, and quality of service;
- Recommend changes to improve service (frequency, crowding, travel time, amenities, communications, etc.)



E2/E3/E4 Line Map

Friendship Heights Metro



Fort Totten Metro

Ivy City



Characteristics of Routes E2/E3/E4

- Average number of weekday riders: 5,800
(13th of 62 routes in DC; 18th of 157 Metrobus routes overall)
- Average number of riders per trip: 33
- E2/E4 combined frequency of service:
 - Weekday, eastbound AM peak = 7.5 minutes
 - Weekday, westbound AM peak = 6.5 minutes
 - Weekday, both directions, midday = 15 minutes
 - Weekday, eastbound PM peak = 10 minutes
 - Weekday, westbound PM peak = 12 minutes
 - Saturday (E2/E3) = 15 to 20 minutes; Sunday (E2/E3) = 20 minutes
- Ranked 27th of 157 Metrobus routes subsidy in terms of subsidy received (i.e., fares covering operational costs) – \$1.76 per rider.



Rider Survey - Preliminary Results

- Top concerns of E2/E3/E4 riders:
 - 1) Reliability of service – buses coming too early or too late
 - 2) Frequency of buses – buses don't come often enough
 - 3) Crowding on buses – too many riders at one time on buses
 - 4) Travel time – buses travel too slowly to get to destinations
 - 5) Hours of service
- 64% use the line for commuting to and from work
- 88% use the line regularly (more than 3 days per week)
- The majority of riders transfer; usually to/from Metrorail Red and Green Lines, some to/from other bus routes (70s Line, etc.)
- 71% of riders are District residents; 23% live in Maryland



Preliminary Recommendations to be evaluated

- **Work with District Department of Transportation to make traffic signal and roadway improvements**
- **Potential bus stop consolidation**
- **Additional bus stop amenities at high-volume bus stops**
- **Possible re-route of E2 & E4 to intersection of Georgia & Missouri Avenues**
- **Extend E2 & E3 to intersection of New York Avenue & Bladensburg Road**
- **Add extra time in schedule for buses to complete their runs (to address on-time performance issues)**



Preliminary Recommendations to be evaluated

- Potential limited-stop “E9” service between Friendship Heights and Fort Totten Metro stations
- Split line at Fort Totten Metro:
 - Option 1: Ivy City to Fort Totten via Riggs Park
Fort Totten to Friendship Heights
 - Option 2: Ivy City direct to Fort Totten
Friendship Heights to Riggs Park via Fort Totten
 - Option 3: Split E2/E3/E4 service and combine E2/E3 with the D4 route to provide service into Downtown DC

(Splitting the line would better balance service and demand, improve reliability, and allow for more service frequency on the high-demand western portion of the line.)



Next Steps

- **Finalize recommendations based on public input and additional required analysis**
- **Estimate capital and operational costs**
- **Identify funding sources**
- **Complete final report**
- **Receive WMATA Board approval**
- **Develop implementation plans**



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