

Appendix F-2: WMATA Priority Corridor Network Study

The Washington Metropolitan Area Transit Authority (WMATA) has developed a Priority Corridor Network (PCN) that targets 23 corridors throughout the region for enhanced bus services. These corridors represent the most heavily traveled Metrobus routes and account for over half of Metrobus ridership. Eleven of these corridors operate in Montgomery County, though only five provide substantial service in the county. The five corridors include:

Corridor	Existing Metrobus Route	From	To
University Blvd / East- West Hwy	J1 J2 J3 J4*	Montgomery Mall Transit Center	College Park Drive
Veirs Mill Road	Q2	Silver Spring Metro	Shady Grove Metro
Greenbelt-Twinbrook	C2 C4	Prince George's Plaza Metro	Twinbrook Metro
East-West Highway	F4 F6	Silver Spring	Metro New Carrollton Metro
Georgia Ave. (MD)	Y5 Y7 Y8 Y9	Silver Spring Metro	Montgomery General Hospital

This study reviewed three options:

1. No Build
2. Service and Operational Improvements -- this includes reducing the number of bus stops along a corridor, and runningway improvements such as queue jumps (which enable buses to get to the front of a traffic signal queue) and transit signal priority (which gives approaching buses a few additional seconds of time to get through a traffic signal)
3. Exclusive Lane Investments – includes elements in Alternative 2, plus adding bus-only lanes or converting existing vehicular lanes to bus-only lanes

The results of the study show that both Alternative 2 and 3 reduce transit travel time and increase auto travel time. Overall, travel time is reduced in the PCN corridors.

Measure	Alt. 2	Alt. 3
Change in Transit Travel Time per Person (minutes)	-1.8	-3.6
Change in Auto Travel Time per Person (minutes)	+1.2	+1.3
Change in Travel Time per Person (minutes)	-0.6	-2.4

The Priority Corridor Network study can be found at:

<http://www.montgomeryplanning.org/transportation/brac/documents/wmata-pcn.pdf>