



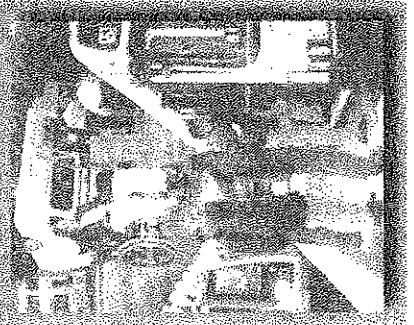
Washington Metropolitan Area Transit Authority

Metrobus Priority Corridor Network

***Presented to the Transportation Planning
Board***

September 17, 2008

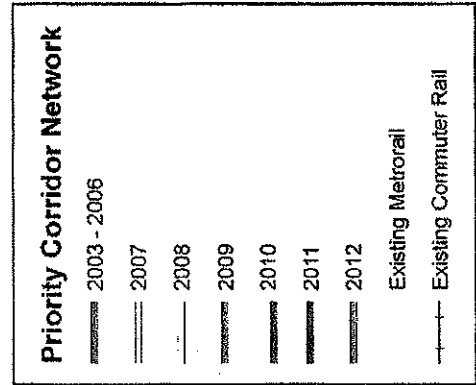
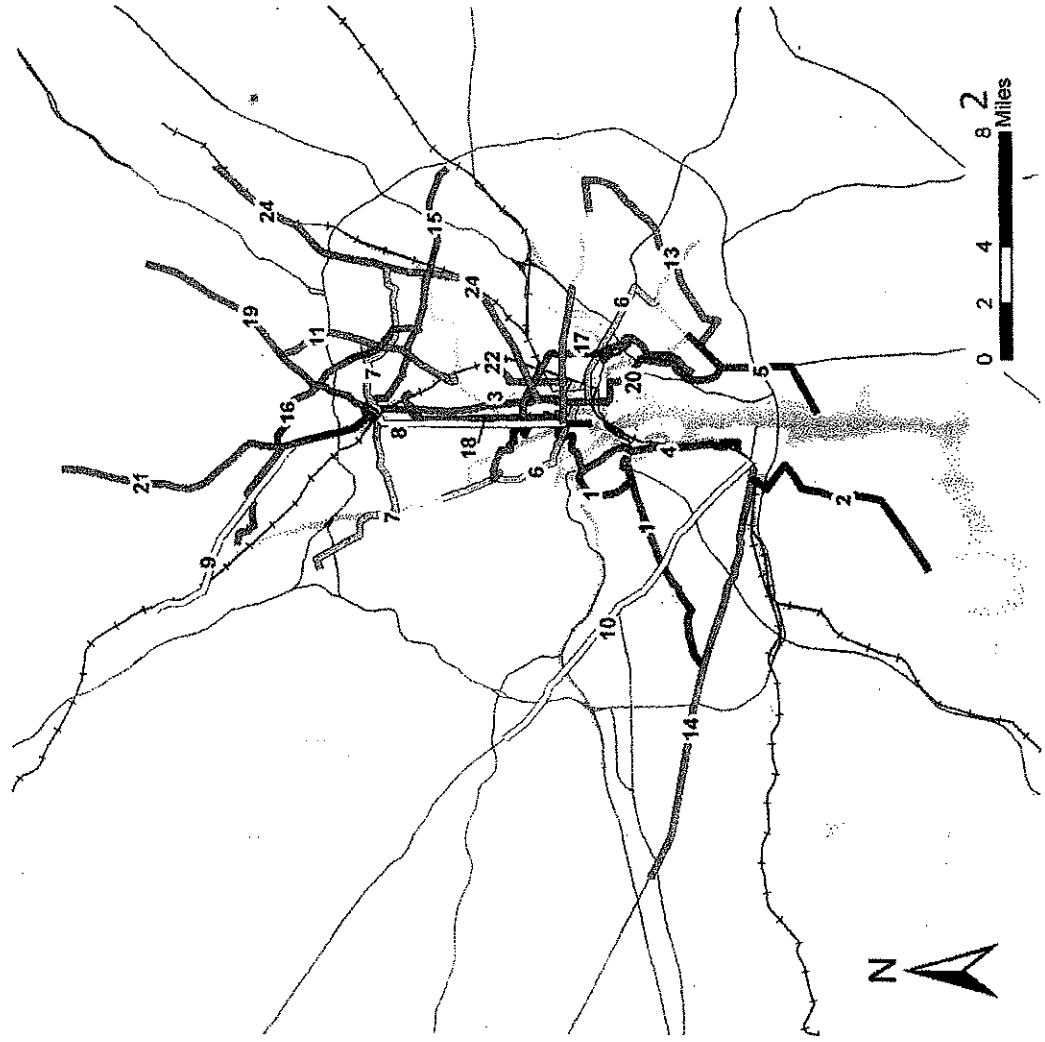
Item 9





Proposed Priority Corridor Network

- Network of 24 corridors
- High ridership arterial services (half of system)
- Candidates for multiple types of services
- Selected by
 - Performance
 - Ridership
 - Land use
 - Service levels
 - Jurisdictional support
- 6 Year Schedule

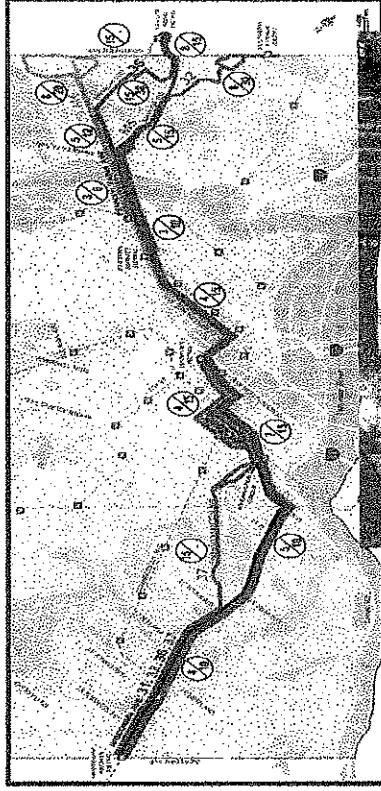


See slide #9 for listing of routes



Comprehensive Approach to Bus Service Improvement

- A Regional Priority Corridor Network Plan will:
 - Integrate service improvements, including new MetroExtra routes
 - Improve performance of all routes in the corridor
 - Coordinate stakeholder investments in stops, roadway improvements and safety/security strategies
- Implementation:
 - Improves street operations to improve travel times and reliability
 - Manages fleet and garage needs
 - Enhances customer information
- Focus on Priority Corridors:
 - Benefits the most riders
 - Improves service quality, reliability, performance
 - Builds transit market and influences development patterns





Characteristics of Priority Bus Corridors

- Metrobus has 171 lines with total daily ridership of 450,000
- Corridors represent 14% of lines (50% of ridership)
- Recommended Priority Corridor Plans serve:
 - 220,000 current daily riders
 - 70 million annual riders
 - 246 line miles of service
- Corridors include:
 - Local Metrobus
 - Express Metrobus
 - MetroExtra (Rapid Bus)
 - Neighborhood Shuttles
- Proposals add 10 million riders annually (+14%)

Priority Corridor Network Service Zone Characteristics			
	2005	2015	Net Change
Land Area (Sq Mi)	330	330	
Households	733,000	835,000	14%
Population	1,782,000	1,988,000	12%
Employment	1,609,000	1,827,000	14%

Priority Corridor Network Service Characteristics		Average
Weekday Passengers		9,200
Percent Weekend/Holiday Riders		18%
Riders per Revenue Hour		55
Riders per Revenue Mile		4.5
% Corridor Usage on Bus		8.0%
Bus Vehicles as % of Total		0.7%
Average Passenger Trip Time (Min)		42
Average Scheduled Bus Speed (MPH)		12.1
Average Line Trip Length (Miles)		9.4
Daily Passenger per Line Mile		900
Rail to Bus Transfers		6%
Bus to Bus Transfers		32%



Priority Corridor Implementation Plan

Priority Corridor Network - Implementation Schedule										
Projects	Study/Implementation									
	< 2006	2007	2008	2009	2010	2011	2012	2013		
Implement 3 to 4 Corridors per year (See appendix for specific Corridor)	Implemented									

Priority Corridor Network - Projected Costs	
Annual Operating (WMATA)	
Direct Service	\$ 19,500,000
Supv, Mktg, Other	\$ 5,500,000
Total Operating	\$ 25,000,000
One-Time Capital (WMATA and Stakeholder)	
135 Buses	\$ 83,500,000
Bus branding/New signage	\$ 25,900,000
Transit Center/Facilities	\$ 27,000,000
Roadway improvements	\$ 43,000,000
Park and Ride	\$ 36,800,000
Signal priority	\$ 67,000,000
Garage/Storage	\$ 43,000,000
Total Capital	\$ 326,200,000



Benefits

- Benefits half of Metrobus riders within six-year time frame
- Improves overall Metrobus customer service, reliability, quality & performance
- Expands transit market and influences development patterns in the region
- Coordinates investments in stops, roadway improvements and safety/security strategies



Regional Policy Initiatives

- Adoption of policies by stakeholder jurisdictions reflecting their role in transit provision:
 - Prioritization of person throughput over vehicle throughput
 - Mode-shift incentives on major arterials
 - Adoption of “Transit First” policies

- Incorporation of bus transit implementation requirements into plans for transportation and land-use projects.

- Provision for strategic reservation of right-of-way and maintenance facilities by local land use plans.



The TPB Role

The TPB can provide support of this Bus Priority Corridor Plan by:

- Ensuring that related policy considerations are discussed in various committees and forums available to the TPB:
 - Regional Bus Subcommittee
 - Management and Operations Intelligent Transportation Systems (MOITS) Task Force
- Exploring strategies for acquiring additional funding support for the capital improvements included in the plan:
 - Existing and future federal programs
 - Regional pricing initiatives
- Partnering with stakeholders in the region to develop implementation strategies:
 - This could include convening meetings of regional stakeholders to discuss policy considerations and develop regional consensus on strategies needed to insure success of the plan.



Recommended Priority Corridor Network

	Corridor Description	Line/Route Description	Status	State	Study Year	Average		Annual Platform Hours
						Weekday Ridership	Ridership	
1	Columbia Pike (Pike Ride)	16ABDEFJ 16GHKW 16L 16Y	Implemented	V	2003	12,469	12,469	99,473
2	Richmond Highway Express (REX)	REX	Implemented	V	2004	3,305	3,305	33,783
3	Georgia Ave./7th Street	70 71 79	Implemented	D	2006	15,377	15,377	99,509
4	Crystal City-Potomac Yard	9A 9E 9S	Implemented	V	2006	2,708	2,708	33,364
5	Southern Ave. Metro - National Harbor	NH-1	Implement Mar-08	M	2007	New	New	New
6	Wisconsin Ave./Pennsylvania Ave.	30 32 34 35 36	Implement Jun-08	D	2007	18,664	18,664	162,032
7	University Blvd./East-West Highway	J1 J2 J3 J4	Recommended	M	2007	7,709	7,709	67,967
8	Sixteenth Street	S1 S2 S4	Recommended	D	2008	14,594	14,594	111,857
9	Veirs Mill Road	Q2	Recommended	M	2008	10,859	10,859	75,425
10	Leesburg Pike	28AB 28FG 28T	Recommended	V	2008	6,230	6,230	52,486
11	New Hampshire Avenue	K6	Recommended	M	2009	6,637	6,637	40,536
12	H Street/Benning Road	X2	Recommended	D	2009	15,068	15,068	65,304
13	Eastover - Addison Road Metro	P12	Recommended	M	2009	5,632	5,632	44,645
14	Little River Turnpike/Duke Street	29KN 29CEGHX	Recommended	V	2009	3,243	3,243	40,792
15	East-West Highway (Prince George's)	F4 F6	Recommended	M	2010	7,847	7,847	52,040
16	Greenbelt-Twinbrook	C2 C4	Recommended	M	2010	13,614	13,614	99,690
17	Mass Ave/U St./Florida Ave./8th St./MLK Ave.	90 92 93	Recommended	D	2010	15,604	15,604	106,401
18	Fourteenth Street	52 53 54	Recommended	D	2010	14,061	14,061	98,171
19	Colesville Rd./Columbia Pike - MD US 29	Z2 Z6 Z8 Z9,29 Z11,13	Recommended	M	2011	9,844	9,844	97,062
20	Anacostia-Congress Heights	A2-8, A42-48	Recommended	D	2011	11,242	11,242	77,530
21	Georgia Ave. (MD)	Y5 Y7 Y8 Y9	Recommended	M	2011	7,625	7,625	57,633
22	North Capitol Street	80	Recommended	D	2012	8,515	8,515	60,808
23	Rhode Island Avenue	G8	Recommended	D	2012	3,923	3,923	34,182
24	Rhode Island Avenue Metro to Laurel	81 82 83 86 87 88 89 89M	Recommended	M	2012	5,407	5,407	57,509
Total Priority Corridor Network						220,177	220,177	1,668,199

Preliminary schedule, May 22. Revised schedule to be presented to the WMATA Board on October 16.