

Item 4: Briefing on the Update to the Bicycle and Pedestrian Plan for the National Capital Region

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Presentation to the
Bicycle and Pedestrian Subcommittee
July 20, 2010

Overview

- This presentation will
 - Highlight major new features, changes to the draft update to the 2006 Bicycle and Pedestrian Plan
 - Discuss progress since 2006
 - Discuss the project status and schedule



The 2010 Bicycle and Pedestrian Plan

- Identifies major bicycle and pedestrian projects the region wishes to carry out by 2035
 - Contains both funded and unfunded projects
- Incorporates goals and performance indicators for walking and bicycling from:
 - 1999 TPB *Vision*
 - 2010 COG *Region Forward 2050* plan
- Identifies “best practices” likely to be effective in achieving those goals
- Discusses trends in policy, mode share, safety

Plan Outline

- Chapter 1: Planning context of federal, state, and local bicycle/pedestrian policies and plans
- Chapter 2: Demographic and geographic overview of bicycling and walking in the region
- Chapter 3: Pedestrian and Bicyclist Safety
- Chapter 4: Overview of existing facilities
- Chapter 5: Goals and Indicators
- Chapter 6: Best Practices
- Chapter 7: The 2035 Network

Plan Development

- Oversight
 - Bicycle and Pedestrian Subcommittee of the TPB Technical Committee
- Project listings
 - Submitted by state and local jurisdictional staffs
 - On-line database
- Criteria for including projects:
 - Of a size and scope to be regionally significant
 - Regional connectivity
 - Access to transit, pedestrian safety
 - Inclusion in jurisdictional/agency plans

Plan Projects

(Chapter 7 and Appendix A)

- 410 projects
 - Final deadline for project submissions/edits was July 12th
 - View projects at : <http://www.mwcog.org/bikepedplan/>
- Chapter 7: The 2035 Network shows:
 - Planned facilities
 - 500 miles of bicycle lanes, 625 miles shared-used paths, and signed bicycle routes
 - 80 pedestrian/bicycle intersection improvements, six bridges, or tunnels
 - 18 major streetscaping projects
 - Estimated cost: \$1 billion
 - Progress since 2006
 - 71 Projects completed
 - 52 miles path, 9(?) miles bike lane, 16 ped intersection improvements, 9 streetscaping, five bridges/tunnels
 - 38 projects had reported cost of \$61 million total

Some projects built since 2006



Planned Facility Mileage

Table 7-1: Miles of Bicycle/Pedestrian Facilities in the Washington Region				
Facility Type	Total in 2005	Completed 2006- May 2010	Planned New Facilities/Upgrades	Total in 2035
Bicycle Lane	56	9	500	565
Shared-Use Path	490	52	625	1167
Total	546	61	1125	1732

Table 7-2: Imputed Costs for the Planned Projects (\$1,000's)				
Facility Type	Average Imputed Cost per Mile or per Project	Miles or Number of Projects with No Assigned Cost	Imputed Cost	
Multi-Use Path	\$1,500	625 miles	\$937,500	
Bicycle Lane	\$30	500 miles	\$15,000	
Pedestrian/Bicycle Bridge/Tunnel	\$4,000	6 projects	\$24,000	
Pedestrian Intersection Improvement	\$500	18 projects	\$9,000	
Streetscape	\$2,000	21 project	\$42,000	
Total			\$1,027,500	

Cost Estimates: Limitations

- Most estimates are ballpark
 - Projects mostly not yet designed
 - All cost estimates are 2010 dollars
- “Complete Streets”
 - Projects are bid as a whole
 - Construction cost for the bicycle/pedestrian element usually not available
 - Example: Woodrow Wilson Bridge
 - A growing share of bike/ped facilities are provided as part of larger transportation projects
 - Can do unit cost planning-level estimates
- Privately provided facilities not included

Goals & Indicators (Ch. 5)

Pivot off Region Forward 2050 Targets & Indicators

- Suggested supporting indicators
- Split table 5-1 for clarity
- Have or will have baseline conditions
 - Use only indicators for which we have data
 - Eliminated bike parking, bus stop conditions, for which we don't
- All day transit access or am peak?
- Transit bike parking use?

Appendices A, B, C: Plan Projects

- Appendix A shows both completed and not completed
 - Funded and Unfunded
 - Organized by Agency
 - Same data as the web site
- Appendix B Data Dictionary
- Appendix C: Alphabetical list of projects completed from the 2006 Plan

Federal and State Policies

(Chapter 1)

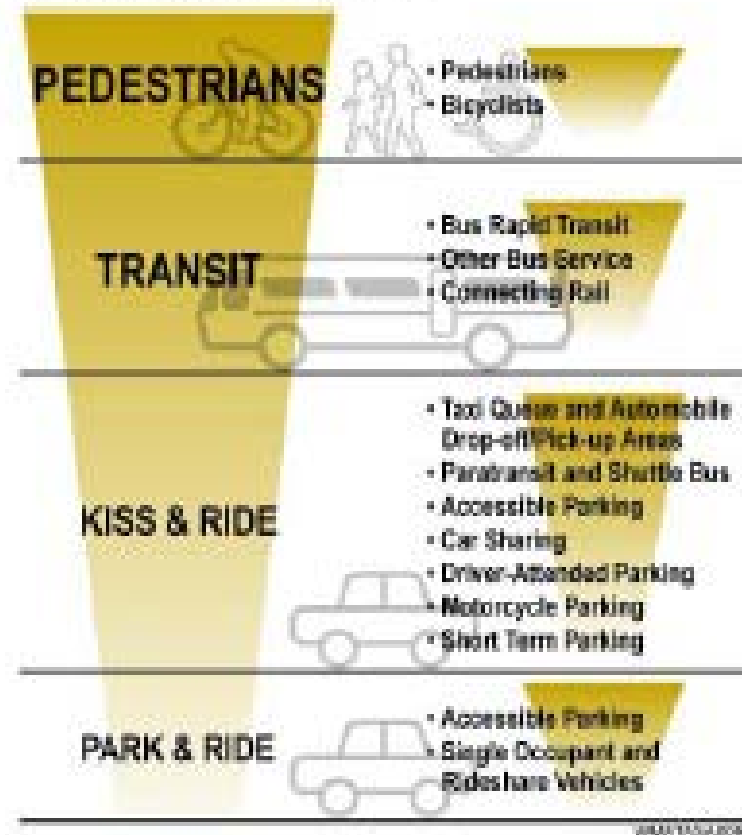
- Federal - “Complete Streets”
 - FHWA Guidance 2010
 - “Go beyond the minimum requirements”
 - ADA, Safe Routes to School
- States – “Complete Streets”
 - VDOT: “Policy for Bicycle and Pedestrian Accommodation” (2004)
 - Secondary Street Acceptance Requirements 2009
 - DDOT: “Action Agenda” (2010)
 - Create a “walk-centric, bike-centric” city

WMATA Policies

(Chapter 1)

- Old policy:
 - First priority to auto access, park & ride
 - Bus access second
 - Pedestrians last
- New policy:
 - pedestrian access first
 - “joint development”
- Bike/Ped Access Study
 - September 2010

FIGURE 1-1: ACCESS HIERARCHY

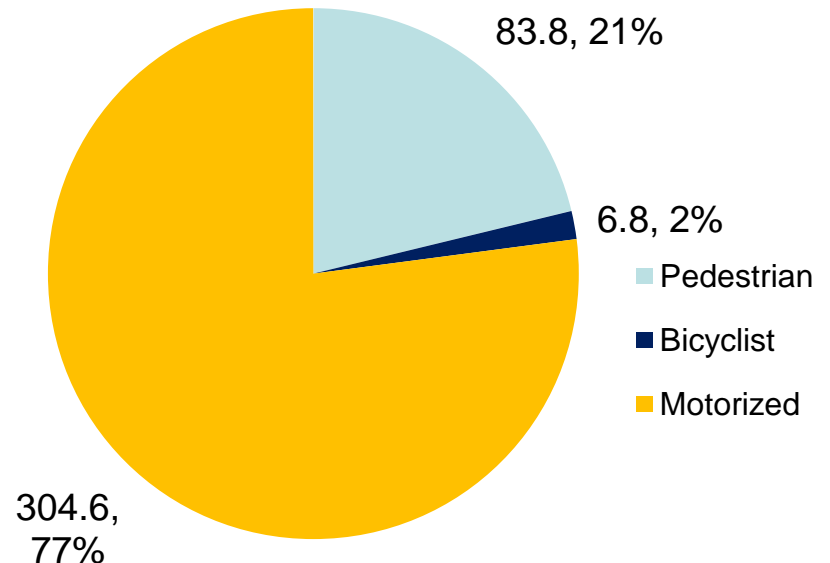


Pedestrian and Bicycle Safety

(Chapter 3)

- Nearly $\frac{1}{4}$ of all traffic deaths
 - Low income, immigrant, inner suburbs especially affected
 - Total traffic deaths are falling, but pedestrian deaths are not
- Street Smart Safety Campaign
- Trail Safety

Chart 3-1: Annual Pedestrian, Bicyclist, and Motorized Fatalities, 2004-2008



Walking and Bicycling Trends

(Chapter 2)

- **Growth in Walking and Bicycling 1994 – 2007/8**
 - Walk trips grew from 7.7% to 8.5% of all trips
 - Bicycling stayed at 0.5%.
 - Grew in the urban core
 - Declined in the outer suburbs
 - Walk and bike grew where there was already a lot of walking and bicycling
 - DC bike counts show peak hour volumes doubled between 2004 and 2009
- **Potential for growth in walking and bicycling**
 - 25% of auto trips were 1.5 miles or less
 - 25% of auto passenger trips were 1.2 miles or less
- **Walking is the usual mode of accessing transit**
 - 62% Metrorail, 80% bus (all day)
 - 33% am peak Metrorail access

Unfinished Business

– Maps

- Current maps in Chapter 7 are the old maps, for illustration only
 - » Outside/inside beltway
- Should map projects completed from 2006 plan
- Cannot map all projects

– Minor appendices

- Links and Resources
- Glossary
- Glossary of Acronyms
- Bibliography
- Table of Contents, List of Tables, Credits page
- Formatting clean-up

– New Cover

Best Practices (Ch. 6)

- Added “J. Encourage Walking and Bicycling”
 - VDOT model project
- New WMATA language
 - Page 6-7
 - Bike share, bike parking, “eliminate the need to bring the bike on the train”
 - But “If/when capacity constraints permit, expand the hours when bicycles are permitted on Metrorail

Schedule

- TPB Tech, July 9
- CAC, July 15th
- B/P Subcommittee July 20th
 - Conference call to approve maps, cover
- TPB Tech, September 3rd
- Final draft to be approved by TPB, September 15th

Follow-On Actions

- Annual Database Updates
 - Measure progress
 - Tool for generating lists of “ready to go” projects
- Annual Progress Reports to TPB
 - Projects completed
 - Other indicators as data is available
- Plan Updates
 - Every 4 years
 - General information for bicycle and pedestrian planning in the region
 - Changes in best practices, goals