

The Regional Bicycle and Pedestrian Network in 2035

The *Bicycle and Pedestrian Plan for the National Capital Region* includes approximately 330 bicycle and pedestrian facility improvement projects from across the region. If every project in the plan is implemented, in 2035 the region will have added approximately 500 miles of bicycle lanes and 625 miles of shared-use path. The overall network length (allowing for some dual bike lane/sidepath facilities) will increase by over 1000 miles.

In addition, hundreds of miles of signed bicycle routes (with no other improvements beyond signing) will be created. In some cases roads are designated for improvement as bicycle routes, but the exact nature of the improvement – sidepath, bike lane, or signed route – has not yet been determined.

Eighty pedestrian intersection improvements will be carried out, and six pedestrian/bicycle bridges or tunnels will be built. A new bicycle and pedestrian crossing over the Potomac will be created, at the American Legion and Bridge, and the bridges over the Anacostia River will be improved for pedestrians and bicyclists. In addition, twenty-one major streetscaping projects will improve pedestrian and bicycle access and amenities in places such as H Street NE, Tysons Corner, Bethesda, Ballston-Rosslyn, and Columbia Pike. Table 7-1 below summarizes the new facility mileage that will be added by 2030 if this plan is implemented in full.

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

Progress Since 2006

71 projects from the 2006 Bicycle and Pedestrian Plan have been completed. This total does not count projects on which significant progress has been made, unless for reporting purposes the project was split into phases, and the earlier phases reported as “complete”. It is certainly missing some ongoing bike lane striping programs. At the current pace the region will have completed about 300 miles of shared use path, or a little over one third of the planned total, by 2035. The pace of construction of bicycle lanes, while certainly faster than reflected here, will also not result in completion of the planned network of bicycle lanes by 2035.

At the same time sixteen pedestrian intersection improvements were completed, nine streetscaping projects, and five pedestrian bridges or tunnels.

Notable projects finished since 2006 include the pedestrian bridge over Route 50 at 7 corners, the Woodrow Wilson Bridge, the College Park Trolley Trail, and the DC Bike Station at Union Station.

Mileage of sidewalks is not tracked, but there are ongoing sidewalk retrofit programs in all the major inner jurisdictions. Privately provided facilities are also not counted.

Of the 71 projects completed, 38 had a total reported cost of \$61,328,000. The rest were part of a larger project, or had no cost reported.

Cost Estimates

Cost estimates were provided by the agencies for about 30% of the planned projects. For most of the planned projects that have not yet been designed, no meaningful project-level estimates can be made. Many of the projects which have cost estimates are part of a larger project. In a combined project it is nearly impossible to disentangle the portion of the cost attributable to bicycle or pedestrian features. For completed projects, we have the same problem, with many bicycle and pedestrian projects incorporated into larger projects. As “complete streets” policies become the rule, an increasing proportion of pedestrian and bicycle facilities are likely to be provided as part of larger transportation projects.

Given the difficulties of getting actual cost estimates for each project, we have imputed regional costs for the plan based on an assumed typical cost per mile or per project. The total cost of improvements listed in the plan is estimated at about \$1 billion (2010 dollars).

Facility Type	Average Imputed Cost per Mile or per Project	Miles or Number of Projects with 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

Explanation of Project listings

Appendix A lists the plan projects, organized alphabetically by state and jurisdiction. Facility type, responsible agencies, limits, length, and cost are also included. Note that due to the nature of bicycle and pedestrian facility improvements, the list in Appendix A is expected to change annually, as projects are added or removed.

The project list is drawn from a database that includes more extensive information, including project status, agency project ID number, facility lengths, facility alignment, description, project status, project web site, date of (projected) completion, date the record was last updated, and project manager name and contact information. Agency staff may enter via a password-protected web site to enter, edit, and delete project information, making the process of keeping the database accurate simple. Over time the database should prove useful in tracking the progress of projects. A sample database entry and a data dictionary are found in Appendix B.

This project list is intended to be a list of significant planned bicycle and pedestrian projects in the Washington region. Agencies were encouraged to submit projects for inclusion if they were one mile or more in length, or cost more than \$400,000. Small sidewalk projects were not included unless they were part of a larger pedestrian or bicycle project.

Figures 7-1 and 7-2 show the location of major bicycle and pedestrian projects throughout the region. (sample maps for illustration only at this point) All pedestrian/bicycle bridge or tunnel projects, multi-use paths greater than three miles in length, and projects estimated by their sponsors to cost more than \$500,000 are mapped, except for area projects that cannot be mapped in a meaningful way. About a quarter of the plan projects are mapped. Project details can be found in the project list in Appendix A.

Table 7-3 lists the mapped projects. Project numbers are sequential but not continuous because not all projects are mapped.

Table 7-3: Mapped Bicycle and Pedestrian Projects (retained for example – will change)			
Project Number	Project Name	Project Type	TIP
1	Anacostia Riverwalk Trail	Shared-Use Path	Y/N
6	Dalecarlia Parkway Trail Design	Shared-Use Path	

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7	Metropolitan Branch Trail	Shared-Use Path	
8	New Pedestrian Bridge over Anacostia Freeway	Pedestrian/Bicycle Bridge	
9	Oxon Run Trail Restoration	Shared-Use Path	
10	Pedestrian Tunnel	Pedestrian/Bicycle Bridge	
11	Rock Creek Park Trail	Shared-Use Path	
15	Union Station Bike Station	Bicycle Parking	
16	Watts Branch Trail	Shared-Use Path	
17	College Park Trolley Trail	Shared-Use Path	
19	American Legion Bridge	Pedestrian/Bicycle Bridge	
22	Bel Pre Road - East	Shared-Use Path	
23	Bethesda Bikeway and Pedestrian Facilities	Streetscape	
24	Bowie Mill Road	Bike Lane	
26	Briggs Chaney Road East	Shared-Use Path	
27	Briggs Chaney Road West	Bike Lane	
29	Clarksburg Road (MD 121)/Stringtown Road	Shared-Use Path	
30	Clopper Road/Diamond Avenue (MD 117)	Shared-Use Path, Bike Lane	
35	Darnestown Road (MD 28) - North	Shared-Use Path, Bike Lane	
36	Democracy Boulevard	Shared-Use Path	
44	Falls Road (MD 189)	Shared-Use Path	
47	Forest Glen Pedestrian Bridge	Pedestrian/Bicycle Bridge	
49	Frederick Road (MD 355) - Upcounty	Shared-Use Path	
50	Georgia Avenue (MD 97) - North	Shared-Use Path	
53	Germantown Road (MD 118)	Shared-Use Path	
56	Goshen Road/Brink Road	Shared-Use Path	
60	ICC Bike Path	Shared-Use Path	
64	Macarthur Boulevard	Shared-Use Path	
Project Number	Project Name	Project Type	
66	Matthew Henson Trail	Shared-Use Path	
71	Mid-County Highway	Shared-Use Path	
74	Muddy Branch Road	Shared-Use Path	
75	Muncaster Mill Road (MD 115)/Norbeck Road	Shared-Use Path	
80	New Hampshire Avenue	Shared-Use Path	
107	River Road (MD190)	Shared-Use Path	
112	Seven Locks Road	Shared-Use Path	
120	University Boulevard	Shared-Use Path	
131	Addison Road	Bike Lane	
133	Anacostia River Trail (Prince George's)	Shared-Use Path	
134	Auth Road	Shared-Use Path	
138	Cabin Branch Trail	Shared-Use Path	
140	Chesapeake Beach Rail-Trail	Shared-Use Path	
142	Collington Branch	Shared-Use Path	
144	Folly Branch Trail	Shared-Use Path	
148	Henson Creek Trail Extension	Shared-Use Path	
150	MD 193	Shared-Use Path, Bike Lane	
156	Piscataway Creek Trail	Shared-Use Path	

158	Prince George's Connector	Shared-Use Path	
159	Ritchie Marlboro Road	Shared-Use Path	
160	Suitland Parkway Trail	Shared-Use Path	
162	Tinkers Creek Trail	Shared-Use Path	
164	US 1	Shared-Use Path, Bike Lane	
167	Western Branch Trail	Shared-Use Path	
168	Woodrow Wilson Bridge	Pedestrian/Bicycle Bridge	
170	Ped-Bike Bridge over I-270 on MD28	Pedestrian/Bicycle Bridge	
180	George Washington Parkway Crossing	Pedestrian/Bicycle Bridge	
182	I-395 Shirlington Underpass, Four Mile Run Trail	Pedestrian/Bicycle Bridge	
183	Old Dominion Drive	Streetscape/Pedestrian	
184	Old Jefferson Davis Highway/Mt. Vernon Trail CO	Pedestrian/Bicycle Bridge	
187	Route 110 Trail	Shared-Use Path	
190	VA 120 (Glebe Road)	Streetscape/Pedestrian	
193	Washington Boulevard Trail Phase II	Shared-Use Path	
195	Mount Vernon Trail Extensio	Shared-Use Path	
197	Chambliss Stream Crossing	Pedestrian/Bicycle Bridge	
198	Duke Street Pedestrian Bridge	Pedestrian/Bicycle Bridge	
200	Eisenhower Trail	Shared-Use Path	
202	King Street/Beauregard/Walter Reed Interchange	Pedestrian Intersection Improvement	
207	Woodrow Wilson Bridge - VA	Pedestrian/Bicycle Bridge	
208	Accotink Gateway Connector Trail	Shared-Use Path	
223	Columbia Pike	Shared-Use Path	
224	Cross County Trail	Shared-Use Path	
225	Danbury Forest	Pedestrian/Bicycle Bridge	
229	Fairfax County Parkway Trail	Shared-Use Path	
Project Number	Project Name	Project Type	
234	Georgetown Pike Trail	Shared-Use Path	
264	Fairfax County Parkway Trail	Shared-Use Path	
234	Georgetown Pike Multi-Use Path	Shared-Use Path	
235	Great Falls Street Trail	Shared-Use Path	
242	Lee Highway	Shared-Use Path	
260	Little River Turnpike	Pedestrian Intersection Improvement	
298	Richmond Highway Pedestrian and Bicycle Improvements	Pedestrian Intersection Improvement	
308	Trap Road	Pedestrian/Bicycle Bridge	
312	US 50 Install Median Barrier and Fence	Streetscape/Pedestrian	
313	US 50 Pedestrian Bridge	Pedestrian/Bicycle Bridge	
357	US 50 Pedestrian Improvements	Streetscape/Pedestrian	
322	Old Ox Road Widening	Shared-Use Path	
324	VA 846 Sterling Boulevard	Streetscape/Pedestrian	
325	W&OD Trail Extension	Shared-Use Path	
335	Route 123 Widening	Shared-Use Path	
337	Bus 234 Add Signalized Crosswalks	Streetscape/Pedestrian	

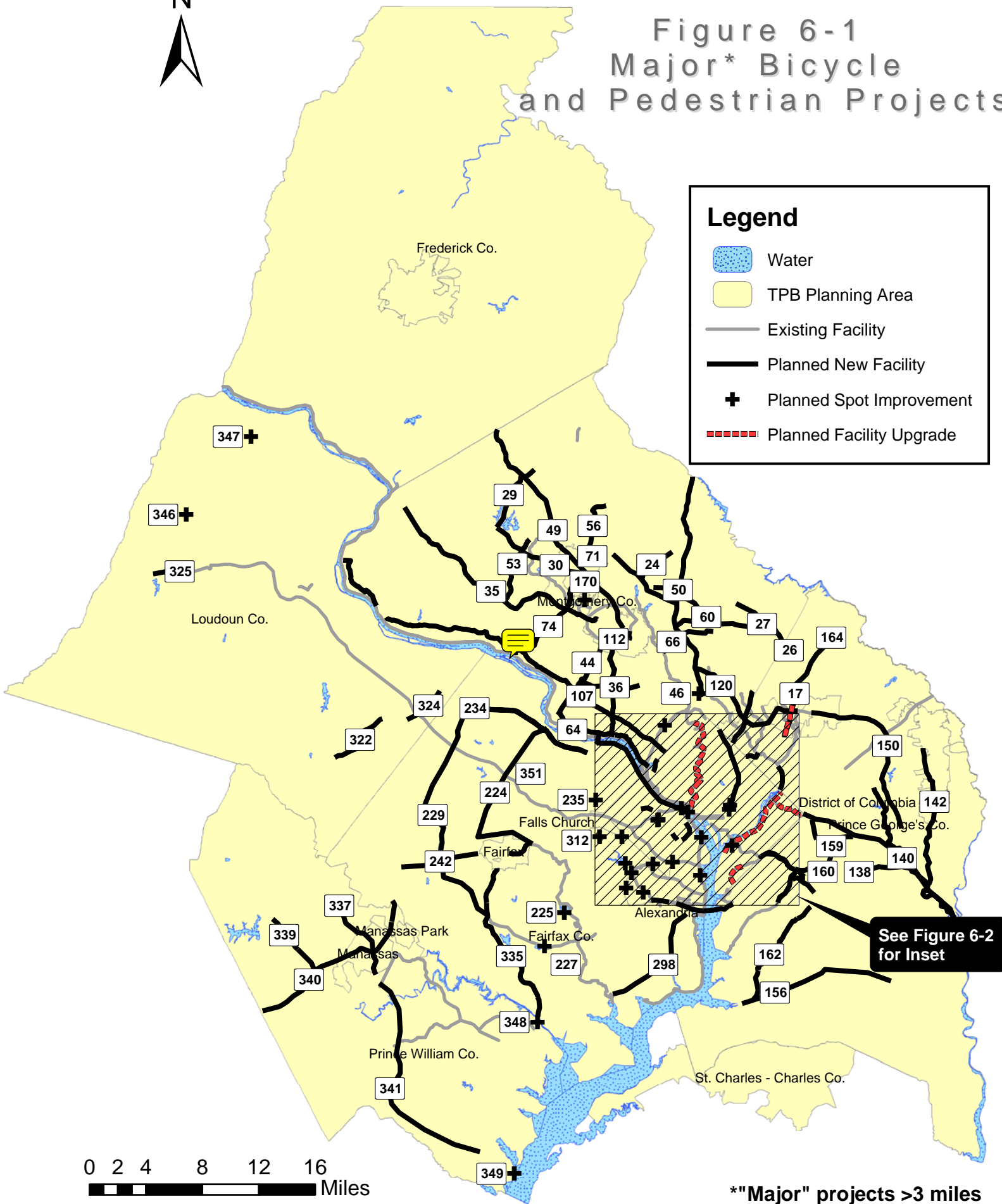
339	Linton Hall Road Widening	Shared-Use Path	
340	Route 28 Trail Extension	Shared-Use Path	
341	VA 234 Bike Trail	Shared-Use Path	
346	Pedestrian Study and Improvements	Streetscape/Pedestrian	
347	Ped and Bike Path Network	Streetscape/Pedestrian	
348	Riverfront Boardwalk	Streetscape/Pedestrian	
349	Potomac Avenue	Streetscape/Pedestrian	
352	Rosslyn Circle Crossing	Streetscape/Pedestrian	
353	Theodore Roosevelt Bridge	Pedestrian/Bicycle Bridge	



Figure 6-1 Major* Bicycle and Pedestrian Projects

Legend

- Water
- TPB Planning Area
- Existing Facility
- Planned New Facility
- Planned Spot Improvement
- Planned Facility Upgrade



0 2 4 8 12 16
Miles

***"Major" projects >3 miles
in length or >\$400,000**

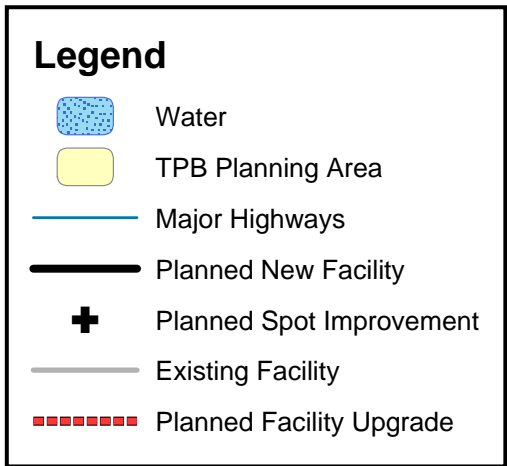
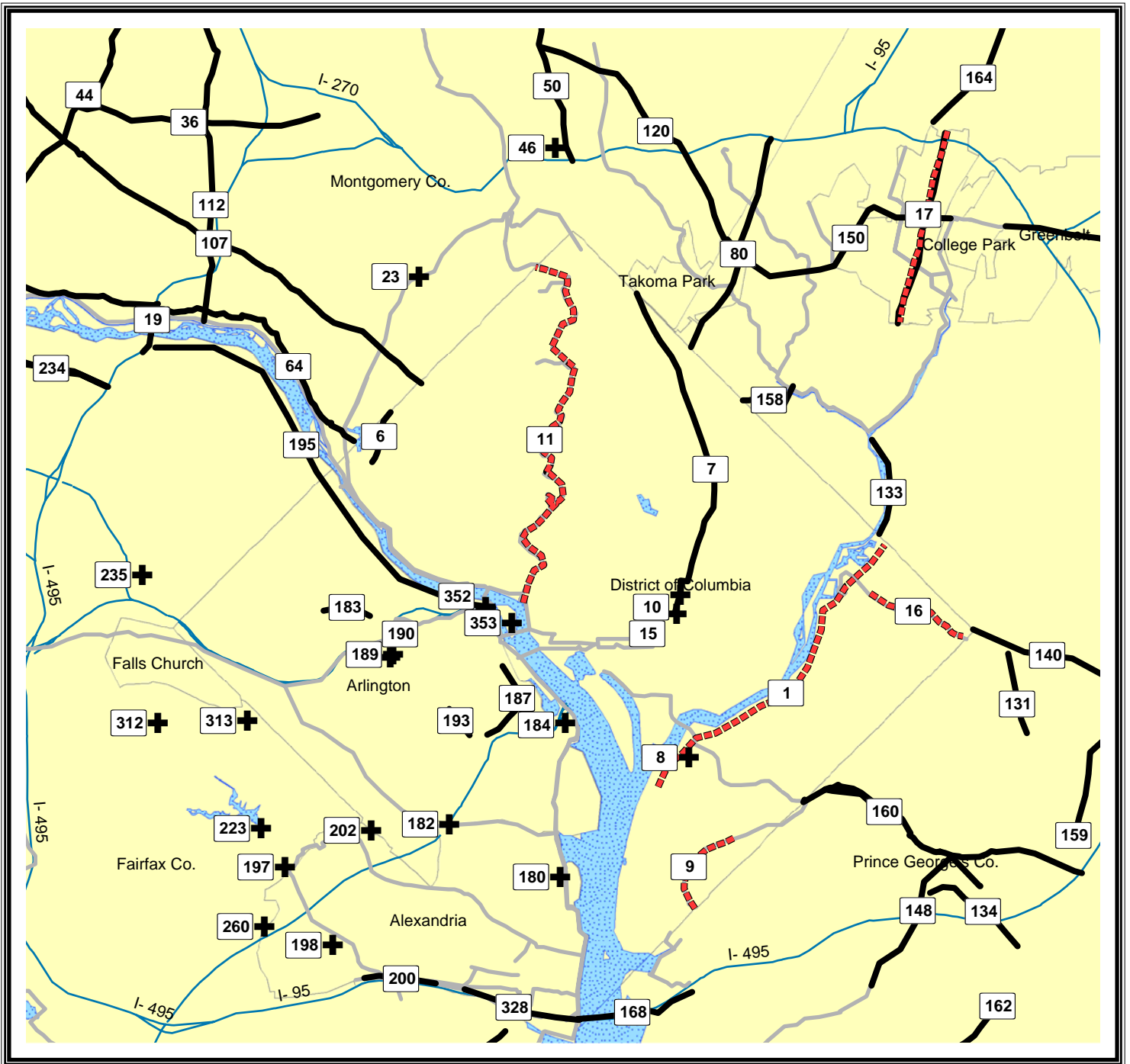
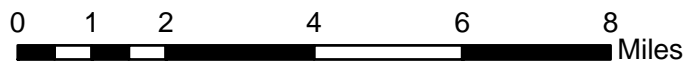


Figure 6-2: Major* Bicycle and Pedestrian Projects in the Central Washington Region



*"Major" projects > 3 miles in length or > \$400,000