

Item 14: Briefing on the Draft Update of the Bicycle and Pedestrian Plan for the National Capital Region

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Presentation to the
National Capital Regional Transportation Planning Board
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Background

- Update to the 2010 Plan
 - Updates Every Four Years
- Advisory to the CLRP
 - Not financially constrained
- Identifies:
 - Planned major bicycle and pedestrian projects through 2040
 - “Recommended Practices”
 - Goals and Performance Measures
 - From the TPB *Vision* and from *Region Forward*
 - Trends in policy, mode share, & safety

Bicycle and Pedestrian Plan for the National Capital Region



DRAFT November 7, 2014

National Capital Region Transportation Planning Board

Plan Development

- Oversight
 - Bicycle and Pedestrian Subcommittee of the TPB Technical Committee
- Project listings
 - Submitted by state and local jurisdictional staffs
 - On-line database
 - As of (roughly) June - October 2014
- Criteria for including projects:
 - Of a size and scope to be regionally significant
 - Regional connectivity
 - Access to transit, pedestrian safety

2014 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: Recommended Practices
- Chapter 7: The 2040 Network

New Since 2010:

Bigger Plans

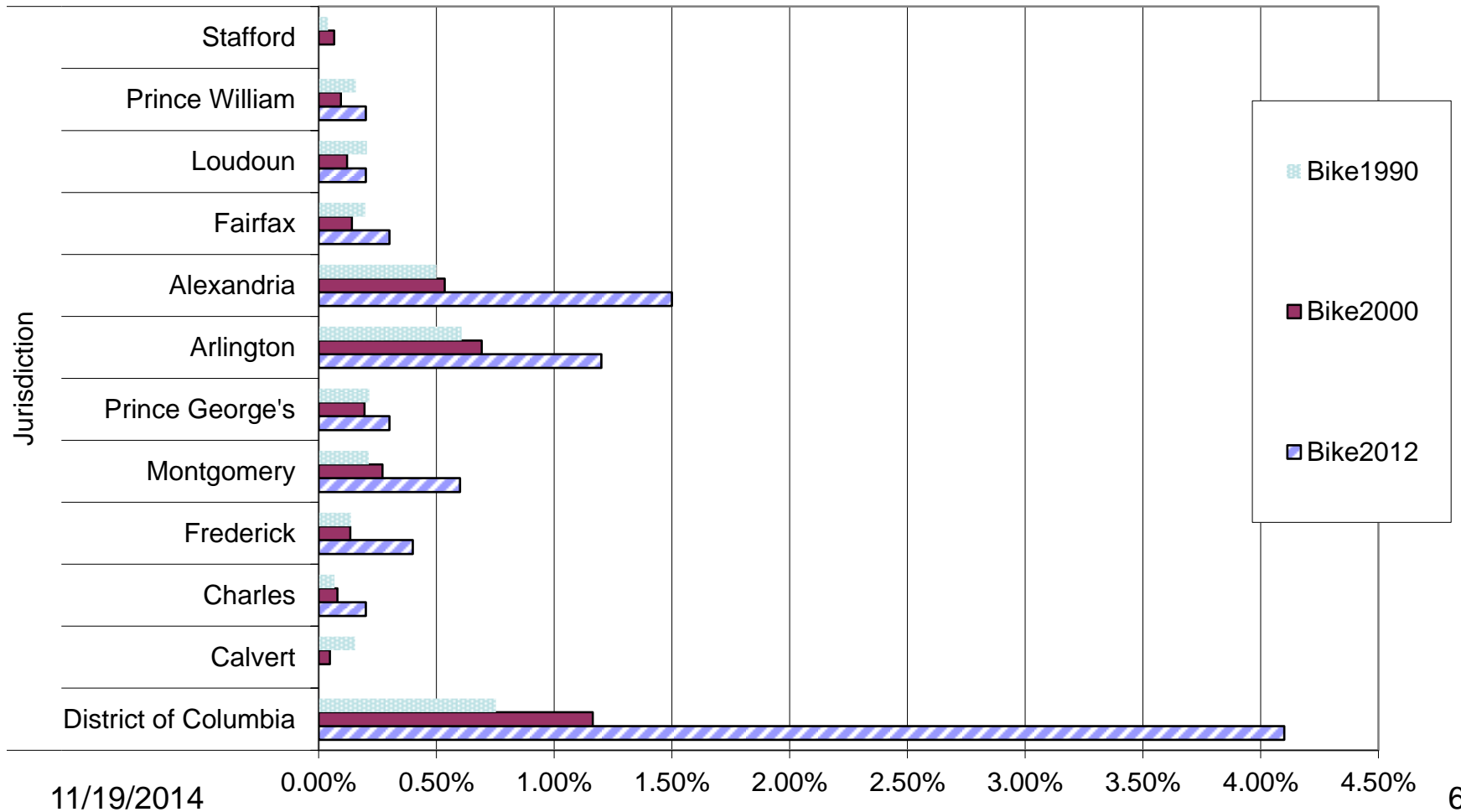
(Chapter 1)

- **Regional Transportation Priorities Plan**
- **MAP-21**
 - Transportation Alternatives Program
- **TIP**
 - B/P funding increased from 1% of total in FY 2010-2015 to 2% of total in FY 2015-2020
- **Access to Metrorail**
 - Metrorail Expansion
- **Complete Streets**
 - Regional Policy
 - State and Local Policies

More Bicycling

(Chapter 2)

Chart 2-15: US Census - Percentage of Workers Biking to Work



Better Metrorail Access

| Table 2-8: Mode of Access to Metrorail - % of Daily Total | 2012 | 2007 | AM Peak - 2012 | AM Peak - 2007 |
|---|-------------|-------------|----------------|----------------|
| Bus | 15.3 | 15.6 | 21.9 | 22.2 |
| Auto Driver | 12.6 | 13.7 | 25.6 | 29.3 |
| Auto Passenger (drop off) | 4.5 | 5.5 | 7.8 | 9.3 |
| Rode with someone who Parked | 0.5 | 0.6 | 0.9 | 1 |
| Bike | 0.7 | 0.5 | 1.0 | 0.7 |
| Walk | 62.2 | 62.1 | 37.3 | 33.3 |
| Commuter Rail | 1.5 | 1.7 | 3.5 | 3.8 |
| Shuttle | 2.5 | n/a | 2.0 | n/a |
| Taxi | 0.2 | 0.2 | 0.1 | 0.2 |

MEDICAL CENTER BEFORE AND AFTER, REPLACING OLD RACKS



VIENNA STATION BEFORE AND AFTER, NEW ACCESS POINT

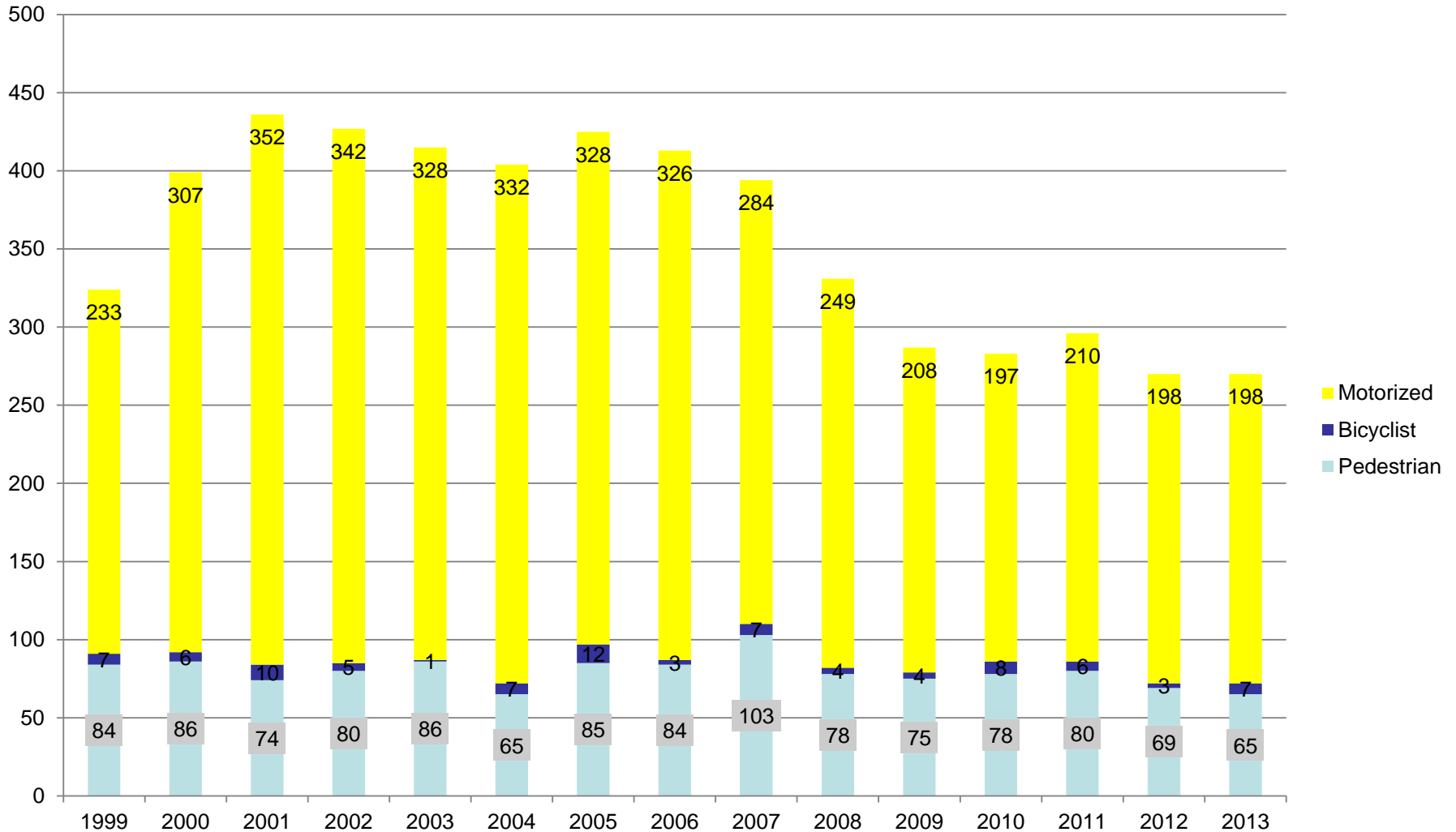


FRANCONIA – SPRINGFIELD BEFORE AND AFTER, NEW SIDEWALK TO IMPROVE SAFETY

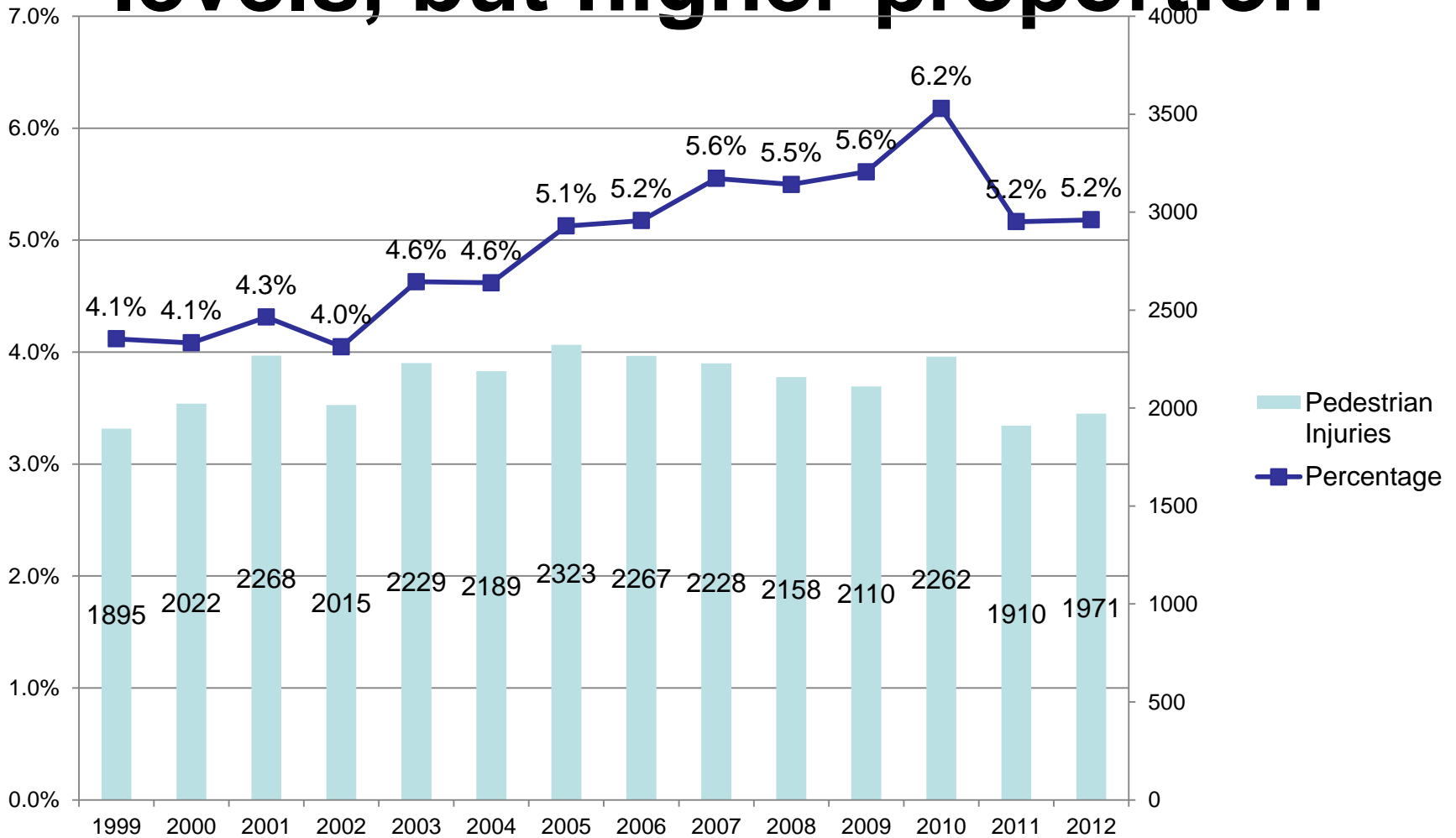


Safety: Fewer Fatalities

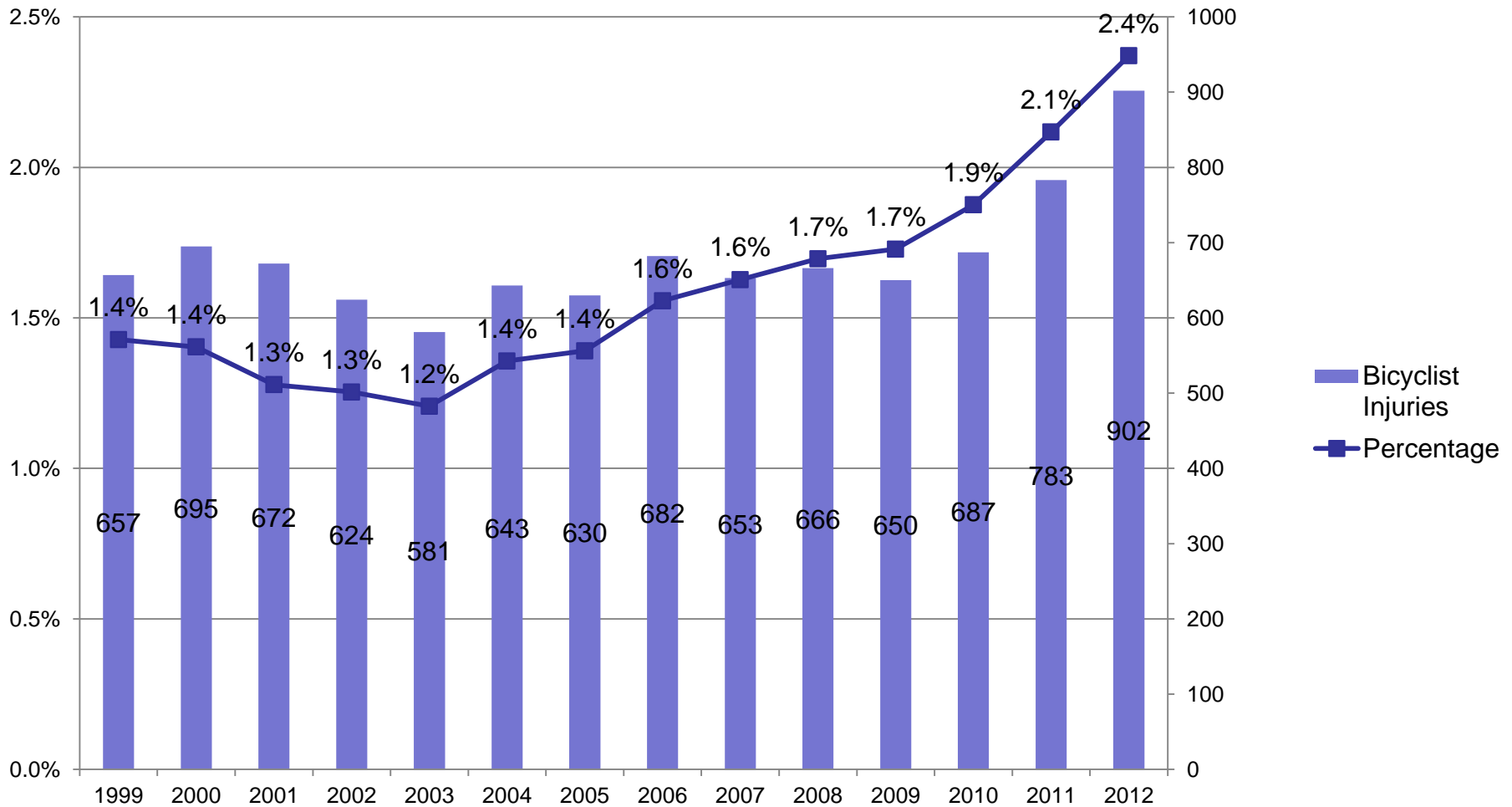
(Chapter 3)



Pedestrian Injuries: Same levels, but higher proportion



Bicyclist Injuries: Higher numbers but lower rates



New Bike Facility Types

(Chapter 4)

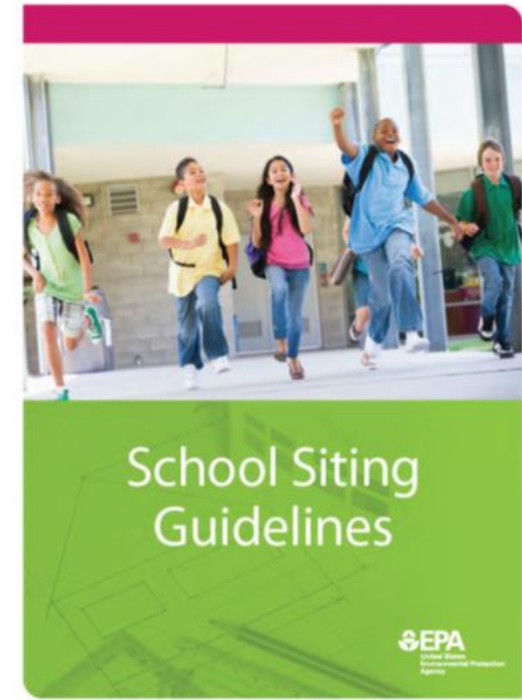
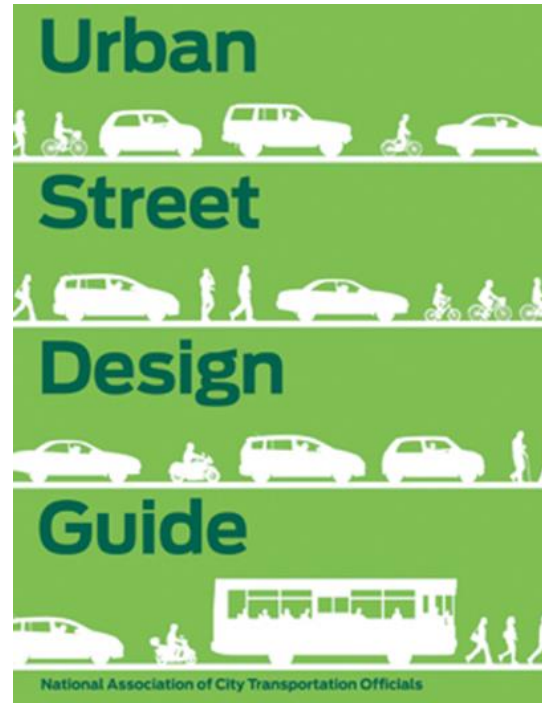
- Protected Bike Lanes
 - Physical buffer
 - Attract users of all ages and abilities
- Green Bike Lanes
- Buffered Bike Lanes
- Bike Corrals
- Metrorail Bike & Ride Facilities



New Recommended Practices

(Chapter 6)

- NACTO [Urban Street Design Guide](#) and [Urban Bikeway Design Guide](#)
- EPA School Siting Guidelines
- ITDP Bike Share Planning Guide



More Planned Facilities

(Chapter 7)

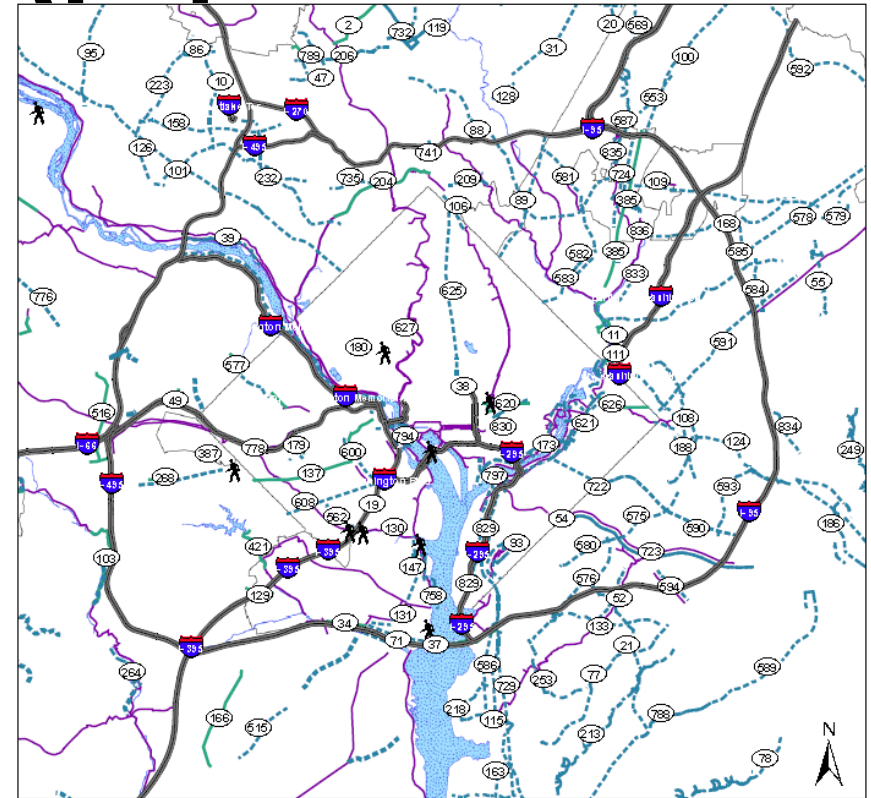
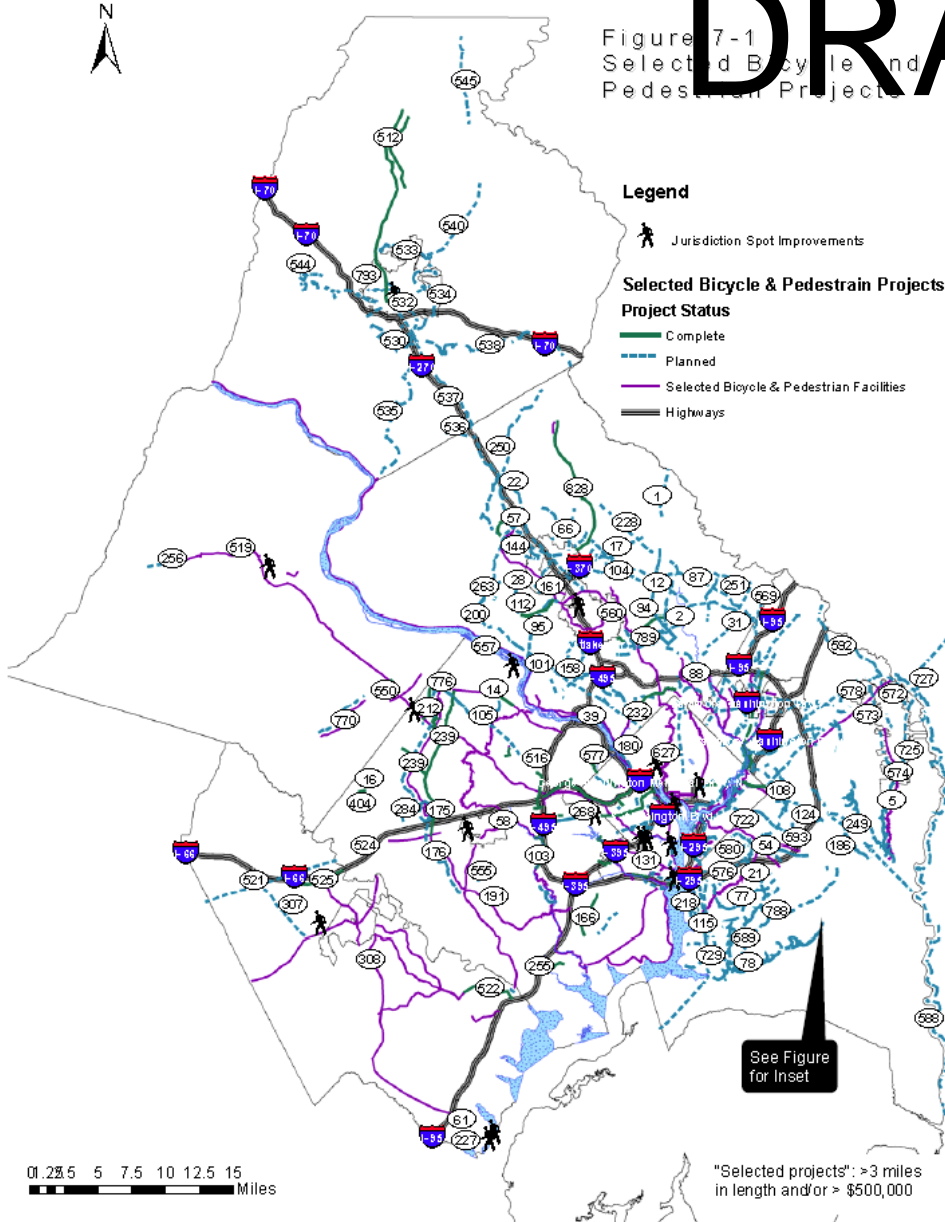
**Table 7-1:
Miles of Bicycle/Pedestrian Facilities
in the Washington Region (estimated)**

| Facility Type | Total in 2005 | Completed 2006-2010 | Completed June 2010 – May 2014 | Planned New Facilities/Upgrades | Total in 2040 |
|-----------------|---------------|---------------------|--------------------------------|---------------------------------|---------------|
| Bicycle Lane | 56 | 35 | 45 | 2090 | 2226 |
| Shared-Use Path | 490 | 53 | 50 | 1990 | 2583 |
| Total | 546 | 88 | 95 | 4080 | 4809 |

- Roughly \$6 billion in new facilities proposed
= Approximately 6% of anticipated regional transportation funding based on FY 2015-20 TIP
- Planned facility mileage is nearly four times what was in the 2010 plan

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Figure 7-1
Selected Bicycle and Pedestrian Projects



00.51 2 3 4 5 6 Miles

Figure 7-2
Selected Bicycle and Pedestrian Projects



"Selected projects": >3 miles in length and/or > \$500,000

Some projects built since 2010



11/19/2014

Follow-On Actions

- On-Line Mapping and Visualization
 - Maps linked to project database
 - Other information can be added
 - More accessible to the public
- Database Updates
 - Every 2 years
- Plan Updates
 - Every 4 years