

# FY 2011 TPB TIGER Grant Application



## TPB Technical Committee

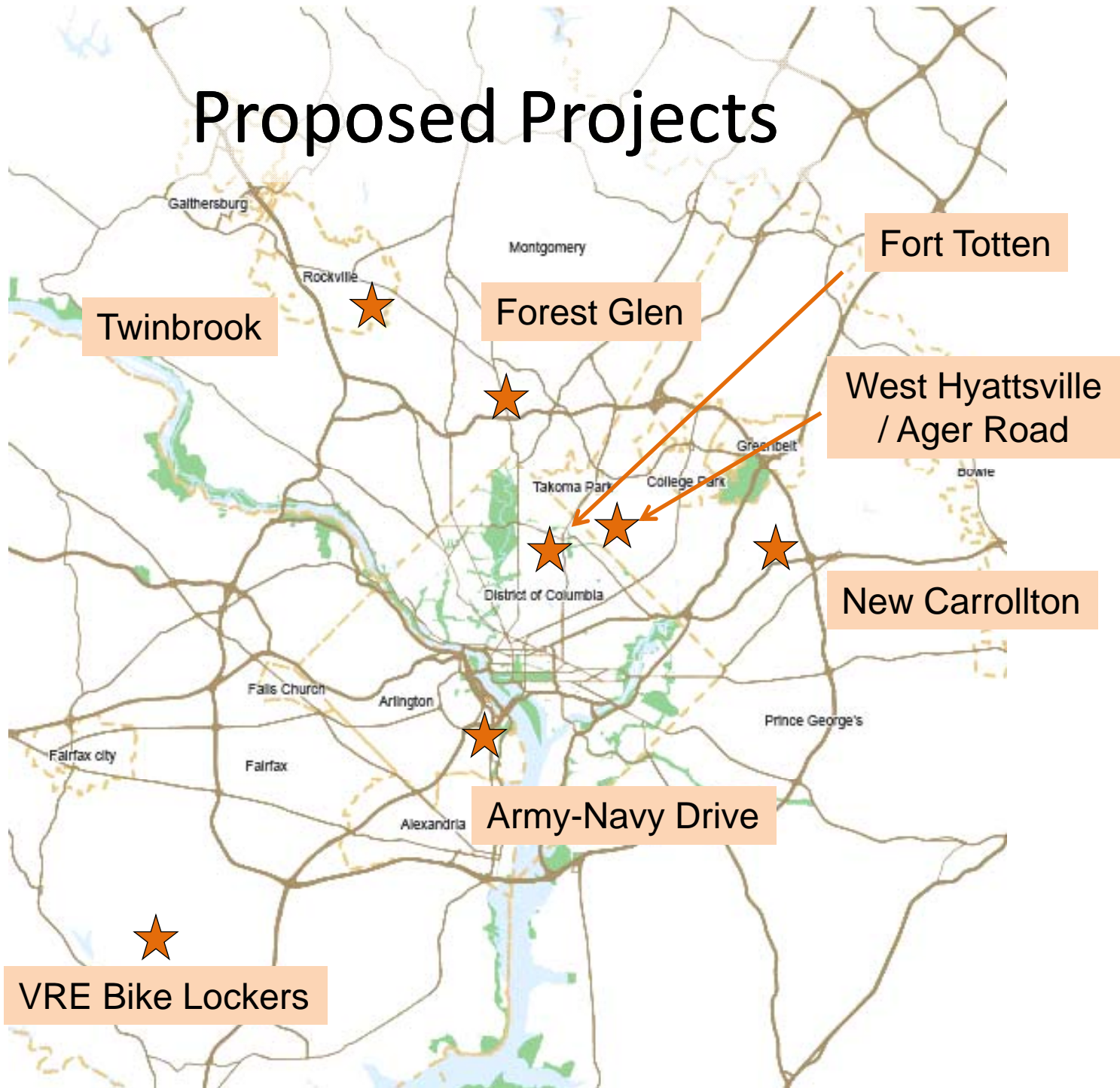
Eric Randall

October 7, 2011

# FY 2011 TPB TIGER Grant Application – Final Steps

- Pre-application submitted Sep. 30 (*due: Oct. 3*)
- Application due: October 31
  - Project narrative (no more than 25 pages)
  - Detailed benefit-cost analysis (BCA)
  - Certifications and assurances
  - Letters of support

# Proposed Projects



Applicant	Project	Description
District of Columbia	Fort Totten	Access and circulation improvements at the station.
Montgomery County	Forest Glen	Pedestrian underpass of Georgia Avenue (MD 97), connecting station to Holy Cross Hospital, and 10 bike-sharing stations.
Prince George's County	New Carrollton	Access improvements for County's #1 TOD site around this metro and passenger rail hub.
Prince George's County	West Hyattsville / Ager Road	Reconstruct Ager Road as a green street with wider, safer sidewalks, new crossings, and other access improvements to the rail station.
City of Rockville	Twinbrook	New crosswalks, curb extensions and other pedestrian improvements as area is re-developed.
Arlington County	Army Navy Drive (Pentagon City)	A wider, safer sidewalk and a physically-separated two-way cycle track, enhancing access to three rail stations, and 10 bike sharing stations .
VRE	Bicycle Lockers	Add bicycle lockers to stations in Fairfax and Prince William Counties, and the Cities of Manassas and Manassas Park.

# FY 2011 TPB TIGER Application

## Funding Summary for Proposed Projects

### District of Columbia

- Federal: \$3,336,840
- Match: \$834,210 (20 %)
- Total: \$4,171,050 (11 %)

### Maryland:

- Federal: \$20,710,498
- Match: \$5,756,937 (22 %)
- Total: \$26,467,435 (70 %)

### Virginia

- Federal: \$5,200,804
- Match: \$1,931,601 (27 %)
- Total: \$7,132,405 (19 %)

### TOTAL:

- Federal: \$29,248,142
- Match: \$8,522,748  
(22.6 %)
- **Total: \$37,770,890**

# TPB TIGER Application Outline

- The project package narrative must be 25 pages or less
- Application Outline:
  - Project Overview,
  - Project Need and Regional Challenges,
  - Proposed Project Package (short project descriptions)
  - Project Parties, Grant Funds and Sources
  - How the project package addresses Selection Criteria
  - Project Readiness, NEPA, and Certifications.
  - Appendices will include:
    - Letters or support
    - Additional information about the project components.
    - Detailed BCA description and model

# Benefit Cost Analysis

- Projects submitted require detailed Benefit-Cost Analysis (BCA), with all benefits and costs quantified.
- Project Selection Criteria:
  - State of Good Repair,
  - Economic Competitiveness,
  - Livability,
  - Environmental Sustainability,
  - Safety, and
  - Job Creation and Near-Term Economic Activity.
  - *Secondary criteria*: Innovation, Partnership.

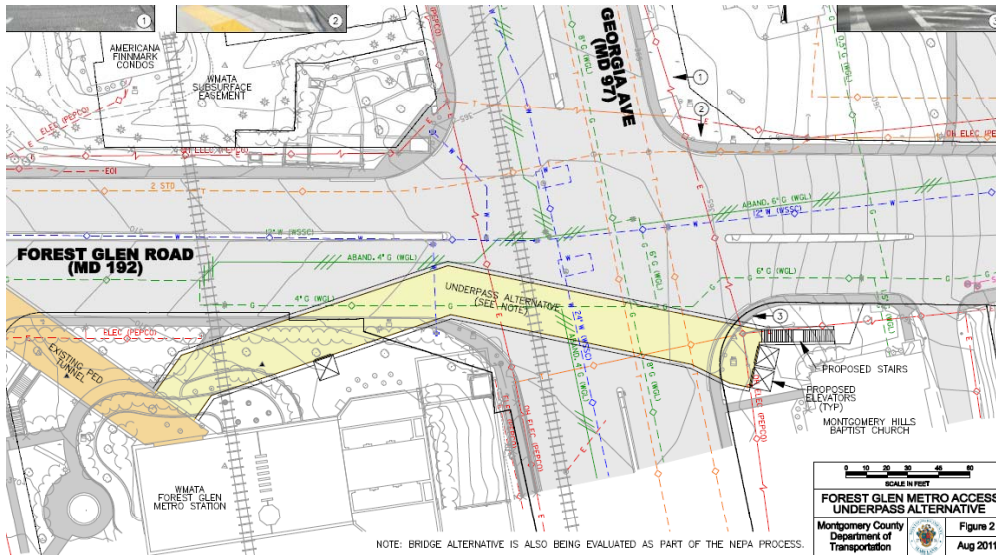
# Benefit Cost Analysis – Data Used

Primary Selection Criteria	Benefit-Cost Analysis Measures
State of Good Repair	<ul style="list-style-type: none"><li>• Reduced Operating &amp; Maintenance Costs</li></ul>
Economic Competitiveness	<ul style="list-style-type: none"><li>• Travel and User cost savings (riders)</li><li>• Lane Use productivity</li></ul>
Livability	<ul style="list-style-type: none"><li>• Accessibility</li><li>• Congestion savings (non-riders)</li><li>• Public Health benefits</li></ul>
Environmental Sustainability	<ul style="list-style-type: none"><li>• Emission reductions</li></ul>
Safety	<ul style="list-style-type: none"><li>• Accident reductions (from reduced VMT and improved Access)</li></ul>

- Analysis of costs and savings during construction and for twenty years following project completion.



# Forest Glen Metro Access Project



## Benefits

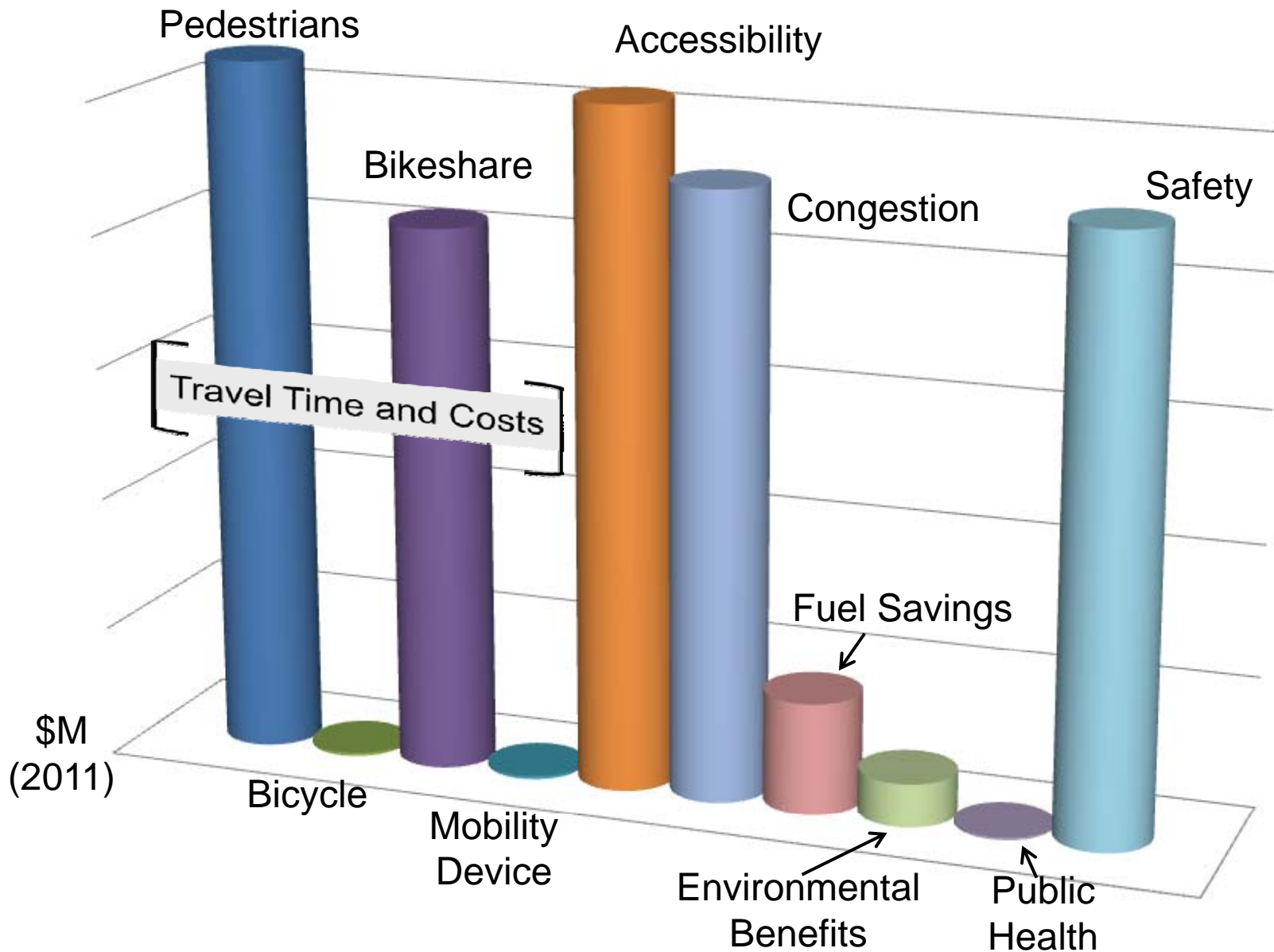
- Increases Overall Safety
- Reduces Travel Costs
- Reduces Congestion
- Improves Accessibility
- Public Health Benefits
- Good for the Environment

## Costs

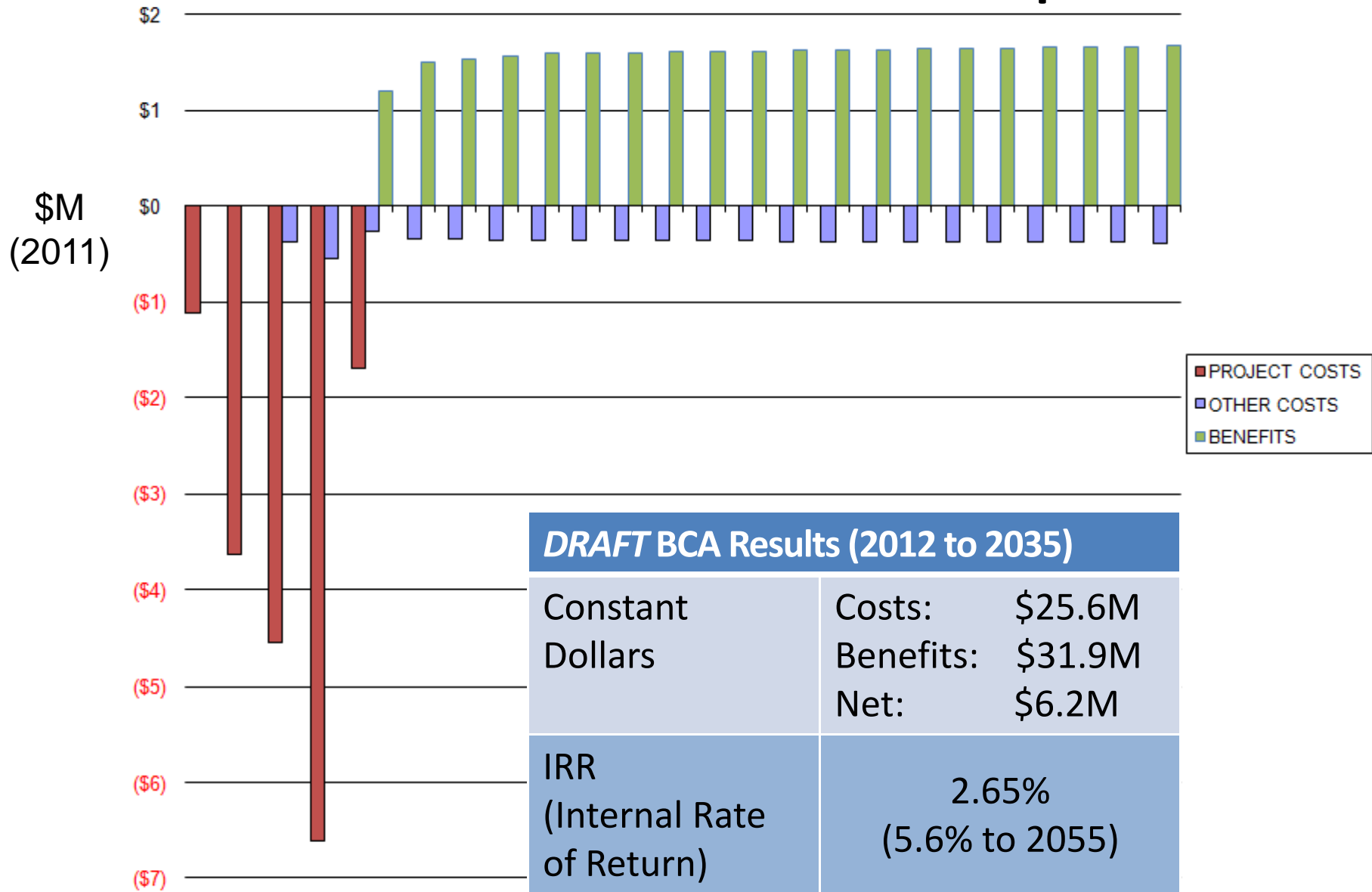
- Construction Costs
- Construction Congestion
- Bicycling Safety

- Construct a pedestrian/bicyclist underpass underneath Georgia Avenue (MD 97) linking Forest Glen Metrorail Station to the sidewalk serving Holy Cross Hospital; and install 10 bikeshare stations.
- Project Cost: \$17,600,000 (46% of proposal)

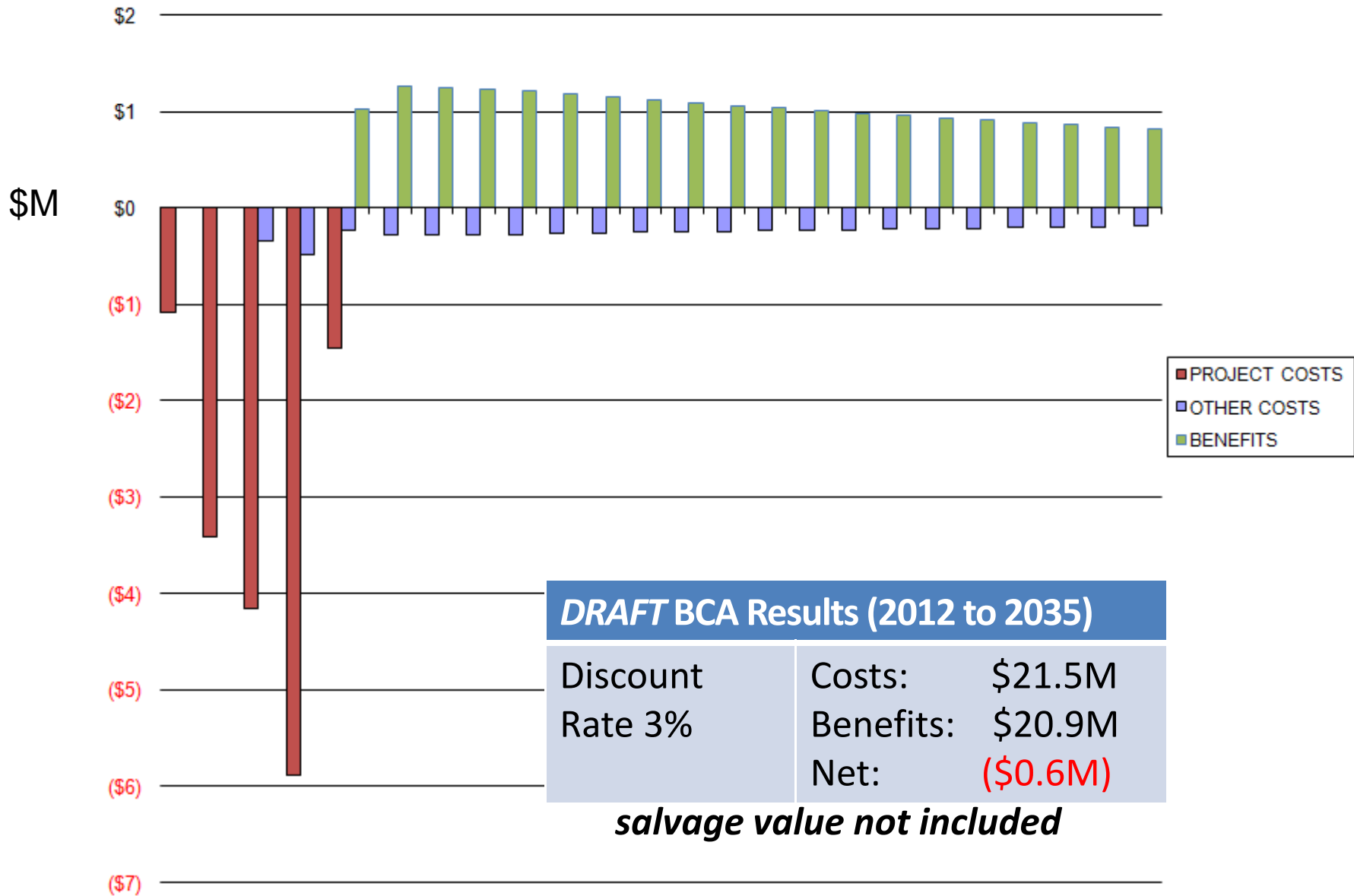
# Forest Glen Metro Access Project – BCA



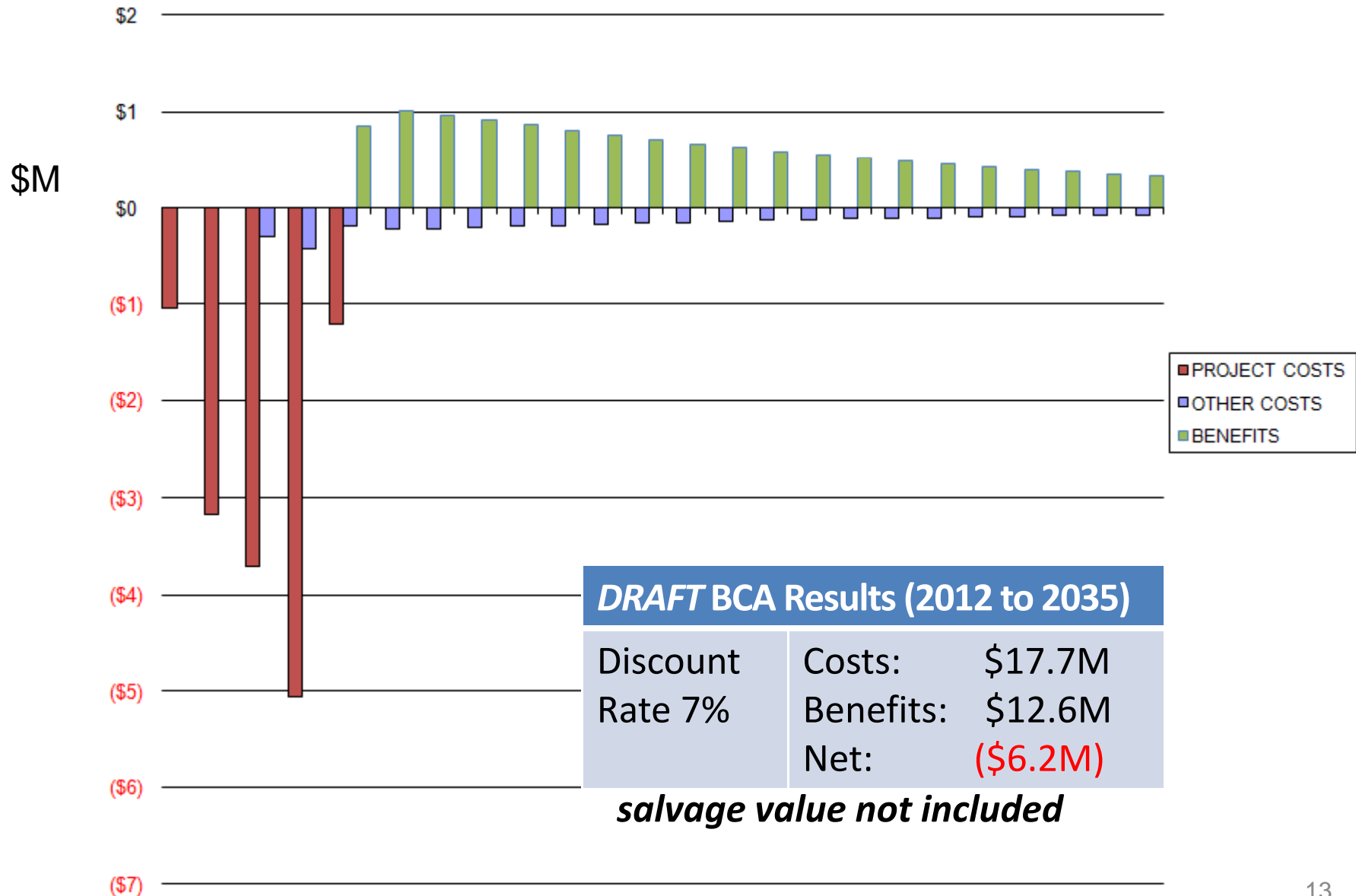
# Forest Glen BCA Graph



# Forest Glen BCA – Discounted at 3%



# Forest Glen BCA – Discounted at 7%



# Benefit Cost Analysis – Next Steps

- Complete for other projects
  - *Still collecting some data*
- Review Results with Project Proposers
- Sensitivity Analysis
  - Changes in Users (riders), Cost factors (e.g., cost of parking), Rate factors (e.g., accident rates), Salvage Value
- Finalize BCA
  - Present to TPB on October 19

# FY 2011 TPB TIGER Grant Application

