



# Update on the Activities of the TPB Bus On Shoulders Task Force

TPB Technical Committee  
January 11, 2013

Eric Randall, DTP

# TPB Task Force: Work Plan



## Task 1 – Summary of Local and Other Experience with BOS

- Evaluate BOS experience in the region and elsewhere, including safety, roadway engineering, and bus service operations aspects as well as federal regulations and state legislation.

## Task 2 – Assessment of the Feasibility of BOS at Specific Locations

- Stakeholder agencies will identify potential corridors for BOS operation on the region's highway network, based on 1) existing highway congestion locations, 2) current bus service, and 3) highway shoulder conditions.

## Task 3 – Analysis of Select Corridors/Routes in the Region

- Identify issues and challenges with safe implementation.
- Conduct a benefit-cost analysis for implementation of BOS service on selected corridors/routes.

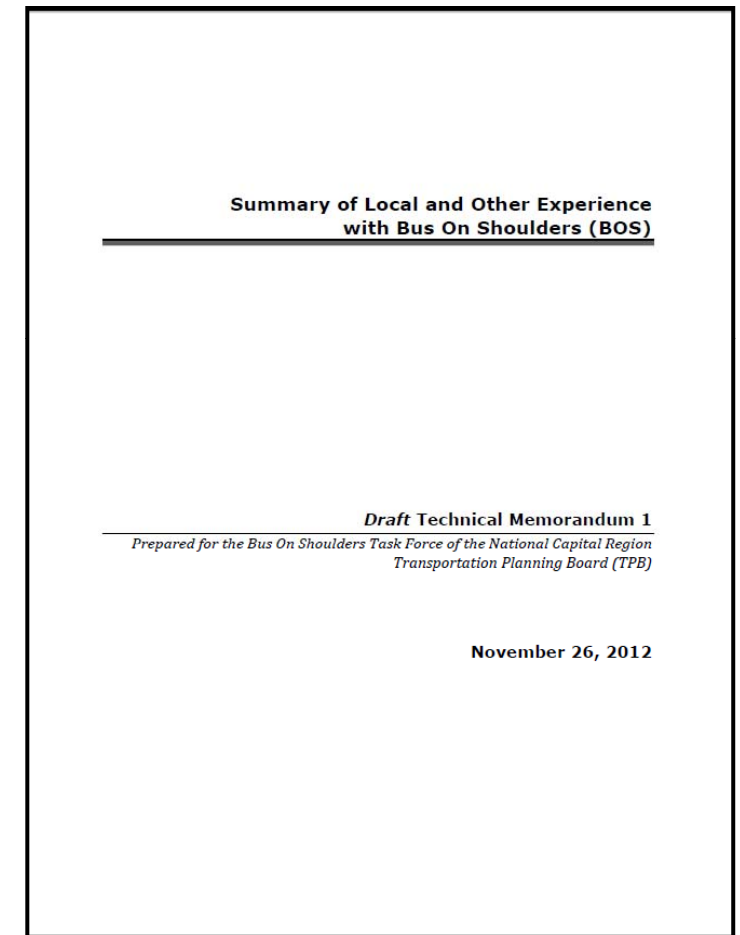
# Task Force Progress

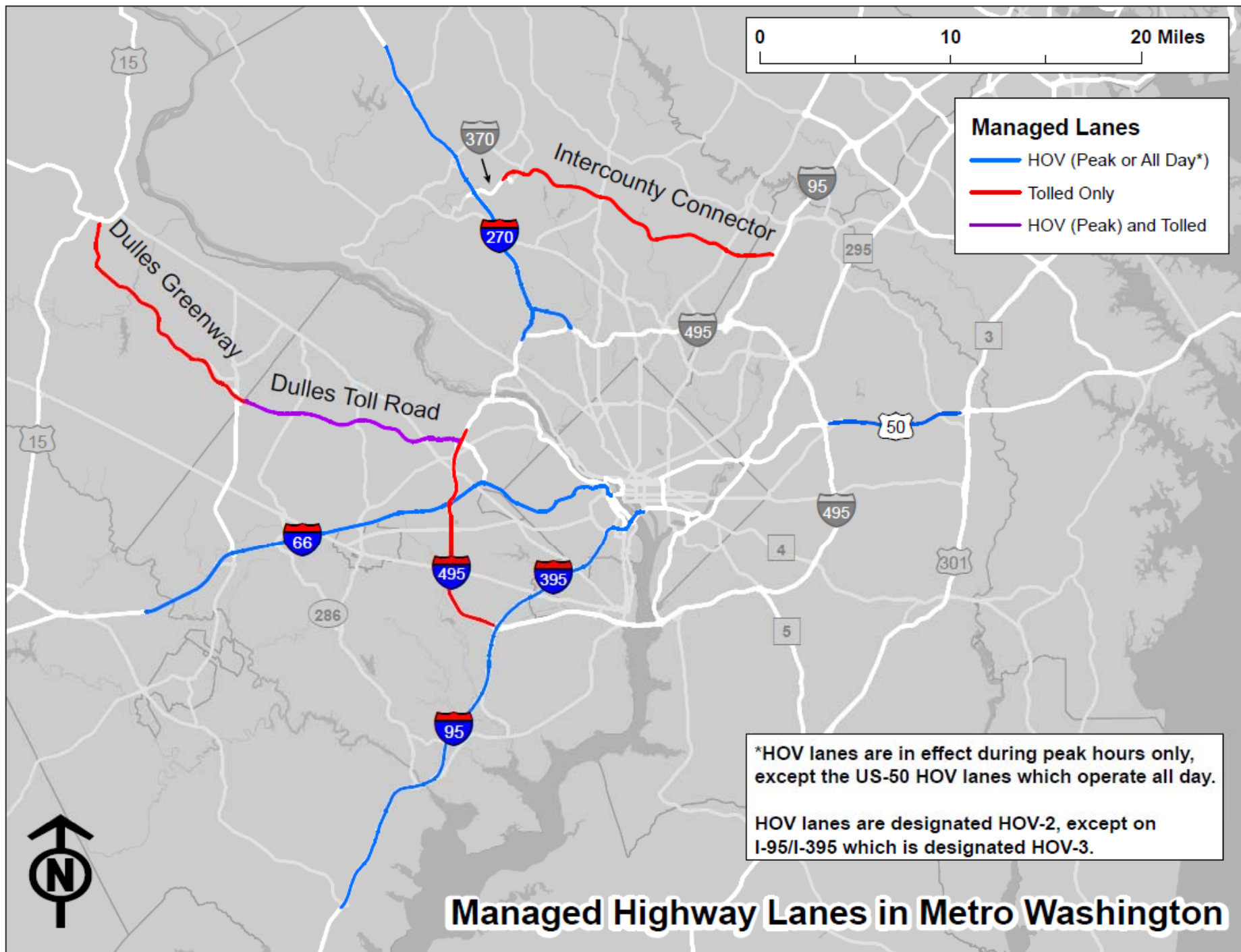
## Task Force Meeting #1 – October 17

- Discussed local and other experience with BOS.
- Requested inputs on corridors to study.

## Draft Technical Memo #1 published November 26

- Summary of local and other experience with key issues: implementation, design, operational, and regulatory.





# Study Corridors

## Maryland

- MD 5/US 301 Corridor in Prince George's and Charles Counties.
- I-270 Corridor from City of Frederick to the Capital Beltway.

## Virginia

- I-66 Inside the Beltway.

Other corridors were suggested, but are not being studied:

- DC-295 – Only potential corridor suggested for the District.
- US-29 corridor (Maryland) – Burtonsville (existing BOS) to I-70.
- MD 355 corridor – Germantown to Rockville.

# Task 2 Process and Methodology

Screen corridors for:

## 1. Current Bus Service Ridership

- Regional Transportation Data Clearinghouse (RTDC)

## 2. Level of Highway Congestion

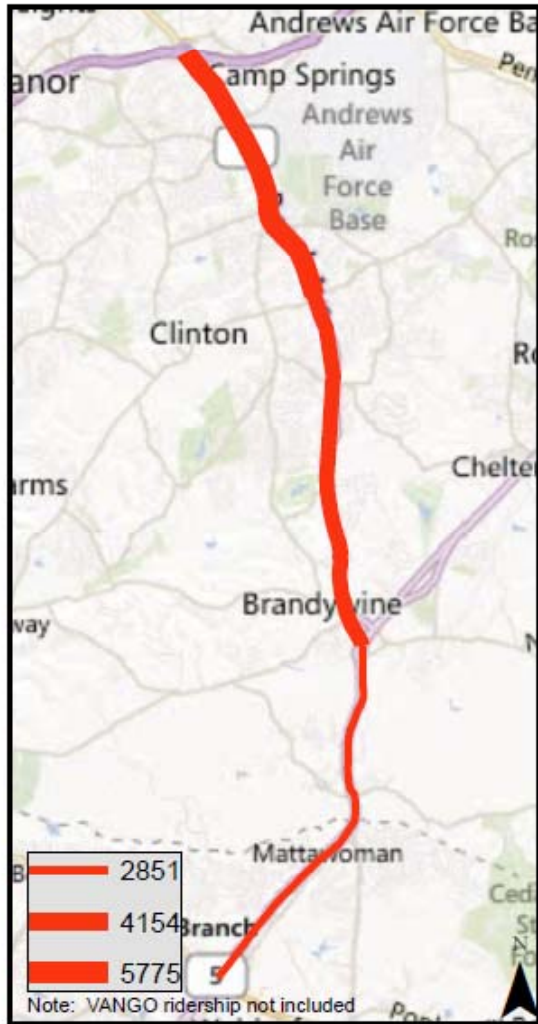
- INRIX data analysis

## 3. Highway Shoulder Conditions

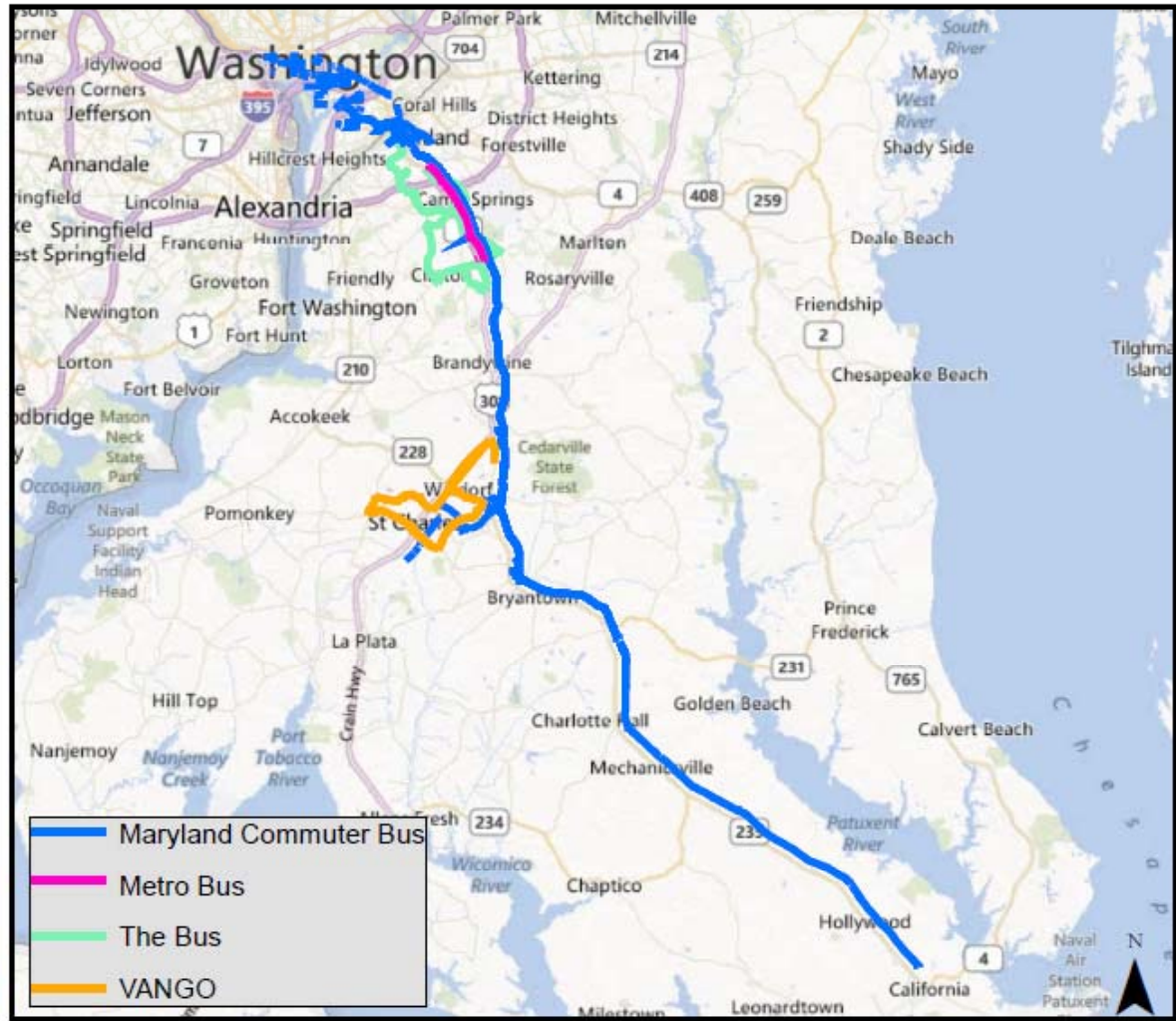
- SHA and VDOT evaluating for their corridors



### Average Weekday Ridership

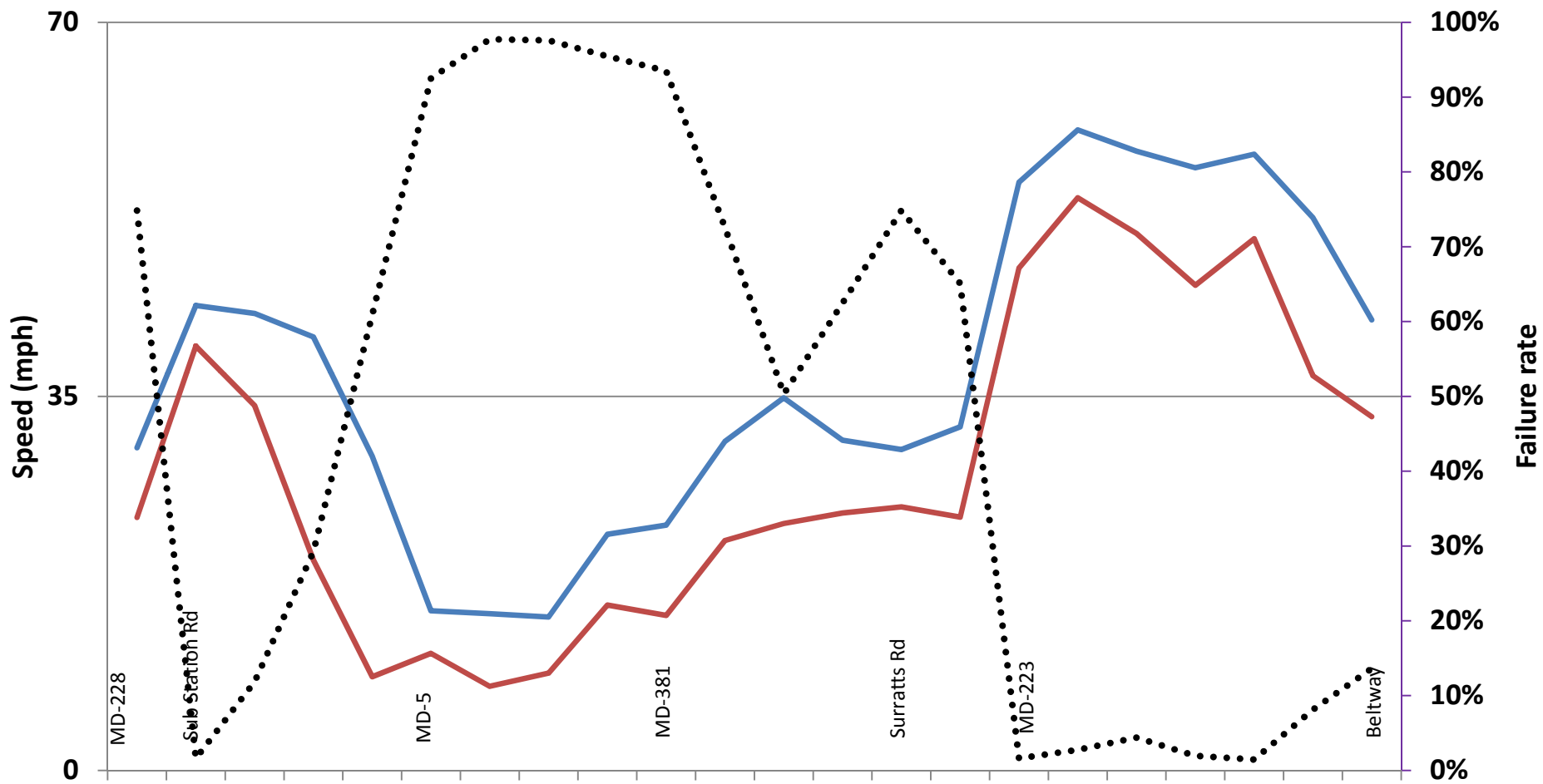


### Bus Routes Serving Corridor



## MD 5 / US 301 Corridor Prince George's and Charles Counties

### 2010 Typical Weekday Speed Profile: US-301/MD-5 NB, AM Peak Hour (7-8 am)

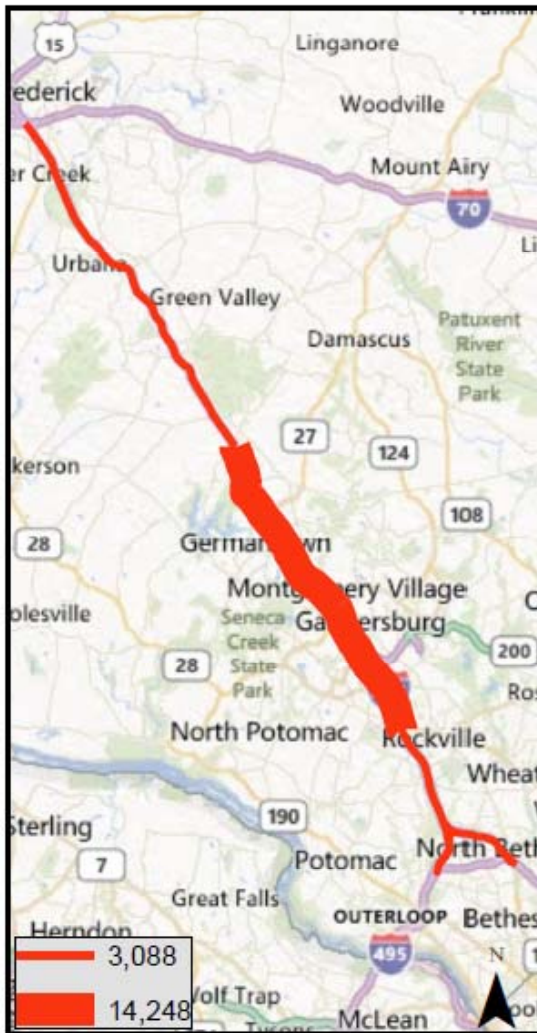


US-301/MD-5 NB from MD-228 to Beltway

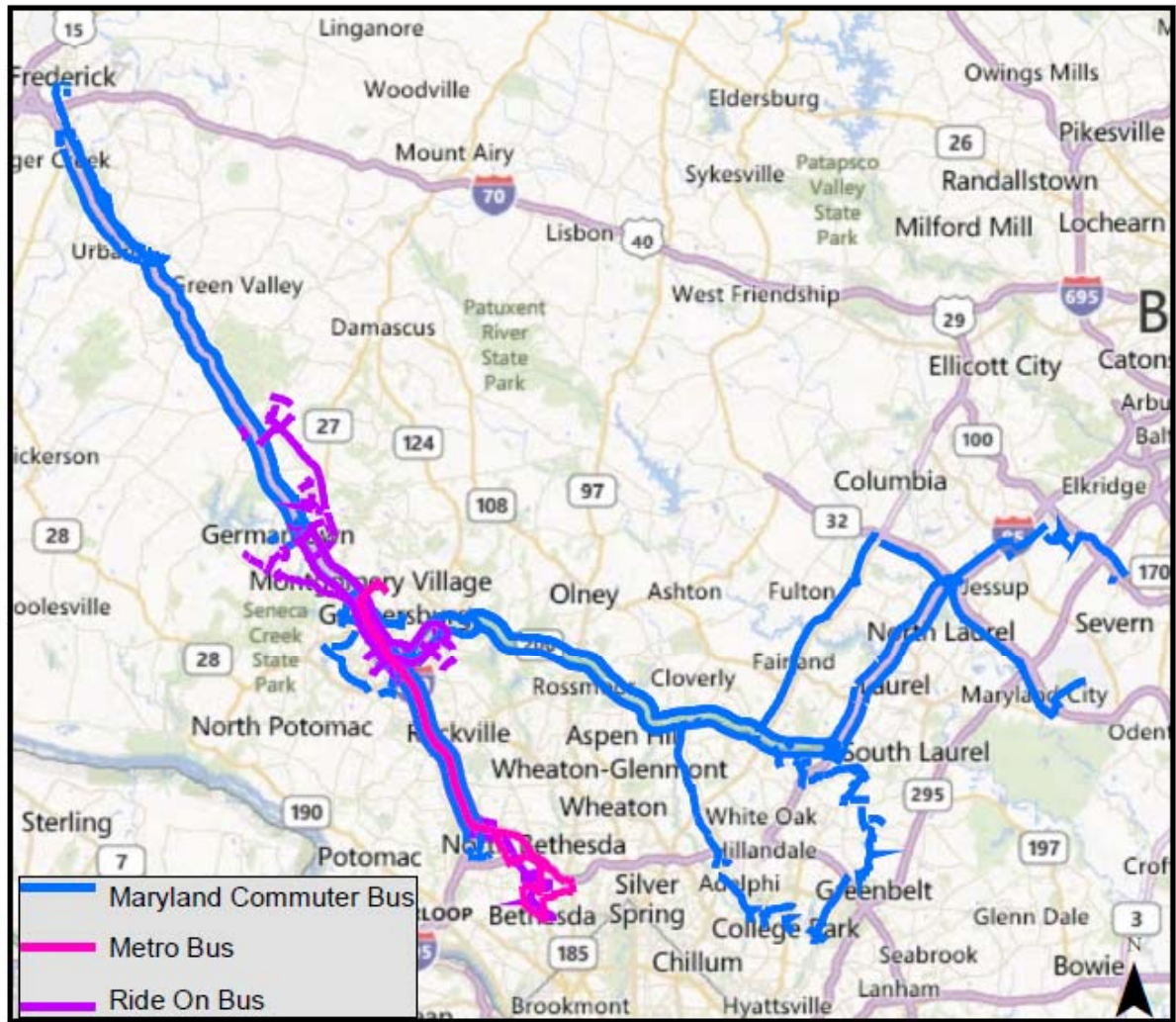
— 50th percentile speed    — 10th percentile speed    ..... Failure rate (% of time speed < 35 mph)



### Average Weekday Ridership

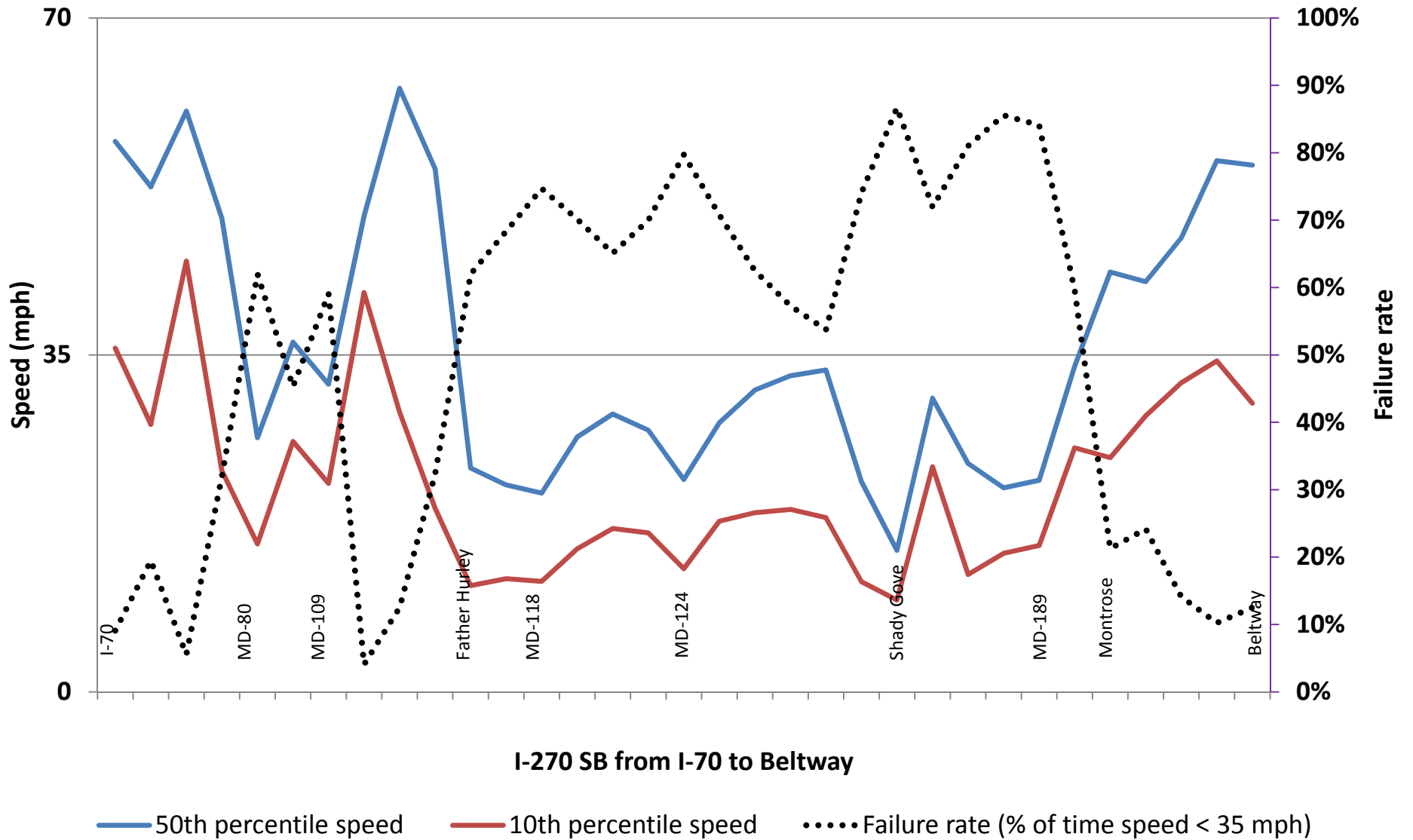


### Bus Routes Serving Corridor



## I-270 Corridor from City of Frederick to Beltway

## 2010 Typical Weekday Speed Profile: I-270 SB, AM Peak Hour (7-8 am)



# Task Force Meetings



## Task Force Meeting #2 – January 23

- Present preliminary analysis of select corridors/routes.
- Discuss options for potential further analysis.
- Discuss safety and incident response concerns.

## Task Force Meeting #3 – April 17

- Present benefit-cost analysis of select corridors/routes.
- Discuss steps necessary for BOS implementation.
- Summarize findings for final report.





# Questions?

<http://www.mwcog.org/bostf>