

Bike Ped Subcommittee Meeting
2/5/2014
Item 7

**2013 CENTRAL EMPLOYMENT CORE
CORDON COUNT
OF VEHICULAR
AND PASSENGER VOLUMES**

Andrew Burke
C. Patrick Zilliacus
Bike and Pedestrian Subcommittee – Feb. 5, 2014

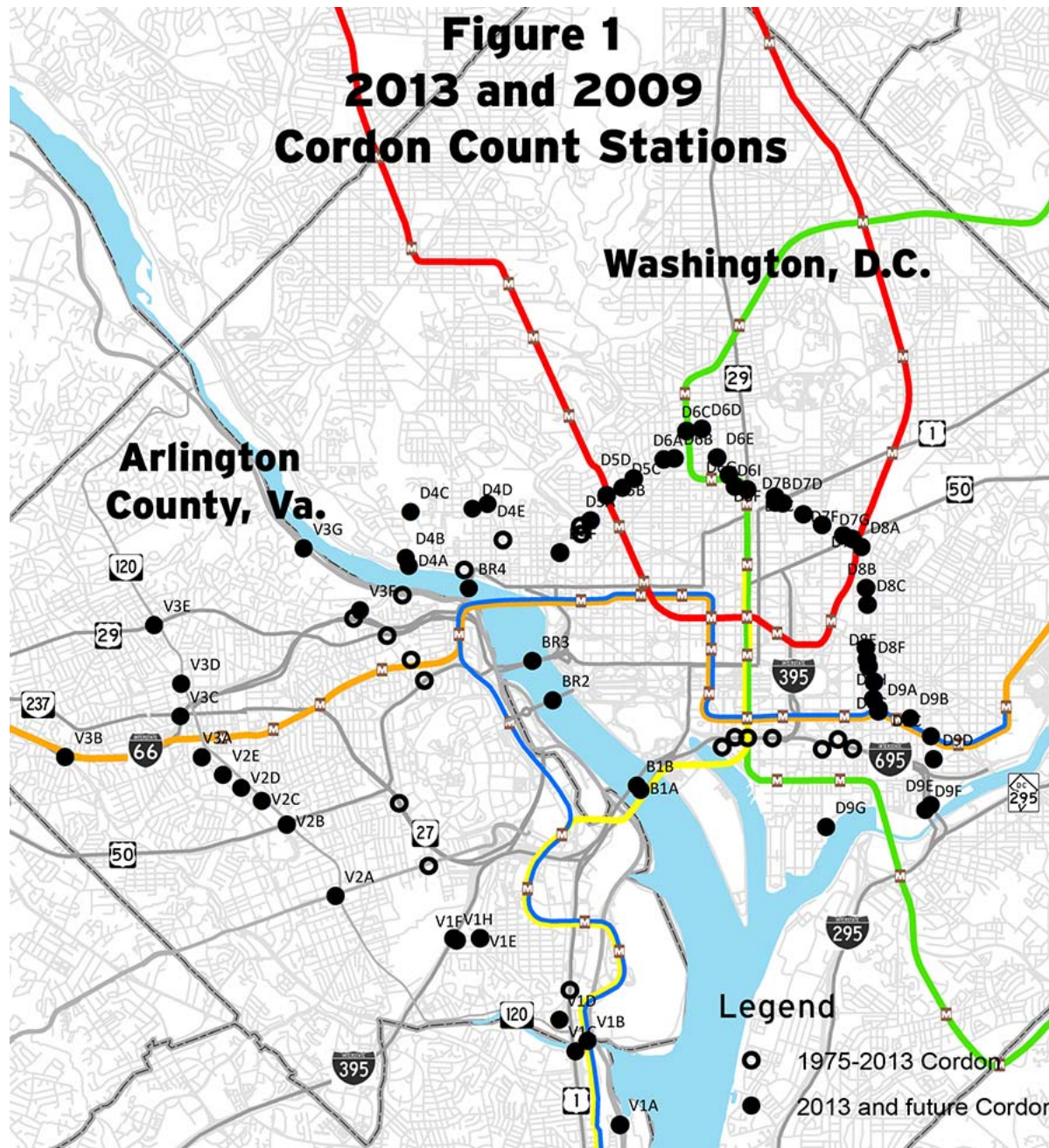
Bike and Pedestrian Subcommittee – Item 7,
February 5, 2014

When

- March through June 2013
- Tuesdays, Wednesdays and Thursdays only
- Holidays avoided
- 5:00 A.M. to 10:00 A.M. inbound only

Where

- Two cordon lines
- Traditional cordon line from 1970s through 2013 (originally established as the max load points on transit system after 1968 bus survey)
- Revised cordon line, first count 2013
- Cordon expanded to include “new” employment that has and will happen between 1975 and 2020



Trails Included

In addition to capturing any on-street bikes (except freeways, where they are generally illegal), we also monitored these trails with dedicated personnel.

- Custis (I-66) [west of Glebe Road]
- Mount Vernon [at Marina Drive – south of Reagan National Airport]
- Capital Crescent [at Georgetown end – Water Street, N.W.]
- C&O Canal Towpath (very little traffic)
- Rock Creek Parkway [between P Street and M Street]
- Metropolitan Branch [Eckington Place, N.E.]
- Anacostia River [M Street, S.E. under Sousa Bridge]
- 14th Street Bridge
- Memorial Bridge
- Key Bridge
- 11th Street Bridge (local span)

What

- All wheeled traffic at each station
- Including bike traffic
- Transit buses were checked individually
- This project does not count pedestrian traffic

Transit Bus categories and number of buses counted

- WMATA Metrobus (2,357)
- Fairfax Connector (35)
- Circulator (158)
- ART (179)
- DASH (34)
- *Includes buses that were counted at both cordons, so there is some double-counting in numbers above*



Checking 16Y bus arriving in 1900 block of E Street, N.W.

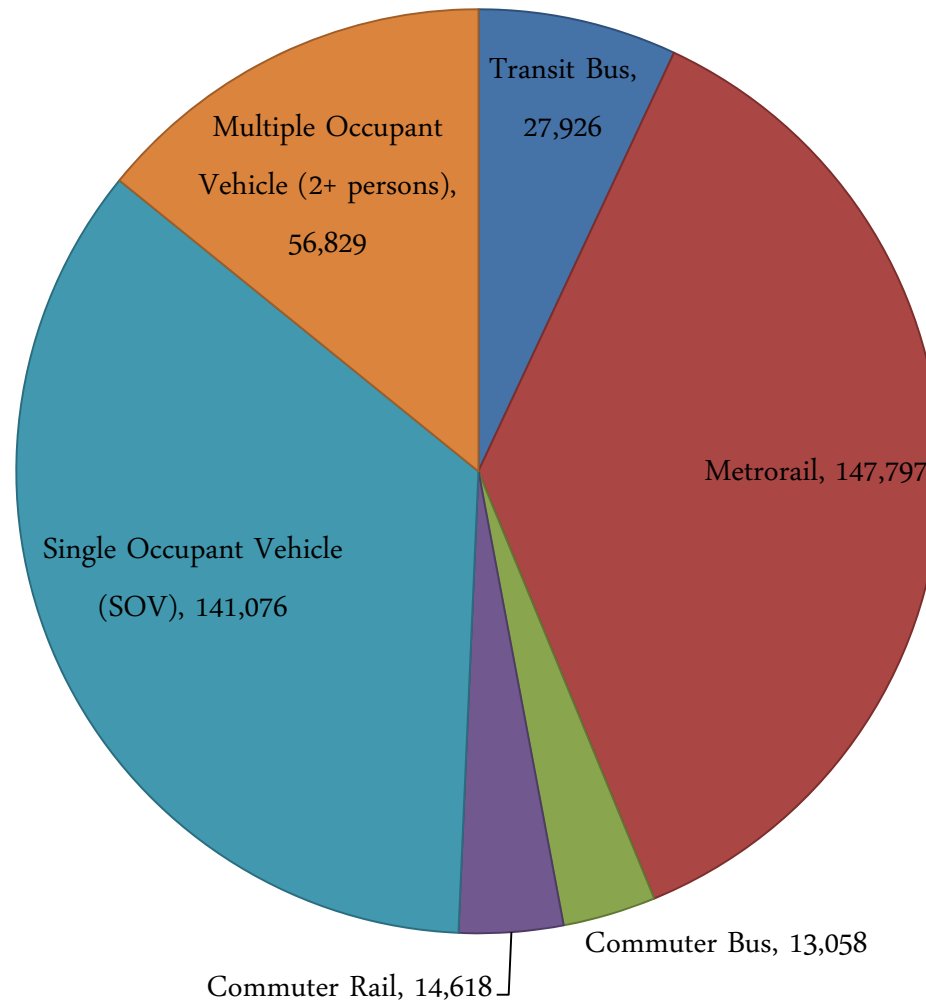
03 05 2013

Modal Shares to D.C. part of cordon only (6:30 to 9:30)

- D.C. Stations plus bridge crossings from Virginia
- Transit bus 7% (Metrobus, Circulator); up from 5% in 2006
- Metrorail 37%; 38% in 2006
- Commuter Bus 3%; 2% in 2006
- Commuter Rail 4%; 2% in 2006
- SOVs 35%; 40% in 2006
- Car-pooling 14%; 13% in 2006

Person Trips to D.C. Sectors by Mode (2013)

6:30-9:30

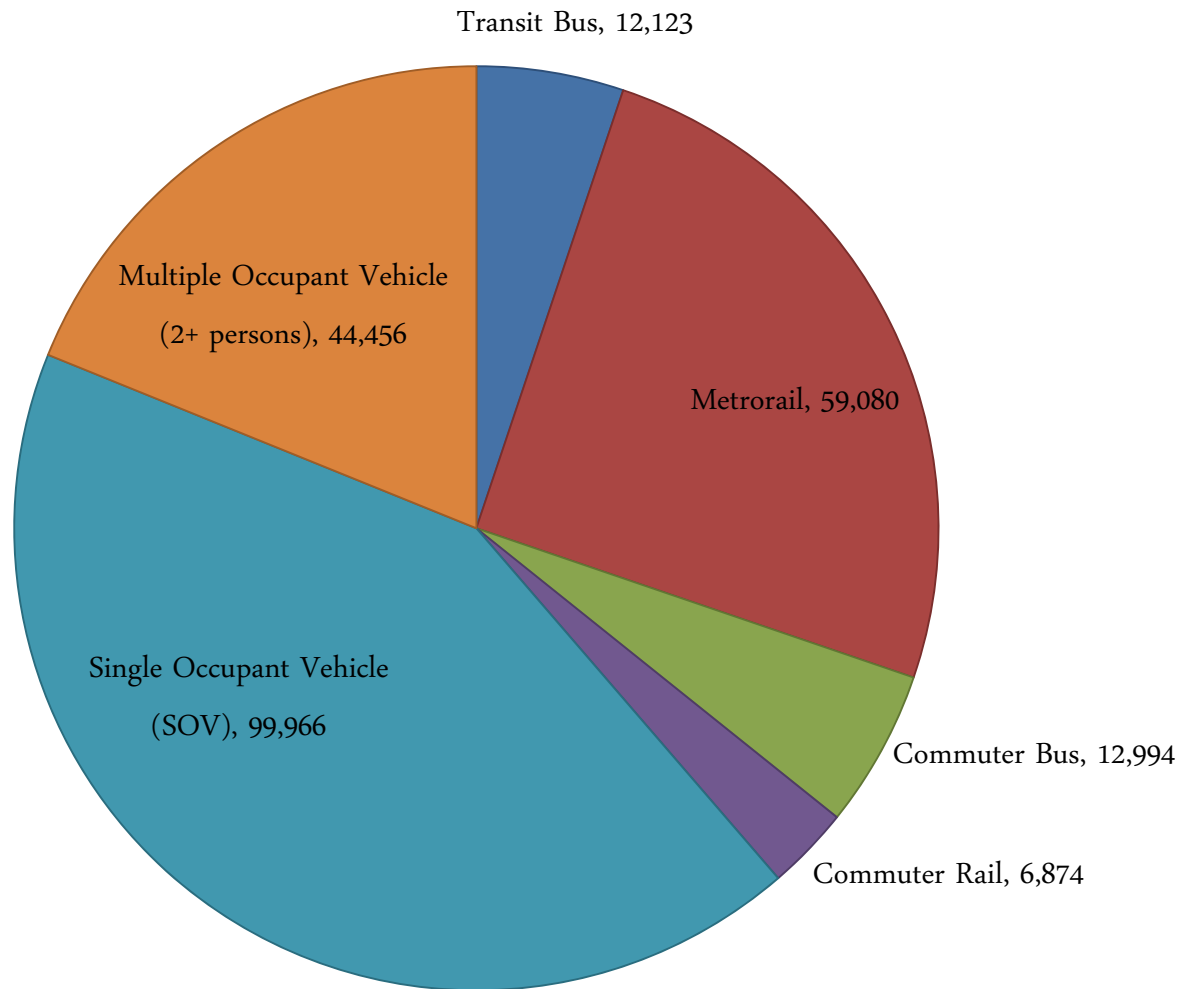


Modal Shares to Arlington part of cordon only (6:30 to 9:30)

- Virginia stations plus bridge crossings from D.C.
- Transit bus 5% (Metrobus, ART, DASH, Fairfax Connector); up from 3% in 2006
- Metrorail 25%; 26% in 2006
- Commuter Bus 6%; 2% in 2006
- Commuter Rail 3%; 3% in 2006
- SOVs 42%; 46% in 2006
- Car-pooling 19%; 21% in 2006

Person Trips to Va. Sectors by Mode (2013)

6:30-9:30



Results (6:30 to 9:30)

2009 to 2013

- Person trips decreased by about 17,000
- Transit – little change in Metro patronage – overall, not much change in absolute terms – transit modal share up from 45% to 47%
- Trips by car-pooling down by over 16,000 trips, modal share down from 19% to 16%
- SOV modal share unchanged at about 37%
- About 11,000 fewer trips crossing the revised cordon – due largely to less patronage on Orange Line at revised count station

Observed Bicycle Traffic

(6:30 to 9:30)

- We counted about 2,500 bikes inbound in the D.C. Sectors (about 1,400 in 2009)
- Almost 1,000 in the Virginia sectors (about 850 in 2009)
- Just over 800 crossing the Potomac River bridges from Va. to D.C. (about 600 in 2006)

Bicycle Traffic at Selected Stations (6:30 to 9:30)

Potomac River Bridges	Cordon Count Volumes	DDOT Count Volumes	Other trails and streets in D.C.	Cordon Count Volumes	DDOT Count Volumes
14th Street (Inbound to D.C.)	592		Capital Crescent and C&O Canal Towpath	229	
14th Street (outbound from D.C.)	172		Rock Creek	130	
Arlington Memorial (inbound to D.C.)	160		Connecticut Avenue, N.W.	197	
Arlington Memorial (outbound from D.C.)	64		14th Street, N.W.	274	
Key (Inbound to D.C.)	103	337	11th Street, N.W.	161	
Key (outbound from D.C.)	99	235	Eckington Place, N.E. (Metropolitan Branch)	15	222
			East Capitol Street	275	
Other trails and streets in Arlington County, Va.			Anacostia Trail (M Street, S.E.)	12	
			11th Street Bridge, S.E. (local span)	12	
Mount Vernon Trail	332				
Custis Trail	349				

Notes:

(1) Cordon Count Volumes taken any day between March and June 2013

(2) DDOT Count Volumes taken in late May or June 2013

(3) One day count at each location

Process

- Report has been presented to Travel Forecasting Subcommittee
- Also to Regional Bus Subcommittee
- May be presented to Technical Committee (not decided yet)
- Full report is online:
 - <http://www.mwcog.org/uploads/committee-documents/al5YW1tb20100723122432.pdf>

Questions? Comments?

- Aburke@MWCOG.ORG
- 202 962 3778
- Comments within 30 days, please