



## Bikesharing & Transit



Kim Lucas

Capital Bikeshare Program Manager,  
District Department of Transportation  
Washington, DC



Join.



Take.



Ride.



Return.



## Bikesharing & Transit: Success

**PEOPLE ARE USING BIKESHARE TO GET TO TRANSIT. AND VICE VERSA.**

**2013 Capital Bikeshare Member Survey:**

54% of Members surveyed had used CaBi in the past month to access Metrorail;  
17% had used CaBi 6 or more times for this purpose  
23% of Members surveyed had used CaBi in the past month to access a bus



**CAPITAL BIKESHARE AT METRORAIL STATIONS MAY INCREASE METRORAIL RIDERSHIP.**

**Bicycle Sharing and Transit: Does Capital Bikeshare Affect Metrorail Ridership in Washington, D.C.? – Ma, Liu, and Erdogan**

“Six out of seven bikeshare stations with more than 500 trips are close to Metrorail stations.”

“Results suggest that 10 percent increase of CaBi ridership will lead to 2.8 percent increase in Metrorail ridership.”



**Join.**



**Take.**



**Ride.**



**Return.**

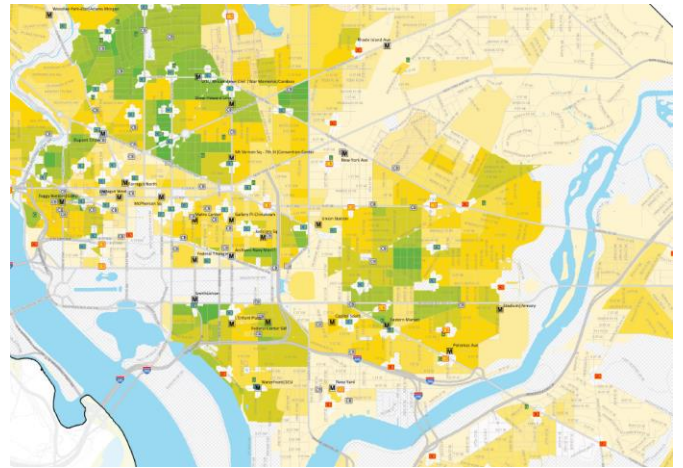


## How.

- eb Station Co-Location (82 stations in DC are within 100 feet of a transit entrance or bus stop!)
- eb Suitability analysis performed to identify transit stations that would have the greatest impact/need
- eb Technology
- eb System co-branding
- eb Targeted population subsidies

**Analysis Weighting Scheme**

<p><b>Employment Density (2000 TAZ)</b></p> <p>Employment Per Acre:                  0 to 36 (1 point)                  36 to 101 (2 Points)                  102 to 197 (3 Points)                  198 to 358 (4 Points)                  359 and up (5 Points)</p> <p><b>Bike to Work Rate (2000 Census)</b></p> <p>Percentage of Residents Bike to Work:                  0 to 1.2 % (1 point)                  1.3 to 2.39 % (2 Points)                  2.4 to 4.17 % (3 Points)                  4.18 to 7.1 % (4 Points)                  7.11 to 11.36 % (5 Points)</p> <p><b>2006 Population Density Projected</b></p> <p>Population Per Acre:                  1 to 4.7 (1 point)                  4.8 to 9.7 (2 Points)                  9.71 to 18.7 (3 Points)                  18.71 to 35.4 (4 Points)                  35.41 to 71.4 (5 Points)</p>	<p><b>Transit Scoring:</b></p> <p><i>Within 1/4 mile from...</i>                  WMATA Bus Lines                  Regional/Local Bus Lines (1 to 5 points)                  * Based on density of routes (overlap)                  * Based on distance from routes</p> <p><i>Within 3/4 of a mile from...</i>                  Metro Rail Station (1 to 5 points)                  * Based on Ridership Total                  * Based on Distance from Station                  Commuter Train Station (MARC, VRE, etc) (1 to 5 points)                  * Based on Distance from Station</p> <p><i>Within 1/4 mile from...</i>                  Bike Facility (Lanes, Trails) (1 to 5 points)                  * Based on distance from routes</p>
--	--

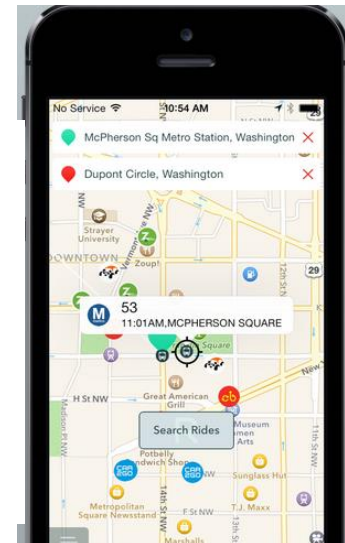
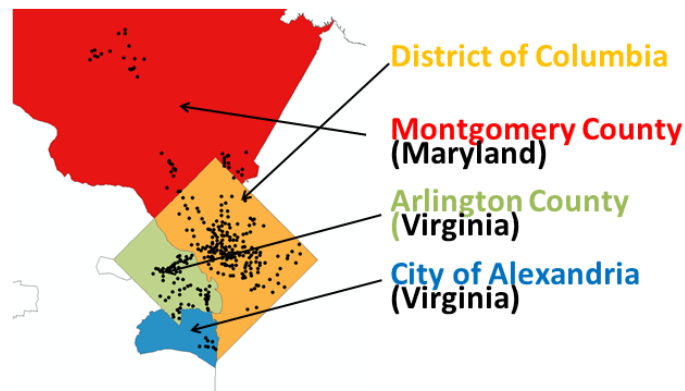






## Champions & Partners

- Capital Bikeshare Jurisdictional Management & Operator
- Washington Metropolitan Area Transit Authority
- Technology developers
- Planners



Join.



Take.



Ride.

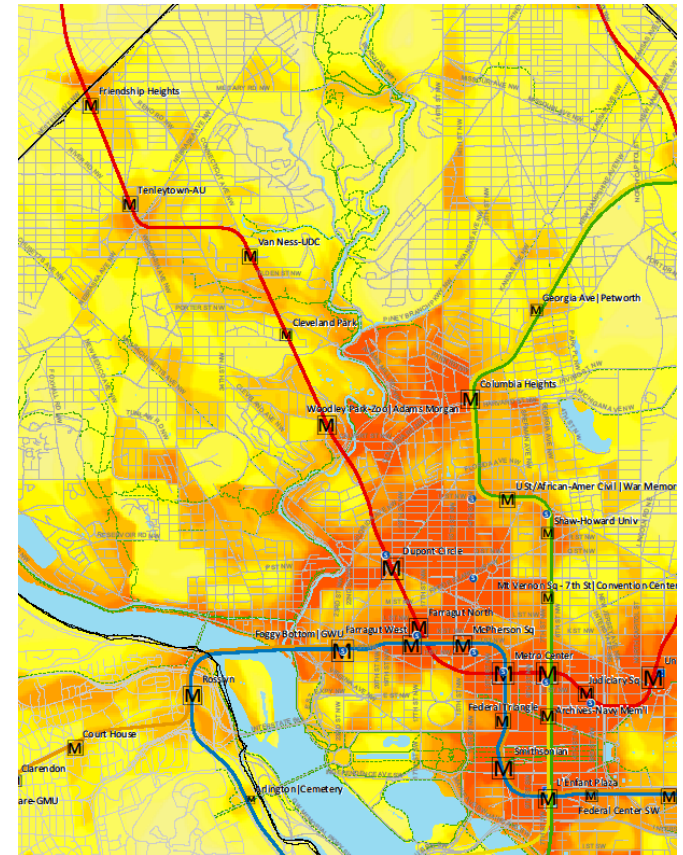


Return.



## Lessons Learned

- eb Bikeshare and transit can work in tandem or as substitutes for one another
- eb With the combination of Bikeshare + transit, trip range is increased, route deviation can be avoided
- eb Bikeshare makes transit more accessible
- eb Bikeshare helps reduce transit crush load
- eb Bikeshare bridges Metrorail service outages



Join.



Take.



Ride.



Return.

## What's Next?

eb Further integration:

- eb More Capital Bikeshare Stations near Transit
- eb Better alignment of bikeshare with bus specifically
- eb Integrated Fare Payment System
- eb Wayfinding in/to/from stations
- eb How does bikeshare impact transit system revenue?



Join.



Take.



Ride.



Return.