

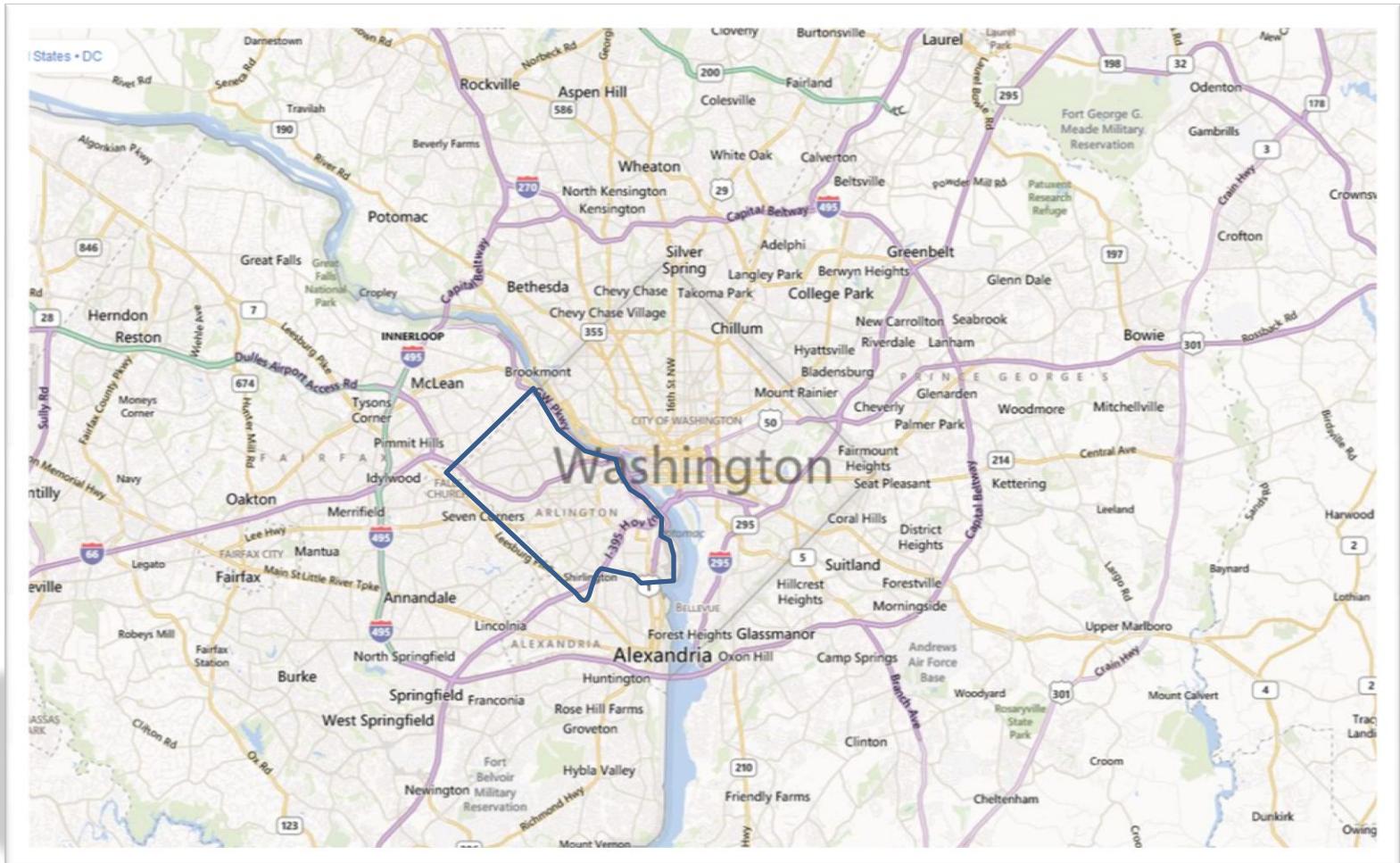
Collecting and using better data for better decisions

August 21, 2013

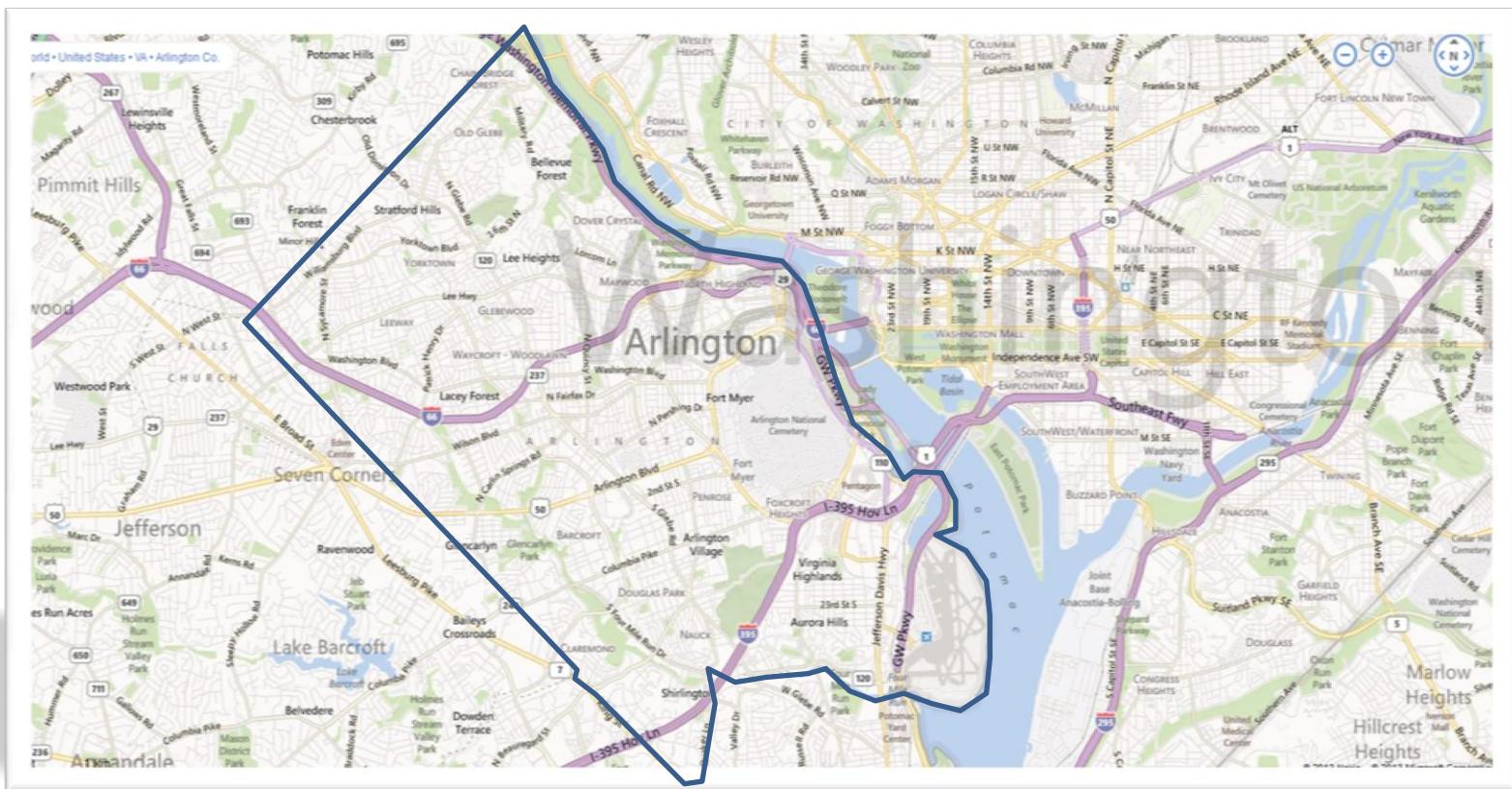
David Patton,
Bicycle and Pedestrian Transportation Planner
Arlington County, Virginia



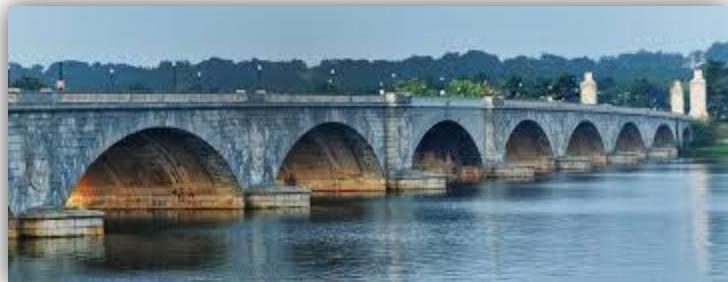
DEPARTMENT OF
ENVIRONMENTAL SERVICES



Arlington County in the Greater Washington DC Metro Area



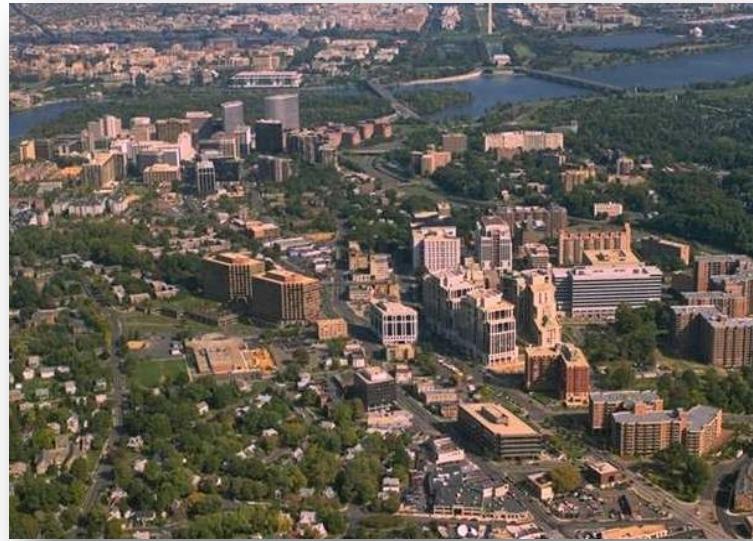
Originally part of the “ten miles square” of the federal district,
retroceded to Virginia in 1846

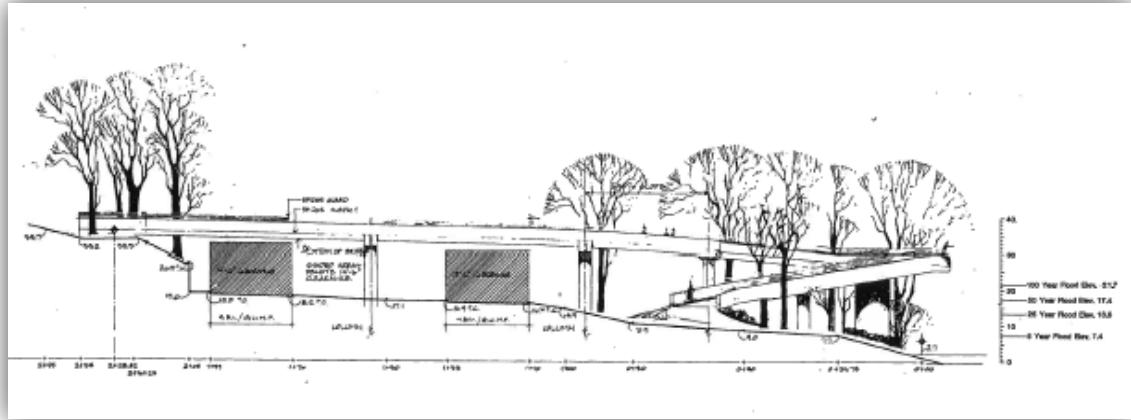


R-B CORRIDOR 1970



R-B CORRIDOR TODAY





Locally built on federal land (NPS) –
\$1.4 M in local funds (1988)



METROPOLITAN
AND
CITY OF LONDON
POLICE

CENSUS OF TRAFFIC

LONDON :
Printed by the Receiver for the Metropolitan Police District,
New Scotland Yard, Westminster, S.W.1.

TABLE I.

TRAFFIC

Serial No.	Point of enumeration.	CLASS OF VEHICLE.					
		Locomotives and Traction.			Heavy Motor Cars.		
		Commercial	Omibuses	Cabs	Commercial	Omibuses	Cabs
1	Hyde Park Corner (see Note b)	—	—	160	8774	8500	982
2	Trafalgar Square (see Note b)	—	—	55	4316	9432	946
3	Marble Arch (see Note b)	—	—	170	5588	7707	434
4	Piccadilly Circus (see Note b)	—	—	18	2278	8227	971
5	Edgware Road, junctions with Picadilly Street and Marylebone Road	140	6726	5825	991		
6	Piccadilly, junction with St. James's Street	—	9	1785	4373	506	
7	Blackfriars Bridge Approach (Charing Cross)	73	5802	1322	437		
8	Grosvenor Gardens (see Note b)	—	—	84	2193	6416	341
9	Oxford Circus	—	—	14	858	9850	1301
10	Shepherds Bush Green	—	—	129	6783	2510	433
11	Strand, junction with Wellington Street	—	45	2901	6897	351	
12	Mansion House	—	—	56	2553	8174	252
13	Ludgate Circus	—	—	91	4591	4866	97
14	High Holborn, junction with Southampton Row	30	3273	4582	228		
15	Hammersmith Broadway	—	—	163	3283	3702	863
16	Knightbridge, junction with Sloane Street	—	4	1484	4982	644	
17	St. Giles' Circus	—	—	89	2480	7622	63
18	Elephant and Castle	—	—	85	5484	5018	282
19	Vauxhall Cross	—	—	213	7509	2310	491
20	Monument	—	—	118	4387	4852	286
21	Swiss Cottage	—	—	5	2255	1841	237
22	Queen Victoria Street, junction with Cannon Street	33	3698	4693	381		
23	Kensington High Street, junction with Church Street	10	2568	4309	611		
24	King's Cross (Euston Road from junction with Pancras Road to junction with Pentonville Road)	91	6602	3766	303		
25	Victoria Street, junction with Vauxhall Bridge Road	131	3982	6141	222		
26	Whitechapel High Street (Gardiner's Corner)	223	6997	3377	732		
27	Notting Hill Gate (High Street from junction with Church Street to junction with Fernside Gate)	37	1948	3442	420		
28	Euston Road, St. Pancras Church	—	63	2154	3684	389	

CENSUS, 1933.

Serial No.	CLASS OF VEHICLE.					
	Motor Cars. (See Note a)	Electric Trams.	Trolley Vehicles.	Bicycles.		
				Light Horse-drawn Vehicles.	Ferry Home-drawn Vehicles.	Motor (moto). Pedal.
53560	—	—	—	653	629	821
42235	—	—	454	384	474	626
31004	—	—	444	307	664	5787
33587	—	—	824	223	209	4657
21362	—	—	744	690	850	7725
31349	—	—	583	104	186	3812
23680	2082	—	1107	1219	394	5377
25205	—	—	261	164	346	4809
30595	—	—	353	54	449	3988
10148	1446	—	291	139	742	8409
20565	—	—	940	1018	287	4544
16302	—	—	703	636	223	6307
16509	—	—	1290	1129	361	6031
18293	—	—	706	1207	394	5761
17384	1203	—	241	181	897	6892
22605	—	—	283	126	266	4059
15740	—	—	393	110	354	5540
10221	3906	—	656	361	483	5816
11485	2829	—	571	1011	448	5007
14461	—	—	963	1257	294	4821
23850	—	—	183	60	454	3599
10911	—	—	819	522	307	3685
10877	—	—	104	115	300	4513
12794	1081	—	595	528	254	2783
14006	—	—	377	151	360	151
7217	3275	—	718	872	256	3605
10753	—	—	172	110	385	6090
10713	—	—	583	381	417	3306

TABLE I.

Serial No.	Point of enumeration.	TRAFFIC										CENSUS, 1933.	
		CLASS OF VEHICLE.			Heavy Motor Cars.				Bicycles.				
		Locomotives and Traction.	Commercial.	Omnibuses.	Coaches	Electric Tramcars.	Trolley Vehicles.	Light Horse-drawn Vehicles.	Heavy Horse-drawn Vehicles.	Motor (solo).	Pedal.	Barrows.	
1	Hyde Park Corner (see Note b)	160	8774	8500	982	53550	—	663	629	62	7870	118	81857
2	Trafalgar Square (see Note b)	55	4316	9432	946	42235	—	454	384	474	6276	163	64735
3	Marble Arch (see Note b)	170	5686	7707	424	31004	—	444	307	664	5787	104	52107
4	Piccadilly Circus (see Note b)	18	2278	8227	971	33687	—	324	223	209	4657	166	51160

9.6%
Highest traffic
location

31	" Angel ", Islington	74	3861	3380	120	10740	2937	—	308	264	384	4029	304	26291	31
32	Blackfriars Road, junction with Stamford Street	122	10137	1389	62	5518	2133	—	1383	1333	292	3460	206	26107	32
33	Holborn Circus	6	1939	3729	29	12131	—	—	1360	775	226	5458	384	26036	33
34	Old Kent Road (" Bricklayer's Arms ")	105	6462	2368	277	8806	1671	—	508	1017	476	4106	255	26011	34
35	Shoreditch High Street, junction with Great Eastern Street	82	6007	3374	268	7744	2371	—	973	891	237	3617	542	26006	35
36	Lewisham High Road (" Marquis of Granby ")	107	5102	1840	412	9804	2462	—	199	187	569	6056	153	25691	36

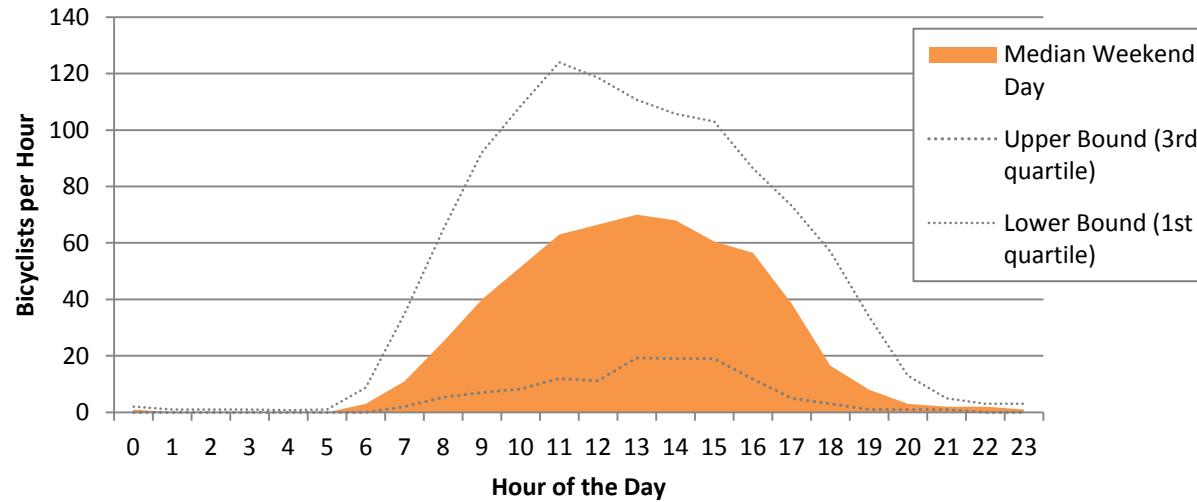
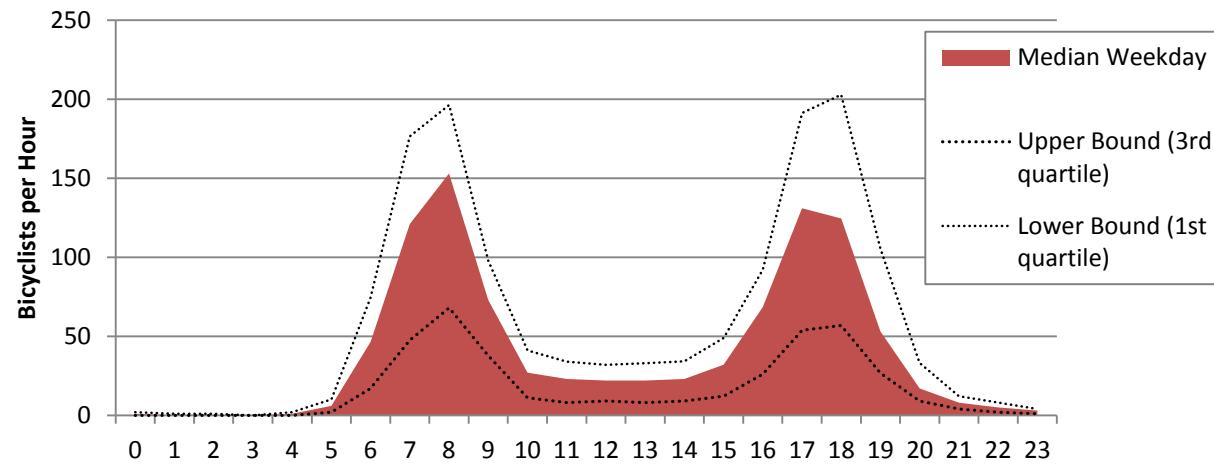
20.9%
"High" street

7	Cornhill, junction with Bishopsgate	17	1965	3647	210	8151	—	—	440	457	259	4072	361	19579	67
8	Moorgate, junction with London Wall	32	1951	2387	24	9339	—	—	574	397	119	2965	406	18194	68
9	Harrow Road (" Prince of Wales ")	30	1958	2268	108	7878	491	—	201	156	340	4610	263	18193	69
0	Tooting Broadway	62	3111	1071	228	5226	1920	—	153	72	300	5661	192	17694	70
1	Waltham Green Broadway	66	2126	2540	46	5655	—	—	197	136	270	6278	208	17521	71
2	Kingston, Eden Street, junction with London Road	39	2005	397	267	8631	—	841	73	62	564	4396	82	17337	72
3	Stamford Hill, junction with Ambrose Park	27	2624	1260	98	7257	911	—	162	62	328	3980	107	16816	73
4	Harlesden High Street from junction with Station Road to junction with Manor Park Road	104	3833	907	90	4380	1217	—	188	47	363	5343	204	16676	74
5	Kew Bridge Road by Kew Bridge	50	2551	822	138	7228	613	—	242	82	489	4311	107	16633	75

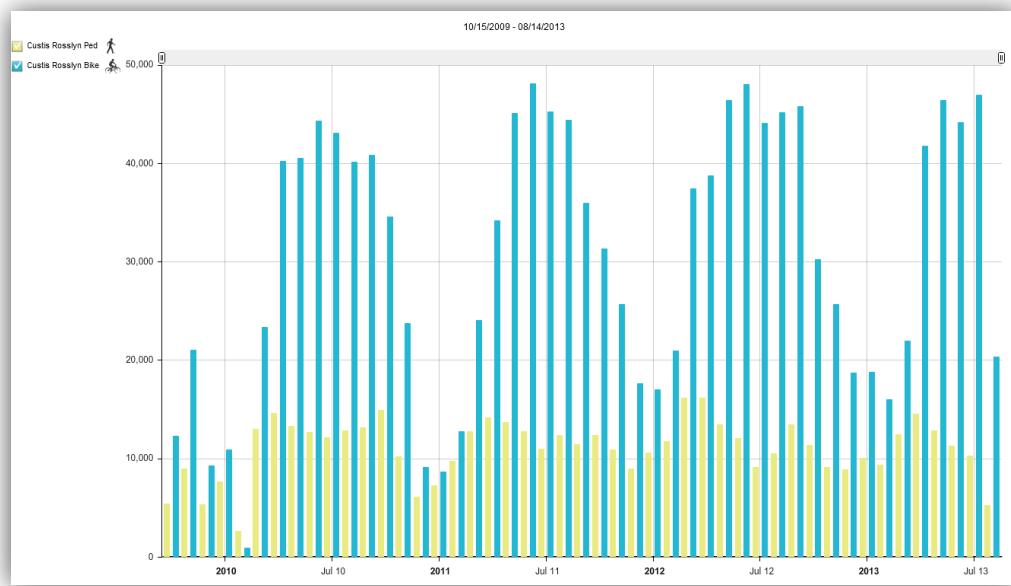
35.8%
Urban village



Weekday and Weekend profiles (year-round)



Credit: Justin Antos

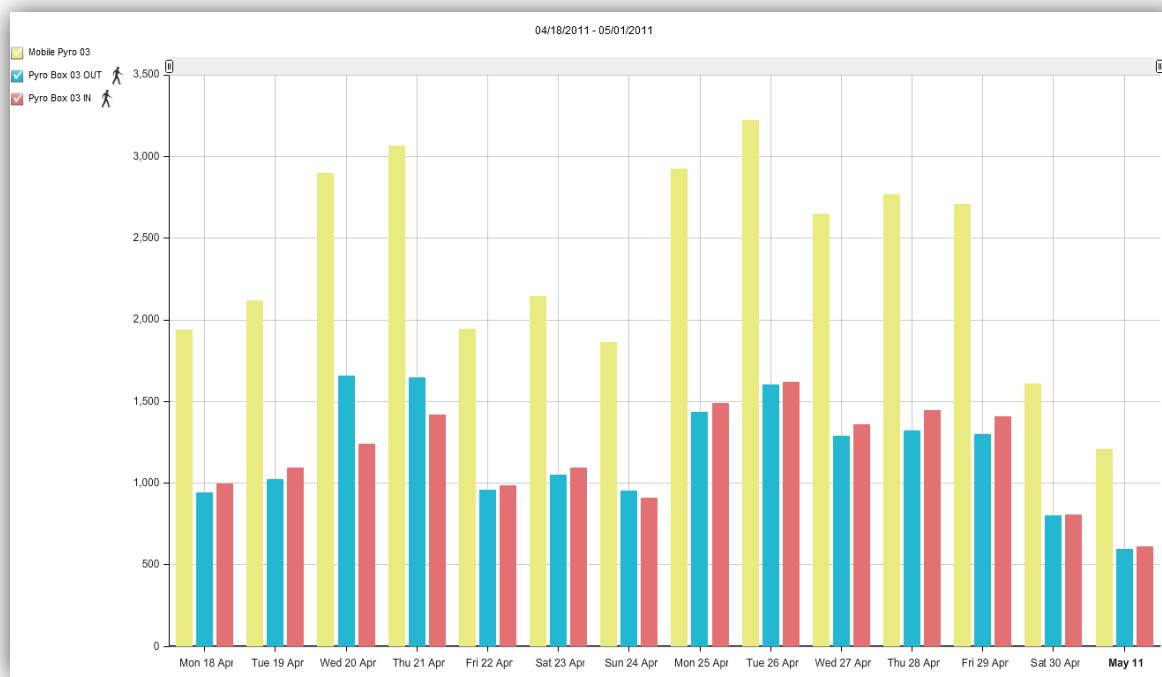


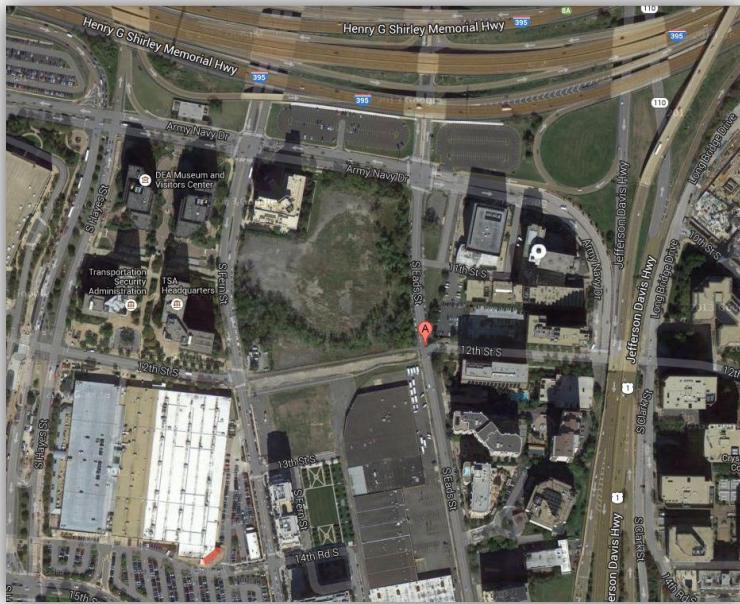
Date	Custis Rosslyn TOTAL	Year over year	Custis Rosslyn Ped	Year over year	Custis Rosslyn Bike	Year over year
2010	485023		133255		351768	
2011	510428	+ 5.24%	137319	+ 3.05%	373086	+ 6.06%
2012	560842	+ 9.88%	142675	+ 3.90%	418167	+ 12.08%

Date	Custis Rosslyn TOTAL	Custis Rosslyn Ped	Custis Rosslyn Bike
January 2012	27542	10570	16972
February 2012	32712	11745	20967
March 2012	53605	16139	37466
April 2012	54904	16171	38733
May 2012	59860	13470	46390
June 2012	60122	12087	48035
	288745	80182	208563

Date	Custis Rosslyn TOTAL	Custis Rosslyn Ped	Custis Rosslyn Bike
January 2013	28798	10022	18776
February 2013	25365	9373	15992
March 2013	34446	12447	21999
April 2013	56356	14567	41789
May 2013	59229	12847	46382
June 2013	55417	11251	44166
	259611	70507	189104

Year over Year	-10.09%	-12.07%	-9.33%



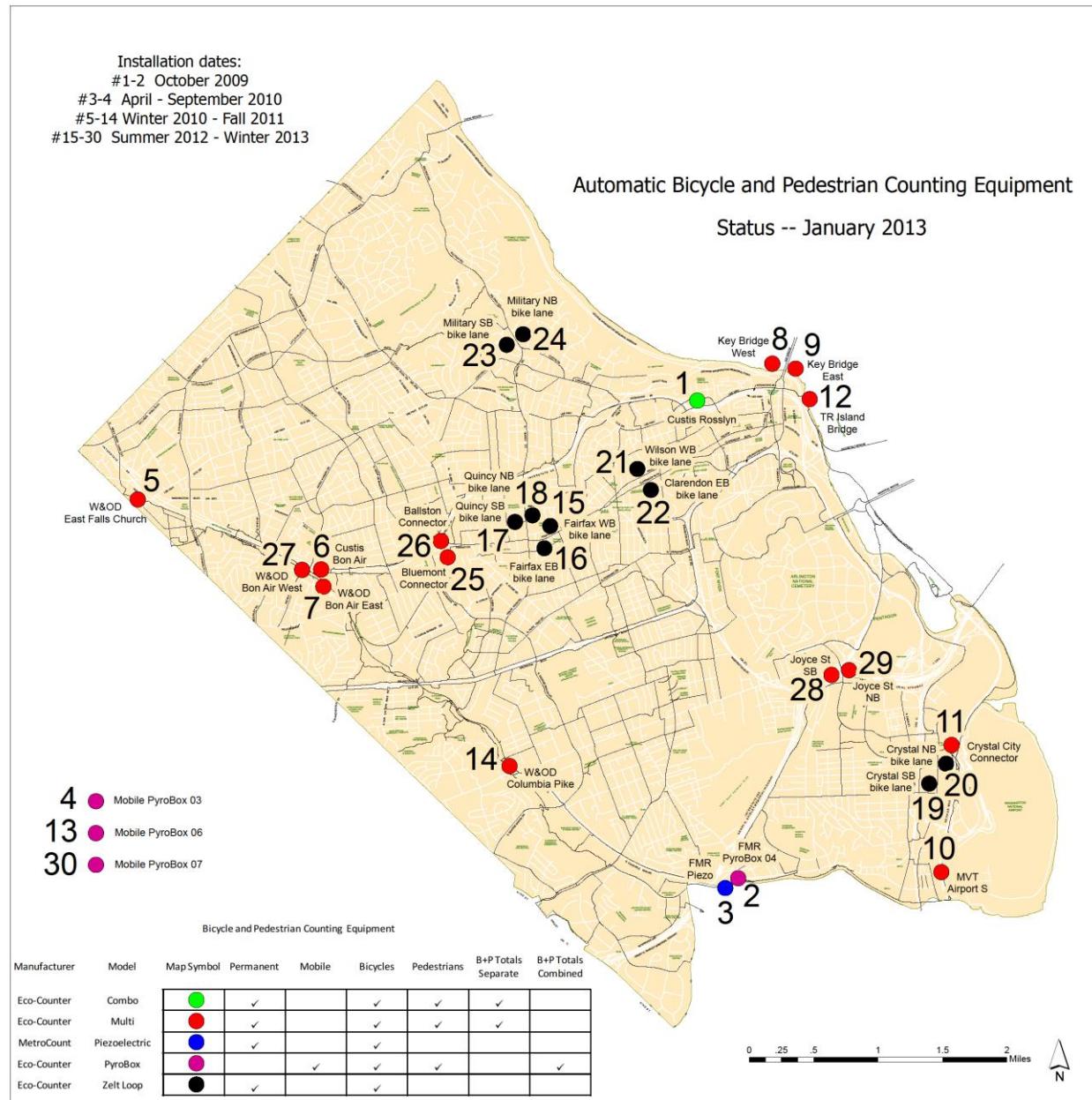


Special study for major commercial site undergoing development:
3,000 + pedestrians per day using
undeveloped corridor near Metro, housing, shopping, Pentagon

Installation dates:
 #1-2 October 2009
 #3-4 April - September 2010
 #5-14 Winter 2010 - Fall 2011
 #15-30 Summer 2012 - Winter 2013

Automatic Bicycle and Pedestrian Counting Equipment

Status -- January 2013





New to Biking?

Bike Classes

PAL: Safety on Our Streets

News, Events & Blog

Capital Bikeshare

Maps & Rides

Biking in Arlington

About



Follow BikeArlington



Welcome to BikeArlington

Arlington, Virginia is [a great place to get around by bicycle](#). More than one hundred miles of [multi-use trails](#), on-street bike lanes, and designated bike routes make it easy for cyclists to get where they need to go. If you don't have a bike, or don't have it with you, [Capital Bikeshare](#) is a convenient option. BikeArlington's goal is to get more Arlingtonians biking more often, whether they're commuting, shopping, or just having fun.

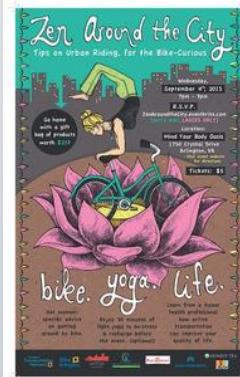
Zen Around the City: Ladies Bike Night

Ladies – mark your calendars! On September 4th, we are hosting our very first women's only event: ["Zen Around the City"](#)! If you're a beginner then this event is for you! We'll show you how incorporating biking into your life can help improve your quality of life. With experts on hand to tailor the information to your unique needs, you'll be one step closer to a happier, healthier and more "zenful" life! So join us for a night of yoga, biking and fun! Tickets are \$5 and include dinner and a goodie bag worth \$25. Visit the [event website](#) to RSVP.

Date: Wednesday, September 4th

Time: 7pm – 9pm

Location: Mind Your Body Oasis, 1750 Crystal Drive, Arlington, VA



Upcoming Events

Revolve Ride for Rock Recovery

Saturday, August 17, 2013

Anthem Moonlight Ride

Saturday, August 17, 2013

Tire Wheel Tuesdays - Courthouse

Tuesday, September 3, 2013 5:00pm - 6:30pm

[Events Calendar](#)

Recent Blog Posts

New Video from Arlington TV: Bikeshare and Biking in Arlington

July 29, 2013

The Art of Purchasing a Bike

July 12, 2013

Crystal City 4th of July Fireworks Bike/Ped Analysis

July 9, 2013

[BikeArlington Blog](#)

Latest Forum Threads

VTV Gran Fondo

Thursday, August 15, 2013

Stickers/decals on your bike

Thursday, August 15, 2013

Camelback Podium Chill

Thursday, August 15, 2013

[Forum](#)

Recent Tweets

BikeArlington: @kateshirley
@vkandersdc <http://t.co/oUKnZUvVxi>

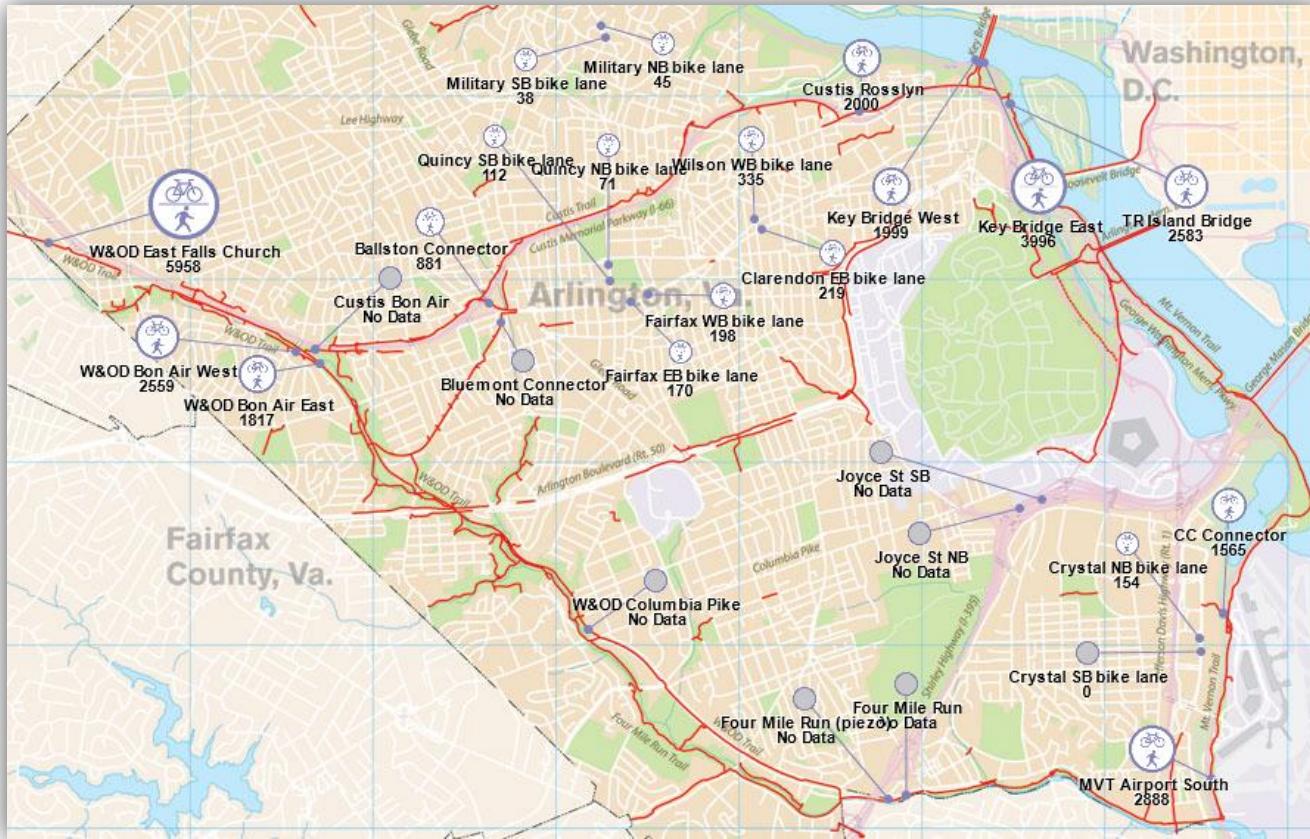
August 15, 2013, 10:32 AM

BikeArlington:
@vkandersdc @kateshirley
Nah, 'Cafe racing' is everyday, all day. People hate getting passed by a guy with flip-flops and a rear baby seat.

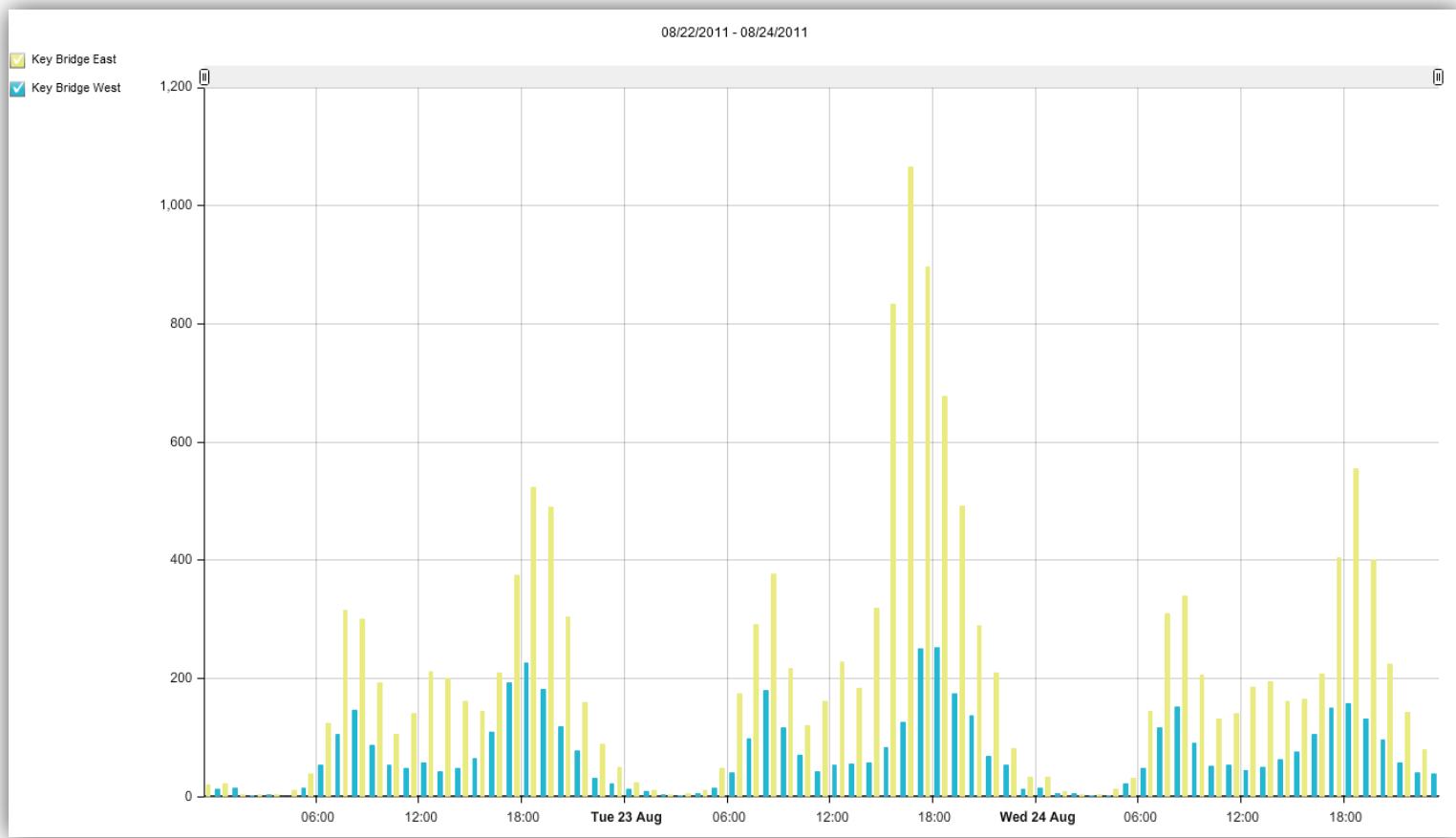
August 15, 2013, 10:26 AM

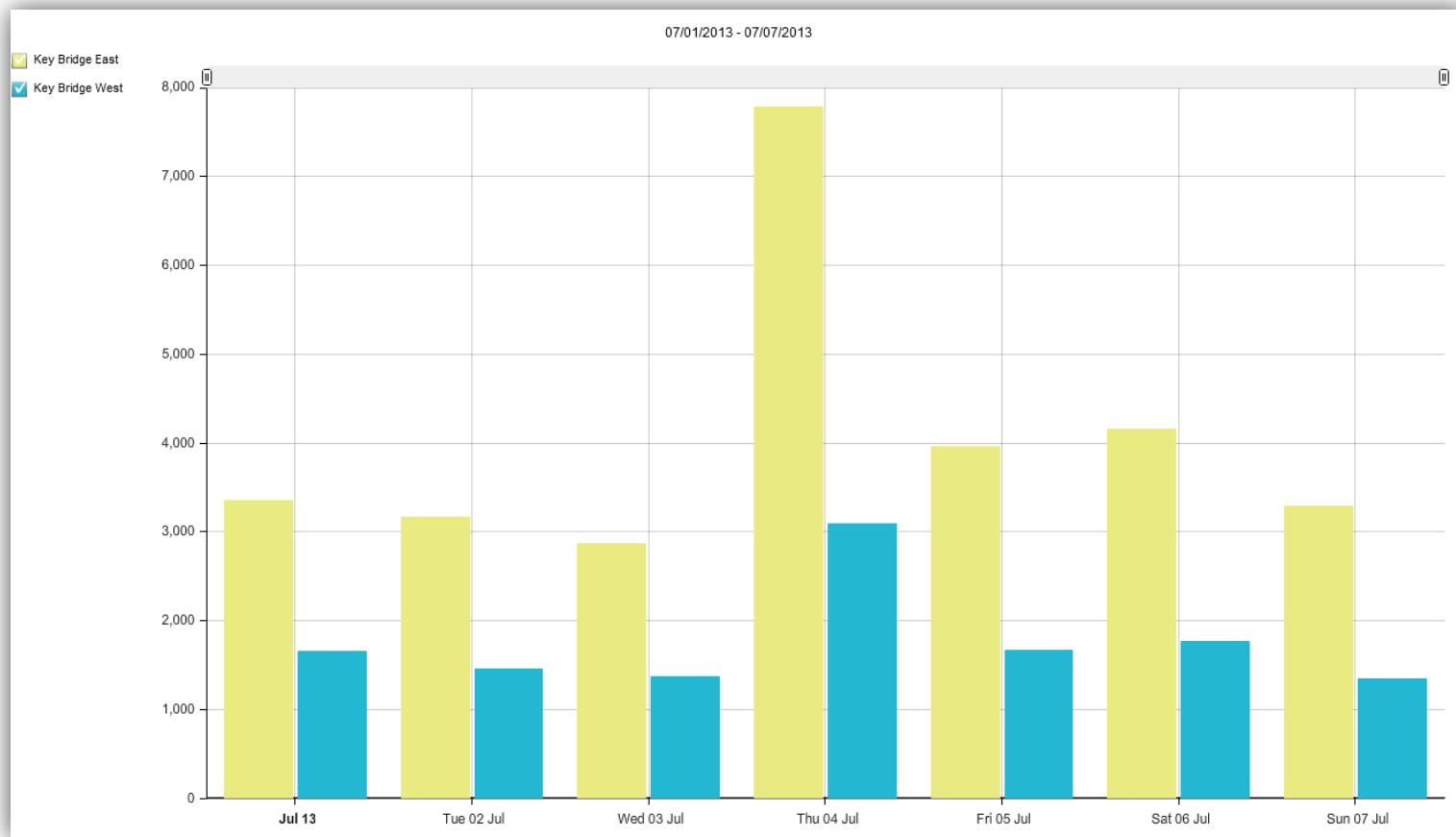
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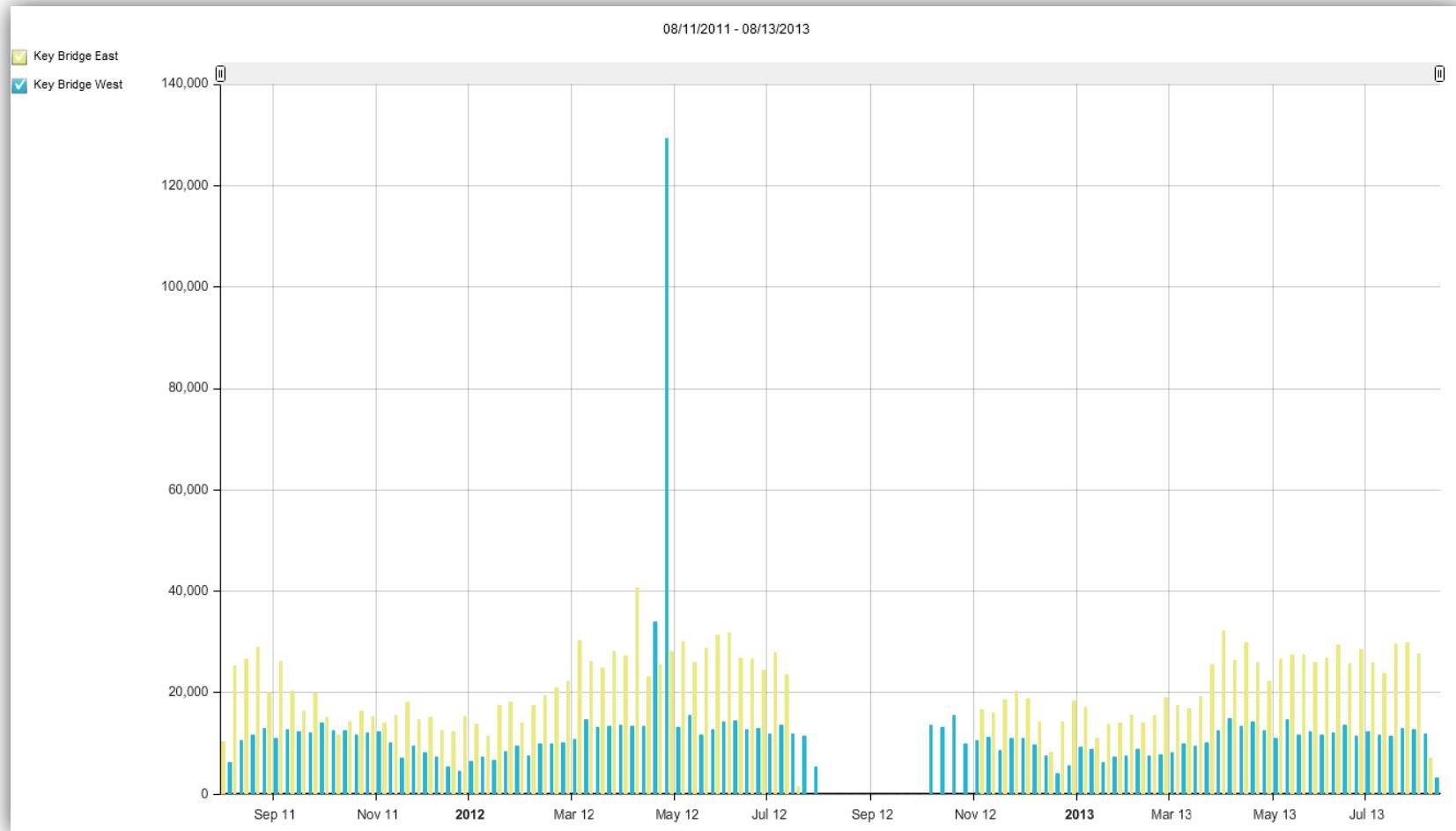
1,538 people like this. Sign Up to see

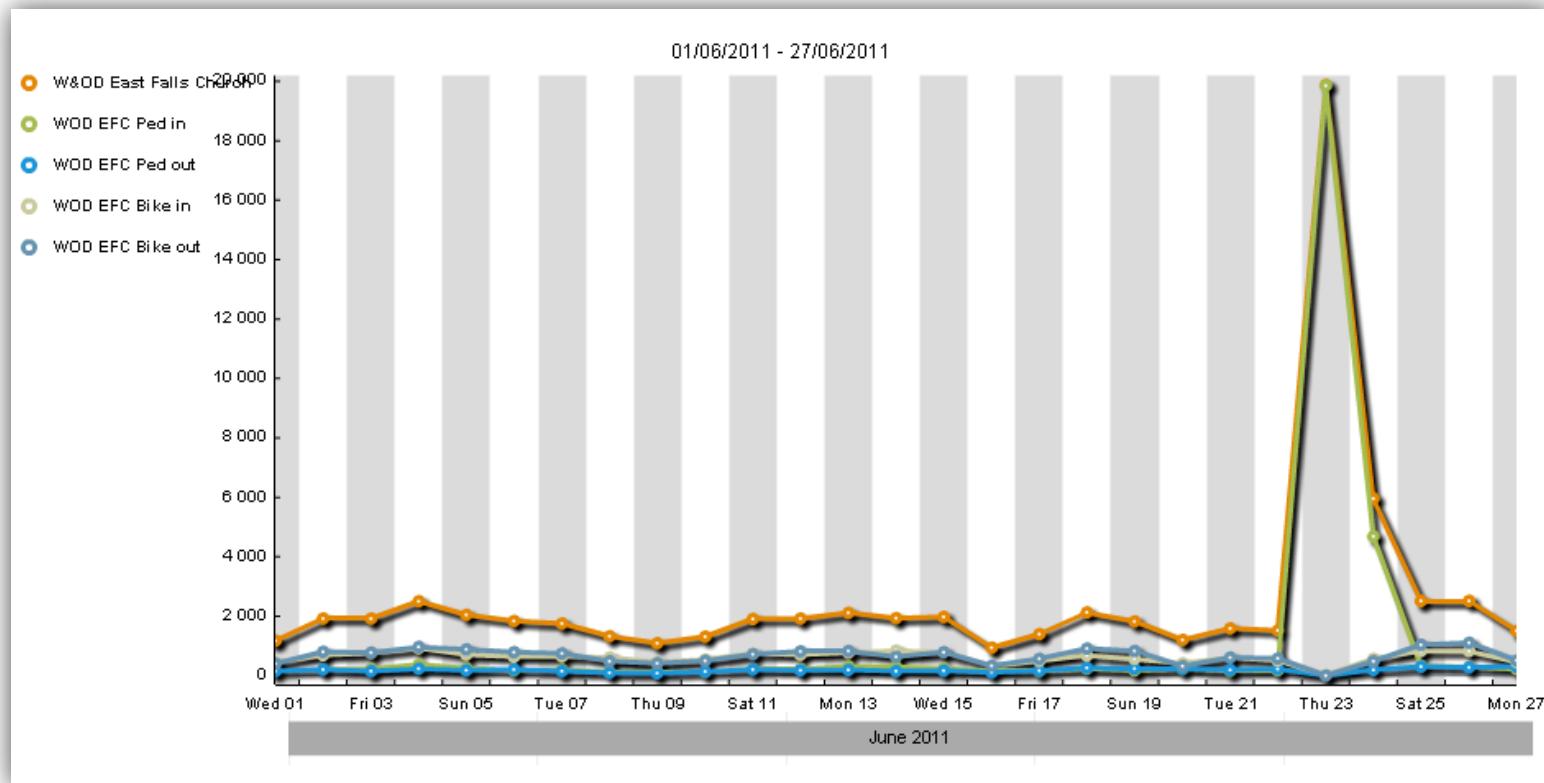


<http://www.bikearlington.com/pages/biking-in-arlington/counter-dashboard/>



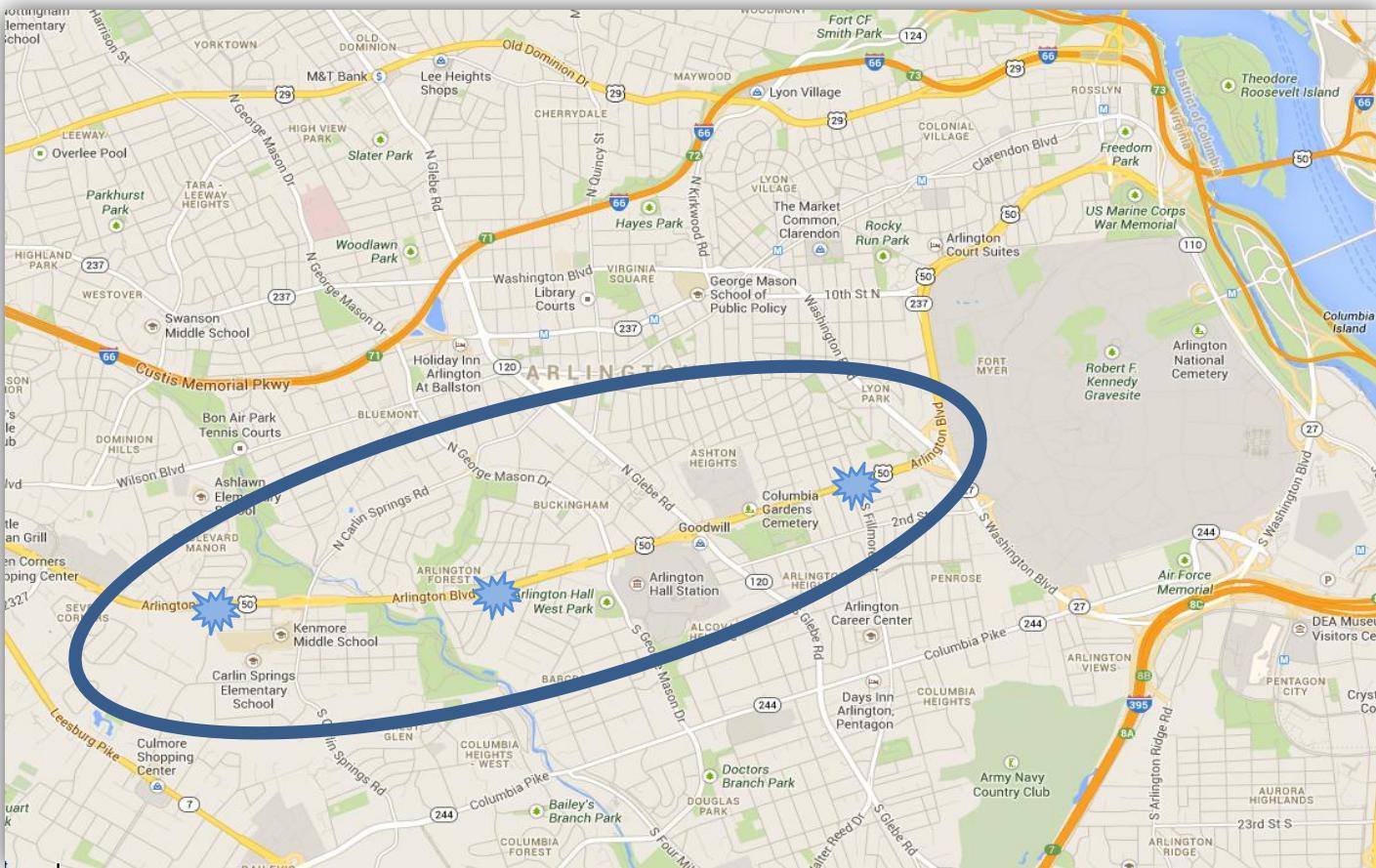




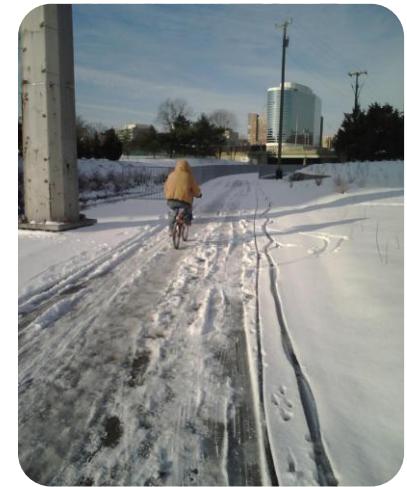






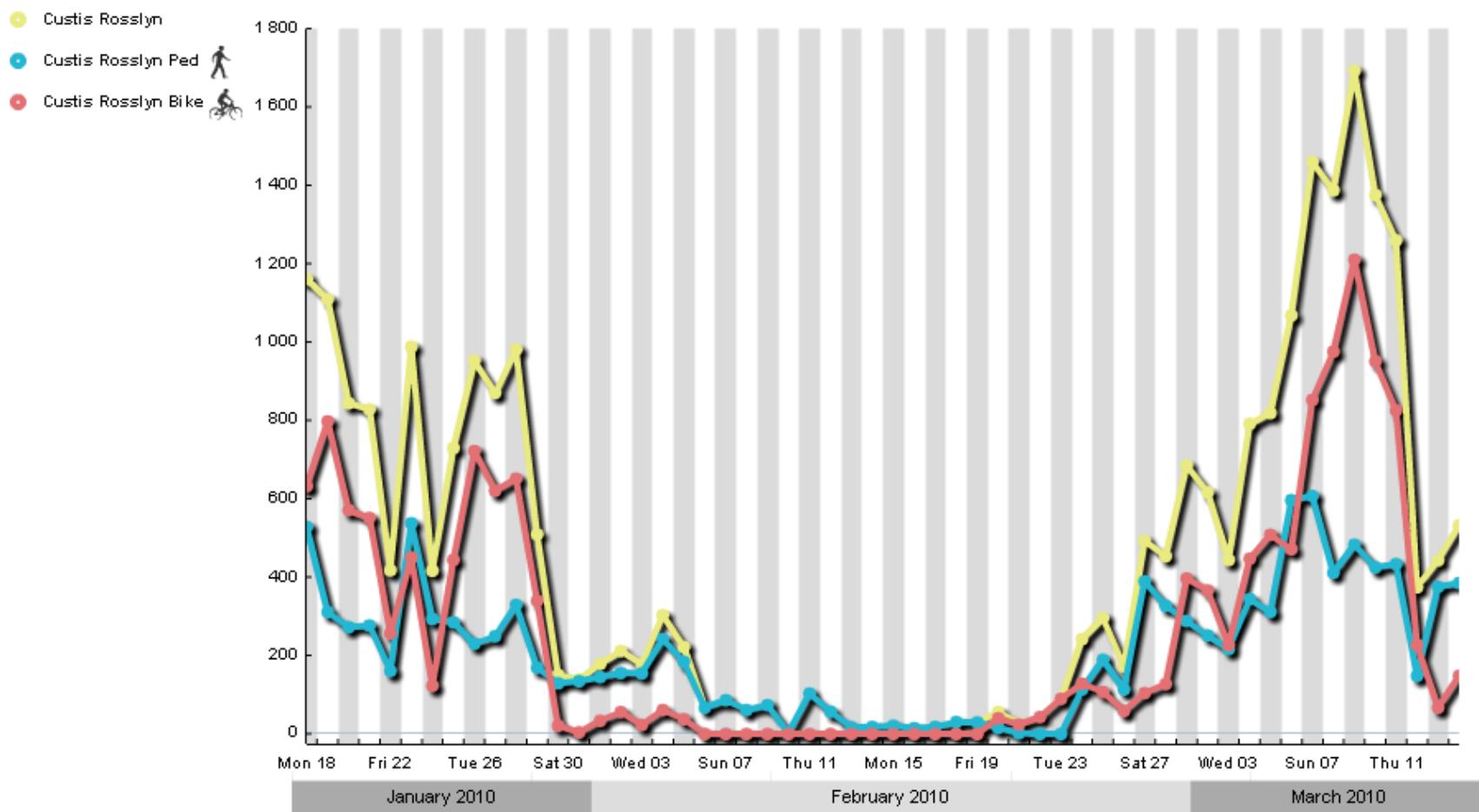


Calculate exposure for safety projects
62,000 vpd x 500 peds = 31,000,000
potential conflicts



“Snowmageddon” February 2010

01/18/2010 - 03/14/2010



Weekday Summary

Weekday

Approximately 30% of motorists parked in study area did not visit a business in the study area

- Vehicular Patrons (Parked in Study Area)
- All Other Patrons

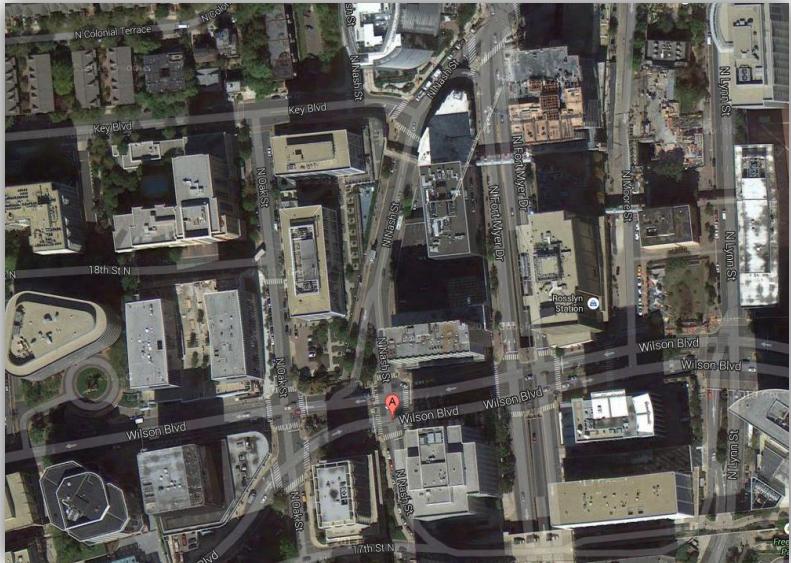


Arlington County, VA

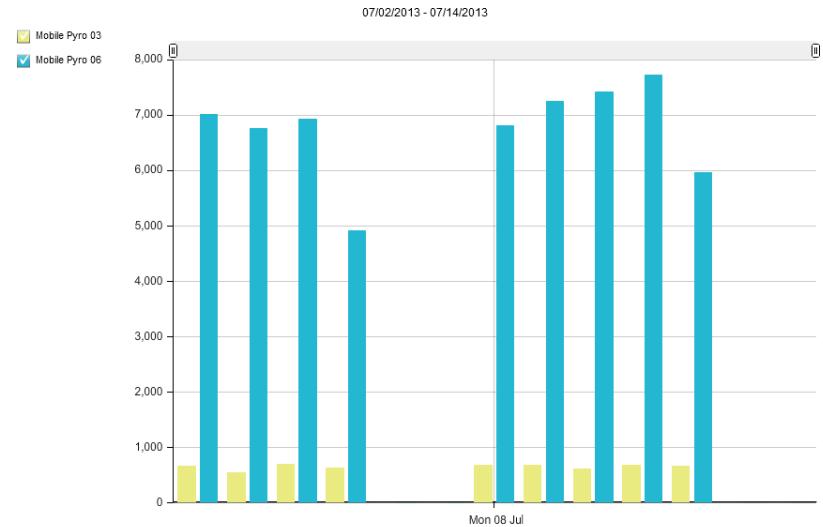
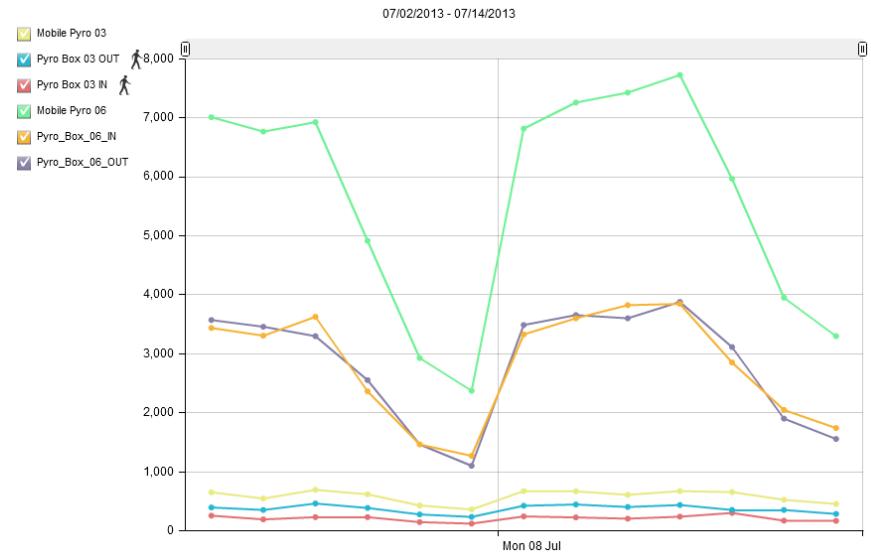
Wilson Boulevard Parking &
Pedestrian Study

11

Pedestrian / Parking / Patronage study



Pedestrian data for developer negotiations





Data to support facility
improvements and speed
limit studies

Going Places on the Arlington Loop

In Arlington there are 50 miles of off-street trails that make getting to where you need to go by bike incredibly easy. There are 4 trails in particular that create a sort of loop around the center of Arlington: the Mount Vernon, Custis, W&OD and Four Mile Run trails. This "Arlington Loop" connects you to almost every amenity in Arlington you can think of. The entire loop is 17 miles long, but you don't have to ride it all at once – most trips on the Loop are much shorter.



14 of 30 devices on or very close to “The Loop”



Cooperation, collaboration, innovation



The **best** time
to plant a *tree*
is 20 years ago.

The second best
time is **now.**

We're planting trees ...



David Patton

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