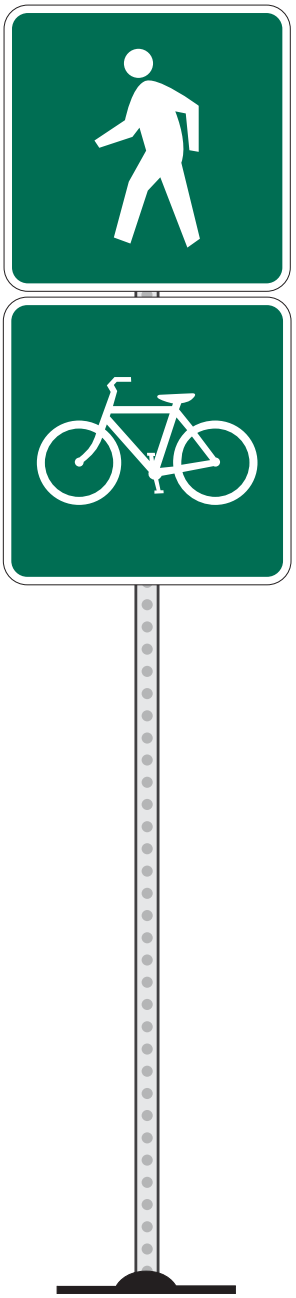
Pedestrian and Bicycle Count Report



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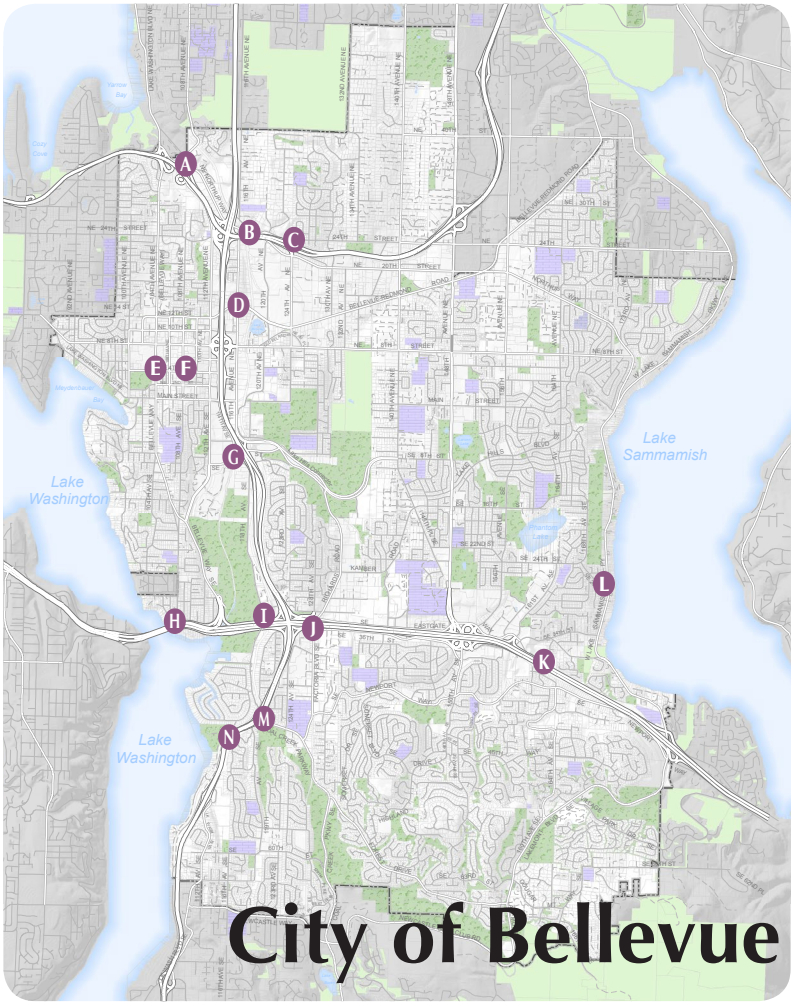

City of Bellevue

Transportation Department
Long Range Planning

City of Bellevue

Transportation Department
Long Range Planning

Pedestrian and Bicycle Count Report

2012 Update

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PEDESTRIAN AND BICYCLE COUNT REPORT
City of Bellevue
2012 Update

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1. INTRODUCTION

In concert with the annual Washington State Pedestrian and Bicycle Documentation Project, the City of Bellevue preforms counts of pedestrians and bicyclists at key locations within the city. The Bellevue Comprehensive Plan supports this activity, as the city's policy PB-29 directs the Transportation Department staff to *"[develop] procedures to collect data in order to measure pedestrian and bicycle usage on an ongoing basis*."

The data collected through yearly counts helps track Bellevue's progress toward its goal of improving bicycling and walking conditions in the city. This information has the potential to exhibit where pedestrian and bicycle facilities or other infrastructure may be invested in order to improve roadway safety.

City of Bellevue staff conducted manual counts of bicyclists and pedestrians at four locations in the city, using video capture technology. The counts were performed for two peak periods (7:00 AM - 9:00 AM and 4:00 PM - 6:00 PM) for three consecutive days from Tuesday, September 25th to 27th in 2012. Staff also collaborated with volunteers for the Cascade Bicycle Club who preformed on-site counts at seven additional Bellevue locations. This was the fourth annual count the City of Bellevue participated in.

Image 1: I-90 Trail at Factoria Bvld SE (J)

The resulting data provided 15-minute counts for bicycles and pedestrians for the four locations. This data was used for time of day analysis and is compared to count totals from previous years. The pedestrian and bicycle count methodology, count results, data analysis and discussion are contained within this report.

2. METHODOLOGY

Following the National Bicycle and Pedestrian Documentation Project (NBPD) guidelines, the City of Bellevue selected four sites for manual screen line counts of bicycles and pedestrians. Counts were done by recording 2-hour AM and PM peak segments using existing traffic cameras owned and operated by the City. City of Bellevue staff reviewed the recordings and manually counted pedestrians and bicyclists for the four locations.

2.1 – *Count Methodology*

Pedestrian and bicycle counts are recorded in 15-minute segments for two hours during the AM and PM peak periods. In addition to tabulating the user volumes of each mode, the gender of each pedestrian and bicyclist is also recorded. The Washington State Pedestrian and Bicycle Documentation Project also asks participating jurisdiction to record other nonmotorized travelers, such as rollerblading, and whether a bicyclist is wearing a helmet. Only one individual was counted on rollerblades and no riders were observed without helmets, so an analysis of these variables is not included in this report for 2012.

Image 2: I-90 Trail at Enatai Beach Park (H)

There are three main methods for obtaining and recording counts: 1) Video recordings; 2) On-site counts; and 3) Pneumatic tube counters. Intercept surveys may also be administered in concert with the effort to collect pedestrian and bicycle volumes.

See Appendix B and C for the count recording sheet and instructions.

2.2 – *Video Recordings*

The primary method used by the City of Bellevue to collect pedestrian and bicycle usage counts is video recordings of selected locations. Existing traffic cameras are used and recordings are saved onto DVDs that can be viewed using a PC computer with the correct software installed. A camera's orientation can be adjusted for the preferred view of the count location. Technological limitations restrict the City to recording only four traffic cameras simultaneously.

Data is collected from recorded videos using preformed screenlines counts. The screenline is drawn on the screenshot of the count location. Any pedestrian or cyclist crossing the line at a perpendicular angle is tallied in the count at that location. Using recordings and screenline counts is more flexible than on-site counts in real-time, as this method provides the possibility to recount and confirm usage volumes.

2.3 – On-Site Counts

Counts of pedestrian and bicyclists are traditionally taken on-site at each location during the two hour AM and PM count periods. Volunteers or Transportation Department staff can be scheduled to be present at count locations with materials to record counts. The Cascade Bicycle Club is able to help advertise the need for assistance and direct interested volunteers to contact

participating cities to work directly with that jurisdiction. Alternatively, they can also coordinate volunteers to collect counts for locations that are reported directly to the Cascade Bicycle Club, and then to the City. In the past, Transportation Department staff has coordinated volunteers to record on-site counts, however this year the City requested that volunteers be coordinated by Cascade to cover all on-site counts in 2012.

2.4 – Pneumatic Tube Counters

The eight locations added to the pedestrian and bicycle count locations were preformed using pneumatic tube counters. This method provides an automated count of usage, but due to the time and resource costs associated with tube counters, this method has not been used by the city after the 2010.

2.5 – Intercept Surveys

The Washington State Pedestrian and Bicycle Documentation Project offers participating cities the option to conduct surveys of pedestrian and bicyclists using the a standard for and methodology. In 2009, Transportation Department staff coordinated with volunteers to conduct intercept surveys the city has opted not to conduct surveys for each following year. Results from the surveys that were preformed in the past are published in the City's 2009 Pedestrian and Bicycle Count Report.

Image 3: 2009 On-Site Count and Intercept Survey Volunteers

3. LOCATION SELECTION

In 2009, the first year the City of Bellevue participated in the Statewide Pedestrian and Bicycle Documentation Project, five locations to record user counts were selected by Transportation Department staff. These sites were selected based on several guidelines, directing that locations should generally:

A. Encircle Downtown Bellevue;
B. Be at major trip destinations; or
C. Correspond with priority corridors designated in the 2009 Pedestrian and Bicycle Transportation Plan report.

The City of Bellevue has collected pedestrian and bicycle volume counts at a total of fourteen different locations throughout the City. An aim primary aim of recording counts is to collect data at consistent locations annually, in order to build a credible dataset. Each location has been assigned a letter that corresponds to the map of locations provided in section 4.1.

3.1 – Historic Count Locations

Five locations were selected for the City's inaugural participation in the statewide counts:

1. Bellevue Way, north of NE Northup Way (A)
2. NE 12th Street, west of 116th Avenue NE (D)
3. Bellevue Way, north of NE 4th Street (E)
4. 108th Avenue NE, south of NE 4th Street (F)
5. 114th Avenue SE, north of SE 8th Street (G)

The following year, in 2010, pedestrian and bicycle volumes counts were recorded for the same five locations, but counts for NE Northup Way were taken at 108th Avenue NE instead of at Bellevue Way NE. The data collected at these adjacent intersections is comparable and is considered to represent the same node of activity. For this second annual count, an additional eight locations were equipped with pneumatic tube counters to record bicycle volumes:

1. 115th Avenue NE, north of NE 116th Avenue NE (B)
2. 520 Trail, at NE 24th Street (C)
3. I-90 Trail, at Enatai Beach Park (H)
4. 118th Avenue SE, north of I-90 Trail (I)
5. I-90 Trail, west of Factoria Boulevard SE (J)
6. I-90 Sunset Bike Trail, east of Eastgate Way (K)
7. West Lake Sammamish, south of SE 26th Street (L)
8. Lake Washington Loop Trail, at Newcastle Beach Park (N)

In 2012, usage volumes were recorded at eleven of these fourteen locations. Transportation Department staff recorded pedestrian and bicycle counts at four primary locations:

1. 108th Avenue NE, north of NE Northup Way (A)
2. 108th Avenue NE, south of NE 4th Street (F)
3. 114th Avenue SE, north of SE 8th Street (G)
4. Lake Washington Loop Trail, at Coal Creek Parkway SE (M)

The City of Bellevue requested that the Cascade Bicycle Club to arrange volunteers collect count data for a remaining seven locations:

1. 115th Avenue NE, north of NE 116th Avenue NE (B)
2. 520 Trail, at NE 24th Street (C)
3. NE 12th Street, west of 116th Avenue NE (D)
4. I-90 Trail, west of Factoria Boulevard SE (J)
5. I-90 Sunset Bike Trail, east of Eastgate Way (K)
6. West Lake Sammamish, south of SE 26th Street (L)
7. Lake Washington Loop Trail, at Newcastle Beach Park (N)

Transportation Department staff used the city's traffic operations camera system to record count locations for counts in 2012. The system allows for four intersections to be recorded at a given time. Due to this constraint, staff initially planned to record the four of the five locations counted in 2009, and put NE 12th Street, west of 116th Avenue NE on the list for volunteers to count on-site. However, the city was in the process of testing a new traffic camera system during count period and the camera at the Bellevue Way, north of 4th Street was not able to make recordings.

Using a list of traffic camera locations with recording capabilities, a forth location was selected at the entrance to the Lake Washington Loop trail along the Lake Washington Loop Trail, at Coal Creek Parkway SE and I-405 (M). This location was selected as it located along on a bicycle corridor (NS-2: Lake Washington Loop) designated within the City's the 2009 Pedestrian and Bicycle Transportation Plan report. New city-wide bicycle wayfinding signage is planned, and will provide direction pedestrians and bicyclists to this trail. Transportation Department staff is encouraged to count this location again in 2013 to build data to analyze how this wayfinding and other improvements may influence usage and count volume.

Image 4: Lake WA Loop Trail, at Coal Creek Pkwy (M)

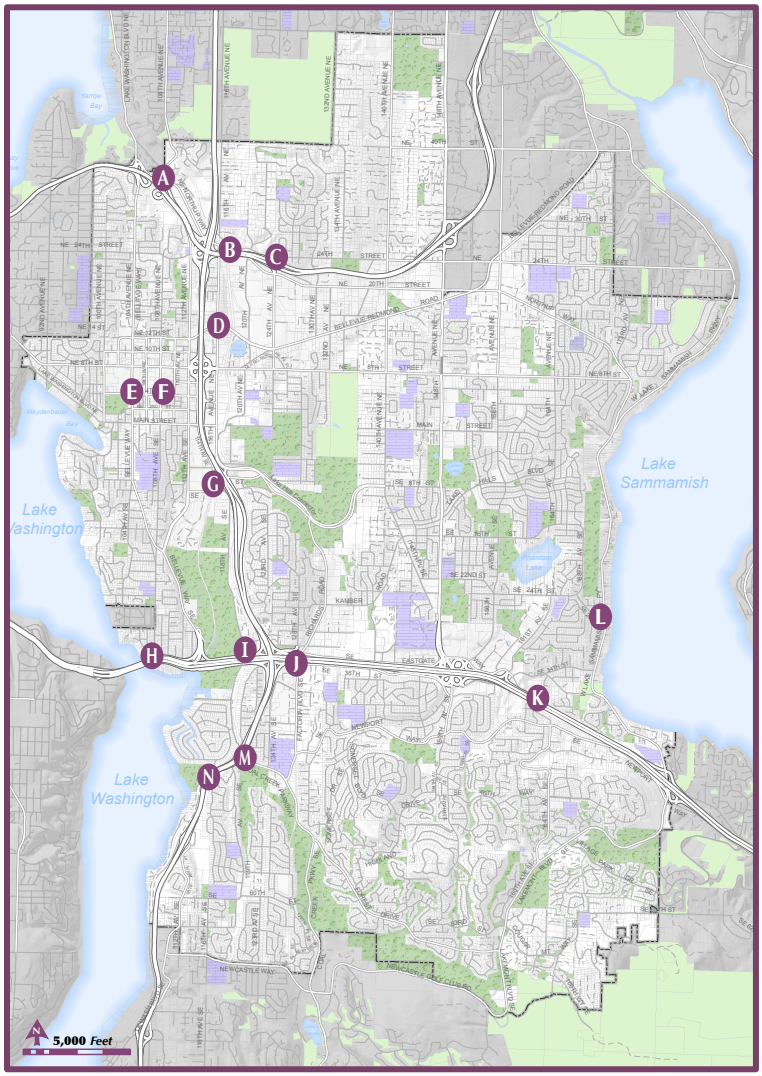
4. 2012 COUNT LOCATIONS

Of the fourteen total locations at which pedestrian and bicycle counts have been recorded in the past, a total of eleven locations were recorded during the 2012 counts. Transportation Department staff collected data at four primary locations using traffic camera recordings and screenline counts. Volunteers with Cascade Bicycle Club recorded on-site count volumes at an additional seven intersections, upon request by Transportation Department staff.

The two locations not recorded in 2012 are Bellevue Way NE, north of NE 4th Street (E) and 118th Avenue SE, north of the I-90 Trail (I). These locations were only excluded due to technology and volunteer resource constraints. The City should aim to collect data at all fourteen count locations during annual count periods in the future.

4.1 – Map of Bellevue Count Locations

Figure 1: Count Locations in the City of Bellevue



4.2 – List of Bellevue Count Locations

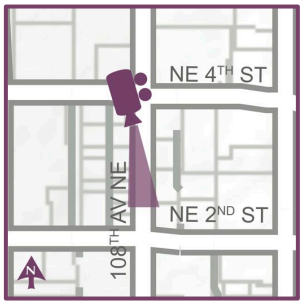
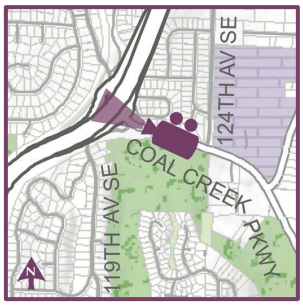
Table 1: Pedestrian and Bicycle Count Locations in Bellevue

Pedestrian and Bicycle Count Locations *City of Bellevue, Washington*			
A	108th Ave NE N/O NE Northup Way	**H**	I-90 Trail at Enatai
B	115th Ave NE E/O 116th Ave NE	**I**	118th Ave SE N/O I-90
C	SR 520 Trail at NE 24th St	**J**	I-90 Bike Trail W/O Factoria Blvd SE
D	NE 12th St W/O 116th Ave NE	**K**	I-90 Sunset Bike Trail E/O Eastgate Way
E	Bellevue Way N/O NE 4th St	**L**	West Lake Sammamish S/O SE 26th St
F	108th Ave NE S/O NE 4th St	**M**	Lake WA Loop Trail at Coal Creek Parkway SE
G	114th Ave SE N/O SE 8th St	**N**	Lake WA Loop Trail at Newcastle Beach Park

4.3 – Count Locations & Screenlines

As described in section 2.2, Transportation Department staff utilizes existing traffic cameras to record activity at up to four locations during the annual pedestrian and bicycle counts.

Table 2: Primary Count Locations in 2012

Count Locations: 2012		
Count Location	**Photo of Location & Screenlines**	**Camera Location & Orientation**
LOCATION A: ***108th Ave NE*** *north of* ***NE Northup Way***		
LOCAITON F: ***108th Ave NE*** *south of* ***NE 4th St***		
LOCATION G: ***114th Ave SE*** *north of* ***SE 8th St***		
LOCATION M: ***Lake Washington Loop Trail*** *at* ***Coal Creek Parkway SE***		

5. RESULTS AND ANALYSIS

During the 2012 counts, an average of 730 pedestrians and 166 bicyclists were recorded each day at the four locations counted by Transportation Department Staff. For both modes, approximately 40% of these trips were counted during the AM peak period, from 7:00 and 9:00 AM, and 60% occurred during the PM peak period, from 4:00 to 6:00 PM.

Table 3: Average Weekday AM Peak Period Counts

Average Weekday AM Peak Period Counts: 2012 *Recorded in 15-Minute Intervals*								
7-9 AM 2012	A: 108th Ave NE & NE Northup Way		F: 108th Ave NE & NE 4th St		G: 114th Ave SE & SE 8th St		M: Lake WA Loop @ Coal Creek Pkwy SE	
Time	Ped	Bike	Ped	Bike	Ped	Bike	Ped	Bike
7:00	4	1	14	0	3	0	3	5
7:15	11	0	26	2	1	2	0	2
7:30	5	1	38	4	1	4	2	2
7:45	4	5	41	0	0	0	0	1
8:00	2	1	26	1	0	1	2	3
8:15	2	2	30	3	1	3	0	4
8:30	0	9	40	1	1	1	2	2
8:45	4	2	32	1	0	1	0	2
TOTAL	32	21	247	12	7	12	9	21

Table 4: Average Weekday PM Peak Period Counts

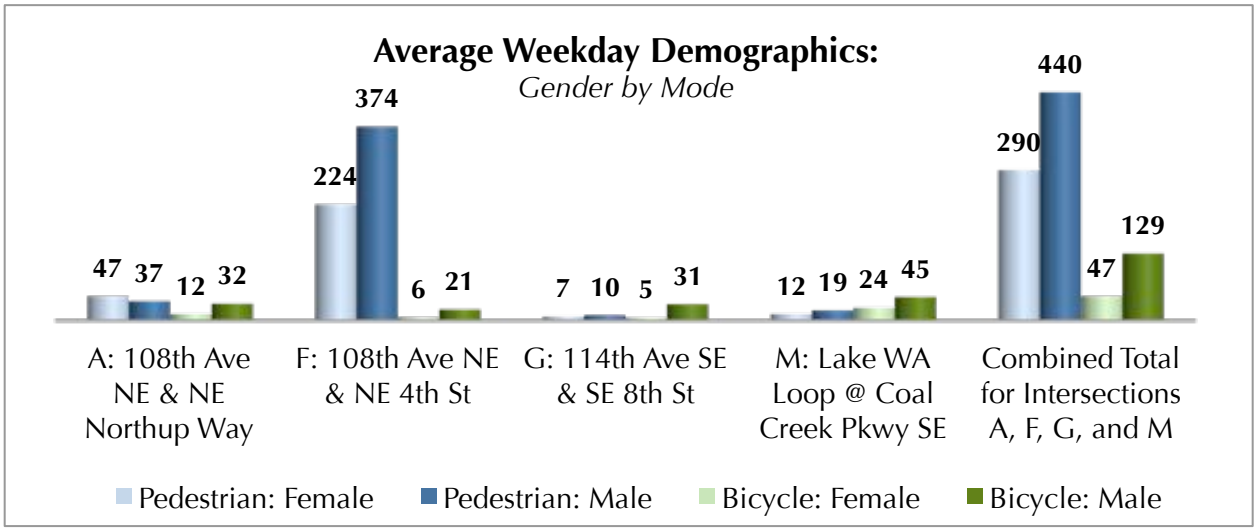
Average Weekday PM Peak Period Counts: 2012 *Recorded in 15-Minute Intervals*								
4-6 PM 2012	A: 108th Ave NE & NE Northup Way		F: 108th Ave NE & NE 4th St		G: 114th Ave SE & SE 8th St		M: Lake WA Loop @ Coal Creek Pkwy SE	
Time	Ped	Bike	Ped	Bike	Ped	Bike	Ped	Bike
7:00	7	0	43	1	1	0	1	1
7:15	10	4	38	3	1	2	3	4
7:30	3	2	39	1	1	4	9	5
7:45	5	4	41	2	0	0	4	5
8:00	7	5	63	3	5	1	3	5
8:15	6	2	38	4	1	3	0	7
8:30	8	3	43	2	0	1	1	16
8:45	6	3	46	1	1	1	1	5
TOTAL	52	23	351	17	10	12	22	48

5.1 – 2012 Demographics by Gender and Mode

Of the combined total of pedestrian and bicyclists counted at the four locations recorded using traffic cameras, 37.2% of users were female and 62.8% were male. This split was similar for

pedestrian counts, where 39.7% pedestrians recorded were female and 60.3% were male. Among bicyclists counted, only 26.7% were female and 73.3% were male. The only location where more female users were recorded than male is 108th Avenue NE, north of NE Northup Way (A), where 56% of pedestrians counted were female.

Figure 2: Average Weekday Demographics



At the two locations along 108th Avenue NE (A and F), more pedestrians than bicyclists were recorded. The contrast was greatest at 108th Avenue NE, south of NE 4th Street (F), where 95.7% of users were pedestrians and only 4.3% of users were traveling by bicycle. Fewer pedestrians than bicyclists, however, were observed at the two locations south of Downtown (G and M). At the Lake Washington Loop Trail location (M), a total of 69% of users recorded were riding bicycles and the remaining 31% were pedestrians. Similarly, 67.9% of users counted were bicyclists and 32.1% were traveling by foot at 114th Avenue SE, north of SE 8th Street (G).

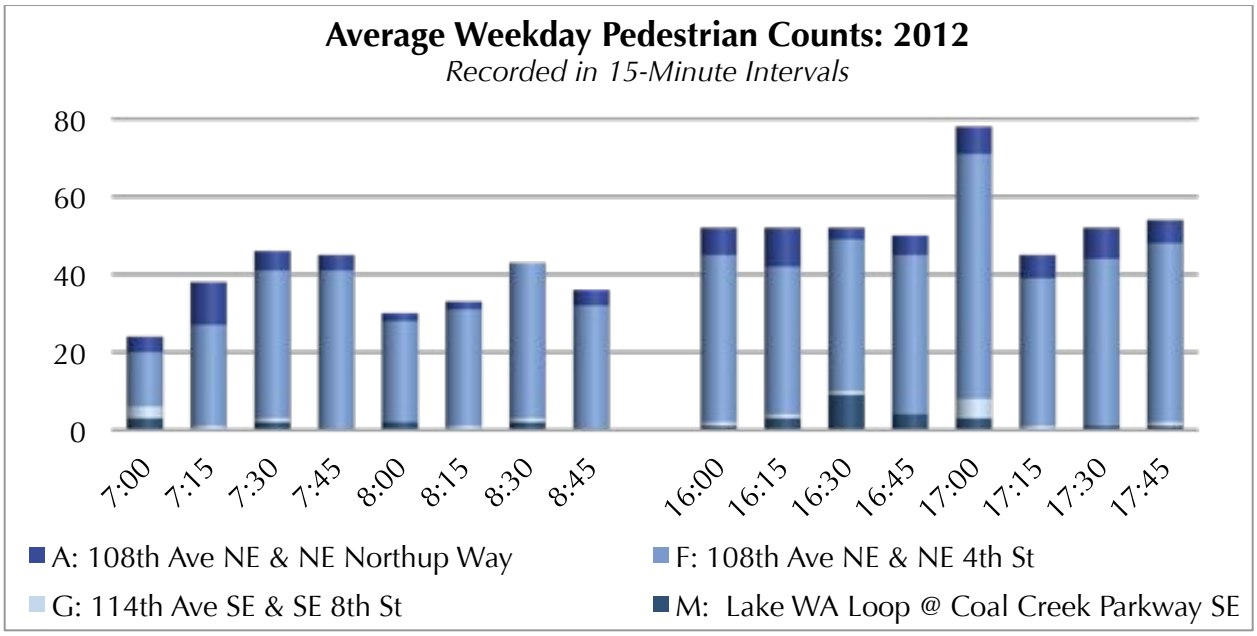
Image 5: 108th Ave NE and NE 4th St (F)

5.2 – 2012 Pedestrian Counts

In 2012 among the count locations coordinated by Bellevue, the greatest pedestrian volumes were counted during the 15-minute interval beginning at 5pm. During this single interval, a 10.7% of the average weekday pedestrian counts were recorded. Of the four count locations

counted by Transportation Department staff, 108th Avenue NE east of NE 4th Street (F) had by far the highest observed pedestrian volumes. Counts at this location accounts for 83.7% of pedestrians recorded during the AM peak period and 80.6% pedestrian counts during the PM peak period. The count location at 108th Avenue NE north of NE Northup Way (A) had the second highest pedestrian volumes, where 10.8% and 11.9% of all pedestrian counted in 2012 were recorded in the AM and PM peak periods, respectively.

Figure 3: Average Weekday Pedestrian Counts



A notable increase in PM peak period pedestrian volumes was observed at I-90 Trail, west of Factoria Boulevard (J) from 2011 and 2012. This activity may be explained by an off-street path shared by bicyclists and pedestrians that was built in early 2012, providing a pleasant nonmotorized route connecting Factoria Boulevard to 124th Avenue SE and the Factoria Mall. In juxtaposition to this location's increase is a 43.1% decline in pedestrians counted on the I-90 Trail at Enatai Beach Park (H) during the PM peak period.

Table 5: Annual AM and PM Pedestrian Counts

Annual AM and PM Peak Period Pedestrian Counts: 2009 – 2012									
		2009		2010		2011		2012	
No.	Location	AM	PM	AM	PM	AM	PM	AM	PM
A	108th Ave NE N/O NE Northup Way	19	11	-	38	28	32	32	52
B	115th Ave NE E/O 116th Ave NE	4	27	-	-	-	-	6	11

C	SR 520 Trail at NE 24th St	-	-	-	-	-	-	6	15
D	NE 12th St W/O 116th Ave NE	32	27	16	16	-	79	52	-
E	Bellevue Way N/O NE 4th St	265	359	-	443	229	569	-	-
F	108th Ave NE S/O NE 4th St	-	361	-	368	441	507	247	351
G	114th Ave SE N/O SE 8th St	295	6	-	16	9	9	7	10
H	I-90 Trail at Enatai Beach Park	-	-	-	-	10	91	-	47
I	118th Ave SE N/O I-90	-	-	-	-	-	-	-	-
J	I-90 Bike Trail W/O Factoria Blvd SE	-	-	-	-	48	11	50	111
K	I-90 Sunset Bike Trail E/O Eastgate Way	-	-	-	-	-	23	7	18
L	West Lake Sammamish S/O SE 26th St	-	-	-	-	2	4	6	16
M	Lake WA Loop Trail at Coal Creek Parkway SE	-	-	-	-	-	-	9	22
N	Lake WA Loop Trail at Newcastle Beach Park	-	-	-	-	16	-	4	12
TOTAL		615	791	16	881	783	1325	426	665

Of the three count locations that Transportation Department staff recorded in both 2011 and 2012, annual pedestrian volumes only increased during the AM and PM peak periods at 108th Avenue NE, north of NE Northup Way (A). Substantially fewer pedestrians were recorded at 108th Avenue NE, south of NE 4th Street (F), where 44% and 30.8% fewer pedestrians were counted during the AM and PM peak periods, respectively. Recorded volumes in 2011 at this location were considerably higher than the previous two years. Counts during the PM peak period in 2012 are similar to those in 2009 and 2010, so this decline may indicate that 2011 was an anomaly for an independent variable not considered by the count methodology—such as, a public event or conference.

Table 6: Change in Peak Period Pedestrian Volumes

Peak Period Pedestrian Volumes *Change from 2011 to 2012*				
Year	Time Period	A: 108th Ave NE & NE Northup Way	F: 108th Ave NE & NE 4th St	G: 114t Ave SE & SE 8th St
2011	AM Peak	28	441	9
2011	PM Peak	32	507	9
2012	AM Peak	32	247	7
2012	PM Peak	52	351	10
AM Change		4	-194	-2
PM Change		20	-156	1
AM % Change		**14.3%**	**-44.0%**	**-22.2%**
PM % Change		**62.5%**	**-30.8%**	**11.1%**

5.3 – 2012 Bicycle Counts

In 2012, 13.3% of all recorded bicyclists at the four locations coordinated by Transportation Department staff were counted during the 15-minute interval from 5:30pm to 5:45pm. Similar to pedestrian travel volumes recorded this year, 39.8% of bicycle trips were recorded during the AM peak period and 60.2% were counted during the PM peak period. Unlike recorded pedestrian count patterns, bicycle volumes were not as consistent during count periods and there is greater range in riders recorded among the 15-minute count intervals. For instance, from 4pm to 4:15pm, a daily average of 2 riders were recorded which only accounts for 1.2% of bicycle trips. During the following 15-minute interval beginning at 4:15pm, a daily average of 13 bicycles were recorded accounting for 7.8% of all bicycles counted in 2012.

The count location on the Lake Washington Loop at Coal Creek Parkway SE (M) had the highest recorded bicycle volume in 2012 of the four locations coordinated by the City of Bellevue. It is especially interesting that the location at Coal Creek Parkway SE (M) was the busiest for bicycles, as this was the first year that counts were recorded at this location. A total of 41.6% of bicyclists observed across the four primary locations occurred at this location (M), with 72.7% of recorded bicycle trips occurring during the PM peak period. The 15-minute interval beginning at 8:30am was especially busy at 108th Avenue NE, north of NE Northup Way (A), during which time 20.5% of all bicycles counted at this location here were recorded. Of the four primary locations, 114th Avenue SE, north of NE 8th Street (G) was observed with the lowest bicycle volumes, where 18% of all bicyclists were counted during both the AM and PM peak periods.

Figure 4: Average Weekday Bicycle Counts

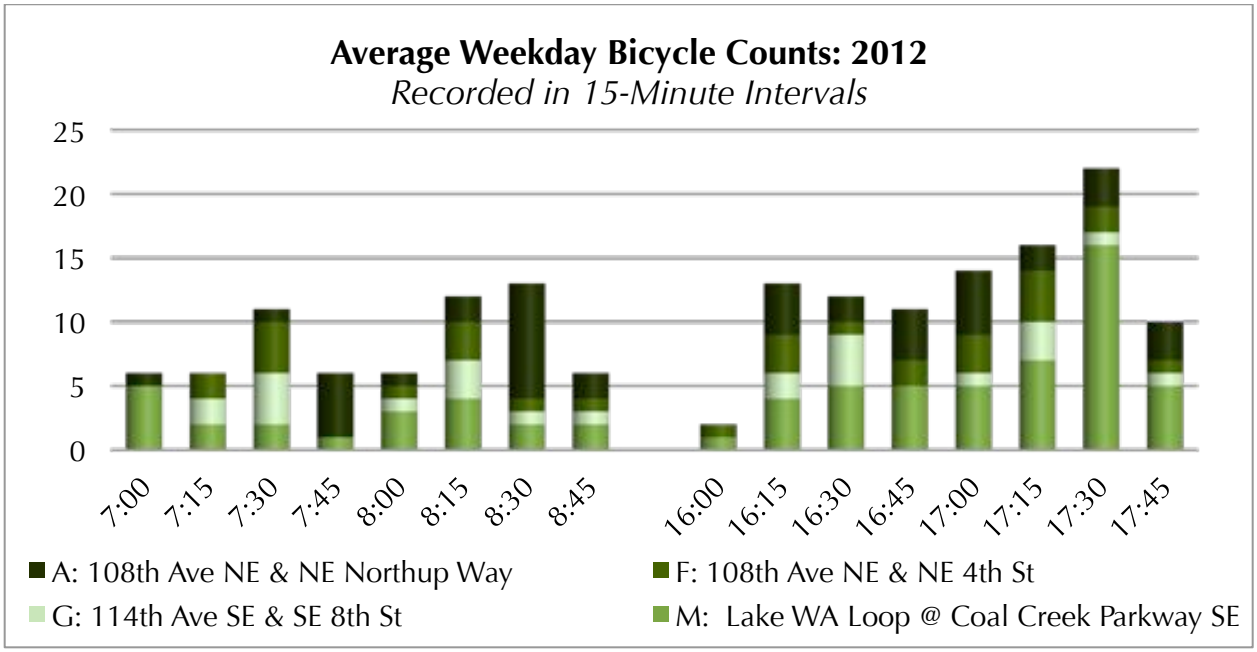


Table 7: Change in Average Weekday Bicycle Volumes

Average Weekday Bicycle Volumes: 2012 *Change from 2009*	A	B	C	D	F	G	H	J	K	L	N
2009	40	19	46	44	26	31	193	78	25	8	46
2012	44	37	68	18	27	36	194	168	26	20	117
Change	4	18	22	-26	1	5	1	90	1	12	71
% Change	**10%**	**95%**	**48%**	-59%	**4%**	**16%**	**1%**	**115%**	**4%**	**150%**	**154%**

Historically, the City of Bellevue has collected more data on bicycle volumes than pedestrians. This is in part a result of the pneumatic tube technology that automates counts of bicyclists and was used by the City in 2009 and 2010. For those locations where AM and PM peak period bicycle counts have been collected consistently from 2009 to 2012, all but one show an increase in ridership (see Table 7 and Figure 5). A 150% and 154% increase in bicyclists counted at West Lake Sammamish south of SE 26th Street (L) and the Trail at Newcastle Beach Park (N), respectively. The count locations at 108th Avenue NE, north of NE 4th Street (F), the I-90 Trail at Enatai Beach Park (H), and the I-90 Sunset Bike Trail, south of Factoria Boulevard SE (K) retained relatively the same number of bicyclists in 2012 that were recorded in 2009.

Figure 5: Change in Average Weekly Bicycle Volumes

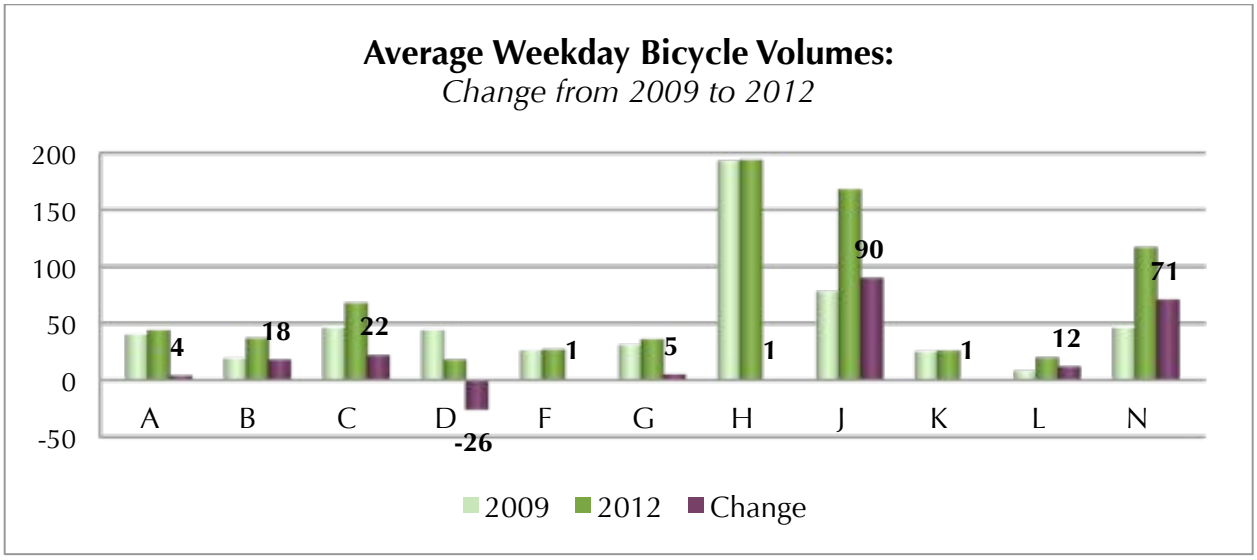


Table 8: Annual AM and PM Bicycle Counts

Annual AM and PM Peak Period Bicycle Counts: 2009 – 2012		2009		2010		2011		2012	
No.	**Location**	**AM**	**PM**	**AM**	**PM**	**AM**	**PM**	**AM**	**PM**
A	***108th Ave NE N/O NE Northup Way***	19	21	6	9	4	12	21	23
B	***115th Ave NE E/O 116th Ave NE***	8	13	17	20	-	-	16	21
C	***SR 520 Trail at NE 24th St***	24	22	24	42	-	-	30	38

D	*NE 12th St W/O 116th Ave NE*	24	20	17	25	-	27	18	-
E	*Bellevue Way N/O NE 4th St*	3	5	3	12	9	13	-	-
F	*108th Ave NE S/O NE 4th St*	11	15	16	19	19	19	10	17
G	*114th Ave SE N/O SE 8th St*	14	17	39	42	21	39	12	24
H	*I-90 Trail at Enatai*	61	98	119	182	143	188	-	194
I	*118th Ave SE N/O I-90*	22	28	39	67	-	-	-	-
J	*I-90 Bike Trail W/O Factoria Blvd SE*	35	43	62	76	63	85	51	117
K	*I-90 Sunset Bike Trail E/O Eastgate Way*	8	17	16	20	-	23	12	14
L	*West Lake Sammamish S/O SE 26th St*	3	5	4	20	2	15	7	13
M	Lake WA Loop Trail at *Coal Creek Parkway SE*	-	-	-	-	-	-	21	48
N	*Lake WA Loop Trail at Newcastle Beach Park*	17	29	20	69	30	-	30	87
TOTAL		**247**	**333**	**382**	**603**	**269**	**405**	**228**	**596**

As was true for the change in pedestrian counts, 108th Avenue NE, north of NE Northup Way (A) was the only count location coordinated by Transportation Department staff where increased bicycle volumes were observed (see Figure 6). An average of 425% more bicycles were recorded at this location during the PM peak period in 2012, than was recorded in 2011. Ridership also increased by 91.7% during the PM peak period at this location. The other two locations, however, were recorded with decreased bicycle volumes from 2011 to 2012. This drop in bicycles counted was the most substantial at 114th Avenue SE, north of NE 8th Street (G), where 69.2% fewer bicyclists were counted during the PM peak period. The count location at 108th Avenue NE, north of NE 4th Street experienced a similar decline in bicycles counted during the AM peak period, but the PM counts were only 10.5% lower in 2012 than they were in 2011.

Figure 6: Change in Peak Period Bicycle Volumes

Peak Period Bicycle Volumes *Change from 2011 to 2012*				
Year	**Time Period**	**A: 108th Ave NE & NE Northup Way**	**F: 108th Ave NE & NE 4th St**	**G: 114th Ave SE & SE 8th St**
2011	**AM Peak**	4	19	21
2011	**PM Peak**	12	19	39
2012	**AM Peak**	21	12	12
2012	**PM Peak**	23	17	12
	AM Change	17	-7	-9
	PM Change	11	-2	-27
	AM % Change	**425.0%**	**-36.8%**	**-42.9%**
	PM % Change	**91.7%**	**-10.5%**	**-69.2%**

A. APPENDIX – Annual Weather Conditions

Table 9: Annual Weather on Count Dates

Annual Weather on Count Dates: 2009-2012			
Year	**Date**	**Temperature**	**Conditions**
2009	29-Sep	48 °F	Fair
2010	5-Oct	48.8 °F	Sunny to Clear
2011	27-Sept / 28-Sept / 29-Sept	52.4 °F	Clear to Mostly Cloudy
2012	25-Sept / 26-Sept / 27-Sept	64.3 °F	Clear to Scattered Showers

B. APPENDIX – 2012 Count Sheet

Table 10: Count Sheet used for Screenline Counts

Pedestrian and Bicycle Count: City of Bellevue *Screenline Count Form (2012)*						
Data Collector Name:	*name*		**Weather Conditions:**	describe weather		
Data Collection Date:	*date dvd viewed*		**Avg. Temperature:**	note temperature		
Count Date:	*recording date*		**Avg. Humidity**	look up humidity		
Count Time:	PM Peak Period		**Wind Speed:**	look up wind speed		
Location A:	**108th Avenue NE, north of NE Northup Way**					
	Bicyclists		**Pedestrians**		**Other Nonmotorized**	
Time Interval	Female	Male	Female	Male	Female	Male
16:00-16:15						
16:15-16:30						
16:30-16:45						
16:45-17:00						
17:00-17:15						
17:15-17:30						
17:30-17:45						
17:45-18:00						
Total:	-	-	-	-	-	-
Location F:	**108th Avenue NE, south of NE 4th Street**					
	Bicyclists		**Pedestrians**		**Other Nonmotorized**	
Time Interval	Female	Male	Female	Male	Female	Male
16:00-16:15						
16:15-16:30						
16:30-16:45						
16:45-17:00						
17:00-17:15						
17:15-17:30						

17:30-17:45						
17:45-18:00						
Total:	-	-	-	-	-	-
Location G:	**114th Avenue SE, north of SE 8th Street**					
	Bicyclists		**Pedestrians**		**Other Nonmotorized**	
Time Interval	Female	Male	Female	Male	Female	Male
16:00-16:15						
16:15-16:30						
16:30-16:45						
16:45-17:00						
17:00-17:15						
17:15-17:30						
17:30-17:45						
17:45-18:00						
Total:	-	-	-	-	-	-
Location M:	**Coal Creek Parkway, at the Lake WA Loop and I-405**					
	Bicyclists		**Pedestrians**		**Other Nonmotorized**	
Time Interval	Female	Male	Female	Male	Female	Male
16:00-16:15						
16:15-16:30						
16:30-16:45						
16:45-17:00						
17:00-17:15						
17:15-17:30						
17:30-17:45						
17:45-18:00						
Total:	-	-	-	-	-	-

C. APPENDIX – Count Sheet Instructions

When recording nonmotorized road users for the annual Pedestrian and Bicycle counts, staff or volunteers are asked to follow five basic instructions that all agencies and jurisdictions involved the statewide documentation project. These guidelines include:

1. Count for two hours in 15-minute intervals;
2. Count bicyclists who ride on the sidewalk;
3. Count the number of people on bicycles, not the number of bicycles;
4. Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc; and
5. People using equipment such as skateboards or rollerblades should be included in the "other nonmotorized" category.

D. APPENDIX – Map of Bicycle Priority Corridors and Count Locations

Figure 7: Bicycle Corridors and Count Locations in Bellevue

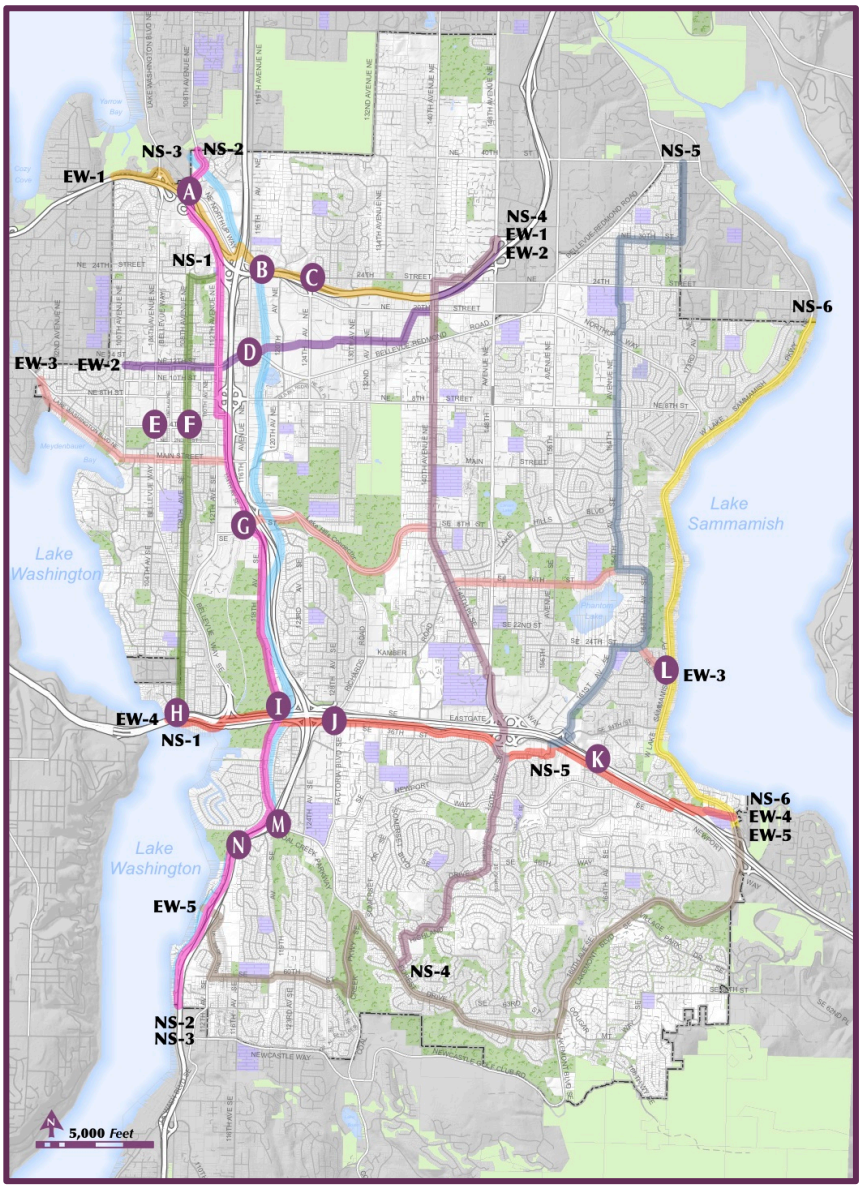


Table 11: Bicycle Priority Corridors in Bellevue

Designated Bicycle Priority Corridors: Bellevue, WA			
No.	*North-South Connections*	No.	*East-West Connections*
NS-1	Enatai-Northtown Connection	EW-1	520 Trail
NS-2	Lake Washington Loop Trail	EW-2	Downtown-Overlake Connection
NS-3	BNSF Trail Corridor	EW-3	Lake to Lake Trail
NS-4	Somerset-Redmond Connection	EW-4	Mountain-to-Sound Greenway
NS-5	Spirit Ridge-Sammamish River Connection	EW-5	Coal Creek-Cougar Mountain Connection
NS-6	West Lake Sammamish Parkway		