# Regional Bicycle and Pedestrian Counts

*UPWP TASK No. 3640-13*

Prepared by:

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# 1. INTRODUCTION

Southern Nevada, like many communities in the western United States, is highly dependent on an automobile-centric transportation system. As our region's population continues to increase and diversify, there is a growing demand to provide a more multi-modal transportation system that provides accommodations for transit, bicycles, and pedestrians in the same roadway footprint.

The Regional Transportation Commission of Southern Nevada (RTC) and local agencies would like to understand existing levels of pedestrian and bicycle activity, and quantify the long-term of multi-modal transportation improvements before investing limited funds towards these projects. However, data on existing levels of bicycle and pedestrian activity in Southern Nevada and nationwide is limited. This makes it difficult for transportation planners and engineers to understand current demands and justify future investments towards bicycle and pedestrian projects. This study aims to fill that data gap.

## 1.1 Project Overview

The RTC would like to establish a methodology to document bicycle and pedestrian counts at selected locations that would re-occur in future years. The data gathered in this process will be used to establish trends over time, as well as quantify the usage of existing bicycle/pedestrian facilities, which in turn can be used to estimate future demand on these facilities. This data may be used to identify and prioritize multi-modal improvement projects.

## 1.2 Study Objectives

Bicycle and pedestrian mode share data in Southern Nevada is very limited; transportation planners and engineers have relied on region-wide estimates from the U.S. Census Bureau and the RTC Travel-Demand Model to quantify existing demand levels. This study is RTC's first step towards their goal of establishing a robust bicycle/pedestrian mode share data for the region.

CA Group was selected to assist the RTC in their effort to develop a data gathering methodology with the following objectives:

- Identify preferred multi-modal count locations
- Gather bicycle and pedestrian data using automated count technology
- Compare the accuracy of automated count technology
- Insure that the data collection is consistent with the National Bicycle & Pedestrian Documentation Project (NBPD)
- Recommend a long-term multi-modal count technology

## 2. AUTOMATED TECHNOLOGY REVIEW

As demand for multi-modal traffic counts increases, developers have produced a variety of technologies for more efficient and reliable count data. This study looked at the following technologies commonly used to count bicycles and pedestrians:

- Video imaging
  - Traditional video capture and review – the video is played back at a high rate of speed and data is captured and logged by a technician.
  - Automated variation of traditional video review – requires a video image processing system, which gathers data by analyzing pixel changes. These systems are often vulnerable to visual obstructions, and often come with inaccuracies if set-up is done improperly due to the nature of the image processing system.
- Microwave-radar technologies
  - Works on Doppler Effect, by transmitting electromagnetic waves and analyzing the reflected signals to determine object distance and speed. This technology can operate in adverse environmental conditions, including poor weather and visibility. However, accuracy is limited to the type of reflection surface, as waves may bounce off of various surfaces differently, throwing off readings. This method is also more useful for the distance of a pedestrian; not merely the existence of one.
- Infrared detection
  - Passive infrared technology - detects a change in thermal contrast, essentially making an image of heat, produced by a pedestrian or bicyclist. Heavily used and portable, this method, however, sees inaccuracies in distinguishing between bicycle and pedestrian traffic, as well as discerning through groups of pedestrians and bicyclists.
  - Active infrared technology – gathers data when an infrared beam is broken by a pedestrian or bicyclist. Highly portable, this technology allows for long-term data collection, but is generally not appropriate for outdoor use due to the sensors' sensitivity to interferences.
- Inductive loops
  - Loops are commonly used at traffic intersections or other roadway facilities, and consist of a magnetic coil embedded in the road's surface coupled with a detector. When a vehicle or other metal body crosses this loop, it completes a path for the loop's magnetic field, which the detector then senses. This technology is very intrusive in installation, is not portable and is not used to detect pedestrians.
- Pneumatic tubes
  - Rubber pneumatic tubes detect vehicle or bicycle traffic by detecting changes in air pressure in a rubber tube that is spread across a corridor when wheels cross and press down on the tube. This is an extremely portable method; however, this system has limited lane coverage, and is not meant for long-term use as the tubes can be damaged by vehicles or roadway maintenance.

- Piezometric plates
  - These plates sense change in pressure on the plates to detect bicycles and pedestrians.  Most applications of this technology are not portable in that the pressure plates need to be physically installed in the sidewalk or trail facility.

These technologies offer a variety of useful data, with each technology best suited for a particular location environment. Additionally, each of these technologies has very different costs and portability attributes. Video imaging, being either automatic or manual playback, usually comes with the highest cost, ranging up to $8,000, typically due to higher staff costs. Radar and infrared technology is easily movable from location to location, but the price can vary dramatically from $800 to $7,000 based on individual specifications, installation, and intended use.  Inductive loops, with a typical price of around $2,000 to $3,000, offers accurate information but at the drawback of no portability with intrusive installation.  Bicycle pneumatic tubes, on the other hand, are one of the most portable methods and offers specific data for bicycle traffic at a typical price of approximately $1,500; though often for only short-term applications due to the low-durability of the pneumatic tubes.

## 3. TECHNOLOGY USED FOR THE STUDY

Portability was emphasized during product selection to enable repeat use at multiple locations.  In consultation with the RTC, two methods of automated counting technology were chosen for this study. Passive infrared technology was chosen for pedestrian counts, and pneumatic tubes were employed for quantifying bicycle traffic. Both methods were marketed to provide acceptable data collection quality with the additional benefit of easy installation, high portability and relatively low cost.

To enable a comparative assessment, traditional video capture and non-automated review by a technician was used at all of the same site locations for its proven accuracy; even at a higher staff cost. Video capture creates a reviewable record of the count period, enabling a validation process to check for errors of the passive infrared and pneumatic tubes technology.  Additionally, the video capture provides the RTC an opportunity to analyze the data gathered in greater detail to glean further demographic information of pedestrians and bicyclists.

The video capture system used for the study was able to capture and store video for a minimum of 24 consecutive hours in a MPEG format (saved in hourly video files) with a minimum frame rate of 30 frames per second.  The video camera resolution for the system shall be 704 X 576 and have an adjustable field of view to be able to capture the required area.  The complete specification for video camera system used in this study is provided in Appendix A.

## 4. MULTI-MODAL COUNT LOCATIONS

The count locations for this study were selected upon consultation with project stakeholders and were based on factors such as existing bicycle/pedestrian facilities, high accident locations and corridors, transit access and nodes, planned projects, integration with existing annual automobile traffic monitoring programs, and the mix of surrounding land use types. The RTC also desired that some count locations be co-located with their Freeway and Arterial System of Transportation (FAST) cameras. This gives the RTC the option to use the FAST cameras in the future to track trends over time by comparing them to the counts collected during this study.

The following is the list of 24 locations and the jurisdictions where bicycle & pedestrian counts were collected for this study.

➢ **CITY OF LAS VEGAS**
1. Hoover Ave. east of Casino Center Blvd.
2. Bonneville Ave. east of Casino Center Blvd.
3. Main St. north of Imperial Ave.
4. Alta Dr. at Essex Dr.
5. Las Vegas Blvd. north of Charleston Blvd.
6. Tenaya Wy. south of Smoke Ranch Rd.
7. Washington Ave. at H St.

➢ **CITY OF NORTH LAS VEGAS**
1. Las Vegas Blvd. north of Civic Center Dr.
2. Tropical Pkwy. east of Lawrence St.
3. Clayton St. south of Lone Mountain Rd.
4. Alexander Rd. west of Simmons St.
5. Belmont St. south of Lake Mead Blvd.
6. Gowan Rd. west of Englestad St.

➢ **CITY OF HENDERSON**
1. Horizon Ridge Pkwy. east of Stephanie St.
2. Lake Mead Pkwy. east of Boulder Hwy.
3. St. Rose Pkwy. east of Las Vegas Blvd.
4. Eastern Ave. north of Horizon Ridge Pkwy.
5. Eastern Ave. south of Serene Ave.
6. Eastern Ave. south of Windmill Ln.

➢ **CLARK COUNTY**
1. Maryland Pkwy. south of Sahara Ave.
2. Harmon Ave. east of Maryland Pkwy.
3. Flamingo Rd. west of Decatur Blvd.
4. Spring Mountain Rd. west of Valley View Blvd.
5. Silverado Ranch Blvd. west of Maryland Pkwy.
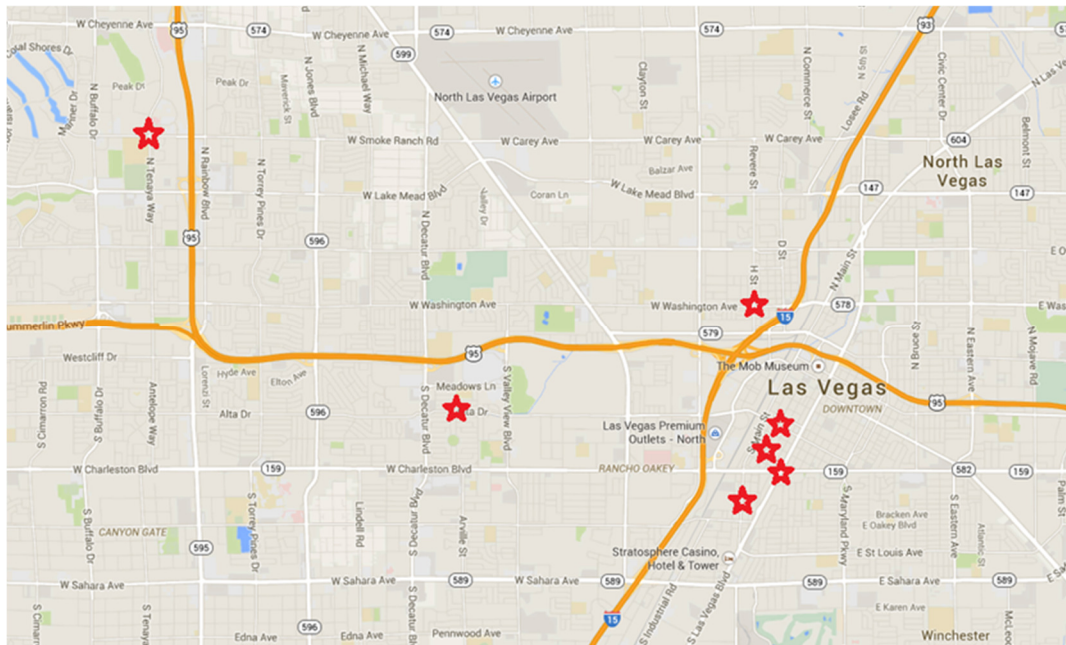
**City of Las Vegas Locations**
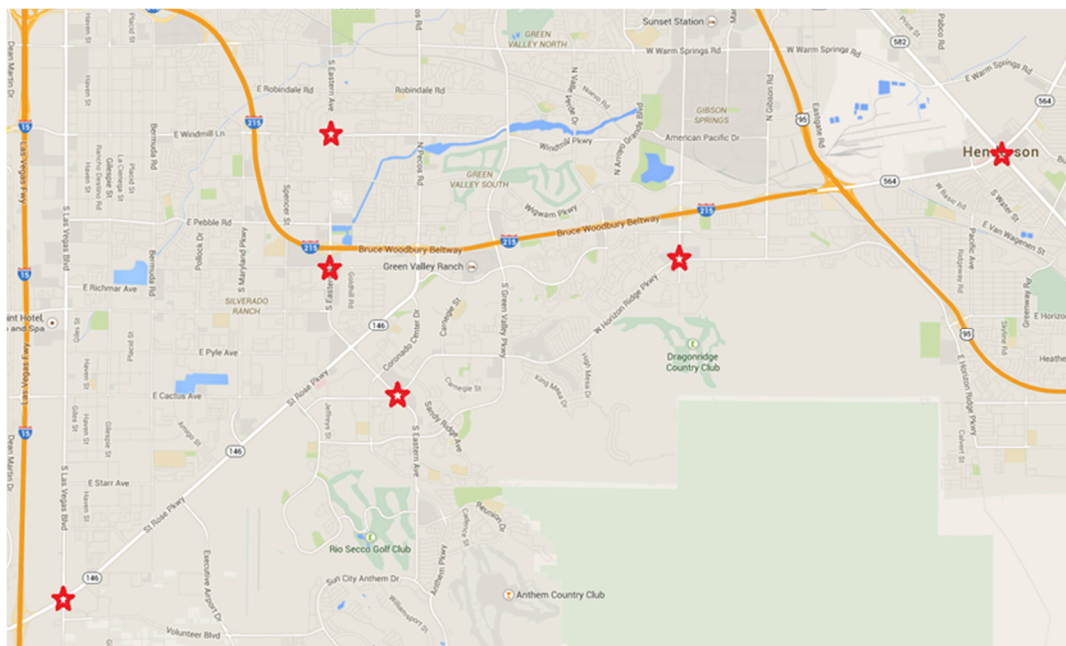


**City of Henderson Locations**
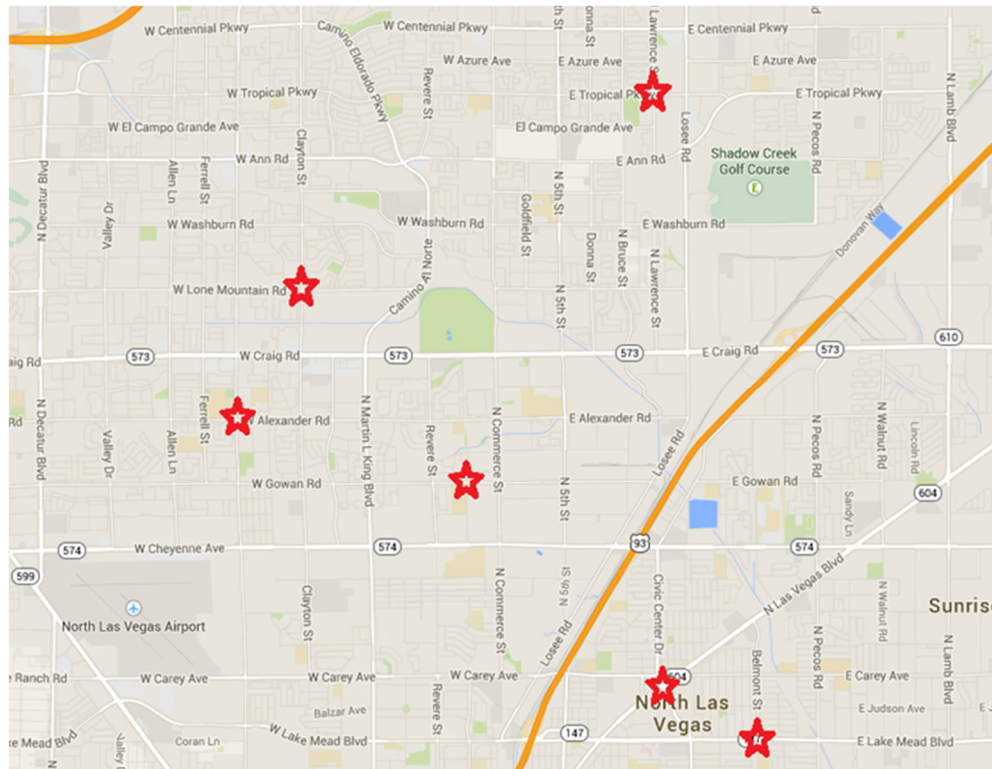
**City of North Las Vegas Locations**
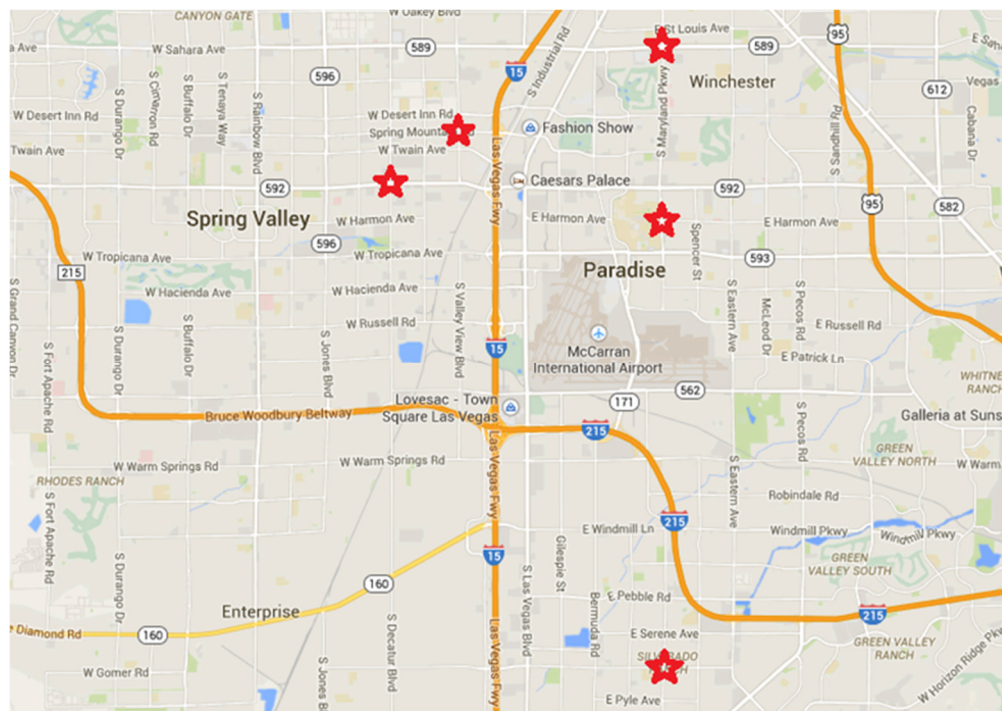


**Clark County Locations**

## 5. DATA COLLECTION REQUIREMENTS

Data collection procedures for this study were developed to insure that the data collection process is consistent with the NBPD. The NBPD recommends data collection from 5:00 PM to 7:00 PM for a weekday and 12 noon to 2:00 PM on Saturday. For this study, the data was collected during a continuous 24 hour typical weekday (Tuesday, Wednesday or Thursday) and on Saturday, during the scheduled K-12 school year at each of the 24 locations. This 24 hour data will allow the RTC to determine local peak-hours for bicycle and pedestrian traffic, which may differ from the peak-hours recommended in the NBPD and from other regions throughout the United States. Additionally, the peak-hours for bicycle and pedestrian use may be different than the well documented peak-hours for automobile traffic.

## 6. DATA COLLECTION PROCESS

After a determination of which automated counting technology to utilize, CA Group sought out equipment suppliers. The research identified that Eco-Counter as a manufacturer of both passive infrared (for pedestrian counts) and pneumatic tubes (for bicycle counts) and has been an industry leader in automated count technology. Both of these counting devices from Eco-Counter capture data consistent with the screen line data collection method required for this project.

### 6.1 Bicycle Counter Installation

Taking into account that not all 24 count locations for the study have designated bike lanes, the Eco-Counter's multi-system pneumatic tube counter for bicycle was chosen due to the counter's ability to differentiate vehicle type and count only bicycles on mixed use roadways. Bike lanes in the valley are generally located either curb side or adjacent to the shoulder/parking area, in these instances two pneumatic tubes twelve inches apart are installed extending to the bike lane, while the tubes were extended to the nearest travel lane on mixed used roadways.



**Exhibit 6.1: Pneumatic Tube Bicycle Counter installation**

## 6.2    Pedestrian Counter Installation

Eco Counter's Pyro Zoom passive infrared counter was chosen to collect pedestrian data.  As the data gathering progressed it was discovered that the Pyro Zoom counter is best used when it can be installed on a pole nearest to the curb, with the pedestrians walking between the counter and the back of the sidewalk as shown below.



**Exhibit 6.2: Pedestrian Counter installation**

However, most sidewalks have street light poles placed in the back of sidewalks, which necessitated the need to modify the installation of the Pyro Zoom to be installed overhead as shown below.



**Exhibit 6.3: Overhead Pedestrian Counter installation**

## 6.3    Video Camera Installation

For this study, the purpose of utilizing video playback data was to determine the accuracy of the data capture from both of the Eco-Counter automated counters. It is critical that the video cameras be installed in a location that captures the same area where the automated counters are gathering data. This enables the use of video data to validate the automated counters based on common data inputs.

## 7.  DATA ANALYSIS

After the data collection period, the automated counters were retrieved from the field and data from the counters were downloaded using propriety Eco-Link software.  The data was then exported to Microsoft Excel spread-sheet format.  A cursory review of the raw data was conducted to ensure that the data collected meets the minimum criteria of 24 hour continuous count for both a weekday and weekend day.  If the minimum criteria were not met from either of the counters, the consultant then checked if sufficient video data was captured to meet the minimum criteria.  If the video data was not sufficient, the counters and video cameras were both redeployed back in the field to gather data that meets the minimum criteria.

In order to gather the bicycle and pedestrian counts from the recorded video a technician played the video at 4X speed and when a group of bicycles and/or pedestrians was observed, the speed was reduced to real time playback to insure an accurate count.  These counts are then manually input to an Excel spread-sheet to be used for further analysis.

Once sufficient data was gathered, the bicycle and pedestrian count data from the Eco-Counter automated counters was compared with the available video playback data to determine an error/correction factor.

The error/correction factor was calculated at each location and counter by comparing the total number of bicycles/pedestrians observed from the video to the totals from the automated counters (during the same hours) as shown on the equation below. This mean that in the instance where we have only eight hours of video data (8am to 4pm) the total of bicycle and pedestrian observed by a technician for the eight hours are compared to the total from the automated counters for the same eight hours as shown on the equation below.

$$\text{Error Rate/Correction Factor} = \frac{(C_x - V_x)(100)}{V_x}$$

C = Counter Data
V = Video Data
x = Same number of hours

A negative value represents an under-counting while a positive value indicates over-counting by the automated counters. The calculated error rate/correction factor is intended for use to develop an estimated count from the automated counter data during the hours that video playback data is not available.

It should be noted that the calculated error/correction factor is not only location specific but also counter specific; so these calculated error/correction factor can only be used for this study

and is not intended to be applied to future automated count data is collected at the same location.

## 7.1  Bicycle Data

The varying bicycle facilities and street designs of the 24 count locations made it difficult to maintain the require separation of the pneumatic tubes on the sidewalk in order to count bicyclist riding on the sidewalks.  For this study the technician gathering data during video playback included bicyclist riding on the sidewalks in the total bicyclist observed; which will contribute to the discrepancy between automated bicycle counter data vs. video playback data, and was reflected in the error rate calculated.

Because the 24 count locations have different bicycle facilities and street design, locations with similar installation characteristics were group together for data analysis:

1. Curbside bike lane, shoulder + a bike lane, shoulder only (without bike lane) – these locations have limited interaction with vehicular traffic.
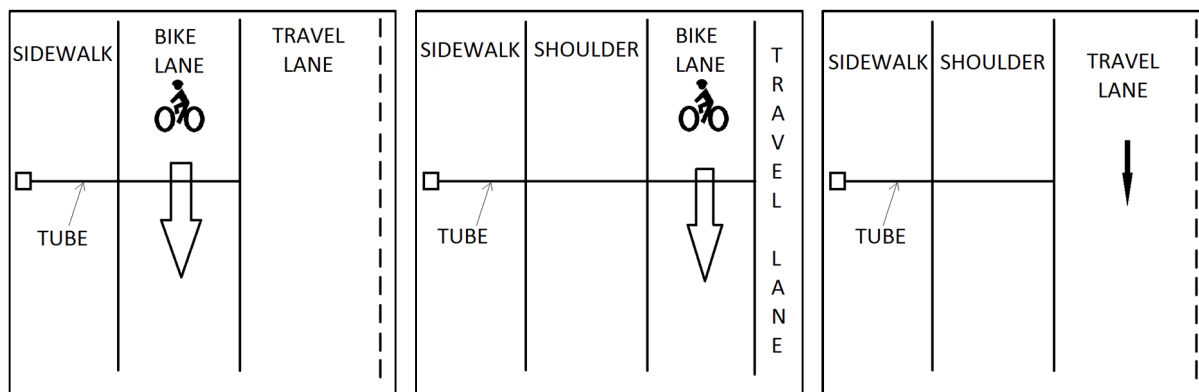


**Exhibit 7.1: Group 1 Bicycle Counter installation**

There are six locations that falls into this first group. The error/correction rate for each location in the first group is presented on Table 7.1 The error rate shown is representative of the automated counter data as compared and validated with the video data.  The error/correction rate calculation for each location is included in Appendix B and the error/correction rate presented is the rate from the two automated counters used, so for location (a) one counter was undercounting by 20% while the other was over counting by 30%.

**Table 7.1: Automated Counter Error Rate (Group 1 Bicycle)**

| Location | Calculated error rate |
|---|---|
| a. Hoover east of Casino Center | 20% reduction to 30% increase |
| b. Bonneville east of Casino Center | 16% to 63% reduction |
| c. Alta east of Essex | 6% to 13% reduction |
| d. Lake Mead Pkwy east of Boulder Hwy | 17% reduction to 150% increase |
| e. Harmon east of Maryland Pkwy | 6% reduction to 67% increase |
| f. St. Rose Pkwy east of Las Vegas Blvd | 37% to 43% reduction |

Graph 7.1 shows the total bicycles observed in a 24 hour weekday and weekend for each respective location in group 1. The observed data presented are mainly counts from video play back due to their higher accuracy. However during the instances (hours) when video data is not available, the site and counter specific correction factor was used to extract an estimated value from the automated bicycle counter. This process was repeated for all the other locations in this study.
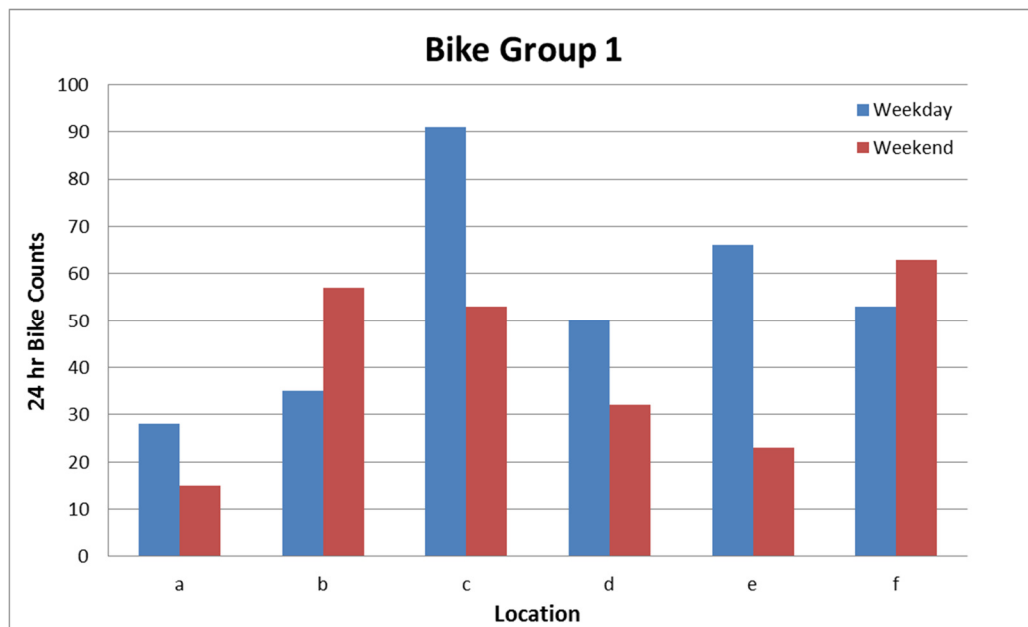


**Graph 7.1: Weekday & Weekend 24 hour counts (Group 1 bicycle)**

2.  Curbside bike lane & extend to the travel lane – these locations will have vehicular traffic driving over the pneumatic tubes, the intent of this installation was to address bicycle riders riding in a pack instead of single file on the bike lane.
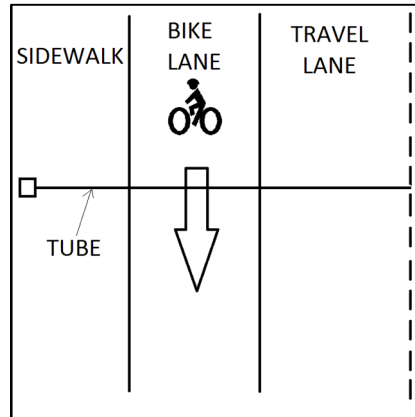


**Exhibit 7.2: Group 2 Bicycle Counter installation**

The second group has five locations, and the error/correction rater for each location in this group is presented on Table 7.2, the rate shown is representative of the automated counter data as compared to the available video data. The error/correction rate calculation for each location is included in Appendix B.

**Table 7.2: Automated Counter Error Rate (Group 2 Bicycle)**

| Location | Calculated error rate |
|---|---|
| g.  Tenaya south of Smoke Ranch | 23% to 30% reduction |
| h.  Horizon Ridge east of Stephanie | 29% to 47% reduction |
| i.  Pecos north of Wigwam | 45% to 171% increase |
| j.  Clayton south of Lone Mountain | 38% reduction to 27% increase |
| k.  Alexander west of Simmons | 33% reduction to 20% increase |

Graph 7.2 shows the total bicycles observed in a 24 hour weekday and weekend for each location in group 2.



**Bike Group 2**
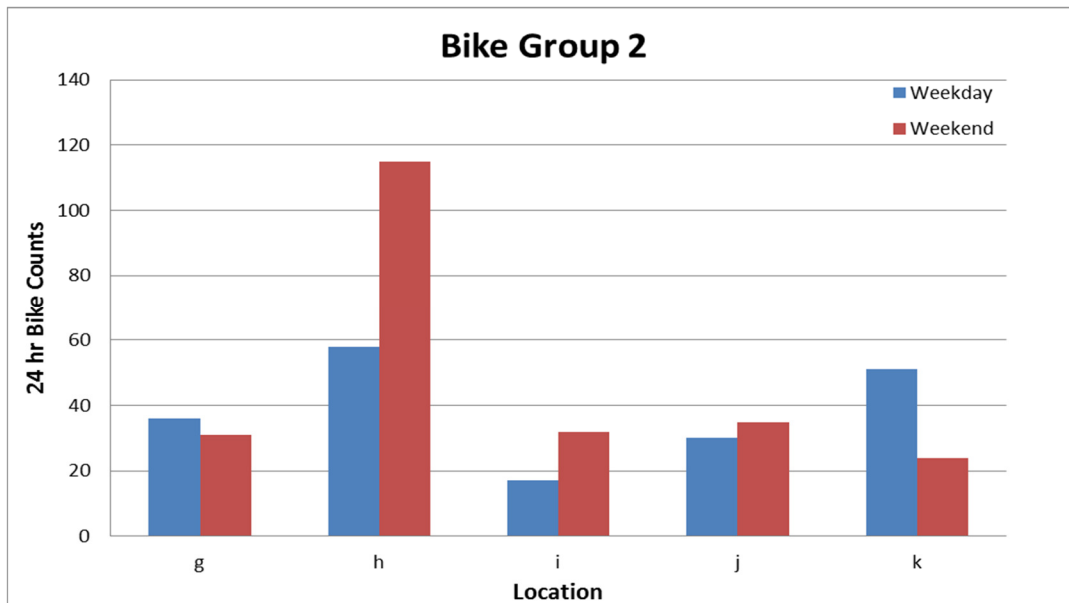
**Graph 7.2: Weekday & Weekend 24 hour counts (Group 2 bicycle)**

3. Mixed used travel lane – these locations have no dedicated bicycle facility and will have vehicular traffic driving over the pneumatic tubes. In these locations, bicycles are assumed to travel on the mixed used travel lane closest to the curb.
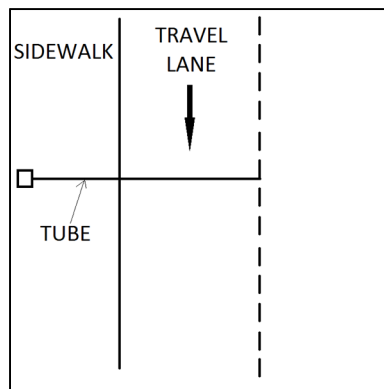


**Exhibit 7.3: Group 3 Bicycle Counter installation**

Eleven locations fit into the third group, and the error/correction rate for each location in this group is presented on Table 7.3.

**Table 7.3: Automated Counter Error Rate (Group 3 Bicycle)**

| Location | Calculated error rate |
|---|---|
| l.   Las Vegas Blvd north of Charleston | 47% to 84% reduction |
| m.  Washington at H St | 45% to 56% reduction |
| n.   Eastern north of Horizon Ridge | 100% reduction to 37% increase |
| o.   Eastern south of Serene | 500% to 767% increase |
| p.   Eastern south of Windmill | 50% reduction to 164% increase |
| q.   Las Vegas Blvd north of Civic Center | 64% reduction to 115% increase |
| r.   Gowan west of Englestad | 27% reduction to 200% increase |
| s.   Maryland Pkwy south of Sahara | 36% to 225% increase |
| t.   Silverado Ranch west of Maryland Pkwy | 10% reduction to 250% increase |
| u.   Tropical Pkwy east of Lawrence | 200% to 1765% increase* |
| v.   Belmont south of Lake Mead | 27% reduction to 38% increase |
| w.  Main north of Imperial | 20% to 91% increase |
| x.   Flamingo west of Decatur | Error rate not calculated, no video data |

*High error rate can be attributed to low bicycle observed from the video and the counter's over counting

Video data was not available at location (x) Flamingo west of Decatur as a result the site and counter specific error rate was not calculated and the counts taken from the automated counter are reported without adjustment.

Graph 7.3 which show the total bicycles observed in a typical 24 hour weekday and weekend for each location in group 3.
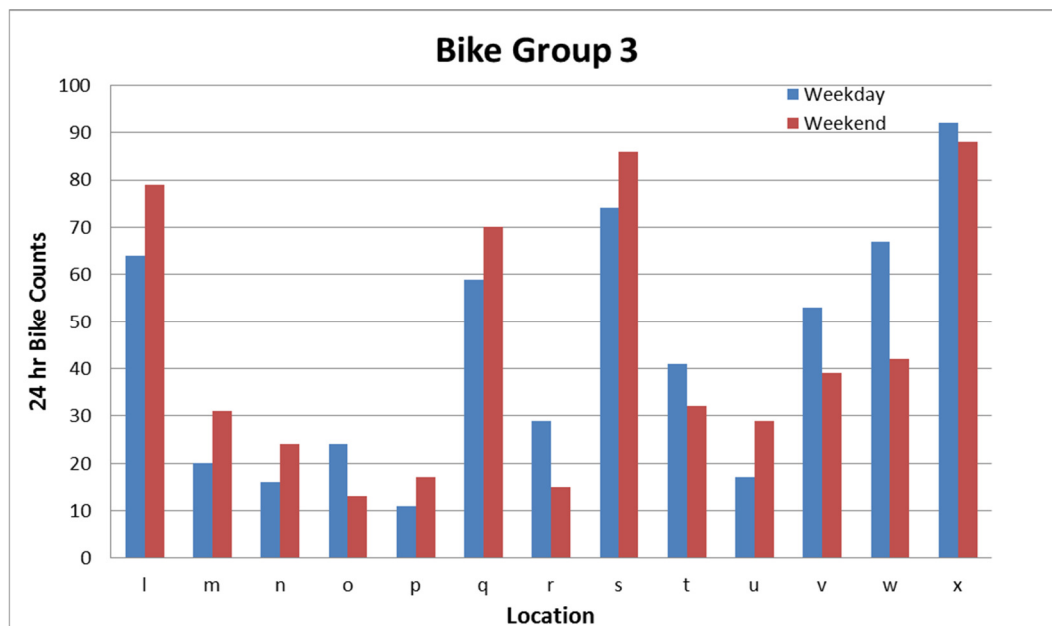


**Graph 7.3: Weekday & Weekend 24 hour counts (Group 3 bicycle)**

## *7.2 Pedestrian Data*

As stated in Section 2 Automated Technology Review, the passive infrared pedestrian counter used during the study detects a change in thermal contrast, essentially making an image of heat, produced by a pedestrian or bicyclist. So it should be noted that bicyclist riding on the sidewalk was counted as a pedestrian and had an adverse effect on calculated error rate/correction factor.

The pedestrian data were also categorized by the installation design of the automated pedestrian sensor identified below:

- **Horizontal** – pedestrian sensors were installed on a pole adjacent to the curb. The sensors were aimed away from the automobile travel lane and towards the sidewalk. In this scenario, the pedestrian passes between the sensor and the back of sidewalk. This installation design is the most desirable for ease of installation and for gathering accurate data.
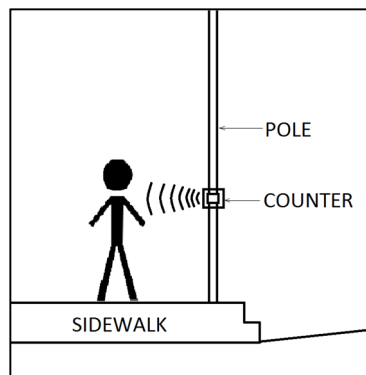


**Exhibit 7.4: Group 1 Horizontal Pedestrian Counter installation**

Pedestrian sensors were installed horizontally at nine locations; and the error/correction factor for each location in this group is presented in Table 7.4. Similar to the bicycle data, the error/correction rate shown is representative of the automated counter data as compared to the available video data. The error/correction rate calculation for each location is included in Appendix B and the error/correction rate presented is the rate from the two automated counters used, so for location (a) one counter was undercounting by 26% while the other was over counting by 27%.

**Table 7.4: Automated Counter Error Rate (Group 1 Pedestrian)**

| Location | Calculated error rate |
|---|---|
| a.   Hoover east of Casino Center | 26% reduction to 27% increase |
| b.   Bonneville east of Casino Center | 3% to 10% reduction |
| c.   Alta at Essex | 17% reduction to 27% increase |
| d.   Washington at H Street | 33% reduction to 15% increase |
| e.   Horizon Ridge east of Stephanie | 4% to 14% reduction |
| f.   Lake Mead east of Boulder Hwy | 46% reduction to 29% increase |
| g.   St. Rose Pkwy east of Las Vegas Blvd | Rate was exceedingly high* |
| h.   Las Vegas Blvd north of Civic Center | 18%  reduction to 48% increase |
| i.   Main North of Imperial | Rate was exceedingly high* |

*significant over-counting by the automated counter, refer to Appendix B for values

The total pedestrian observed in a 24 hour weekday and weekend for each location where the pedestrian sensors were installed horizontally is shown on Graph 7.4.  The observed data presented are primarily counts from video play back due to their accuracy and where video data is lacking, the site and counter specific correction factor was used to extract an estimated value from the automated pedestrian counter. This process was repeated for all other study locations.
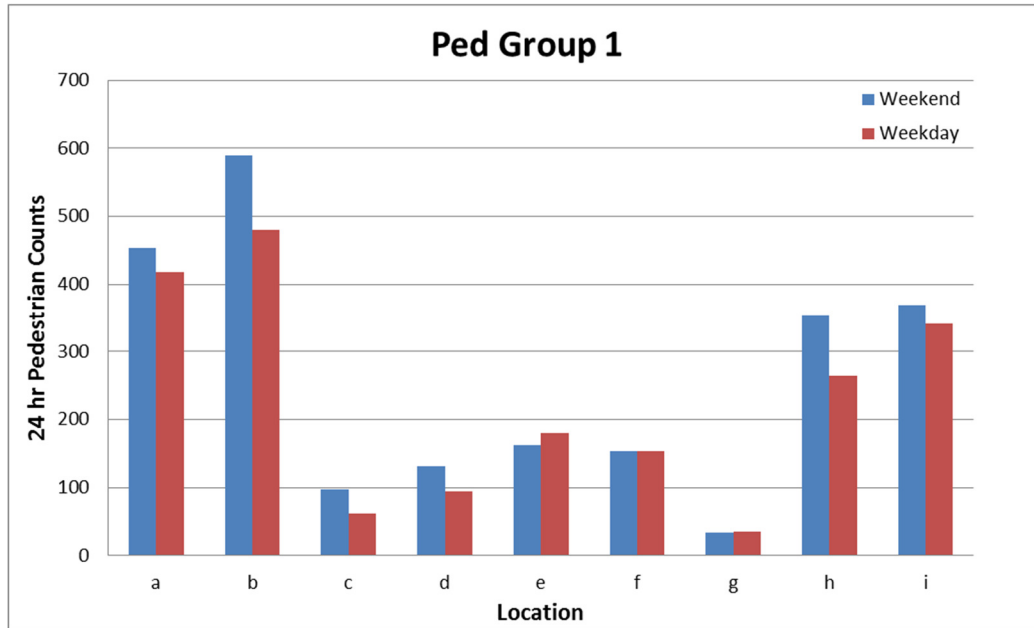


**Graph 7.4: Weekday & Weekend 24 hour counts (Group 1 pedestrian)**

• **Overhead** – pedestrian sensors were installed overhead with the detection sensor aiming downward towards the sidewalk.  This installation design was necessary because these locations had utility poles located at the back of the sidewalk.  Though field observations made during this study, it was identified that aiming infrared sensors towards both the sidewalk and the automobile travel lane provided inaccurate pedestrian count data.  An installation set-up design that isolates the infrared sensor aim towards the sidewalk is necessary to gather more accurate pedestrian count data.
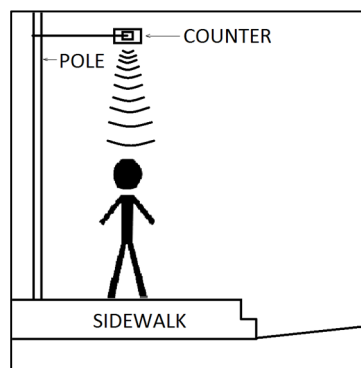


**Exhibit 7.5: Group 2 Overhead Pedestrian Counter installation**

The pedestrian sensors were installed overhead at twelve locations; and the error/correction factor for each location in this group is presented on Table 7.5.  The error/correction rate calculation for each location is included in Appendix B.

**Table 7.5: Automated Counter Error Rate (Group 2 Pedestrian)**

| Location | Calculated error rate |
|---|---|
| j.   Tenaya south of Smoke Ranch | 51% to 76% reduction |
| k.   Eastern south of Serene | 14% to 24% reduction |
| l.   Eastern south of Windmill | 31% to 50% reduction |
| m.  Tropical Pkwy east of Lawrence | Pedestrian counters malfunctioned, used video data |
| n.   Clayton south of Lone Mountain | 63% to 73% reduction |
| o.   Alexander west of Simmons | 11% to 40% reduction |
| p.   Belmont south of Lake Mead Blvd | 21% to 33% reduction |
| q.   Gowan west of Englestad | 35% to 58% reduction |
| r.   Flamingo west of Decatur | Error rate not calculated, no video data |
| s.   Maryland Pkwy south of Sahara | 23% to 98% reduction |
| t.   Harmon east of Maryland Pkwy | 61% to 82% reduction |
| u.   Silverado Ranch west of Maryland Pkwy | 12% to 71% reduction |

Graph 7.5 below displays the total pedestrians observed in a 24 hour weekday and weekend for each location where the pedestrian sensor was installed overhead.
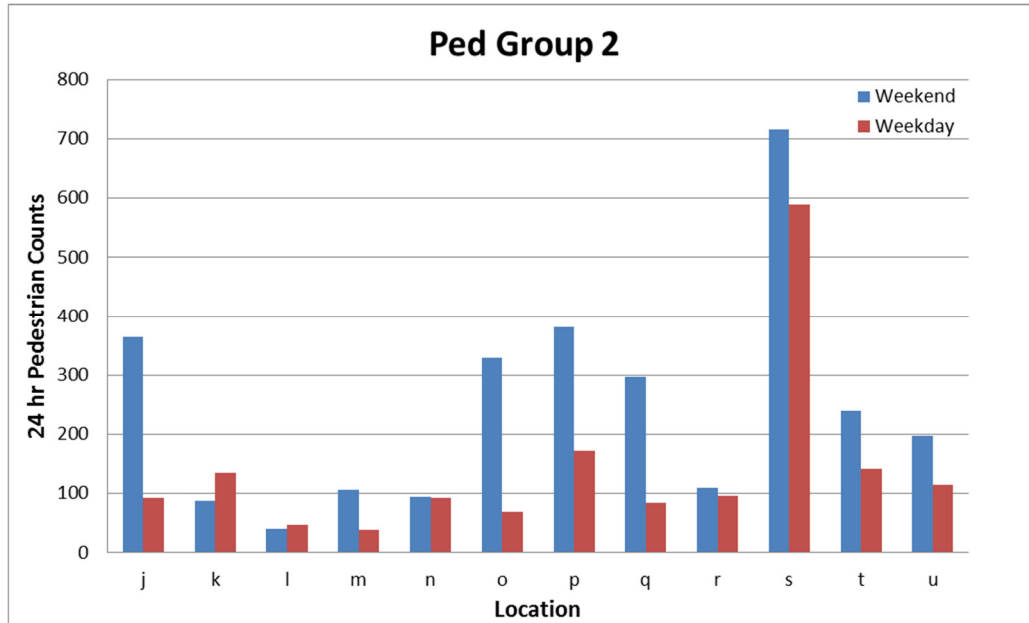


**Graph 7.5: Weekday & Weekend 24 hour counts (Group 2 pedestrian)**

At the following three locations the pedestrian sensor was not installed due to the lack of sidewalk furniture to attach the automated sensor.  At these locations pedestrian data was gathered using video playback.

> v.   Pecos North of Wigwam
> w.   Las Vegas Blvd North of E Charleston Blvd
> x.   Eastern North of Horizon Ridge

The total pedestrian observed in a 24 hour weekday and weekend for the three locations shown above are presented in Graph 7.6 below.
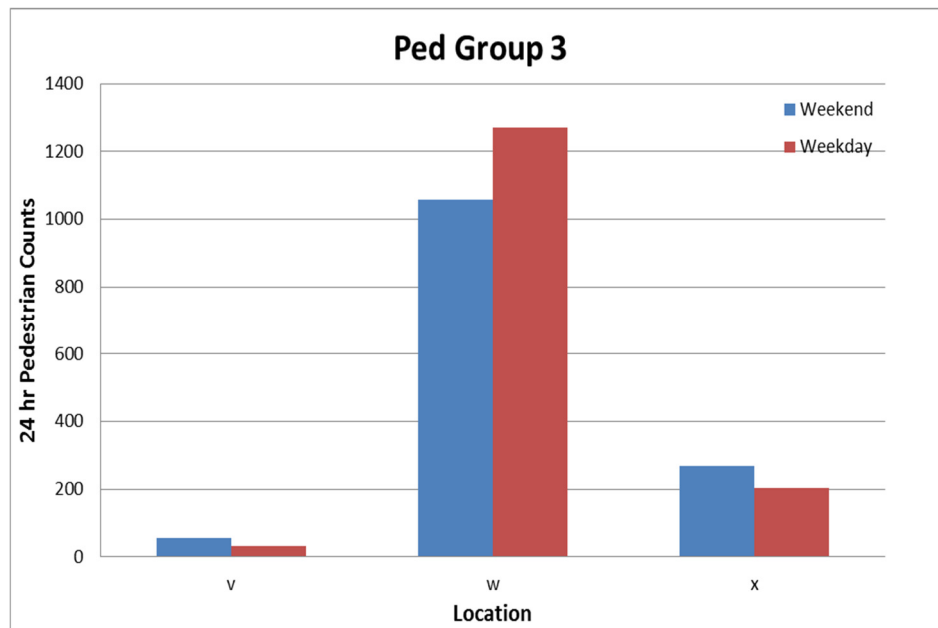


**Graph 7.6: Weekday & Weekend 24 hour counts (Group 3 pedestrian)**

## 7.3   NBPD Data

The RTC wanted to provide the data collected during this study to the NBPD.  The bicycle and pedestrian count data for each of the 24 count locations were entered into the NBPD Standard Screenline Count Form which requires 15 minute count tabulation for a weekday from 5 to 7 PM and for a Saturday 12 noon to 2 PM.  The NBPD forms are presented in Appendix C.

## 8.   LESSONS LEARNED

The CA Group identified and resolved numerous issues to enable a successful multi-modal count program in Southern Nevada.  These topics need to be anticipated, addressed, and resolved by the RTC or any local agency prior to conducting future multi-modal counts in the field.

A major limiting factor of the automated multi-modal count technologies employed for this study is that unlike typical portable traffic counters that have a digital interface which displays the number of vehicle

counted, both the bicycle and pedestrian counters do not have a digital display.  This makes it difficult to verify if the counter is working properly while in the field.  Therefore, proper equipment set-up, utilizing redundant technologies, trouble-shooting in the field, and anticipating multiple field days to collect data for a single location all should be considered prior to undertaking future counts.

At the start of the study, the study team was anticipating that the error rates calculated during the study could be used in the future to adjust the data from automated counters if the RTC or other agencies decided to use automated data collecting counters to gather data in the future.  But the study results showed that the calculated error rate had such a variation from each counter that it would be difficult to recommend using the calculated error rate to adjust the counter data in the future.  One must use the same counter (as used in the study), and install it at the same location while hoping that no change in the physical characteristics at the installation site occurred just to have some comfort in using the correction factors calculated in this study to adjust counts in the future.

## 8.1  Bicycle Counter lessons/observations

The following list identifies lessons/observations gleaned while conducting the bicycle count portion of the study and likely contributed to the error rates observed:

- Bicyclist do not always ride in the striped bike lane, with some bicyclists observed avoiding the pneumatic tubes;
- Bicyclist ride in the opposite direction of automobile traffic;
- Bicyclist ride on sidewalks;
- Bicyclist ride in packs, and not all of them are detected by the counter, which contributes to undercounting;
- Low bicycle volumes made it difficult to check if the counter is working properly.  Pneumatic tubes have special inserts which are designed to filter out the different signals (puffs of air) generated by automobiles in mixed traffic applications; and
- The calculated error rates are magnified when low bicyclist volumes are observed.  A simple example of this is that an error rate of 50% is calculated if there is a 10 bicycle count discrepancy between the counter and the observed volume of 20.

## 8.2  Pedestrian Counter lessons/observations

The following list identifies lessons/observations gleaned while conducting the pedestrian counts and likely contributed to the error rates observed:

- Pedestrians walk abreast to one another or in a pack, which contributes to undercounting;
- The pedestrian counter also counts bicyclists on the side-walk, which contributes to over counting;
- The passive infrared counter detects changes in thermal contrast, so care should be taken when installing the counter:
  - The counter should not be installed pointing towards reflective objects such as store front windows;

- The counter should not be installed in a manner that the sensor are pointed toward an area where vehicular traffic can be detected, such as driveways and/or parking lots;
- The pedestrian counter is best when installed on a pole curbside facing the sidewalk and pointing to a non-reflective object like a block wall;
- The pedestrian counters utilized for this study were not designed to be mounted overhead. However, the street design, placement of utilities, and the sidewalk location in Southern Nevada often necessitated the counters to be installed overhead;
- Vandalism of counters is an issue that needs to considered and anticipated. This is because the optimal location of the counters makes them easily accessible.

## 8.3   Video Camera lessons/observations

The optimal location for video camera installation is in an area with sufficient artificial lighting to enable night time data collection, and in a location where both pedestrians and bicyclists are visible.

The video camera chosen for this project had the following limitations, which limited the efficiency of the data gathering process:

- The data storage (SD card) was limited to 30 hours of continuous recording time when using the 30 frames per second desired video capture format. This limitation necessitated the frequent changing of the SD card;
- The video recording system only had the ability for a single start and stop time. This limitation made it necessary to perform a field visit and reset the system between the weekday and weekend counts.

## 9.   CONCLUSIONS & RECOMMENDATIONS

This study revealed that one single type of counter technology that works best in all locations and situations does not apply in Southern Nevada with a high degree of variability in the types of roadways, utilities, and sidewalks present. The optimal type of counter technology employed will be determined in part by the specific count location and its unique street design characteristics.

The portability of the pneumatic tube bicycle counter makes it the best candidate for counting bicycles within the roadway. However, caution should be taken when using the raw data from the counter due to the error rated observed in this study. Any future counts collected using this technology should factor in the observed error rates at that particular location to obtain an accurate count estimate.

The passive infrared counter used in the study performed best when it was installed in such a way that the sensor was aimed from the curbside back across the area where pedestrians travel. But, caution should also be taken when using the raw data from the counter because of the observed error rates.

If the goal of a future bicycle and pedestrian count is to gather the most accurate and reliable data, then the existing and verified way of data collection by means of manual counts (either live or video), continues to be the most appropriate. The accuracy on manual counts is only limited by human error,

which can be addressed by appropriate training, observation of technicians, and selective redundancy of the technicians themselves.

A preferred count strategy identified and recommended by this study is to deploy automated counters to best determine the peak hours for that particular location, and then subsequently use manual counts (either live or video) to gather the most accurate data during those peak hours.  For future counts at locations included in this study, the peak hours have already been identified and are included in Appendix B.

This study provides a reproducible baseline of multi-modal count data for the locations selected.  It successfully identified and confirmed the respective volumes of multi-modal travel on streets in Southern Nevada.  While bicycle and pedestrian volumes vary greatly throughout the region, they are highest close to schools and parks, as well as downtown and in commercial districts with numerous destinations easily accessible. Future tracking of the changing levels of bicycling and walking in Southern Nevada can use this study's data as a baseline for comparison.

# APPENDIX-A
# Video Camera Specifications

# Ten and Two
## Travel Monitor

Description:
Travel Monitor Unit (enclosure, camera lens, DVR, charge controller)
Travel Monitor Software (1-seat / 1-office license)
Portable TV Monitor with 12-volt and AC plug
32gb SD Card
Battery (18ah) and Charger
Mounting Straps & Metal Bands
Security Cables (to lock)

Specifications:

DVR

Recording Specifications

| | |
|---|---|
| Channels | 1 |
| Compression Type | MPEG-4 |
| Email Notification | No |
| Event Notification | No |
| Max Resolution | 704 x 576 |
| Max Storage Capacity (GB) | 32 |
| Low Frame Rate (fps) | 5 |
| Med Frame Rate (fps) | 15 |
| Max Frame Rate (fps) | 30 |
| Motion Detection | Yes |
| SD Card Reader | Yes |

Physical Characteristics

| | |
|---|---|
| Width (in) | 4.72 |
| Height (in) | 0.98 |
| Depth (in) | 4.33 |
| Operating Temperature (F) | 14-131 |
| Remote Control | No |

Power Requirements

| | |
|---|---|
| Amps DC (mA) | 150 |
| Power Supply Included | Yes |

Connectors

| | |
|---|---|
| Audio Channels | 1 |
| Audio In | 1 |
| Audio Out | 1 |
| BNC Video In | 1 |
| BNC Video Out | 1 |

LENS (3.5-16)

Imaging Specifications

| | |
|---|---|
| Imager Manufacturer | Sony |
| Imager Size (in) | 3-Jan |
| Imager Type | Super HAD CCD |
| Lines | 550 |
| Lux | 0.5 |

Lens Specifications

| | |
|---|---|
| Min Focal Length (mm) | 3.5 |
| Max Focal Length (mm) | 16 |

Physical Characteristics

| | |
|---|---|
| Outdoor | Yes |

Power Requirements

| | |
|---|---|
| Amps DC (mA) | 300 |
| Volts DC | 12 |

ENCLOSURE

Enclosure Type: Junction Box
Enclosure Material: Fiberglass
Body Color: Grey
External Height – Imperial: 10”
External Width – Imperial: 8”
External Depth – Imperial: 6”
IP Rating: IP66
RoHS Compliant: Yes

# APPENDIX-B

# W. Alexander Rd. west of Simmons St.

Video Camera    Ped Counters

Bike Tubes

Alexander Rd.

Simmons St.

## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 51
- Total Weekend Bike Count: 24
- Total Bike Traffic for the Period Analyzed: 75

### Distribution by Direction

**Weekday**

Westbound 51%
Eastbound 49%

**Weekend**

Westbound 47%
Eastbound 53%
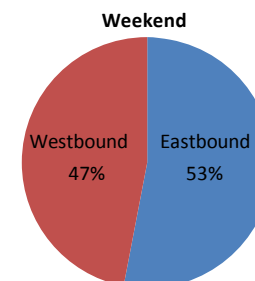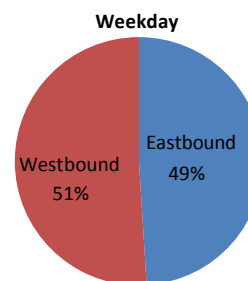
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 329
- Total Weekend Pedestrian Count: 70
- Total Pedestrian Traffic for the Period Analyzed: 399

### Distribution by Sidewalk Side

**Weekday**

NORTH 56%
SOUTH 44%

**Weekend**

NORTH 55%
SOUTH 45%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (09/26/2013) | | Weekend (09/28/2013) | |
|---|---|---|---|---|
| | Eastbound | Westbound | Eastbound | Westbound |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 1 | 0 | 0 |
| 06:15 - 06:30 | 0 | 2 | 0 | 0 |
| 06:30 - 06:45 | 3 | 4 | 0 | 0 |
| 06:45 - 07:00 | 1 | 2 | 0 | 0 |
| 07:00 - 07:15 | 1 | 1 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 1 | 0 | 0 | 0 |

| TIME | Weekday (09/26/2013) | | Weekend (09/28/2013) | |
|---|---|---|---|---|
| | Eastbound | Westbound | Eastbound | Westbound |
| 08:00 - 08:15 | 0 | 0 | 0 | 0 |
| 08:15 - 08:30 | 0 | 1 | 0 | 0 |
| 08:30 - 08:45 | 0 | 0 | 0 | 0 |
| 08:45 - 09:00 | 0 | 0 | 0 | 0 |
| 09:00 - 09:15 | 0 | 0 | 1 | 0 |
| 09:15 - 09:30 | 0 | 0 | 0 | 0 |
| 09:30 - 09:45 | 0 | 0 | 2 | 0 |
| 09:45 - 10:00 | 0 | 0 | 0 | 0 |
| 10:00 - 10:15 | 0 | 0 | 1 | 0 |
| 10:15 - 10:30 | 1 | 0 | 0 | 1 |
| 10:30 - 10:45 | 0 | 1 | 1 | 1 |
| 10:45 - 11:00 | 1 | 0 | 1 | 0 |
| 11:00 - 11:15 | 0 | 0 | 0 | 1 |
| 11:15 - 11:30 | 0 | 0 | 0 | 0 |
| 11:30 - 11:45 | 0 | 0 | 0 | 0 |
| 11:45 - 12:00 | 0 | 0 | 0 | 0 |
| 12:00 - 12:15 | 0 | 5 | 0 | 2 |
| 12:15 - 12:30 | 0 | 1 | 0 | 0 |
| 12:30 - 12:45 | 0 | 0 | 0 | 0 |
| 12:45 - 13:00 | 0 | 0 | 0 | 0 |
| 13:00 - 13:15 | 1 | 1 | 0 | 1 |
| 13:15 - 13:30 | 1 | 0 | 0 | 0 |
| 13:30 - 13:45 | 3 | 0 | 0 | 0 |
| 13:45 - 14:00 | 1 | 0 | 0 | 0 |
| 14:00 - 14:15 | 3 | 1 | 1 | 0 |
| 14:15 - 14:30 | 1 | 0 | 0 | 1 |
| 14:30 - 14:45 | 1 | 0 | 0 | 0 |
| 14:45 - 15:00 | 0 | 0 | 0 | 0 |
| 15:00 - 15:15 | 0 | 0 | 0 | 0 |
| 15:15 - 15:30 | 1 | 0 | 0 | 1 |
| 15:30 - 15:45 | 0 | 0 | 0 | 0 |
| 15:45 - 16:00 | 0 | 0 | 3 | 0 |

| TIME | Weekday (09/26/2013) | | Weekend (09/28/2013) | |
|---|---|---|---|---|
| | Eastbound | Westbound | Eastbound | Westbound |
| 16:00 - 16:15 | 0 | 1 | 0 | 0 |
| 16:15 - 16:30 | 0 | 1 | 0 | 0 |
| 16:30 - 16:45 | 0 | 0 | 0 | 0 |
| 16:45 - 17:00 | 0 | 0 | 1 | 0 |
| 17:00 - 17:15 | 1 | 0 | 0 | 0 |
| 17:15 - 17:30 | 0 | 0 | 0 | 1 |
| 17:30 - 17:45 | 0 | 2 | 0 | 0 |
| 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 18:00 - 18:15 | 1 | 0 | 1 | 0 |
| 18:15 - 18:30 | 0 | 0 | 0 | 1 |
| 18:30 - 18:45 | 0 | 0 | 0 | 0 |
| 18:45 - 19:00 | 0 | 0 | 0 | 0 |
| 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 19:15 - 19:30 | 0 | 0 | 0 | 0 |
| 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| **TOTAL** | **25** | **26** | **13** | **11** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 06:30 - 06:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 0 | 1 | 0 |
| 08:00 - 08:15 | 0 | 0 | 1 | 0 |
| 08:15 - 08:30 | 0 | 0 | 2 | 0 |
| 08:30 - 08:45 | 0 | 0 | 0 | 0 |
| 08:45 - 09:00 | 0 | 0 | 0 | 0 |
| 09:00 - 09:15 | 0 | 1 | 0 | 0 |
| 09:15 - 09:30 | 0 | 0 | 0 | 0 |
| 09:30 - 09:45 | 1 | 2 | 0 | 0 |
| 09:45 - 10:00 | 0 | 0 | 0 | 0 |
| 10:00 - 10:15 | 0 | 1 | 0 | 0 |
| 10:15 - 10:30 | 2 | 0 | 1 | 1 |
| 10:30 - 10:45 | 0 | 1 | 0 | 1 |
| 10:45 - 11:00 | 0 | 1 | 0 | 0 |
| 11:00 - 11:15 | 0 | 0 | 0 | 1 |
| 11:15 - 11:30 | 0 | 0 | 0 | 0 |
| 11:30 - 11:45 | 0 | 0 | 0 | 0 |
| 11:45 - 12:00 | 1 | 0 | 0 | 0 |
| 12:00 - 12:15 | 0 | 0 | 1 | 2 |
| TOTAL | 4 | 6 | 6 | 5 |
| Difference | -2 | | 1 | |
| **% Error** | **-33%** | | **20%** | |

## PEDESTRIAN COUNTS
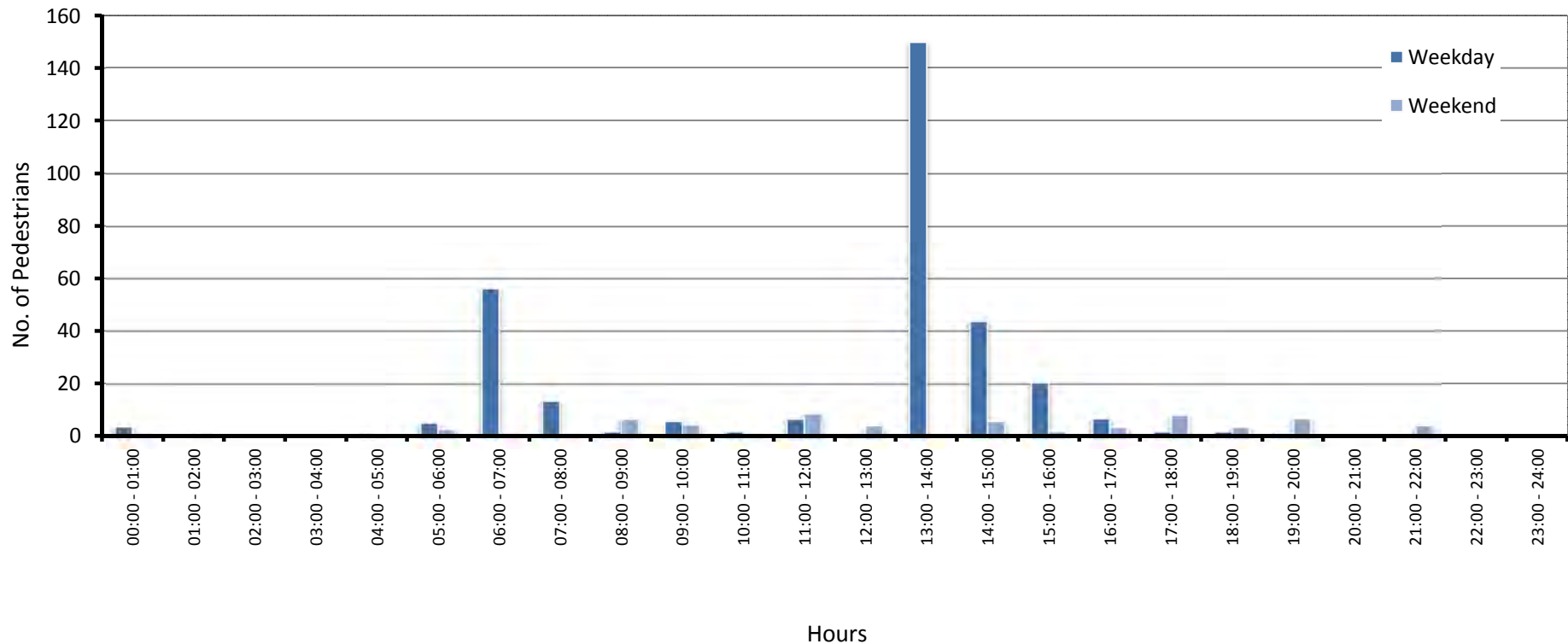
# PEDESTRIAN DATA

| TIME | Weekday (09/26/2013) SOUTH | Weekday (09/26/2013) NORTH | Weekend (09/28/2013) SOUTH | Weekend (09/28/2013) NORTH |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 1 | 0 |
| 00:15 - 00:30 |  | 1 | 0 | 0 |
| 00:30 - 00:45 | 0 | 2 | 0 | 0 |
| 00:45 - 01:00 |  | 1 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 1 | 0 |
| 01:15 - 01:30 |  | 0 | 0 | 0 |
| 01:30 - 01:45 |  | 0 | 0 | 0 |
| 01:45 - 02:00 |  | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 |  | 0 | 0 | 0 |
| 02:30 - 02:45 |  | 0 | 0 | 0 |
| 02:45 - 03:00 |  | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 |  | 0 | 0 | 0 |
| 03:30 - 03:45 |  | 0 | 0 | 0 |
| 03:45 - 04:00 |  | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 |  | 0 | 0 | 0 |
| 04:30 - 04:45 |  | 1 | 0 | 0 |
| 04:45 - 05:00 |  | 0 | 0 | 0 |
| 05:00 - 05:15 | 3 | 0 | 0 | 0 |
| 05:15 - 05:30 |  | 1 | 0 | 0 |
| 05:30 - 05:45 |  | 0 | 1 | 1 |
| 05:45 - 06:00 |  | 1 | 1 | 0 |
| 06:00 - 06:15 | 25 | 2 | 0 | 0 |
| 06:15 - 06:30 |  | 16 | 0 | 0 |
| 06:30 - 06:45 |  | 11 | 0 | 1 |
| 06:45 - 07:00 |  | 2 | 0 | 0 |
| 07:00 - 07:15 | 8 | 1 | 0 | 0 |
| 07:15 - 07:30 |  | 3 | 0 | 0 |
| 07:30 - 07:45 |  | 1 | 0 | 1 |
| 07:45 - 08:00 |  | 0 | 0 | 0 |

| TIME | Weekday (09/26/2013) SOUTH | Weekday (09/26/2013) NORTH | Weekend (09/28/2013) SOUTH | Weekend (09/28/2013) NORTH |
|---|---|---|---|---|
| 08:00 - 08:15 | 0 | 1 | 0 | 2 |
| 08:15 - 08:30 |  | 1 | 0 | 0 |
| 08:30 - 08:45 |  | 0 | 0 | 1 |
| 08:45 - 09:00 |  | 0 | 0 | 4 |
| 09:00 - 09:15 | 2 | 0 | 1 | 0 |
| 09:15 - 09:30 |  | 3 | 0 | 0 |
| 09:30 - 09:45 |  | 1 | 0 | 2 |
| 09:45 - 10:00 |  | 0 | 0 | 2 |
| 10:00 - 10:15 | 0 | 1 | 0 | 0 |
| 10:15 - 10:30 |  | 1 | 0 | 0 |
| 10:30 - 10:45 |  | 0 | 0 | 0 |
| 10:45 - 11:00 |  | 0 | 1 | 0 |
| 11:00 - 11:15 | 5 | 0 | 1 | 0 |
| 11:15 - 11:30 |  | 1 | 3 | 0 |
| 11:30 - 11:45 |  | 1 | 0 | 4 |
| 11:45 - 12:00 |  | 0 | 0 | 1 |
| 12:00 - 12:15 | 0 | 0 | 3 | 0 |
| 12:15 - 12:30 |  | 1 |  | 0 |
| 12:30 - 12:45 |  | 0 |  | 1 |
| 12:45 - 13:00 |  | 0 |  | 0 |
| 13:00 - 13:15 | 63 | 1 | 0 | 0 |
| 13:15 - 13:30 |  | 56 |  | 0 |
| 13:30 - 13:45 |  | 24 |  | 0 |
| 13:45 - 14:00 |  | 6 |  | 0 |
| 14:00 - 14:15 | 25 | 2 | 5 | 1 |
| 14:15 - 14:30 |  | 3 |  | 0 |
| 14:30 - 14:45 |  | 11 |  | 0 |
| 14:45 - 15:00 |  | 2 |  | 0 |
| 15:00 - 15:15 | 10 | 4 | 0 | 0 |
| 15:15 - 15:30 |  | 4 |  | 1 |
| 15:30 - 15:45 |  | 0 |  | 1 |
| 15:45 - 16:00 |  | 2 |  | 0 |

| TIME | Weekday (09/26/2013) SOUTH | Weekday (09/26/2013) NORTH | Weekend (09/28/2013) SOUTH | Weekend (09/28/2013) NORTH |
|---|---|---|---|---|
| 16:00 - 16:15 | 2 | 1 | 2 | 0 |
| 16:15 - 16:30 |  | 1 |  | 2 |
| 16:30 - 16:45 |  | 2 |  | 0 |
| 16:45 - 17:00 |  | 1 |  | 0 |
| 17:00 - 17:15 | 0 | 0 | 2 | 2 |
| 17:15 - 17:30 |  | 0 |  | 3 |
| 17:30 - 17:45 |  | 2 |  | 1 |
| 17:45 - 18:00 |  | 0 |  | 0 |
| 18:00 - 18:15 | 0 | 1 | 2 | 1 |
| 18:15 - 18:30 |  | 0 |  | 0 |
| 18:30 - 18:45 |  | 1 |  | 0 |
| 18:45 - 19:00 |  | 0 |  | 1 |
| 19:00 - 19:15 | 2 | 0 | 5 | 1 |
| 19:15 - 19:30 |  | 0 |  | 0 |
| 19:30 - 19:45 |  | 0 |  | 0 |
| 19:45 - 20:00 |  | 0 |  | 1 |
| 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 20:15 - 20:30 |  | 0 |  | 0 |
| 20:30 - 20:45 |  | 0 |  | 0 |
| 20:45 - 21:00 |  | 0 |  | 0 |
| 21:00 - 21:15 | 0 | 0 | 3 | 0 |
| 21:15 - 21:30 |  | 0 |  | 1 |
| 21:30 - 21:45 |  | 0 |  | 0 |
| 21:45 - 22:00 |  | 0 |  | 0 |
| 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 22:15 - 22:30 |  | 0 |  | 0 |
| 22:30 - 22:45 |  | 0 |  | 0 |
| 22:45 - 23:00 |  | 0 |  | 0 |
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 |  | 0 |  | 0 |
| 23:30 - 23:45 |  | 0 |  | 0 |
| 23:45 - 24:00 |  | 0 |  | 0 |
| **TOTAL** | **145** | **184** | **32** | **38** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|------|------|------|------|------|
| 00:00 - 00:15 |   | 1 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 |   | 0 | 0 | 0 |
| 00:45 - 01:00 |   | 0 | 0 | 0 |
| 01:00 - 01:15 |   | 1 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 |   | 0 | 0 | 0 |
| 01:45 - 02:00 |   | 0 | 0 | 0 |
| 02:00 - 02:15 |   | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 |   | 0 | 0 | 0 |
| 02:45 - 03:00 |   | 0 | 0 | 0 |
| 03:00 - 03:15 |   | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 |   | 0 | 0 | 0 |
| 03:45 - 04:00 |   | 0 | 0 | 0 |
| 04:00 - 04:15 |   | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 |   | 0 | 0 | 0 |
| 04:45 - 05:00 |   | 0 | 0 | 0 |
| 05:00 - 05:15 |   | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 |   | 1 | 0 | 1 |
| 05:45 - 06:00 |   | 1 | 1 | 0 |
| 06:00 - 06:15 |   | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 |   | 0 | 1 | 1 |
| 06:45 - 07:00 |   | 0 | 0 | 0 |

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|------|------|------|------|------|
| 07:00 - 07:15 |   | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 |   | 0 | 0 | 1 |
| 07:45 - 08:00 |   | 0 | 3 | 0 |
| 08:00 - 08:15 |   | 0 | 1 | 2 |
| 08:15 - 08:30 | 0 | 0 | 0 | 0 |
| 08:30 - 08:45 |   | 0 | 1 | 1 |
| 08:45 - 09:00 |   | 0 | 4 | 4 |
| 09:00 - 09:15 |   | 1 | 0 | 0 |
| 09:15 - 09:30 | 4 | 0 | 1 | 0 |
| 09:30 - 09:45 |   | 0 | 0 | 2 |
| 09:45 - 10:00 |   | 0 | 1 | 2 |
| 10:00 - 10:15 |   | 0 | 0 | 0 |
| 10:15 - 10:30 | 0 | 0 | 0 | 0 |
| 10:30 - 10:45 |   | 0 | 0 | 0 |
| 10:45 - 11:00 |   | 1 | 0 | 0 |
| 11:00 - 11:15 |   | 1 | 0 | 0 |
| 11:15 - 11:30 | 2 | 3 | 0 | 0 |
| 11:30 - 11:45 |   | 0 | 3 | 4 |
| 11:45 - 12:00 |   | 0 | 1 | 1 |
| TOTAL | 6 | 10 | 17 | 19 |
| Difference | -4 | | -2 | |
| % Error | -40% | | -11% | |

# Alta Dr. at Essex Dr.

## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 91
- Total Weekend Bike Count: 53
- Total Bike Traffic for the Period Analyzed: 144

### Distribution by Direction

**Weekday**
- 38% Westbound
- Eastbound 62%

**Weekend**
- 36% Westbound
- Eastbound 64%

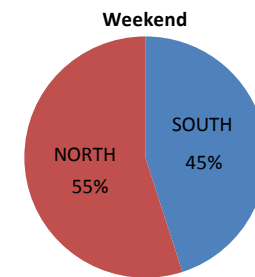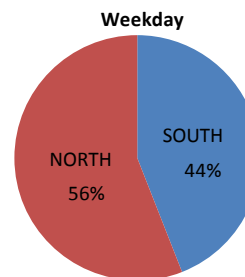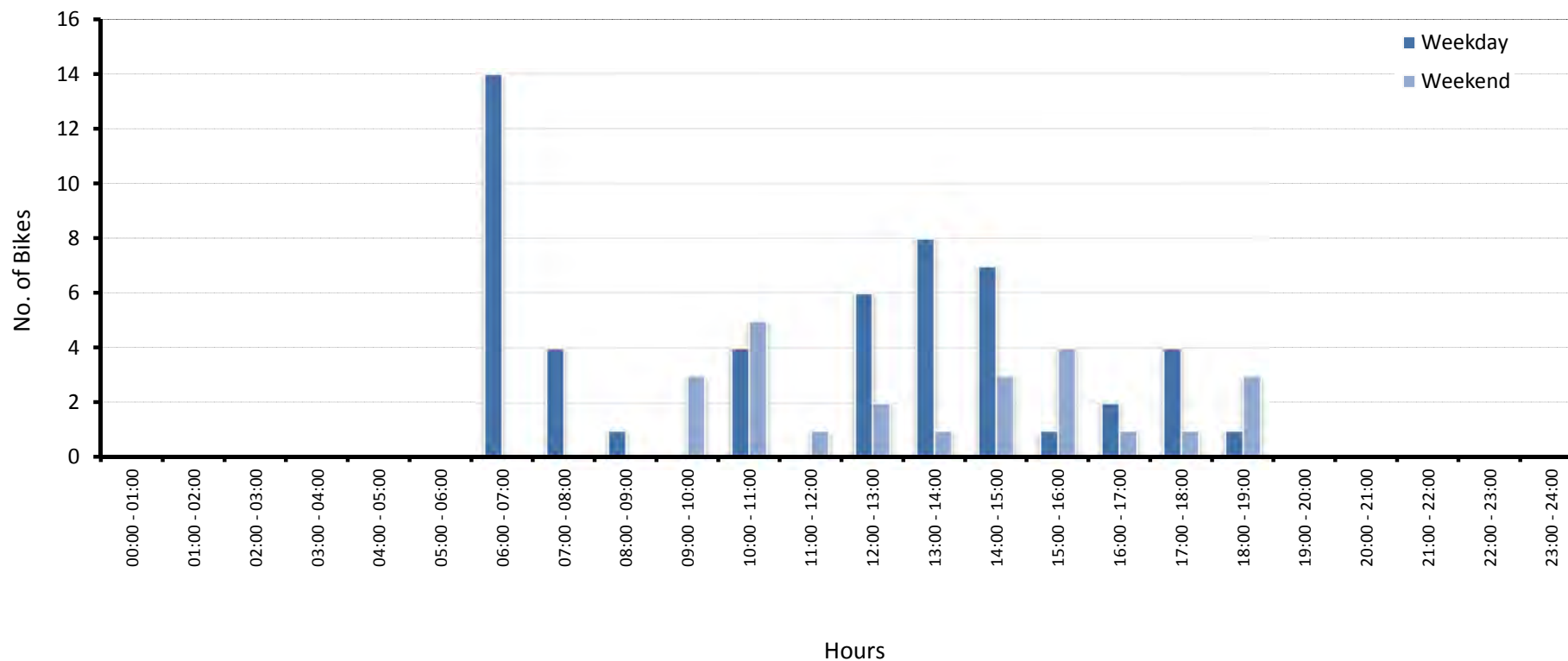## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 97
- Total Weekend Pedestrian Count: 62
- Total Pedestrian Traffic for the Period Analyzed: 159

### Distribution by Sidewalk Side

**Weekday**
- NORTH 53%
- SOUTH 47%

**Weekend**
- NORTH 50%
- SOUTH 50%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (05/16/2013) East bound | Weekday (05/16/2013) West bound | Weekend (05/18/2013) Eastbound | Weekend (05/18/2013) Westbound | TIME | Weekday (05/16/2013) East bound | Weekday (05/16/2013) West bound | Weekend (05/18/2013) Eastbound | Weekend (05/18/2013) Westbound | TIME | Weekday (05/16/2013) East bound | Weekday (05/16/2013) West bound | Weekend (05/18/2013) Eastbound | Weekend (05/18/2013) Westbound |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23:00 - 23:15 | 0 | 0 | 0 | 0 | 07:00 - 07:15 | 1 | 1 | 0 | 0 | 15:00 - 15:15 | 1 | 2 | 1 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 | 07:15 - 07:30 | 0 | 0 | 0 | 0 | 15:15 - 15:30 | 1 | 5 | 0 | 0 |
| 23:30 - 23:45 | 0 | 1 | 0 | 0 | 07:30 - 07:45 | 6 | 0 | 1 | 0 | 15:30 - 15:45 | 1 | 0 | 1 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 | 07:45 - 08:00 | 6 | 1 | 0 | 1 | 15:45 - 16:00 | 0 | 0 | 3 | 0 |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 1 | 0 | 1 | 0 | 16:00 - 16:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 1 | 1 | 0 | 0 | 16:15 - 16:30 | 0 | 1 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 | 08:30 - 08:45 | 3 | 0 | 0 | 0 | 16:30 - 16:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 | 08:45 - 09:00 | 1 | 1 | 0 | 0 | 16:45 - 17:00 | 1 | 1 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 0 | 17:00 - 17:15 | 1 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 2 | 0 | 1 | 1 | 17:15 - 17:30 | 0 | 1 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 0 | 2 | 1 | 0 | 17:30 - 17:45 | 1 | 0 | 1 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 2 | 0 | 0 | 0 | 17:45 - 18:00 | 1 | 1 | 1 | 2 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 0 | 1 | 0 | 1 | 18:00 - 18:15 | 0 | 1 | 1 | 1 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 | 10:15 - 10:30 | 0 | 1 | 2 | 1 | 18:15 - 18:30 | 1 | 0 | 0 | 1 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 1 | 1 | 0 | 0 | 18:30 - 18:45 | 1 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 0 | 0 | 3 | 1 | 18:45 - 19:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 0 | 0 | 1 | 1 | 19:00 - 19:15 | 0 | 0 | 4 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 | 11:15 - 11:30 | 0 | 0 | 0 | 2 | 19:15 - 19:30 | 0 | 1 | 1 | 0 |
| 03:30 - 03:45 | 0 | 0 | 1 | 0 | 11:30 - 11:45 | 2 | 0 | 0 | 0 | 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 1 | 0 | 0 | 2 | 19:45 - 20:00 | 1 | 1 | 0 | 0 |
| 04:00 - 04:15 | 1 | 0 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 0 | 0 | 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 1 | 0 | 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 | 12:30 - 12:45 | 3 | 0 | 1 | 0 | 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 1 | 0 | 12:45 - 13:00 | 1 | 0 | 2 | 0 | 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 1 | 0 | 2 | 0 | 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 1 | 0 | 0 | 13:15 - 13:30 | 1 | 0 | 0 | 0 | 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 | 13:30 - 13:45 | 0 | 0 | 0 | 0 | 21:30 - 21:45 | 1 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 0 | 0 | 1 | 0 | 21:45 - 22:00 | 0 | 2 | 0 | 0 |
| 06:00 - 06:15 | 0 | 1 | 0 | 0 | 14:00 - 14:15 | 2 | 0 | 0 | 1 | 22:00 - 22:15 | 0 | 1 | 0 | 2 |
| 06:15 - 06:30 | 1 | 0 | 0 | 0 | 14:15 - 14:30 | 1 | 1 | 1 | 1 | 22:15 - 22:30 | 1 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 | 14:30 - 14:45 | 1 | 2 | 0 | 0 | 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 0 | 1 | 1 | 1 | 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | **TOTAL** | **56** | **35** | **34** | **19** |

▮ Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23:00 - 23:15 | 0 | 0 | 0 | 0 | 07:00 - 07:15 | 0 | 0 | 0 | 0 | 15:00 - 15:15 | 1 | 1 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 | 07:15 - 07:30 | 0 | 0 | 0 | 0 | 15:15 - 15:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 | 07:30 - 07:45 | 1 | 1 | 1 | 0 | 15:30 - 15:45 | 0 | 1 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 | 07:45 - 08:00 | 0 | 0 | 0 | 1 | 15:45 - 16:00 | 2 | 3 | 0 | 0 |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 1 | 1 | 0 | 0 | 16:00 - 16:15 | 0 | 0 | 2 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 0 | 0 | 0 | 0 | 16:15 - 16:30 | 0 | 0 | 1 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 | 08:30 - 08:45 | 0 | 0 | 0 | 0 | 16:30 - 16:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 | 08:45 - 09:00 | 0 | 0 | 0 | 0 | 16:45 - 17:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 0 | 17:00 - 17:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 1 | 0 | 1 | 17:15 - 17:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 1 | 1 | 0 | 0 | 17:30 - 17:45 | 0 | 1 | 2 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 0 | 0 | 0 | 0 | 17:45 - 18:00 | 1 | 1 | 1 | 2 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:15 - 10:30 | 0 | 2 | 0 | 1 | 18:00 - 18:15 | 1 | 1 | 0 | 1 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 1 | 0 | 1 | 0 | 18:15 - 18:30 | 0 | 0 | 2 | 1 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 1 | 1 | 0 | 1 | 18:30 - 18:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 11:15 - 11:30 | 0 | 0 | 0 | 2 | 18:45 - 19:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 1 | 0 | 0 | 0 | 19:00 - 19:15 | 2 | 4 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 0 | 0 | 0 | 2 | 19:15 - 19:30 | 1 | 1 | 0 | 0 |
| 03:30 - 03:45 | 2 | 1 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 0 | 0 | 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 1 | 0 | 0 | 19:45 - 20:00 | 0 | 0 | 1 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:30 - 12:45 | 2 | 1 | 0 | 0 | 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 2 | 2 | 0 | 0 | 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 2 | 2 | 0 | 0 | 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 1 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 1 | 0 | 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:30 - 13:45 | 0 | 0 | 0 | 0 | 21:00 - 21:15 | 1 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 1 | 1 | 1 | 0 | 21:15 - 21:30 | 1 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 | 14:00 - 14:15 | 0 | 0 | 0 | 1 | 21:30 - 21:45 | 1 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 0 | 1 | 1 | 1 | 21:45 - 22:00 | 1 | 0 | 1 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 | 14:30 - 14:45 | 0 | 0 | 0 | 0 | 22:00 - 22:15 | 0 | 0 | 0 | 2 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 0 | 1 | 0 | 1 | 22:15 - 22:30 | 0 | 0 | 1 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 | | | | | | TOTAL | 27 | 31 | 16 | 17 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | | | | | | Difference | -4 | | -1 | |
| | | | | | | | | | | % Error | -13% | | -6% | |

## PEDESTRIAN COUNTS

# PEDESTRIAN DATA

| TIME | Weekday (05/16/2013) SOUTH | Weekday (05/16/2013) NORTH | Weekend (05/18/2013) SOUTH | Weekend (05/18/2013) NORTH |
|---|---|---|---|---|
| 23:00 - 23:15 | | 1 | 0 | 0 |
| 23:15 - 23:30 | 1 | 0 | 0 | 0 |
| 23:30 - 23:45 | | 0 | 0 | 0 |
| 23:45 - 24:00 | | 0 | 0 | 0 |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | | 0 | 0 | 0 |
| 00:30 - 00:45 | | 0 | 0 | 0 |
| 00:45 - 01:00 | | 0 | 0 | 0 |
| 01:00 - 01:15 | 2 | 0 | 0 | 0 |
| 01:15 - 01:30 | | 0 | 0 | 0 |
| 01:30 - 01:45 | | 0 | 1 | 0 |
| 01:45 - 02:00 | | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | | 0 | 1 | 4 |
| 02:30 - 02:45 | | 0 | 0 | 0 |
| 02:45 - 03:00 | | 0 | 1 | 0 |
| 03:00 - 03:15 | 1 | 0 | 0 | 0 |
| 03:15 - 03:30 | | 0 | 0 | 0 |
| 03:30 - 03:45 | | 0 | 0 | 0 |
| 03:45 - 04:00 | | 0 | 1 | 0 |
| 04:00 - 04:15 | 1 | 0 | 0 | 1 |
| 04:15 - 04:30 | | 0 | 0 | 0 |
| 04:30 - 04:45 | | 0 | 0 | 0 |
| 04:45 - 05:00 | | 0 | 0 | 0 |
| 05:00 - 05:15 | 1 | 0 | 0 | 0 |
| 05:15 - 05:30 | | 0 | 0 | 0 |
| 05:30 - 05:45 | | 1 | 1 | 2 |
| 05:45 - 06:00 | | 0 | 0 | 0 |
| 06:00 - 06:15 | 2 | 0 | 1 | 0 |
| 06:15 - 06:30 | | 0 | 1 | 0 |
| 06:30 - 06:45 | | 0 | 0 | 1 |
| 06:45 - 07:00 | | 0 | 0 | 0 |

| TIME | Weekday (05/16/2013) SOUTH | Weekday (05/16/2013) NORTH | Weekend (05/18/2013) SOUTH | Weekend (05/18/2013) NORTH |
|---|---|---|---|---|
| 07:00 - 07:15 | | 1 | 0 | 0 |
| 07:15 - 07:30 | 6 | 1 | 0 | 0 |
| 07:30 - 07:45 | | 5 | 0 | 0 |
| 07:45 - 08:00 | | 2 | 0 | 0 |
| 08:00 - 08:15 | 13 | 7 | 0 | 1 |
| 08:15 - 08:30 | | 5 | 0 | 0 |
| 08:30 - 08:45 | | 1 | 0 | 1 |
| 08:45 - 09:00 | | 1 | 1 | 0 |
| 09:00 - 09:15 | 2 | 0 | 1 | 0 |
| 09:15 - 09:30 | | 0 | 0 | 1 |
| 09:30 - 09:45 | | 0 | 0 | 1 |
| 09:45 - 10:00 | | 0 | 1 | 0 |
| 10:00 - 10:15 | 1 | 0 | | 0 |
| 10:15 - 10:30 | | 0 | 1 | 0 |
| 10:30 - 10:45 | | 0 | | 1 |
| 10:45 - 11:00 | | 0 | | 0 |
| 11:00 - 11:15 | 2 | 0 | 3 | 0 |
| 11:15 - 11:30 | | 1 | 1 | 2 |
| 11:30 - 11:45 | | 0 | 0 | 0 |
| 11:45 - 12:00 | | 0 | 0 | 0 |
| 12:00 - 12:15 | 1 | 0 | 1 | 0 |
| 12:15 - 12:30 | | 0 | 0 | 0 |
| 12:30 - 12:45 | | 0 | 0 | 0 |
| 12:45 - 13:00 | | 1 | 0 | 0 |
| 13:00 - 13:15 | 1 | 0 | 0 | 2 |
| 13:15 - 13:30 | | 1 | 1 | 0 |
| 13:30 - 13:45 | | 0 | 0 | 0 |
| 13:45 - 14:00 | | 0 | 0 | 0 |
| 14:00 - 14:15 | 3 | 1 | 0 | 1 |
| 14:15 - 14:30 | | 1 | 0 | 1 |
| 14:30 - 14:45 | | 0 | 0 | 0 |
| 14:45 - 15:00 | | 1 | 1 | 0 |

| TIME | Weekday (05/16/2013) SOUTH | Weekday (05/16/2013) NORTH | Weekend (05/18/2013) SOUTH | Weekend (05/18/2013) NORTH |
|---|---|---|---|---|
| 15:00 - 15:15 | | 6 | 0 | 1 |
| 15:15 - 15:30 | 6 | 2 | 0 | 0 |
| 15:30 - 15:45 | | 1 | 4 | 0 |
| 15:45 - 16:00 | | 0 | 1 | 0 |
| 16:00 - 16:15 | 2 | 1 | 2 | 0 |
| 16:15 - 16:30 | | 1 | 0 | 0 |
| 16:30 - 16:45 | | 1 | 1 | 0 |
| 16:45 - 17:00 | | 1 | 1 | 0 |
| 17:00 - 17:15 | 0 | 0 | 0 | 2 |
| 17:15 - 17:30 | | 1 | 1 | 0 |
| 17:30 - 17:45 | | 0 | 0 | 0 |
| 17:45 - 18:00 | | 0 | 0 | 1 |
| 18:00 - 18:15 | 0 | 0 | 1 | 0 |
| 18:15 - 18:30 | | 0 | 0 | 2 |
| 18:30 - 18:45 | | 0 | 0 | 4 |
| 18:45 - 19:00 | | 0 | 0 | 0 |
| 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 19:15 - 19:30 | | 0 | 0 | 0 |
| 19:30 - 19:45 | | 0 | 0 | 0 |
| 19:45 - 20:00 | | 0 | 0 | 0 |
| 20:00 - 20:15 | 2 | 0 | 0 | 0 |
| 20:15 - 20:30 | | 0 | 0 | 0 |
| 20:30 - 20:45 | | 0 | 0 | 0 |
| 20:45 - 21:00 | | 0 | 0 | 0 |
| 21:00 - 21:15 | 1 | 0 | 1 | 0 |
| 21:15 - 21:30 | | 0 | 1 | 0 |
| 21:30 - 21:45 | | 0 | 0 | 1 |
| 21:45 - 22:00 | | 1 | 0 | 0 |
| 22:00 - 22:15 | 0 | 0 | | 0 |
| 22:15 - 22:30 | | 0 | 0 | 0 |
| 22:30 - 22:45 | | 0 | | 1 |
| 22:45 - 23:00 | | 0 | | 0 |
| **TOTAL** | **46** | **51** | **31** | **31** |

Estimated counts using correction factor

# ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 |  | 0 | 0 | 0 |
| 23:30 - 23:45 |  | 0 | 0 | 0 |
| 23:45 - 24:00 |  | 0 | 0 | 0 |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 |  | 0 | 0 | 0 |
| 00:30 - 00:45 |  | 0 | 0 | 0 |
| 00:45 - 01:00 |  | 0 | 0 | 0 |
| 01:00 - 01:15 | 1 | 0 | 0 | 0 |
| 01:15 - 01:30 |  | 0 | 0 | 0 |
| 01:30 - 01:45 |  | 1 | 0 | 0 |
| 01:45 - 02:00 |  | 0 | 0 | 0 |
| 02:00 - 02:15 | 2 | 0 | 2 | 0 |
| 02:15 - 02:30 |  | 1 | 0 | 4 |
| 02:30 - 02:45 |  | 0 | 0 | 0 |
| 02:45 - 03:00 |  | 1 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 |  | 0 | 0 | 0 |
| 03:30 - 03:45 |  | 0 | 0 | 0 |
| 03:45 - 04:00 |  | 1 | 1 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 1 |
| 04:15 - 04:30 |  | 0 | 0 | 0 |
| 04:30 - 04:45 |  | 0 | 0 | 0 |
| 04:45 - 05:00 |  | 0 | 0 | 0 |
| 05:00 - 05:15 | 1 | 0 | 0 | 0 |
| 05:15 - 05:30 |  | 0 | 2 | 0 |
| 05:30 - 05:45 |  | 1 | 0 | 2 |
| 05:45 - 06:00 |  | 0 | 0 | 0 |
| 06:00 - 06:15 | 2 | 1 | 0 | 0 |
| 06:15 - 06:30 |  | 1 | 1 | 0 |
| 06:30 - 06:45 |  | 0 | 0 | 1 |
| 06:45 - 07:00 |  | 0 | 0 | 0 |

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 07:00 - 07:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 |  | 0 | 0 | 0 |
| 07:30 - 07:45 |  | 0 | 0 | 0 |
| 07:45 - 08:00 |  | 0 | 1 | 0 |
| 08:00 - 08:15 | 3 | 0 | 0 | 1 |
| 08:15 - 08:30 |  | 0 | 1 | 0 |
| 08:30 - 08:45 |  | 0 | 0 | 1 |
| 08:45 - 09:00 |  | 1 | 0 | 0 |
| 09:00 - 09:15 | 2 | 1 | 1 | 0 |
| 09:15 - 09:30 |  | 0 | 1 | 1 |
| 09:30 - 09:45 |  | 0 | 0 | 1 |
| 09:45 - 10:00 |  | 1 | 1 | 0 |
| 11:00 - 11:15 | 2 | 3 | 1 | 0 |
| 11:15 - 11:30 |  | 1 | 0 | 2 |
| 11:30 - 11:45 |  | 0 | 0 | 0 |
| 11:45 - 12:00 |  | 0 | 0 | 0 |
| 12:00 - 12:15 | 1 | 1 | 0 | 0 |
| 12:15 - 12:30 |  | 0 | 0 | 0 |
| 12:30 - 12:45 |  | 0 | 0 | 0 |
| 12:45 - 13:00 |  | 0 | 1 | 0 |
| 13:00 - 13:15 | 1 | 0 | 0 | 2 |
| 13:15 - 13:30 |  | 1 | 0 | 0 |
| 13:30 - 13:45 |  | 0 | 0 | 0 |
| 13:45 - 14:00 |  | 0 | 1 | 0 |
| 14:00 - 14:15 | 2 | 0 | 0 | 1 |
| 14:15 - 14:30 |  | 0 | 1 | 1 |
| 14:30 - 14:45 |  | 0 | 1 | 0 |
| 14:45 - 15:00 |  | 1 | 1 | 0 |
| 15:00 - 15:15 | 4 | 0 | 0 | 1 |
| 15:15 - 15:30 |  | 0 | 2 | 0 |
| 15:30 - 15:45 |  | 4 | 0 | 0 |
| 15:45 - 16:00 |  | 1 | 0 | 0 |

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 16:00 - 16:15 | 4 | 2 | 0 | 0 |
| 16:15 - 16:30 |  | 0 | 0 | 0 |
| 16:30 - 16:45 |  | 1 | 0 | 0 |
| 16:45 - 17:00 |  | 1 | 2 | 0 |
| 17:00 - 17:15 | 4 | 0 | 0 | 2 |
| 17:15 - 17:30 |  | 1 | 0 | 0 |
| 17:30 - 17:45 |  | 0 | 0 | 0 |
| 17:45 - 18:00 |  | 0 | 0 | 1 |
| 18:00 - 18:15 | 4 | 1 | 0 | 0 |
| 18:15 - 18:30 |  | 0 | 1 | 2 |
| 18:30 - 18:45 |  | 0 | 0 | 4 |
| 18:45 - 19:00 |  | 0 | 0 | 0 |
| 19:00 - 19:15 | 4 | 0 | 0 | 0 |
| 19:15 - 19:30 |  | 0 | 0 | 0 |
| 19:30 - 19:45 |  | 0 | 0 | 0 |
| 19:45 - 20:00 |  | 0 | 0 | 0 |
| 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 20:15 - 20:30 |  | 0 | 0 | 0 |
| 20:30 - 20:45 |  | 0 | 0 | 0 |
| 20:45 - 21:00 |  | 0 | 0 | 0 |
| 21:00 - 21:15 | 1 | 1 | 0 | 0 |
| 21:15 - 21:30 |  | 1 | 1 | 0 |
| 21:30 - 21:45 |  | 0 | 0 | 1 |
| 21:45 - 22:00 |  | 0 | 1 | 0 |
| TOTAL | 38 | 30 | 25 | 30 |
| Difference | 8 |  | -5 |  |
| % Error | 27% |  | -17% |  |

# Belmont St. south of E. Lake Mead Blvd.

Lake Mead Blvd.

Ped Counters

Bike Tubes

Belmont St.

Video Camera
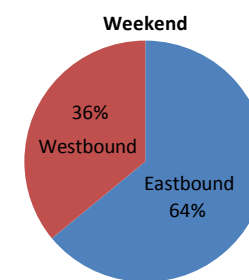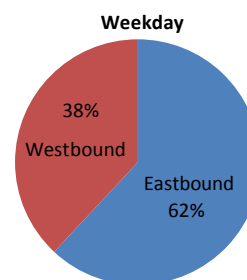








### BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 53
- Total Weekend Bike Count: 39
- Total Bike Traffic for the Period Analyzed: 92

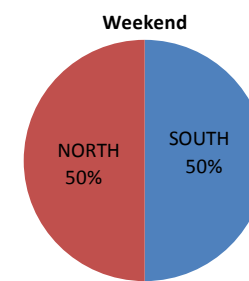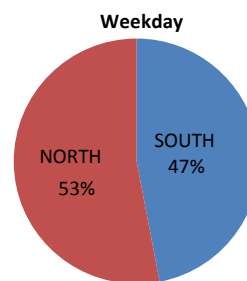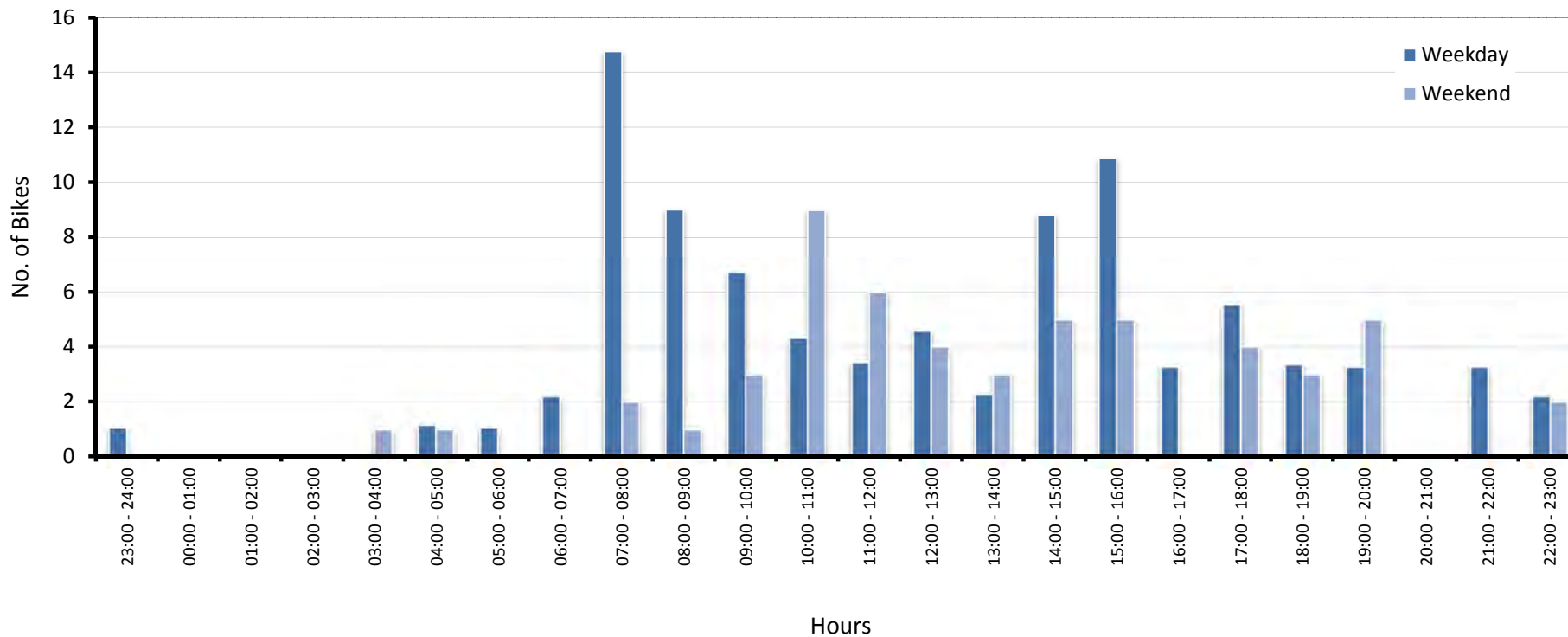**Distribution by Direction**

Weekday

Southbound 55%
Northbound 45%

Weekend

Southbound 38%
Northbound 62%
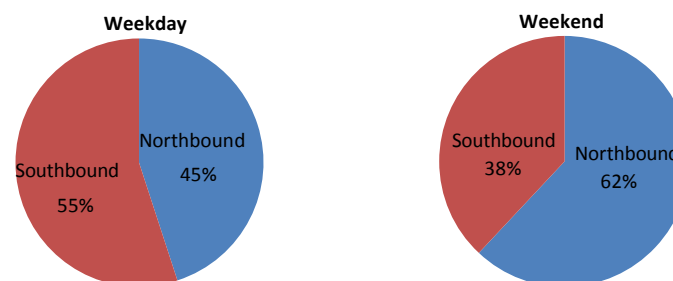
### PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 381
- Total Weekend Pedestrian Count: 172
- Total Pedestrian Traffic for the Period Analyzed: 553

**Distribution by Sidewalk Side**

Weekday

WEST 45%
EAST 55%

Weekend

WEST 34%
EAST 66%

## BIKE COUNTS

# BIKE DATA

| TIME | Weekday (09/12/2013) Northbound | Weekday (09/12/2013) Southbound | Weekend (09/14/2013) Northbound | Weekend (09/14/2013) Southbound | TIME | Weekday (09/12/2013) Northbound | Weekday (09/12/2013) Southbound | Weekend (09/14/2013) Northbound | Weekend (09/14/2013) Southbound | TIME | Weekday (09/12/2013) Northbound | Weekday (09/12/2013) Southbound | Weekend (09/14/2013) Northbound | Weekend (09/14/2013) Southbound |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 0 | 0 | 0 | 0 | 16:00 - 16:15 | 1 | 0 | 0 | 1 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 0 | 0 | 1 | 0 | 16:15 - 16:30 | 0 | 0 | 1 | 1 |
| 00:30 - 00:45 | 1 | 0 | 0 | 0 | 08:30 - 08:45 | 0 | 0 | 0 | 0 | 16:30 - 16:45 | 0 | 1 | 1 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 | 08:45 - 09:00 | 0 | 0 | 0 | 0 | 16:45 - 17:00 | 1 | 1 | 1 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 0 | 17:00 - 17:15 | 1 | 1 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 1 | 0 | 0 | 0 | 17:15 - 17:30 | 0 | 3 | 0 | 1 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 1 | 0 | 1 | 0 | 17:30 - 17:45 | 1 | 1 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 1 | 0 | 0 | 0 | 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 1 | 0 | 0 | 0 | 18:00 - 18:15 | 0 | 3 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 | 10:15 - 10:30 | 0 | 0 | 0 | 0 | 18:15 - 18:30 | 0 | 0 | 1 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 0 | 0 | 3 | 0 | 18:30 - 18:45 | 1 | 0 | 2 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 0 | 1 | 0 | 0 | 18:45 - 19:00 | 0 | 1 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 0 | 0 | 0 | 0 | 19:00 - 19:15 | 0 | 0 | 1 | 0 |
| 03:15 - 03:30 | 0 | 0 | 2 | 0 | 11:15 - 11:30 | 1 | 3 | 0 | 0 | 19:15 - 19:30 | 1 | 0 | 0 | 4 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 0 | 1 | 0 | 0 | 19:30 - 19:45 | 0 | 0 | 1 | 0 |
| 03:45 - 04:00 | 0 | 0 | 1 | 0 | 11:45 - 12:00 | 0 | 0 | 0 | 0 | 19:45 - 20:00 | 1 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 0 | 2 | 20:00 - 20:15 | 1 | 1 | 1 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 0 | 20:15 - 20:30 | 1 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 | 12:30 - 12:45 | 0 | 1 | 0 | 0 | 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 1 | 0 | 12:45 - 13:00 | 0 | 0 | 0 | 0 | 20:45 - 21:00 | 1 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 1 | 0 | 0 | 2 | 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 1 | 0 | 0 | 0 | 21:15 - 21:30 | 1 | 0 | 0 | 0 |
| 05:30 - 05:45 | 1 | 1 | 0 | 0 | 13:30 - 13:45 | 0 | 0 | 1 | 0 | 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 0 | 0 | 2 | 0 | 21:45 - 22:00 | 1 | 0 | 0 | 0 |
| 06:00 - 06:15 | 1 | 0 | 0 | 1 | 14:00 - 14:15 | 0 | 1 | 0 | 0 | 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 0 | 0 | 0 | 0 | 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 3 | 0 | 0 | 14:30 - 14:45 | 0 | 0 | 0 | 1 | 22:30 - 22:45 | 0 | 0 | 0 | 1 |
| 06:45 - 07:00 | 1 | 0 | 1 | 0 | 14:45 - 15:00 | 1 | 0 | 0 | 0 | 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| 07:00 - 07:15 | 1 | 0 | 0 | 0 | 15:00 - 15:15 | 1 | 0 | 0 | 0 | 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 | 15:15 - 15:30 | 0 | 1 | 0 | 0 | 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 1 | 0 | 1 | 0 | 15:30 - 15:45 | 1 | 0 | 1 | 0 | 23:30 - 23:45 | 0 | 0 | 0 | 1 |
| 07:45 - 08:00 | 0 | 0 | 0 | 0 | 15:45 - 16:00 | 1 | 1 | 0 | 0 | 23:45 - 24:00 | 0 | 0 | 0 | 0 |
|  |  |  |  |  |  |  |  |  |  | TOTAL | 24 | 29 | 24 | 15 |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 1 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 1 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 2 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 2 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 1 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 1 | 1 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 1 | 0 | 0 | 0 |
| 06:00 - 06:15 | 1 | 0 | 0 | 1 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 1 | 1 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 1 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 1 | 0 | 0 |
| 07:45 - 08:00 | 1 | 0 | 0 | 0 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 08:00 - 08:15 | 0 | 0 | 0 | 0 |
| 08:15 - 08:30 | 0 | 1 | 0 | 0 |
| 08:30 - 08:45 | 0 | 0 | 0 | 0 |
| 08:45 - 09:00 | 0 | 0 | 0 | 0 |
| 09:00 - 09:15 | 0 | 0 | 0 | 0 |
| 09:15 - 09:30 | 0 | 0 | 0 | 0 |
| 09:30 - 09:45 | 0 | 1 | 0 | 0 |
| 09:45 - 10:00 | 1 | 0 | 0 | 0 |
| 10:00 - 10:15 | 0 | 0 | 0 | 0 |
| 10:15 - 10:30 | 2 | 0 | 0 | 0 |
| 10:30 - 10:45 | 1 | 3 | 0 | 0 |
| 10:45 - 11:00 | 0 | 0 | 0 | 0 |
| 11:00 - 11:15 | 0 | 0 | 0 | 0 |
| 11:15 - 11:30 | 1 | 0 | 0 | 0 |
| 11:30 - 11:45 | 0 | 0 | 0 | 0 |
| 11:45 - 12:00 | 0 | 0 | 0 | 0 |
| 12:00 - 12:15 | 0 | 0 | 0 | 2 |
| 12:15 - 12:30 | 0 | 0 | 0 | 0 |
| 12:30 - 12:45 | 2 | 0 | 0 | 0 |
| 12:45 - 13:00 | 1 | 0 | 1 | 0 |
| 13:00 - 13:15 | 0 | 0 | 0 | 2 |
| 13:15 - 13:30 | 1 | 0 | 0 | 0 |
| 13:30 - 13:45 | 1 | 1 | 0 | 0 |
| 13:45 - 14:00 | 0 | 2 | 0 | 0 |
| 14:00 - 14:15 | 0 | 0 | 0 | 0 |
| 14:15 - 14:30 | 0 | 0 | 0 | 0 |
| 14:30 - 14:45 | 0 | 0 | 1 | 1 |
| 14:45 - 15:00 | 1 | 0 | 0 | 0 |
| 15:00 - 15:15 | 0 | 0 | 0 | 0 |
| 15:15 - 15:30 | 0 | 0 | 0 | 0 |
| 15:30 - 15:45 | 0 | 1 | 0 | 0 |
| 15:45 - 16:00 | 0 | 0 | 0 | 0 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 16:00 - 16:15 | 0 | 0 | 0 | 1 |
| 16:15 - 16:30 | 0 | 1 | 1 | 1 |
| 16:30 - 16:45 | 0 | 1 | 0 | 0 |
| 16:45 - 17:00 | 2 | 1 | 0 | 0 |
| 17:00 - 17:15 | 1 | 0 | 0 | 0 |
| 17:15 - 17:30 | 1 | 0 | 0 | 1 |
| 17:30 - 17:45 | 0 | 0 | 0 | 0 |
| 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 18:00 - 18:15 | 1 | 0 | 0 | 0 |
| 18:15 - 18:30 | 1 | 1 | 0 | 0 |
| 18:30 - 18:45 | 1 | 2 | 0 | 0 |
| 18:45 - 19:00 | 1 | 0 | 0 | 0 |
| 19:00 - 19:15 | 0 | 1 | 0 | 0 |
| 19:15 - 19:30 | 1 | 0 | 0 | 4 |
| 19:30 - 19:45 | 0 | 1 | 1 | 0 |
| 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 20:00 - 20:15 | 1 | 1 | 1 | 0 |
| 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 20:30 - 20:45 | 1 | 0 | 1 | 0 |
| 20:45 - 21:00 | 0 | 0 | 3 | 0 |
| 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 21:45 - 22:00 | 1 | 0 | 0 | 0 |
| 22:00 - 22:15 | 0 | 0 | 1 | 0 |
| 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 22:30 - 22:45 | 0 | 0 | 0 | 1 |
| 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 1 | 1 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| TOTAL | 33 | 24 | 11 | 15 |
| Difference | 9 | | -4 | |
| % Error | 38% | | -27% | |

## PEDESTRIAN COUNTS

# PEDESTRIAN DATA

| TIME | Weekday (09/12/2013) EAST | Weekday (09/12/2013) WEST | Weekend (09/14/2013) EAST | Weekend (09/14/2013) WEST |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 1 |
| 00:15 - 00:30 | 2 | 0 | 1 | 0 |
| 00:30 - 00:45 | 0 | 0 | 1 | 1 |
| 00:45 - 01:00 | 0 | 0 | 1 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 1 | 1 |
| 01:30 - 01:45 | 0 | 1 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 3 | 0 |
| 02:00 - 02:15 | 0 | 0 | 2 | 0 |
| 02:15 - 02:30 | 0 | 1 | 1 | 0 |
| 02:30 - 02:45 | 0 | 0 | 3 | 0 |
| 02:45 - 03:00 | 0 | 0 | 1 | 0 |
| 03:00 - 03:15 | 0 | 0 | 1 | 0 |
| 03:15 - 03:30 | 0 | 0 | 2 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 2 | 0 |
| 04:00 - 04:15 | 0 | 0 | 1 | 0 |
| 04:15 - 04:30 | 0 | 0 | 1 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 2 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 3 | 0 | 1 |
| 05:15 - 05:30 | 2 | 0 | 1 | 0 |
| 05:30 - 05:45 | 0 | 0 | 1 | 2 |
| 05:45 - 06:00 | 2 | 1 | 0 | 0 |
| 06:00 - 06:15 | 0 | 1 | 0 | 1 |
| 06:15 - 06:30 | 0 | 0 | 0 | 1 |
| 06:30 - 06:45 | 2 | 0 | 0 | 0 |
| 06:45 - 07:00 | 3 | 0 | 0 | 0 |
| 07:00 - 07:15 | 6 | 0 | 0 | 1 |
| 07:15 - 07:30 | 10 | 5 | 1 | 0 |
| 07:30 - 07:45 | 42 | 38 | 0 | 0 |
| 07:45 - 08:00 | 26 | 30 | 5 | 1 |

| TIME | Weekday (09/12/2013) EAST | Weekday (09/12/2013) WEST | Weekend (09/14/2013) EAST | Weekend (09/14/2013) WEST |
|---|---|---|---|---|
| 08:00 - 08:15 | 6 | 4 | 0 | 0 |
| 08:15 - 08:30 | 2 | 1 | 1 | 2 |
| 08:30 - 08:45 | 2 | 0 | 0 | 0 |
| 08:45 - 09:00 | 0 | 0 | 1 | 1 |
| 09:00 - 09:15 | 2 | 2 | 2 | 1 |
| 09:15 - 09:30 | 0 | 2 | 0 | 0 |
| 09:30 - 09:45 | 4 | 0 | 0 | 2 |
| 09:45 - 10:00 | 0 | 0 | 1 | 0 |
| 10:00 - 10:15 | 0 | 1 | 2 | 0 |
| 10:15 - 10:30 | 0 | 0 | 6 | 1 |
| 10:30 - 10:45 | 0 | 0 | 2 | 0 |
| 10:45 - 11:00 | 0 | 0 | 2 | 0 |
| 11:00 - 11:15 | 0 | 0 | 1 | 0 |
| 11:15 - 11:30 | 0 | 4 | 0 | 1 |
| 11:30 - 11:45 | 2 | 0 | 5 | 4 |
| 11:45 - 12:00 | 2 | 3 | 0 | 0 |
| 12:00 - 12:15 | 0 | 3 | 0 | 3 |
| 12:15 - 12:30 | 2 | 0 | 0 | 1 |
| 12:30 - 12:45 | 0 | 0 | 4 | 0 |
| 12:45 - 13:00 | 0 | 0 | 2 | 0 |
| 13:00 - 13:15 | 0 | 1 | 0 | 0 |
| 13:15 - 13:30 | 0 | 0 | 0 | 0 |
| 13:30 - 13:45 | 3 | 0 | 2 | 2 |
| 13:45 - 14:00 | 2 | 3 | 1 | 1 |
| 14:00 - 14:15 | 15 | 13 | 5 | 0 |
| 14:15 - 14:30 | 36 | 19 | 4 | 2 |
| 14:30 - 14:45 | 15 | 10 | 3 | 1 |
| 14:45 - 15:00 | 2 | 5 | 0 | 1 |
| 15:00 - 15:15 | 0 | 1 | 0 | 1 |
| 15:15 - 15:30 | 0 | 0 | 0 | 0 |
| 15:30 - 15:45 | 0 | 0 | 1 | 0 |
| 15:45 - 16:00 | 0 | 1 | 3 | 0 |

| TIME | Weekday (09/12/2013) EAST | Weekday (09/12/2013) WEST | Weekend (09/14/2013) EAST | Weekend (09/14/2013) WEST |
|---|---|---|---|---|
| 16:00 - 16:15 | 2 | 0 | 2 | 0 |
| 16:15 - 16:30 | 0 | 1 | 3 | 1 |
| 16:30 - 16:45 | 0 | 0 | 2 | 1 |
| 16:45 - 17:00 | 0 | 1 | 2 | 0 |
| 17:00 - 17:15 | 0 | 1 | 0 | 0 |
| 17:15 - 17:30 | 2 | 0 | 0 | 2 |
| 17:30 - 17:45 | 3 | 1 | 1 | 1 |
| 17:45 - 18:00 | 0 | 0 | 1 | 1 |
| 18:00 - 18:15 | 2 | 3 | 0 | 1 |
| 18:15 - 18:30 | 0 | 0 | 0 | 1 |
| 18:30 - 18:45 | 0 | 0 | 5 | 1 |
| 18:45 - 19:00 | 2 | 1 | 1 | 9 |
| 19:00 - 19:15 | 3 | 0 | 2 | 0 |
| 19:15 - 19:30 | 0 | 1 | 2 | 3 |
| 19:30 - 19:45 | 2 | 0 | 3 | 0 |
| 19:45 - 20:00 | 0 | 1 | 1 | 0 |
| 20:00 - 20:15 | 0 | 0 | 4 | 1 |
| 20:15 - 20:30 | 3 | 0 | 2 | 0 |
| 20:30 - 20:45 | 0 | 0 | 1 | 0 |
| 20:45 - 21:00 | 0 | 0 | 2 | 0 |
| 21:00 - 21:15 | 0 | 1 | 0 | 0 |
| 21:15 - 21:30 | 3 | 1 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 21:45 - 22:00 | 2 | 1 | 0 | 0 |
| 22:00 - 22:15 | 0 | 0 | 0 | 1 |
| 22:15 - 22:30 | 2 | 0 | 0 | 1 |
| 22:30 - 22:45 | 2 | 1 | 0 | 0 |
| 22:45 - 23:00 | 0 | 0 | 1 | 0 |
| 23:00 - 23:15 | 0 | 1 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 2 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| **TOTAL** | **210** | **171** | **114** | **58** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera | TIME | Ped Counter | Video Camera | Ped Counter | Video Camera | TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 1 | 08:00 - 08:15 | 0 | 0 | 2 | 0 | 16:00 - 16:15 | 1 | 2 | 0 | 0 |
| 00:15 - 00:30 | 0 | 1 | 1 | 0 | 08:15 - 08:30 | 0 | 1 | 0 | 2 | 16:15 - 16:30 | 1 | 3 | 0 | 1 |
| 00:30 - 00:45 | 2 | 1 | 0 | 1 | 08:30 - 08:45 | 0 | 0 | 0 | 0 | 16:30 - 16:45 | 1 | 2 | 1 | 1 |
| 00:45 - 01:00 | 0 | 1 | 0 | 0 | 08:45 - 09:00 | 1 | 1 | 1 | 1 | 16:45 - 17:00 | 1 | 2 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 1 | 2 | 1 | 1 | 17:00 - 17:15 | 1 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 1 | 0 | 1 | 09:15 - 09:30 | 0 | 0 | 0 | 0 | 17:15 - 17:30 | 0 | 0 | 1 | 2 |
| 01:30 - 01:45 | 0 | 0 | 1 | 0 | 09:30 - 09:45 | 0 | 0 | 1 | 2 | 17:30 - 17:45 | 0 | 1 | 2 | 1 |
| 01:45 - 02:00 | 2 | 3 | 0 | 0 | 09:45 - 10:00 | 0 | 1 | 0 | 0 | 17:45 - 18:00 | 0 | 1 | 0 | 1 |
| 02:00 - 02:15 | 2 | 2 | 0 | 0 | 10:00 - 10:15 | 1 | 2 | 0 | 0 | 18:00 - 18:15 | 0 | 0 | 0 | 1 |
| 02:15 - 02:30 | 1 | 1 | 0 | 0 | 10:15 - 10:30 | 3 | 6 | 0 | 1 | 18:15 - 18:30 | 1 | 0 | 0 | 1 |
| 02:30 - 02:45 | 2 | 3 | 1 | 0 | 10:30 - 10:45 | 0 | 2 | 0 | 0 | 18:30 - 18:45 | 2 | 5 | 1 | 1 |
| 02:45 - 03:00 | 0 | 1 | 0 | 0 | 10:45 - 11:00 | 0 | 2 | 0 | 0 | 18:45 - 19:00 | 0 | 1 | 5 | 9 |
| 03:00 - 03:15 | 2 | 1 | 0 | 0 | 11:00 - 11:15 | 2 | 1 | 0 | 0 | 19:00 - 19:15 | 2 | 2 | 2 | 0 |
| 03:15 - 03:30 | 1 | 2 | 0 | 0 | 11:15 - 11:30 | 0 | 0 | 1 | 1 | 19:15 - 19:30 | 0 | 2 | 1 | 3 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 1 | 5 | 4 | 4 | 19:30 - 19:45 | 1 | 3 | 0 | 0 |
| 03:45 - 04:00 | 1 | 2 | 0 | 0 | 11:45 - 12:00 | 2 | 0 | 1 | 0 | 19:45 - 20:00 | 1 | 1 | 1 | 0 |
| 04:00 - 04:15 | 0 | 1 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 1 | 3 | 20:00 - 20:15 | 2 | 4 | 1 | 1 |
| 04:15 - 04:30 | 1 | 1 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 2 | 1 | 20:15 - 20:30 | 1 | 2 | 0 | 0 |
| 04:30 - 04:45 | 1 | 0 | 0 | 0 | 12:30 - 12:45 | 2 | 4 | 0 | 0 | 20:30 - 20:45 | 1 | 1 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 0 | 2 | 0 | 0 | 20:45 - 21:00 | 0 | 2 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 1 | 13:00 - 13:15 | 0 | 0 | 0 | 0 | 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 1 | 1 | 0 | 13:15 - 13:30 | 1 | 0 | 2 | 0 | 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 1 | 1 | 2 | 13:30 - 13:45 | 0 | 2 | 1 | 2 | 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 1 | 0 | 13:45 - 14:00 | 1 | 1 | 0 | 1 | 21:45 - 22:00 | 0 | 0 | 1 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 1 | 14:00 - 14:15 | 2 | 5 | 0 | 0 | 22:00 - 22:15 | 0 | 0 | 1 | 1 |
| 06:15 - 06:30 | 0 | 0 | 0 | 1 | 14:15 - 14:30 | 3 | 4 | 1 | 2 | 22:15 - 22:30 | 0 | 0 | 0 | 1 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 | 14:30 - 14:45 | 2 | 3 | 0 | 1 | 22:30 - 22:45 | 0 | 0 | 1 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 0 | 0 | 1 | 1 | 22:45 - 23:00 | 0 | 1 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 1 | 15:00 - 15:15 | 1 | 0 | 0 | 1 | 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 1 | 1 | 0 | 15:15 - 15:30 | 0 | 0 | 0 | 0 | 23:15 - 23:30 | 0 | 2 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 | 15:30 - 15:45 | 0 | 1 | 0 | 0 | 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 3 | 5 | 0 | 1 | 15:45 - 16:00 | 2 | 3 | 0 | 0 | 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | TOTAL | 59 | 114 | 44 | 58 |
| | | | | | | | | | | Difference | -55 | | -14 | |
| | | | | | | | | | | % Error | -48% | | -24% | |

**Bonneville Ave. east of Casino Center Blvd.**

RTC

CA Group, Inc
CAVIOLA ANSON
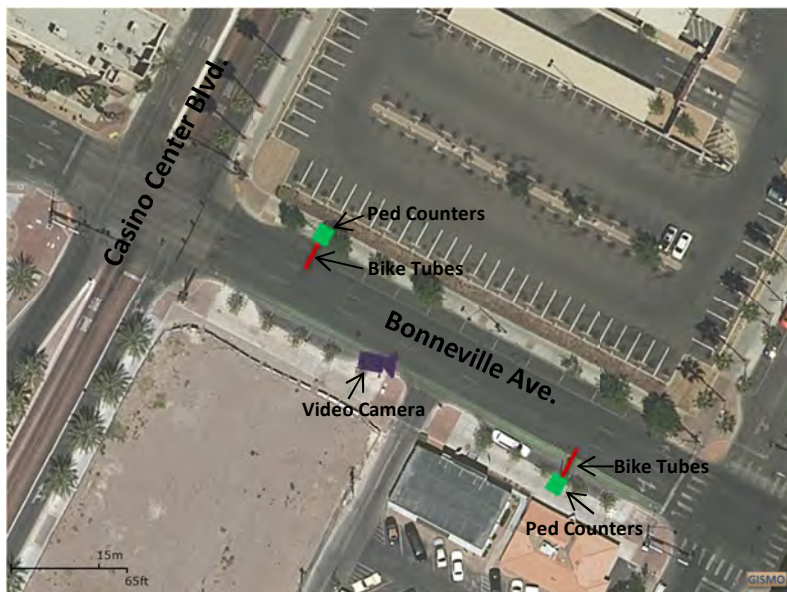


## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 35
- Total Weekend Bike Count: 57
- Total Bike Traffic for the Period Analyzed: 92

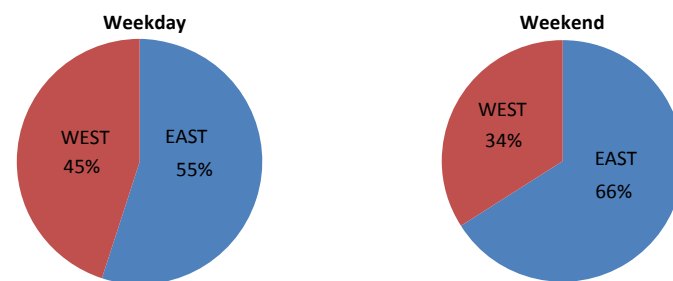### Distribution by Direction

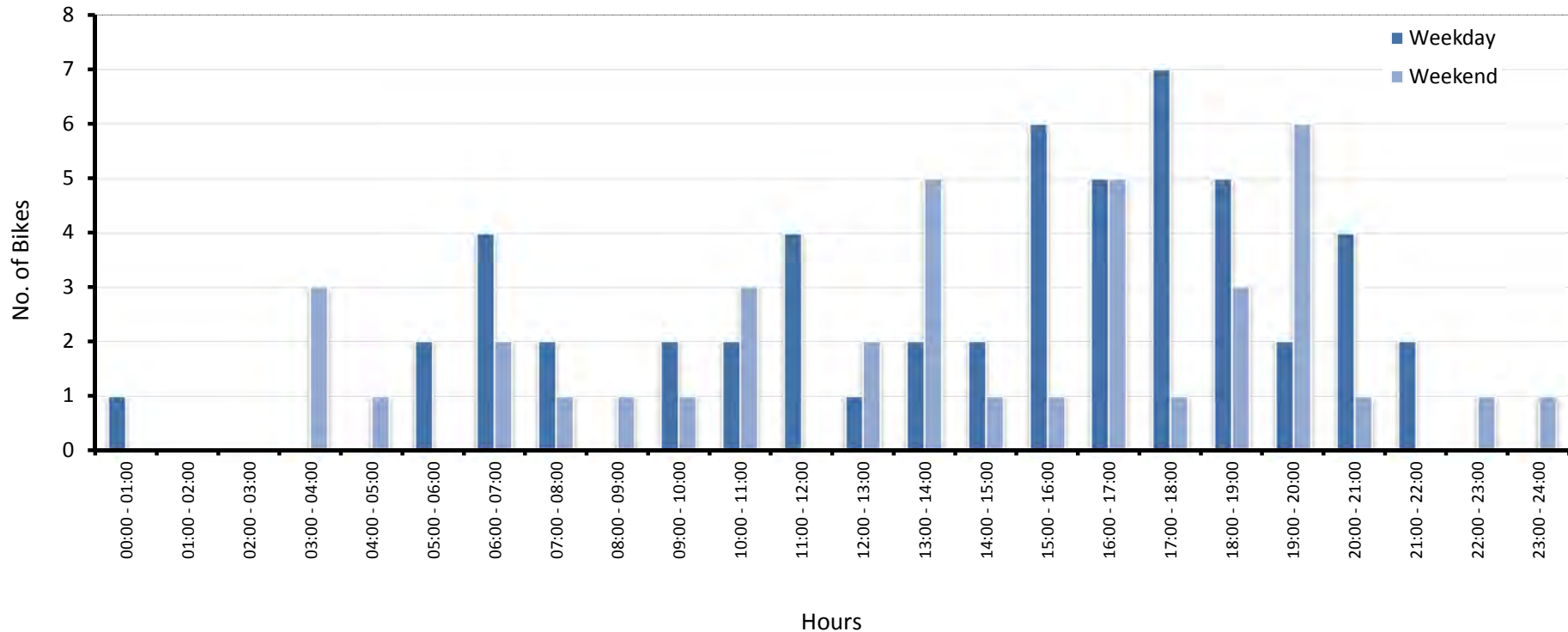**Weekday**

Eastbound
100%

**Weekend**

Eastbound
100%



## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 589
- Total Weekend Pedestrian Count: 480
- Total Pedestrian Traffic for the Period Analyzed: 1,069

### Distribution by Sidewalk Side

**Weekday**

NORTH
62%

SOUTH
38%

**Weekend**

NORTH
70%

SOUTH
30%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (04/17/2013) East bound | Weekend (04/20/2013) East bound |
|---|---|---|
| 00:00 - 01:00 | 0 | 0 |
| 01:00 - 02:00 | 0 | 0 |
| 02:00 - 03:00 | 0 | 1 |
| 03:00 - 04:00 | 0 | 1 |
| 04:00 - 05:00 | 0 | 0 |
| 05:00 - 06:00 | 0 | 1 |
| 06:00 - 07:00 | 0 | 0 |
| 07:00 - 08:00 | 1 | 1 |
| 08:00 - 09:00 | 2 | 3 |
| 09:00 - 10:00 | 3 | 2 |
| 10:00 - 11:00 | 4 | 3 |
| 11:00 - 12:00 | 0 | 4 |
| 12:00 - 13:00 | 2 | 1 |
| 13:00 - 14:00 | 2 | 2 |
| 14:00 - 15:00 | 6 | 3 |
| 15:00 - 16:00 | 2 | 3 |
| 16:00 - 17:00 | 3 | 2 |
| 17:00 - 18:00 | 4 | 0 |
| 18:00 - 19:00 | 4 | 3 |
| 19:00 - 20:00 | 0 | 3 |
| 20:00 - 21:00 | 1 | 3 |
| 21:00 - 22:00 | 1 | 2 |
| 22:00 - 23:00 | 0 | 17 |
| 23:00 - 24:00 | 0 | 2 |
| **TOTAL** | **35** | **57** |

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|------|------|------|------|------|
| 00:00 - 01:00 | 0 | 0 | 1 | 0 |
| 01:00 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 03:00 | 0 | 0 | 1 | 1 |
| 03:00 - 04:00 | 0 | 0 | 0 | 1 |
| 04:00 - 05:00 | 0 | 0 | 1 | 0 |
| 05:00 - 06:00 | 0 | 0 | 1 | 1 |
| 06:00 - 07:00 | 0 | 0 | 1 | 0 |
| 07:00 - 08:00 | 0 | 1 | 0 | 1 |
| 08:00 - 09:00 | 0 | 2 | 4 | 3 |
| 09:00 - 10:00 | 0 | 3 | 2 | 2 |
| 10:00 - 11:00 | 0 | 4 | 2 | 3 |
| 11:00 - 12:00 | 0 | 0 | 4 | 4 |
| 12:00 - 13:00 | 0 | 2 | 2 | 1 |
| 13:00 - 14:00 | 0 | 2 | 1 | 2 |
| 14:00 - 15:00 | 1 | 6 | 4 | 3 |
| 15:00 - 16:00 | 3 | 2 | 3 | 3 |
| 16:00 - 17:00 | 2 | 3 | 2 | 2 |
| 17:00 - 18:00 | 2 | 4 | 2 | 0 |
| 18:00 - 19:00 | 1 | 4 | 4 | 3 |
| 19:00 - 20:00 | 2 | 0 | 3 | 3 |
| 20:00 - 21:00 | 2 | 1 | 2 | 3 |
| 21:00 - 22:00 | 0 | 1 | 2 | 2 |
| 22:00 - 23:00 | 0 | 0 | 5 | 17 |
| 23:00 - 24:00 | 0 | 0 | 1 | 2 |
| TOTAL | 13 | 35 | 48 | 57 |
| Difference | 22 | | 9 | |
| % Error | 63% | | 16% | |

## PEDESTRIAN COUNTS
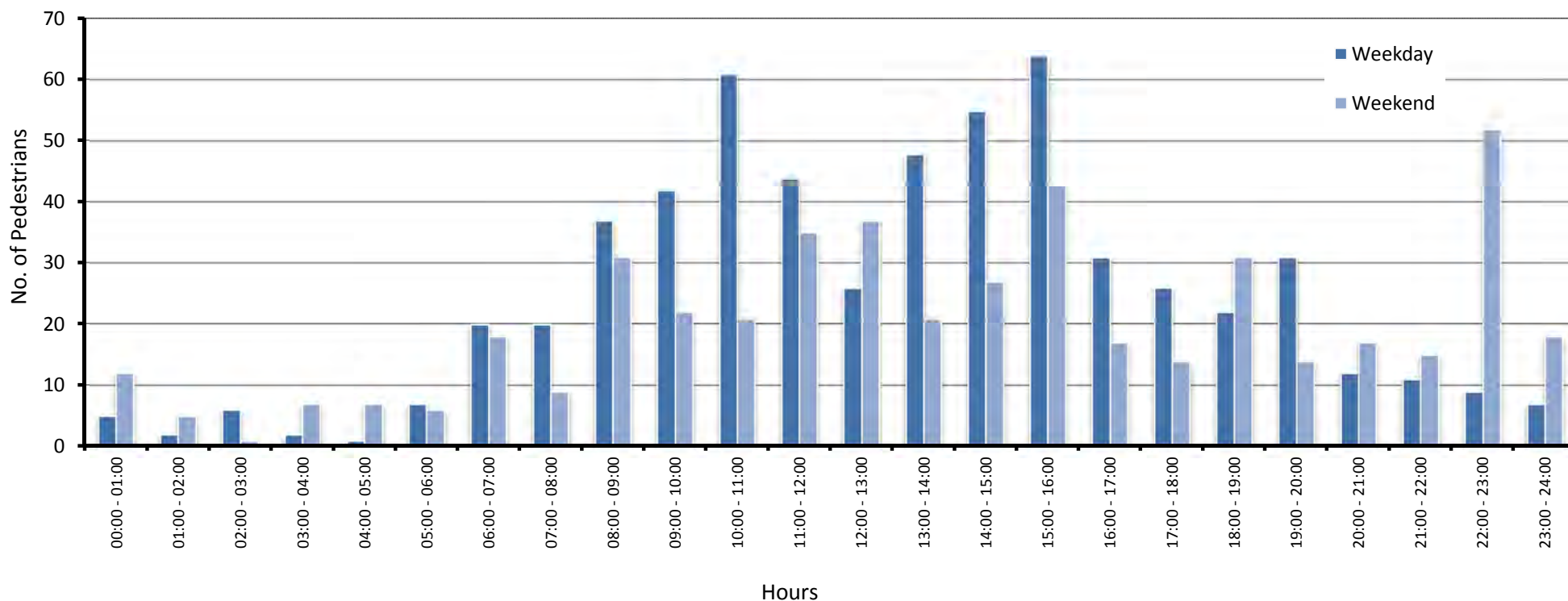
## PEDESTRIAN DATA

| TIME | Weekday (04/17/2013) | | Weekend (04/20/2013) | |
|---|---|---|---|---|
| | *SOUTH* | *NORTH* | *SOUTH* | *NORTH* |
| | Video Camera | Video Camera | Video Camera | Video Camera |
| 00:00 - 01:00 | 1 | 4 | 5 | 7 |
| 01:00 - 02:00 | 1 | 1 | 1 | 4 |
| 02:00 - 03:00 | 3 | 3 | 1 | 0 |
| 03:00 - 04:00 | 1 | 1 | 5 | 2 |
| 04:00 - 05:00 | 0 | 1 | 6 | 1 |
| 05:00 - 06:00 | 2 | 5 | 3 | 3 |
| 06:00 - 07:00 | 7 | 13 | 4 | 14 |
| 07:00 - 08:00 | 5 | 15 | 3 | 6 |
| 08:00 - 09:00 | 18 | 19 | 10 | 21 |
| 09:00 - 10:00 | 20 | 22 | 15 | 7 |
| 10:00 - 11:00 | 29 | 32 | 3 | 18 |
| 11:00 - 12:00 | 23 | 21 | 16 | 19 |
| 12:00 - 13:00 | 14 | 12 | 6 | 31 |
| 13:00 - 14:00 | 25 | 23 | 6 | 15 |
| 14:00 - 15:00 | 21 | 34 | 6 | 21 |
| 15:00 - 16:00 | 17 | 47 | 11 | 32 |
| 16:00 - 17:00 | 13 | 18 | 5 | 12 |
| 17:00 - 18:00 | 9 | 17 | 3 | 11 |
| 18:00 - 19:00 | 2 | 20 | 8 | 23 |
| 19:00 - 20:00 | 4 | 27 | 7 | 7 |
| 20:00 - 21:00 | 3 | 9 | 7 | 10 |
| 21:00 - 22:00 | 1 | 10 | 1 | 14 |
| 22:00 - 23:00 | 1 | 8 | 10 | 42 |
| 23:00 - 24:00 | 2 | 5 | 1 | 17 |
| **TOTAL** | **222** | **367** | **143** | **337** |

## ERROR RATE CALCULATION FOR PEDESTRIAN

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 00:00 - 01:00 | 6 | 5 | 6 | 7 |
| 01:00 - 02:00 | 1 | 1 | 2 | 4 |
| 02:00 - 03:00 | 1 | 1 | 1 | 0 |
| 03:00 - 04:00 | 3 | 5 | 2 | 2 |
| 04:00 - 05:00 | 5 | 6 | 1 | 1 |
| 05:00 - 06:00 | 3 | 3 | 3 | 3 |
| 06:00 - 07:00 | 2 | 4 | 13 | 14 |
| 07:00 - 08:00 | 3 | 3 | 6 | 6 |
| 08:00 - 09:00 | 9 | 10 | 17 | 21 |
| 09:00 - 10:00 | 11 | 15 | 10 | 7 |
| 10:00 - 11:00 | 3 | 3 | 15 | 18 |
| 11:00 - 12:00 | 11 | 16 | 14 | 19 |
| 12:00 - 13:00 | 5 | 6 | 24 | 31 |
| 13:00 - 14:00 | 6 | 6 | 12 | 15 |
| 14:00 - 15:00 | 5 | 6 | 19 | 21 |
| 15:00 - 16:00 | 18 | 11 | 25 | 32 |
| 16:00 - 17:00 | 4 | 5 | 10 | 12 |
| 17:00 - 18:00 | 2 | 3 | 12 | 11 |
| 18:00 - 19:00 | 11 | 8 | 73 | 23 |
| 19:00 - 20:00 | 3 | 7 | 6 | 7 |
| 20:00 - 21:00 | 6 | 7 | 7 | 10 |
| 21:00 - 22:00 | 2 | 1 | 10 | 14 |
| 22:00 - 23:00 | 8 | 10 | 27 | 42 |
| 23:00 - 24:00 | 1 | 1 | 12 | 17 |
| TOTAL | 129 | 143 | 327 | 337 |
| Difference | -14 | | -10 | |
| % Error | -10% | | -3% | |

# Clayton St. south of W. Lone Mountain Rd.

Lone Mountain Rd.

Clayton St.

Bike Tubes

Ped Counters

Video Camera

## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 30
- Total Weekend Bike Count: 35
- Total Bike Traffic for the Period Analyzed: 65

### Distribution by Direction



Weekday

Southbound 47%
Northbound 53%

Weekend

Northbound 31%
Southbound 69%
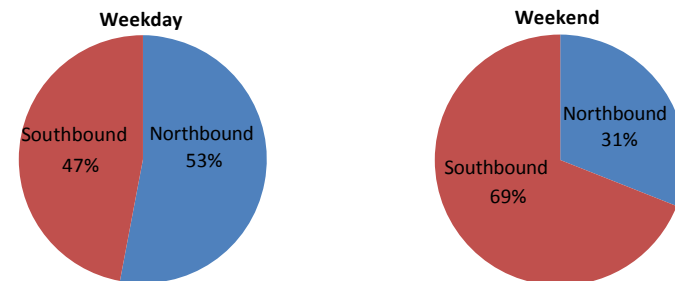
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 94
- Total Weekend Pedestrian Count: 93
- Total Pedestrian Traffic for the Period Analyzed: 187

### Distribution by Sidewalk Side



Weekday

WEST 65%
EAST 35%

Weekend

WEST 54%
EAST 46%

## BIKE COUNTS

**BIKE DATA**

| TIME | Weekday (10/10/2013) | | Weekend (10/12/2013) | |
|---|---|---|---|---|
| | Northbound | Southbound | Northbound | Southbound |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 1 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 1 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 2 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 1 |
| 04:30 - 04:45 | 0 | 0 | 0 | 1 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 1 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 1 | 1 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 1 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 |
| 07:00 - 07:15 | 1 | 0 | 1 | 0 |
| 07:15 - 07:30 | 1 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 1 | 0 | 0 |

| TIME | Weekday (10/10/2013) | | Weekend (10/12/2013) | |
|---|---|---|---|---|
| | Northbound | Southbound | Northbound | Southbound |
| 08:00 - 08:15 | 0 | 0 | 0 | 0 |
| 08:15 - 08:30 | 0 | 0 | 0 | 1 |
| 08:30 - 08:45 | 0 | 0 | 0 | 3 |
| 08:45 - 09:00 | 0 | 0 | 0 | 0 |
| 09:00 - 09:15 | 0 | 1 | 0 | 0 |
| 09:15 - 09:30 | 0 | 0 | 0 | 0 |
| 09:30 - 09:45 | 0 | 0 | 0 | 2 |
| 09:45 - 10:00 | 0 | 1 | 0 | 0 |
| 10:00 - 10:15 | 0 | 0 | 1 | 0 |
| 10:15 - 10:30 | 0 | 0 | 0 | 0 |
| 10:30 - 10:45 | 1 | 1 | 0 | 1 |
| 10:45 - 11:00 | 0 | 0 | 0 | 0 |
| 11:00 - 11:15 | 0 | 1 | 0 | 0 |
| 11:15 - 11:30 | 0 | 1 | 0 | 0 |
| 11:30 - 11:45 | 0 | 0 | 0 | 0 |
| 11:45 - 12:00 | 0 | 0 | 0 | 0 |
| 12:00 - 12:15 | 0 | 0 | 0 | 1 |
| 12:15 - 12:30 | 0 | 0 | 0 | 0 |
| 12:30 - 12:45 | 0 | 0 | 0 | 1 |
| 12:45 - 13:00 | 1 | 1 | 0 | 0 |
| 13:00 - 13:15 | 0 | 0 | 0 | 0 |
| 13:15 - 13:30 | 0 | 0 | 1 | 1 |
| 13:30 - 13:45 | 0 | 0 | 0 | 0 |
| 13:45 - 14:00 | 0 | 0 | 0 | 0 |
| 14:00 - 14:15 | 0 | 0 | 0 | 0 |
| 14:15 - 14:30 | 1 | 0 | 0 | 0 |
| 14:30 - 14:45 | 0 | 0 | 0 | 1 |
| 14:45 - 15:00 | 0 | 0 | 0 | 0 |
| 15:00 - 15:15 | 0 | 0 | 0 | 0 |
| 15:15 - 15:30 | 0 | 1 | 0 | 0 |
| 15:30 - 15:45 | 0 | 0 | 2 | 0 |
| 15:45 - 16:00 | 0 | 0 | 1 | 0 |

| TIME | Weekday (10/10/2013) | | Weekend (10/12/2013) | |
|---|---|---|---|---|
| | Northbound | Southbound | Northbound | Southbound |
| 16:00 - 16:15 | 2 | 0 | 1 | 0 |
| 16:15 - 16:30 | 0 | 0 | 0 | 0 |
| 16:30 - 16:45 | 0 | 0 | 1 | 1 |
| 16:45 - 17:00 | 0 | 0 | 0 | 0 |
| 17:00 - 17:15 | 0 | 0 | 0 | 1 |
| 17:15 - 17:30 | 0 | 0 | 1 | 0 |
| 17:30 - 17:45 | 0 | 0 | 0 | 0 |
| 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 18:00 - 18:15 | 0 | 0 | 0 | 1 |
| 18:15 - 18:30 | 0 | 0 | 0 | 1 |
| 18:30 - 18:45 | 1 | 0 | 0 | 0 |
| 18:45 - 19:00 | 0 | 0 | 0 | 0 |
| 19:00 - 19:15 | 0 | 1 | 0 | 1 |
| 19:15 - 19:30 | 0 | 0 | 0 | 1 |
| 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 20:30 - 20:45 | 0 | 2 | 0 | 1 |
| 20:45 - 21:00 | 5 | 0 | 0 | 0 |
| 21:00 - 21:15 | 1 | 1 | 0 | 0 |
| 21:15 - 21:30 | 1 | 0 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 22:45 - 23:00 | 0 | 0 | 0 | 1 |
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| **TOTAL** | **16** | **14** | **11** | **24** |

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 0 | 0 | 0 | 0 | 16:00 - 16:15 | 1 | 2 | 0 | 1 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 0 | 0 | 0 | 0 | 16:15 - 16:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 | 08:30 - 08:45 | 0 | 0 | 0 | 0 | 16:30 - 16:45 | 0 | 0 | 0 | 1 |
| 00:45 - 01:00 | 0 | 0 | 0 | 1 | 08:45 - 09:00 | 0 | 0 | 0 | 0 | 16:45 - 17:00 | 0 | 0 | 2 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 0 | 17:00 - 17:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 0 | 0 | 0 | 17:15 - 17:30 | 0 | 0 | 1 | 1 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 0 | 0 | 0 | 0 | 17:30 - 17:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 1 | 0 | 09:45 - 10:00 | 0 | 0 | 1 | 0 | 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 0 | 0 | 1 | 1 | 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 | 10:15 - 10:30 | 0 | 0 | 0 | 0 | 18:15 - 18:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 0 | 1 | 0 | 0 | 18:30 - 18:45 | 1 | 1 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 0 | 0 | 0 | 0 | 18:45 - 19:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 0 | 0 | 0 | 0 | 19:00 - 19:15 | 0 | 0 | 1 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 | 11:15 - 11:30 | 0 | 0 | 0 | 0 | 19:15 - 19:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 0 | 0 | 0 | 0 | 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 0 | 0 | 0 | 0 | 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 0 | 0 | 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 0 | 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 | 12:30 - 12:45 | 0 | 0 | 0 | 0 | 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 0 | 1 | 0 | 0 | 20:45 - 21:00 | 1 | 5 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 0 | 0 | 0 | 0 | 21:00 - 21:15 | 1 | 1 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 0 | 1 | 21:15 - 21:30 | 1 | 1 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 | 13:30 - 13:45 | 0 | 0 | 0 | 0 | 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 1 | 13:45 - 14:00 | 0 | 0 | 0 | 0 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 | 14:00 - 14:15 | 0 | 0 | 0 | 0 | 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 1 | 1 | 0 | 0 | 14:15 - 14:30 | 1 | 1 | 0 | 0 | 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 | 14:30 - 14:45 | 0 | 0 | 0 | 0 | 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 0 | 0 | 0 | 0 | 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| 07:00 - 07:15 | 1 | 1 | 1 | 1 | 15:00 - 15:15 | 0 | 0 | 0 | 0 | 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 1 | 1 | 0 | 0 | 15:15 - 15:30 | 0 | 0 | 0 | 0 | 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 1 | 0 | 15:30 - 15:45 | 1 | 0 | 3 | 2 | 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 0 | 1 | 0 | 15:45 - 16:00 | 0 | 0 | 1 | 1 | 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | TOTAL | 10 | 16 | 14 | 11 |
| | | | | | | | | | | Difference | -6 | | 3 | |
| | | | | | | | | | | % Error | -38% | | 27% | |

**PEDESTRIAN COUNTS**

## PEDESTRIAN DATA

| TIME | Weekday (10/10/2013) EAST | Weekday (10/10/2013) WEST | Weekend (10/12/2013) EAST | Weekend (10/12/2013) WEST |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 1 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 1 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 1 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 1 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 1 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 2 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 1 | 1 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 1 |
| 05:30 - 05:45 | 0 | 1 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 1 | 0 | 0 |
| 06:30 - 06:45 | 0 | 1 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 1 | 1 |
| 07:30 - 07:45 | 0 | 0 | 1 | 1 |
| 07:45 - 08:00 | 0 | 1 | 1 | 3 |

| TIME | Weekday (10/10/2013) EAST | Weekday (10/10/2013) WEST | Weekend (10/12/2013) EAST | Weekend (10/12/2013) WEST |
|---|---|---|---|---|
| 08:00 - 08:15 | 0 | 0 | 0 | 4 |
| 08:15 - 08:30 | 0 | 1 | 2 | 1 |
| 08:30 - 08:45 | 0 | 3 | 3 | 0 |
| 08:45 - 09:00 | 0 | 0 | 0 | 1 |
| 09:00 - 09:15 | 0 | 2 | 0 | 0 |
| 09:15 - 09:30 | 0 | 1 | 1 | 1 |
| 09:30 - 09:45 | 0 | 0 | 0 | 1 |
| 09:45 - 10:00 | 0 | 2 | 1 | 1 |
| 10:00 - 10:15 | 0 | 0 | 0 | 1 |
| 10:15 - 10:30 | 2 | 2 | 1 | 0 |
| 10:30 - 10:45 | 1 | 0 | 0 | 1 |
| 10:45 - 11:00 | 2 | 1 | 0 | 0 |
| 11:00 - 11:15 | 0 | 1 | 0 | 0 |
| 11:15 - 11:30 | 1 | 2 | 0 | 1 |
| 11:30 - 11:45 | 0 | 1 | 1 | 1 |
| 11:45 - 12:00 | 0 | 1 | 0 | 0 |
| 12:00 - 12:15 | 0 | 2 | 0 | 1 |
| 12:15 - 12:30 | 0 | 0 | 0 | 0 |
| 12:30 - 12:45 | 0 | 0 | 0 | 0 |
| 12:45 - 13:00 | 0 | 0 | 0 | 0 |
| 13:00 - 13:15 | 0 | 2 | 0 | 4 |
| 13:15 - 13:30 | 0 | 2 | 0 | 0 |
| 13:30 - 13:45 | 1 | 4 | 0 | 0 |
| 13:45 - 14:00 | 0 | 3 | 0 | 0 |
| 14:00 - 14:15 | 0 | 0 | 0 | 0 |
| 14:15 - 14:30 | 3 | 3 | 0 | 1 |
| 14:30 - 14:45 | 0 | 0 | 0 | 0 |
| 14:45 - 15:00 | 1 | 1 | 1 | 0 |
| 15:00 - 15:15 | 2 | 1 | 0 | 1 |
| 15:15 - 15:30 | 0 | 1 | 1 | 0 |
| 15:30 - 15:45 | 0 | 1 | 3 | 0 |
| 15:45 - 16:00 | 2 | 0 | 0 | 2 |

| TIME | Weekday (10/10/2013) EAST | Weekday (10/10/2013) WEST | Weekend (10/12/2013) EAST | Weekend (10/12/2013) WEST |
|---|---|---|---|---|
| 16:00 - 16:15 | 2 | 2 | 0 | 0 |
| 16:15 - 16:30 | 0 | 2 | 0 | 3 |
| 16:30 - 16:45 | 0 | 0 | 1 | 0 |
| 16:45 - 17:00 | 3 | 5 | 2 | 2 |
| 17:00 - 17:15 | 0 | 0 | 0 | 0 |
| 17:15 - 17:30 | 1 | 0 | 1 | 2 |
| 17:30 - 17:45 | 0 | 1 | 1 | 1 |
| 17:45 - 18:00 | 0 | 2 | 0 | 0 |
| 18:00 - 18:15 | 0 | 0 | 1 | 0 |
| 18:15 - 18:30 | 1 | 1 | 0 | 0 |
| 18:30 - 18:45 | 0 | 0 | 0 | 4 |
| 18:45 - 19:00 | 1 | 1 | 1 | 0 |
| 19:00 - 19:15 | 2 | 0 | 4 | 2 |
| 19:15 - 19:30 | 0 | 1 | 1 | 0 |
| 19:30 - 19:45 | 1 | 0 | 0 | 0 |
| 19:45 - 20:00 | 0 | 0 | 1 | 0 |
| 20:00 - 20:15 | 0 | 0 | 2 | 0 |
| 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 20:30 - 20:45 | 0 | 2 | 0 | 0 |
| 20:45 - 21:00 | 2 | 0 | 0 | 0 |
| 21:00 - 21:15 | 1 | 0 | 1 | 0 |
| 21:15 - 21:30 | 0 | 0 | 4 | 0 |
| 21:30 - 21:45 | 0 | 0 | 1 | 1 |
| 21:45 - 22:00 | 1 | 0 | 0 | 0 |
| 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 22:15 - 22:30 | 0 | 1 | 0 | 0 |
| 22:30 - 22:45 | 1 | 0 | 1 | 0 |
| 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 1 | 0 | 4 |
| 23:30 - 23:45 | 1 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| **TOTAL** | **33** | **61** | **43** | **50** |

## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera | TIME | Ped Counter | Video Camera | Ped Counter | Video Camera | TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | | 0 | | 0 | 08:00 - 08:15 | | 0 | | 0 | 16:00 - 16:15 | | 2 | | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 0 | 0 | 3 | 2 | 16:15 - 16:30 | 1 | 0 | 1 | 0 |
| 00:30 - 00:45 | | 0 | | 0 | 08:30 - 08:45 | | 0 | | 3 | 16:30 - 16:45 | | 0 | | 1 |
| 00:45 - 01:00 | | 0 | | 0 | 08:45 - 09:00 | | 0 | | 0 | 16:45 - 17:00 | | 3 | | 2 |
| 01:00 - 01:15 | | 0 | | 0 | 09:00 - 09:15 | | 0 | | 0 | 17:00 - 17:15 | | 0 | | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 0 | 1 | 1 | 17:15 - 17:30 | 0 | 1 | 0 | 1 |
| 01:30 - 01:45 | | 0 | | 0 | 09:30 - 09:45 | | 0 | | 0 | 17:30 - 17:45 | | 0 | | 1 |
| 01:45 - 02:00 | | 0 | | 0 | 09:45 - 10:00 | | 0 | | 1 | 17:45 - 18:00 | | 0 | | 0 |
| 02:00 - 02:15 | | 1 | | 0 | 10:00 - 10:15 | | 0 | | 0 | 18:00 - 18:15 | | 0 | | 1 |
| 02:15 - 02:30 | 0 | 0 | 0 | 1 | 10:15 - 10:30 | 2 | 2 | 0 | 1 | 18:15 - 18:30 | 2 | 1 | 0 | 0 |
| 02:30 - 02:45 | | 0 | | 0 | 10:30 - 10:45 | | 1 | | 0 | 18:30 - 18:45 | | 0 | | 0 |
| 02:45 - 03:00 | | 0 | | 0 | 10:45 - 11:00 | | 2 | | 0 | 18:45 - 19:00 | | 1 | | 1 |
| 03:00 - 03:15 | | 0 | | 0 | 11:00 - 11:15 | | 0 | | 0 | 19:00 - 19:15 | | 2 | | 4 |
| 03:15 - 03:30 | 1 | 0 | 0 | 2 | 11:15 - 11:30 | 1 | 1 | 1 | 0 | 19:15 - 19:30 | 0 | 0 | 2 | 1 |
| 03:30 - 03:45 | | 0 | | 0 | 11:30 - 11:45 | | 0 | | 1 | 19:30 - 19:45 | | 1 | | 0 |
| 03:45 - 04:00 | | 0 | | 0 | 11:45 - 12:00 | | 0 | | 0 | 19:45 - 20:00 | | 0 | | 1 |
| 04:00 - 04:15 | | 0 | | 0 | 12:00 - 12:15 | | 0 | | 0 | 20:00 - 20:15 | | 0 | | 2 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 0 | 20:15 - 20:30 | 1 | 0 | 0 | 0 |
| 04:30 - 04:45 | | 0 | | 0 | 12:30 - 12:45 | | 0 | | 0 | 20:30 - 20:45 | | 0 | | 0 |
| 04:45 - 05:00 | | 0 | | 1 | 12:45 - 13:00 | | 0 | | 0 | 20:45 - 21:00 | | 2 | | 0 |
| 05:00 - 05:15 | | 0 | | 0 | 13:00 - 13:15 | | 0 | | 0 | 21:00 - 21:15 | | 1 | | 1 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 1 | 0 | 21:15 - 21:30 | 0 | 0 | 1 | 4 |
| 05:30 - 05:45 | | 0 | | 0 | 13:30 - 13:45 | | 1 | | 0 | 21:30 - 21:45 | | 0 | | 1 |
| 05:45 - 06:00 | | 0 | | 0 | 13:45 - 14:00 | | 0 | | 0 | 21:45 - 22:00 | | 1 | | 0 |
| 06:00 - 06:15 | | 0 | | 0 | 14:00 - 14:15 | | 0 | | 0 | 22:00 - 22:15 | | 0 | | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 0 | 3 | 1 | 0 | 22:15 - 22:30 | 0 | 0 | 1 | 0 |
| 06:30 - 06:45 | | 0 | | 0 | 14:30 - 14:45 | | 0 | | 0 | 22:30 - 22:45 | | 1 | | 1 |
| 06:45 - 07:00 | | 0 | | 0 | 14:45 - 15:00 | | 1 | | 1 | 22:45 - 23:00 | | 0 | | 0 |
| 07:00 - 07:15 | | 0 | | 0 | 15:00 - 15:15 | | 2 | | 0 | 23:00 - 23:15 | | 0 | | 0 |
| 07:15 - 07:30 | 0 | 0 | 2 | 1 | 15:15 - 15:30 | 1 | 0 | 2 | 1 | 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | | 0 | | 1 | 15:30 - 15:45 | | 0 | | 3 | 23:30 - 23:45 | | 1 | | 0 |
| 07:45 - 08:00 | | 0 | | 1 | 15:45 - 16:00 | | 2 | | 0 | 23:45 - 24:00 | | 0 | | 0 |
| | | | | | | | | | | TOTAL | 9 | 33 | 16 | 43 |
| | | | | | | | | | | Difference | | -24 | | -27 |
| | | | | | | | | | | % Error | | -73% | | -63% |

# Eastern Ave. north of Horizon Ridge Pkwy.

## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 16
- Total Weekend Bike Count: 24
- Total Bike Traffic for the Period Analyzed: 40

### Distribution by Direction

**Weekday**



Southbound 18%
Northbound 82%

**Weekend**



Southbound 21%
Northbound 79%
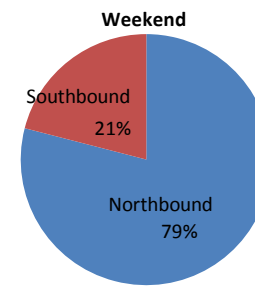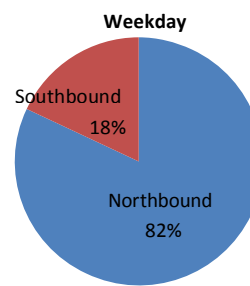
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 270
- Total Weekend Pedestrian Count: 203
- Total Pedestrian Traffic for the Period Analyzed: 473

### Distribution by Sidewalk Side

**Weekday**



18% WEST
EAST 82%

**Weekend**



26% WEST
EAST 74%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (04/04/2014) Northbound | Weekday (04/04/2014) Southbound | Weekend (04/05/2014) Northbound | Weekend (04/05/2014) Southbound |
|---|---|---|---|---|
| 23:59 - 00:14 | 0 | 0 | 0 | 0 |
| 00:14 - 00:29 | 0 | 0 | 0 | 0 |
| 00:29 - 00:44 | 0 | 0 | 0 | 0 |
| 00:44 - 00:59 | 0 | 0 | 0 | 0 |
| 00:59 - 01:14 | 0 | 0 | 0 | 0 |
| 01:14 - 01:29 | 0 | 0 | 0 | 0 |
| 01:29 - 01:44 | 0 | 0 | 0 | 0 |
| 01:44 - 01:59 | 0 | 0 | 0 | 0 |
| 01:59 - 02:14 | 0 | 0 | 0 | 0 |
| 02:14 - 02:29 | 0 | 0 | 0 | 0 |
| 02:29 - 02:44 | 1 | 0 | 0 | 0 |
| 02:44 - 02:59 | 0 | 0 | 0 | 0 |
| 02:59 - 03:14 | 0 | 0 | 0 | 0 |
| 03:14 - 03:29 | 0 | 0 | 0 | 0 |
| 03:29 - 03:44 | 1 | 0 | 0 | 0 |
| 03:44 - 03:59 | 0 | 0 | 0 | 0 |
| 03:59 - 04:14 | 0 | 0 | 0 | 0 |
| 04:14 - 04:29 | 1 | 0 | 0 | 0 |
| 04:29 - 04:44 | 0 | 0 | 0 | 0 |
| 04:44 - 04:59 | 1 | 0 | 0 | 0 |
| 04:59 - 05:14 | 0 | 0 | 0 | 0 |
| 05:14 - 05:29 | 1 | 0 | 0 | 0 |
| 05:29 - 05:44 | 0 | 0 | 0 | 0 |
| 05:44 - 05:59 | 1 | 0 | 0 | 0 |
| 05:59 - 06:14 | 0 | 0 | 1 | 0 |
| 06:14 - 06:29 | 0 | 0 | 0 | 0 |
| 06:29 - 06:44 | 0 | 0 | 0 | 0 |
| 06:44 - 06:59 | 1 | 0 | 0 | 0 |
| 06:59 - 07:14 | 0 | 0 | 0 | 0 |
| 07:14 - 07:29 | 0 | 0 | 0 | 0 |
| 07:29 - 07:44 | 1 | 0 | 0 | 0 |
| 07:44 - 07:59 | 0 | 0 | 1 | 2 |
| 07:59 - 08:14 | 0 | 0 | 0 | 1 |
| 08:14 - 08:29 | 0 | 0 | 0 | 0 |
| 08:29 - 08:44 | 0 | 0 | 0 | 0 |
| 08:44 - 08:59 | 0 | 0 | 0 | 0 |
| 08:59 - 09:14 | 0 | 0 | 1 | 0 |
| 09:14 - 09:29 | 0 | 0 | 0 | 0 |
| 09:29 - 09:44 | 0 | 0 | 0 | 0 |
| 09:44 - 09:59 | 0 | 0 | 0 | 0 |
| 09:59 - 10:14 | 0 | 0 | 0 | 0 |
| 10:14 - 10:29 | 0 | 0 | 1 | 0 |
| 10:29 - 10:44 | 0 | 0 | 0 | 0 |
| 10:44 - 10:59 | 0 | 0 | 0 | 0 |
| 10:59 - 11:14 | 0 | 0 | 0 | 0 |
| 11:14 - 11:29 | 0 | 0 | 0 | 0 |
| 11:29 - 11:44 | 0 | 0 | 0 | 0 |
| 11:44 - 11:59 | 0 | 0 | 0 | 0 |
| 11:59 - 12:14 | 0 | 0 | 0 | 0 |
| 12:14 - 12:29 | 0 | 0 | 0 | 1 |
| 12:29 - 12:44 | 0 | 0 | 2 | 0 |
| 12:44 - 12:59 | 0 | 0 | 0 | 0 |
| 12:59 - 13:14 | 0 | 0 | 1 | 0 |
| 13:14 - 13:29 | 0 | 0 | 0 | 0 |
| 13:29 - 13:44 | 0 | 0 | 2 | 0 |
| 13:44 - 13:59 | 0 | 0 | 0 | 1 |
| 13:59 - 14:14 | 0 | 0 | 0 | 0 |
| 14:14 - 14:29 | 0 | 0 | 0 | 0 |
| 14:29 - 14:44 | 0 | 0 | 0 | 0 |
| 14:44 - 14:59 | 0 | 0 | 0 | 0 |
| 14:59 - 15:14 | 0 | 0 | 0 | 0 |
| 15:14 - 15:29 | 0 | 1 | 0 | 0 |
| 15:29 - 15:44 | 0 | 0 | 0 | 0 |
| 15:44 - 15:59 | 0 | 1 | 0 | 0 |
| 15:59 - 16:14 | 0 | 0 | 1 | 0 |
| 16:14 - 16:29 | 0 | 0 | 2 | 0 |
| 16:29 - 16:44 | 0 | 0 | 2 | 0 |
| 16:44 - 16:59 | 0 | 1 | 0 | 0 |
| 16:59 - 17:14 | 0 | 0 | 0 | 0 |
| 17:14 - 17:29 | 1 | 0 | 0 | 0 |
| 17:29 - 17:44 | 1 | 0 | 0 | 0 |
| 17:44 - 17:59 | 0 | 0 | 4 | 0 |
| 17:59 - 18:14 | 0 | 0 | 0 | 0 |
| 18:14 - 18:29 | 1 | 0 | 0 | 0 |
| 18:29 - 18:44 | 0 | 1 | 0 | 0 |
| 18:44 - 18:59 | 0 | 0 | 0 | 0 |
| 18:59 - 19:14 | 1 | 0 | 0 | 1 |
| 19:14 - 19:29 | 0 | 0 | 0 | 0 |
| 19:29 - 19:44 | 0 | 0 | 0 | 0 |
| 19:44 - 19:59 | 1 | 0 | 0 | 0 |
| 19:59 - 20:14 | 0 | 0 | 0 | 0 |
| 20:14 - 20:29 | 1 | 0 | 0 | 0 |
| 20:29 - 20:44 | 0 | 0 | 0 | 0 |
| 20:44 - 20:59 | 0 | 0 | 0 | 0 |
| 20:59 - 21:14 | 0 | 0 | 0 | 0 |
| 21:14 - 21:29 | 1 | 0 | 0 | 0 |
| 21:29 - 21:44 | 0 | 0 | 0 | 0 |
| 21:44 - 21:59 | 1 | 0 | 0 | 0 |
| 21:59 - 22:14 | 0 | 0 | 0 | 0 |
| 22:14 - 22:29 | 0 | 0 | 0 | 0 |
| 22:29 - 22:44 | 1 | 0 | 0 | 0 |
| 22:44 - 22:59 | 1 | 0 | 0 | 0 |
| 22:59 - 23:14 | 0 | 0 | 1 | 0 |
| 23:14 - 23:29 | 0 | 0 | 0 | 0 |
| 23:29 - 23:44 | 0 | 0 | 0 | 0 |
| 23:44 - 23:59 | 0 | 0 | 0 | 0 |
| **TOTAL** | **13** | **3** | **19** | **5** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 23:59 - 00:14 | 0 | 0 | 0 | 0 |
| 00:14 - 00:29 | 0 | 0 | 0 | 0 |
| 00:29 - 00:44 | 0 | 0 | 0 | 0 |
| 00:44 - 00:59 | 0 | 0 | 0 | 0 |
| 00:59 - 01:14 | 0 | 0 | 0 | 0 |
| 01:14 - 01:29 | 0 | 0 | 0 | 0 |
| 01:29 - 01:44 | 0 | 0 | 0 | 0 |
| 01:44 - 01:59 | 0 | 0 | 0 | 0 |
| 01:59 - 02:14 | 0 | 0 | 0 | 0 |
| 02:14 - 02:29 | 0 | 0 | 0 | 0 |
| 02:29 - 02:44 | 0 | 0 | 0 | 0 |
| 02:44 - 02:59 | 0 | 0 | 0 | 0 |
| 02:59 - 03:14 | 0 | 0 | 0 | 0 |
| 03:14 - 03:29 | 0 | 0 | 0 | 0 |
| 03:29 - 03:44 | 0 | 0 | 0 | 0 |
| 03:44 - 03:59 | 0 | 0 | 0 | 0 |
| 03:59 - 04:14 | 0 | 0 | 0 | 0 |
| 04:14 - 04:29 | 0 | 0 | 0 | 0 |
| 04:29 - 04:44 | 0 | 0 | 0 | 0 |
| 04:44 - 04:59 | 0 | 0 | 0 | 0 |
| 04:59 - 05:14 | 0 | 0 | 0 | 0 |
| 05:14 - 05:29 | 0 | 0 | 0 | 0 |
| 05:29 - 05:44 | 0 | 0 | 0 | 0 |
| 05:44 - 05:59 | 0 | 0 | 0 | 0 |
| 05:59 - 06:14 | 0 | 1 | 0 | 0 |
| 06:14 - 06:29 | 0 | 0 | 0 | 0 |
| 06:29 - 06:44 | 0 | 0 | 0 | 0 |
| 06:44 - 06:59 | 0 | 0 | 0 | 0 |
| 06:59 - 07:14 | 0 | 0 | 1 | 0 |
| 07:14 - 07:29 | 0 | 0 | 1 | 0 |
| 07:29 - 07:44 | 1 | 0 | 0 | 0 |
| 07:44 - 07:59 | 0 | 1 | 0 | 2 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 07:59 - 08:14 | 1 | 0 | 1 | 1 |
| 08:14 - 08:29 | 0 | 0 | 0 | 0 |
| 08:29 - 08:44 | 2 | 0 | 0 | 0 |
| 08:44 - 08:59 | 0 | 0 | 0 | 0 |
| 08:59 - 09:14 | 0 | 1 | 0 | 0 |
| 09:14 - 09:29 | 0 | 0 | 1 | 0 |
| 09:29 - 09:44 | 0 | 0 | 0 | 0 |
| 09:44 - 09:59 | 0 | 0 | 0 | 0 |
| 09:59 - 10:14 | 0 | 0 | 0 | 0 |
| 10:14 - 10:29 | 0 | 1 | 0 | 0 |
| 10:29 - 10:44 | 1 | 0 | 0 | 0 |
| 10:44 - 10:59 | 0 | 0 | 0 | 0 |
| 10:59 - 11:14 | 0 | 0 | 1 | 0 |
| 11:14 - 11:29 | 1 | 0 | 0 | 0 |
| 11:29 - 11:44 | 0 | 0 | 0 | 0 |
| 11:44 - 11:59 | 0 | 0 | 0 | 0 |
| 11:59 - 12:14 | 0 | 0 | 0 | 0 |
| 12:14 - 12:29 | 0 | 0 | 0 | 0 |
| 12:29 - 12:44 | 2 | 2 | 0 | 0 |
| 12:44 - 12:59 | 0 | 0 | 0 | 0 |
| 12:59 - 13:14 | 1 | 1 | 0 | 0 |
| 13:14 - 13:29 | 0 | 0 | 0 | 0 |
| 13:29 - 13:44 | 0 | 2 | 0 | 0 |
| 13:44 - 13:59 | 1 | 0 | 0 | 1 |
| 13:59 - 14:14 | 0 | 0 | 0 | 0 |
| 14:14 - 14:29 | 0 | 0 | 0 | 0 |
| 14:29 - 14:44 | 1 | 0 | 1 | 0 |
| 14:44 - 14:59 | 1 | 0 | 0 | 0 |
| 14:59 - 15:14 | 1 | 0 | 0 | 0 |
| 15:14 - 15:29 | 0 | 0 | 0 | 0 |
| 15:29 - 15:44 | 0 | 0 | 0 | 0 |
| 15:44 - 15:59 | 1 | 0 | 0 | 0 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 15:59 - 16:14 | 1 | 1 | 0 | 0 |
| 16:14 - 16:29 | 2 | 2 | 0 | 0 |
| 16:29 - 16:44 | 0 | 2 | 0 | 0 |
| 16:44 - 16:59 | 1 | 0 | 0 | 0 |
| 16:59 - 17:14 | 1 | 0 | 0 | 0 |
| 17:14 - 17:29 | 0 | 0 | 1 | 0 |
| 17:29 - 17:44 | 0 | 0 | 0 | 0 |
| 17:44 - 17:59 | 1 | 4 | 0 | 0 |
| 17:59 - 18:14 | 0 | 0 | 0 | 0 |
| 18:14 - 18:29 | 0 | 0 | 0 | 0 |
| 18:29 - 18:44 | 0 | 0 | 1 | 0 |
| 18:44 - 18:59 | 0 | 0 | 1 | 0 |
| 18:59 - 19:14 | 0 | 0 | 0 | 1 |
| 19:14 - 19:29 | 0 | 0 | 1 | 0 |
| 19:29 - 19:44 | 0 | 0 | 0 | 0 |
| 19:44 - 19:59 | 1 | 0 | 0 | 0 |
| 19:59 - 20:14 | 0 | 0 | 0 | 0 |
| 20:14 - 20:29 | 1 | 0 | 0 | 0 |
| 20:29 - 20:44 | 0 | 0 | 0 | 0 |
| 20:44 - 20:59 | 0 | 0 | 0 | 0 |
| 20:59 - 21:14 | 0 | 0 | 0 | 0 |
| 21:14 - 21:29 | 0 | 0 | 0 | 0 |
| 21:29 - 21:44 | 0 | 0 | 0 | 0 |
| 21:44 - 21:59 | 2 | 0 | 0 | 0 |
| 21:59 - 22:14 | 0 | 0 | 0 | 0 |
| 22:14 - 22:29 | 0 | 0 | 0 | 0 |
| 22:29 - 22:44 | 0 | 0 | 0 | 0 |
| 22:44 - 22:59 | 1 | 0 | 0 | 0 |
| 22:59 - 23:14 | 0 | 1 | 0 | 0 |
| 23:14 - 23:29 | 1 | 0 | 0 | 0 |
| 23:29 - 23:44 | 0 | 0 | 0 | 0 |
| 23:44 - 23:59 | 0 | 0 | 0 | 0 |
| TOTAL | 26 | 19 | 10 | 5 |
| Difference | 7 | | 5 | |
| % Error | 37% | | 100% | |

**PEDESTRIAN COUNTS**
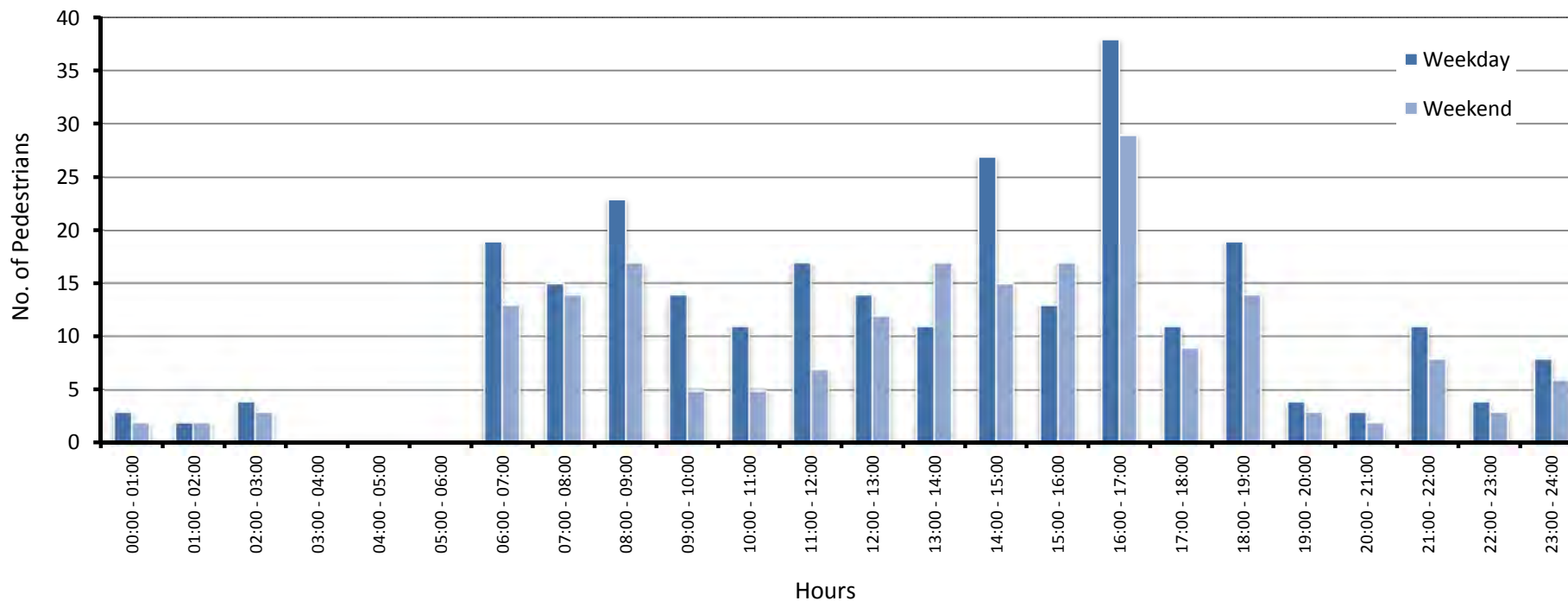
# PEDESTRIAN DATA

| TIME | Weekday (04/04/2013) EAST | Weekday WEST | Weekend (04/05/2013) EAST | Weekend WEST |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 1 | 0 | 1 | 0 |
| 00:30 - 00:45 | 1 | 0 | 1 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 2 | 0 | 2 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 1 | 0 | 1 | 0 |
| 02:15 - 02:30 | 1 | 0 | 1 | 0 |
| 02:30 - 02:45 | 1 | 0 | 1 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 4 | 0 | 3 | 0 |
| 06:30 - 06:45 | 7 | 0 | 5 | 0 |
| 06:45 - 07:00 | 6 | 1 | 4 | 1 |
| 07:00 - 07:15 | 0 | 2 | 0 | 2 |
| 07:15 - 07:30 | 9 | 1 | 6 | 1 |
| 07:30 - 07:45 | 2 | 0 | 0 | 1 |
| 07:45 - 08:00 | 1 | 0 | 4 | 0 |
| 08:00 - 08:15 | 1 | 0 | 5 | 1 |
| 08:15 - 08:30 | 4 | 2 | 1 | 0 |
| 08:30 - 08:45 | 6 | 6 | 3 | 1 |
| 08:45 - 09:00 | 4 | 0 | 6 | 0 |
| 09:00 - 09:15 | 0 | 0 | 3 | 0 |
| 09:15 - 09:30 | 3 | 0 | 0 | 0 |
| 09:30 - 09:45 | 1 | 0 | 2 | 0 |
| 09:45 - 10:00 | 10 | 0 | 0 | 0 |
| 10:00 - 10:15 | 3 | 0 | 1 | 2 |
| 10:15 - 10:30 | 2 | 0 | 1 | 1 |
| 10:30 - 10:45 | 5 | 1 | 0 | 0 |
| 10:45 - 11:00 | 0 | 0 | 0 | 0 |
| 11:00 - 11:15 | 1 | 0 | 0 | 0 |
| 11:15 - 11:30 | 0 | 1 | 6 | 0 |
| 11:30 - 11:45 | 10 | 1 | 0 | 0 |
| 11:45 - 12:00 | 2 | 2 | 1 | 0 |
| 12:00 - 12:15 | 4 | 1 | 5 | 3 |
| 12:15 - 12:30 | 3 | 1 | 0 | 0 |
| 12:30 - 12:45 | 0 | 1 | 2 | 0 |
| 12:45 - 13:00 | 4 | 0 | 0 | 2 |
| 13:00 - 13:15 | 1 | 0 | 1 | 1 |
| 13:15 - 13:30 | 5 | 0 | 6 | 0 |
| 13:30 - 13:45 | 1 | 0 | 5 | 1 |
| 13:45 - 14:00 | 2 | 2 | 0 | 3 |
| 14:00 - 14:15 | 8 | 1 | 1 | 2 |
| 14:15 - 14:30 | 3 | 1 | 6 | 0 |
| 14:30 - 14:45 | 5 | 2 | 2 | 2 |
| 14:45 - 15:00 | 7 | 0 | 1 | 1 |
| 15:00 - 15:15 | 3 | 0 | 6 | 3 |
| 15:15 - 15:30 | 3 | 0 | 2 | 0 |
| 15:30 - 15:45 | 3 | 2 | 2 | 2 |
| 15:45 - 16:00 | 1 | 1 | 1 | 1 |
| 16:00 - 16:15 | 4 | 2 | 3 | 2 |
| 16:15 - 16:30 | 7 | 2 | 5 | 2 |
| 16:30 - 16:45 | 10 | 3 | 7 | 3 |
| 16:45 - 17:00 | 7 | 2 | 5 | 2 |
| 17:00 - 17:15 | 4 | 0 | 3 | 0 |
| 17:15 - 17:30 | 0 | 1 | 0 | 1 |
| 17:30 - 17:45 | 1 | 3 | 1 | 3 |
| 17:45 - 18:00 | 1 | 0 | 1 | 0 |
| 18:00 - 18:15 | 6 | 0 | 4 | 0 |
| 18:15 - 18:30 | 3 | 0 | 2 | 0 |
| 18:30 - 18:45 | 4 | 1 | 3 | 1 |
| 18:45 - 19:00 | 3 | 2 | 2 | 2 |
| 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 19:15 - 19:30 | 1 | 0 | 1 | 0 |
| 19:30 - 19:45 | 0 | 1 | 0 | 1 |
| 19:45 - 20:00 | 1 | 0 | 1 | 0 |
| 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 20:30 - 20:45 | 1 | 0 | 1 | 0 |
| 20:45 - 21:00 | 1 | 0 | 1 | 0 |
| 21:00 - 21:15 | 4 | 0 | 3 | 0 |
| 21:15 - 21:30 | 4 | 1 | 3 | 1 |
| 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 21:45 - 22:00 | 1 | 0 | 1 | 0 |
| 22:00 - 22:15 | 1 | 1 | 1 | 1 |
| 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 22:45 - 23:00 | 1 | 0 | 1 | 0 |
| 23:00 - 23:15 | 6 | 0 | 4 | 0 |
| 23:15 - 23:30 | 0 | 1 | 0 | 1 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 1 | 0 | 1 | 0 |
| **TOTAL** | **222** | **48** | **150** | **53** |

Estimated counts using correction factor

# Eastern Ave. south of Serene Ave.

RTC

CA Group, Inc
CAVIOLA ANSON
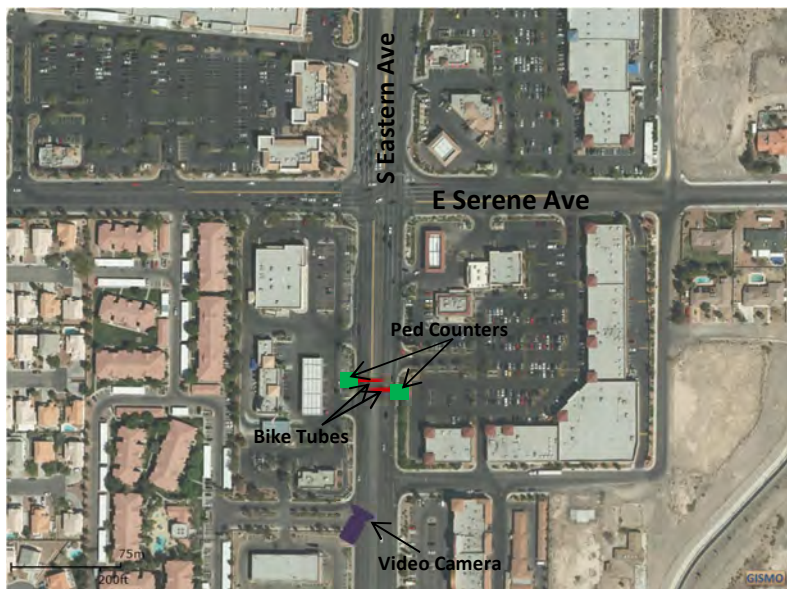


**BIKE COUNTS SUMMARY**

- Total Weekday Bike Count: 24
- Total Weekend Bike Count: 13
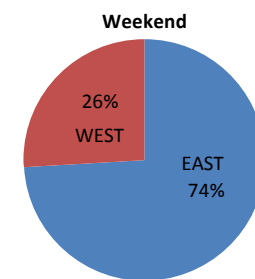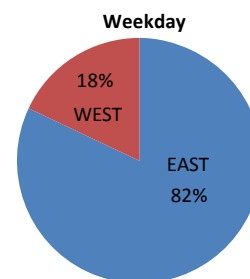- Total Bike Traffic for the Period Analyzed: 37

**Distribution by Direction**

Weekday

- Southbound 67%
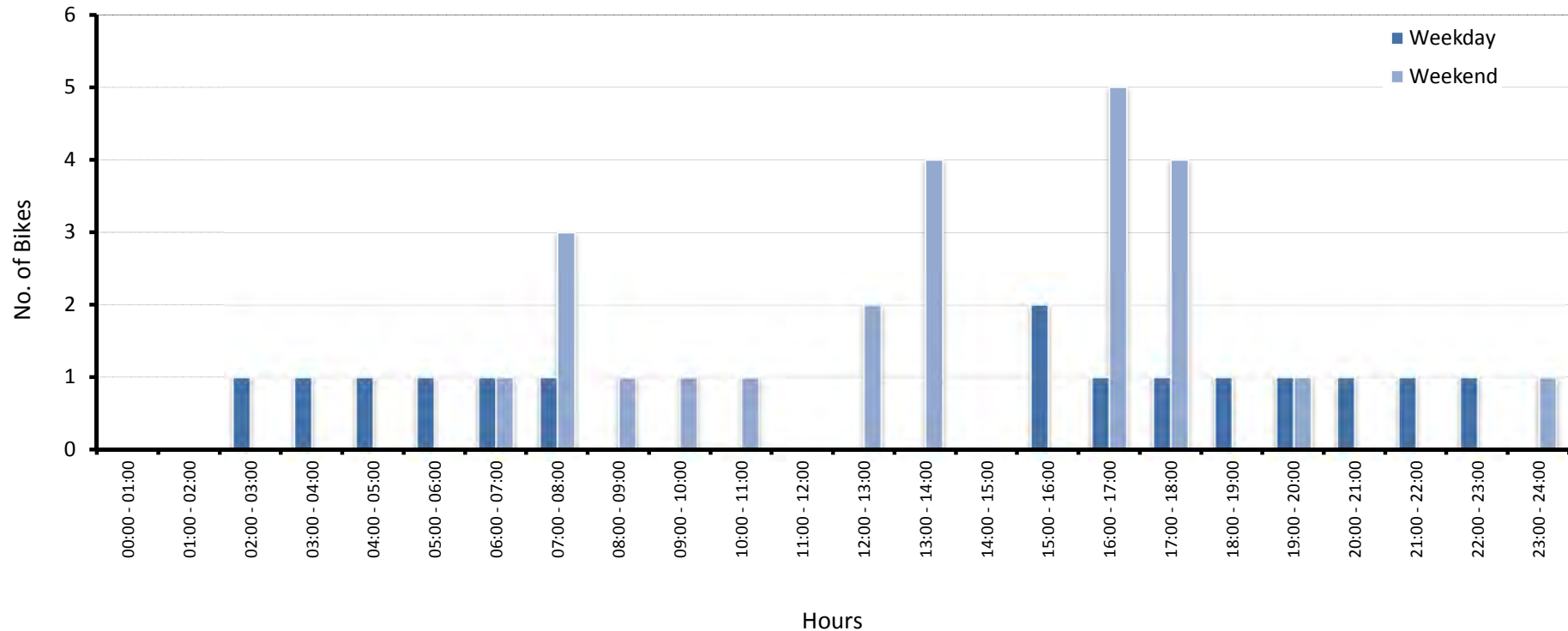- Northbound 33%

Weekend

- Southbound 46%
- Northbound 54%
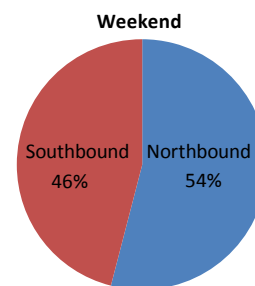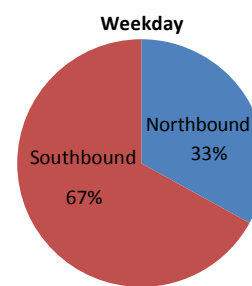
**PEDESTRIAN COUNTS SUMMARY**

- Total Weekday Pedestrian Count: 88
- Total Weekend Pedestrian Count: 135
- Total Pedestrian Traffic for the Period Analyzed: 223

**Distribution by Sidewalk Side**

Weekday

- WEST 53%
- EAST 47%

Weekend

- WEST 67%
- EAST 33%
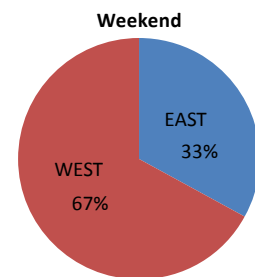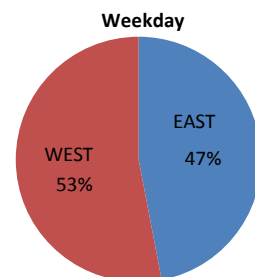
## BIKE COUNTS
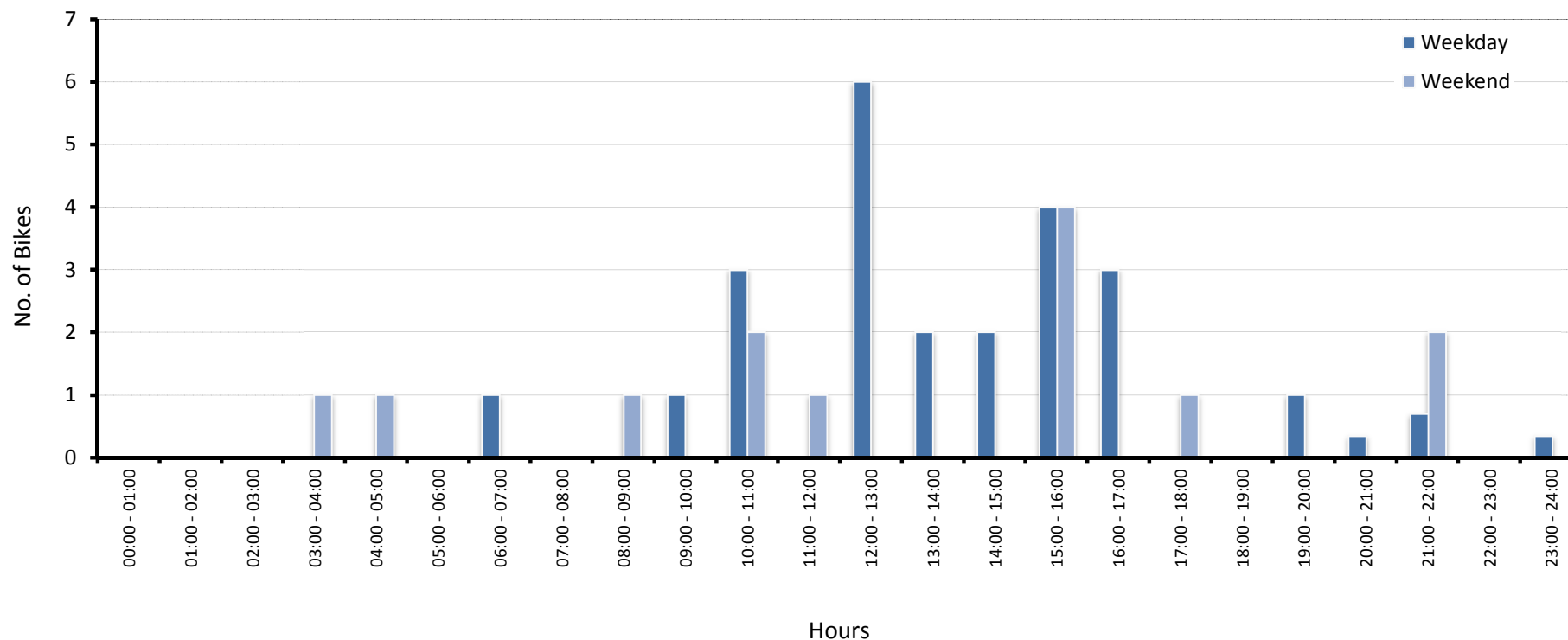
## BIKE DATA

| TIME | Weekday (02/20/2014) | | Weekend (02/22/2014) | |
|---|---|---|---|---|
| | *Northbound* | *Southbound* | *Northbound* | *Southbound* |
| 00:00 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 04:00 | 0 | 0 | 0 | 1 |
| 04:00 - 05:00 | 0 | 0 | 1 | 0 |
| 05:00 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 07:00 | 1 | 0 | 0 | 0 |
| 07:00 - 08:00 | 0 | 0 | 0 | 0 |
| 08:00 - 09:00 | 0 | 0 | 1 | 0 |
| 09:00 - 10:00 | 0 | 1 | 0 | 0 |
| 10:00 - 11:00 | 1 | 2 | 1 | 1 |
| 11:00 - 12:00 | 0 | 0 | 1 | 0 |
| 12:00 - 13:00 | 1 | 5 | 0 | 0 |
| 13:00 - 14:00 | 2 | 0 | 0 | 0 |
| 14:00 - 15:00 | 1 | 1 | 0 | 0 |
| 15:00 - 16:00 | 1 | 3 | 0 | 4 |
| 16:00 - 17:00 | 1 | 2 | 0 | 0 |
| 17:00 - 18:00 | 0 | 0 | 1 | 0 |
| 18:00 - 19:00 | 0 | 0 | 0 | 0 |
| 19:00 - 20:00 | 0 | 1 | 0 | 0 |
| 20:00 - 21:00 | 0 | 0 | 0 | 0 |
| 21:00 - 22:00 | 0 | 1 | 2 | 0 |
| 22:00 - 23:00 | 0 | 0 | 0 | 0 |
| 23:00 - 24:00 | 0 | 0 | 0 | 0 |
| **TOTAL** | **8** | **16** | **7** | **6** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|------|------|------|------|------|
| 00:00 - 01:00 | 0 | 0 | 1 | 0 |
| 01:00 - 02:00 | 0 | 0 | 1 | 0 |
| 02:00 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 04:00 | 0 | 0 | 1 | 1 |
| 04:00 - 05:00 | 0 | 1 | 2 | 0 |
| 05:00 - 06:00 | 0 | 0 | 2 | 0 |
| 06:00 - 07:00 | 1 | 0 | 0 | 0 |
| 07:00 - 08:00 | 0 | 0 | 3 | 0 |
| 08:00 - 09:00 | 0 | 1 | 1 | 0 |
| 09:00 - 10:00 | 0 | 0 | 1 | 0 |
| 10:00 - 11:00 | 0 | 1 | 4 | 1 |
| 11:00 - 12:00 | 1 | 1 | 8 | 0 |
| 12:00 - 13:00 | 0 | 0 | 0 | 0 |
| 13:00 - 14:00 | 3 | 0 | 6 | 0 |
| 14:00 - 15:00 | 14 | 0 | 3 | 0 |
| 15:00 - 16:00 | 16 | 0 | 1 | 4 |
| 16:00 - 17:00 | 1 | 0 | 3 | 0 |
| 17:00 - 18:00 | 0 | 1 | 6 | 0 |
| 18:00 - 19:00 | 4 | 0 | 3 | 0 |
| 19:00 - 20:00 | 0 | 0 | 3 | 0 |
| 20:00 - 21:00 | 0 | 0 | 0 | 0 |
| 21:00 - 22:00 | 0 | 2 | 1 | 0 |
| 22:00 - 23:00 | 2 | 0 | 1 | 0 |
| 23:00 - 24:00 | 0 | 0 | 1 | 0 |
| TOTAL | 42 | 7 | 52 | 6 |
| Difference | 35 | | 46 | |
| % Error | 500% | | 767% | |

## PEDESTRIAN COUNTS
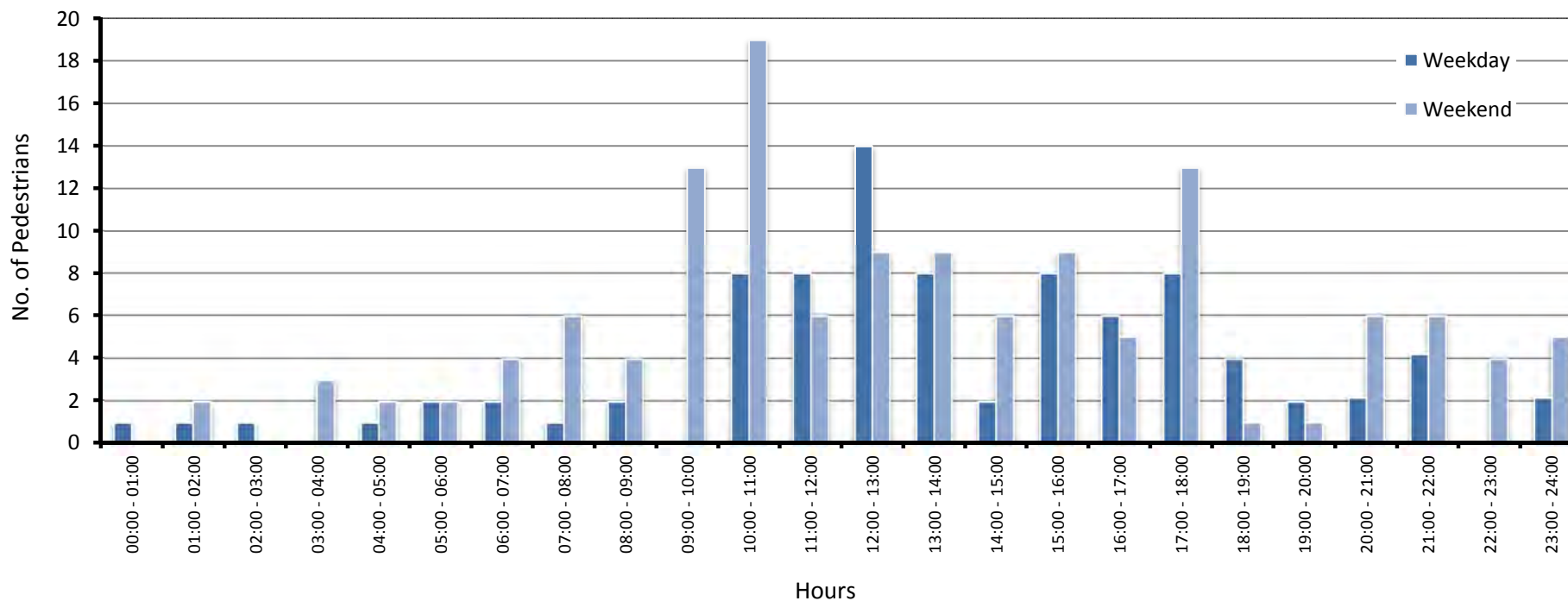
## PEDESTRIAN DATA

| TIME | Weekday (02/20/2014) | | Weekend (02/22/2014) | |
|---|---|---|---|---|
| | EAST | WEST | EAST | WEST |
| 00:00 - 01:00 | 0 | 1 | 0 | 0 |
| 01:00 - 02:00 | 1 | 0 | 2 | 0 |
| 02:00 - 03:00 | 1 | 0 | 0 | 0 |
| 03:00 - 04:00 | 0 | 0 | 3 | 0 |
| 04:00 - 05:00 | 1 | 0 | 2 | 0 |
| 05:00 - 06:00 | 0 | 2 | 1 | 1 |
| 06:00 - 07:00 | 1 | 1 | 3 | 1 |
| 07:00 - 08:00 | 0 | 1 | 2 | 4 |
| 08:00 - 09:00 | 0 | 2 | 1 | 3 |
| 09:00 - 10:00 | 0 | 0 | 1 | 12 |
| 10:00 - 11:00 | 3 | 5 | 5 | 14 |
| 11:00 - 12:00 | 5 | 3 | 1 | 5 |
| 12:00 - 13:00 | 5 | 9 | 2 | 7 |
| 13:00 - 14:00 | 3 | 5 | 2 | 7 |
| 14:00 - 15:00 | 1 | 1 | 1 | 5 |
| 15:00 - 16:00 | 7 | 1 | 3 | 6 |
| 16:00 - 17:00 | 3 | 3 | 2 | 3 |
| 17:00 - 18:00 | 1 | 7 | 3 | 10 |
| 18:00 - 19:00 | 2 | 2 | 1 | 0 |
| 19:00 - 20:00 | 1 | 1 | 1 | 0 |
| 20:00 - 21:00 | 2 | 0 | 0 | 6 |
| 21:00 - 22:00 | 2 | 2 | 3 | 3 |
| 22:00 - 23:00 | 0 | 0 | 1 | 3 |
| 23:00 - 24:00 | 2 | 0 | 4 | 1 |
| **TOTAL** | **42** | **46** | **44** | **91** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|------|-------------|--------------|-------------|--------------|
| 00:00 - 01:00 | 1 | 0 | 0 | 0 |
| 01:00 - 02:00 | 0 | 2 | 0 | 0 |
| 02:00 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 04:00 | 0 | 3 | 0 | 0 |
| 04:00 - 05:00 | 0 | 2 | 0 | 0 |
| 05:00 - 06:00 | 0 | 1 | 0 | 1 |
| 06:00 - 07:00 | 1 | 3 | 0 | 1 |
| 07:00 - 08:00 | 0 | 2 | 3 | 4 |
| 08:00 - 09:00 | 2 | 1 | 2 | 3 |
| 09:00 - 10:00 | 1 | 1 | 10 | 12 |
| 10:00 - 11:00 | 5 | 5 | 12 | 14 |
| 11:00 - 12:00 | 4 | 1 | 4 | 5 |
| 12:00 - 13:00 | 2 | 2 | 5 | 7 |
| 13:00 - 14:00 | 2 | 2 | 7 | 7 |
| 14:00 - 15:00 | 3 | 1 | 4 | 5 |
| 15:00 - 16:00 | 5 | 3 | 6 | 6 |
| 16:00 - 17:00 | 4 | 2 | 2 | 3 |
| 17:00 - 18:00 | 0 | 3 | 7 | 10 |
| 18:00 - 19:00 | 6 | 1 | 0 | 0 |
| 19:00 - 20:00 | 0 | 1 | 0 | 0 |
| 20:00 - 21:00 | 0 | 0 | 3 | 6 |
| 21:00 - 22:00 | 1 | 3 | 1 | 3 |
| 22:00 - 23:00 | 1 | 1 | 3 | 3 |
| 23:00 - 24:00 | 0 | 4 | 0 | 1 |
| TOTAL | 38 | 44 | 69 | 91 |
| Difference | -6 | | -22 | |
| % Error | -14% | | -24% | |

**Eastern Ave. south of Windmill Ln.**

E Windmill Ln

Ped Counters

Bike Tubes

S Eastern Ave

Video Camera

35m
100ft

GISMO



## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 11
- Total Weekend Bike Count: 17
- Total Bike Traffic for the Period Analyzed: 28

### Distribution by Direction

**Weekday**

Northbound 31%
Southbound 69%

**Weekend**

Northbound 35%
Southbound 65%
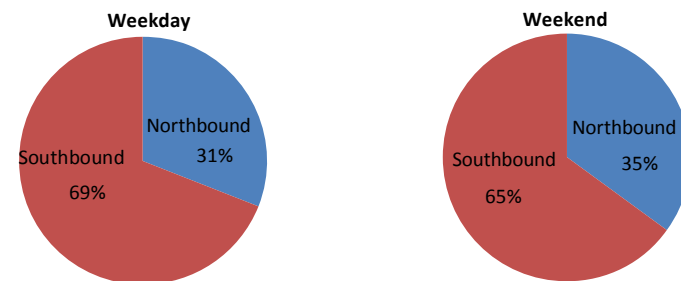
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count): 40
- Total Weekend Pedestrian Count: 48
- Total Pedestrian Traffic for the Period Analyzed: 88

### Distribution by Sidewalk Side

**Weekday**

WEST 40%
EAST 60%

**Weekend**

EAST 33%
WEST 67%
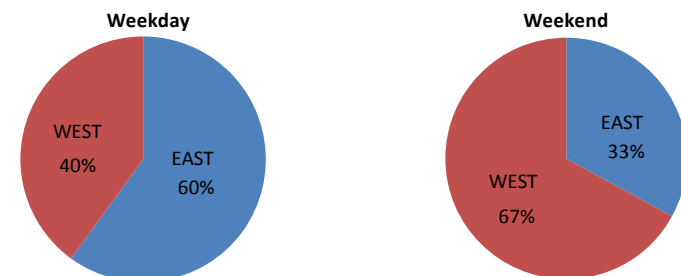
## BIKE COUNTS
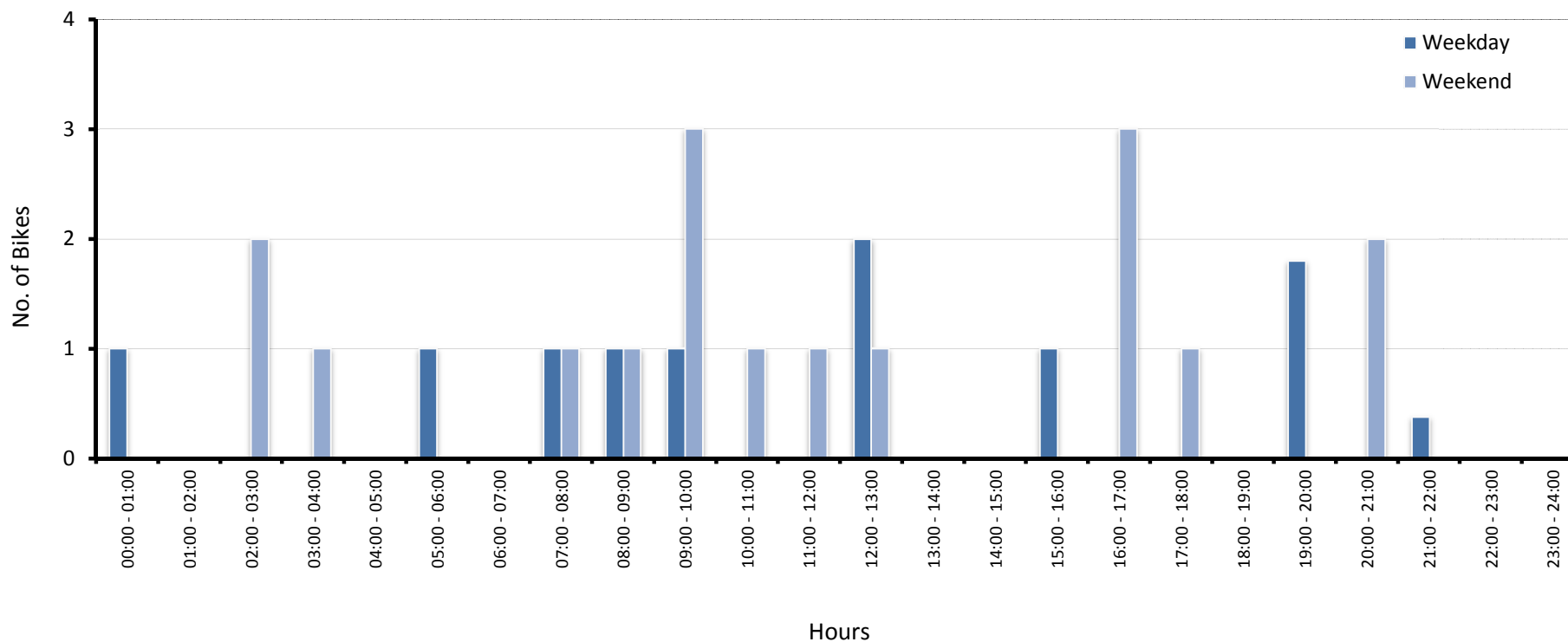
## BIKE DATA

| TIME | Weekday (03/12/2014) | | Weekend (03/15/2014) | |
|---|---|---|---|---|
| | Northbound | Southbound | Northbound | Southbound |
| 00:00 - 01:00 | 0 | 1 | 0 | 0 |
| 01:00 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 03:00 | 0 | 0 | 2 | 0 |
| 03:00 - 04:00 | 0 | 0 | 0 | 1 |
| 04:00 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 06:00 | 0 | 1 | 0 | 0 |
| 06:00 - 07:00 | 0 | 0 | 0 | 0 |
| 07:00 - 08:00 | 1 | 0 | 0 | 1 |
| 08:00 - 09:00 | 1 | 0 | 0 | 1 |
| 09:00 - 10:00 | 0 | 1 | 0 | 3 |
| 10:00 - 11:00 | 0 | 0 | 1 | 0 |
| 11:00 - 12:00 | 0 | 0 | 0 | 1 |
| 12:00 - 13:00 | 0 | 2 | 0 | 1 |
| 13:00 - 14:00 | 0 | 0 | 0 | 0 |
| 14:00 - 15:00 | 0 | 0 | 0 | 0 |
| 15:00 - 16:00 | 1 | 0 | 0 | 0 |
| 16:00 - 17:00 | 0 | 0 | 3 | 0 |
| 17:00 - 18:00 | 0 | 0 | 0 | 1 |
| 18:00 - 19:00 | 0 | 0 | 0 | 0 |
| 19:00 - 20:00 | 1 | 1 | 0 | 0 |
| 20:00 - 21:00 | 0 | 0 | 0 | 2 |
| 21:00 - 22:00 | 0 | 0 | 0 | 0 |
| 22:00 - 23:00 | 0 | 0 | 0 | 0 |
| 23:00 - 24:00 | 0 | 0 | 0 | 0 |
| TOTAL | 3 | 7 | 6 | 11 |

▢ Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|------|:---:|:---:|:---:|:---:|
| 00:00 - 01:00 | 0 | 0 | 1 | 0 |
| 01:00 - 02:00 | 1 | 0 | 0 | 0 |
| 02:00 - 03:00 | 1 | 2 | 0 | 0 |
| 03:00 - 04:00 | 0 | 0 | 0 | 1 |
| 04:00 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 07:00 | 0 | 0 | 0 | 0 |
| 07:00 - 08:00 | 0 | 0 | 3 | 1 |
| 08:00 - 09:00 | 0 | 0 | 1 | 1 |
| 09:00 - 10:00 | 0 | 0 | 2 | 3 |
| 10:00 - 11:00 | 0 | 1 | 2 | 0 |
| 11:00 - 12:00 | 0 | 0 | 2 | 1 |
| 12:00 - 13:00 | 0 | 0 | 5 | 1 |
| 13:00 - 14:00 | 0 | 0 | 1 | 0 |
| 14:00 - 15:00 | 0 | 0 | 2 | 0 |
| 15:00 - 16:00 | 0 | 0 | 2 | 0 |
| 16:00 - 17:00 | 0 | 3 | 1 | 0 |
| 17:00 - 18:00 | 0 | 0 | 2 | 1 |
| 18:00 - 19:00 | 0 | 0 | 2 | 0 |
| 19:00 - 20:00 | 0 | 0 | 2 | 0 |
| 20:00 - 21:00 | 0 | 0 | 0 | 2 |
| 21:00 - 22:00 | 0 | 0 | 0 | 0 |
| 22:00 - 23:00 | 0 | 0 | 0 | 0 |
| 23:00 - 24:00 | 1 | 0 | 1 | 0 |
| TOTAL | 3 | 6 | 29 | 11 |
| Difference | -3 | | 18 | |
| % Error | -50% | | 164% | |

**PEDESTRIAN COUNTS**
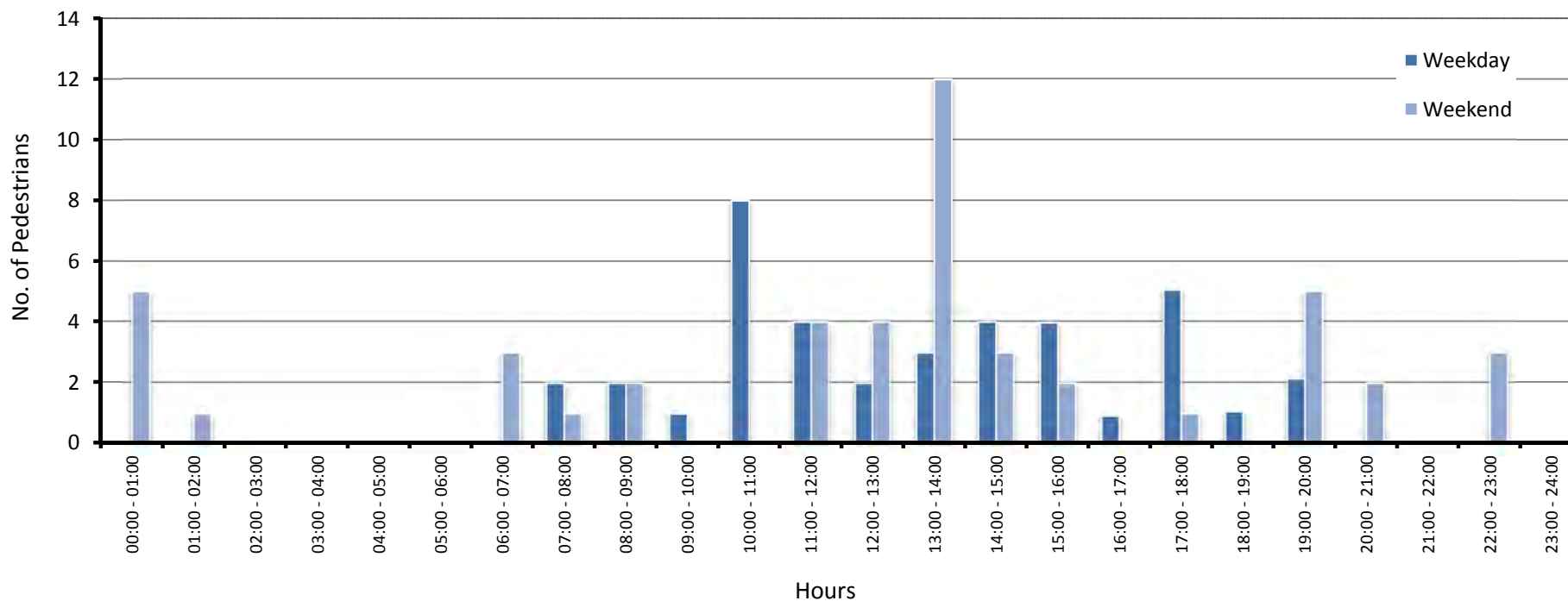
## PEDESTRIAN DATA

| TIME | Weekday (03/12/2014) | | Weekend (03/15/2014) | |
|---|---|---|---|---|
| | *EAST* | *WEST* | *EAST* | *WEST* |
| 00:00 - 01:00 | 0 | 0 | 1 | 4 |
| 01:00 - 02:00 | 0 | 0 | 0 | 1 |
| 02:00 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 07:00 | 0 | 0 | 2 | 1 |
| 07:00 - 08:00 | 1 | 1 | 0 | 1 |
| 08:00 - 09:00 | 1 | 1 | 1 | 1 |
| 09:00 - 10:00 | 0 | 1 | 0 | 0 |
| 10:00 - 11:00 | 2 | 6 | 0 | 0 |
| 11:00 - 12:00 | 3 | 1 | 3 | 1 |
| 12:00 - 13:00 | 1 | 1 | 0 | 4 |
| 13:00 - 14:00 | 3 | 0 | 4 | 8 |
| 14:00 - 15:00 | 4 | 0 | 1 | 2 |
| 15:00 - 16:00 | 2 | 2 | 0 | 2 |
| 16:00 - 17:00 | 0 | 1 | 0 | 0 |
| 17:00 - 18:00 | 3 | 2 | 1 | 0 |
| 18:00 - 19:00 | 1 | 0 | 0 | 0 |
| 19:00 - 20:00 | 2 | 0 | 3 | 2 |
| 20:00 - 21:00 | 0 | 0 | 0 | 2 |
| 21:00 - 22:00 | 0 | 0 | 0 | 0 |
| 22:00 - 23:00 | 0 | 0 | 0 | 3 |
| 23:00 - 24:00 | 0 | 0 | 0 | 0 |
| **TOTAL** | **24** | **16** | **16** | **32** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|------|-------------|--------------|-------------|--------------|
| 00:00 - 01:00 | 0 | 1 | 1 | 4 |
| 01:00 - 02:00 | 0 | 0 | 0 | 1 |
| 02:00 - 03:00 | 0 | 0 | 1 | 0 |
| 03:00 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 06:00 | 0 | 0 | 1 | 0 |
| 06:00 - 07:00 | 0 | 2 | 2 | 1 |
| 07:00 - 08:00 | 0 | 0 | 1 | 1 |
| 08:00 - 09:00 | 0 | 1 | 1 | 1 |
| 09:00 - 10:00 | 0 | 0 | 2 | 0 |
| 10:00 - 11:00 | 2 | 0 | 1 | 0 |
| 11:00 - 12:00 | 0 | 3 | 4 | 1 |
| 12:00 - 13:00 | 1 | 0 | 1 | 4 |
| 13:00 - 14:00 | 2 | 4 | 2 | 8 |
| 14:00 - 15:00 | 0 | 1 | 1 | 2 |
| 15:00 - 16:00 | 0 | 0 | 0 | 2 |
| 16:00 - 17:00 | 0 | 0 | 0 | 0 |
| 17:00 - 18:00 | 1 | 1 | 0 | 0 |
| 18:00 - 19:00 | 0 | 0 | 0 | 0 |
| 19:00 - 20:00 | 1 | 3 | 2 | 2 |
| 20:00 - 21:00 | 0 | 0 | 1 | 2 |
| 21:00 - 22:00 | 0 | 0 | 1 | 0 |
| 22:00 - 23:00 | 1 | 0 | 0 | 3 |
| 23:00 - 24:00 | 0 | 0 | 0 | 0 |
| TOTAL | 8 | 16 | 22 | 32 |
| Difference | -8 | | -10 | |
| % Error | -50% | | -31% | |

# W. Flamingo Rd. west of S. Decatur Blvd.

Ped Counters

Flamingo Rd.

Bike Tubes

Decatur Blvd.

35m
100ft

## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 92
- Total Weekend Bike Count: 88
- Total Bike Traffic for the Period Analyzed: 180

### Distribution by Direction

**Weekday**

Westbound 55%
Eastbound 45%

**Weekend**

Westbound 40%
Eastbound 60%
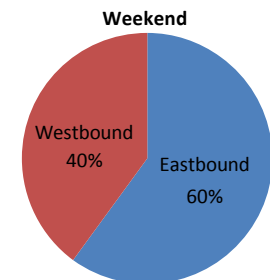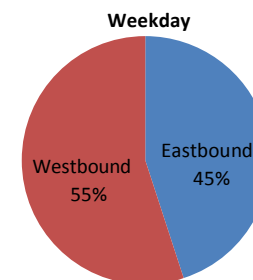
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 110
- Total Weekend Pedestrian Count: 96
- Total Pedestrian Traffic for the Period Analyzed: 206

### Distribution by Sidewalk Side

**Weekday**

NORTH 53%
SOUTH 47%

**Weekend**

NORTH 45%
SOUTH 55%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (12/04/2013) Eastbound | Westbound | Weekend (12/07/2013) Eastbound | Westbound |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 1 |
| 00:15 - 00:30 | 0 | | 2 | |
| 00:30 - 00:45 | 0 | | 1 | |
| 00:45 - 01:00 | 0 | | 0 | |
| 01:00 - 01:15 | 0 | 0 | 0 | 1 |
| 01:15 - 01:30 | 0 | | 2 | |
| 01:30 - 01:45 | 0 | | 0 | |
| 01:45 - 02:00 | 0 | | 0 | |
| 02:00 - 02:15 | 0 | 0 | 0 | 1 |
| 02:15 - 02:30 | 0 | | 0 | |
| 02:30 - 02:45 | 0 | | 2 | |
| 02:45 - 03:00 | 0 | | 0 | |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | | 0 | |
| 03:30 - 03:45 | 0 | | 0 | |
| 03:45 - 04:00 | 0 | | 0 | |
| 04:00 - 04:15 | 0 | 0 | 1 | 0 |
| 04:15 - 04:30 | 0 | | 0 | |
| 04:30 - 04:45 | 0 | | 1 | |
| 04:45 - 05:00 | 0 | | 0 | |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | | 0 | |
| 05:30 - 05:45 | 0 | | 1 | |
| 05:45 - 06:00 | 0 | | 0 | |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | | 0 | |
| 06:30 - 06:45 | 0 | | 0 | |
| 06:45 - 07:00 | 0 | | 0 | |
| 07:00 - 07:15 | 0 | 0 | 1 | 1 |
| 07:15 - 07:30 | 0 | | 0 | |
| 07:30 - 07:45 | 0 | | 1 | |
| 07:45 - 08:00 | 0 | | 0 | |

| TIME | Weekday (12/04/2013) Eastbound | Westbound | Weekend (12/07/2013) Eastbound | Westbound |
|---|---|---|---|---|
| 08:00 - 08:15 | 0 | 0 | 0 | 3 |
| 08:15 - 08:30 | 0 | | 0 | |
| 08:30 - 08:45 | 0 | | 0 | |
| 08:45 - 09:00 | 0 | | 2 | |
| 09:00 - 09:15 | 0 | 0 | 0 | 2 |
| 09:15 - 09:30 | 0 | | 1 | |
| 09:30 - 09:45 | 0 | | 1 | |
| 09:45 - 10:00 | 0 | | 0 | |
| 10:00 - 10:15 | 0 | 2 | 0 | 1 |
| 10:15 - 10:30 | 0 | | 0 | |
| 10:30 - 10:45 | 0 | | 0 | |
| 10:45 - 11:00 | 3 | | 1 | |
| 11:00 - 11:15 | 0 | 2 | 0 | 3 |
| 11:15 - 11:30 | 2 | | 0 | |
| 11:30 - 11:45 | 1 | | 0 | |
| 11:45 - 12:00 | 1 | | 0 | |
| 12:00 - 12:15 | 0 | 2 | 0 | 2 |
| 12:15 - 12:30 | 1 | | 0 | |
| 12:30 - 12:45 | 1 | | 0 | |
| 12:45 - 13:00 | 0 | | 0 | |
| 13:00 - 13:15 | 3 | 9 | 1 | 4 |
| 13:15 - 13:30 | 3 | | 1 | |
| 13:30 - 13:45 | 0 | | 0 | |
| 13:45 - 14:00 | 2 | | 1 | |
| 14:00 - 14:15 | 0 | 8 | 0 | 1 |
| 14:15 - 14:30 | 1 | | 3 | |
| 14:30 - 14:45 | 0 | | 1 | |
| 14:45 - 15:00 | 1 | | 0 | |
| 15:00 - 15:15 | 3 | 13 | 1 | 1 |
| 15:15 - 15:30 | 2 | | 0 | |
| 15:30 - 15:45 | 2 | | 0 | |
| 15:45 - 16:00 | 1 | | 3 | |

| TIME | Weekday (12/04/2013) Eastbound | Westbound | Weekend (12/07/2013) Eastbound | Westbound |
|---|---|---|---|---|
| 16:00 - 16:15 | 0 | 7 | 1 | 2 |
| 16:15 - 16:30 | 3 | | 3 | |
| 16:30 - 16:45 | 0 | | 1 | |
| 16:45 - 17:00 | 1 | | 1 | |
| 17:00 - 17:15 | 1 | 1 | 1 | 3 |
| 17:15 - 17:30 | 1 | | 2 | |
| 17:30 - 17:45 | 0 | | 0 | |
| 17:45 - 18:00 | 0 | | 1 | |
| 18:00 - 18:15 | 1 | 4 | 0 | 2 |
| 18:15 - 18:30 | 0 | | 1 | |
| 18:30 - 18:45 | 0 | | 0 | |
| 18:45 - 19:00 | 0 | | 0 | |
| 19:00 - 19:15 | 2 | 1 | 1 | 1 |
| 19:15 - 19:30 | 1 | | 3 | |
| 19:30 - 19:45 | 1 | | 0 | |
| 19:45 - 20:00 | 2 | | 2 | |
| 20:00 - 20:15 | 0 | 2 | 0 | 0 |
| 20:15 - 20:30 | 0 | | 0 | |
| 20:30 - 20:45 | 0 | | 1 | |
| 20:45 - 21:00 | 0 | | 2 | |
| 21:00 - 21:15 | 0 | 0 | 1 | 4 |
| 21:15 - 21:30 | 0 | | 0 | |
| 21:30 - 21:45 | 1 | | 0 | |
| 21:45 - 22:00 | 0 | | 0 | |
| 22:00 - 22:15 | 0 | 0 | 1 | 0 |
| 22:15 - 22:30 | 0 | | 1 | |
| 22:30 - 22:45 | 0 | | 1 | |
| 22:45 - 23:00 | 0 | | 1 | |
| 23:00 - 23:15 | 0 | 0 | 0 | 2 |
| 23:15 - 23:30 | 0 | | 0 | |
| 23:30 - 23:45 | 0 | | 0 | |
| 23:45 - 24:00 | 0 | | 0 | |
| **TOTAL** | **41** | **51** | **53** | **35** |

**PEDESTRIAN COUNTS**

## PEDESTRIAN DATA

| TIME | Weekday (12/04/2013) SOUTH | Weekday (12/04/2013) NORTH | Weekend (12/07/2013) SOUTH | Weekend (12/07/2013) NORTH |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 1 |
| 00:15 - 00:30 | 0 |  | 2 |  |
| 00:30 - 00:45 | 0 |  | 1 |  |
| 00:45 - 01:00 | 0 |  | 0 |  |
| 01:00 - 01:15 | 0 | 0 | 0 | 1 |
| 01:15 - 01:30 | 0 |  | 2 |  |
| 01:30 - 01:45 | 0 |  | 0 |  |
| 01:45 - 02:00 | 0 |  | 0 |  |
| 02:00 - 02:15 | 0 | 0 | 0 | 1 |
| 02:15 - 02:30 | 0 |  | 0 |  |
| 02:30 - 02:45 | 0 |  | 2 |  |
| 02:45 - 03:00 | 0 |  | 0 |  |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 |  | 0 |  |
| 03:30 - 03:45 | 0 |  | 0 |  |
| 03:45 - 04:00 | 0 |  | 0 |  |
| 04:00 - 04:15 | 0 | 1 | 1 | 0 |
| 04:15 - 04:30 | 0 |  | 0 |  |
| 04:30 - 04:45 | 0 |  | 1 |  |
| 04:45 - 05:00 | 0 |  | 0 |  |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 |  | 0 |  |
| 05:30 - 05:45 | 0 |  | 1 |  |
| 05:45 - 06:00 | 0 |  | 0 |  |
| 06:00 - 06:15 | 1 | 2 | 0 | 0 |
| 06:15 - 06:30 | 0 |  | 0 |  |
| 06:30 - 06:45 | 1 |  | 0 |  |
| 06:45 - 07:00 | 0 |  | 0 |  |
| 07:00 - 07:15 | 0 | 0 | 1 | 1 |
| 07:15 - 07:30 | 0 |  | 0 |  |
| 07:30 - 07:45 | 0 |  | 1 |  |
| 07:45 - 08:00 | 2 |  | 0 |  |

| TIME | Weekday (12/04/2013) SOUTH | Weekday (12/04/2013) NORTH | Weekend (12/07/2013) SOUTH | Weekend (12/07/2013) NORTH |
|---|---|---|---|---|
| 08:00 - 08:15 | 0 | 4 | 0 | 3 |
| 08:15 - 08:30 | 1 |  | 0 |  |
| 08:30 - 08:45 | 1 |  | 0 |  |
| 08:45 - 09:00 | 0 |  | 2 |  |
| 09:00 - 09:15 | 0 | 0 | 0 | 2 |
| 09:15 - 09:30 | 0 |  | 1 |  |
| 09:30 - 09:45 | 0 |  | 1 |  |
| 09:45 - 10:00 | 0 |  | 0 |  |
| 10:00 - 10:15 | 0 | 2 | 0 | 1 |
| 10:15 - 10:30 | 0 |  | 0 |  |
| 10:30 - 10:45 | 0 |  | 0 |  |
| 10:45 - 11:00 | 3 |  | 1 |  |
| 11:00 - 11:15 | 0 | 2 | 0 | 3 |
| 11:15 - 11:30 | 2 |  | 0 |  |
| 11:30 - 11:45 | 1 |  | 0 |  |
| 11:45 - 12:00 | 1 |  | 0 |  |
| 12:00 - 12:15 | 0 | 2 | 0 | 2 |
| 12:15 - 12:30 | 1 |  | 0 |  |
| 12:30 - 12:45 | 1 |  | 0 |  |
| 12:45 - 13:00 | 0 |  | 0 |  |
| 13:00 - 13:15 | 3 | 9 | 1 | 4 |
| 13:15 - 13:30 | 3 |  | 1 |  |
| 13:30 - 13:45 | 0 |  | 0 |  |
| 13:45 - 14:00 | 2 |  | 1 |  |
| 14:00 - 14:15 | 0 | 8 | 0 | 3 |
| 14:15 - 14:30 | 1 |  | 3 |  |
| 14:30 - 14:45 | 0 |  | 1 |  |
| 14:45 - 15:00 | 1 |  | 0 |  |
| 15:00 - 15:15 | 3 | 13 | 1 | 1 |
| 15:15 - 15:30 | 2 |  | 0 |  |
| 15:30 - 15:45 | 2 |  | 0 |  |
| 15:45 - 16:00 | 1 |  | 3 |  |

| TIME | Weekday (12/04/2013) SOUTH | Weekday (12/04/2013) NORTH | Weekend (12/07/2013) SOUTH | Weekend (12/07/2013) NORTH |
|---|---|---|---|---|
| 16:00 - 16:15 | 0 | 7 | 1 | 2 |
| 16:15 - 16:30 | 3 |  | 3 |  |
| 16:30 - 16:45 | 0 |  | 1 |  |
| 16:45 - 17:00 | 1 |  | 1 |  |
| 17:00 - 17:15 | 1 | 1 | 1 | 3 |
| 17:15 - 17:30 | 1 |  | 2 |  |
| 17:30 - 17:45 | 0 |  | 0 |  |
| 17:45 - 18:00 | 0 |  | 1 |  |
| 18:00 - 18:15 | 1 | 4 | 0 | 2 |
| 18:15 - 18:30 | 0 |  | 1 |  |
| 18:30 - 18:45 | 0 |  | 0 |  |
| 18:45 - 19:00 | 0 |  | 0 |  |
| 19:00 - 19:15 | 2 | 1 | 1 | 3 |
| 19:15 - 19:30 | 1 |  | 3 |  |
| 19:30 - 19:45 | 1 |  | 0 |  |
| 19:45 - 20:00 | 2 |  | 2 |  |
| 20:00 - 20:15 | 0 | 2 | 0 | 4 |
| 20:15 - 20:30 | 0 |  | 0 |  |
| 20:30 - 20:45 | 0 |  | 1 |  |
| 20:45 - 21:00 | 1 |  | 2 |  |
| 21:00 - 21:15 | 1 | 0 | 1 | 4 |
| 21:15 - 21:30 | 1 |  | 0 |  |
| 21:30 - 21:45 | 2 |  | 0 |  |
| 21:45 - 22:00 | 0 |  | 0 |  |
| 22:00 - 22:15 | 1 | 0 | 1 | 0 |
| 22:15 - 22:30 | 0 |  | 1 |  |
| 22:30 - 22:45 | 0 |  | 1 |  |
| 22:45 - 23:00 | 0 |  | 1 |  |
| 23:00 - 23:15 | 0 | 0 | 0 | 2 |
| 23:15 - 23:30 | 0 |  | 0 |  |
| 23:30 - 23:45 | 0 |  | 0 |  |
| 23:45 - 24:00 | 0 |  | 0 |  |
| **TOTAL** | **52** | **58** | **53** | **43** |

# W. Gowan Rd. west of Englestad St.

Gowan Rd.

Englestad St.

Bike Tubes

Ped Counters

Video Camera

35m
100ft

GISMO






## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 29
- Total Weekend Bike Count: 15
- Total Bike Traffic for the Period Analyzed: 44

### Distribution by Direction

**Weekday**

24% Eastbound

Westbound 76%

**Weekend**

28% Eastbound

Westbound 72%

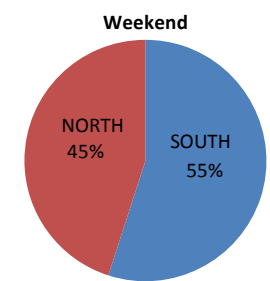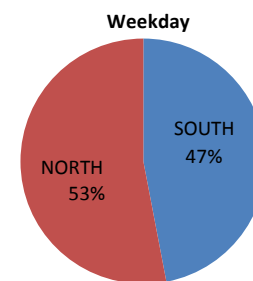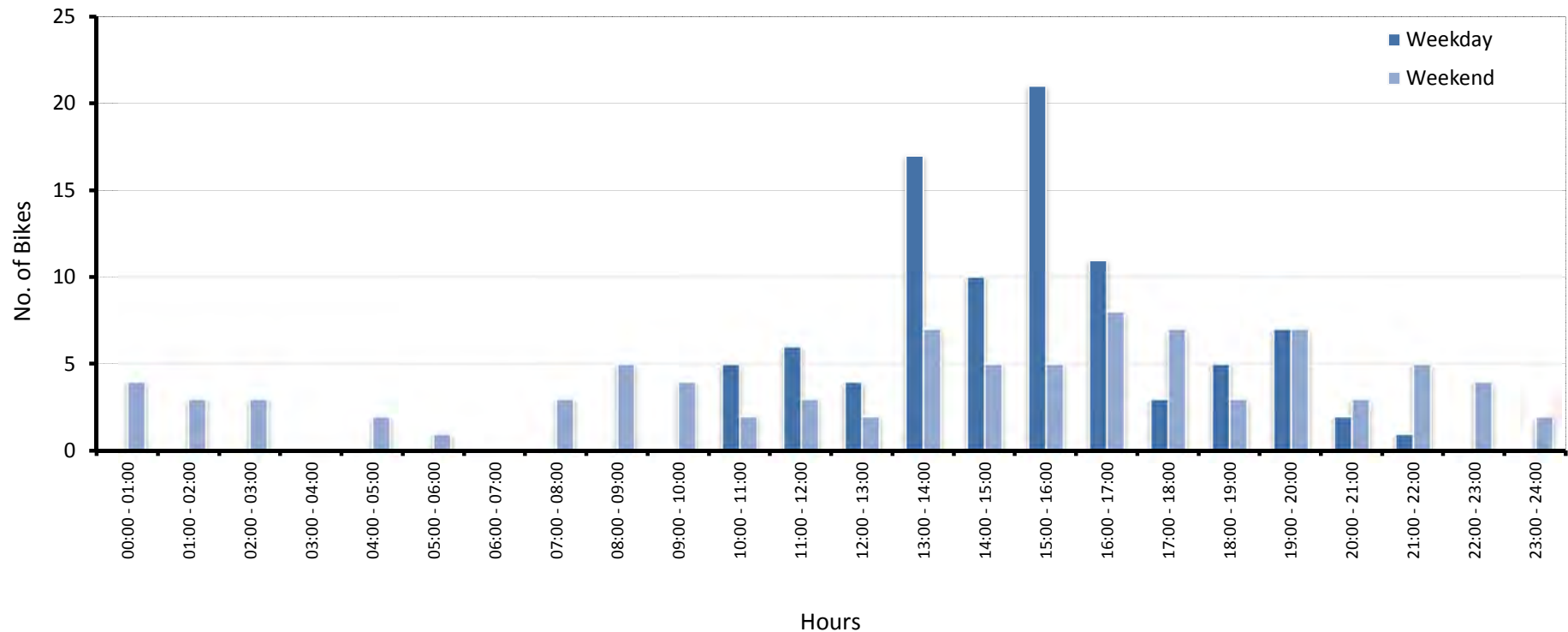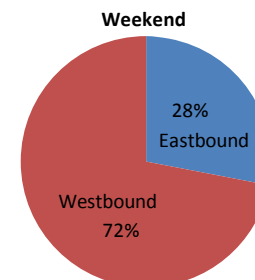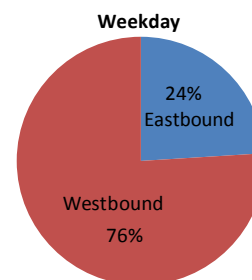## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 297
- Total Weekend Pedestrian Count: 85
- Total Pedestrian Traffic for the Period Analyzed: 382

### Distribution by Sidewalk Side

**Weekday**

NORTH 53%

SOUTH 47%

**Weekend**

NORTH 59%

SOUTH 41%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (09/05/2013) Eastbound | Weekday (09/05/2013) Westbound | Weekend (09/07/2013) Eastbound | Weekend (09/07/2013) Westbound |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 1 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 1 | 0 | 0 |

| TIME | Weekday (09/05/2013) Eastbound | Weekday (09/05/2013) Westbound | Weekend (09/07/2013) Eastbound | Weekend (09/07/2013) Westbound |
|---|---|---|---|---|
| 08:00 - 08:15 | 0 | 0 | 0 | 0 |
| 08:15 - 08:30 | 0 | 1 | 0 | 0 |
| 08:30 - 08:45 | 0 | 3 | 0 | 0 |
| 08:45 - 09:00 | 0 | 1 | 0 | 0 |
| 09:00 - 09:15 | 0 | 0 | 0 | 3 |
| 09:15 - 09:30 | 0 | 0 | 0 | 0 |
| 09:30 - 09:45 | 0 | 0 | 0 | 0 |
| 09:45 - 10:00 | 0 | 0 | 0 | 0 |
| 10:00 - 10:15 | 0 | 0 | 0 | 0 |
| 10:15 - 10:30 | 0 | 0 | 0 | 0 |
| 10:30 - 10:45 | 0 | 0 | 0 | 0 |
| 10:45 - 11:00 | 0 | 0 | 0 | 0 |
| 11:00 - 11:15 | 0 | 0 | 0 | 0 |
| 11:15 - 11:30 | 0 | 0 | 0 | 0 |
| 11:30 - 11:45 | 0 | 0 | 0 | 0 |
| 11:45 - 12:00 | 0 | 0 | 0 | 0 |
| 12:00 - 12:15 | 0 | 1 | 0 | 0 |
| 12:15 - 12:30 | 0 | 0 | 0 | 0 |
| 12:30 - 12:45 | 0 | 0 | 0 | 0 |
| 12:45 - 13:00 | 0 | 0 | 0 | 0 |
| 13:00 - 13:15 | 0 | 0 | 0 | 0 |
| 13:15 - 13:30 | 0 | 0 | 0 | 0 |
| 13:30 - 13:45 | 0 | 0 | 0 | 0 |
| 13:45 - 14:00 | 0 | 0 | 0 | 0 |
| 14:00 - 14:15 | 0 | 0 | 0 | 0 |
| 14:15 - 14:30 | 0 | 0 | 0 | 0 |
| 14:30 - 14:45 | 0 | 0 | 0 | 1 |
| 14:45 - 15:00 | 0 | 1 | 0 | 0 |
| 15:00 - 15:15 | 0 | 0 | 0 | 0 |
| 15:15 - 15:30 | 7 | 8 | 0 | 0 |
| 15:30 - 15:45 | 0 | 0 | 0 | 0 |
| 15:45 - 16:00 | 0 | 0 | 0 | 0 |

| TIME | Weekday (09/05/2013) Eastbound | Weekday (09/05/2013) Westbound | Weekend (09/07/2013) Eastbound | Weekend (09/07/2013) Westbound |
|---|---|---|---|---|
| 16:00 - 16:15 | 0 | 0 | 0 | 0 |
| 16:15 - 16:30 | 0 | 1 | 0 | 0 |
| 16:30 - 16:45 | 0 | 0 | 0 | 1 |
| 16:45 - 17:00 | 0 | 2 | 0 | 0 |
| 17:00 - 17:15 | 0 | 0 | 0 | 0 |
| 17:15 - 17:30 | 0 | 0 | 0 | 0 |
| 17:30 - 17:45 | 0 | 0 | 0 | 0 |
| 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 18:15 - 18:30 | 0 | 0 | 0 | 0 |
| 18:30 - 18:45 | 0 | 0 | 0 | 0 |
| 18:45 - 19:00 | 0 | 2 | 0 | 0 |
| 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 19:15 - 19:30 | 0 | 0 | 0 | 0 |
| 19:30 - 19:45 | 0 | 0 | 0 | 1 |
| 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 20:30 - 20:45 | 0 | 0 | 0 | 1 |
| 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 22:45 - 23:00 | 0 | 1 | 0 | 1 |
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| **TOTAL** | **7** | **22** | **4** | **11** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 1 | 0 | 0 | 0 | 16:00 - 16:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 1 | 0 | 0 | 1 | 16:15 - 16:30 | 0 | 0 | 0 | 1 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 | 08:30 - 08:45 | 1 | 0 | 3 | 3 | 16:30 - 16:45 | 2 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 1 | 0 | 08:45 - 09:00 | 0 | 0 | 1 | 1 | 16:45 - 17:00 | 0 | 0 | 0 | 2 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 0 | 17:00 - 17:15 | 1 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 0 | 0 | 0 | 17:15 - 17:30 | 2 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 0 | 0 | 0 | 0 | 17:30 - 17:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 0 | 0 | 0 | 0 | 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 0 | 0 | 0 | 0 | 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 | 10:15 - 10:30 | 0 | 0 | 0 | 0 | 18:15 - 18:30 | 1 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 0 | 0 | 0 | 0 | 18:30 - 18:45 | 1 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 0 | 0 | 0 | 0 | 18:45 - 19:00 | 0 | 0 | 0 | 2 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 0 | 0 | 0 | 0 | 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 | 11:15 - 11:30 | 0 | 0 | 0 | 0 | 19:15 - 19:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 1 | 0 | 0 | 0 | 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 0 | 0 | 0 | 0 | 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 1 | 0 | 12:00 - 12:15 | 1 | 0 | 0 | 1 | 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 0 | 20:15 - 20:30 | 1 | 0 | 0 | 0 |
| 04:30 - 04:45 | 1 | 0 | 0 | 0 | 12:30 - 12:45 | 0 | 0 | 0 | 0 | 20:30 - 20:45 | 0 | 0 | 2 | 0 |
| 04:45 - 05:00 | 0 | 0 | 1 | 0 | 12:45 - 13:00 | 0 | 0 | 0 | 0 | 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 0 | 0 | 0 | 0 | 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 0 | 0 | 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 | 13:30 - 13:45 | 0 | 0 | 0 | 0 | 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 0 | 0 | 1 | 0 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 | 14:00 - 14:15 | 0 | 0 | 0 | 0 | 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 0 | 0 | 0 | 0 | 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 | 14:30 - 14:45 | 1 | 0 | 0 | 0 | 22:30 - 22:45 | 1 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 0 | 0 | 0 | 1 | 22:45 - 23:00 | 0 | 0 | 0 | 1 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 | 15:00 - 15:15 | 5 | 0 | 0 | 0 | 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 | 15:15 - 15:30 | 0 | 7 | 4 | 8 | 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 1 | 0 | 15:30 - 15:45 | 0 | 0 | 0 | 0 | 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 0 | 1 | 1 | 15:45 - 16:00 | 0 | 0 | 0 | 0 | 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | TOTAL | 21 | 7 | 16 | 22 |
| | | | | | | | | | | Difference | 14 | | -6 | |
| | | | | | | | | | | % Error | 200% | | -27% | |

## PEDESTRIAN COUNTS

## PEDESTRIAN DATA

| TIME | Weekday (09/05/2013) SOUTH | Weekday (09/05/2013) NORTH | Weekend (09/07/2013) SOUTH | Weekend (09/07/2013) NORTH | TIME | Weekday (09/05/2013) SOUTH | Weekday (09/05/2013) NORTH | Weekend (09/07/2013) SOUTH | Weekend (09/07/2013) NORTH | TIME | Weekday (09/05/2013) SOUTH | Weekday (09/05/2013) NORTH | Weekend (09/07/2013) SOUTH | Weekend (09/07/2013) NORTH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 1 | 0 | 0 | 08:00 - 08:15 | 3 | 2 | 0 | 2 | 16:00 - 16:15 | 2 | 4 | 0 | 5 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 18 | 22 | 0 | 2 | 16:15 - 16:30 | 2 | 2 | 3 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 | 08:30 - 08:45 | 11 | 12 | 0 | 5 | 16:30 - 16:45 | 0 | 2 | 0 | 0 |
| 00:45 - 01:00 | 0 | 2 | 0 | 0 | 08:45 - 09:00 | 6 | 8 | 2 | 0 | 16:45 - 17:00 | 0 | 0 | 0 | 2 |
| 01:00 - 01:15 | 0 | 1 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 5 | 17:00 - 17:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 0 | 2 | 2 | 17:15 - 17:30 | 2 | 1 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 0 | 0 | 0 | 2 | 17:30 - 17:45 | 0 | 1 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 0 | 0 | 0 | 2 | 17:45 - 18:00 | 0 | 0 | 3 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 0 | 0 | 2 | 0 | 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 | 10:15 - 10:30 | 0 | 0 | 2 | 0 | 18:15 - 18:30 | 0 | 0 | 0 | 2 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 0 | 0 | 0 | 0 | 18:30 - 18:45 | 2 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 0 | 1 | 2 | 0 | 18:45 - 19:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 0 | 0 | 0 | 0 | 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 | 11:15 - 11:30 | 0 | 0 | 2 | 0 | 19:15 - 19:30 | 3 | 2 | 2 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 2 | 2 | 0 | 0 | 19:30 - 19:45 | 0 | 3 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 2 | 0 | 0 | 0 | 19:45 - 20:00 | 0 | 2 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 2 | 0 | 20:00 - 20:15 | 3 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 2 | 20:15 - 20:30 | 0 | 3 | 0 | 0 |
| 04:30 - 04:45 | 0 | 2 | 0 | 0 | 12:30 - 12:45 | 0 | 0 | 0 | 0 | 20:30 - 20:45 | 1 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 0 | 0 | 0 | 0 | 20:45 - 21:00 | 1 | 1 | 1 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 0 | 0 | 0 | 0 | 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 0 | 0 | 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 | 13:30 - 13:45 | 0 | 0 | 0 | 0 | 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 0 | 0 | 2 | 2 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 1 | 0 | 0 | 14:00 - 14:15 | 0 | 1 | 0 | 0 | 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 3 | 0 | 14:15 - 14:30 | 0 | 0 | 0 | 2 | 22:15 - 22:30 | 0 | 0 | 2 | 0 |
| 06:30 - 06:45 | 0 | 1 | 0 | 2 | 14:30 - 14:45 | 8 | 2 | 0 | 0 | 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 2 | 0 | 14:45 - 15:00 | 3 | 6 | 2 | 0 | 22:45 - 23:00 | 0 | 0 | 2 | 0 |
| 07:00 - 07:15 | 0 | 1 | 0 | 0 | 15:00 - 15:15 | 43 | 1 | 0 | 2 | 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 2 | 2 | 15:15 - 15:30 | 22 | 71 | 2 | 2 | 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 | 15:30 - 15:45 | 3 | 1 | 2 | 0 | 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 0 | 0 | 0 | 15:45 - 16:00 | 5 | 0 | 2 | 2 | 23:45 - 24:00 | 0 | 0 | 0 | 0 |
|  |  |  |  |  |  |  |  |  |  | **TOTAL** | **138** | **159** | **35** | **50** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | | 1 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | | 0 |
| 00:45 - 01:00 | 0 | 0 | | 2 |
| 01:00 - 01:15 | 0 | 0 | | 1 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | | 0 |
| 01:45 - 02:00 | 0 | 0 | | 0 |
| 02:00 - 02:15 | 0 | 0 | | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | | 0 |
| 02:45 - 03:00 | 0 | 0 | | 0 |
| 03:00 - 03:15 | 0 | 0 | | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | | 0 |
| 03:45 - 04:00 | 0 | 0 | | 0 |
| 04:00 - 04:15 | 0 | 0 | | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | | 2 |
| 04:45 - 05:00 | 0 | 0 | | 0 |
| 05:00 - 05:15 | 0 | 0 | | 0 |
| 05:15 - 05:30 | 0 | 0 | 1 | 0 |
| 05:30 - 05:45 | 0 | 0 | | 0 |
| 05:45 - 06:00 | 0 | 0 | | 0 |
| 06:00 - 06:15 | 0 | 0 | | 1 |
| 06:15 - 06:30 | 0 | 0 | 1 | 0 |
| 06:30 - 06:45 | 0 | 0 | | 1 |
| 06:45 - 07:00 | 0 | 0 | | 0 |
| 07:00 - 07:15 | 0 | 0 | | 1 |
| 07:15 - 07:30 | 0 | 0 | 2 | 0 |
| 07:30 - 07:45 | 0 | 0 | | 0 |
| 07:45 - 08:00 | 0 | 0 | | 0 |

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 08:00 - 08:15 | 2 | 3 | | 2 |
| 08:15 - 08:30 | 12 | 18 | 19 | 22 |
| 08:30 - 08:45 | 7 | 11 | | 12 |
| 08:45 - 09:00 | 4 | 6 | | 8 |
| 09:00 - 09:15 | 0 | 0 | | 0 |
| 09:15 - 09:30 | 0 | 0 | 0 | 0 |
| 09:30 - 09:45 | 0 | 0 | | 0 |
| 09:45 - 10:00 | 0 | 0 | | 0 |
| 10:00 - 10:15 | 0 | 0 | | 0 |
| 10:15 - 10:30 | 0 | 0 | 0 | 0 |
| 10:30 - 10:45 | 0 | 0 | | 0 |
| 10:45 - 11:00 | 0 | 0 | | 1 |
| 11:00 - 11:15 | 0 | 0 | | 0 |
| 11:15 - 11:30 | 0 | 0 | 0 | 0 |
| 11:30 - 11:45 | 1 | 2 | | 2 |
| 11:45 - 12:00 | 1 | 2 | | 0 |
| 12:00 - 12:15 | 0 | 0 | | 0 |
| 12:15 - 12:30 | 0 | 0 | 2 | 0 |
| 12:30 - 12:45 | 0 | 0 | | 0 |
| 12:45 - 13:00 | 0 | 0 | | 0 |
| 13:00 - 13:15 | 0 | 0 | | 0 |
| 13:15 - 13:30 | 0 | 0 | 2 | 0 |
| 13:30 - 13:45 | 0 | 0 | | 0 |
| 13:45 - 14:00 | 0 | 0 | | 0 |
| 14:00 - 14:15 | 0 | 0 | | 1 |
| 14:15 - 14:30 | 0 | 0 | 4 | 0 |
| 14:30 - 14:45 | 5 | 8 | | 2 |
| 14:45 - 15:00 | 2 | 3 | | 6 |
| 15:00 - 15:15 | 28 | 43 | | 1 |
| 15:15 - 15:30 | 14 | 22 | 32 | 71 |
| 15:30 - 15:45 | 2 | 3 | | 1 |
| 15:45 - 16:00 | 3 | 5 | | 0 |

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 16:00 - 16:15 | 1 | 2 | | 4 |
| 16:15 - 16:30 | 1 | 2 | 0 | 2 |
| 16:30 - 16:45 | 0 | 0 | | 2 |
| 16:45 - 17:00 | 0 | 0 | | 0 |
| 17:00 - 17:15 | 0 | 0 | | 0 |
| 17:15 - 17:30 | 1 | 2 | 1 | 1 |
| 17:30 - 17:45 | 0 | 0 | | 1 |
| 17:45 - 18:00 | 0 | 0 | | 0 |
| 18:00 - 18:15 | 0 | 0 | | 0 |
| 18:15 - 18:30 | 0 | 0 | 1 | 0 |
| 18:30 - 18:45 | 1 | 2 | | 0 |
| 18:45 - 19:00 | 0 | 0 | | 0 |
| 19:00 - 19:15 | 0 | 0 | | 0 |
| 19:15 - 19:30 | 2 | 3 | 0 | 2 |
| 19:30 - 19:45 | 0 | 0 | | 3 |
| 19:45 - 20:00 | 0 | 0 | | 2 |
| 20:00 - 20:15 | 2 | 3 | | 0 |
| 20:15 - 20:30 | 0 | 0 | 1 | 3 |
| 20:30 - 20:45 | 1 | 1 | | 0 |
| 20:45 - 21:00 | 1 | 1 | | 1 |
| 21:00 - 21:15 | 0 | 0 | | 0 |
| 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | | 0 |
| 21:45 - 22:00 | 0 | 0 | | 0 |
| 22:00 - 22:15 | 0 | 0 | | 0 |
| 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 22:30 - 22:45 | 0 | 0 | | 0 |
| 22:45 - 23:00 | 0 | 0 | | 0 |
| 23:00 - 23:15 | 0 | 0 | | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | | 0 |
| 23:45 - 24:00 | 0 | 0 | | 0 |
| TOTAL | 90 | 138 | 66 | 159 |
| Difference | -48 | | -93 | |
| % Error | -35% | | -58% | |

# E. Harmon Ave. east of S. Maryland Pkwy.

Maryland Parkway

Harmon Ave.

Ped Counters

Bike Tubes

Video Camera

15m
65ft

GISMO

## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 66
- Total Weekend Bike Count: 23
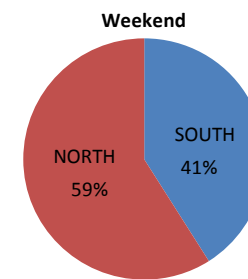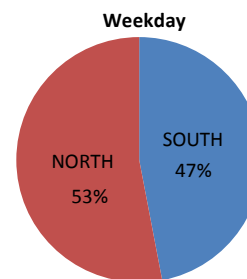- Total Bike Traffic for the Period Analyzed: 89
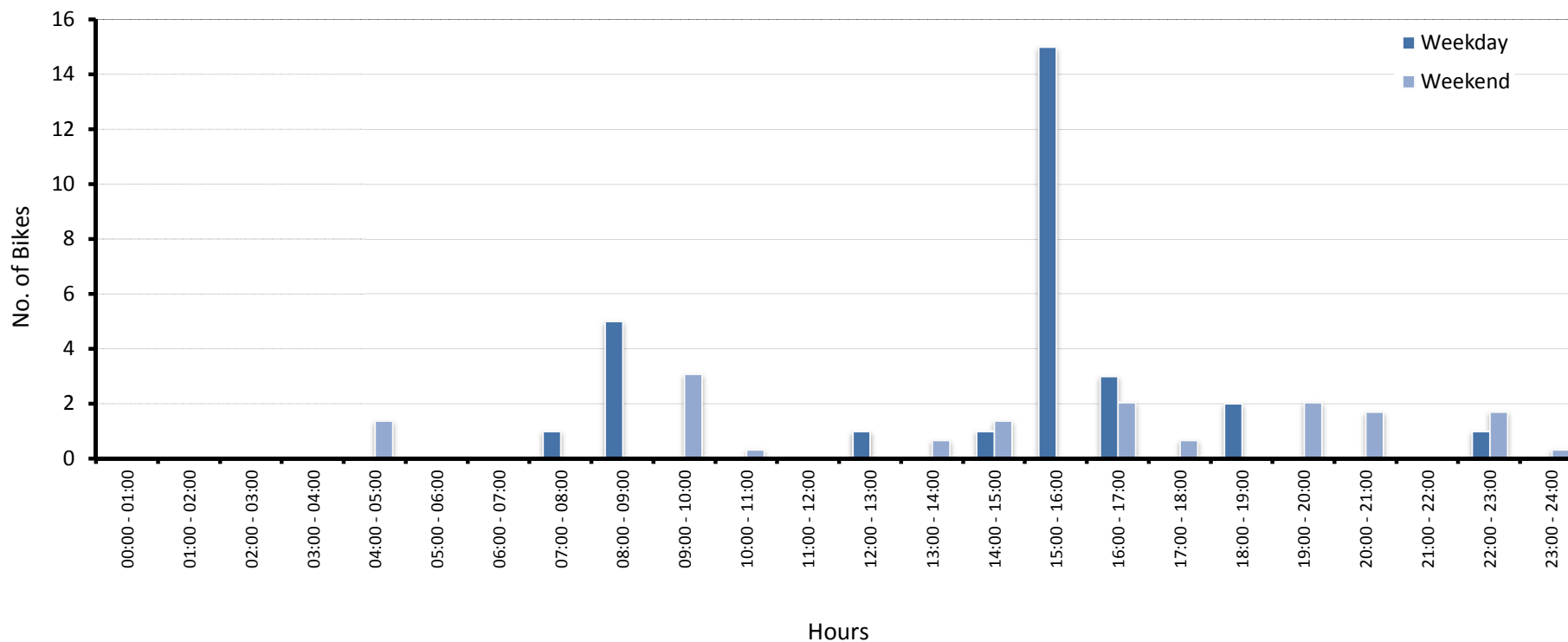
### Distribution by Direction

**Weekday**

Westbound 50%
Eastbound 50%

**Weekend**

Eastbound 26%
Westbound 74%
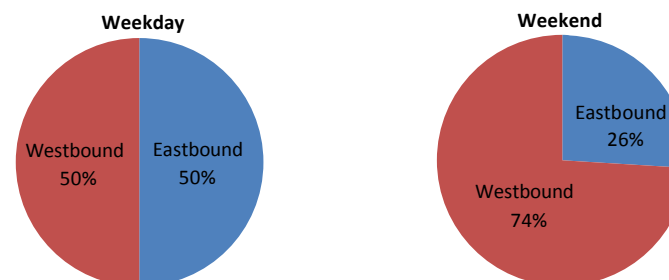
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 239
- Total Weekend Pedestrian Count: 142
- Total Pedestrian Traffic for the Period Analyzed: 381

### Distribution by Sidewalk Side

**Weekday**

NORTH 37%
SOUTH 63%

**Weekend**

NORTH 44%
SOUTH 56%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (05/23/2013) | | Weekend (05/25/2013) | |
|---|---|---|---|---|
| | Eastbound | Westbound | Eastbound | Westbound |
| 00:00 - 01:00 | 0 | 0 | 1 | 1 |
| 01:00 - 02:00 | 0 | 0 | 0 | 1 |
| 02:00 - 03:00 | 0 | 0 | 0 | 1 |
| 03:00 - 04:00 | 0 | 1 | 0 | 1 |
| 04:00 - 05:00 | 0 | 1 | 1 | 0 |
| 05:00 - 06:00 | 1 | 0 | 0 | 0 |
| 06:00 - 07:00 | 0 | 0 | 1 | 0 |
| 07:00 - 08:00 | 1 | 0 | 0 | 0 |
| 08:00 - 09:00 | 1 | 1 | 1 | 0 |
| 09:00 - 10:00 | 7 | 0 | 0 | 0 |
| 10:00 - 11:00 | 4 | 0 | 0 | 0 |
| 11:00 - 12:00 | 2 | 2 | 0 | 0 |
| 12:00 - 13:00 | 2 | 4 | 0 | 1 |
| 13:00 - 14:00 | 3 | 1 | 0 | 0 |
| 14:00 - 15:00 | 4 | 5 | 0 | 1 |
| 15:00 - 16:00 | 0 | 3 | 0 | 2 |
| 16:00 - 17:00 | 2 | 5 | 0 | 3 |
| 17:00 - 18:00 | 3 | 3 | 0 | 1 |
| 18:00 - 19:00 | 2 | 2 | 0 | 3 |
| 19:00 - 20:00 | 0 | 0 | 0 | 1 |
| 20:00 - 21:00 | 0 | 3 | 0 | 1 |
| 21:00 - 22:00 | 0 | 1 | 0 | 0 |
| 22:00 - 23:00 | 0 | 0 | 1 | 0 |
| 23:00 - 24:00 | 1 | 1 | 1 | 0 |
| **TOTAL** | **33** | **33** | **6** | **17** |

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 00:00 - 01:00 | 0 | 0 | 1 | 0 |
| 01:00 - 02:00 | 0 | 0 | 1 | 0 |
| 02:00 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 04:00 | 0 | 0 | 0 | 1 |
| 04:00 - 05:00 | 0 | 0 | 0 | 1 |
| 05:00 - 06:00 | 0 | 1 | 0 | 0 |
| 06:00 - 07:00 | 4 | 0 | 0 | 0 |
| 07:00 - 08:00 | 4 | 1 | 1 | 0 |
| 08:00 - 09:00 | 3 | 1 | 2 | 1 |
| 09:00 - 10:00 | 1 | 7 | 1 | 0 |
| 10:00 - 11:00 | 1 | 4 | 2 | 0 |
| 11:00 - 12:00 | 2 | 2 | 3 | 2 |
| 12:00 - 13:00 | 1 | 2 | 6 | 4 |
| 13:00 - 14:00 | 3 | 3 | 3 | 1 |
| 14:00 - 15:00 | 1 | 4 | 4 | 5 |
| 15:00 - 16:00 | 2 | 0 | 5 | 3 |
| 16:00 - 17:00 | 1 | 2 | 9 | 5 |
| 17:00 - 18:00 | 1 | 3 | 4 | 3 |
| 18:00 - 19:00 | 1 | 2 | 4 | 2 |
| 19:00 - 20:00 | 4 | 0 | 2 | 0 |
| 20:00 - 21:00 | 2 | 0 | 2 | 3 |
| 21:00 - 22:00 | 0 | 0 | 2 | 1 |
| 22:00 - 23:00 | 0 | 0 | 3 | 0 |
| 23:00 - 24:00 | 0 | 1 | 0 | 1 |
| TOTAL | 31 | 33 | 55 | 33 |
| Difference | -2 | | 22 | |
| % Error | -6% | | 67% | |

## PEDESTRIAN COUNTS
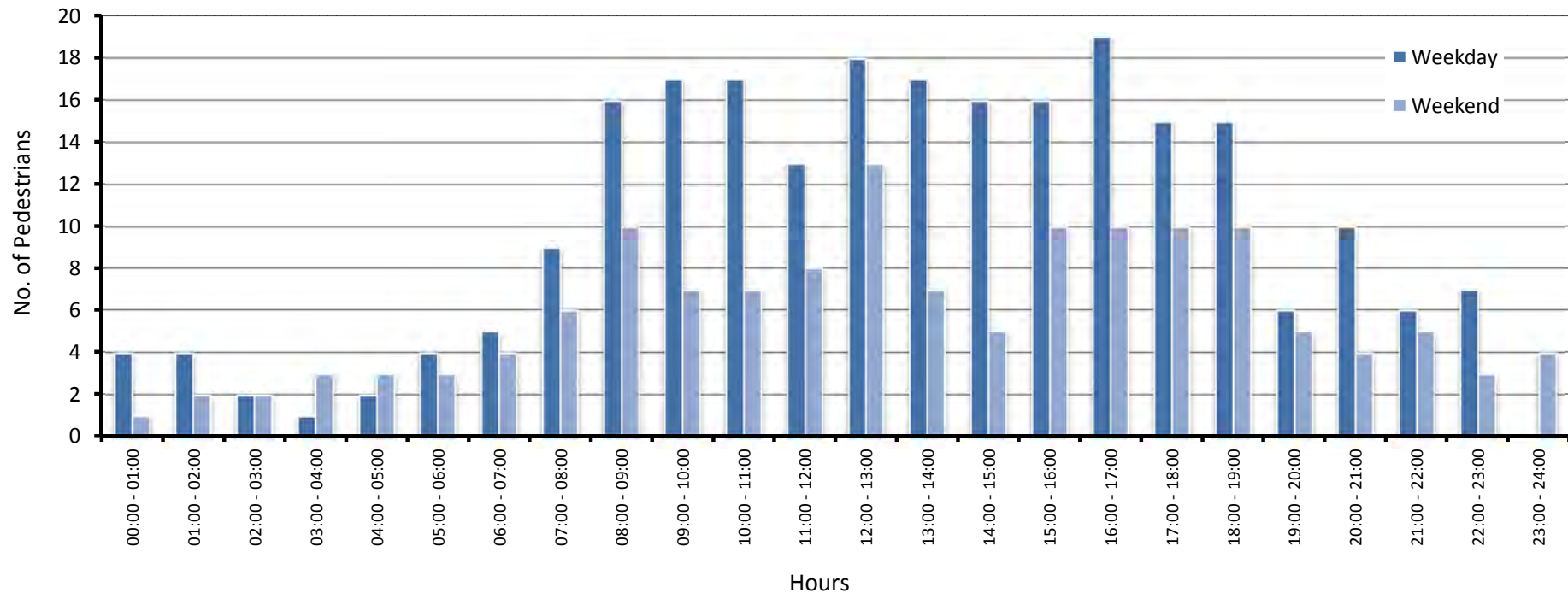
## PEDESTRIAN DATA

| TIME | Weekday (05/23/2013) | | Weekend (05/25/2013) | |
|---|---|---|---|---|
| | SOUTH | NORTH | SOUTH | NORTH |
| 00:00 - 01:00 | 1 | 3 | 1 | 0 |
| 01:00 - 02:00 | 2 | 2 | 0 | 2 |
| 02:00 - 03:00 | 1 | 1 | 0 | 2 |
| 03:00 - 04:00 | 0 | 1 | 0 | 3 |
| 04:00 - 05:00 | 0 | 2 | 1 | 2 |
| 05:00 - 06:00 | 1 | 3 | 2 | 1 |
| 06:00 - 07:00 | 3 | 2 | 1 | 3 |
| 07:00 - 08:00 | 6 | 3 | 4 | 2 |
| 08:00 - 09:00 | 15 | 1 | 7 | 3 |
| 09:00 - 10:00 | 9 | 8 | 4 | 3 |
| 10:00 - 11:00 | 10 | 7 | 6 | 1 |
| 11:00 - 12:00 | 11 | 2 | 4 | 4 |
| 12:00 - 13:00 | 15 | 3 | 9 | 4 |
| 13:00 - 14:00 | 13 | 4 | 5 | 2 |
| 14:00 - 15:00 | 6 | 10 | 5 | 0 |
| 15:00 - 16:00 | 8 | 8 | 6 | 4 |
| 16:00 - 17:00 | 15 | 4 | 6 | 4 |
| 17:00 - 18:00 | 11 | 4 | 3 | 7 |
| 18:00 - 19:00 | 12 | 3 | 7 | 3 |
| 19:00 - 20:00 | 3 | 3 | 1 | 4 |
| 20:00 - 21:00 | 5 | 5 | 3 | 1 |
| 21:00 - 22:00 | 3 | 3 | 1 | 4 |
| 22:00 - 23:00 | 1 | 6 | 1 | 2 |
| 23:00 - 24:00 | 0 | 0 | 2 | 2 |
| TOTAL | 151 | 88 | 79 | 63 |

## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|------|-------------|--------------|-------------|--------------|
| 00:00 - 01:00 | 1 | 1 | 0 | 3 |
| 01:00 - 02:00 | 1 | 2 | 0 | 2 |
| 02:00 - 03:00 | 0 | 1 | 0 | 1 |
| 03:00 - 04:00 | 0 | 0 | 0 | 1 |
| 04:00 - 05:00 | 0 | 0 | 0 | 2 |
| 05:00 - 06:00 | 0 | 1 | 0 | 3 |
| 06:00 - 07:00 | 1 | 3 | 1 | 2 |
| 07:00 - 08:00 | 1 | 6 | 2 | 3 |
| 08:00 - 09:00 | 0 | 15 | 2 | 1 |
| 09:00 - 10:00 | 1 | 9 | 2 | 8 |
| 10:00 - 11:00 | 4 | 10 | 0 | 7 |
| 11:00 - 12:00 | 0 | 11 | 2 | 2 |
| 12:00 - 13:00 | 2 | 15 | 5 | 3 |
| 13:00 - 14:00 | 3 | 13 | 4 | 4 |
| 14:00 - 15:00 | 3 | 6 | 5 | 10 |
| 15:00 - 16:00 | 3 | 8 | 6 | 8 |
| 16:00 - 17:00 | 2 | 15 | 1 | 4 |
| 17:00 - 18:00 | 2 | 11 | 2 | 4 |
| 18:00 - 19:00 | 2 | 12 | 1 | 3 |
| 19:00 - 20:00 | 0 | 3 | 0 | 3 |
| 20:00 - 21:00 | 0 | 5 | 1 | 5 |
| 21:00 - 22:00 | 1 | 3 | 0 | 3 |
| 22:00 - 23:00 | 0 | 1 | 0 | 6 |
| 23:00 - 24:00 | 0 | 0 | 0 | 0 |
| TOTAL | 27 | 151 | 34 | 88 |
| Difference | -124 | | -54 | |
| % Error | -82% | | -61% | |

# Hoover Ave. east of S. Casino Center

Hoover Ave.

Casino Center Blvd.

Video Camera

Ped Counters

Bike Tubes
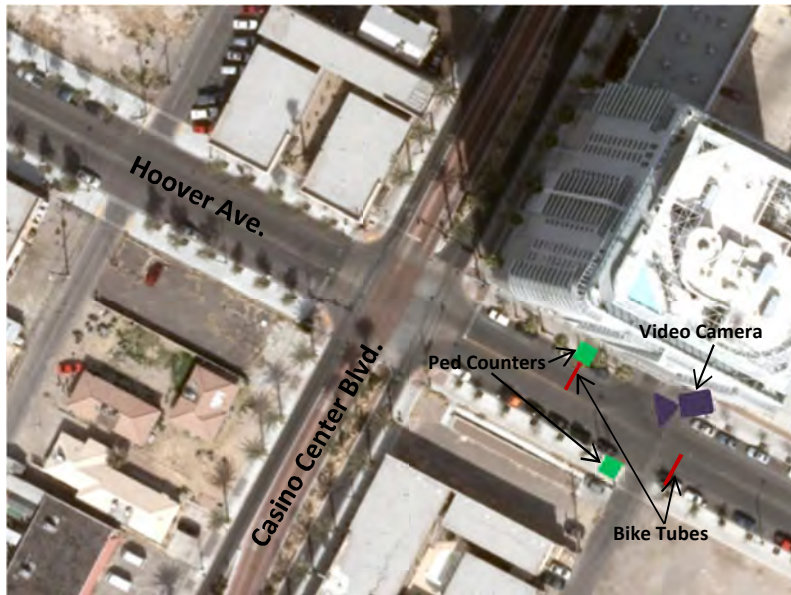
## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 28
- Total Weekend Bike Count: 15
- Total Bike Traffic for the Period Analyzed: 43

### Distribution by Direction

**Weekday**

Westbound 39%
Eastbound 61%

**Weekend**

Westbound 33%
Eastbound 67%
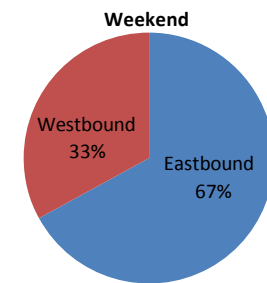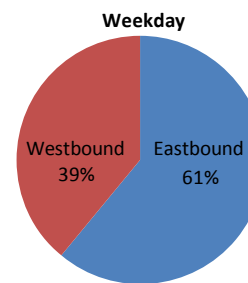
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 454
- Total Weekend Pedestrian Count: 418
- Total Pedestrian Traffic for the Period Analyzed: 872

### Distribution by Sidewalk Side

**Weekday**

NORTH 33%
SOUTH 67%

**Weekend**

NORTH 24%
SOUTH 76%

## BIKE COUNTS



Legend: Weekday, Weekend

Y-axis: No. of Bikes (0 to 5)
X-axis: Hours (00:00 - 01:00 through 23:00 - 24:00)
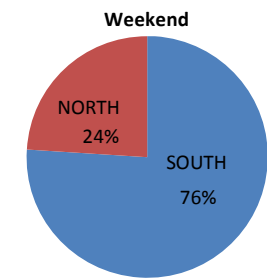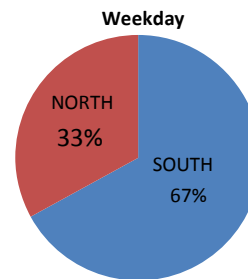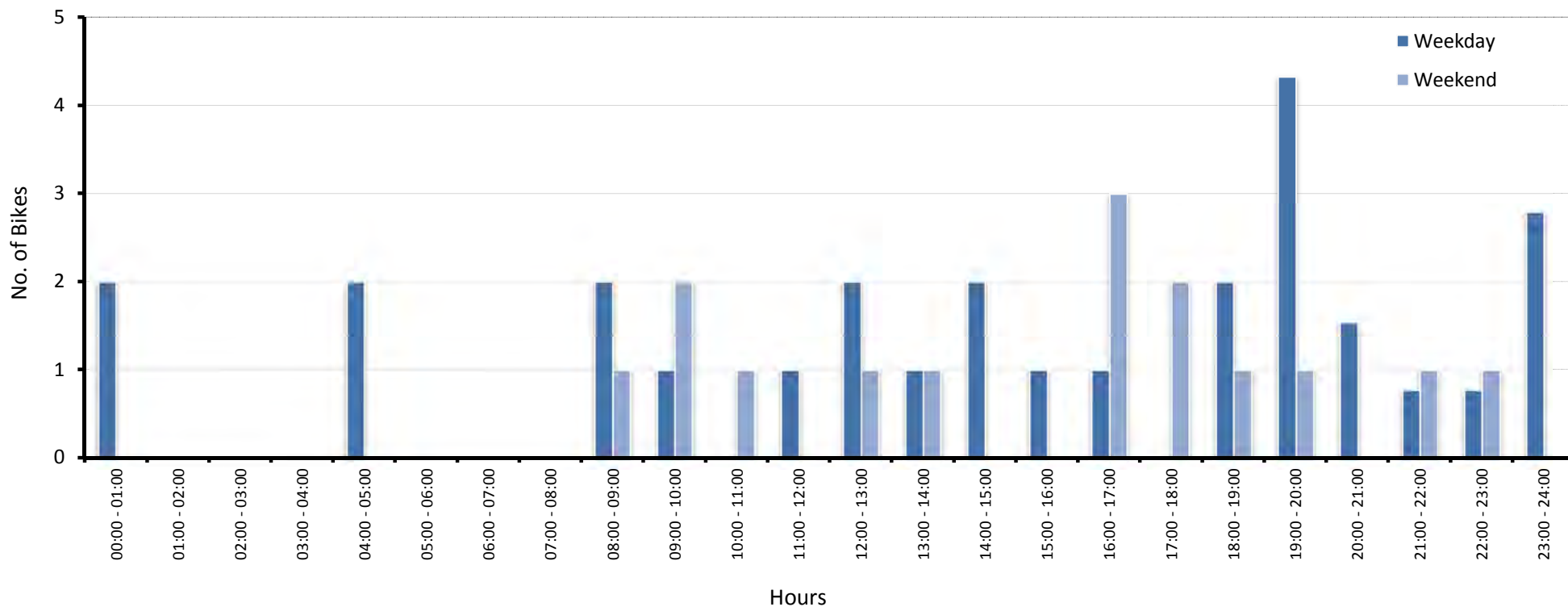
**BIKE DATA**

| TIME | Weekday (04/10/2013) | | Weekend (04/13/2013) | |
|---|---|---|---|---|
| | *East bound* | *West bound* | *East bound* | *West bound* |
| 00:00 - 01:00 | 1 | 1 | 0 | 0 |
| 01:00 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 05:00 | 1 | 1 | 0 | 0 |
| 05:00 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 07:00 | 0 | 0 | 0 | 0 |
| 07:00 - 08:00 | 0 | 0 | 0 | 0 |
| 08:00 - 09:00 | 1 | 1 | 1 | 0 |
| 09:00 - 10:00 | 1 | 0 | 0 | 2 |
| 10:00 - 11:00 | 0 | 0 | 1 | 0 |
| 11:00 - 12:00 | 1 | 0 | 0 | 0 |
| 12:00 - 13:00 | 1 | 1 | 1 | 0 |
| 13:00 - 14:00 | 1 | 0 | 0 | 1 |
| 14:00 - 15:00 | 1 | 1 | 0 | 0 |
| 15:00 - 16:00 | 0 | 1 | 0 | 0 |
| 16:00 - 17:00 | 0 | 1 | 2 | 1 |
| 17:00 - 18:00 | 0 | 0 | 2 | 0 |
| 18:00 - 19:00 | 1 | 1 | 1 | 0 |
| 19:00 - 20:00 | 3 | 1 | 1 | 0 |
| 20:00 - 21:00 | 2 | 0 | 0 | 0 |
| 21:00 - 22:00 | 1 | 0 | 0 | 1 |
| 22:00 - 23:00 | 1 | 0 | 1 | 0 |
| 23:00 - 24:00 | 2 | 1 | 0 | 0 |
| **TOTAL** | **17** | **11** | **10** | **5** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 00:00 - 01:00 | 1 | 0 | 0 | 0 |
| 01:00 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 07:00 | 0 | 0 | 0 | 0 |
| 07:00 - 08:00 | 0 | 0 | 0 | 0 |
| 08:00 - 09:00 | 1 | 1 | 0 | 0 |
| 09:00 - 10:00 | 0 | 0 | 0 | 2 |
| 10:00 - 11:00 | 2 | 1 | 0 | 0 |
| 11:00 - 12:00 | 0 | 0 | 0 | 0 |
| 12:00 - 13:00 | 0 | 1 | 0 | 0 |
| 13:00 - 14:00 | 2 | 0 | 2 | 1 |
| 14:00 - 15:00 | 2 | 0 | 0 | 0 |
| 15:00 - 16:00 | 0 | 0 | 1 | 0 |
| 16:00 - 17:00 | 3 | 2 | 0 | 1 |
| 17:00 - 18:00 | 0 | 2 | 0 | 0 |
| 18:00 - 19:00 | 0 | 1 | 0 | 0 |
| 19:00 - 20:00 | 1 | 1 | 0 | 0 |
| 20:00 - 21:00 | 0 | 0 | 0 | 0 |
| 21:00 - 22:00 | 0 | 0 | 1 | 1 |
| 22:00 - 23:00 | 1 | 1 | 0 | 0 |
| 23:00 - 24:00 | 0 | 0 | 0 | 0 |
| TOTAL | 13 | 10 | 4 | 5 |
| Difference | 3 | | -1 | |
| % Error | 30% | | -20% | |

## PEDESTRIAN COUNTS
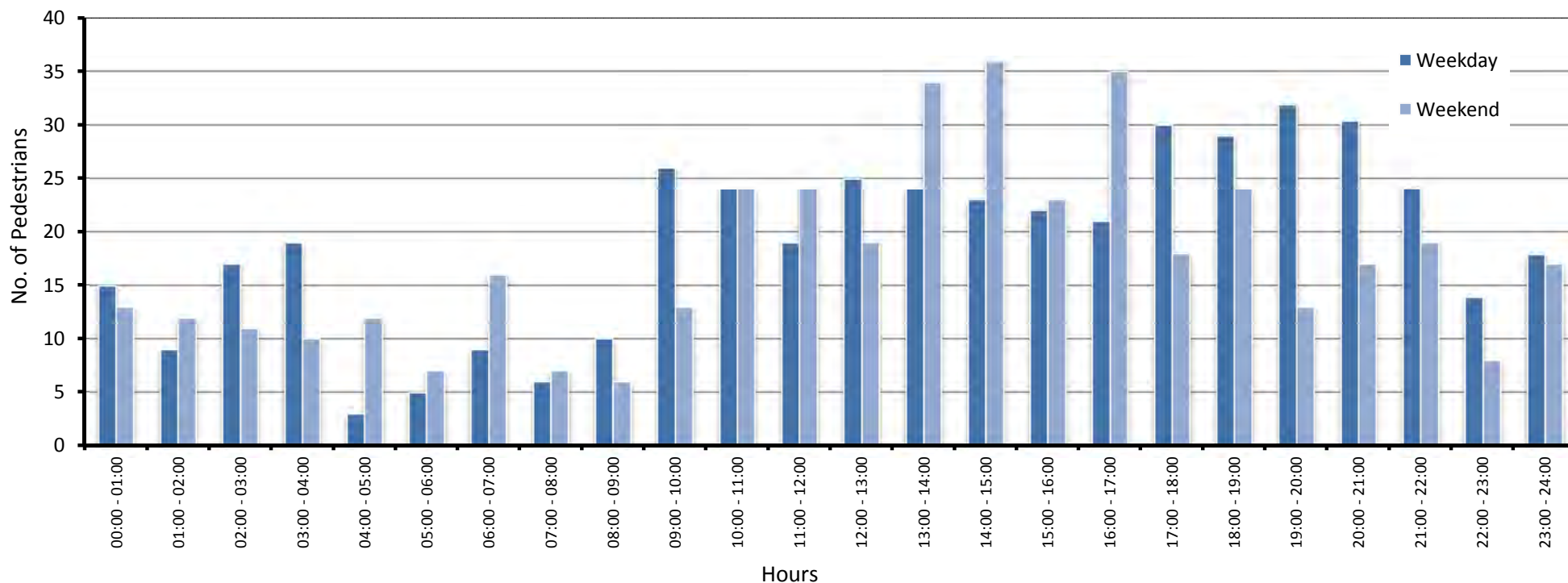
## PEDESTRIAN DATA

| TIME | Weekday (04/10/2013) | | Weekend (04/13/2013) | |
|---|---|---|---|---|
| | *SOUTH* | *NORTH* | *SOUTH* | *NORTH* |
| 00:00 - 01:00 | 12 | 3 | 9 | 4 |
| 01:00 - 02:00 | 5 | 4 | 9 | 3 |
| 02:00 - 03:00 | 14 | 3 | 8 | 3 |
| 03:00 - 04:00 | 12 | 7 | 8 | 2 |
| 04:00 - 05:00 | 2 | 1 | 11 | 1 |
| 05:00 - 06:00 | 1 | 4 | 5 | 2 |
| 06:00 - 07:00 | 6 | 3 | 7 | 9 |
| 07:00 - 08:00 | 1 | 5 | 7 | 0 |
| 08:00 - 09:00 | 6 | 4 | 3 | 3 |
| 09:00 - 10:00 | 12 | 14 | 9 | 4 |
| 10:00 - 11:00 | 15 | 9 | 21 | 3 |
| 11:00 - 12:00 | 13 | 6 | 23 | 1 |
| 12:00 - 13:00 | 21 | 4 | 18 | 1 |
| 13:00 - 14:00 | 17 | 7 | 22 | 12 |
| 14:00 - 15:00 | 15 | 8 | 28 | 8 |
| 15:00 - 16:00 | 21 | 1 | 18 | 5 |
| 16:00 - 17:00 | 15 | 6 | 27 | 8 |
| 17:00 - 18:00 | 16 | 14 | 13 | 5 |
| 18:00 - 19:00 | 20 | 9 | 21 | 3 |
| 19:00 - 20:00 | 28 | 4 | 10 | 3 |
| 20:00 - 21:00 | 17 | 13 | 8 | 9 |
| 21:00 - 22:00 | 11 | 13 | 10 | 9 |
| 22:00 - 23:00 | 11 | 3 | 6 | 2 |
| 23:00 - 24:00 | 15 | 3 | 15 | 2 |
| **TOTAL** | **306** | **148** | **316** | **102** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 00:00 - 01:00 | 13 | 9 | 1 | 4 |
| 01:00 - 02:00 | 10 | 9 | 1 | 3 |
| 02:00 - 03:00 | 7 | 8 | 3 | 3 |
| 03:00 - 04:00 | 5 | 8 | 0 | 2 |
| 04:00 - 05:00 | 8 | 11 | 2 | 1 |
| 05:00 - 06:00 | 5 | 5 | 3 | 2 |
| 06:00 - 07:00 | 9 | 7 | 8 | 9 |
| 07:00 - 08:00 | 10 | 7 | 4 | 0 |
| 08:00 - 09:00 | 10 | 3 | 3 | 3 |
| 09:00 - 10:00 | 12 | 9 | 4 | 4 |
| 10:00 - 11:00 | 26 | 21 | 4 | 3 |
| 11:00 - 12:00 | 32 | 23 | 0 | 1 |
| 12:00 - 13:00 | 18 | 18 | 0 | 1 |
| 13:00 - 14:00 | 28 | 22 | 10 | 12 |
| 14:00 - 15:00 | 32 | 28 | 7 | 8 |
| 15:00 - 16:00 | 25 | 18 | 3 | 5 |
| 16:00 - 17:00 | 25 | 27 | 1 | 8 |
| 17:00 - 18:00 | 34 | 13 | 1 | 5 |
| 18:00 - 19:00 | 27 | 21 | 1 | 3 |
| 19:00 - 20:00 | 12 | 10 | 3 | 3 |
| 20:00 - 21:00 | 11 | 8 | 5 | 9 |
| 21:00 - 22:00 | 13 | 10 | 7 | 9 |
| 22:00 - 23:00 | 17 | 6 | 3 | 2 |
| 23:00 - 24:00 | 13 | 15 | 1 | 2 |
| TOTAL | 402 | 316 | 75 | 102 |
| Difference | 86 | | -27 | |
| **% Error** | **27%** | | **-26%** | |

# W. Horizon Ridge Parkway east of S. Stephanie St.

## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 58
- Total Weekend Bike Count: 115
- Total Bike Traffic for the Period Analyzed: 173

### Distribution by Direction



**Weekday**

- Eastbound 38%
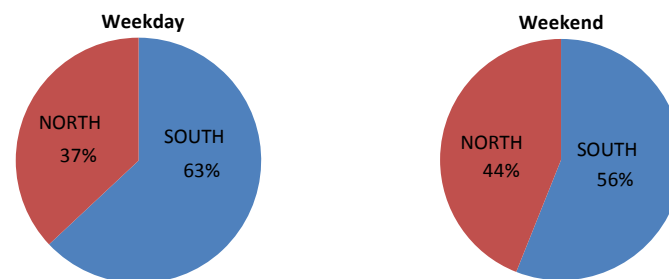- Westbound 62%
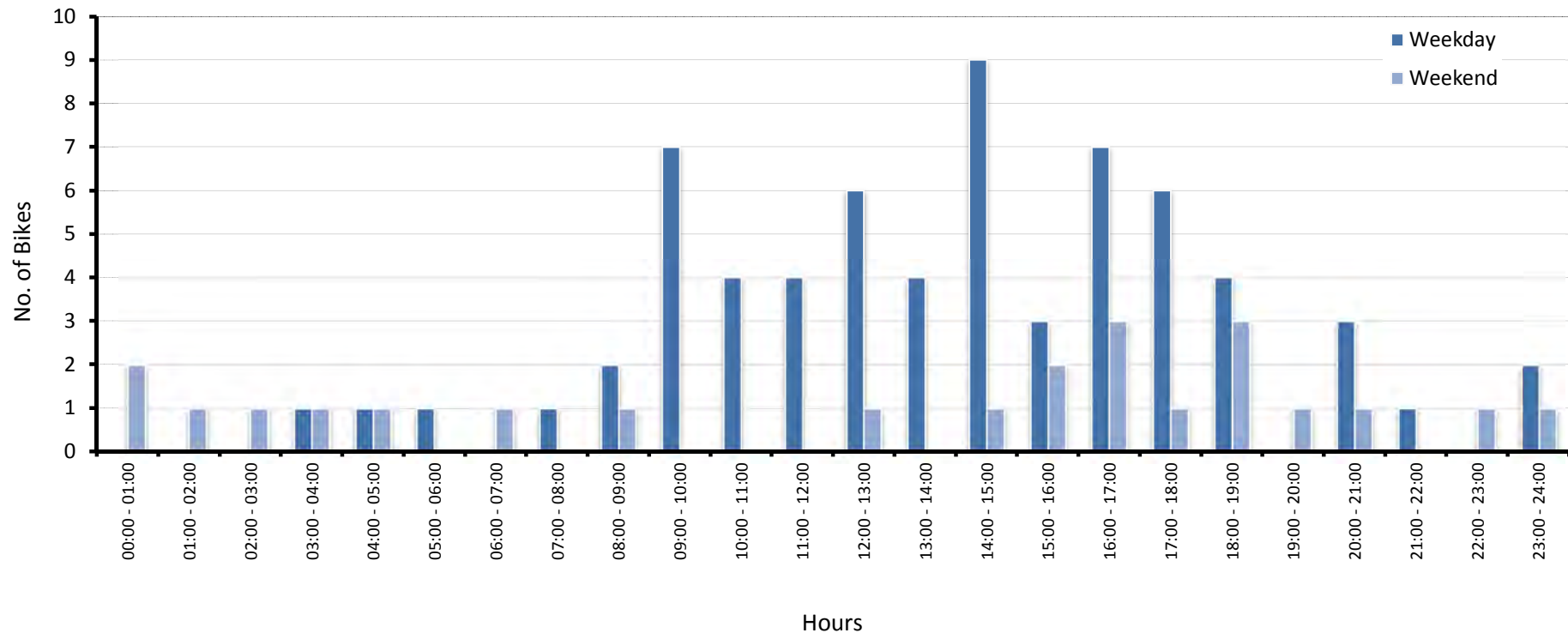
**Weekend**

- Eastbound 59%
- Westbound 41%
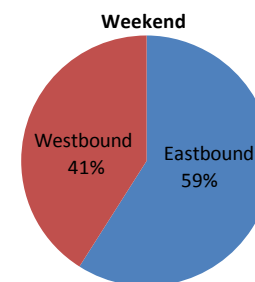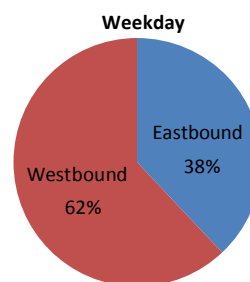
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 163
- Total Weekend Pedestrian Count: 180
- Total Pedestrian Traffic for the Period Analyzed: 343

### Distribution by Sidewalk Side



**Weekday**

- SOUTH 30%
- NORTH 70%

**Weekend**

- SOUTH 25%
- NORTH 75%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (05/02/2013) Eastbound | Weekday (05/02/2013) Westbound | Weekend (05/04/2013) Eastbound | Weekend (05/04/2013) Westbound |
|---|---|---|---|---|
| 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 20:30 - 20:45 | 0 | 0 | 1 | 0 |
| 20:45 - 21:00 | 0 | 0 | 3 | 0 |
| 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |

| TIME | Weekday (05/02/2013) Eastbound | Weekday (05/02/2013) Westbound | Weekend (05/04/2013) Eastbound | Weekend (05/04/2013) Westbound |
|---|---|---|---|---|
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 1 | 0 | 0 | 0 |
| 04:45 - 05:00 | 3 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 2 | 0 | 2 | 1 |
| 05:45 - 06:00 | 1 | 2 | 2 | 0 |
| 06:00 - 06:15 | 0 | 2 | 1 | 0 |
| 06:15 - 06:30 | 0 | 4 | 2 | 1 |
| 06:30 - 06:45 | 0 | 0 | 0 | 2 |
| 06:45 - 07:00 | 0 | 0 | 1 | 1 |
| 07:00 - 07:15 | 0 | 0 | 1 | 2 |
| 07:15 - 07:30 | 2 | 2 | 6 | 2 |
| 07:30 - 07:45 | 1 | 0 | 2 | 1 |
| 07:45 - 08:00 | 2 | 0 | 5 | 2 |
| 08:00 - 08:15 | 0 | 2 | 2 | 5 |
| 08:15 - 08:30 | 0 | 0 | 3 | 1 |
| 08:30 - 08:45 | 0 | 2 | 4 | 1 |
| 08:45 - 09:00 | 0 | 0 | 2 | 2 |
| 09:00 - 09:15 | 1 | 2 | 1 | 3 |
| 09:15 - 09:30 | 0 | 2 | 3 | 0 |
| 09:30 - 09:45 | 3 | 0 | 4 | 4 |
| 09:45 - 10:00 | 0 | 4 | 0 | 4 |
| 10:00 - 10:15 | 0 | 0 | 0 | 0 |
| 10:15 - 10:30 | 0 | 0 | 0 | 1 |
| 10:30 - 10:45 | 0 | 0 | 0 | 1 |
| 10:45 - 11:00 | 0 | 0 | 1 | 0 |
| 11:00 - 11:15 | 0 | 0 | 0 | 0 |
| 11:15 - 11:30 | 0 | 0 | 1 | 0 |
| 11:30 - 11:45 | 0 | 2 | 1 | 0 |
| 11:45 - 12:00 | 0 | 0 | 0 | 2 |

| TIME | Weekday (05/02/2013) Eastbound | Weekday (05/02/2013) Westbound | Weekend (05/04/2013) Eastbound | Weekend (05/04/2013) Westbound |
|---|---|---|---|---|
| 12:00 - 12:15 | 0 | 0 | 3 | 0 |
| 12:15 - 12:30 | 0 | 0 | 1 | 0 |
| 12:30 - 12:45 | 0 | 2 | 1 | 2 |
| 12:45 - 13:00 | 0 | 0 | 0 | 2 |
| 13:00 - 13:15 | 0 | 0 | 1 | 0 |
| 13:15 - 13:30 | 0 | 0 | 0 | 0 |
| 13:30 - 13:45 | 0 | 0 | 0 | 0 |
| 13:45 - 14:00 | 0 | 0 | 1 | 0 |
| 14:00 - 14:15 | 0 | 0 | 0 | 0 |
| 14:15 - 14:30 | 0 | 0 | 0 | 2 |
| 14:30 - 14:45 | 0 | 0 | 1 | 0 |
| 14:45 - 15:00 | 0 | 0 | 0 | 0 |
| 15:00 - 15:15 | 0 | 0 | 1 | 0 |
| 15:15 - 15:30 | 2 | 0 | 1 | 2 |
| 15:30 - 15:45 | 0 | 0 | 0 | 0 |
| 15:45 - 16:00 | 0 | 0 | 0 | 0 |
| 16:00 - 16:15 | 0 | 0 | 0 | 0 |
| 16:15 - 16:30 | 0 | 0 | 0 | 0 |
| 16:30 - 16:45 | 0 | 0 | 0 | 0 |
| 16:45 - 17:00 | 0 | 0 | 0 | 0 |
| 17:00 - 17:15 | 0 | 4 | 0 | 0 |
| 17:15 - 17:30 | 1 | 0 | 1 | 0 |
| 17:30 - 17:45 | 1 | 0 | 0 | 0 |
| 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 18:15 - 18:30 | 0 | 2 | 0 | 2 |
| 18:30 - 18:45 | 1 | 4 | 0 | 0 |
| 18:45 - 19:00 | 0 | 0 | 0 | 0 |
| 19:00 - 19:15 | 0 | 0 | 1 | 0 |
| 19:15 - 19:30 | 0 | 2 | 0 | 2 |
| 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 19:45 - 20:00 | 0 | 0 | 3 | 0 |
| **TOTAL** | **22** | **36** | **68** | **47** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 1 | 0 | 0 | 0 |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 05:30 - 05:45 | 1 | 2 | 0 | 1 |
| 05:45 - 06:00 | 0 | 2 | 0 | 0 |
| 06:00 - 06:15 | 1 | 1 | 0 | 0 |
| 06:15 - 06:30 | 1 | 2 | 2 | 1 |
| 06:30 - 06:45 | 0 | 0 | 1 | 2 |
| 06:45 - 07:00 | 1 | 1 | 1 | 1 |
| 07:00 - 07:15 | 0 | 1 | 1 | 2 |
| 07:15 - 07:30 | 5 | 6 | 1 | 2 |
| 07:30 - 07:45 | 1 | 2 | 1 | 1 |
| 07:45 - 08:00 | 3 | 5 | 1 | 2 |
| 08:00 - 08:15 | 1 | 2 | 4 | 5 |
| 08:15 - 08:30 | 0 | 3 | 0 | 1 |
| 08:30 - 08:45 | 5 | 4 | 0 | 1 |
| 08:45 - 09:00 | 2 | 2 | 0 | 2 |
| 09:00 - 09:15 | 1 | 1 | 2 | 3 |
| 09:30 - 09:45 | 4 | 4 | 2 | 4 |
| 10:00 - 10:15 | 0 | 0 | 0 | 0 |
| 10:15 - 10:30 | 0 | 0 | 0 | 1 |
| 10:30 - 10:45 | 0 | 0 | 0 | 1 |
| **TOTAL** | 27 | 38 | 16 | 30 |
| **Difference** | -11 | | -14 | |
| **% Error** | **-29%** | | **-47%** | |

## PEDESTRIAN COUNTS

# PEDESTRIAN DATA

| TIME | Weekday (05/02/2013) SOUTH | Weekday (05/02/2013) NORTH | Weekend (05/04/2013) SOUTH | Weekend (05/04/2013) NORTH |
|---|---|---|---|---|
| 20:00 - 20:15 | 3 | 1 | 1 | |
| 20:15 - 20:30 | 0 | 1 | 1 | 9 |
| 20:30 - 20:45 | 3 | 0 | 1 | |
| 20:45 - 21:00 | 0 | 3 | 0 | |
| 21:00 - 21:15 | 1 | 4 | 0 | 7 |
| 21:15 - 21:30 | 0 | 5 | 0 | |
| 21:30 - 21:45 | 1 | 0 | 0 | |
| 21:45 - 22:00 | 0 | 2 | 0 | |
| 22:00 - 22:15 | 0 | 0 | 1 | 3 |
| 22:15 - 22:30 | 0 | 0 | 6 | |
| 22:30 - 22:45 | 0 | 0 | 0 | |
| 22:45 - 23:00 | 0 | 0 | 1 | |
| 23:00 - 23:15 | 0 | 1 | 1 | 1 |
| 23:15 - 23:30 | 0 | | 1 | 0 |
| 23:30 - 23:45 | 1 | | 0 | 0 |
| 23:45 - 24:00 | 2 | 0 | 0 | 0 |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 1 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 1 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | |
| 03:30 - 03:45 | 0 | 0 | 0 | |
| 03:45 - 04:00 | 0 | 0 | 0 | |

| TIME | Weekday (05/02/2013) SOUTH | Weekday (05/02/2013) NORTH | Weekend (05/04/2013) SOUTH | Weekend (05/04/2013) NORTH |
|---|---|---|---|---|
| 04:00 - 04:15 | 0 | | 0 | |
| 04:15 - 04:30 | 0 | 4 | 0 | 2 |
| 04:30 - 04:45 | 1 | | 0 | |
| 04:45 - 05:00 | 0 | | 0 | |
| 05:00 - 05:15 | 2 | | 0 | 1 |
| 05:15 - 05:30 | 0 | 9 | 0 | 2 |
| 05:30 - 05:45 | 0 | | 0 | 0 |
| 05:45 - 06:00 | 1 | | 2 | 2 |
| 06:00 - 06:15 | 0 | | 2 | 1 |
| 06:15 - 06:30 | 0 | 4 | 1 | 1 |
| 06:30 - 06:45 | 1 | | 2 | 0 |
| 06:45 - 07:00 | 3 | | 1 | 0 |
| 07:00 - 07:15 | 3 | | 0 | 2 |
| 07:15 - 07:30 | 1 | 2 | 2 | 3 |
| 07:30 - 07:45 | 1 | | 3 | 2 |
| 07:45 - 08:00 | 0 | | 2 | 1 |
| 08:00 - 08:15 | 2 | | 0 | 1 |
| 08:15 - 08:30 | 1 | 12 | 2 | 1 |
| 08:30 - 08:45 | 0 | | 0 | 2 |
| 08:45 - 09:00 | 0 | | 1 | 3 |
| 09:00 - 09:15 | 1 | | 1 | |
| 09:15 - 09:30 | 0 | 6 | 0 | 14 |
| 09:30 - 09:45 | 0 | | 0 | |
| 09:45 - 10:00 | 0 | | 2 | |
| 10:00 - 10:15 | 2 | | 0 | |
| 10:15 - 10:30 | 0 | 7 | 0 | 13 |
| 10:30 - 10:45 | 0 | | 0 | |
| 10:45 - 11:00 | 0 | | 0 | |
| 11:00 - 11:15 | 0 | | 0 | |
| 11:15 - 11:30 | 0 | 4 | 0 | 8 |
| 11:30 - 11:45 | 0 | | 0 | |
| 11:45 - 12:00 | 0 | | 1 | |

| TIME | Weekday (05/02/2013) SOUTH | Weekday (05/02/2013) NORTH | Weekend (05/04/2013) SOUTH | Weekend (05/04/2013) NORTH |
|---|---|---|---|---|
| 12:00 - 12:15 | 0 | | 1 | |
| 12:15 - 12:30 | 0 | 4 | 0 | 11 |
| 12:30 - 12:45 | 0 | | 0 | |
| 12:45 - 13:00 | 0 | | 1 | |
| 13:00 - 13:15 | 0 | | 0 | |
| 13:15 - 13:30 | 1 | 3 | 0 | 13 |
| 13:30 - 13:45 | 3 | | 0 | |
| 13:45 - 14:00 | 0 | | 0 | |
| 14:00 - 14:15 | 0 | | 0 | |
| 14:15 - 14:30 | 0 | 9 | 0 | 1 |
| 14:30 - 14:45 | 0 | | 0 | |
| 14:45 - 15:00 | 0 | | 1 | |
| 15:00 - 15:15 | 1 | | 0 | |
| 15:15 - 15:30 | 0 | 2 | 0 | 6 |
| 15:30 - 15:45 | 0 | | 0 | |
| 15:45 - 16:00 | 1 | | 0 | |
| 16:00 - 16:15 | 0 | | 0 | |
| 16:15 - 16:30 | 0 | 5 | 0 | 4 |
| 16:30 - 16:45 | 1 | | 0 | |
| 16:45 - 17:00 | 0 | | 1 | |
| 17:00 - 17:15 | 0 | | 0 | |
| 17:15 - 17:30 | 0 | 2 | 0 | 5 |
| 17:30 - 17:45 | 0 | | 0 | |
| 17:45 - 18:00 | 0 | | 0 | |
| 18:00 - 18:15 | 1 | | 1 | |
| 18:15 - 18:30 | 2 | 13 | 0 | 6 |
| 18:30 - 18:45 | 1 | | 0 | |
| 18:45 - 19:00 | 1 | | 1 | |
| 19:00 - 19:15 | 1 | | 0 | |
| 19:15 - 19:30 | 0 | 12 | 0 | 8 |
| 19:30 - 19:45 | 1 | | 1 | |
| 19:45 - 20:00 | 1 | | 0 | |
| **TOTAL** | **49** | **114** | **44** | **136** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 23:00 - 23:15 | 1 | 1 | | 1 |
| 23:15 - 23:30 | 0 | 1 | 1 | 0 |
| 23:30 - 23:45 | 0 | 0 | | 0 |
| 23:45 - 24:00 | 0 | 0 | | 0 |
| 00:00 - 00:15 | 0 | 0 | | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | | 0 |
| 00:45 - 01:00 | 1 | 0 | | 0 |
| 01:00 - 01:15 | 0 | 0 | | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | | 0 |
| 01:45 - 02:00 | 0 | 0 | | 0 |
| 02:00 - 02:15 | 0 | 0 | | 0 |
| 02:15 - 02:30 | 0 | 0 | 1 | 0 |
| 02:30 - 02:45 | 0 | 0 | | 0 |
| 02:45 - 03:00 | 0 | 0 | | 1 |
| 05:00 - 05:15 | 0 | 0 | | 1 |
| 05:15 - 05:30 | 0 | 0 | 5 | 2 |
| 05:30 - 05:45 | 2 | 0 | | 0 |
| 05:45 - 06:00 | 2 | 2 | | 2 |
| 06:00 - 06:15 | 1 | 2 | | 1 |
| 06:15 - 06:30 | 1 | 1 | 2 | 1 |
| 06:30 - 06:45 | 0 | 2 | | 0 |
| 06:45 - 07:00 | 0 | 1 | | 0 |
| 07:00 - 07:15 | 1 | 0 | | 2 |
| 07:15 - 07:30 | 3 | 2 | 8 | 3 |
| 07:30 - 07:45 | 1 | 3 | | 2 |
| 07:45 - 08:00 | 2 | 2 | | 1 |
| 08:00 - 08:15 | 0 | 0 | | 1 |
| 08:15 - 08:30 | 1 | 2 | 6 | 1 |
| 08:30 - 08:45 | 0 | 0 | | 2 |
| 08:45 - 09:00 | 2 | 1 | | 3 |
| TOTAL | 18 | 21 | 23 | 24 |
| Difference | -3 | | -1 | |
| % Error | -14% | | -4% | |

# E. Lake Mead Parkway east of Boulder Highway

### BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 50
- Total Weekend Bike Count: 32
- Total Bike Traffic for the Period Analyzed: 82

**Distribution by Direction**



Weekday
- Eastbound 42%
- Westbound 58%

Weekend
- Eastbound 54%
- Westbound 46%
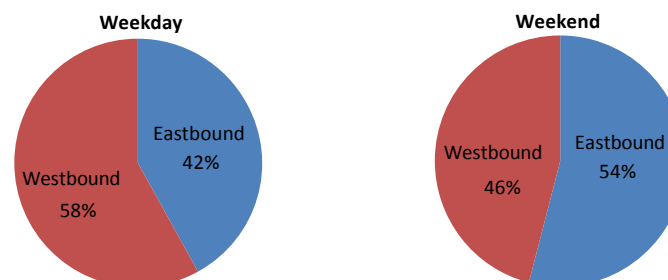
### PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 153
- Total Weekend Pedestrian Count: 154
- Total Pedestrian Traffic for the Period Analyzed: 307

**Distribution by Sidewalk Side**



Weekday
- SOUTH 26%
- NORTH 74%

Weekend
- SOUTH 13%
- NORTH 87%

## BIKE COUNTS

## BIKE DATA

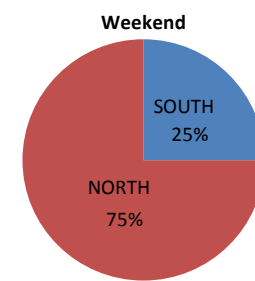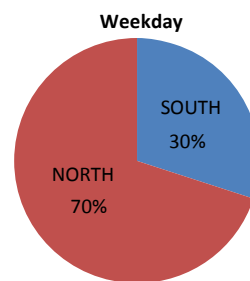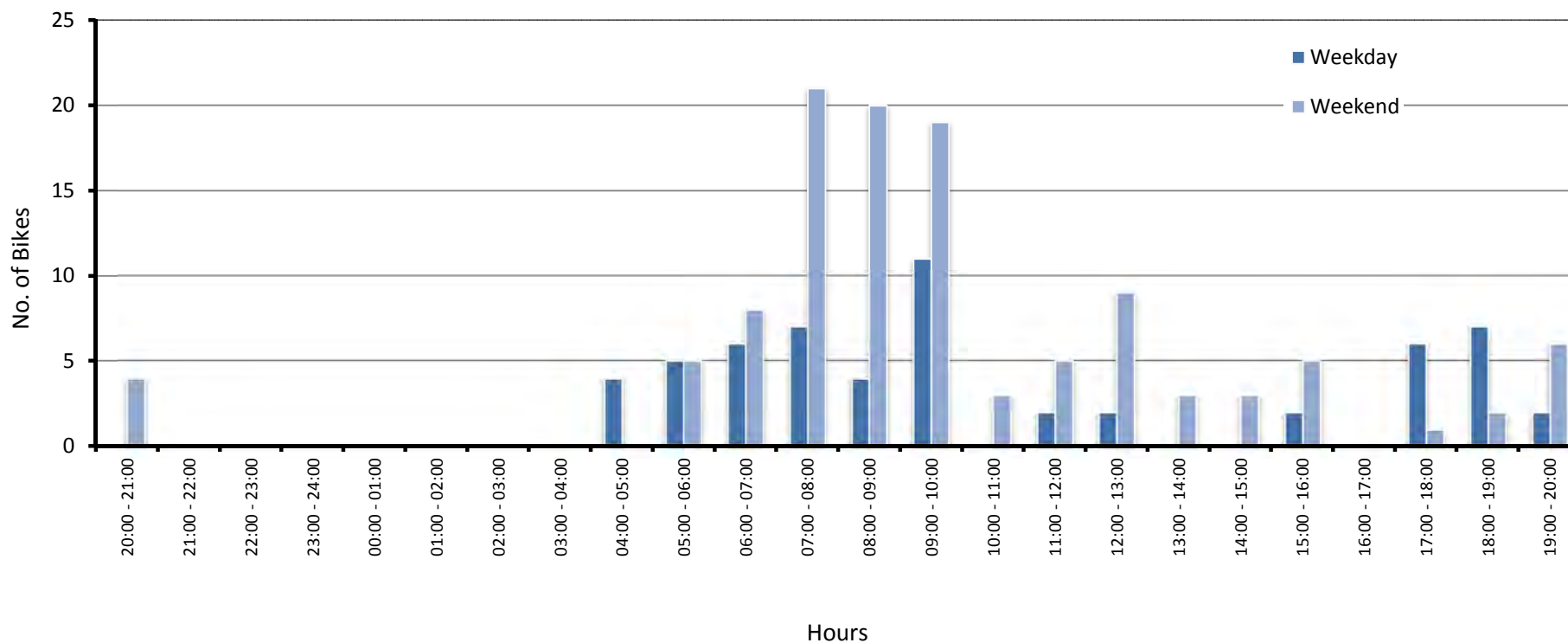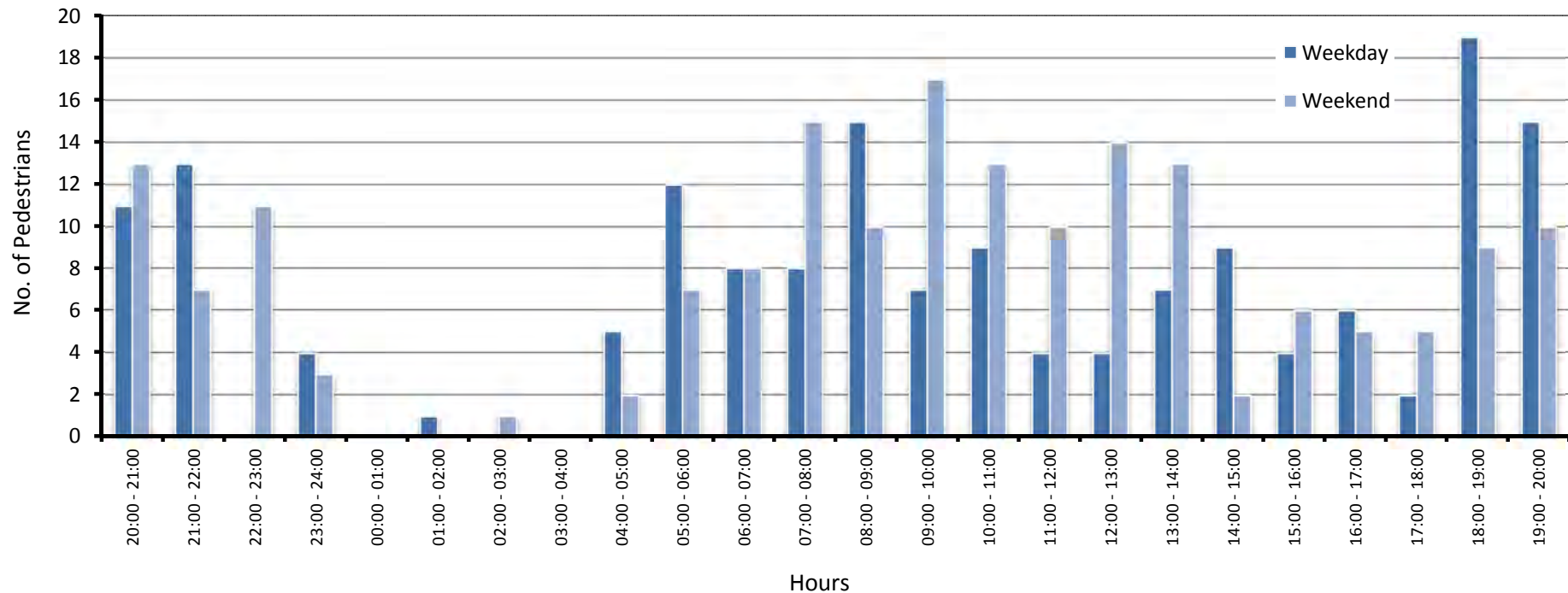| TIME | Weekday (01/23/2014) Eastbound | Westbound | Weekend (01/25/2014) Eastbound | Westbound | TIME | Weekday (01/23/2014) Eastbound | Westbound | Weekend (01/25/2014) Eastbound | Westbound | TIME | Weekday (01/23/2014) Eastbound | Westbound | Weekend (01/25/2014) Eastbound | Westbound |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23:00 - 23:15 | 0 | 0 | 0 | 0 | 07:00 - 07:15 | 0 | 0 | 0 | 0 | 15:00 - 15:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 | 07:15 - 07:30 | 0 | 0 | 0 | 1 | 15:15 - 15:30 | 2 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 | 07:30 - 07:45 | 1 | 0 | 0 | 0 | 15:30 - 15:45 | 1 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 | 07:45 - 08:00 | 1 | 0 | 0 | 0 | 15:45 - 16:00 | 0 | 0 | 0 | 0 |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 1 | 0 | 0 | 0 | 16:00 - 16:15 | 0 | 0 | 2 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 0 | 0 | 0 | 0 | 16:15 - 16:30 | 1 | 1 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 | 08:30 - 08:45 | 0 | 0 | 0 | 0 | 16:30 - 16:45 | 1 | 3 | 0 | 1 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 | 08:45 - 09:00 | 0 | 0 | 0 | 1 | 16:45 - 17:00 | 0 | 1 | 1 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 0 | 2 | 0 | 0 | 17:00 - 17:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 0 | 0 | 0 | 17:15 - 17:30 | 0 | 0 | 0 | 1 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 0 | 1 | 0 | 1 | 17:30 - 17:45 | 0 | 0 | 2 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 1 | 1 | 0 | 0 | 17:45 - 18:00 | 1 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 0 | 0 | 0 | 0 | 18:00 - 18:15 | 0 | 1 | 0 | 0 |
| 02:15 - 02:30 | 1 | 0 | 0 | 0 | 10:15 - 10:30 | 0 | 0 | 0 | 1 | 18:15 - 18:30 | 1 | 0 | 2 | 1 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 0 | 0 | 2 | 1 | 18:30 - 18:45 | 0 | 1 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 2 | 0 | 0 | 0 | 18:45 - 19:00 | 0 | 1 | 2 | 1 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 0 | 0 | 1 | 0 | 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 | 11:15 - 11:30 | 0 | 2 | 0 | 1 | 19:15 - 19:30 | 0 | 0 | 1 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 0 | 1 | 0 | 0 | 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 1 | 1 | 0 | 0 | 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:00 - 12:15 | 1 | 2 | 1 | 0 | 20:00 - 20:15 | 1 | 0 | 1 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 1 | 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 | 12:30 - 12:45 | 0 | 0 | 0 | 0 | 20:30 - 20:45 | 0 | 0 | 0 | 1 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 0 | 0 | 1 | 0 | 20:45 - 21:00 | 0 | 0 | 1 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 0 | 1 | 0 | 0 | 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 1 | 0 | 0 | 1 | 21:15 - 21:30 | 0 | 1 | 0 | 1 |
| 05:30 - 05:45 | 1 | 0 | 0 | 0 | 13:30 - 13:45 | 0 | 0 | 0 | 0 | 21:30 - 21:45 | 1 | 0 | 1 | 1 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 1 | 0 | 0 | 0 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 1 | 0 | 0 | 0 | 14:00 - 14:15 | 0 | 0 | 0 | 0 | 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 1 | 0 | 1 | 0 | 22:15 - 22:30 | 0 | 0 | 0 | 1 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 | 14:30 - 14:45 | 0 | 0 | 0 | 0 | 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 2 | 0 | 0 | 0 | 14:45 - 15:00 | 0 | 1 | 0 | 0 | 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | **TOTAL** | **21** | **29** | **17** | **15** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 1 | 0 |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 1 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 1 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 1 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 0 | 1 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 0 | 1 | 0 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 08:00 - 08:15 | 0 | 0 | 0 | 0 |
| 08:15 - 08:30 | 0 | 0 | 0 | 0 |
| 08:30 - 08:45 | 0 | 0 | 0 | 0 |
| 08:45 - 09:00 | 0 | 0 | 0 | 1 |
| 09:00 - 09:15 | 0 | 0 | 0 | 0 |
| 09:15 - 09:30 | 0 | 0 | 1 | 0 |
| 09:30 - 09:45 | 0 | 0 | 0 | 1 |
| 09:45 - 10:00 | 0 | 0 | 0 | 0 |
| 10:00 - 10:15 | 0 | 0 | 1 | 0 |
| 10:15 - 10:30 | 1 | 0 | 1 | 1 |
| 10:30 - 10:45 | 0 | 2 | 0 | 1 |
| 10:45 - 11:00 | 1 | 0 | 0 | 0 |
| 11:00 - 11:15 | 0 | 1 | 0 | 0 |
| 11:15 - 11:30 | 2 | 0 | 1 | 1 |
| 11:30 - 11:45 | 0 | 0 | 1 | 0 |
| 11:45 - 12:00 | 0 | 0 | 0 | 0 |
| 12:00 - 12:15 | 0 | 1 | 1 | 0 |
| 12:15 - 12:30 | 0 | 0 | 1 | 1 |
| 12:30 - 12:45 | 1 | 0 | 0 | 0 |
| 12:45 - 13:00 | 0 | 1 | 0 | 0 |
| 13:00 - 13:15 | 0 | 0 | 0 | 0 |
| 13:15 - 13:30 | 0 | 0 | 1 | 1 |
| 13:30 - 13:45 | 0 | 0 | 1 | 0 |
| 13:45 - 14:00 | 0 | 0 | 2 | 0 |
| 14:00 - 14:15 | 0 | 0 | 1 | 0 |
| 14:15 - 14:30 | 1 | 1 | 2 | 0 |
| 14:30 - 14:45 | 1 | 0 | 1 | 0 |
| 14:45 - 15:00 | 0 | 0 | 0 | 0 |
| 15:00 - 15:15 | 0 | 0 | 0 | 0 |
| 15:15 - 15:30 | 0 | 0 | 0 | 0 |
| 15:30 - 15:45 | 0 | 0 | 0 | 0 |
| 15:45 - 16:00 | 0 | 0 | 0 | 0 |
| TOTAL | 7 | 6 | 20 | 8 |
| Difference | 1 | | 12 | |
| % Error | 17% | | 150% | |

## PEDESTRIAN COUNTS

# PEDESTRIAN DATA

| TIME | Weekday (01/23/2014) SOUTH | Weekday (01/23/2014) NORTH | Weekend (01/25/2014) SOUTH | Weekend (01/25/2014) NORTH |
|---|---|---|---|---|
| 23:00 - 23:15 | 0 | 2 | 0 | 3 |
| 23:15 - 23:30 | 0 |  | 2 | 2 |
| 23:30 - 23:45 | 0 |  | 0 | 4 |
| 23:45 - 24:00 | 0 |  | 0 | 0 |
| 00:00 - 00:15 | 0 | 2 | 0 | 2 |
| 00:15 - 00:30 | 1 |  | 0 | 5 |
| 00:30 - 00:45 | 0 |  | 0 | 1 |
| 00:45 - 01:00 | 1 |  | 0 | 1 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 |  | 0 | 0 |
| 01:30 - 01:45 | 0 |  | 0 | 0 |
| 01:45 - 02:00 | 0 |  | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 |  | 0 | 5 |
| 02:30 - 02:45 | 0 |  | 0 | 1 |
| 02:45 - 03:00 | 0 |  | 0 | 2 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 |  | 0 | 1 |
| 03:30 - 03:45 | 0 |  | 0 | 0 |
| 03:45 - 04:00 | 0 |  | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 1 |
| 04:15 - 04:30 | 0 |  | 0 | 0 |
| 04:30 - 04:45 | 0 |  | 0 | 0 |
| 04:45 - 05:00 | 0 |  | 0 | 0 |
| 05:00 - 05:15 | 0 | 2 | 0 | 0 |
| 05:15 - 05:30 | 0 |  | 0 | 0 |
| 05:30 - 05:45 | 0 |  | 0 | 0 |
| 05:45 - 06:00 | 0 |  | 0 | 0 |
| 06:00 - 06:15 | 1 | 4 | 0 | 0 |
| 06:15 - 06:30 | 0 |  | 0 | 0 |
| 06:30 - 06:45 | 1 |  | 0 | 0 |
| 06:45 - 07:00 | 0 |  | 0 | 0 |
| 07:00 - 07:15 | 0 | 4 | 1 | 3 |
| 07:15 - 07:30 | 1 |  | 0 | 1 |
| 07:30 - 07:45 | 0 |  | 0 | 0 |
| 07:45 - 08:00 | 0 |  | 0 | 0 |
| 08:00 - 08:15 | 9 | 7 | 0 | 2 |
| 08:15 - 08:30 | 1 |  | 0 | 1 |
| 08:30 - 08:45 | 0 |  | 1 | 0 |
| 08:45 - 09:00 | 0 |  | 1 | 0 |
| 09:00 - 09:15 | 2 | 6 | 0 | 3 |
| 09:15 - 09:30 | 0 |  | 0 | 0 |
| 09:30 - 09:45 | 2 |  | 0 | 4 |
| 09:45 - 10:00 | 1 |  | 0 | 0 |
| 10:00 - 10:15 | 0 | 13 | 0 | 1 |
| 10:15 - 10:30 | 0 |  | 1 | 1 |
| 10:30 - 10:45 | 0 |  | 3 | 3 |
| 10:45 - 11:00 | 1 |  | 0 | 13 |
| 11:00 - 11:15 | 2 | 7 | 0 | 3 |
| 11:15 - 11:30 | 1 |  | 0 | 0 |
| 11:30 - 11:45 | 0 |  | 1 | 5 |
| 11:45 - 12:00 | 1 |  | 0 | 0 |
| 12:00 - 12:15 | 2 | 13 | 0 | 3 |
| 12:15 - 12:30 | 0 |  | 0 | 11 |
| 12:30 - 12:45 | 1 |  | 0 | 3 |
| 12:45 - 13:00 | 1 |  | 0 | 4 |
| 13:00 - 13:15 | 0 | 7 | 0 | 0 |
| 13:15 - 13:30 | 0 |  | 1 | 0 |
| 13:30 - 13:45 | 0 |  | 1 | 0 |
| 13:45 - 14:00 | 1 |  | 0 | 0 |
| 14:00 - 14:15 | 1 | 11 | 0 | 3 |
| 14:15 - 14:30 | 0 |  | 0 | 1 |
| 14:30 - 14:45 | 0 |  | 1 | 1 |
| 14:45 - 15:00 | 0 |  | 1 | 2 |
| 15:00 - 15:15 | 2 | 6 | 0 | 0 |
| 15:15 - 15:30 | 0 |  | 0 | 0 |
| 15:30 - 15:45 | 0 |  | 0 | 0 |
| 15:45 - 16:00 | 1 |  | 0 | 0 |
| 16:00 - 16:15 | 0 | 2 | 1 | 11 |
| 16:15 - 16:30 | 0 |  | 0 |  |
| 16:30 - 16:45 | 0 |  | 0 |  |
| 16:45 - 17:00 | 0 |  | 0 |  |
| 17:00 - 17:15 | 1 | 4 | 0 | 4 |
| 17:15 - 17:30 | 0 |  | 1 |  |
| 17:30 - 17:45 | 0 |  | 0 |  |
| 17:45 - 18:00 | 1 |  | 0 |  |
| 18:00 - 18:15 | 1 | 7 | 0 | 6 |
| 18:15 - 18:30 | 0 |  | 2 |  |
| 18:30 - 18:45 | 2 |  | 1 |  |
| 18:45 - 19:00 | 0 |  | 0 |  |
| 19:00 - 19:15 | 1 | 7 | 0 | 7 |
| 19:15 - 19:30 | 0 |  | 0 |  |
| 19:30 - 19:45 | 1 |  | 0 |  |
| 19:45 - 20:00 | 0 |  | 0 |  |
| 20:00 - 20:15 | 0 | 7 | 0 | 7 |
| 20:15 - 20:30 | 1 |  | 0 |  |
| 20:30 - 20:45 | 0 |  | 0 |  |
| 20:45 - 21:00 | 0 |  | 0 |  |
| 21:00 - 21:15 | 1 | 0 | 0 | 4 |
| 21:15 - 21:30 | 1 |  | 0 |  |
| 21:30 - 21:45 | 0 |  | 0 |  |
| 21:45 - 22:00 | 2 |  | 1 |  |
| 22:00 - 22:15 | 1 | 2 | 0 | 0 |
| 22:15 - 22:30 | 0 |  | 1 |  |
| 22:30 - 22:45 | 0 |  | 0 |  |
| 22:45 - 23:00 | 0 |  | 0 |  |
| TOTAL | 40 | 113 | 19 | 135 |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR PEDESTRIAN

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera | TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|---|---|---|---|---|
| 23:00 - 23:15 | 0 | 0 | | 3 | 08:00 - 08:15 | 0 | 0 | | 2 |
| 23:15 - 23:30 | 0 | 2 | 4 | 2 | 08:15 - 08:30 | 0 | 0 | 1 | 1 |
| 23:30 - 23:45 | 0 | 0 | | 4 | 08:30 - 08:45 | 0 | 1 | | 0 |
| 23:45 - 24:00 | 0 | 0 | | 0 | 08:45 - 09:00 | 2 | 1 | | 0 |
| 00:00 - 00:15 | 0 | 0 | | 2 | 09:00 - 09:15 | 0 | 0 | | 3 |
| 00:15 - 00:30 | 0 | 0 | 2 | 5 | 09:15 - 09:30 | 0 | 0 | 2 | 0 |
| 00:30 - 00:45 | 0 | 0 | | 1 | 09:30 - 09:45 | 0 | 0 | | 4 |
| 00:45 - 01:00 | 0 | 0 | | 1 | 09:45 - 10:00 | 0 | 0 | | 0 |
| 01:00 - 01:15 | 0 | 0 | | 0 | 10:00 - 10:15 | 0 | 0 | | 1 |
| 01:15 - 01:30 | 0 | 0 | 2 | 0 | 10:15 - 10:30 | 0 | 1 | 10 | 1 |
| 01:30 - 01:45 | 0 | 0 | | 0 | 10:30 - 10:45 | 0 | 3 | | 3 |
| 01:45 - 02:00 | 0 | 0 | | 0 | 10:45 - 11:00 | 1 | 0 | | 13 |
| 02:00 - 02:15 | 0 | 0 | | 0 | 11:00 - 11:15 | 1 | 0 | | 3 |
| 02:15 - 02:30 | 0 | 0 | 4 | 5 | 11:15 - 11:30 | 0 | 0 | 4 | 0 |
| 02:30 - 02:45 | 0 | 0 | | 1 | 11:30 - 11:45 | 0 | 1 | | 5 |
| 02:45 - 03:00 | 0 | 0 | | 2 | 11:45 - 12:00 | 1 | 0 | | 0 |
| 03:00 - 03:15 | 0 | 0 | | 0 | 12:00 - 12:15 | 0 | 0 | | 3 |
| 03:15 - 03:30 | 0 | 0 | 0 | 1 | 12:15 - 12:30 | 0 | 0 | 12 | 11 |
| 03:30 - 03:45 | 0 | 0 | | 0 | 12:30 - 12:45 | 1 | 0 | | 3 |
| 03:45 - 04:00 | 0 | 0 | | 0 | 12:45 - 13:00 | 0 | 0 | | 4 |
| 04:00 - 04:15 | 0 | 0 | | 1 | 13:00 - 13:15 | 0 | 0 | | 0 |
| 04:15 - 04:30 | 0 | 0 | 1 | 0 | 13:15 - 13:30 | 0 | 1 | 2 | 0 |
| 04:30 - 04:45 | 0 | 0 | | 0 | 13:30 - 13:45 | 0 | 1 | | 0 |
| 04:45 - 05:00 | 0 | 0 | | 0 | 13:45 - 14:00 | 2 | 0 | | 0 |
| 05:00 - 05:15 | 0 | 0 | | 0 | 14:00 - 14:15 | 1 | 0 | | 3 |
| 05:15 - 05:30 | 0 | 0 | 1 | 0 | 14:15 - 14:30 | 0 | 0 | 2 | 1 |
| 05:30 - 05:45 | 0 | 0 | | 0 | 14:30 - 14:45 | 0 | 1 | | 1 |
| 05:45 - 06:00 | 0 | 0 | | 0 | 14:45 - 15:00 | 2 | 1 | | 2 |
| 06:00 - 06:15 | 0 | 0 | | 0 | 15:00 - 15:15 | 0 | 0 | | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 15:15 - 15:30 | 1 | 0 | 5 | 0 |
| 06:30 - 06:45 | 0 | 0 | | 0 | 15:30 - 15:45 | 2 | 0 | | 0 |
| 06:45 - 07:00 | 0 | 0 | | 0 | 15:45 - 16:00 | 3 | 0 | | 0 |
| 07:00 - 07:15 | 0 | 1 | | 3 | TOTAL | 18 | 14 | 52 | 96 |
| 07:15 - 07:30 | 0 | 0 | 0 | 1 | Difference | | 4 | | -44 |
| 07:30 - 07:45 | 0 | 0 | | 0 | **% Error** | | **29%** | | **-46%** |
| 07:45 - 08:00 | 1 | 0 | | 0 | | | | | |

# Las Vegas Blvd. north of Charleston Blvd.

Ped Counters

Bike Tubes

Video Camera

Las Vegas Blvd.

Charleston Blvd.

## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 64
- Total Weekend Bike Count: 79
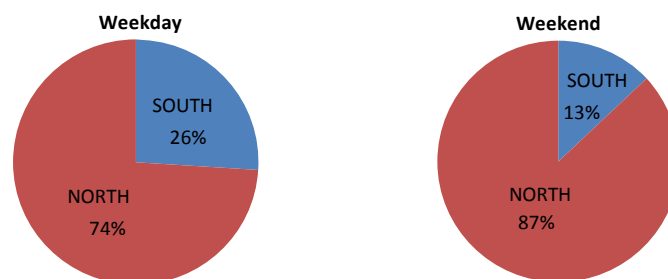- Total Bike Traffic for the Period Analyzed: 143
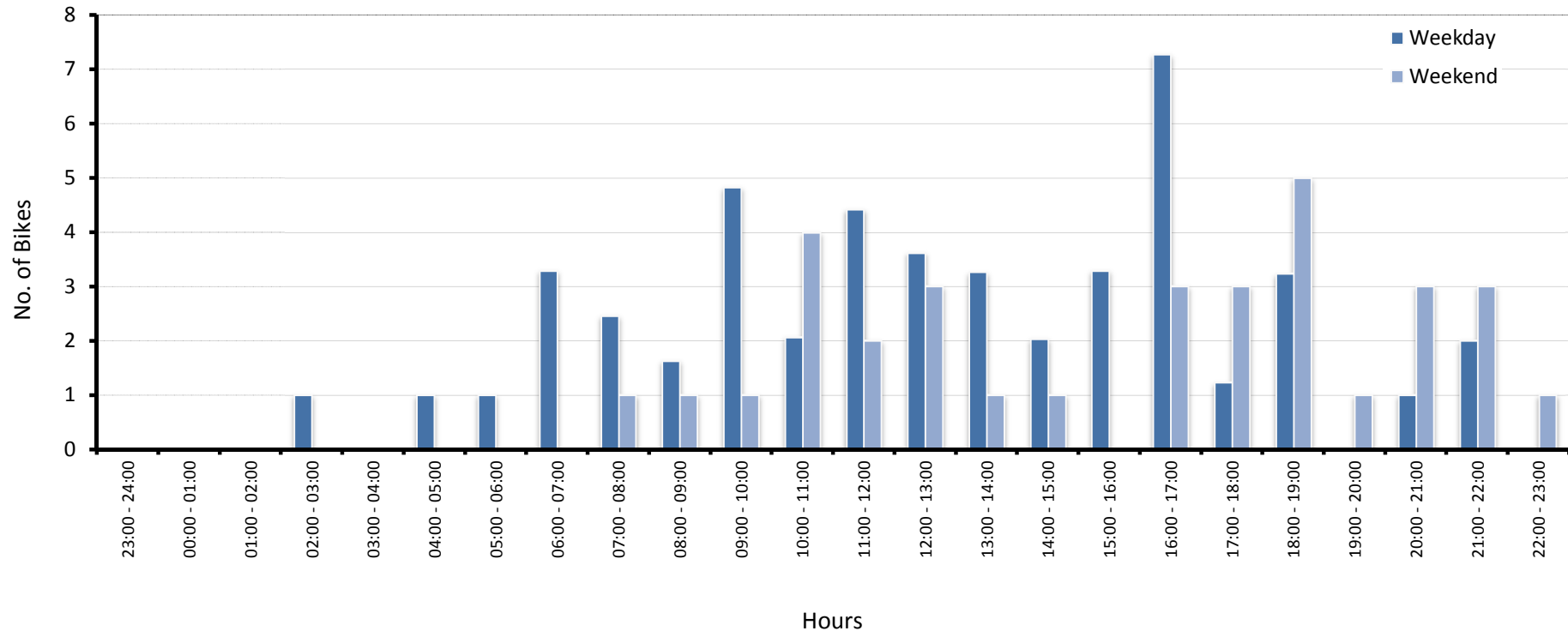
### Distribution by Direction

**Weekday**

Southbound 44%
Northbound 56%

**Weekend**

Southbound 46%
Northbound 54%



## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 1,098
- Total Weekend Pedestrian Count: 1,270
- Total Pedestrian Traffic for the Period Analyzed: 2,368

### Distribution by Sidewalk Side

**Weekday**

WEST 51%
EAST 49%

**Weekend**

WEST 51%
EAST 49%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (11/07/2013) Northbound | Weekday (11/07/2013) Southbound | Weekend (11/09/2013) Northbound | Weekend (11/09/2013) Southbound |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 2 |
| 00:15 - 00:30 | 0 | 0 | 1 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 1 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 1 | 1 | 0 | 0 |
| 01:15 - 01:30 | 0 | 1 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 1 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 1 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 1 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 1 | 0 |
| 04:30 - 04:45 | 0 | 0 | 1 | 1 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 2 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 1 | 0 | 0 |
| 06:15 - 06:30 | 0 | 1 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 1 |
| 07:00 - 07:15 | 0 | 1 | 0 | 1 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 0 | 0 | 3 |

| TIME | Weekday (11/07/2013) Northbound | Weekday (11/07/2013) Southbound | Weekend (11/09/2013) Northbound | Weekend (11/09/2013) Southbound |
|---|---|---|---|---|
| 08:00 - 08:15 | 0 | 0 | 1 | 0 |
| 08:15 - 08:30 | 0 | 2 | 0 | 0 |
| 08:30 - 08:45 | 0 | 0 | 0 | 0 |
| 08:45 - 09:00 | 1 | 0 | 0 | 1 |
| 09:00 - 09:15 | 0 | 0 | 0 | 1 |
| 09:15 - 09:30 | 0 | 1 | 0 | 0 |
| 09:30 - 09:45 | 0 | 0 | 0 | 0 |
| 09:45 - 10:00 | 0 | 0 | 0 | 0 |
| 10:00 - 10:15 | 0 | 1 | 7 | 0 |
| 10:15 - 10:30 | 1 | 0 | 0 | 2 |
| 10:30 - 10:45 | 0 | 0 | 1 | 0 |
| 10:45 - 11:00 | 0 | 0 | 0 | 0 |
| 11:00 - 11:15 | 2 | 0 | 0 | 1 |
| 11:15 - 11:30 | 0 | 0 | 0 | 0 |
| 11:30 - 11:45 | 1 | 0 | 1 | 1 |
| 11:45 - 12:00 | 0 | 0 | 2 | 0 |
| 12:00 - 12:15 | 1 | 0 | 1 | 1 |
| 12:15 - 12:30 | 0 | 0 | 0 | 0 |
| 12:30 - 12:45 | 0 | 1 | 1 | 0 |
| 12:45 - 13:00 | 0 | 0 | 3 | 3 |
| 13:00 - 13:15 | 1 | 0 | 0 | 0 |
| 13:15 - 13:30 | 0 | 0 | 2 | 0 |
| 13:30 - 13:45 | 1 | 0 | 1 | 0 |
| 13:45 - 14:00 | 0 | 0 | 1 | 0 |
| 14:00 - 14:15 | 0 | 0 | 0 | 1 |
| 14:15 - 14:30 | 0 | 0 | 1 | 1 |
| 14:30 - 14:45 | 0 | 1 | 1 | 0 |
| 14:45 - 15:00 | 1 | 0 | 0 | 0 |
| 15:00 - 15:15 | 0 | 1 | 2 | 1 |
| 15:15 - 15:30 | 0 | 1 | 0 | 1 |
| 15:30 - 15:45 | 0 | 0 | 0 | 0 |
| 15:45 - 16:00 | 0 | 1 | 1 | 1 |

| TIME | Weekday (11/07/2013) Northbound | Weekday (11/07/2013) Southbound | Weekend (11/09/2013) Northbound | Weekend (11/09/2013) Southbound |
|---|---|---|---|---|
| 16:00 - 16:15 | 1 | 0 | 0 | 0 |
| 16:15 - 16:30 | 0 | 1 | 0 | 2 |
| 16:30 - 16:45 | 3 | 2 | 1 | 0 |
| 16:45 - 17:00 | 4 | 0 | 1 | 0 |
| 17:00 - 17:15 | 1 | 0 | 1 | 0 |
| 17:15 - 17:30 | 0 | 0 | 0 | 2 |
| 17:30 - 17:45 | 1 | 0 | 0 | 0 |
| 17:45 - 18:00 | 1 | 1 | 0 | 0 |
| 18:00 - 18:15 | 1 | 0 | 0 | 0 |
| 18:15 - 18:30 | 1 | 0 | 1 | 0 |
| 18:30 - 18:45 | 2 | 0 | 0 | 0 |
| 18:45 - 19:00 | 3 | 0 | 1 | 0 |
| 19:00 - 19:15 | 0 | 2 | 1 | 0 |
| 19:15 - 19:30 | 0 | 0 | 0 | 0 |
| 19:30 - 19:45 | 0 | 2 | 0 | 1 |
| 19:45 - 20:00 | 1 | 0 | 0 | 0 |
| 20:00 - 20:15 | 1 | 0 | 0 | 0 |
| 20:15 - 20:30 | 0 | 0 | 1 | 0 |
| 20:30 - 20:45 | 1 | 1 | 0 | 0 |
| 20:45 - 21:00 | 0 | 0 | 0 | 2 |
| 21:00 - 21:15 | 0 | 2 | 2 | 0 |
| 21:15 - 21:30 | 1 | 0 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 22:00 - 22:15 | 1 | 0 | 1 | 0 |
| 22:15 - 22:30 | 0 | 1 | 1 | 1 |
| 22:30 - 22:45 | 1 | 0 | 0 | 0 |
| 22:45 - 23:00 | 1 | 0 | 0 | 3 |
| 23:00 - 23:15 | 0 | 0 | 0 | 1 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 1 | 0 |
| **TOTAL** | **36** | **28** | **43** | **36** |

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 1 | 2 | 08:00 - 08:15 | 0 | 1 | 0 | 0 | 16:00 - 16:15 | 0 | 0 | 1 | 0 |
| 00:15 - 00:30 | 0 | 1 | 0 | 0 | 08:15 - 08:30 | 0 | 0 | 0 | 0 | 16:15 - 16:30 | 0 | 0 | 0 | 2 |
| 00:30 - 00:45 | 0 | 0 | 1 | 1 | 08:30 - 08:45 | 0 | 0 | 1 | 0 | 16:30 - 16:45 | 0 | 1 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 | 08:45 - 09:00 | 0 | 0 | 1 | 1 | 16:45 - 17:00 | 0 | 1 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 1 | 1 | 17:00 - 17:15 | 0 | 1 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 0 | 0 | 0 | 17:15 - 17:30 | 0 | 0 | 0 | 2 |
| 01:30 - 01:45 | 0 | 0 | 1 | 0 | 09:30 - 09:45 | 0 | 0 | 0 | 0 | 17:30 - 17:45 | 0 | 0 | 2 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 0 | 0 | 0 | 0 | 17:45 - 18:00 | 1 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 0 | 7 | 0 | 0 | 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 1 | 1 | 0 | 0 | 10:15 - 10:30 | 0 | 0 | 0 | 2 | 18:15 - 18:30 | 0 | 1 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 0 | 1 | 0 | 0 | 18:30 - 18:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 0 | 0 | 0 | 0 | 18:45 - 19:00 | 1 | 1 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 0 | 0 | 1 | 1 | 19:00 - 19:15 | 0 | 1 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 | 11:15 - 11:30 | 0 | 0 | 0 | 0 | 19:15 - 19:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 1 | 0 | 0 | 11:30 - 11:45 | 0 | 1 | 0 | 1 | 19:30 - 19:45 | 0 | 0 | 0 | 1 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 0 | 2 | 1 | 0 | 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:00 - 12:15 | 0 | 1 | 1 | 1 | 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 1 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 0 | 20:15 - 20:30 | 0 | 1 | 0 | 0 |
| 04:30 - 04:45 | 0 | 1 | 0 | 1 | 12:30 - 12:45 | 0 | 1 | 0 | 0 | 20:30 - 20:45 | 1 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 0 | 3 | 0 | 3 | 20:45 - 21:00 | 0 | 0 | 0 | 2 |
| 05:00 - 05:15 | 1 | 0 | 0 | 0 | 13:00 - 13:15 | 0 | 0 | 1 | 0 | 21:00 - 21:15 | 0 | 2 | 1 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 0 | 2 | 0 | 0 | 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 | 13:30 - 13:45 | 0 | 1 | 0 | 0 | 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 0 | 1 | 0 | 0 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 | 14:00 - 14:15 | 0 | 0 | 0 | 1 | 22:00 - 22:15 | 1 | 1 | 1 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 0 | 1 | 1 | 1 | 22:15 - 22:30 | 0 | 1 | 0 | 1 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 | 14:30 - 14:45 | 0 | 1 | 0 | 0 | 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 1 | 14:45 - 15:00 | 0 | 0 | 1 | 0 | 22:45 - 23:00 | 0 | 0 | 0 | 3 |
| 07:00 - 07:15 | 0 | 0 | 0 | 1 | 15:00 - 15:15 | 0 | 2 | 0 | 1 | 23:00 - 23:15 | 1 | 0 | 0 | 1 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 | 15:15 - 15:30 | 0 | 0 | 0 | 1 | 23:15 - 23:30 | 0 | 0 | 1 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 | 15:30 - 15:45 | 0 | 0 | 0 | 0 | 23:30 - 23:45 | 0 | 0 | 1 | 0 |
| 07:45 - 08:00 | 0 | 0 | 0 | 3 | 15:45 - 16:00 | 0 | 1 | 0 | 1 | 23:45 - 24:00 | 0 | 1 | 0 | 0 |
| | | | | | | | | | | TOTAL | 7 | 43 | 19 | 36 |
| | | | | | | | | | | Difference | 36 | | 17 | |
| | | | | | | | | | | % Error | 84% | | 47% | |

## PEDESTRIAN COUNTS

## PEDESTRIAN DATA

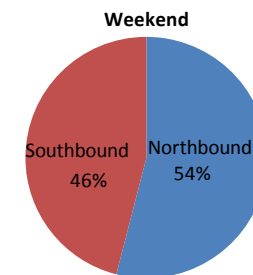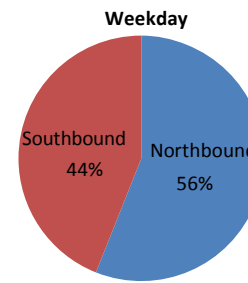| TIME | Weekday (11/07/2013) | | Weekend (11/09/2013) | | TIME | Weekday (11/07/2013) | | Weekend (11/09/2013) | | TIME | Weekday (11/07/2013) | | Weekend (11/09/2013) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EAST | WEST | EAST | WEST | | EAST | WEST | EAST | WEST | | EAST | WEST | EAST | WEST |
| 00:00 - 00:15 | 4 | 2 | 1 | 4 | 08:00 - 08:15 | 1 | 3 | 0 | 4 | 16:00 - 16:15 | 14 | 9 | 6 | 6 |
| 00:15 - 00:30 | 1 | 9 | 0 | 7 | 08:15 - 08:30 | 3 | 1 | 3 | 4 | 16:15 - 16:30 | 15 | 14 | 10 | 8 |
| 00:30 - 00:45 | 3 | 1 | 2 | 4 | 08:30 - 08:45 | 2 | 6 | 2 | 3 | 16:30 - 16:45 | 30 | 4 | 4 | 8 |
| 00:45 - 01:00 | 4 | 2 | 6 | 5 | 08:45 - 09:00 | 1 | 2 | 10 | 2 | 16:45 - 17:00 | 19 | 9 | 6 | 19 |
| 01:00 - 01:15 | 2 | 5 | 1 | 2 | 09:00 - 09:15 | 5 | 4 | 4 | 3 | 17:00 - 17:15 | 13 | 23 | 15 | 23 |
| 01:15 - 01:30 | 2 | 4 | 6 | 3 | 09:15 - 09:30 | 6 | 4 | 8 | 10 | 17:15 - 17:30 | 11 | 12 | 21 | 7 |
| 01:30 - 01:45 | 3 | 3 | 1 | 4 | 09:30 - 09:45 | 4 | 4 | 2 | 9 | 17:30 - 17:45 | 20 | 8 | 21 | 5 |
| 01:45 - 02:00 | 0 | 1 | 4 | 2 | 09:45 - 10:00 | 5 | 3 | 5 | 6 | 17:45 - 18:00 | 10 | 11 | 8 | 12 |
| 02:00 - 02:15 | 1 | 4 | 5 | 2 | 10:00 - 10:15 | 6 | 9 | 2 | 6 | 18:00 - 18:15 | 6 | 10 | 0 | 9 |
| 02:15 - 02:30 | 2 | 0 | 2 | 5 | 10:15 - 10:30 | 9 | 11 | 4 | 6 | 18:15 - 18:30 | 9 | 7 | 17 | 15 |
| 02:30 - 02:45 | 1 | 0 | 4 | 1 | 10:30 - 10:45 | 11 | 13 | 12 | 7 | 18:30 - 18:45 | 9 | 7 | 5 | 5 |
| 02:45 - 03:00 | 0 | 2 | 1 | 0 | 10:45 - 11:00 | 4 | 7 | 5 | 11 | 18:45 - 19:00 | 7 | 8 | 23 | 2 |
| 03:00 - 03:15 | 2 | 0 | 1 | 0 | 11:00 - 11:15 | 6 | 6 | 14 | 7 | 19:00 - 19:15 | 8 | 4 | 11 | 11 |
| 03:15 - 03:30 | 1 | 1 | 0 | 6 | 11:15 - 11:30 | 7 | 14 | 10 | 5 | 19:15 - 19:30 | 10 | 4 | 5 | 4 |
| 03:30 - 03:45 | 3 | 1 | 4 | 0 | 11:30 - 11:45 | 6 | 7 | 14 | 8 | 19:30 - 19:45 | 12 | 5 | 4 | 13 |
| 03:45 - 04:00 | 0 | 2 | 2 | 0 | 11:45 - 12:00 | 4 | 7 | 14 | 4 | 19:45 - 20:00 | 3 | 5 | 5 | 4 |
| 04:00 - 04:15 | 1 | 0 | 2 | 0 | 12:00 - 12:15 | 10 | 7 | 26 | 2 | 20:00 - 20:15 | 4 | 0 | 5 | 21 |
| 04:15 - 04:30 | 7 | 1 | 2 | 7 | 12:15 - 12:30 | 5 | 12 | 16 | 9 | 20:15 - 20:30 | 11 | 6 | 10 | 4 |
| 04:30 - 04:45 | 0 | 0 | 1 | 3 | 12:30 - 12:45 | 15 | 5 | 11 | 31 | 20:30 - 20:45 | 1 | 3 | 10 | 6 |
| 04:45 - 05:00 | 5 | 0 | 2 | 0 | 12:45 - 13:00 | 7 | 18 | 24 | 7 | 20:45 - 21:00 | 3 | 5 | 8 | 13 |
| 05:00 - 05:15 | 3 | 0 | 1 | 1 | 13:00 - 13:15 | 12 | 15 | 23 | 9 | 21:00 - 21:15 | 2 | 1 | 3 | 8 |
| 05:15 - 05:30 | 2 | 3 | 1 | 1 | 13:15 - 13:30 | 6 | 13 | 9 | 3 | 21:15 - 21:30 | 3 | 8 | 4 | 5 |
| 05:30 - 05:45 | 0 | 1 | 0 | 3 | 13:30 - 13:45 | 5 | 13 | 13 | 7 | 21:30 - 21:45 | 4 | 8 | 5 | 11 |
| 05:45 - 06:00 | 2 | 2 | 0 | 3 | 13:45 - 14:00 | 3 | 9 | 11 | 11 | 21:45 - 22:00 | 3 | 11 | 4 | 3 |
| 06:00 - 06:15 | 0 | 5 | 1 | 3 | 14:00 - 14:15 | 6 | 1 | 11 | 12 | 22:00 - 22:15 | 3 | 7 | 5 | 2 |
| 06:15 - 06:30 | 1 | 6 | 1 | 2 | 14:15 - 14:30 | 17 | 19 | 18 | 10 | 22:15 - 22:30 | 3 | 3 | 0 | 3 |
| 06:30 - 06:45 | 0 | 0 | 0 | 5 | 14:30 - 14:45 | 16 | 12 | 5 | 12 | 22:30 - 22:45 | 1 | 4 | 4 | 6 |
| 06:45 - 07:00 | 1 | 1 | 1 | 1 | 14:45 - 15:00 | 8 | 7 | 15 | 12 | 22:45 - 23:00 | 3 | 7 | 6 | 9 |
| 07:00 - 07:15 | 4 | 0 | 0 | 1 | 15:00 - 15:15 | 15 | 15 | 3 | 14 | 23:00 - 23:15 | 4 | 1 | 4 | 8 |
| 07:15 - 07:30 | 1 | 0 | 1 | 2 | 15:15 - 15:30 | 13 | 14 | 6 | 21 | 23:15 - 23:30 | 0 | 0 | 3 | 7 |
| 07:30 - 07:45 | 0 | 2 | 3 | 2 | 15:30 - 15:45 | 2 | 8 | 13 | 18 | 23:30 - 23:45 | 2 | 13 | 3 | 13 |
| 07:45 - 08:00 | 4 | 3 | 3 | 1 | 15:45 - 16:00 | 16 | 7 | 8 | 15 | 23:45 - 24:00 | 3 | 2 | 13 | 4 |
| | | | | | | | | | | TOTAL | 542 | 556 | 628 | 642 |

# N. Las Vegas Blvd. north of N. Civic Center Drive

## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 59
- Total Weekend Bike Count: 70
- Total Bike Traffic for the Period Analyzed: 129

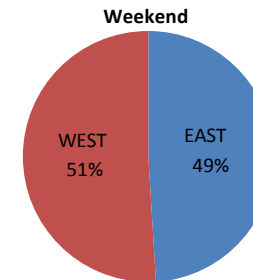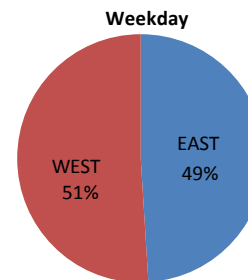### Distribution by Direction

**Weekday**

Southbound 44% | Northbound 56%
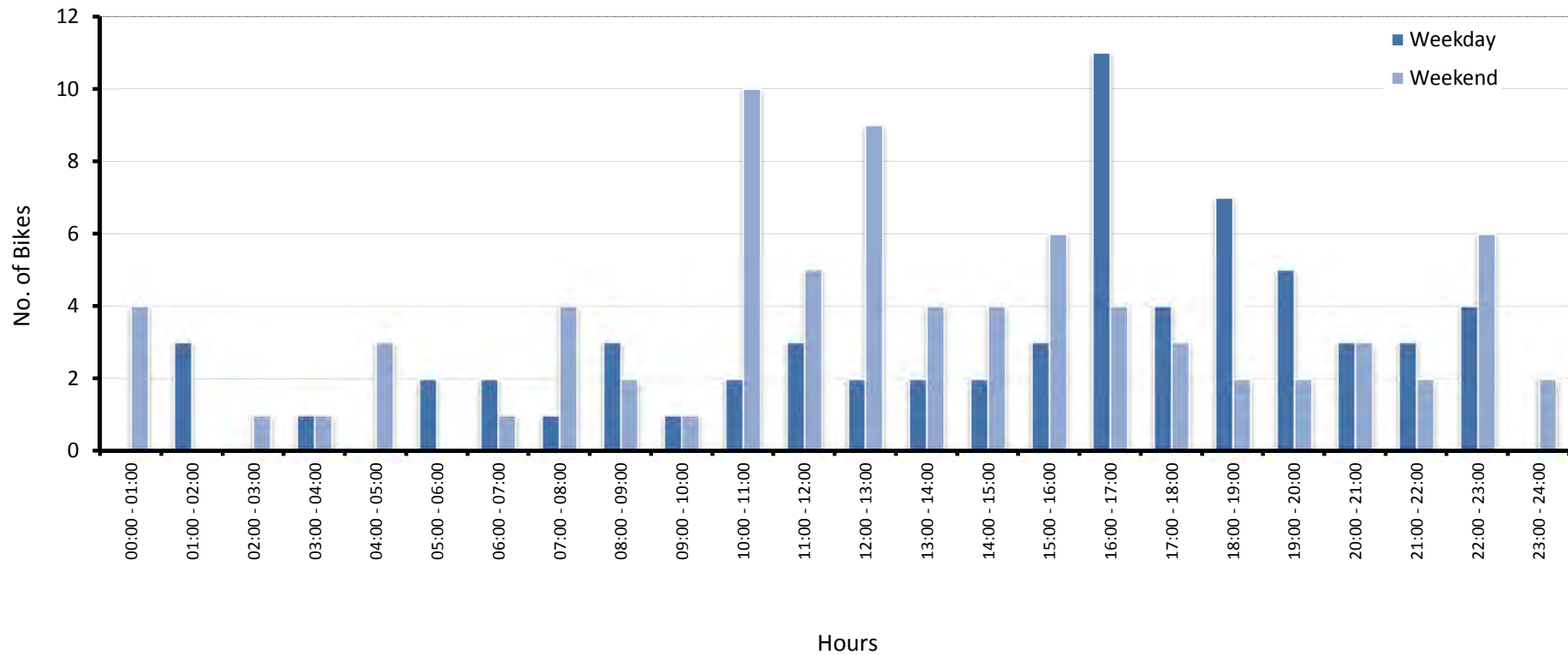
**Weekend**

Southbound 39% | Northbound 61%
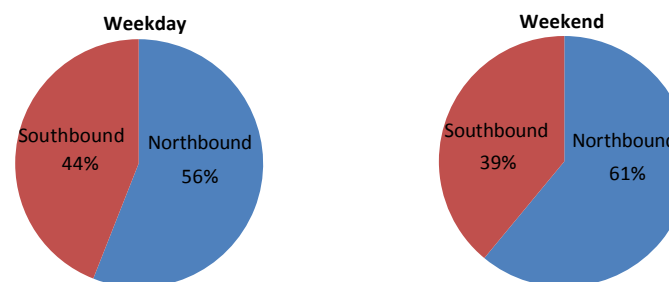
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 355
- Total Weekend Pedestrian Count: 264
- Total Pedestrian Traffic for the Period Analyzed: 619

### Distribution by Sidewalk Side

**Weekday**

WEST 50% | EAST 50%

**Weekend**

WEST 53% | EAST 47%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (05/09/2013) Northbound | Southbound | Weekend (05/11/2013) Northbound | Southbound | TIME | Weekday (05/09/2013) Northbound | Southbound | Weekend (05/11/2013) Northbound | Southbound | TIME | Weekday (05/09/2013) Northbound | Southbound | Weekend (05/11/2013) Northbound | Southbound |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23:00 - 23:15 | 0 | 0 | 0 | 0 | 07:00 - 07:15 | 1 | 0 | 0 | 0 | 15:00 - 15:15 | 1 | 2 | 1 | 1 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 | 07:15 - 07:30 | 0 | 1 | 0 | 0 | 15:15 - 15:30 | 1 | 0 | 3 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 | 07:30 - 07:45 | 0 | 0 | 0 | 0 | 15:30 - 15:45 | 2 | 0 | 1 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 | 07:45 - 08:00 | 0 | 1 | 1 | 1 | 15:45 - 16:00 | 0 | 0 | 0 | 2 |
| 00:00 - 00:15 | 2 | 0 | 0 | 0 | 08:00 - 08:15 | 0 | 0 | 1 | 1 | 16:00 - 16:15 | 0 | 0 | 1 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 1 | 1 | 0 | 1 | 16:15 - 16:30 | 1 | 0 | 3 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 | 08:30 - 08:45 | 1 | 0 | 0 | 0 | 16:30 - 16:45 | 0 | 0 | 1 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 | 08:45 - 09:00 | 1 | 0 | 1 | 0 | 16:45 - 17:00 | 1 | 0 | 1 | 1 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 1 | 2 | 0 | 2 | 17:00 - 17:15 | 0 | 1 | 1 | 1 |
| 01:15 - 01:30 | 0 | 1 | 1 | 0 | 09:15 - 09:30 | 1 | 1 | 3 | 0 | 17:15 - 17:30 | 0 | 0 | 1 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 1 | 0 | 2 | 0 | 17:30 - 17:45 | 0 | 1 | 1 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 2 | 09:45 - 10:00 | 2 | 0 | 1 | 1 | 17:45 - 18:00 | 0 | 1 | 0 | 1 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 0 | 1 | 1 | 0 | 18:00 - 18:15 | 1 | 1 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 | 10:15 - 10:30 | 0 | 0 | 0 | 0 | 18:15 - 18:30 | 0 | 0 | 1 | 1 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 0 | 0 | 0 | 1 | 18:30 - 18:45 | 0 | 1 | 1 | 1 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 1 | 1 | 2 | 0 | 18:45 - 19:00 | 2 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 2 | 2 | 2 | 0 | 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 1 | 0 | 11:15 - 11:30 | 0 | 0 | 1 | 0 | 19:15 - 19:30 | 0 | 0 | 0 | 1 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 0 | 2 | 0 | 0 | 19:30 - 19:45 | 0 | 0 | 1 | 2 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 1 | 0 | 1 | 0 | 19:45 - 20:00 | 0 | 0 | 0 | 1 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 2 | 1 | 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 0 | 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 2 | 0 | 0 | 0 | 12:30 - 12:45 | 0 | 0 | 1 | 0 | 20:30 - 20:45 | 1 | 0 | 1 | 0 |
| 04:45 - 05:00 | 0 | 1 | 0 | 0 | 12:45 - 13:00 | 0 | 0 | 1 | 0 | 20:45 - 21:00 | 0 | 0 | 0 | 1 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 0 | 0 | 2 | 0 | 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 0 | 0 | 21:15 - 21:30 | 0 | 0 | 0 | 1 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 | 13:30 - 13:45 | 2 | 0 | 0 | 0 | 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 1 | 0 | 0 | 1 | 13:45 - 14:00 | 0 | 0 | 1 | 2 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 1 | 0 | 14:00 - 14:15 | 0 | 0 | 0 | 2 | 22:00 - 22:15 | 1 | 1 | 1 | 1 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 1 | 3 | 0 | 0 | 22:15 - 22:30 | 0 | 0 | 1 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 | 14:30 - 14:45 | 1 | 0 | 0 | 0 | 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 0 | 1 | 1 | 0 | 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | **TOTAL** | **33** | **26** | **43** | **27** |

 Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 2 | 0 |
| 00:00 - 00:15 | 0 | 2 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 1 | 0 |
| 00:45 - 01:00 | 0 | 0 | 1 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 1 |
| 01:30 - 01:45 | 0 | 0 | 1 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 1 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 1 | 0 |
| 04:30 - 04:45 | 0 | 2 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 1 | 1 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 1 | 0 |
| 05:45 - 06:00 | 1 | 1 | 1 | 0 |
| 06:00 - 06:15 | 1 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 2 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 07:00 - 07:15 | 0 | 1 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 0 | 1 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 0 | 1 | 1 |
| 08:00 - 08:15 | 1 | 0 | 2 | 0 |
| 08:15 - 08:30 | 0 | 1 | 1 | 1 |
| 08:30 - 08:45 | 0 | 1 | 1 | 1 |
| 08:45 - 09:00 | 0 | 1 | 0 | 0 |
| 09:00 - 09:15 | 1 | 1 | 0 | 2 |
| 09:15 - 09:30 | 0 | 1 | 1 | 1 |
| 09:30 - 09:45 | 0 | 1 | 2 | 0 |
| 09:45 - 10:00 | 0 | 2 | 0 | 0 |
| 10:00 - 10:15 | 0 | 0 | 3 | 1 |
| 10:15 - 10:30 | 0 | 0 | 1 | 0 |
| 10:30 - 10:45 | 0 | 0 | 0 | 0 |
| 10:45 - 11:00 | 1 | 1 | 1 | 1 |
| 11:00 - 11:15 | 1 | 2 | 0 | 2 |
| 11:15 - 11:30 | 0 | 0 | 0 | 0 |
| 11:30 - 11:45 | 0 | 0 | 0 | 2 |
| 11:45 - 12:00 | 0 | 1 | 1 | 0 |
| 12:00 - 12:15 | 0 | 0 | 0 | 0 |
| 12:15 - 12:30 | 0 | 0 | 0 | 0 |
| 12:30 - 12:45 | 0 | 0 | 0 | 0 |
| 12:45 - 13:00 | 0 | 0 | 0 | 0 |
| 13:00 - 13:15 | 3 | 0 | 0 | 0 |
| 13:15 - 13:30 | 0 | 0 | 0 | 0 |
| 13:30 - 13:45 | 1 | 2 | 1 | 0 |
| 13:45 - 14:00 | 0 | 0 | 0 | 0 |
| 14:00 - 14:15 | 0 | 0 | 3 | 0 |
| 14:15 - 14:30 | 0 | 1 | 2 | 3 |
| 14:30 - 14:45 | 0 | 1 | 0 | 0 |
| 14:45 - 15:00 | 0 | 0 | 0 | 1 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 15:00 - 15:15 | 0 | 1 | 0 | 2 |
| 15:15 - 15:30 | 0 | 1 | 3 | 0 |
| 15:30 - 15:45 | 0 | 2 | 0 | 0 |
| 15:45 - 16:00 | 0 | 0 | 1 | 0 |
| 16:00 - 16:15 | 1 | 0 | 2 | 0 |
| 16:15 - 16:30 | 0 | 1 | 0 | 0 |
| 16:30 - 16:45 | 0 | 0 | 3 | 0 |
| 16:45 - 17:00 | 0 | 1 | 0 | 0 |
| 17:00 - 17:15 | 0 | 0 | 1 | 1 |
| 17:15 - 17:30 | 0 | 0 | 1 | 0 |
| 17:30 - 17:45 | 0 | 0 | 3 | 1 |
| 17:45 - 18:00 | 0 | 0 | 0 | 1 |
| 18:00 - 18:15 | 0 | 1 | 2 | 1 |
| 18:15 - 18:30 | 0 | 0 | 1 | 0 |
| 18:30 - 18:45 | 0 | 0 | 2 | 1 |
| 18:45 - 19:00 | 0 | 2 | 2 | 0 |
| 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 19:15 - 19:30 | 0 | 0 | 0 | 0 |
| 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 20:15 - 20:30 | 0 | 0 | 1 | 0 |
| 20:30 - 20:45 | 0 | 1 | 0 | 0 |
| 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 21:30 - 21:45 | 1 | 0 | 0 | 0 |
| 21:45 - 22:00 | 0 | 0 | 2 | 0 |
| 22:00 - 22:15 | 0 | 1 | 0 | 1 |
| 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| TOTAL | 12 | 33 | 56 | 26 |
| Difference | -21 | | 30 | |
| % Error | -64% | | 115% | |

## PEDESTRIAN COUNTS
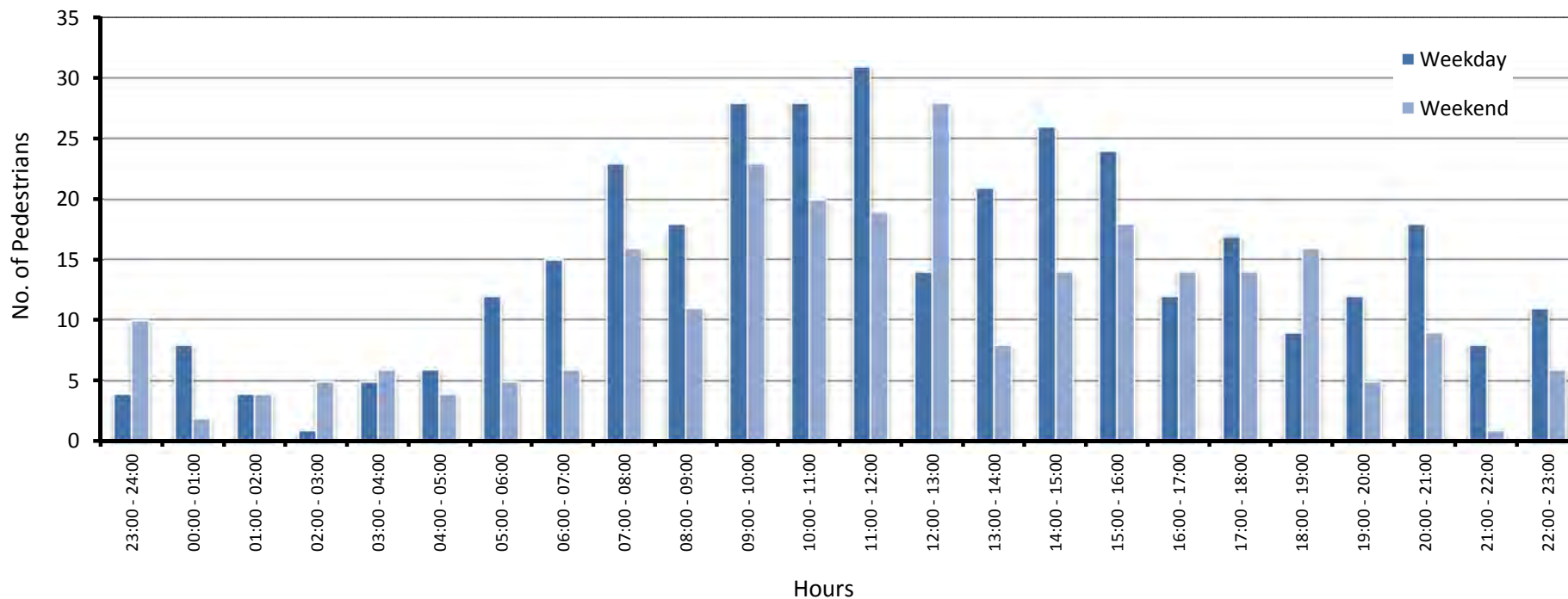
## PEDESTRIAN DATA

| TIME | Weekday (05/09/2013) EAST | Weekday (05/09/2013) WEST | Weekend (05/11/2013) EAST | Weekend (05/11/2013) WEST |
|---|---|---|---|---|
| 23:00 - 23:15 | 0 | 0 | 4 | 0 |
| 23:15 - 23:30 | 1 | 0 | 0 | 1 |
| 23:30 - 23:45 | 0 | 2 | 2 | 1 |
| 23:45 - 24:00 | 1 | 0 | 0 | 2 |
| 00:00 - 00:15 | 1 | 1 | 1 | 0 |
| 00:15 - 00:30 | 1 | 1 | 1 | 0 |
| 00:30 - 00:45 | 2 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 2 | 0 | 0 |
| 01:00 - 01:15 | 2 | 0 | 1 | 2 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 1 | 0 | 1 |
| 01:45 - 02:00 | 1 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 1 | 2 | 2 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 1 | 0 |
| 03:00 - 03:15 | 0 | 2 | 0 | 0 |
| 03:15 - 03:30 | 0 | 1 | 0 | 1 |
| 03:30 - 03:45 | 0 | 0 | 2 | 1 |
| 03:45 - 04:00 | 2 | 0 | 0 | 2 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 1 | 0 | 1 |
| 04:30 - 04:45 | 1 | 0 | 0 | 1 |
| 04:45 - 05:00 | 3 | 1 | 2 | 0 |
| 05:00 - 05:15 | 2 | 2 | 1 | 0 |
| 05:15 - 05:30 | 0 | 1 | 0 | 0 |
| 05:30 - 05:45 | 3 | 1 | 1 | 1 |
| 05:45 - 06:00 | 0 | 3 | 2 | 0 |
| 06:00 - 06:15 | 1 | 2 | 0 | 0 |
| 06:15 - 06:30 | 0 | 1 | 1 | 0 |
| 06:30 - 06:45 | 4 | 0 | 4 | 1 |
| 06:45 - 07:00 | 1 | 6 | 0 | 0 |

| TIME | Weekday (05/09/2013) EAST | Weekday (05/09/2013) WEST | Weekend (05/11/2013) EAST | Weekend (05/11/2013) WEST |
|---|---|---|---|---|
| 07:00 - 07:15 | 0 | 8 | 1 | 3 |
| 07:15 - 07:30 | 3 | 1 | 4 | 1 |
| 07:30 - 07:45 | 3 | 3 | 2 | 3 |
| 07:45 - 08:00 | 1 | 4 | 1 | 1 |
| 08:00 - 08:15 | 5 | 0 | 2 | 2 |
| 08:15 - 08:30 | 1 | 0 | 1 | 1 |
| 08:30 - 08:45 | 1 | 4 | 0 | 2 |
| 08:45 - 09:00 | 5 | 2 | 1 | 2 |
| 09:00 - 09:15 | 1 | 2 | 1 | 5 |
| 09:15 - 09:30 | 4 | 11 | 2 | 4 |
| 09:30 - 09:45 | 0 | 1 | 5 | 3 |
| 09:45 - 10:00 | 1 | 8 | 2 | 1 |
| 10:00 - 10:15 | 1 | 3 | 0 | 2 |
| 10:15 - 10:30 | 2 | 7 | 4 | 2 |
| 10:30 - 10:45 | 4 | 3 | 2 | 0 |
| 10:45 - 11:00 | 4 | 4 | 2 | 8 |
| 11:00 - 11:15 | 13 | 2 | *8 (estimated, spans 11:00–12:00)* | 5 |
| 11:15 - 11:30 | 3 | 4 | | 2 |
| 11:30 - 11:45 | 1 | 3 | | 2 |
| 11:45 - 12:00 | 3 | 2 | | 2 |
| 12:00 - 12:15 | 2 | 4 | 7 | 1 |
| 12:15 - 12:30 | 1 | 0 | 5 | 6 |
| 12:30 - 12:45 | 1 | 1 | 1 | 0 |
| 12:45 - 13:00 | 3 | 2 | 3 | 5 |
| 13:00 - 13:15 | 3 | 3 | 2 | 1 |
| 13:15 - 13:30 | 7 | 1 | 1 | 1 |
| 13:30 - 13:45 | 1 | 0 | 0 | 0 |
| 13:45 - 14:00 | 4 | 2 | 2 | 1 |
| 14:00 - 14:15 | 3 | 1 | 3 | 2 |
| 14:15 - 14:30 | 5 | 3 | 2 | 0 |
| 14:30 - 14:45 | 7 | 2 | 1 | 4 |
| 14:45 - 15:00 | 1 | 4 | 0 | 2 |

| TIME | Weekday (05/09/2013) EAST | Weekday (05/09/2013) WEST | Weekend (05/11/2013) EAST | Weekend (05/11/2013) WEST |
|---|---|---|---|---|
| 15:00 - 15:15 | 3 | 7 | 3 | 2 |
| 15:15 - 15:30 | 2 | 7 | 5 | 1 |
| 15:30 - 15:45 | 2 | 0 | 1 | 4 |
| 15:45 - 16:00 | 1 | 2 | 2 | 0 |
| 16:00 - 16:15 | 4 | 1 | *4 (estimated, spans 16:00–17:00)* | 4 |
| 16:15 - 16:30 | 0 | 0 | | 5 |
| 16:30 - 16:45 | 4 | 1 | | 0 |
| 16:45 - 17:00 | 2 | 0 | | 1 |
| 17:00 - 17:15 | 1 | 1 | *3 (estimated, spans 17:00–18:00)* | 4 |
| 17:15 - 17:30 | 4 | 1 | | 4 |
| 17:30 - 17:45 | 4 | 6 | | 1 |
| 17:45 - 18:00 | 0 | 0 | | 2 |
| 18:00 - 18:15 | 1 | 0 | *7 (estimated, spans 18:00–19:00)* | 4 |
| 18:15 - 18:30 | 2 | 0 | | 4 |
| 18:30 - 18:45 | 1 | 2 | | 0 |
| 18:45 - 19:00 | 1 | 2 | | 1 |
| 19:00 - 19:15 | 1 | 0 | *3 (estimated, spans 19:00–20:00)* | 1 |
| 19:15 - 19:30 | 3 | 2 | | 1 |
| 19:30 - 19:45 | 1 | 0 | | 0 |
| 19:45 - 20:00 | 2 | 3 | | 0 |
| 20:00 - 20:15 | 1 | 4 | *3 (estimated, spans 20:00–21:00)* | 0 |
| 20:15 - 20:30 | 3 | 3 | | 0 |
| 20:30 - 20:45 | 2 | 2 | | 1 |
| 20:45 - 21:00 | 1 | 2 | | 5 |
| 21:00 - 21:15 | 1 | 0 | *0 (estimated, spans 21:00–22:00)* | 1 |
| 21:15 - 21:30 | 1 | 5 | | 0 |
| 21:30 - 21:45 | 1 | 0 | | 0 |
| 21:45 - 22:00 | 0 | 0 | | 0 |
| 22:00 - 22:15 | 6 | 0 | *4 (estimated, spans 22:00–23:00)* | 1 |
| 22:15 - 22:30 | 1 | 0 | | 0 |
| 22:30 - 22:45 | 1 | 0 | | 1 |
| 22:45 - 23:00 | 2 | 1 | | 0 |
| **TOTAL** | **179** | **176** | **124** | **140** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 23:00 - 23:15 | 4 | 4 | 0 | 0 |
| 23:15 - 23:30 | | 0 | 1 | 1 |
| 23:30 - 23:45 | | 2 | 0 | 1 |
| 23:45 - 24:00 | | 0 | 1 | 2 |
| 00:00 - 00:15 | 0 | 1 | 1 | 0 |
| 00:15 - 00:30 | | 1 | 0 | 0 |
| 00:30 - 00:45 | | 0 | 0 | 0 |
| 00:45 - 01:00 | | 0 | 1 | 0 |
| 01:00 - 01:15 | 3 | 1 | 3 | 2 |
| 01:15 - 01:30 | | 0 | 0 | 0 |
| 01:30 - 01:45 | | 0 | 1 | 1 |
| 01:45 - 02:00 | | 0 | 1 | 0 |
| 02:00 - 02:15 | 1 | 0 | 2 | 0 |
| 02:15 - 02:30 | | 2 | 0 | 2 |
| 02:30 - 02:45 | | 0 | 1 | 0 |
| 02:45 - 03:00 | | 1 | 1 | 0 |
| 03:00 - 03:15 | 14 | 0 | 1 | 0 |
| 03:15 - 03:30 | | 0 | 1 | 1 |
| 03:30 - 03:45 | | 2 | 0 | 1 |
| 03:45 - 04:00 | | 0 | 0 | 2 |
| 04:00 - 04:15 | 2 | 0 | 0 | 0 |
| 04:15 - 04:30 | | 0 | 0 | 1 |
| 04:30 - 04:45 | | 0 | 1 | 1 |
| 04:45 - 05:00 | | 2 | 1 | 0 |
| 05:00 - 05:15 | 2 | 1 | 0 | 0 |
| 05:15 - 05:30 | | 0 | 1 | 0 |
| 05:30 - 05:45 | | 1 | 2 | 1 |
| 05:45 - 06:00 | | 2 | 1 | 0 |
| 06:00 - 06:15 | 1 | 0 | 0 | 0 |
| 06:15 - 06:30 | | 1 | 2 | 0 |
| 06:30 - 06:45 | | 4 | 1 | 1 |
| 06:45 - 07:00 | | 0 | 2 | 0 |
| 07:00 - 07:15 | 12 | 1 | 3 | 3 |
| 07:15 - 07:30 | | 4 | 3 | 1 |
| 07:30 - 07:45 | | 2 | 3 | 3 |
| 07:45 - 08:00 | | 1 | 3 | 1 |

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 08:00 - 08:15 | 13 | 2 | 1 | 2 |
| 08:15 - 08:30 | | 1 | 0 | 1 |
| 08:30 - 08:45 | | 0 | 0 | 2 |
| 08:45 - 09:00 | | 1 | 0 | 2 |
| 09:00 - 09:15 | 23 | 1 | 1 | 5 |
| 09:15 - 09:30 | | 2 | 4 | 4 |
| 09:30 - 09:45 | | 5 | 1 | 3 |
| 09:45 - 10:00 | | 2 | 1 | 1 |
| 10:00 - 10:15 | 15 | 0 | 3 | 2 |
| 10:15 - 10:30 | | 4 | 1 | 2 |
| 10:30 - 10:45 | | 2 | 2 | 0 |
| 10:45 - 11:00 | | 2 | 0 | 8 |
| 12:00 - 12:15 | 16 | 7 | 2 | 1 |
| 12:15 - 12:30 | | 5 | 1 | 6 |
| 12:30 - 12:45 | | 1 | 3 | 0 |
| 12:45 - 13:00 | | 3 | 1 | 5 |
| 13:00 - 13:15 | 5 | 2 | 1 | 1 |
| 13:15 - 13:30 | | 1 | 0 | 1 |
| 13:30 - 13:45 | | 0 | 1 | 0 |
| 13:45 - 14:00 | | 2 | 1 | 1 |
| 14:00 - 14:15 | 13 | 3 | 0 | 2 |
| 14:15 - 14:30 | | 2 | 1 | 0 |
| 14:30 - 14:45 | | 1 | 0 | 4 |
| 14:45 - 15:00 | | 0 | 1 | 2 |
| 15:00 - 15:15 | 14 | 3 | 5 | 2 |
| 15:15 - 15:30 | | 5 | 3 | 1 |
| 15:30 - 15:45 | | 1 | 3 | 4 |
| 15:45 - 16:00 | | 2 | 0 | 0 |
| TOTAL | 138 | 93 | 79 | 96 |
| Difference | 45 | | -17 | |
| % Error | 48% | | -18% | |

# Main St. north of E. Imperial Ave.

Main St.

Video Camera

Ped Counters

Bike Tubes

Imperial Ave.

15m
65ft

GISMO

## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 67
- Total Weekend Bike Count: 42
- Total Bike Traffic for the Period Analyzed: 109

### Distribution by Direction

**Weekday**



Southbound 49%
Northbound 51%

**Weekend**



Southbound 45%
Northbound 55%

## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count): 370
- Total Weekend Pedestrian Count: 342
- Total Pedestrian Traffic for the Period Analyzed: 712

### Distribution by Sidewalk Side

**Weekday**



WEST 56%
EAST 44%

**Weekend**



WEST 60%
EAST 40%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (11/20/2014) Northbound | Weekday (11/20/2014) Southbound | Weekend (11/22/2014) Northbound | Weekend (11/22/2014) Southbound |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 2 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 1 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 1 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 1 | 1 | 1 | 0 |
| 03:30 - 03:45 | 0 | 1 | 1 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 1 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 1 | 0 |
| 05:00 - 05:15 | 0 | 0 | 1 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 1 | 0 | 0 |
| 05:45 - 06:00 | 0 | 1 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 1 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 1 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 1 |
| 07:45 - 08:00 | 0 | 2 | 0 | 5 |
| 08:00 - 08:15 | 0 | 0 | 0 | 0 |
| 08:15 - 08:30 | 1 | 1 | 0 | 1 |
| 08:30 - 08:45 | 0 | 0 | 1 | 0 |
| 08:45 - 09:00 | 0 | 0 | 0 | 1 |
| 09:00 - 09:15 | 0 | 0 | 0 | 0 |
| 09:15 - 09:30 | 1 | 0 | 0 | 0 |
| 09:30 - 09:45 | 0 | 0 | 1 | 0 |
| 09:45 - 10:00 | 2 | 1 | 0 | 0 |
| 10:00 - 10:15 | 3 | 0 | 0 | 0 |
| 10:15 - 10:30 | 0 | 0 | 1 | 0 |
| 10:30 - 10:45 | 0 | 1 | 0 | 0 |
| 10:45 - 11:00 | 1 | 0 | 0 | 0 |
| 11:00 - 11:15 | 1 | 0 | 0 | 0 |
| 11:15 - 11:30 | 1 | 2 | 1 | 0 |
| 11:30 - 11:45 | 1 | 0 | 0 | 0 |
| 11:45 - 12:00 | 2 | 1 | 0 | 1 |
| 12:00 - 12:15 | 3 | 0 | 0 | 0 |
| 12:15 - 12:30 | 0 | 0 | 0 | 0 |
| 12:30 - 12:45 | 1 | 0 | 1 | 0 |
| 12:45 - 13:00 | 2 | 0 | 0 | 0 |
| 13:00 - 13:15 | 0 | 1 | 0 | 0 |
| 13:15 - 13:30 | 0 | 0 | 3 | 0 |
| 13:30 - 13:45 | 0 | 0 | 0 | 0 |
| 13:45 - 14:00 | 0 | 1 | 0 | 0 |
| 14:00 - 14:15 | 0 | 0 | 0 | 0 |
| 14:15 - 14:30 | 0 | 0 | 0 | 1 |
| 14:30 - 14:45 | 1 | 0 | 0 | 1 |
| 14:45 - 15:00 | 0 | 2 | 1 | 1 |
| 15:00 - 15:15 | 0 | 1 | 0 | 1 |
| 15:15 - 15:30 | 0 | 1 | 1 | 0 |
| 15:30 - 15:45 | 2 | 0 | 1 | 0 |
| 15:45 - 16:00 | 0 | 0 | 0 | 0 |
| 16:00 - 16:15 | 1 | 0 | 1 | 1 |
| 16:15 - 16:30 | 0 | 0 | 0 | 0 |
| 16:30 - 16:45 | 0 | 1 | 0 | 0 |
| 16:45 - 17:00 | 0 | 0 | 0 | 0 |
| 17:00 - 17:15 | 0 | 0 | 0 | 1 |
| 17:15 - 17:30 | 0 | 1 | 0 | 0 |
| 17:30 - 17:45 | 0 | 0 | 1 | 0 |
| 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 18:00 - 18:15 | 0 | 3 | 0 | 2 |
| 18:15 - 18:30 | 1 | 1 | 0 | 0 |
| 18:30 - 18:45 | 0 | 2 | 0 | 0 |
| 18:45 - 19:00 | 0 | 0 | 0 | 0 |
| 19:00 - 19:15 | 0 | 0 | 0 | 1 |
| 19:15 - 19:30 | 0 | 1 | 0 | 0 |
| 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 19:45 - 20:00 | 0 | 1 | 1 | 0 |
| 20:00 - 20:15 | 0 | 1 | 1 | 0 |
| 20:15 - 20:30 | 2 | 1 | 0 | 0 |
| 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 20:45 - 21:00 | 0 | 1 | 0 | 0 |
| 21:00 - 21:15 | 0 | 1 | 0 | 0 |
| 21:15 - 21:30 | 0 | 1 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 22:15 - 22:30 | 1 | 0 | 0 | 0 |
| 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 22:45 - 23:00 | 1 | 0 | 0 | 0 |
| 23:00 - 23:15 | 1 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 1 | 0 |
| 23:30 - 23:45 | 1 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| **TOTAL** | **34** | **33** | **23** | **19** |

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 0 | 0 | 1 | 0 | 16:00 - 16:15 | 0 | 1 | 0 | 1 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 0 | 1 | 1 | 0 | 16:15 - 16:30 | 1 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 1 | 0 | 08:30 - 08:45 | 0 | 0 | 0 | 1 | 16:30 - 16:45 | 1 | 0 | 1 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 2 | 08:45 - 09:00 | 0 | 0 | 0 | 0 | 16:45 - 17:00 | 1 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 0 | 17:00 - 17:15 | 0 | 0 | 2 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 1 | 0 | 0 | 17:15 - 17:30 | 1 | 0 | 2 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 0 | 0 | 2 | 1 | 17:30 - 17:45 | 2 | 0 | 1 | 1 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 0 | 2 | 0 | 0 | 17:45 - 18:00 | 2 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 0 | 3 | 0 | 0 | 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 1 | 10:15 - 10:30 | 0 | 0 | 0 | 1 | 18:15 - 18:30 | 1 | 1 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 1 | 0 | 0 | 0 | 18:30 - 18:45 | 3 | 0 | 2 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 0 | 1 | 0 | 0 | 18:45 - 19:00 | 1 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 1 | 1 | 0 | 0 | 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 1 | 0 | 1 | 11:15 - 11:30 | 0 | 1 | 0 | 1 | 19:15 - 19:30 | 1 | 0 | 1 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 1 | 11:30 - 11:45 | 0 | 1 | 0 | 0 | 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 0 | 2 | 0 | 0 | 19:45 - 20:00 | 0 | 0 | 0 | 1 |
| 04:00 - 04:15 | 0 | 0 | 1 | 0 | 12:00 - 12:15 | 1 | 3 | 1 | 0 | 20:00 - 20:15 | 1 | 0 | 1 | 1 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 1 | 0 | 1 | 0 | 20:15 - 20:30 | 1 | 2 | 1 | 0 |
| 04:30 - 04:45 | 0 | 1 | 0 | 0 | 12:30 - 12:45 | 0 | 1 | 0 | 1 | 20:30 - 20:45 | 3 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 1 | 12:45 - 13:00 | 1 | 2 | 1 | 0 | 20:45 - 21:00 | 1 | 0 | 1 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 1 | 13:00 - 13:15 | 2 | 0 | 1 | 0 | 21:00 - 21:15 | 1 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 0 | 3 | 21:15 - 21:30 | 2 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 | 13:30 - 13:45 | 0 | 0 | 0 | 0 | 21:30 - 21:45 | 1 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 4 | 0 | 0 | 0 | 21:45 - 22:00 | 2 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 | 14:00 - 14:15 | 2 | 0 | 1 | 0 | 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 3 | 0 | 0 | 0 | 22:15 - 22:30 | 1 | 1 | 0 | 0 |
| 06:30 - 06:45 | 0 | 1 | 0 | 0 | 14:30 - 14:45 | 1 | 1 | 0 | 0 | 22:30 - 22:45 | 1 | 0 | 1 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 1 | 0 | 3 | 1 | 22:45 - 23:00 | 2 | 1 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 | 15:00 - 15:15 | 3 | 0 | 1 | 0 | 23:00 - 23:15 | 0 | 1 | 0 | 0 |
| 07:15 - 07:30 | 0 | 1 | 1 | 0 | 15:15 - 15:30 | 4 | 0 | 0 | 1 | 23:15 - 23:30 | 0 | 0 | 0 | 1 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 | 15:30 - 15:45 | 4 | 2 | 0 | 1 | 23:30 - 23:45 | 0 | 1 | 0 | 0 |
| 07:45 - 08:00 | 0 | 0 | 0 | 0 | 15:45 - 16:00 | 5 | 0 | 0 | 0 | 23:45 - 24:00 | 1 | 0 | 0 | 0 |
| | | | | | | | | | | TOTAL | 65 | 34 | 29 | 23 |
| | | | | | | | | | | Difference | 31 | | 6 | |
| | | | | | | | | | | % Error | 91% | | 26% | |

## PEDESTRIAN COUNTS
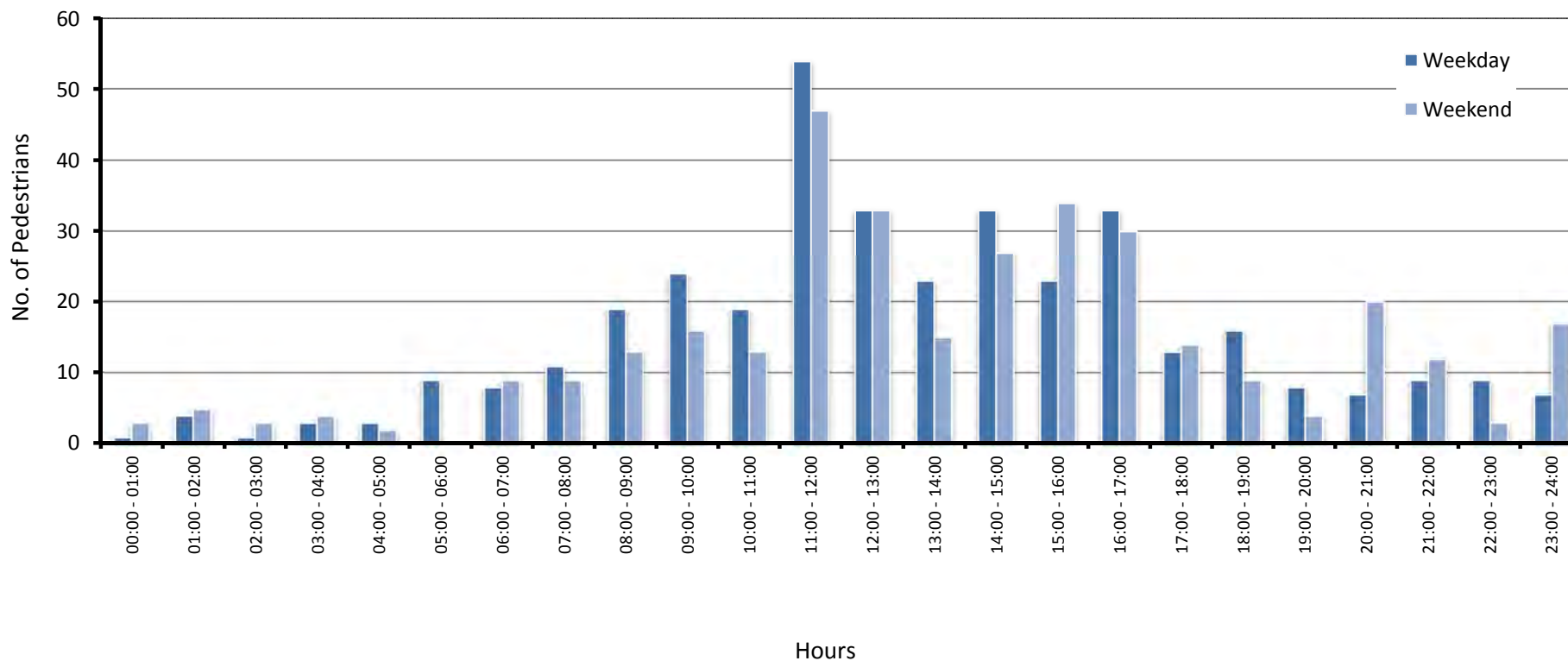
## PEDESTRIAN DATA

| TIME | Weekday (11/20/2014) EAST | Weekday (11/20/2014) WEST | Weekend (11/22/2014) EAST | Weekend (11/22/2014) WEST |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 1 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 3 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 3 |
| 01:15 - 01:30 | 0 | 1 | 0 | 1 |
| 01:30 - 01:45 | 0 | 2 | 0 | 1 |
| 01:45 - 02:00 | 1 | 0 | 0 | 0 |
| 02:00 - 02:15 | 1 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 1 | 1 |
| 02:30 - 02:45 | 0 | 0 | 0 | 1 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 2 | 1 | 0 |
| 03:15 - 03:30 | 0 | 0 | 1 | 0 |
| 03:30 - 03:45 | 0 | 1 | 1 | 1 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 1 | 2 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 1 | 1 | 0 | 0 |
| 05:00 - 05:15 | 1 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 1 | 0 | 0 |
| 05:30 - 05:45 | 0 | 5 | 0 | 0 |
| 05:45 - 06:00 | 0 | 2 | 0 | 0 |
| 06:00 - 06:15 | 1 | 0 | 5 | 0 |
| 06:15 - 06:30 | 0 | 2 | 1 | 1 |
| 06:30 - 06:45 | 2 | 2 | 1 | 1 |
| 06:45 - 07:00 | 1 | 0 | 0 | 0 |
| 07:00 - 07:15 | 0 | 1 | 2 | 2 |
| 07:15 - 07:30 | 4 | 3 | 1 | 0 |
| 07:30 - 07:45 | 0 | 1 | 1 | 1 |
| 07:45 - 08:00 | 0 | 2 | 0 | 2 |
| 08:00 - 08:15 | 3 | 1 | 2 | 2 |
| 08:15 - 08:30 | 5 | 1 | 1 | 2 |
| 08:30 - 08:45 | 1 | 3 | 1 | 1 |
| 08:45 - 09:00 | 1 | 4 | 2 | 2 |
| 09:00 - 09:15 | 5 | 1 | 3 | 1 |
| 09:15 - 09:30 | 0 | 1 | 1 | 1 |
| 09:30 - 09:45 | 2 | 6 | 2 | 1 |
| 09:45 - 10:00 | 3 | 6 | 1 | 6 |
| 10:00 - 10:15 | 3 | 3 | 2 | 5 |
| 10:15 - 10:30 | 2 | 1 | 1 | 2 |
| 10:30 - 10:45 | 3 | 0 | 0 | 2 |
| 10:45 - 11:00 | 0 | 7 | 1 | 0 |
| 11:00 - 11:15 | 5 | 10 | 2 | 6 |
| 11:15 - 11:30 | 8 | 8 | 4 | 2 |
| 11:30 - 11:45 | 4 | 5 | 2 | 5 |
| 11:45 - 12:00 | 4 | 10 | 6 | 20 |
| 12:00 - 12:15 | 3 | 10 | 2 | 4 |
| 12:15 - 12:30 | 1 | 4 | 7 | 5 |
| 12:30 - 12:45 | 5 | 1 | 2 | 4 |
| 12:45 - 13:00 | 6 | 3 | 3 | 6 |
| 13:00 - 13:15 | 3 | 6 | 2 | 8 |
| 13:15 - 13:30 | 2 | 5 | 2 | 0 |
| 13:30 - 13:45 | 4 | 3 | 1 | 0 |
| 13:45 - 14:00 | 0 | 0 | 0 | 2 |
| 14:00 - 14:15 | 6 | 3 | 1 | 2 |
| 14:15 - 14:30 | 6 | 2 | 0 | 2 |
| 14:30 - 14:45 | 6 | 4 | 2 | 6 |
| 14:45 - 15:00 | 1 | 5 | 8 | 6 |
| 15:00 - 15:15 | 0 | 5 | 0 | 3 |
| 15:15 - 15:30 | 5 | 3 | 1 | 7 |
| 15:30 - 15:45 | 0 | 3 | 4 | 2 |
| 15:45 - 16:00 | 2 | 5 | 10 | 7 |
| 16:00 - 16:15 | 4 | 0 | 1 | 5 |
| 16:15 - 16:30 | 11 | 2 | 2 | 5 |
| 16:30 - 16:45 | 3 | 3 | 7 | 7 |
| 16:45 - 17:00 | 4 | 6 | 2 | 1 |
| 17:00 - 17:15 | 2 | 1 | 1 | 2 |
| 17:15 - 17:30 | 0 | 3 | 5 | 4 |
| 17:30 - 17:45 | 3 | 0 | 1 | 0 |
| 17:45 - 18:00 | 1 | 3 | 1 | 0 |
| 18:00 - 18:15 | 3 | 3 | 0 | 3 |
| 18:15 - 18:30 | 4 | 0 | 1 | 1 |
| 18:30 - 18:45 | 1 | 2 | 1 | 1 |
| 18:45 - 19:00 | 0 | 3 | 2 | 0 |
| 19:00 - 19:15 | 2 | 2 | 0 | 2 |
| 19:15 - 19:30 | 0 | 0 | 0 | 2 |
| 19:30 - 19:45 | 0 | 1 | 0 | 0 |
| 19:45 - 20:00 | 3 | 0 | 0 | 0 |
| 20:00 - 20:15 | 2 | 4 | 8 | 2 |
| 20:15 - 20:30 | 0 | 1 | 0 | 0 |
| 20:30 - 20:45 | 0 | 0 | 2 | 6 |
| 20:45 - 21:00 | 0 | 0 | 0 | 2 |
| 21:00 - 21:15 | 0 | 1 | 0 | 0 |
| 21:15 - 21:30 | 0 | 2 | 0 | 0 |
| 21:30 - 21:45 | 3 | 0 | 3 | 6 |
| 21:45 - 22:00 | 0 | 3 | 1 | 2 |
| 22:00 - 22:15 | 2 | 1 | 0 | 0 |
| 22:15 - 22:30 | 1 | 2 | 0 | 0 |
| 22:30 - 22:45 | 0 | 0 | 1 | 0 |
| 22:45 - 23:00 | 2 | 1 | 0 | 2 |
| 23:00 - 23:15 | 0 | 5 | 0 | 11 |
| 23:15 - 23:30 | 1 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 2 |
| 23:45 - 24:00 | 0 | 1 | 2 | 2 |
| **TOTAL** | **163** | **207** | **137** | **205** |

**Maryland Pkwy. south of E. Sahara Ave.**

Maryland Pkwy.

Sahara Ave.

Ped Counters

Bike Tubes

Video Camera
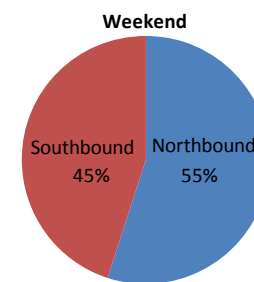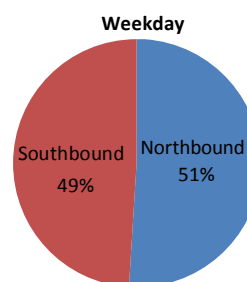






## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 74
- Total Weekend Bike Count: 86
- Total Bike Traffic for the Period Analyzed: 160

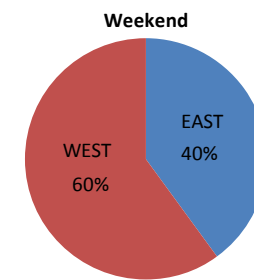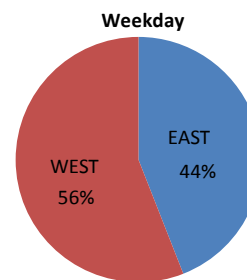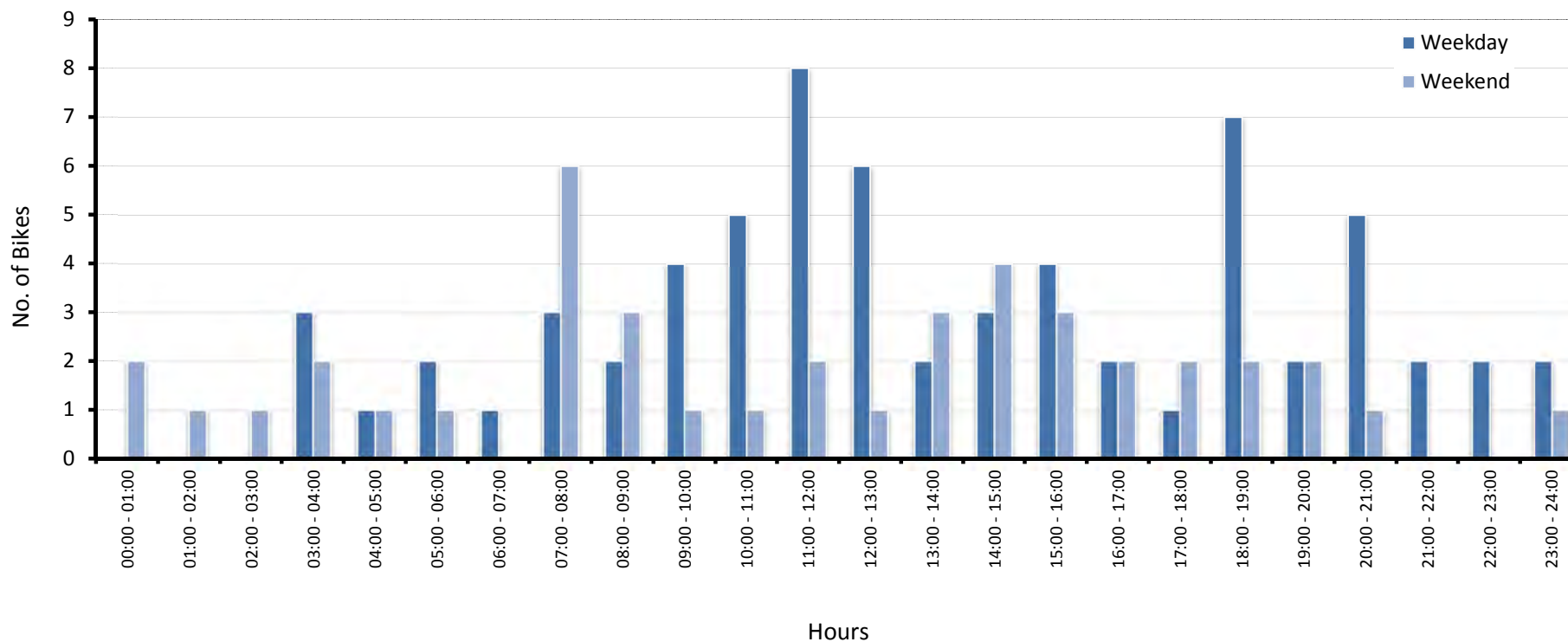### Distribution by Direction

**Weekday**

Southbound 53%
Northbound 47%

**Weekend**

Southbound 67%
Northbound 33%
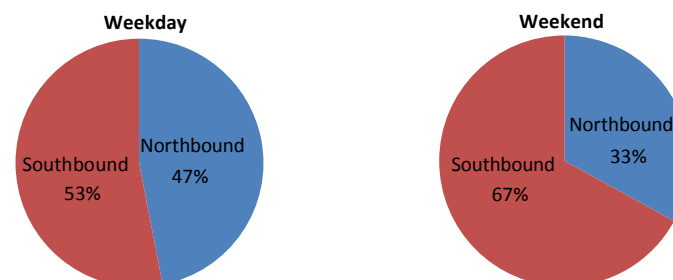
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 716
- Total Weekend Pedestrian Count: 589
- Total Pedestrian Traffic for the Period Analyzed: 1,305

### Distribution by Sidewalk Side

**Weekday**

WEST 60%
EAST 40%

**Weekend**

WEST 74%
EAST 26%

## BIKE COUNTS

**BIKE DATA**

| TIME | Weekday (05/30/2013) Northbound | Southbound | Weekend (06/01/2013) Northbound | Southbound |
|---|---|---|---|---|
| 00:00 - 00:15 | 1 | 1 | 0 | 1 |
| 00:15 - 00:30 | 0 | 0 | 1 | 0 |
| 00:30 - 00:45 | 1 | 0 | 0 | 3 |
| 00:45 - 01:00 | 0 | 0 | 0 | 1 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 1 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 8 |
| 02:15 - 02:30 | 0 | 0 | 1 | 4 |
| 02:30 - 02:45 | 0 | 0 | 0 | 2 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 1 | 0 | 1 | 2 |
| 03:15 - 03:30 | 0 | 0 | 0 | 1 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 2 |
| 04:00 - 04:15 | 0 | 1 | 2 | 1 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 1 | 0 | 1 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 2 | 0 | 1 | 1 |
| 06:00 - 06:15 | 1 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 2 | 0 | 0 |
| 06:45 - 07:00 | 2 | 0 | 1 | 1 |
| 07:00 - 07:15 | 0 | 1 | 0 | 1 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 1 | 0 |
| 07:45 - 08:00 | 0 | 1 | 0 | 1 |

| TIME | Weekday (05/30/2013) Northbound | Southbound | Weekend (06/01/2013) Northbound | Southbound |
|---|---|---|---|---|
| 08:00 - 08:15 | 2 | 0 | 0 | 0 |
| 08:15 - 08:30 | 1 | 0 | 0 | 0 |
| 08:30 - 08:45 | 0 | 0 | 1 | 0 |
| 08:45 - 09:00 | 1 | 0 | 0 | 2 |
| 09:00 - 09:15 | 0 | 1 | 0 | 2 |
| 09:15 - 09:30 | 1 | 1 | 0 | 0 |
| 09:30 - 09:45 | 0 | 1 | 0 | 0 |
| 09:45 - 10:00 | 1 | 3 | 0 | 0 |
| 10:00 - 10:15 | 0 | 1 | 0 | 1 |
| 10:15 - 10:30 | 1 | 2 | 0 | 0 |
| 10:30 - 10:45 | 1 | 0 | 3 | 0 |
| 10:45 - 11:00 | 4 | 0 | 0 | 2 |
| 11:00 - 11:15 | 1 | 0 | 0 | 1 |
| 11:15 - 11:30 | 1 | 1 | 1 | 1 |
| 11:30 - 11:45 | 1 | 0 | 3 | 0 |
| 11:45 - 12:00 | 0 | 1 | 1 | 0 |
| 12:00 - 12:15 | 1 | 2 | 0 | 0 |
| 12:15 - 12:30 | 0 | 0 | 1 | 0 |
| 12:30 - 12:45 | 0 | 0 | 0 | 0 |
| 12:45 - 13:00 | 1 | 1 | 1 | 0 |
| 13:00 - 13:15 | 0 | 0 | 1 | 1 |
| 13:15 - 13:30 | 0 | 0 | 0 | 0 |
| 13:30 - 13:45 | 1 | 0 | 0 | 0 |
| 13:45 - 14:00 | 1 | 1 | 0 | 2 |
| 14:00 - 14:15 | 1 | 0 | 0 | 0 |
| 14:15 - 14:30 | 0 | 0 | 0 | 0 |
| 14:30 - 14:45 | 0 | 0 | 0 | 0 |
| 14:45 - 15:00 | 0 | 0 | 0 | 0 |
| 15:00 - 15:15 | 0 | 0 | 0 | 0 |
| 15:15 - 15:30 | 0 | 1 | 0 | 0 |
| 15:30 - 15:45 | 0 | 0 | 0 | 0 |
| 15:45 - 16:00 | 1 | 0 | 1 | 0 |

| TIME | Weekday (05/30/2013) Northbound | Southbound | Weekend (06/01/2013) Northbound | Southbound |
|---|---|---|---|---|
| 16:00 - 16:15 | 0 | 0 | 1 | 2 |
| 16:15 - 16:30 | 0 | 0 | 0 | 1 |
| 16:30 - 16:45 | 0 | 1 | 0 | 1 |
| 16:45 - 17:00 | 0 | 1 | 0 | 1 |
| 17:00 - 17:15 | 0 | 0 | 1 | 2 |
| 17:15 - 17:30 | 0 | 1 | 0 | 0 |
| 17:30 - 17:45 | 0 | 2 | 0 | 0 |
| 17:45 - 18:00 | 0 | 3 | 0 | 0 |
| 18:00 - 18:15 | 1 | 1 | 0 | 0 |
| 18:15 - 18:30 | 1 | 0 | 0 | 0 |
| 18:30 - 18:45 | 0 | 0 | 0 | 0 |
| 18:45 - 19:00 | 0 | 1 | 0 | 0 |
| 19:00 - 19:15 | 0 | 0 | 0 | 3 |
| 19:15 - 19:30 | 0 | 0 | 1 | 0 |
| 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 19:45 - 20:00 | 0 | 1 | 1 | 0 |
| 20:00 - 20:15 | 1 | 0 | 0 | 1 |
| 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 20:30 - 20:45 | 0 | 0 | 0 | 1 |
| 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 21:00 - 21:15 | 0 | 1 | 1 | 0 |
| 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 21:30 - 21:45 | 0 | 1 | 1 | 0 |
| 21:45 - 22:00 | 1 | 1 | 0 | 0 |
| 22:00 - 22:15 | 1 | 0 | 0 | 1 |
| 22:15 - 22:30 | 0 | 0 | 0 | 1 |
| 22:30 - 22:45 | 0 | 0 | 0 | 1 |
| 22:45 - 23:00 | 0 | 0 | 1 | 0 |
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 1 | 0 | 0 |
| 23:30 - 23:45 | 0 | 1 | 0 | 0 |
| 23:45 - 24:00 | 1 | 0 | 0 | 0 |
| **TOTAL** | **35** | **39** | **28** | **58** |

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 00:00 - 00:15 | 0 | 0 | 2 | 1 | 08:00 - 08:15 | 1 | 0 | 0 | 0 | 16:00 - 16:15 | 1 | 1 | 0 | 2 |
| 00:15 - 00:30 | 1 | 1 | 0 | 0 | 08:15 - 08:30 | 0 | 0 | 2 | 0 | 16:15 - 16:30 | 0 | 0 | 4 | 1 |
| 00:30 - 00:45 | 0 | 0 | 1 | 3 | 08:30 - 08:45 | 3 | 1 | 2 | 0 | 16:30 - 16:45 | 1 | 0 | 0 | 1 |
| 00:45 - 01:00 | 0 | 0 | 0 | 1 | 08:45 - 09:00 | 1 | 0 | 2 | 2 | 16:45 - 17:00 | 1 | 0 | 1 | 1 |
| 01:00 - 01:15 | 0 | 0 | 1 | 0 | 09:00 - 09:15 | 0 | 0 | 2 | 2 | 17:00 - 17:15 | 1 | 1 | 1 | 2 |
| 01:15 - 01:30 | 1 | 0 | 0 | 1 | 09:15 - 09:30 | 0 | 0 | 1 | 0 | 17:15 - 17:30 | 0 | 0 | 1 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 0 | 0 | 1 | 0 | 17:30 - 17:45 | 2 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 4 | 0 | 09:45 - 10:00 | 3 | 0 | 1 | 0 | 17:45 - 18:00 | 0 | 0 | 1 | 0 |
| 02:00 - 02:15 | 0 | 0 | 1 | 8 | 10:00 - 10:15 | 2 | 0 | 0 | 1 | 18:00 - 18:15 | 2 | 0 | 1 | 0 |
| 02:15 - 02:30 | 2 | 1 | 3 | 4 | 10:15 - 10:30 | 6 | 0 | 0 | 0 | 18:15 - 18:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 2 | 10:30 - 10:45 | 0 | 3 | 1 | 0 | 18:30 - 18:45 | 2 | 0 | 2 | 0 |
| 02:45 - 03:00 | 0 | 0 | 1 | 0 | 10:45 - 11:00 | 3 | 0 | 3 | 2 | 18:45 - 19:00 | 1 | 0 | 0 | 0 |
| 03:00 - 03:15 | 1 | 1 | 1 | 2 | 11:00 - 11:15 | 1 | 0 | 2 | 1 | 19:00 - 19:15 | 0 | 0 | 0 | 3 |
| 03:15 - 03:30 | 0 | 0 | 0 | 1 | 11:15 - 11:30 | 1 | 1 | 0 | 1 | 19:15 - 19:30 | 1 | 1 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 3 | 3 | 0 | 0 | 19:30 - 19:45 | 1 | 0 | 1 | 0 |
| 03:45 - 04:00 | 0 | 0 | 1 | 2 | 11:45 - 12:00 | 1 | 1 | 2 | 0 | 19:45 - 20:00 | 1 | 1 | 2 | 0 |
| 04:00 - 04:15 | 0 | 2 | 1 | 1 | 12:00 - 12:15 | 0 | 0 | 2 | 0 | 20:00 - 20:15 | 3 | 0 | 1 | 1 |
| 04:15 - 04:30 | 1 | 0 | 0 | 0 | 12:15 - 12:30 | 1 | 1 | 1 | 0 | 20:15 - 20:30 | 0 | 0 | 2 | 0 |
| 04:30 - 04:45 | 0 | 0 | 1 | 0 | 12:30 - 12:45 | 3 | 0 | 0 | 0 | 20:30 - 20:45 | 0 | 0 | 3 | 1 |
| 04:45 - 05:00 | 1 | 0 | 0 | 1 | 12:45 - 13:00 | 1 | 1 | 0 | 0 | 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 2 | 1 | 0 | 1 | 21:00 - 21:15 | 0 | 1 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 2 | 0 | 21:15 - 21:30 | 1 | 0 | 1 | 0 |
| 05:30 - 05:45 | 0 | 0 | 1 | 0 | 13:30 - 13:45 | 2 | 0 | 1 | 0 | 21:30 - 21:45 | 1 | 1 | 0 | 0 |
| 05:45 - 06:00 | 1 | 1 | 0 | 1 | 13:45 - 14:00 | 2 | 0 | 1 | 2 | 21:45 - 22:00 | 1 | 0 | 1 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 | 14:00 - 14:15 | 0 | 0 | 1 | 0 | 22:00 - 22:15 | 2 | 0 | 0 | 1 |
| 06:15 - 06:30 | 1 | 0 | 0 | 0 | 14:15 - 14:30 | 0 | 0 | 0 | 0 | 22:15 - 22:30 | 3 | 0 | 0 | 1 |
| 06:30 - 06:45 | 1 | 0 | 2 | 0 | 14:30 - 14:45 | 2 | 0 | 1 | 0 | 22:30 - 22:45 | 0 | 0 | 0 | 1 |
| 06:45 - 07:00 | 1 | 1 | 0 | 1 | 14:45 - 15:00 | 1 | 0 | 1 | 0 | 22:45 - 23:00 | 1 | 1 | 0 | 0 |
| 07:00 - 07:15 | 1 | 0 | 1 | 1 | 15:00 - 15:15 | 2 | 0 | 1 | 0 | 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 1 | 0 | 0 | 0 | 15:15 - 15:30 | 3 | 0 | 0 | 0 | 23:15 - 23:30 | 2 | 0 | 1 | 0 |
| 07:30 - 07:45 | 0 | 1 | 0 | 0 | 15:30 - 15:45 | 3 | 0 | 0 | 0 | 23:30 - 23:45 | 3 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 0 | 1 | 1 | 15:45 - 16:00 | 0 | 1 | 3 | 0 | 23:45 - 24:00 | 0 | 0 | 1 | 0 |
| | | | | | | | | | | TOTAL | 91 | 28 | 79 | 58 |
| | | | | | | | | | | Difference | 63 | | 21 | |
| | | | | | | | | | | **% Error** | **225%** | | **36%** | |

## PEDESTRIAN COUNTS

## PEDESTRIAN DATA

| TIME | Weekday (05/30/2013) | | Weekend (06/01/2013) | |
|---|---|---|---|---|
| | EAST | WEST | EAST | WEST |
| 00:00 - 00:15 | 3 | 0 | 0 | 3 |
| 00:15 - 00:30 | 1 | 0 | 1 | 6 |
| 00:30 - 00:45 | 0 | 0 | 1 | 3 |
| 00:45 - 01:00 | 0 | 1 | 0 | 2 |
| 01:00 - 01:15 | 0 | 1 | 2 | 1 |
| 01:15 - 01:30 | 1 | 3 | 0 | 0 |
| 01:30 - 01:45 | 1 | 0 | 0 | 1 |
| 01:45 - 02:00 | 3 | 1 | 0 | 1 |
| 02:00 - 02:15 | 0 | 1 | 0 | 3 |
| 02:15 - 02:30 | 1 | 0 | 1 | 0 |
| 02:30 - 02:45 | 0 | 1 | 1 | 1 |
| 02:45 - 03:00 | 0 | 1 | 0 | 0 |
| 03:00 - 03:15 | 1 | 1 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 1 |
| 03:30 - 03:45 | 0 | 0 | 1 | 5 |
| 03:45 - 04:00 | 0 | 2 | 2 | 1 |
| 04:00 - 04:15 | 0 | 3 | 0 | 1 |
| 04:15 - 04:30 | 1 | 0 | 0 | 2 |
| 04:30 - 04:45 | 1 | 5 | 1 | 2 |
| 04:45 - 05:00 | 0 | 3 | 0 | 2 |
| 05:00 - 05:15 | 3 | 2 | 0 | 2 |
| 05:15 - 05:30 | 0 | 8 | 1 | 2 |
| 05:30 - 05:45 | 3 | 7 | 1 | 5 |
| 05:45 - 06:00 | 3 | 5 | 2 | 5 |
| 06:00 - 06:15 | 4 | 2 | 2 | 1 |
| 06:15 - 06:30 | 1 | 6 | 2 | 2 |
| 06:30 - 06:45 | 3 | 2 | 2 | 9 |
| 06:45 - 07:00 | 3 | 5 | 1 | 7 |
| 07:00 - 07:15 | 6 | 5 | 1 | 2 |
| 07:15 - 07:30 | 3 | 5 | 0 | 6 |
| 07:30 - 07:45 | 17 | 13 | 3 | 3 |
| 07:45 - 08:00 | 1 | 5 | 0 | 3 |

| TIME | Weekday (05/30/2013) | | Weekend (06/01/2013) | |
|---|---|---|---|---|
| | EAST | WEST | EAST | WEST |
| 08:00 - 08:15 | 3 | 2 | 1 | 5 |
| 08:15 - 08:30 | 2 | 6 | 1 | 1 |
| 08:30 - 08:45 | 0 | 4 | 4 | 10 |
| 08:45 - 09:00 | 2 | 6 | 1 | 6 |
| 09:00 - 09:15 | 5 | 9 | 4 | 4 |
| 09:15 - 09:30 | 3 | 8 | 0 | 7 |
| 09:30 - 09:45 | 5 | 8 | 1 | 8 |
| 09:45 - 10:00 | 3 | 4 | 5 | 4 |
| 10:00 - 10:15 | 10 | 4 | 9 | 13 |
| 10:15 - 10:30 | 4 | 3 | 3 | 7 |
| 10:30 - 10:45 | 7 | 8 | 5 | 8 |
| 10:45 - 11:00 | 6 | 8 | 2 | 4 |
| 11:00 - 11:15 | 4 | 9 | 5 | 7 |
| 11:15 - 11:30 | 3 | 12 | 5 | 3 |
| 11:30 - 11:45 | 4 | 2 | 1 | 8 |
| 11:45 - 12:00 | 3 | 11 | 2 | 7 |
| 12:00 - 12:15 | 9 | 3 | 3 | 6 |
| 12:15 - 12:30 | 9 | 4 | 1 | 11 |
| 12:30 - 12:45 | 10 | 9 | 4 | 5 |
| 12:45 - 13:00 | 5 | 4 | 2 | 6 |
| 13:00 - 13:15 | 7 | 9 | 0 | 10 |
| 13:15 - 13:30 | 2 | 5 | 3 | 2 |
| 13:30 - 13:45 | 4 | 4 | 2 | 14 |
| 13:45 - 14:00 | 0 | 15 | 0 | 3 |
| 14:00 - 14:15 | 5 | 13 | 2 | 11 |
| 14:15 - 14:30 | 13 | 13 | 1 | 3 |
| 14:30 - 14:45 | 3 | 16 | 5 | 7 |
| 14:45 - 15:00 | 6 | 9 | 4 | 6 |
| 15:00 - 15:15 | 11 | 6 | 2 | 11 |
| 15:15 - 15:30 | 3 | 3 | 1 | 8 |
| 15:30 - 15:45 | 3 | 6 | 0 | 5 |
| 15:45 - 16:00 | 2 | 5 | 4 | 5 |

| TIME | Weekday (05/30/2013) | | Weekend (06/01/2013) | |
|---|---|---|---|---|
| | EAST | WEST | EAST | WEST |
| 16:00 - 16:15 | 1 | 9 | 1 | 3 |
| 16:15 - 16:30 | 2 | 7 | 0 | 2 |
| 16:30 - 16:45 | 2 | 3 | 1 | 5 |
| 16:45 - 17:00 | 2 | 1 | 3 | 4 |
| 17:00 - 17:15 | 0 | 8 | 0 | 4 |
| 17:15 - 17:30 | 4 | 1 | 2 | 8 |
| 17:30 - 17:45 | 6 | 7 | 2 | 9 |
| 17:45 - 18:00 | 3 | 6 | 4 | 9 |
| 18:00 - 18:15 | 3 | 3 | 3 | 5 |
| 18:15 - 18:30 | 4 | 1 | 0 | 6 |
| 18:30 - 18:45 | 2 | 3 | 1 | 5 |
| 18:45 - 19:00 | 1 | 3 | 1 | 9 |
| 19:00 - 19:15 | 2 | 1 | 0 | 4 |
| 19:15 - 19:30 | 1 | 1 | 2 | 5 |
| 19:30 - 19:45 | 2 | 7 | 3 | 6 |
| 19:45 - 20:00 | 3 | 4 | 2 | 7 |
| 20:00 - 20:15 | 1 | 5 | 0 | 3 |
| 20:15 - 20:30 | 3 | 2 | 5 | 2 |
| 20:30 - 20:45 | 0 | 4 | 3 | 9 |
| 20:45 - 21:00 | 0 | 1 | 0 | 3 |
| 21:00 - 21:15 | 8 | 7 | 1 | 5 |
| 21:15 - 21:30 | 2 | 2 | 2 | 0 |
| 21:30 - 21:45 | 2 | 3 | 0 | 6 |
| 21:45 - 22:00 | 6 | 8 | 0 | 1 |
| 22:00 - 22:15 | 1 | 3 | 1 | 1 |
| 22:15 - 22:30 | 3 | 1 | 1 | 0 |
| 22:30 - 22:45 | 2 | 4 | 0 | 1 |
| 22:45 - 23:00 | 3 | 0 | 5 | 6 |
| 23:00 - 23:15 | 0 | 1 | 0 | 3 |
| 23:15 - 23:30 | 1 | 2 | 2 | 1 |
| 23:30 - 23:45 | 0 | 1 | 1 | 3 |
| 23:45 - 24:00 | 2 | 3 | 1 | 2 |
| TOTAL | 288 | 428 | 155 | 434 |

## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera | TIME | Ped Counter | Video Camera | Ped Counter | Video Camera | TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 3 | 08:00 - 08:15 | 4 | 1 | 0 | 5 | 16:00 - 16:15 | 5 | 1 | 0 | 3 |
| 00:15 - 00:30 | | 1 | 0 | 6 | 08:15 - 08:30 | | 1 | 0 | 1 | 16:15 - 16:30 | | 0 | 0 | 2 |
| 00:30 - 00:45 | | 1 | 0 | 3 | 08:30 - 08:45 | | 4 | 0 | 10 | 16:30 - 16:45 | | 1 | 0 | 5 |
| 00:45 - 01:00 | | 0 | 0 | 2 | 08:45 - 09:00 | | 1 | 0 | 6 | 16:45 - 17:00 | | 3 | 0 | 4 |
| 01:00 - 01:15 | 1 | 2 | 0 | 1 | 09:00 - 09:15 | 5 | 4 | 0 | 4 | 17:00 - 17:15 | 10 | 0 | 1 | 4 |
| 01:15 - 01:30 | | 0 | 0 | 0 | 09:15 - 09:30 | | 0 | 0 | 7 | 17:15 - 17:30 | | 2 | 0 | 8 |
| 01:30 - 01:45 | | 0 | 0 | 1 | 09:30 - 09:45 | | 1 | 0 | 8 | 17:30 - 17:45 | | 2 | 0 | 9 |
| 01:45 - 02:00 | | 0 | 0 | 1 | 09:45 - 10:00 | | 5 | 1 | 4 | 17:45 - 18:00 | | 4 | 0 | 9 |
| 02:00 - 02:15 | 1 | 0 | 0 | 3 | 10:00 - 10:15 | 11 | 9 | 0 | 13 | 18:00 - 18:15 | 6 | 3 | 0 | 5 |
| 02:15 - 02:30 | | 1 | 0 | 0 | 10:15 - 10:30 | | 3 | 0 | 7 | 18:15 - 18:30 | | 0 | 0 | 6 |
| 02:30 - 02:45 | | 1 | 0 | 1 | 10:30 - 10:45 | | 5 | 0 | 8 | 18:30 - 18:45 | | 1 | 0 | 5 |
| 02:45 - 03:00 | | 0 | 0 | 0 | 10:45 - 11:00 | | 2 | 0 | 4 | 18:45 - 19:00 | | 1 | 1 | 9 |
| 03:00 - 03:15 | 2 | 0 | 0 | 0 | 11:00 - 11:15 | 15 | 5 | 0 | 7 | 19:00 - 19:15 | 2 | 0 | 0 | 4 |
| 03:15 - 03:30 | | 0 | 0 | 1 | 11:15 - 11:30 | | 5 | 0 | 3 | 19:15 - 19:30 | | 2 | 0 | 5 |
| 03:30 - 03:45 | | 1 | 0 | 5 | 11:30 - 11:45 | | 1 | 0 | 8 | 19:30 - 19:45 | | 3 | 0 | 6 |
| 03:45 - 04:00 | | 2 | 0 | 1 | 11:45 - 12:00 | | 2 | 0 | 7 | 19:45 - 20:00 | | 2 | 0 | 7 |
| 04:00 - 04:15 | 1 | 0 | 0 | 1 | 12:00 - 12:15 | 13 | 3 | 0 | 6 | 20:00 - 20:15 | 6 | 0 | 0 | 3 |
| 04:15 - 04:30 | | 0 | 0 | 2 | 12:15 - 12:30 | | 1 | 0 | 11 | 20:15 - 20:30 | | 5 | 0 | 2 |
| 04:30 - 04:45 | | 1 | 0 | 2 | 12:30 - 12:45 | | 4 | 0 | 5 | 20:30 - 20:45 | | 3 | 0 | 9 |
| 04:45 - 05:00 | | 0 | 0 | 2 | 12:45 - 13:00 | | 2 | 0 | 6 | 20:45 - 21:00 | | 0 | 0 | 3 |
| 05:00 - 05:15 | 1 | 0 | 0 | 2 | 13:00 - 13:15 | 8 | 0 | 1 | 10 | 21:00 - 21:15 | 2 | 1 | 0 | 5 |
| 05:15 - 05:30 | | 1 | 0 | 2 | 13:15 - 13:30 | | 3 | 2 | 2 | 21:15 - 21:30 | | 2 | 0 | 0 |
| 05:30 - 05:45 | | 1 | 0 | 5 | 13:30 - 13:45 | | 2 | 0 | 14 | 21:30 - 21:45 | | 0 | 0 | 6 |
| 05:45 - 06:00 | | 2 | 0 | 5 | 13:45 - 14:00 | | 0 | 0 | 3 | 21:45 - 22:00 | | 0 | 0 | 1 |
| 06:00 - 06:15 | 5 | 2 | 0 | 1 | 14:00 - 14:15 | 8 | 2 | 1 | 11 | 22:00 - 22:15 | 0 | 1 | 0 | 1 |
| 06:15 - 06:30 | | 2 | 0 | 2 | 14:15 - 14:30 | | 1 | 0 | 3 | 22:15 - 22:30 | | 1 | 0 | 0 |
| 06:30 - 06:45 | | 2 | 0 | 9 | 14:30 - 14:45 | | 5 | 0 | 7 | 22:30 - 22:45 | | 0 | 0 | 1 |
| 06:45 - 07:00 | | 1 | 0 | 7 | 14:45 - 15:00 | | 4 | 0 | 6 | 22:45 - 23:00 | | 5 | 0 | 6 |
| 07:00 - 07:15 | 4 | 1 | 0 | 2 | 15:00 - 15:15 | 5 | 2 | 2 | 11 | 23:00 - 23:15 | 4 | 0 | 0 | 3 |
| 07:15 - 07:30 | | 0 | 0 | 6 | 15:15 - 15:30 | | 1 | 0 | 8 | 23:15 - 23:30 | | 2 | 0 | 1 |
| 07:30 - 07:45 | | 3 | 0 | 3 | 15:30 - 15:45 | | 0 | 0 | 5 | 23:30 - 23:45 | | 1 | 0 | 3 |
| 07:45 - 08:00 | | 0 | 0 | 3 | 15:45 - 16:00 | | 4 | 0 | 5 | 23:45 - 24:00 | | 1 | 0 | 2 |
| | | | | | | | | | | TOTAL | 119 | 155 | 9 | 434 |
| | | | | | | | | | | Difference | -36 | | -425 | |
| | | | | | | | | | | % Error | -23% | | -98% | |

# Pecos Rd. north of Wigwam Pkwy.

RTC

CA Group, Inc
CAVIOLA ANSON



Pecos Rd.

Video Camera

Wigwam Pkwy.

Bike Tubes

35m
100ft

## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 17
- Total Weekend Bike Count: 32
- Total Bike Traffic for the Period Analyzed: 49

### Distribution by Direction

**Weekday**

Southbound 35%
Northbound 65%

**Weekend**

Southbound 34%
Northbound 66%
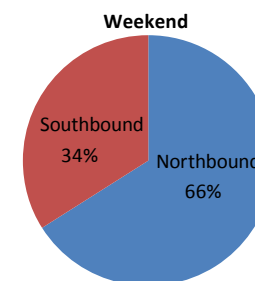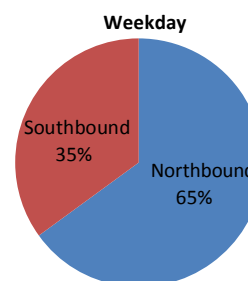
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 55
- Total Weekend Pedestrian Count: 32
- Total Pedestrian Traffic for the Period Analyzed: 87

### Distribution by Sidewalk Side

**Weekday**

WEST 24%
EAST 76%

**Weekend**

WEST 34%
EAST 66%






BIKE ROUTE

**BIKE COUNTS**

## BIKE DATA

| TIME | Weekday (02/06/2014) | | Weekend (02/08/2014) | | TIME | Weekday (02/06/2014) | | Weekend (02/08/2014) | | TIME | Weekday (02/06/2014) | | Weekend (02/08/2014) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Northbound | Southbound | Northbound | Southbound | | Northbound | Southbound | Northbound | Southbound | | Northbound | Southbound | Northbound | Southbound |
| 23:00 - 23:15 | 1 | 0 | 2 | 0 | 07:00 - 07:15 | 0 | 0 | 0 | 0 | 15:00 - 15:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 1 | 0 | 07:15 - 07:30 | 0 | 0 | 0 | 0 | 15:15 - 15:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 | 07:30 - 07:45 | 0 | 0 | 0 | 0 | 15:30 - 15:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 | 07:45 - 08:00 | 0 | 0 | 0 | 0 | 15:45 - 16:00 | 0 | 0 | 0 | 0 |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 0 | 0 | 0 | 0 | 16:00 - 16:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 1 | 0 | 0 | 08:15 - 08:30 | 1 | 0 | 0 | 0 | 16:15 - 16:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 1 | 0 | 0 | 08:30 - 08:45 | 0 | 0 | 0 | 0 | 16:30 - 16:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 1 | 08:45 - 09:00 | 0 | 0 | 0 | 0 | 16:45 - 17:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 3 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 0 | 17:00 - 17:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 1 | 0 | 09:15 - 09:30 | 0 | 0 | 0 | 0 | 17:15 - 17:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 0 | 0 | 0 | 0 | 17:30 - 17:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 0 | 0 | 0 | 0 | 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 1 | 1 | 0 | 2 | 10:00 - 10:15 | 0 | 0 | 0 | 0 | 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 1 | 0 | 10:15 - 10:30 | 0 | 0 | 0 | 0 | 18:15 - 18:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 0 | 0 | 0 | 0 | 18:30 - 18:45 | 1 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 2 | 0 | 10:45 - 11:00 | 0 | 0 | 0 | 0 | 18:45 - 19:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 1 | 2 | 11:00 - 11:15 | 0 | 0 | 0 | 0 | 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 1 | 11:15 - 11:30 | 0 | 0 | 0 | 0 | 19:15 - 19:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 0 | 0 | 0 | 0 | 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 1 | 0 | 1 | 0 | 11:45 - 12:00 | 0 | 0 | 0 | 0 | 19:45 - 20:00 | 0 | 0 | 1 | 1 |
| 04:00 - 04:15 | 1 | 2 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 0 | 0 | 20:00 - 20:15 | 2 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 0 | 20:15 - 20:30 | 1 | 0 | 0 | 0 |
| 04:30 - 04:45 | 1 | 0 | 0 | 0 | 12:30 - 12:45 | 0 | 0 | 0 | 0 | 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 0 | 0 | 0 | 0 | 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 0 | 0 | 0 | 0 | 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 0 | 0 | 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 1 | 0 | 0 | 0 | 13:30 - 13:45 | 0 | 0 | 0 | 0 | 21:30 - 21:45 | 0 | 0 | 6 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 0 | 0 | 0 | 0 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 | 14:00 - 14:15 | 0 | 0 | 0 | 0 | 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 0 | 0 | 0 | 0 | 22:15 - 22:30 | 0 | 0 | 2 | 4 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 | 14:30 - 14:45 | 0 | 0 | 0 | 0 | 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 0 | 1 | 0 | 0 | 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | TOTAL | 11 | 6 | 21 | 11 |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23:00 - 23:15 | 0 | 2 | 0 | 0 | 07:00 - 07:15 | 0 | 0 | 0 | 0 | 15:00 - 15:15 | 2 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 1 | 0 | 0 | 07:15 - 07:30 | 0 | 0 | 0 | 0 | 15:15 - 15:30 | 1 | 0 | 2 | 0 |
| 23:30 - 23:45 | 1 | 0 | 0 | 0 | 07:30 - 07:45 | 0 | 0 | 0 | 0 | 15:30 - 15:45 | 2 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 | 07:45 - 08:00 | 1 | 0 | 0 | 0 | 15:45 - 16:00 | 1 | 0 | 2 | 0 |
| 00:00 - 00:15 | 0 | 0 | 1 | 0 | 08:00 - 08:15 | 0 | 0 | 0 | 0 | 16:00 - 16:15 | 3 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 1 | 0 | 0 | 0 | 16:15 - 16:30 | 3 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 | 08:30 - 08:45 | 2 | 0 | 0 | 0 | 16:30 - 16:45 | 3 | 0 | 1 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 1 | 08:45 - 09:00 | 0 | 0 | 0 | 0 | 16:45 - 17:00 | 1 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 3 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 0 | 17:00 - 17:15 | 1 | 0 | 1 | 0 |
| 01:15 - 01:30 | 0 | 1 | 0 | 0 | 09:15 - 09:30 | 0 | 0 | 0 | 0 | 17:15 - 17:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 3 | 0 | 0 | 0 | 17:30 - 17:45 | 1 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 1 | 0 | 09:45 - 10:00 | 2 | 0 | 0 | 0 | 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 2 | 10:00 - 10:15 | 0 | 0 | 0 | 0 | 18:00 - 18:15 | 1 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 1 | 0 | 0 | 10:15 - 10:30 | 0 | 0 | 0 | 0 | 18:15 - 18:30 | 1 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 2 | 0 | 0 | 0 | 18:30 - 18:45 | 1 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 2 | 0 | 0 | 10:45 - 11:00 | 0 | 0 | 2 | 0 | 18:45 - 19:00 | 2 | 0 | 0 | 0 |
| 03:00 - 03:15 | 2 | 1 | 0 | 2 | 11:00 - 11:15 | 0 | 0 | 0 | 0 | 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 1 | 11:15 - 11:30 | 1 | 0 | 0 | 0 | 19:15 - 19:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 1 | 0 | 0 | 0 | 11:30 - 11:45 | 1 | 0 | 0 | 0 | 19:30 - 19:45 | 0 | 0 | 1 | 0 |
| 03:45 - 04:00 | 0 | 1 | 0 | 0 | 11:45 - 12:00 | 3 | 0 | 0 | 0 | 19:45 - 20:00 | 0 | 1 | 0 | 1 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:00 - 12:15 | 2 | 0 | 0 | 0 | 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 0 | 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 | 12:30 - 12:45 | 0 | 0 | 0 | 0 | 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 1 | 0 | 0 | 0 | 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 0 | 0 | 0 | 0 | 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 1 | 0 | 1 | 0 | 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 | 13:30 - 13:45 | 2 | 0 | 0 | 0 | 21:30 - 21:45 | 0 | 6 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 2 | 0 | 0 | 0 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 | 14:00 - 14:15 | 1 | 0 | 0 | 0 | 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 0 | 0 | 2 | 0 | 22:15 - 22:30 | 0 | 2 | 1 | 4 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 | 14:30 - 14:45 | 2 | 0 | 0 | 0 | 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 2 | 0 | 0 | 0 | 14:45 - 15:00 | 1 | 0 | 1 | 0 | 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | TOTAL | 57 | 21 | 16 | 11 |
| | | | | | | | | | | Difference | 36 | | 5 | |
| | | | | | | | | | | % Error | 171% | | 45% | |

**PEDESTRIAN COUNTS**

# PEDESTRIAN DATA

| TIME | Weekday (02/06/2014) EAST | Weekday (02/06/2014) WEST | Weekend (02/08/2014) EAST | Weekend (02/08/2014) WEST |
|---|---|---|---|---|
| 23:00 - 23:15 | 2 | 0 | 2 | 0 |
| 23:15 - 23:30 | 2 | 0 | 1 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 1 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 1 | 1 | 0 | 1 |
| 01:00 - 01:15 | 0 | 0 | 3 | 0 |
| 01:15 - 01:30 | 0 | 1 | 1 | 0 |
| 01:30 - 01:45 | 2 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 2 | 0 | 0 | 2 |
| 02:15 - 02:30 | 2 | 0 | 1 | 0 |
| 02:30 - 02:45 | 1 | 1 | 0 | 0 |
| 02:45 - 03:00 | 1 | 0 | 2 | 0 |
| 03:00 - 03:15 | 1 | 0 | 1 | 2 |
| 03:15 - 03:30 | 0 | 0 | 0 | 1 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 2 | 1 | 1 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 2 | 0 | 0 | 0 |
| 04:30 - 04:45 | 2 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 1 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 2 | 0 | 0 | 0 |
| 05:30 - 05:45 | 2 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 1 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 1 | 0 | 0 | 0 |

| TIME | Weekday (02/06/2014) EAST | Weekday (02/06/2014) WEST | Weekend (02/08/2014) EAST | Weekend (02/08/2014) WEST |
|---|---|---|---|---|
| 07:00 - 07:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 1 | 0 | 0 | 0 |
| 07:45 - 08:00 | 1 | 0 | 0 | 0 |
| 08:00 - 08:15 | 0 | 0 | 0 | 0 |
| 08:15 - 08:30 | 0 | 0 | 0 | 0 |
| 08:30 - 08:45 | 0 | 0 | 0 | 0 |
| 08:45 - 09:00 | 0 | 0 | 0 | 0 |
| 09:00 - 09:15 | 1 | 0 | 0 | 0 |
| 09:15 - 09:30 | 0 | 0 | 0 | 0 |
| 09:30 - 09:45 | 0 | 0 | 0 | 0 |
| 09:45 - 10:00 | 0 | 0 | 0 | 0 |
| 10:00 - 10:15 | 0 | 0 | 0 | 0 |
| 10:15 - 10:30 | 0 | 0 | 0 | 0 |
| 10:30 - 10:45 | 0 | 0 | 0 | 0 |
| 10:45 - 11:00 | 1 | 0 | 0 | 0 |
| 11:00 - 11:15 | 0 | 0 | 0 | 0 |
| 11:15 - 11:30 | 0 | 1 | 0 | 0 |
| 11:30 - 11:45 | 0 | 0 | 0 | 0 |
| 11:45 - 12:00 | 0 | 1 | 0 | 0 |
| 12:00 - 12:15 | 0 | 0 | 0 | 0 |
| 12:15 - 12:30 | 0 | 0 | 0 | 0 |
| 12:30 - 12:45 | 0 | 0 | 0 | 0 |
| 12:45 - 13:00 | 0 | 0 | 0 | 0 |
| 13:00 - 13:15 | 0 | 0 | 0 | 0 |
| 13:15 - 13:30 | 0 | 0 | 0 | 0 |
| 13:30 - 13:45 | 0 | 0 | 0 | 0 |
| 13:45 - 14:00 | 0 | 0 | 0 | 0 |
| 14:00 - 14:15 | 0 | 0 | 0 | 0 |
| 14:15 - 14:30 | 1 | 0 | 0 | 0 |
| 14:30 - 14:45 | 0 | 0 | 0 | 0 |
| 14:45 - 15:00 | 0 | 0 | 0 | 0 |

| TIME | Weekday (02/06/2014) EAST | Weekday (02/06/2014) WEST | Weekend (02/08/2014) EAST | Weekend (02/08/2014) WEST |
|---|---|---|---|---|
| 15:00 - 15:15 | 0 | 0 | 0 | 0 |
| 15:15 - 15:30 | 0 | 0 | 0 | 0 |
| 15:30 - 15:45 | 0 | 0 | 0 | 0 |
| 15:45 - 16:00 | 0 | 0 | 0 | 0 |
| 16:00 - 16:15 | 0 | 0 | 0 | 0 |
| 16:15 - 16:30 | 0 | 0 | 0 | 0 |
| 16:30 - 16:45 | 0 | 0 | 0 | 0 |
| 16:45 - 17:00 | 0 | 0 | 0 | 0 |
| 17:00 - 17:15 | 0 | 0 | 0 | 0 |
| 17:15 - 17:30 | 0 | 0 | 0 | 0 |
| 17:30 - 17:45 | 1 | 0 | 0 | 0 |
| 17:45 - 18:00 | 1 | 0 | 0 | 0 |
| 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 18:15 - 18:30 | 0 | 0 | 0 | 0 |
| 18:30 - 18:45 | 0 | 0 | 0 | 0 |
| 18:45 - 19:00 | 1 | 0 | 0 | 0 |
| 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 19:15 - 19:30 | 1 | 1 | 0 | 0 |
| 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 19:45 - 20:00 | 0 | 0 | 1 | 1 |
| 20:00 - 20:15 | 2 | 0 | 0 | 0 |
| 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 21:00 - 21:15 | 0 | | 0 | 0 |
| 21:15 - 21:30 | 0 | 2 | 0 | 0 |
| 21:30 - 21:45 | 4 | | 6 | 0 |
| 21:45 - 22:00 | 0 | | 0 | 0 |
| 22:00 - 22:15 | 0 | | 0 | 0 |
| 22:15 - 22:30 | 1 | 2 | 2 | 4 |
| 22:30 - 22:45 | 0 | | 0 | 0 |
| 22:45 - 23:00 | 0 | | 0 | 0 |
| TOTAL | 42 | 13 | 21 | 11 |

▨ Estimated counts using correction factor

**E. Silverado Ranch Blvd. west of S. Maryland Pkwy.**

RTC

CA Group, Inc
CAVIOLA · ANSON



Maryland Pkwy.

Ped Counters

Bike Tubes

Video Camera

Silverado Ranch Blvd.

35m
100ft

GISMO
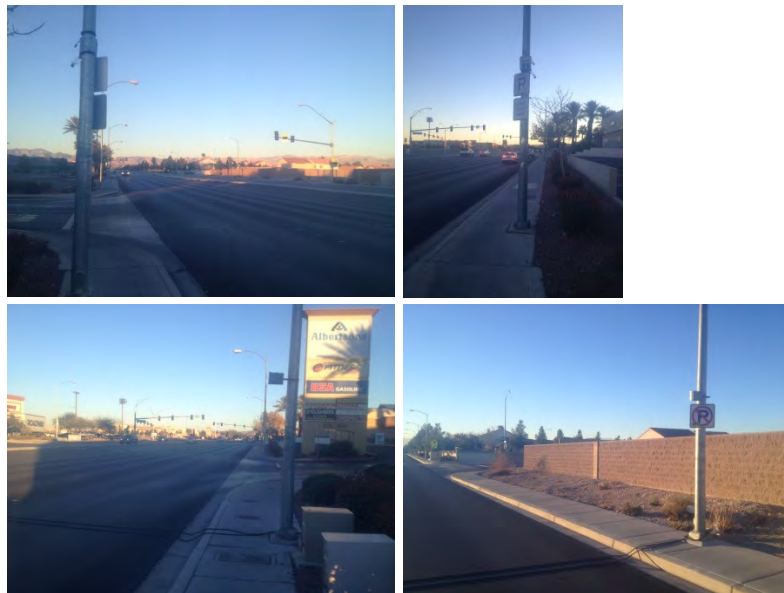





## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 41
- Total Weekend Bike Count: 32
- Total Bike Traffic for the Period Analyzed: 73

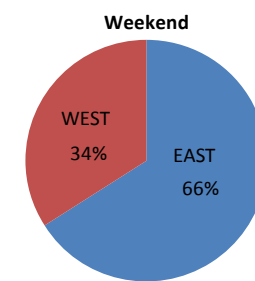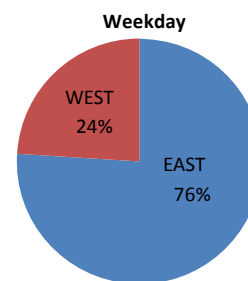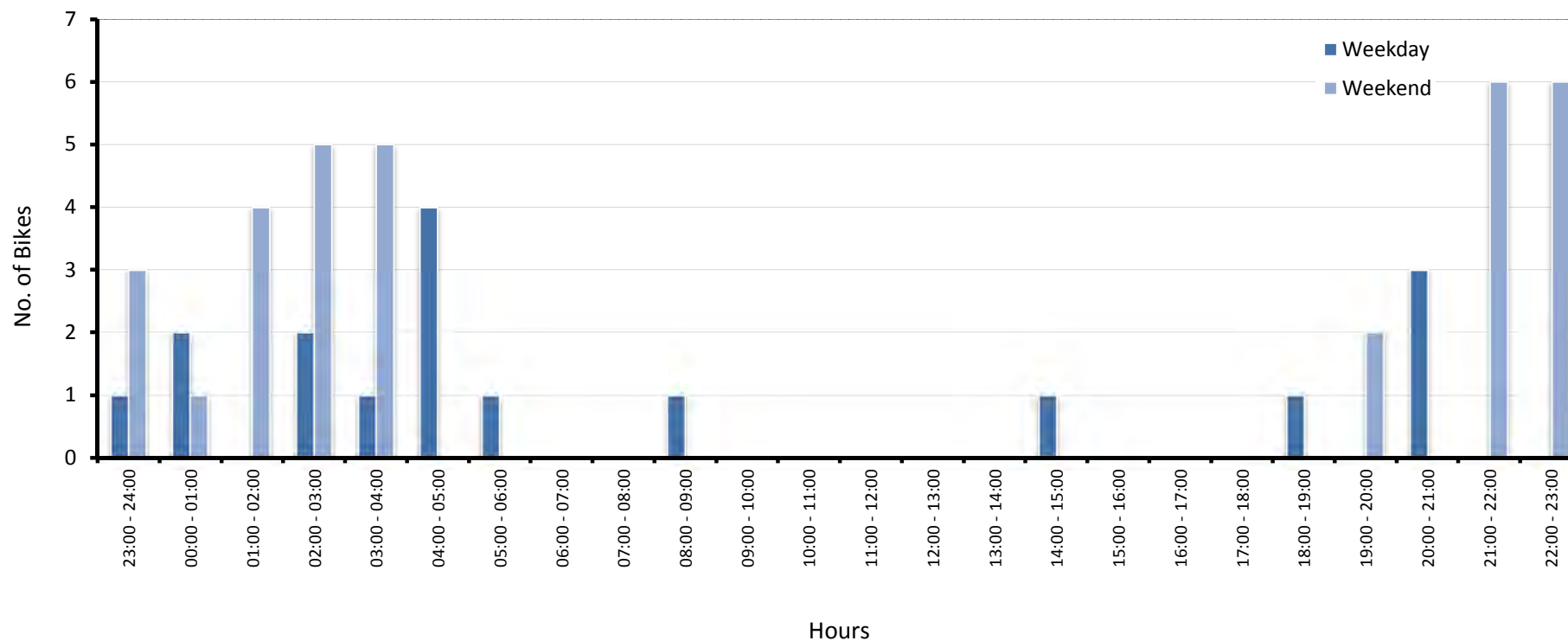### Distribution by Direction

**Weekday**
- 20% Westbound
- Eastbound 80%

**Weekend**
- Westbound 31%
- Eastbound 69%
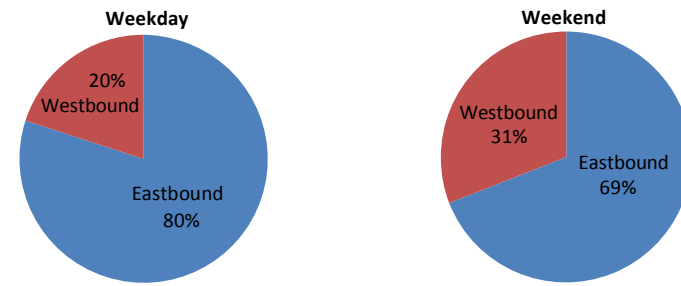
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 197
- Total Weekend Pedestrian Count: 115
- Total Pedestrian Traffic for the Period Analyzed: 312

### Distribution by Sidewalk Side

**Weekday**
- NORTH 33%
- SOUTH 67%

**Weekend**
- NORTH 52%
- SOUTH 48%

**REGIONAL BICYCLE AND PEDESTRIAN COUNTS**
**PERIOD ANALYZED: THURSDAY DECEMBER 12 (2013) & SATURDAY JANUARY 11 (2014)**

CA Group, Inc
CAVIOLA ANSON

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (12/12/2013) Eastbound | Weekday (12/12/2013) Westbound | Weekend (01/11/2014) Eastbound | Weekend (01/11/2014) Westbound | TIME | Weekday (12/12/2013) Eastbound | Weekday (12/12/2013) Westbound | Weekend (01/11/2014) Eastbound | Weekend (01/11/2014) Westbound | TIME | Weekday (12/12/2013) Eastbound | Weekday (12/12/2013) Westbound | Weekend (01/11/2014) Eastbound | Weekend (01/11/2014) Westbound |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10:05 - 10:20 | 2 | 0 | 0 | 0 | 18:05 - 18:20 | 0 | 0 | 0 | 0 | 02:05 - 02:20 | 0 | 0 | 0 | 0 |
| 10:20 - 10:35 | 0 | 0 | 0 | 0 | 18:20 - 18:35 | 0 | 0 | 1 | 0 | 02:20 - 02:35 | 0 | 0 | 2 | 0 |
| 10:35 - 10:50 | 0 | 0 | 0 | 0 | 18:35 - 18:50 | 0 | 0 | 0 | 0 | 02:35 - 02:50 | 0 | 0 | 1 | 1 |
| 10:50 - 11:05 | 1 | 0 | 0 | 0 | 18:50 - 19:05 | 0 | 0 | 1 | 0 | 02:50 - 03:05 | 0 | 0 | 0 | 0 |
| 11:05 - 11:20 | 0 | 0 | 0 | 0 | 19:05 - 19:20 | 1 | 0 | 0 | 0 | 03:05 - 03:20 | 0 | 0 | 0 | 0 |
| 11:20 - 11:35 | 1 | 0 | 0 | 0 | 19:20 - 19:35 | 0 | 0 | 3 | 0 | 03:20 - 03:35 | 0 | 0 | 0 | 0 |
| 11:35 - 11:50 | 0 | 0 | 0 | 0 | 19:35 - 19:50 | 0 | 0 | 0 | 0 | 03:35 - 03:50 | 0 | 0 | 0 | 0 |
| 11:50 - 12:05 | 1 | 0 | 0 | 0 | 19:50 - 20:05 | 0 | 0 | 0 | 0 | 03:50 - 04:05 | 0 | 0 | 0 | 0 |
| 12:05 - 12:20 | 0 | 0 | 0 | 0 | 20:05 - 20:20 | 0 | 0 | 2 | 0 | 04:05 - 04:20 | 0 | 0 | 0 | 0 |
| 12:20 - 12:35 | 0 | 0 | 0 | 0 | 20:20 - 20:35 | 0 | 0 | 0 | 0 | 04:20 - 04:35 | 1 | 0 | 0 | 0 |
| 12:35 - 12:50 | 0 | 0 | 0 | 0 | 20:35 - 20:50 | 0 | 0 | 1 | 0 | 04:35 - 04:50 | 0 | 0 | 0 | 0 |
| 12:50 - 13:05 | 0 | 0 | 0 | 0 | 20:50 - 21:05 | 0 | 0 | 0 | 0 | 04:50 - 05:05 | 0 | 0 | 0 | 0 |
| 13:05 - 13:20 | 0 | 0 | 0 | 0 | 21:05 - 21:20 | 0 | 0 | 1 | 0 | 05:05 - 05:20 | 1 | 0 | 0 | 0 |
| 13:20 - 13:35 | 0 | 0 | 0 | 0 | 21:20 - 21:35 | 0 | 0 | 0 | 0 | 05:20 - 05:35 | 0 | 0 | 0 | 0 |
| 13:35 - 13:50 | 2 | 0 | 0 | 0 | 21:35 - 21:50 | 1 | 0 | 0 | 0 | 05:35 - 05:50 | 0 | 0 | 0 | 0 |
| 13:50 - 14:05 | 0 | 0 | 0 | 0 | 21:50 - 22:05 | 1 | 0 | 0 | 1 | 05:50 - 06:05 | 0 | 0 | 0 | 0 |
| 14:05 - 14:20 | 4 | 0 | 0 | 0 | 22:05 - 22:20 | 0 | 0 | 0 | 0 | 06:05 - 06:20 | 0 | 0 | 0 | 0 |
| 14:20 - 14:35 | 1 | 0 | 0 | 0 | 22:20 - 22:35 | 0 | 1 | 1 | 1 | 06:20 - 06:35 | 2 | 0 | 0 | 0 |
| 14:35 - 14:50 | 1 | 0 | 0 | 0 | 22:35 - 22:50 | 0 | 0 | 0 | 2 | 06:35 - 06:50 | 0 | 0 | 0 | 0 |
| 14:50 - 15:05 | 0 | 0 | 0 | 0 | 22:50 - 23:05 | 0 | 0 | 0 | 0 | 06:50 - 07:05 | 0 | 1 | 0 | 0 |
| 15:05 - 15:20 | 0 | 0 | 0 | 0 | 23:05 - 23:20 | 1 | 0 | 0 | 1 | 07:05 - 07:20 | 0 | 0 | 0 | 0 |
| 15:20 - 15:35 | 1 | 0 | 0 | 0 | 23:20 - 23:35 | 0 | 0 | 0 | 0 | 07:20 - 07:35 | 4 | 3 | 0 | 0 |
| 15:35 - 15:50 | 1 | 1 | 0 | 0 | 23:35 - 23:50 | 0 | 0 | 0 | 1 | 07:35 - 07:50 | 3 | 0 | 0 | 0 |
| 15:50 - 16:05 | 1 | 0 | 0 | 0 | 23:50 - 00:05 | 0 | 0 | 1 | 1 | 07:50 - 08:05 | 0 | 0 | 0 | 0 |
| 16:05 - 16:20 | 0 | 0 | 0 | 0 | 00:05 - 24:20 | 0 | 0 | 0 | 0 | 08:05 - 08:20 | 0 | 1 | 1 | 0 |
| 16:20 - 16:35 | 0 | 0 | 0 | 0 | 00:20 - 00:35 | 0 | 0 | 1 | 0 | 08:20 - 08:35 | 1 | 1 | 0 | 0 |
| 16:35 - 16:50 | 1 | 0 | 0 | 1 | 00:35 - 00:50 | 0 | 0 | 0 | 0 | 08:35 - 08:50 | 0 | 0 | 1 | 0 |
| 16:50 - 17:05 | 0 | 0 | 0 | 0 | 00:50 - 01:05 | 0 | 0 | 2 | 0 | 08:50 - 09:05 | 0 | 0 | 0 | 0 |
| 17:05 - 17:20 | 0 | 0 | 0 | 0 | 01:05 - 01:20 | 0 | 0 | 0 | 0 | 09:05 - 09:20 | 0 | 0 | 0 | 0 |
| 17:20 - 17:35 | 0 | 0 | 0 | 0 | 01:20 - 01:35 | 0 | 0 | 1 | 0 | 09:20 - 09:35 | 0 | 0 | 0 | 1 |
| 17:35 - 17:50 | 0 | 0 | 0 | 0 | 01:35 - 01:50 | 0 | 0 | 0 | 0 | 09:35 - 09:50 | 0 | 0 | 0 | 0 |
| 17:50 - 18:05 | 0 | 0 | 1 | 0 | 01:50 - 02:05 | 0 | 0 | 1 | 0 | 09:50 - 10:05 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | TOTAL | 33 | 8 | 22 | 10 |

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 10:05 - 10:20 | 0 | 0 | 0 | 0 |
| 10:20 - 10:35 | 0 | 0 | 0 | 0 |
| 10:35 - 10:50 | 0 | 0 | 0 | 0 |
| 10:50 - 11:05 | 0 | 0 | 0 | 0 |
| 11:05 - 11:20 | 0 | 0 | 0 | 0 |
| 11:20 - 11:35 | 0 | 0 | 0 | 0 |
| 11:35 - 11:50 | 0 | 0 | 0 | 0 |
| 11:50 - 12:05 | 0 | 0 | 0 | 0 |
| 12:05 - 12:20 | 0 | 0 | 0 | 0 |
| 12:20 - 12:35 | 0 | 0 | 0 | 0 |
| 12:35 - 12:50 | 0 | 0 | 0 | 0 |
| 12:50 - 13:05 | 0 | 0 | 0 | 0 |
| 13:05 - 13:20 | 0 | 0 | 0 | 0 |
| 13:20 - 13:35 | 0 | 0 | 0 | 0 |
| 13:35 - 13:50 | 0 | 0 | 0 | 0 |
| 13:50 - 14:05 | 1 | 0 | 0 | 0 |
| 14:05 - 14:20 | 0 | 0 | 0 | 0 |
| 14:20 - 14:35 | 0 | 0 | 0 | 0 |
| 14:35 - 14:50 | 0 | 0 | 0 | 0 |
| 14:50 - 15:05 | 0 | 0 | 0 | 0 |
| 15:05 - 15:20 | 0 | 0 | 0 | 0 |
| 15:20 - 15:35 | 0 | 0 | 0 | 0 |
| 15:35 - 15:50 | 0 | 0 | 0 | 0 |
| 15:50 - 16:05 | 0 | 0 | 0 | 0 |
| 16:05 - 16:20 | 0 | 0 | 0 | 0 |
| 16:20 - 16:35 | 0 | 0 | 0 | 0 |
| 16:35 - 16:50 | 0 | 0 | 0 | 1 |
| 16:50 - 17:05 | 0 | 0 | 0 | 0 |
| 17:05 - 17:20 | 0 | 0 | 0 | 0 |
| 17:20 - 17:35 | 0 | 0 | 0 | 0 |
| 17:35 - 17:50 | 0 | 0 | 0 | 0 |
| 17:50 - 18:05 | 0 | 1 | 0 | 0 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 18:05 - 18:20 | 0 | 0 | 0 | 0 |
| 18:20 - 18:35 | 0 | 1 | 0 | 0 |
| 18:35 - 18:50 | 1 | 0 | 0 | 0 |
| 18:50 - 19:05 | 0 | 1 | 1 | 0 |
| 19:05 - 19:20 | 0 | 0 | 0 | 0 |
| 19:20 - 19:35 | 1 | 3 | 0 | 0 |
| 19:35 - 19:50 | 0 | 0 | 1 | 0 |
| 19:50 - 20:05 | 4 | 0 | 0 | 0 |
| 20:05 - 20:20 | 2 | 2 | 0 | 0 |
| 20:20 - 20:35 | 1 | 0 | 0 | 0 |
| 20:35 - 20:50 | 0 | 1 | 0 | 0 |
| 20:50 - 21:05 | 1 | 0 | 0 | 0 |
| 21:05 - 21:20 | 0 | 1 | 0 | 0 |
| 21:20 - 21:35 | 0 | 0 | 0 | 0 |
| 21:35 - 21:50 | 0 | 0 | 1 | 0 |
| 21:50 - 22:05 | 0 | 0 | 0 | 1 |
| 22:05 - 22:20 | 2 | 0 | 0 | 0 |
| 22:20 - 22:35 | 1 | 1 | 0 | 1 |
| 22:35 - 22:50 | 1 | 0 | 0 | 2 |
| 22:50 - 23:05 | 2 | 0 | 0 | 0 |
| 23:05 - 23:20 | 5 | 0 | 1 | 1 |
| 23:20 - 23:35 | 3 | 0 | 1 | 0 |
| 23:35 - 23:50 | 4 | 0 | 0 | 1 |
| 23:50 - 00:05 | 2 | 1 | 0 | 1 |
| 00:05 - 24:20 | 1 | 0 | 0 | 0 |
| 00:20 - 00:35 | 1 | 1 | 0 | 0 |
| 00:35 - 00:50 | 1 | 0 | 0 | 0 |
| 00:50 - 01:05 | 1 | 2 | 0 | 0 |
| 01:05 - 01:20 | 0 | 0 | 0 | 0 |
| 01:20 - 01:35 | 1 | 1 | 0 | 0 |
| 01:35 - 01:50 | 3 | 0 | 0 | 0 |
| 01:50 - 02:05 | 4 | 1 | 0 | 0 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 02:05 - 02:20 | 0 | 0 | 0 | 0 |
| 02:20 - 02:35 | 3 | 2 | 0 | 0 |
| 02:35 - 02:50 | 2 | 1 | 2 | 1 |
| 02:50 - 03:05 | 1 | 0 | 0 | 0 |
| 03:05 - 03:20 | 2 | 0 | 1 | 0 |
| 03:20 - 03:35 | 3 | 0 | 2 | 0 |
| 03:35 - 03:50 | 3 | 0 | 1 | 0 |
| 03:50 - 04:05 | 2 | 0 | 0 | 0 |
| 04:05 - 04:20 | 4 | 0 | 0 | 0 |
| 04:20 - 04:35 | 2 | 0 | 0 | 0 |
| 04:35 - 04:50 | 0 | 0 | 0 | 0 |
| 04:50 - 05:05 | 1 | 0 | 0 | 0 |
| 05:05 - 05:20 | 2 | 0 | 0 | 0 |
| 05:20 - 05:35 | 3 | 0 | 0 | 0 |
| 05:35 - 05:50 | 0 | 0 | 0 | 0 |
| 05:50 - 06:05 | 1 | 0 | 0 | 0 |
| 06:05 - 06:20 | 0 | 0 | 0 | 0 |
| 06:20 - 06:35 | 3 | 0 | 0 | 0 |
| 06:35 - 06:50 | 0 | 0 | 0 | 0 |
| 06:50 - 07:05 | 0 | 0 | 0 | 0 |
| 07:05 - 07:20 | 0 | 0 | 0 | 0 |
| 07:20 - 07:35 | 0 | 0 | 0 | 0 |
| 07:35 - 07:50 | 0 | 0 | 0 | 0 |
| 07:50 - 08:05 | 0 | 0 | 0 | 0 |
| 08:05 - 08:20 | 0 | 1 | 0 | 0 |
| 08:20 - 08:35 | 0 | 0 | 0 | 0 |
| 08:35 - 08:50 | 0 | 1 | 0 | 0 |
| 08:50 - 09:05 | 0 | 0 | 0 | 0 |
| 09:05 - 09:20 | 0 | 0 | 0 | 0 |
| 09:20 - 09:35 | 0 | 0 | 0 | 1 |
| 09:35 - 09:50 | 2 | 0 | 0 | 0 |
| 09:50 - 10:05 | 0 | 0 | 0 | 0 |
| TOTAL | 77 | 22 | 11 | 10 |
| Difference | 55 | | 1 | |
| % Error | 250% | | 10% | |

**REGIONAL BICYCLE AND PEDESTRIAN COUNTS**
**PERIOD ANALYZED: THURSDAY DECEMBER 12 (2013) & SATURDAY JANUARY 11 (2014)**

CA Group, Inc
CAVIOLA ANSON

## PEDESTRIAN COUNTS

**REGIONAL BICYCLE AND PEDESTRIAN COUNTS**
**PERIOD ANALYZED: THURSDAY DECEMBER 12 (2013) & SATURDAY JANUARY 11 (2014)**

CA Group, Inc

## PEDESTRIAN DATA

| TIME | Weekday (12/12/2013) | | Weekend (01/11/2014) | | TIME | Weekday (12/12/2013) | | Weekend (01/11/2014) | | TIME | Weekday (12/12/2013) | | Weekend (01/11/2014) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SOUTH | NORTH | SOUTH | NORTH | | SOUTH | NORTH | SOUTH | NORTH | | SOUTH | NORTH | SOUTH | NORTH |
| 10:05 - 10:20 | 1 | 3 | 0 | 0 | 18:05 - 18:20 | 0 | 0 | 0 | 2 | 02:05 - 02:20 | 0 | 1 | 2 | 1 |
| 10:20 - 10:35 | 4 | 1 | 0 | 0 | 18:20 - 18:35 | 1 | 0 | 0 | 2 | 02:20 - 02:35 | 0 | 0 | 0 | 1 |
| 10:35 - 10:50 | 0 | 2 | 0 | 0 | 18:35 - 18:50 | 0 | 0 | 0 | 0 | 02:35 - 02:50 | 0 | 0 | 2 | 0 |
| 10:50 - 11:05 | 1 | 1 | 1 | 0 | 18:50 - 19:05 | 0 | 1 | 0 | 1 | 02:50 - 03:05 | 0 | 0 | 1 | 0 |
| 11:05 - 11:20 | 0 | 1 | 2 | 0 | 19:05 - 19:20 | 0 | 0 | 1 | 1 | 03:05 - 03:20 | 0 | 0 | 2 | 0 |
| 11:20 - 11:35 | 3 | 0 | 0 | 0 | 19:20 - 19:35 | 0 | 0 | 3 | 0 | 03:20 - 03:35 | 0 | 0 | 0 | 1 |
| 11:35 - 11:50 | 0 | 2 | 0 | 0 | 19:35 - 19:50 | 0 | 0 | 5 | 0 | 03:35 - 03:50 | 0 | 0 | 1 | 0 |
| 11:50 - 12:05 | 1 | 1 | 0 | 0 | 19:50 - 20:05 | 0 | 0 | 0 | 0 | 03:50 - 04:05 | 0 | 0 | 0 | 1 |
| 12:05 - 12:20 | 1 | 0 | 0 | 0 | 20:05 - 20:20 | 0 | 0 | 0 | 2 | 04:05 - 04:20 | 0 | 0 | 0 | 0 |
| 12:20 - 12:35 | 1 | 0 | 0 | 0 | 20:20 - 20:35 | 2 | 0 | 0 | 1 | 04:20 - 04:35 | 0 | 0 | 3 | 1 |
| 12:35 - 12:50 | 0 | 1 | 0 | 0 | 20:35 - 20:50 | 1 | 0 | 1 | 2 | 04:35 - 04:50 | 0 | 0 | 1 | 0 |
| 12:50 - 13:05 | 0 | 0 | 0 | 0 | 20:50 - 21:05 | 0 | 0 | 1 | 5 | 04:50 - 05:05 | 0 | 0 | 2 | 0 |
| 13:05 - 13:20 | 0 | 0 | 0 | 0 | 21:05 - 21:20 | 0 | 0 | 0 | 1 | 05:05 - 05:20 | 1 | 0 | 0 | 4 |
| 13:20 - 13:35 | 2 | 2 | 0 | 0 | 21:20 - 21:35 | 0 | 0 | 0 | 0 | 05:20 - 05:35 | 0 | 0 | 3 | 1 |
| 13:35 - 13:50 | 3 | 2 | 0 | 0 | 21:35 - 21:50 | 0 | 1 | 1 | 0 | 05:35 - 05:50 | 1 | 0 | 0 | 0 |
| 13:50 - 14:05 | 5 | 2 | 0 | 0 | 21:50 - 22:05 | 1 | 0 | 0 | 0 | 05:50 - 06:05 | 0 | 0 | 1 | 0 |
| 14:05 - 14:20 | 30 | 10 | 0 | 0 | 22:05 - 22:20 | 0 | 0 | 0 | 1 | 06:05 - 06:20 | 2 | 0 | 0 | 0 |
| 14:20 - 14:35 | 8 | 8 | 0 | 0 | 22:20 - 22:35 | 0 | 0 | 0 | 3 | 06:20 - 06:35 | 1 | 0 | 0 | 0 |
| 14:35 - 14:50 | 2 | 2 | 0 | 0 | 22:35 - 22:50 | 0 | 0 | 0 | 2 | 06:35 - 06:50 | 1 | 0 | 0 | 2 |
| 14:50 - 15:05 | 6 | 2 | 0 | 0 | 22:50 - 23:05 | 0 | 0 | 1 | 2 | 06:50 - 07:05 | 0 | 1 | 1 | 0 |
| 15:05 - 15:20 | 6 | 0 | 1 | 0 | 23:05 - 23:20 | 0 | 0 | 0 | 1 | 07:05 - 07:20 | 2 | 0 | 0 | 0 |
| 15:20 - 15:35 | 7 | 0 | 0 | 0 | 23:20 - 23:35 | 0 | 0 | 3 | 1 | 07:20 - 07:35 | 13 | 8 | 3 | 1 |
| 15:35 - 15:50 | 4 | 0 | 0 | 0 | 23:35 - 23:50 | 0 | 0 | 1 | 1 | 07:35 - 07:50 | 2 | 0 | 0 | 0 |
| 15:50 - 16:05 | 3 | 2 | 0 | 0 | 23:50 - 00:05 | 0 | 0 | 2 | 3 | 07:50 - 08:05 | 1 | 0 | 0 | 0 |
| 16:05 - 16:20 | 0 | 2 | 0 | 0 | 00:05 - 24:20 | 0 | 0 | 0 | 2 | 08:05 - 08:20 | 1 | 0 | 0 | 0 |
| 16:20 - 16:35 | 1 | 1 | 0 | 1 | 00:20 - 00:35 | 0 | 0 | 0 | 0 | 08:20 - 08:35 | 1 | 0 | 1 | 1 |
| 16:35 - 16:50 | 1 | 3 | 0 | 0 | 00:35 - 00:50 | 0 | 0 | 1 | 0 | 08:35 - 08:50 | 1 | 0 | 0 | 0 |
| 16:50 - 17:05 | 0 | 0 | 1 | 0 | 00:50 - 01:05 | 0 | 0 | 2 | 6 | 08:50 - 09:05 | 0 | 2 | 0 | 0 |
| 17:05 - 17:20 | 0 | 0 | 0 | 1 | 01:05 - 01:20 | 0 | 0 | 0 | 0 | 09:05 - 09:20 | 0 | 0 | 2 | 0 |
| 17:20 - 17:35 | 3 | 0 | 0 | 0 | 01:20 - 01:35 | 0 | 1 | 0 | 1 | 09:20 - 09:35 | 0 | 0 | 2 | 1 |
| 17:35 - 17:50 | 5 | 0 | 0 | 1 | 01:35 - 01:50 | 0 | 0 | 1 | 2 | 09:35 - 09:50 | 1 | 1 | 0 | 0 |
| 17:50 - 18:05 | 1 | 0 | 0 | 0 | 01:50 - 02:05 | 0 | 0 | 0 | 0 | 09:50 - 10:05 | 0 | 1 | 0 | 0 |
| | | | | | | | | | | TOTAL | 132 | 65 | 55 | 60 |

**REGIONAL BICYCLE AND PEDESTRIAN COUNTS**
**PERIOD ANALYZED: THURSDAY DECEMBER 12 (2013) & SATURDAY JANUARY 11 (2014)**

CA Group, Inc
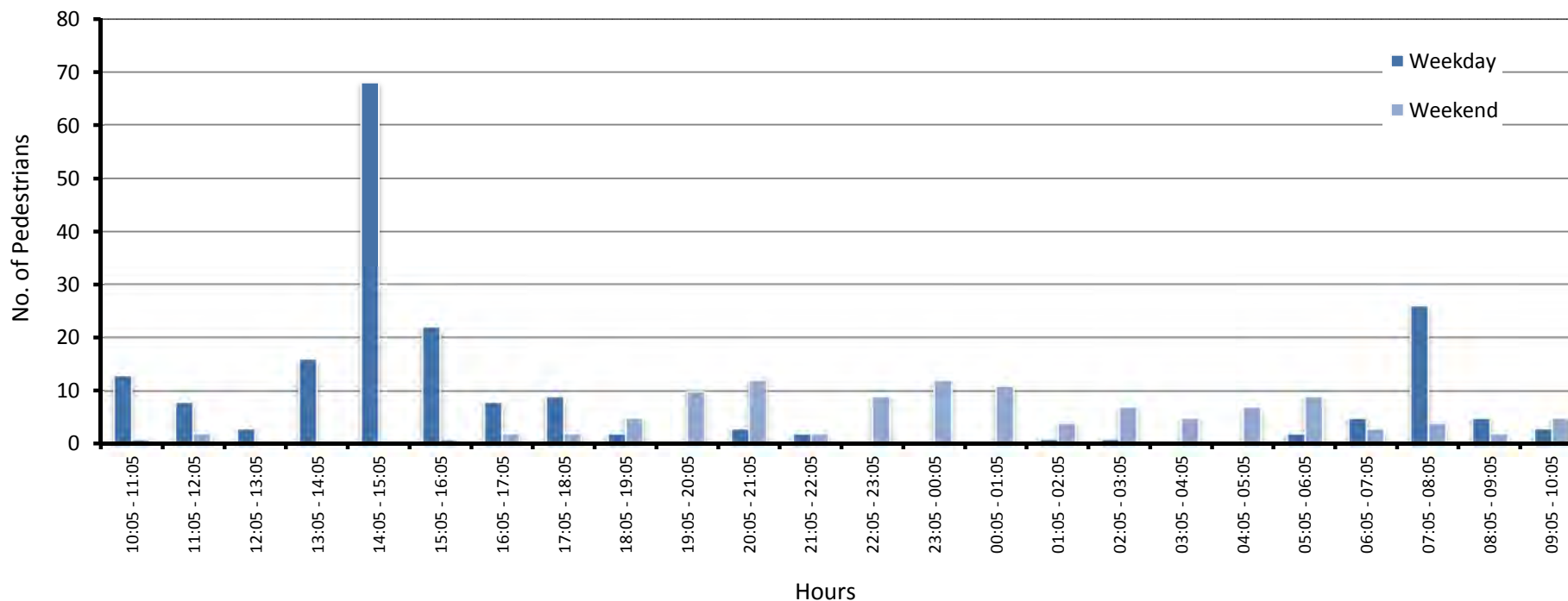
## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 10:05 - 10:20 | 0 | 1 | | 3 |
| 10:20 - 10:35 | 0 | 4 | 0 | 1 |
| 10:35 - 10:50 | 0 | 0 | | 2 |
| 10:50 - 11:05 | 0 | 1 | | 1 |
| 11:05 - 11:20 | 1 | 0 | | 1 |
| 11:20 - 11:35 | 1 | 3 | 1 | 0 |
| 11:35 - 11:50 | 3 | 0 | | 2 |
| 11:50 - 12:05 | 0 | 1 | | 1 |
| 12:05 - 12:20 | 2 | 1 | | 0 |
| 12:20 - 12:35 | 0 | 1 | 1 | 0 |
| 12:35 - 12:50 | 1 | 0 | | 1 |
| 12:50 - 13:05 | 4 | 0 | | 0 |
| 13:05 - 13:20 | 0 | 0 | | 0 |
| 13:20 - 13:35 | 1 | 2 | 0 | 2 |
| 13:35 - 13:50 | 1 | 3 | | 2 |
| 13:50 - 14:05 | 0 | 5 | | 2 |
| 14:05 - 14:20 | 0 | 30 | | 10 |
| 14:20 - 14:35 | 0 | 8 | 0 | 8 |
| 14:35 - 14:50 | 2 | 2 | | 2 |
| 14:50 - 15:05 | 6 | 6 | | 2 |
| 15:05 - 15:20 | 2 | 6 | | 0 |
| 15:20 - 15:35 | 28 | 7 | 5 | 0 |
| 15:35 - 15:50 | 5 | 4 | | 0 |
| 15:50 - 16:05 | 3 | 3 | | 2 |
| 16:05 - 16:20 | 3 | 0 | | 2 |
| 16:20 - 16:35 | 6 | 1 | 1 | 1 |
| 16:35 - 16:50 | 3 | 1 | | 3 |
| 16:50 - 17:05 | 3 | 0 | | 0 |
| 17:05 - 17:20 | 2 | 0 | | 0 |
| 17:20 - 17:35 | 0 | 3 | 1 | 0 |
| 17:35 - 17:50 | 1 | 5 | | 0 |
| 17:50 - 18:05 | 1 | 1 | | 0 |

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 18:05 - 18:20 | 0 | 0 | | 0 |
| 18:20 - 18:35 | 0 | 1 | 0 | 0 |
| 18:35 - 18:50 | 2 | 0 | | 0 |
| 18:50 - 19:05 | 5 | 0 | | 1 |
| 19:05 - 19:20 | 0 | 0 | | 0 |
| 19:20 - 19:35 | 1 | 0 | 0 | 0 |
| 19:35 - 19:50 | 0 | 0 | | 0 |
| 19:50 - 20:05 | 0 | 0 | | 0 |
| 20:05 - 20:20 | 0 | 0 | | 0 |
| 20:20 - 20:35 | 1 | 2 | 1 | 0 |
| 20:35 - 20:50 | 0 | 1 | | 0 |
| 20:50 - 21:05 | 0 | 0 | | 0 |
| 21:05 - 21:20 | 0 | 0 | | 0 |
| 21:20 - 21:35 | 0 | 0 | 0 | 0 |
| 21:35 - 21:50 | 0 | 0 | | 1 |
| 21:50 - 22:05 | 0 | 1 | | 0 |
| 22:05 - 22:20 | 0 | 0 | | 0 |
| 22:20 - 22:35 | 0 | 0 | 0 | 0 |
| 22:35 - 22:50 | 0 | 0 | | 0 |
| 22:50 - 23:05 | 3 | 0 | | 0 |
| 23:05 - 23:20 | 0 | 0 | | 0 |
| 23:20 - 23:35 | 0 | 0 | 0 | 0 |
| 23:35 - 23:50 | 0 | 0 | | 0 |
| 23:50 - 00:05 | 0 | 0 | | 0 |
| 00:05 - 24:20 | 0 | 0 | | 0 |
| 00:20 - 00:35 | 0 | 0 | 0 | 0 |
| 00:35 - 00:50 | 0 | 0 | | 0 |
| 00:50 - 01:05 | 0 | 0 | | 0 |
| 01:05 - 01:20 | 0 | 0 | | 0 |
| 01:20 - 01:35 | 0 | 0 | 0 | 1 |
| 01:35 - 01:50 | 0 | 0 | | 0 |
| 01:50 - 02:05 | 0 | 0 | | 0 |

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 02:05 - 02:20 | 0 | 0 | | 1 |
| 02:20 - 02:35 | 0 | 0 | 1 | 0 |
| 02:35 - 02:50 | 0 | 0 | | 0 |
| 02:50 - 03:05 | 0 | 0 | | 0 |
| 03:05 - 03:20 | 0 | 0 | | 0 |
| 03:20 - 03:35 | 0 | 0 | 0 | 0 |
| 03:35 - 03:50 | 0 | 0 | | 0 |
| 03:50 - 04:05 | 0 | 0 | | 0 |
| 04:05 - 04:20 | 0 | 0 | | 0 |
| 04:20 - 04:35 | 0 | 0 | 0 | 0 |
| 04:35 - 04:50 | 0 | 0 | | 0 |
| 04:50 - 05:05 | 0 | 0 | | 0 |
| 05:05 - 05:20 | 0 | 1 | | 0 |
| 05:20 - 05:35 | 0 | 0 | 0 | 0 |
| 05:35 - 05:50 | 0 | 1 | | 0 |
| 05:50 - 06:05 | 0 | 0 | | 0 |
| 06:05 - 06:20 | 0 | 2 | | 0 |
| 06:20 - 06:35 | 1 | 1 | 0 | 0 |
| 06:35 - 06:50 | 1 | 1 | | 0 |
| 06:50 - 07:05 | 0 | 0 | | 1 |
| 07:05 - 07:20 | 0 | 2 | | 0 |
| 07:20 - 07:35 | 1 | 13 | 2 | 8 |
| 07:35 - 07:50 | 3 | 2 | | 0 |
| 07:50 - 08:05 | 0 | 1 | | 0 |
| 08:05 - 08:20 | 0 | 1 | | 0 |
| 08:20 - 08:35 | 4 | 1 | 6 | 0 |
| 08:35 - 08:50 | 8 | 1 | | 0 |
| 08:50 - 09:05 | 3 | 0 | | 2 |
| 09:05 - 09:20 | 1 | 0 | | 0 |
| 09:20 - 09:35 | 1 | 0 | 0 | 0 |
| 09:35 - 09:50 | 1 | 1 | | 1 |
| 09:50 - 10:05 | 1 | 0 | | 1 |
| TOTAL | 116 | 132 | 19 | 65 |
| Difference | | -16 | | -46 |
| % Error | | -12% | | -71% |

# St. Rose Pkwy. east of S. Las Vegas Blvd.

Video Camera

Ped Counters

Bike Tubes

Las Vegas Blvd.

St Rose Pkwy.

75m
200ft



## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 53
- Total Weekend Bike Count: 63
- Total Bike Traffic for the Period Analyzed: 116

### Distribution by Direction

**Weekday**

Eastbound 40%
Westbound 60%

**Weekend**

Westbound 44%
Eastbound 56%
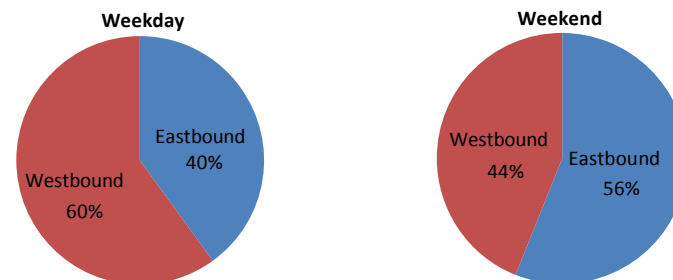
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 34
- Total Weekend Pedestrian Count: 35
- Total Pedestrian Traffic for the Period Analyzed: 69

### Distribution by Sidewalk Side

**Weekday**

SOUTH 100%

**Weekend**

NORTH 3%
SOUTH 97%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (01/30/2014) Eastbound | Weekday (01/30/2014) Westbound | Weekend (02/01/2014) Eastbound | Weekend (02/01/2014) Westbound |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 4 | 5 |
| 07:30 - 07:45 | 3 | 2 | 0 | 0 |
| 07:45 - 08:00 | 1 | 0 | 0 | 0 |

| TIME | Weekday (01/30/2014) Eastbound | Weekday (01/30/2014) Westbound | Weekend (02/01/2014) Eastbound | Weekend (02/01/2014) Westbound |
|---|---|---|---|---|
| 08:00 - 08:15 | 1 | 0 | 1 | 2 |
| 08:15 - 08:30 | 0 | 0 | 0 | 0 |
| 08:30 - 08:45 | 2 | 0 | 2 | 0 |
| 08:45 - 09:00 | 0 | 0 | 3 | 1 |
| 09:00 - 09:15 | 0 | 0 | 0 | 0 |
| 09:15 - 09:30 | 0 | 0 | 1 | 0 |
| 09:30 - 09:45 | 0 | 0 | 1 | 0 |
| 09:45 - 10:00 | 0 | 0 | 1 | 3 |
| 10:00 - 10:15 | 0 | 0 | 2 | 1 |
| 10:15 - 10:30 | 1 | 2 | 0 | 8 |
| 10:30 - 10:45 | 1 | 0 | 1 | 0 |
| 10:45 - 11:00 | 1 | 0 | 1 | 1 |
| 11:00 - 11:15 | 0 | 0 | 3 | 1 |
| 11:15 - 11:30 | 0 | 2 | 2 | 0 |
| 11:30 - 11:45 | 0 | 2 | 1 | 0 |
| 11:45 - 12:00 | 0 | 0 | 1 | 0 |
| 12:00 - 12:15 | 0 | 0 | 0 | 0 |
| 12:15 - 12:30 | 0 | 0 | 1 | 0 |
| 12:30 - 12:45 | 0 | 0 | 1 | 0 |
| 12:45 - 13:00 | 2 | 2 | 0 | 0 |
| 13:00 - 13:15 | 0 | 2 | 1 | 0 |
| 13:15 - 13:30 | 1 | 0 | 0 | 0 |
| 13:30 - 13:45 | 0 | 0 | 1 | 1 |
| 13:45 - 14:00 | 0 | 0 | 0 | 0 |
| 14:00 - 14:15 | 0 | 0 | 0 | 0 |
| 14:15 - 14:30 | 0 | 2 | 0 | 1 |
| 14:30 - 14:45 | 0 | 0 | 1 | 1 |
| 14:45 - 15:00 | 1 | 0 | 0 | 0 |
| 15:00 - 15:15 | 1 | 0 | 0 | 1 |
| 15:15 - 15:30 | 2 | 2 | 2 | 1 |
| 15:30 - 15:45 | 0 | 0 | 0 | 0 |
| 15:45 - 16:00 | 0 | 0 | 0 | 0 |

| TIME | Weekday (01/30/2014) Eastbound | Weekday (01/30/2014) Westbound | Weekend (02/01/2014) Eastbound | Weekend (02/01/2014) Westbound |
|---|---|---|---|---|
| 16:00 - 16:15 | 0 | 0 | 1 | 0 |
| 16:15 - 16:30 | 2 | 0 | 1 | 0 |
| 16:30 - 16:45 | 0 | 4 | 0 | 0 |
| 16:45 - 17:00 | 0 | 0 | 0 | 1 |
| 17:00 - 17:15 | 0 | 2 | 0 | 0 |
| 17:15 - 17:30 | 0 | 4 | 0 | 0 |
| 17:30 - 17:45 | 0 | 0 | 1 | 0 |
| 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 18:15 - 18:30 | 0 | 0 | 0 | 0 |
| 18:30 - 18:45 | 0 | 2 | 0 | 0 |
| 18:45 - 19:00 | 1 | 0 | 0 | 0 |
| 19:00 - 19:15 | 1 | 0 | 0 | 0 |
| 19:15 - 19:30 | 0 | 0 | 0 | 0 |
| 19:30 - 19:45 | 0 | 2 | 0 | 0 |
| 19:45 - 20:00 | 2 | 0 | 0 | 0 |
| 20:00 - 20:15 | 0 | 2 | 0 | 0 |
| 20:15 - 20:30 | 0 | 2 | 1 | 0 |
| 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 22:30 - 22:45 | 0 | 2 | 0 | 0 |
| 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| **TOTAL** | **21** | **32** | **35** | **28** |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 3 | 4 | 4 | 5 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 0 | 0 | 0 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 08:00 - 08:15 | 0 | 1 | 0 | 2 |
| 08:15 - 08:30 | 1 | 0 | 0 | 0 |
| 08:30 - 08:45 | 0 | 2 | 0 | 0 |
| 08:45 - 09:00 | 2 | 3 | 0 | 1 |
| 09:00 - 09:15 | 0 | 0 | 0 | 0 |
| 09:15 - 09:30 | 0 | 1 | 0 | 0 |
| 09:30 - 09:45 | 2 | 1 | 0 | 0 |
| 09:45 - 10:00 | 0 | 1 | 2 | 3 |
| 10:00 - 10:15 | 0 | 2 | 0 | 1 |
| 10:15 - 10:30 | 0 | 0 | 6 | 8 |
| 10:30 - 10:45 | 0 | 1 | 0 | 0 |
| 10:45 - 11:00 | 1 | 1 | 0 | 1 |
| 11:00 - 11:15 | 2 | 3 | 0 | 1 |
| 11:15 - 11:30 | 2 | 2 | 0 | 0 |
| 11:30 - 11:45 | 1 | 1 | 0 | 0 |
| 11:45 - 12:00 | 1 | 1 | 0 | 0 |
| 12:00 - 12:15 | 0 | 0 | 1 | 0 |
| 12:15 - 12:30 | 0 | 1 | 0 | 0 |
| 12:30 - 12:45 | 0 | 1 | 0 | 0 |
| 12:45 - 13:00 | 0 | 0 | 0 | 0 |
| 13:00 - 13:15 | 0 | 1 | 0 | 0 |
| 13:15 - 13:30 | 0 | 0 | 0 | 0 |
| 13:30 - 13:45 | 0 | 1 | 0 | 1 |
| 13:45 - 14:00 | 0 | 0 | 0 | 0 |
| 14:00 - 14:15 | 0 | 0 | 0 | 0 |
| 14:15 - 14:30 | 1 | 0 | 0 | 1 |
| 14:30 - 14:45 | 1 | 1 | 0 | 1 |
| 14:45 - 15:00 | 0 | 0 | 0 | 0 |
| 15:00 - 15:15 | 0 | 0 | 0 | 1 |
| 15:15 - 15:30 | 1 | 2 | 0 | 1 |
| 15:30 - 15:45 | 0 | 0 | 0 | 0 |
| 15:45 - 16:00 | 0 | 0 | 0 | 0 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 16:00 - 16:15 | 1 | 1 | 2 | 0 |
| 16:15 - 16:30 | 1 | 1 | 0 | 0 |
| 16:30 - 16:45 | 0 | 0 | 0 | 0 |
| 16:45 - 17:00 | 0 | 0 | 0 | 1 |
| 17:00 - 17:15 | 0 | 0 | 0 | 0 |
| 17:15 - 17:30 | 0 | 0 | 0 | 0 |
| 17:30 - 17:45 | 0 | 1 | 0 | 0 |
| 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 18:15 - 18:30 | 0 | 0 | 0 | 0 |
| 18:30 - 18:45 | 0 | 0 | 0 | 0 |
| 18:45 - 19:00 | 0 | 0 | 0 | 0 |
| 19:00 - 19:15 | 1 | 0 | 0 | 0 |
| 19:15 - 19:30 | 0 | 0 | 0 | 0 |
| 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 20:15 - 20:30 | 0 | 1 | 0 | 0 |
| 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 21:00 - 21:15 | 1 | 0 | 1 | 0 |
| 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| TOTAL | 22 | 35 | 16 | 28 |
| Difference | -13 | | -12 | |
| % Error | -37% | | -43% | |

## PEDESTRIAN COUNTS

## PEDESTRIAN DATA

| TIME | Weekday (01/30/2014) SOUTH | NORTH | Weekend (02/01/2014) SOUTH | NORTH | TIME | Weekday (01/30/2014) SOUTH | NORTH | Weekend (02/01/2014) SOUTH | NORTH | TIME | Weekday (01/30/2014) SOUTH | NORTH | Weekend (02/01/2014) SOUTH | NORTH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 1 | 0 | 0 | 0 | 16:00 - 16:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 1 | 0 | 1 | 0 | 16:15 - 16:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 | 08:30 - 08:45 | 1 | 0 | 5 | 0 | 16:30 - 16:45 | 1 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 | 08:45 - 09:00 | 1 | 0 | 0 | 0 | 16:45 - 17:00 | 1 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 1 | 0 | 7 | 0 | 17:00 - 17:15 | 1 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 0 | 2 | 0 | 17:15 - 17:30 | 1 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 1 | 0 | 2 | 0 | 17:30 - 17:45 | 1 | 0 | 2 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 1 | 0 | 3 | 0 | 17:45 - 18:00 | 1 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 1 | 0 | 0 | 1 | 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 | 10:15 - 10:30 | 1 | 0 | 0 | 0 | 18:15 - 18:30 | 1 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 1 | 0 | 2 | 0 | 18:30 - 18:45 | 1 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 1 | 0 | 1 | 0 | 18:45 - 19:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 1 | 0 | 0 | 0 | 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 | 11:15 - 11:30 | 1 | 0 | 1 | 0 | 19:15 - 19:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 1 | 0 | 0 | 0 | 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 1 | 0 | 3 | 0 | 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 0 | 0 | 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 1 | 0 | 2 | 0 | 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 | 12:30 - 12:45 | 0 | 0 | 0 | 0 | 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 1 | 0 | 0 | 0 | 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 0 | 0 | 0 | 0 | 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 1 | 0 | 0 | 0 | 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 | 13:30 - 13:45 | 0 | 0 | 0 | 0 | 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 0 | 0 | 0 | 0 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 1 | 0 | 14:00 - 14:15 | 1 | 0 | 0 | 0 | 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 1 | 0 | 14:15 - 14:30 | 0 | 0 | 0 | 0 | 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 | 14:30 - 14:45 | 1 | 0 | 0 | 0 | 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 0 | 0 | 0 | 0 | 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 | 15:00 - 15:15 | 0 | 0 | 0 | 0 | 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 | 15:15 - 15:30 | 1 | 0 | 0 | 0 | 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 1 | 0 | 1 | 0 | 15:30 - 15:45 | 1 | 0 | 0 | 0 | 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 1 | 0 | 0 | 0 | 15:45 - 16:00 | 1 | 0 | 0 | 0 | 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | TOTAL | 34 | 0 | 34 | 1 |

Estimated counts using correction factor

## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera | TIME | Ped Counter | Video Camera | Ped Counter | Video Camera | TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 30 | 0 | 0 | 0 | 08:00 - 08:15 | 56 | 0 | 0 | 0 | 16:00 - 16:15 | 124 | 0 | 0 | 0 |
| 00:15 - 00:30 | 33 | 0 | 0 | 0 | 08:15 - 08:30 | 87 | 1 | 0 | 0 | 16:15 - 16:30 | 147 | 0 | 0 | 0 |
| 00:30 - 00:45 | 33 | 0 | 0 | 0 | 08:30 - 08:45 | 107 | 5 | 0 | 0 | 16:30 - 16:45 | 106 | 0 | 0 | 0 |
| 00:45 - 01:00 | 30 | 0 | 0 | 0 | 08:45 - 09:00 | 91 | 0 | 0 | 0 | 16:45 - 17:00 | 99 | 0 | 0 | 0 |
| 01:00 - 01:15 | 28 | 0 | 0 | 0 | 09:00 - 09:15 | 86 | 7 | 0 | 0 | 17:00 - 17:15 | 100 | 0 | 0 | 0 |
| 01:15 - 01:30 | 27 | 0 | 0 | 0 | 09:15 - 09:30 | 109 | 2 | 0 | 0 | 17:15 - 17:30 | 106 | 0 | 0 | 0 |
| 01:30 - 01:45 | 31 | 0 | 0 | 0 | 09:30 - 09:45 | 97 | 2 | 0 | 0 | 17:30 - 17:45 | 95 | 2 | 0 | 0 |
| 01:45 - 02:00 | 32 | 0 | 0 | 0 | 09:45 - 10:00 | 89 | 3 | 0 | 0 | 17:45 - 18:00 | 81 | 0 | 0 | 0 |
| 02:00 - 02:15 | 20 | 0 | 0 | 0 | 10:00 - 10:15 | 119 | 0 | 0 | 1 | 18:00 - 18:15 | 74 | 0 | 0 | 0 |
| 02:15 - 02:30 | 18 | 0 | 0 | 0 | 10:15 - 10:30 | 116 | 0 | 0 | 0 | 18:15 - 18:30 | 105 | 0 | 0 | 0 |
| 02:30 - 02:45 | 21 | 0 | 0 | 0 | 10:30 - 10:45 | 134 | 2 | 0 | 0 | 18:30 - 18:45 | 102 | 0 | 0 | 0 |
| 02:45 - 03:00 | 21 | 0 | 0 | 0 | 10:45 - 11:00 | 130 | 1 | 0 | 0 | 18:45 - 19:00 | 100 | 0 | 0 | 0 |
| 03:00 - 03:15 | 13 | 0 | 0 | 0 | 11:00 - 11:15 | 136 | 0 | 0 | 0 | 19:00 - 19:15 | 74 | 0 | 0 | 0 |
| 03:15 - 03:30 | 25 | 0 | 0 | 0 | 11:15 - 11:30 | 121 | 1 | 0 | 0 | 19:15 - 19:30 | 80 | 0 | 0 | 0 |
| 03:30 - 03:45 | 17 | 0 | 0 | 0 | 11:30 - 11:45 | 99 | 0 | 0 | 0 | 19:30 - 19:45 | 92 | 0 | 0 | 0 |
| 03:45 - 04:00 | 16 | 0 | 0 | 0 | 11:45 - 12:00 | 123 | 3 | 0 | 0 | 19:45 - 20:00 | 97 | 0 | 0 | 0 |
| 04:00 - 04:15 | 21 | 0 | 0 | 0 | 12:00 - 12:15 | 109 | 0 | 0 | 0 | 20:00 - 20:15 | 76 | 0 | 0 | 0 |
| 04:15 - 04:30 | 12 | 0 | 0 | 0 | 12:15 - 12:30 | 132 | 2 | 0 | 0 | 20:15 - 20:30 | 68 | 0 | 0 | 0 |
| 04:30 - 04:45 | 16 | 0 | 0 | 0 | 12:30 - 12:45 | 117 | 0 | 0 | 0 | 20:30 - 20:45 | 81 | 0 | 0 | 0 |
| 04:45 - 05:00 | 19 | 0 | 0 | 0 | 12:45 - 13:00 | 149 | 0 | 0 | 0 | 20:45 - 21:00 | 61 | 0 | 0 | 0 |
| 05:00 - 05:15 | 13 | 0 | 0 | 0 | 13:00 - 13:15 | 139 | 0 | 0 | 0 | 21:00 - 21:15 | 68 | 0 | 0 | 0 |
| 05:15 - 05:30 | 23 | 0 | 0 | 0 | 13:15 - 13:30 | 134 | 0 | 0 | 0 | 21:15 - 21:30 | 64 | 0 | 0 | 0 |
| 05:30 - 05:45 | 18 | 0 | 0 | 0 | 13:30 - 13:45 | 123 | 0 | 0 | 0 | 21:30 - 21:45 | 67 | 0 | 0 | 0 |
| 05:45 - 06:00 | 27 | 0 | 0 | 0 | 13:45 - 14:00 | 121 | 0 | 0 | 0 | 21:45 - 22:00 | 54 | 0 | 0 | 0 |
| 06:00 - 06:15 | 12 | 1 | 0 | 0 | 14:00 - 14:15 | 128 | 0 | 0 | 0 | 22:00 - 22:15 | 65 | 0 | 0 | 0 |
| 06:15 - 06:30 | 38 | 1 | 0 | 0 | 14:15 - 14:30 | 110 | 0 | 0 | 0 | 22:15 - 22:30 | 59 | 0 | 0 | 0 |
| 06:30 - 06:45 | 26 | 0 | 0 | 0 | 14:30 - 14:45 | 145 | 0 | 0 | 0 | 22:30 - 22:45 | 49 | 0 | 0 | 0 |
| 06:45 - 07:00 | 39 | 0 | 0 | 0 | 14:45 - 15:00 | 118 | 0 | 0 | 0 | 22:45 - 23:00 | 44 | 0 | 0 | 0 |
| 07:00 - 07:15 | 27 | 0 | 0 | 0 | 15:00 - 15:15 | 128 | 0 | 0 | 0 | 23:00 - 23:15 | 52 | 0 | 0 | 0 |
| 07:15 - 07:30 | 23 | 0 | 0 | 0 | 15:15 - 15:30 | 101 | 0 | 0 | 0 | 23:15 - 23:30 | 39 | 0 | 0 | 0 |
| 07:30 - 07:45 | 42 | 1 | 0 | 0 | 15:30 - 15:45 | 125 | 0 | 0 | 0 | 23:30 - 23:45 | 50 | 0 | 0 | 0 |
| 07:45 - 08:00 | 51 | 0 | 0 | 0 | 15:45 - 16:00 | 120 | 0 | 0 | 0 | 23:45 - 24:00 | 35 | 0 | 0 | 0 |
| | | | | | | | | | | TOTAL | 7,015 | 34 | 0 | 1 |
| | | | | | | | | | | Difference | 6,981 | | -1 | |
| | | | | | | | | | | **% Error** | **20532%** | | **-100%** | |

# N. Tenaya Way south of Smoke Ranch Rd.

RTC

CA Group, Inc
CAVIOLA ANSON



Tenaya Way

Smoke Ranch Rd.

Ped Counters

Bike Tubes

Video Camera

35m
100ft

GISMO



**BIKE COUNTS SUMMARY**

- Total Weekday Bike Count: 36
- Total Weekend Bike Count: 31
- Total Bike Traffic for the Period Analyzed: 67

**Distribution by Direction**

Weekday

Northbound
28%

Southbound
72%

Weekend

Southbound
42%

Northbound
58%
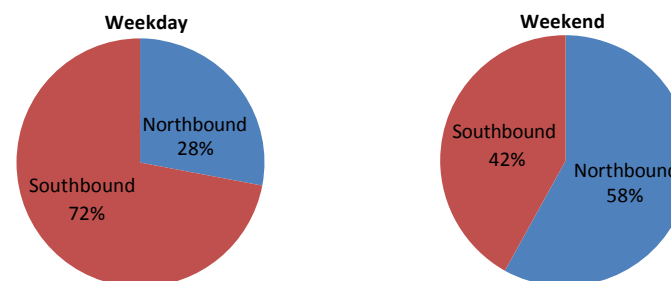
**PEDESTRIAN COUNTS SUMMARY**

- Total Weekday Pedestrian Count: 364
- Total Weekend Pedestrian Count: 92
- Total Pedestrian Traffic for the Period Analyzed: 456

**Distribution by Sidewalk Side**
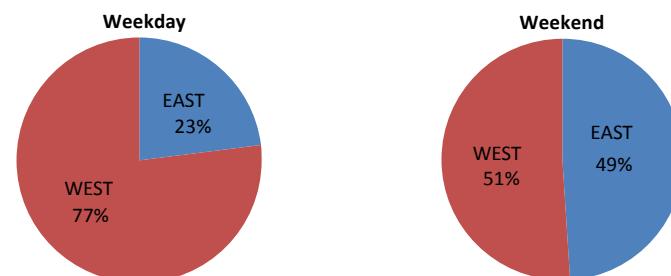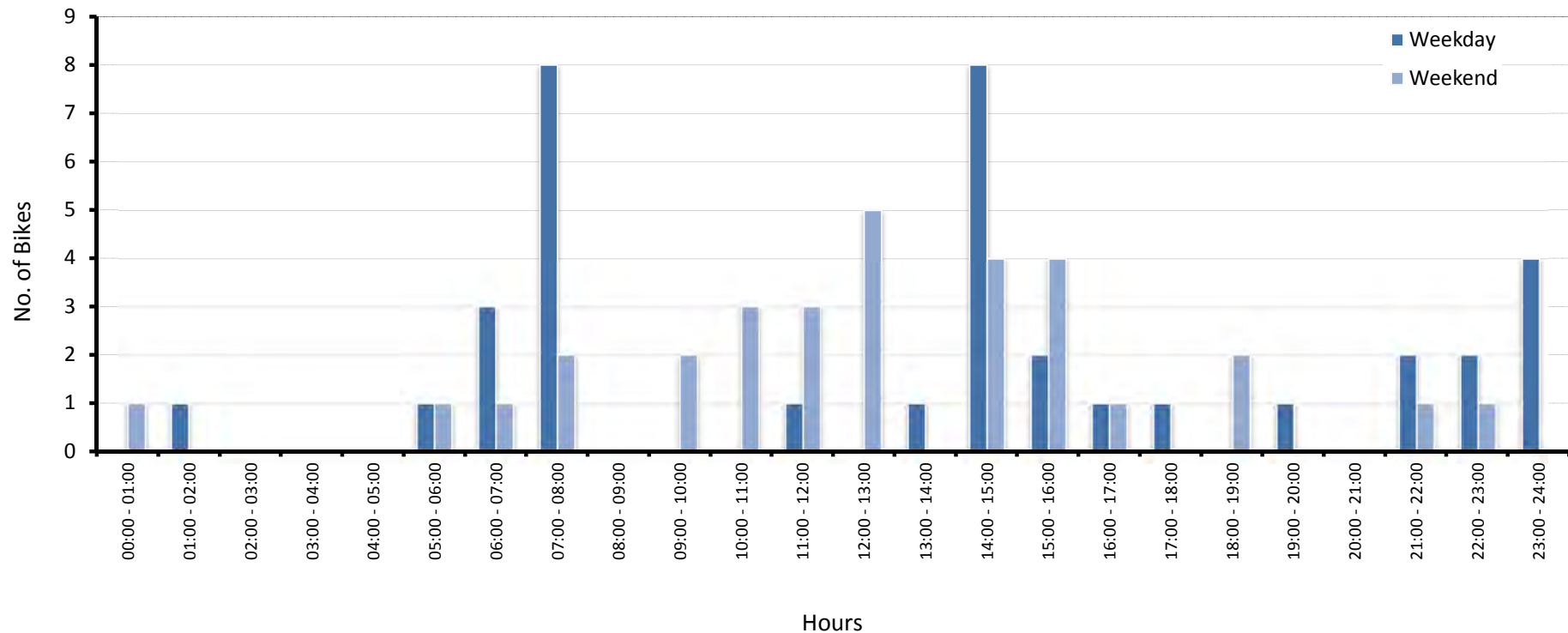
Weekday

EAST
23%

WEST
77%

Weekend

EAST
49%

WEST
51%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (11/14/2013) | | Weekend (11/16/2013) | | TIME | Weekday (11/14/2013) | | Weekend (11/16/2013) | | TIME | Weekday (11/14/2013) | | Weekend (11/16/2013) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Northbound | Southbound | Northbound | Southbound | | Northbound | Southbound | Northbound | Southbound | | Northbound | Southbound | Northbound | Southbound |
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 0 | 0 | 0 | 0 | 16:00 - 16:15 | 0 | 1 | 1 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 0 | 0 | 0 | 0 | 16:15 - 16:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 | 08:30 - 08:45 | 0 | 0 | 0 | 0 | 16:30 - 16:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 1 | 0 | 08:45 - 09:00 | 0 | 0 | 0 | 0 | 16:45 - 17:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 0 | 17:00 - 17:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 0 | 0 | 0 | 17:15 - 17:30 | 1 | 0 | 0 | 0 |
| 01:30 - 01:45 | 1 | 0 | 0 | 0 | 09:30 - 09:45 | 0 | 0 | 0 | 0 | 17:30 - 17:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 0 | 0 | 0 | 2 | 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 0 | 0 | 1 | 0 | 18:00 - 18:15 | 0 | 0 | 2 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 | 10:15 - 10:30 | 0 | 0 | 0 | 0 | 18:15 - 18:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 0 | 0 | 0 | 0 | 18:30 - 18:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 0 | 0 | 1 | 1 | 18:45 - 19:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 0 | 0 | 0 | 0 | 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 | 11:15 - 11:30 | 0 | 0 | 0 | 0 | 19:15 - 19:30 | 1 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 0 | 0 | 0 | 2 | 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 0 | 1 | 1 | 0 | 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 0 | 1 | 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 0 | 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 | 12:30 - 12:45 | 0 | 0 | 1 | 3 | 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 0 | 0 | 0 | 0 | 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 1 | 0 | 0 | 0 | 21:00 - 21:15 | 1 | 0 | 0 | 0 |
| 05:15 - 05:30 | 1 | 0 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 0 | 0 | 21:15 - 21:30 | 0 | 0 | 0 | 1 |
| 05:30 - 05:45 | 0 | 0 | 1 | 0 | 13:30 - 13:45 | 0 | 0 | 0 | 0 | 21:30 - 21:45 | 0 | 1 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 0 | 0 | 0 | 0 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 1 | 0 | 0 | 14:00 - 14:15 | 0 | 1 | 0 | 0 | 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 1 | 6 | 0 | 1 | 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 2 | 0 | 1 | 0 | 14:30 - 14:45 | 0 | 0 | 0 | 1 | 22:30 - 22:45 | 0 | 1 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 0 | 0 | 2 | 0 | 22:45 - 23:00 | 0 | 1 | 0 | 1 |
| 07:00 - 07:15 | 0 | 0 | 2 | 0 | 15:00 - 15:15 | 0 | 0 | 0 | 0 | 23:00 - 23:15 | 0 | 4 | 0 | 0 |
| 07:15 - 07:30 | 1 | 1 | 0 | 0 | 15:15 - 15:30 | 0 | 0 | 2 | 0 | 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 | 15:30 - 15:45 | 0 | 2 | 2 | 0 | 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 6 | 0 | 0 | 15:45 - 16:00 | 0 | 0 | 0 | 0 | 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | **TOTAL** | **10** | **26** | **18** | **13** |

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 0 | 0 | 0 | 0 | 16:00 - 16:15 | 0 | 0 | 1 | 1 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 0 | 0 | 0 | 0 | 16:15 - 16:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 | 08:30 - 08:45 | 0 | 0 | 0 | 0 | 16:30 - 16:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 | 08:45 - 09:00 | 2 | 0 | 1 | 0 | 16:45 - 17:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 0 | 17:00 - 17:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 0 | 0 | 0 | 17:15 - 17:30 | 0 | 1 | 0 | 0 |
| 01:30 - 01:45 | 0 | 1 | 0 | 0 | 09:30 - 09:45 | 0 | 0 | 0 | 0 | 17:30 - 17:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 0 | 0 | 0 | 0 | 17:45 - 18:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 1 | 0 | 0 | 0 | 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 | 10:15 - 10:30 | 0 | 0 | 0 | 0 | 18:15 - 18:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 0 | 0 | 0 | 0 | 18:30 - 18:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 0 | 0 | 0 | 0 | 18:45 - 19:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 0 | 0 | 1 | 0 | 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 | 11:15 - 11:30 | 0 | 0 | 0 | 0 | 19:15 - 19:30 | 0 | 1 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 1 | 0 | 1 | 0 | 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 0 | 0 | 1 | 1 | 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 0 | 0 | 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 0 | 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 | 12:30 - 12:45 | 0 | 0 | 0 | 0 | 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 0 | 0 | 0 | 0 | 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 1 | 0 | 0 | 0 | 13:00 - 13:15 | 0 | 1 | 0 | 0 | 21:00 - 21:15 | 0 | 1 | 0 | 0 |
| 05:15 - 05:30 | 0 | 1 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 0 | 0 | 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 | 13:30 - 13:45 | 0 | 0 | 0 | 0 | 21:30 - 21:45 | 0 | 0 | 1 | 1 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 0 | 0 | 0 | 0 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 1 | 1 | 14:00 - 14:15 | 1 | 0 | 1 | 1 | 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 0 | 1 | 4 | 6 | 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 2 | 0 | 0 | 14:30 - 14:45 | 0 | 0 | 1 | 0 | 22:30 - 22:45 | 0 | 0 | 1 | 1 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 0 | 0 | 0 | 0 | 22:45 - 23:00 | 0 | 0 | 0 | 1 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 | 15:00 - 15:15 | 0 | 0 | 0 | 0 | 23:00 - 23:15 | 0 | 0 | 0 | 4 |
| 07:15 - 07:30 | 0 | 1 | 1 | 1 | 15:15 - 15:30 | 0 | 0 | 0 | 0 | 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 1 | 0 | 1 | 0 | 15:30 - 15:45 | 0 | 0 | 0 | 2 | 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 0 | 4 | 6 | 15:45 - 16:00 | 0 | 0 | 0 | 0 | 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | TOTAL | 7 | 10 | 20 | 26 |
| | | | | | | | | | | Difference | 3 | | 6 | |
| | | | | | | | | | | % Error | 30% | | 23% | |

## PEDESTRIAN COUNTS

## PEDESTRIAN DATA

| TIME | Weekday (11/14/2013) EAST | Weekday (11/14/2013) WEST | Weekend (11/16/2013) EAST | Weekend (11/16/2013) WEST |
|------|------|------|------|------|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 1 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 1 |
| 05:00 - 05:15 | 1 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 1 |
| 06:15 - 06:30 | 1 | 1 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 1 |
| 06:45 - 07:00 | 0 | 0 | 1 | 0 |
| 07:00 - 07:15 | 1 | 5 | 0 | 1 |
| 07:15 - 07:30 | 1 | 17 | 0 | 1 |
| 07:30 - 07:45 | 0 | 25 | 0 | 2 |
| 07:45 - 08:00 | 3 | 49 | 0 | 0 |

| TIME | Weekday (11/14/2013) EAST | Weekday (11/14/2013) WEST | Weekend (11/16/2013) EAST | Weekend (11/16/2013) WEST |
|------|------|------|------|------|
| 08:00 - 08:15 | 0 | 4 | 0 | 0 |
| 08:15 - 08:30 | 0 | 2 | 0 | 0 |
| 08:30 - 08:45 | 0 | 1 | 0 | 0 |
| 08:45 - 09:00 | 1 | 4 | 1 | 1 |
| 09:00 - 09:15 | 1 | 1 | 0 | 2 |
| 09:15 - 09:30 | 0 | 1 | 1 | 0 |
| 09:30 - 09:45 | 0 | 1 | 1 | 0 |
| 09:45 - 10:00 | 0 | 0 | 1 | 4 |
| 10:00 - 10:15 | 2 | 0 | 0 | 0 |
| 10:15 - 10:30 | 2 | 0 | 0 | 0 |
| 10:30 - 10:45 | 0 | 1 | 0 | 1 |
| 10:45 - 11:00 | 0 | 3 | 4 | 1 |
| 11:00 - 11:15 | 0 | 3 | 1 | 1 |
| 11:15 - 11:30 | 0 | 2 | 0 | 1 |
| 11:30 - 11:45 | 0 | 0 | 2 | 0 |
| 11:45 - 12:00 | 0 | 0 | 0 | 1 |
| 12:00 - 12:15 | 0 | 2 | 0 | 1 |
| 12:15 - 12:30 | 0 | 0 | 1 | 0 |
| 12:30 - 12:45 | 1 | 0 | 0 | 7 |
| 12:45 - 13:00 | 3 | 2 | 0 | 1 |
| 13:00 - 13:15 | 0 | 0 | 1 | 0 |
| 13:15 - 13:30 | 0 | 2 | 0 | 0 |
| 13:30 - 13:45 | 1 | 1 | 1 | 0 |
| 13:45 - 14:00 | 0 | 0 | 0 | 0 |
| 14:00 - 14:15 | 0 | 1 | 0 | 0 |
| 14:15 - 14:30 | 46 | 78 | 0 | 0 |
| 14:30 - 14:45 | 0 | 12 | 2 | 1 |
| 14:45 - 15:00 | 1 | 1 | 1 | 0 |
| 15:00 - 15:15 | 4 | 4 | 0 | 1 |
| 15:15 - 15:30 | 3 | 5 | 0 | 0 |
| 15:30 - 15:45 | 0 | 14 | 1 | 2 |
| 15:45 - 16:00 | 0 | 7 | 0 | 7 |

| TIME | Weekday (11/14/2013) EAST | Weekday (11/14/2013) WEST | Weekend (11/16/2013) EAST | Weekend (11/16/2013) WEST |
|------|------|------|------|------|
| 16:00 - 16:15 | 1 | 1 | 0 | 2 |
| 16:15 - 16:30 | 1 | 2 | 0 | 0 |
| 16:30 - 16:45 | 0 | 1 | 0 | 0 |
| 16:45 - 17:00 | 0 | 7 | 3 | 0 |
| 17:00 - 17:15 | 1 | 4 | 1 | 0 |
| 17:15 - 17:30 | 0 | 2 | 1 | 2 |
| 17:30 - 17:45 | 0 | 0 | 2 | 0 |
| 17:45 - 18:00 | 1 | 1 | 0 | 0 |
| 18:00 - 18:15 | 0 | 1 | 0 | 0 |
| 18:15 - 18:30 | 2 | 4 | 1 | 0 |
| 18:30 - 18:45 | 0 | 0 | 4 | 0 |
| 18:45 - 19:00 | 0 | 0 | 2 | 1 |
| 19:00 - 19:15 | 0 | 0 | 0 | 2 |
| 19:15 - 19:30 | 0 | 0 | 1 | 0 |
| 19:30 - 19:45 | 1 | 1 | 0 | 0 |
| 19:45 - 20:00 | 1 | 0 | 0 | 0 |
| 20:00 - 20:15 | 0 | 0 | 1 | 0 |
| 20:15 - 20:30 | 0 | 3 | 0 | 0 |
| 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 20:45 - 21:00 | 2 | 0 | 0 | 0 |
| 21:00 - 21:15 | 1 | 1 | 0 | 0 |
| 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | 2 | 0 |
| 21:45 - 22:00 | 0 | 2 | 0 | 1 |
| 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 22:15 - 22:30 | 0 | 0 | 4 | 0 |
| 22:30 - 22:45 | 0 | 0 | 2 | 0 |
| 22:45 - 23:00 | 1 | 0 | 0 | 0 |
| 23:00 - 23:15 | 0 | 0 | 2 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| **TOTAL** | **85** | **279** | **45** | **47** |

# ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | | 0 |
| 00:30 - 00:45 | 0 | 0 | | 0 |
| 00:45 - 01:00 | 0 | 0 | | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | | 0 |
| 01:30 - 01:45 | 0 | 0 | | 0 |
| 01:45 - 02:00 | 0 | 1 | | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | | 0 |
| 02:30 - 02:45 | 0 | 0 | | 0 |
| 02:45 - 03:00 | 0 | 0 | | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | | 0 |
| 03:30 - 03:45 | 0 | 0 | | 0 |
| 03:45 - 04:00 | 0 | 0 | | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | | 0 |
| 04:30 - 04:45 | 0 | 0 | | 0 |
| 04:45 - 05:00 | 0 | 0 | | 0 |
| 05:00 - 05:15 | 0 | 1 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | | 0 |
| 05:30 - 05:45 | 0 | 0 | | 0 |
| 05:45 - 06:00 | 0 | 0 | | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 1 | | 1 |
| 06:30 - 06:45 | 0 | 0 | | 0 |
| 06:45 - 07:00 | 0 | 0 | | 0 |
| 07:00 - 07:15 | 0 | 1 | 44 | 5 |
| 07:15 - 07:30 | 0 | 1 | | 17 |
| 07:30 - 07:45 | 0 | 0 | | 25 |
| 07:45 - 08:00 | 0 | 3 | | 49 |

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 08:00 - 08:15 | 0 | 0 | 6 | 4 |
| 08:15 - 08:30 | 0 | 0 | | 2 |
| 08:30 - 08:45 | 0 | 0 | | 1 |
| 08:45 - 09:00 | 0 | 1 | | 4 |
| 09:00 - 09:15 | 0 | 1 | 4 | 1 |
| 09:15 - 09:30 | 0 | 0 | | 1 |
| 09:30 - 09:45 | 0 | 0 | | 1 |
| 09:45 - 10:00 | 1 | 0 | | 0 |
| 10:00 - 10:15 | 0 | 2 | 0 | 0 |
| 10:15 - 10:30 | 0 | 2 | | 0 |
| 10:30 - 10:45 | 0 | 0 | | 1 |
| 10:45 - 11:00 | 0 | 0 | | 3 |
| 11:00 - 11:15 | 0 | 0 | 1 | 3 |
| 11:15 - 11:30 | 0 | 0 | | 2 |
| 11:30 - 11:45 | 0 | 0 | | 0 |
| 11:45 - 12:00 | 0 | 0 | | 0 |
| 12:00 - 12:15 | 0 | 0 | 0 | 2 |
| 12:15 - 12:30 | 0 | 0 | | 0 |
| 12:30 - 12:45 | 0 | 1 | | 0 |
| 12:45 - 13:00 | 1 | 3 | | 2 |
| 13:00 - 13:15 | 0 | 0 | 2 | 0 |
| 13:15 - 13:30 | 0 | 0 | | 2 |
| 13:30 - 13:45 | 0 | 1 | | 1 |
| 13:45 - 14:00 | 0 | 0 | | 0 |
| 14:00 - 14:15 | 0 | 0 | 52 | 1 |
| 14:15 - 14:30 | 15 | 46 | | 78 |
| 14:30 - 14:45 | 0 | 0 | | 12 |
| 14:45 - 15:00 | 0 | 1 | | 1 |
| 15:00 - 15:15 | 1 | 4 | 15 | 4 |
| 15:15 - 15:30 | 1 | 3 | | 5 |
| 15:30 - 15:45 | 0 | 0 | | 14 |
| 15:45 - 16:00 | 0 | 0 | | 7 |

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 16:00 - 16:15 | 0 | 1 | 6 | 1 |
| 16:15 - 16:30 | 0 | 1 | | 2 |
| 16:30 - 16:45 | 0 | 0 | | 1 |
| 16:45 - 17:00 | 0 | 0 | | 7 |
| 17:00 - 17:15 | 0 | 1 | 1 | 4 |
| 17:15 - 17:30 | 0 | 0 | | 2 |
| 17:30 - 17:45 | 0 | 0 | | 0 |
| 17:45 - 18:00 | 0 | 1 | | 1 |
| 18:00 - 18:15 | 1 | 0 | 2 | 1 |
| 18:15 - 18:30 | 0 | 2 | | 4 |
| 18:30 - 18:45 | 0 | 0 | | 0 |
| 18:45 - 19:00 | 0 | 0 | | 0 |
| 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 19:15 - 19:30 | 0 | 0 | | 0 |
| 19:30 - 19:45 | 0 | 1 | | 1 |
| 19:45 - 20:00 | 0 | 1 | | 0 |
| 20:00 - 20:15 | 0 | 0 | 1 | 0 |
| 20:15 - 20:30 | 0 | 0 | | 3 |
| 20:30 - 20:45 | 0 | 0 | | 0 |
| 20:45 - 21:00 | 0 | 2 | | 0 |
| 21:00 - 21:15 | 0 | 1 | 2 | 1 |
| 21:15 - 21:30 | 0 | 0 | | 0 |
| 21:30 - 21:45 | 0 | 0 | | 0 |
| 21:45 - 22:00 | 0 | 0 | | 2 |
| 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 22:15 - 22:30 | 0 | 0 | | 0 |
| 22:30 - 22:45 | 0 | 0 | | 0 |
| 22:45 - 23:00 | 0 | 1 | | 0 |
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | | 0 |
| 23:30 - 23:45 | 0 | 0 | | 0 |
| 23:45 - 24:00 | 0 | 0 | | 0 |
| TOTAL | 20 | 85 | 136 | 279 |
| Difference | -65 | | -143 | |
| % Error | -76% | | -51% | |

# E. Tropical Pkwy. east of N. Lawrence St.

RTC

CA Group, Inc
CAVIOLA ANSON



Tropical Pkwy.

Video Camera

Ped Counters

Bike Tubes

Lawrence St.

15m
65ft
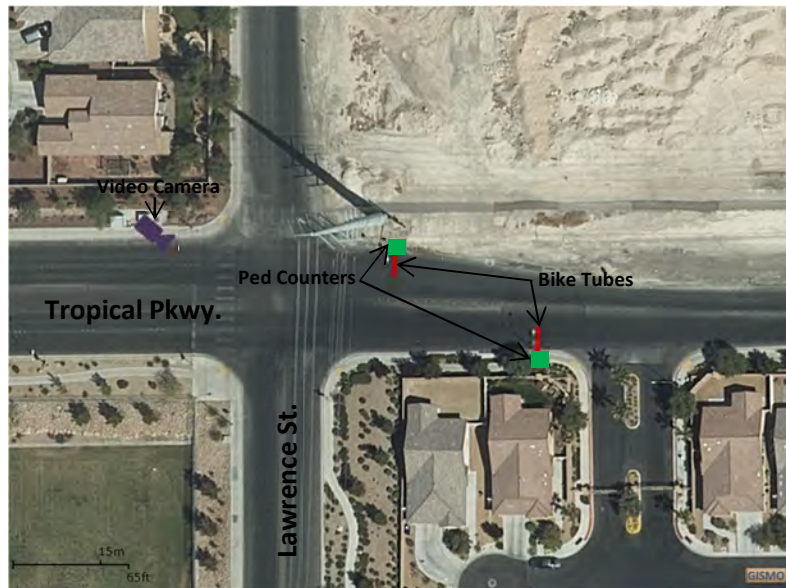
## BIKE COUNTS SUMMARY

- Total Weekday Bike Count: 17
- Total Weekend Bike Count: 29
- Total Bike Traffic for the Period Analyzed: 46

### Distribution by Direction

**Weekday**
- Westbound 18%
- Eastbound 82%

**Weekend**
- Westbound 10%
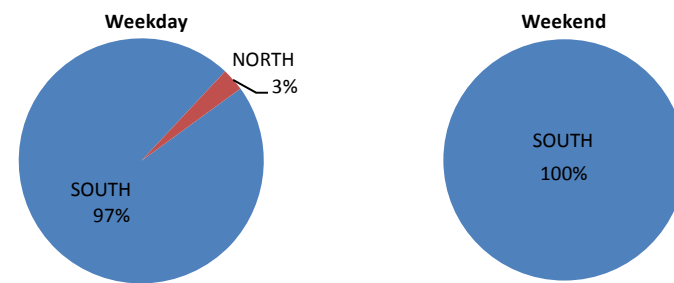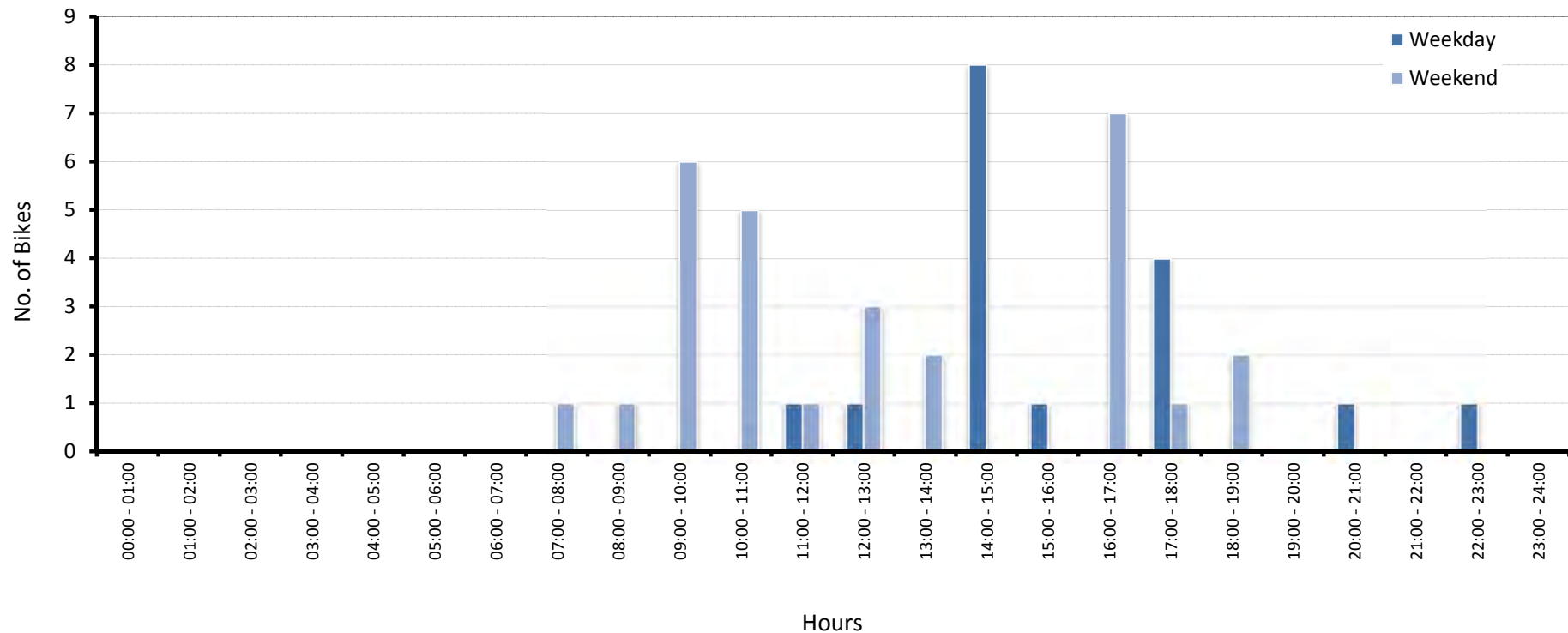- Eastbound 90%
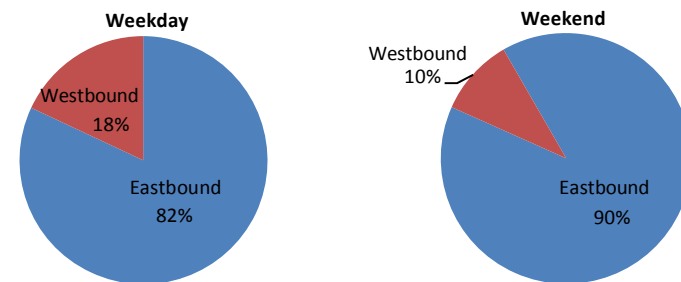
## PEDESTRIAN COUNTS SUMMARY

- Total Weekday Pedestrian Count: 107
- Total Weekend Pedestrian Count: 39
- Total Pedestrian Traffic for the Period Analyzed: 146

### Distribution by Sidewalk Side

**Weekday**
- NORTH 3%
- SOUTH 97%

**Weekend**
- SOUTH 100%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (10/31/2013) Eastbound | Weekday (10/31/2013) Westbound | Weekend (11/02/2013) Eastbound | Weekend (11/02/2013) Westbound | TIME | Weekday (10/31/2013) Eastbound | Weekday (10/31/2013) Westbound | Weekend (11/02/2013) Eastbound | Weekend (11/02/2013) Westbound | TIME | Weekday (10/31/2013) Eastbound | Weekday (10/31/2013) Westbound | Weekend (11/02/2013) Eastbound | Weekend (11/02/2013) Westbound |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 0 | 0 | 0 | 1 | 16:00 - 16:15 | 0 | 0 | 3 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 0 | 0 | 0 | 0 | 16:15 - 16:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 | 08:30 - 08:45 | 0 | 0 | 0 | 0 | 16:30 - 16:45 | 0 | 0 | 4 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 | 08:45 - 09:00 | 0 | 0 | 0 | 0 | 16:45 - 17:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 0 | 17:00 - 17:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 0 | 5 | 0 | 17:15 - 17:30 | 2 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 0 | 0 | 0 | 0 | 17:30 - 17:45 | 1 | 0 | 1 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 0 | 0 | 1 | 0 | 17:45 - 18:00 | 1 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 0 | 0 | 0 | 0 | 18:00 - 18:15 | 0 | 0 | 1 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 | 10:15 - 10:30 | 0 | 0 | 2 | 0 | 18:15 - 18:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 0 | 0 | 1 | 0 | 18:30 - 18:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 0 | 0 | 2 | 0 | 18:45 - 19:00 | 0 | 0 | 1 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 0 | 0 | 1 | 0 | 19:00 - 19:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 | 11:15 - 11:30 | 1 | 0 | 0 | 0 | 19:15 - 19:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 0 | 0 | 0 | 0 | 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 0 | 0 | 0 | 0 | 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 1 | 0 | 20:00 - 20:15 | 1 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 1 | 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 | 12:30 - 12:45 | 0 | 1 | 0 | 0 | 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 0 | 0 | 1 | 0 | 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 0 | 0 | 1 | 0 | 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 0 | 0 | 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 | 13:30 - 13:45 | 0 | 0 | 1 | 0 | 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 0 | 0 | 0 | 0 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 | 14:00 - 14:15 | 0 | 0 | 0 | 0 | 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 6 | 2 | 0 | 0 | 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 | 14:30 - 14:45 | 0 | 0 | 0 | 0 | 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 0 | 0 | 0 | 0 | 22:45 - 23:00 | 1 | 0 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 | 15:00 - 15:15 | 0 | 0 | 0 | 0 | 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 | 15:15 - 15:30 | 0 | 0 | 0 | 0 | 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 1 | 15:30 - 15:45 | 0 | 0 | 0 | 0 | 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 0 | 0 | 0 | 15:45 - 16:00 | 1 | 0 | 0 | 0 | 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | **TOTAL** | **14** | **3** | **26** | **3** |

# ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 00:00 - 00:15 | 5 | 0 | 0 | 0 |
| 00:15 - 00:30 | 1 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 |
| 00:45 - 01:00 | 3 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 1 | 0 | 1 | 0 |
| 01:30 - 01:45 | 2 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 2 | 0 | 0 | 0 |
| 02:45 - 03:00 | 1 | 0 | 0 | 0 |
| 03:00 - 03:15 | 1 | 0 | 0 | 0 |
| 03:15 - 03:30 | 1 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 3 | 0 | 0 | 0 |
| 04:00 - 04:15 | 2 | 0 | 0 | 0 |
| 04:15 - 04:30 | 1 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 3 | 0 | 0 | 0 |
| 05:00 - 05:15 | 3 | 0 | 0 | 0 |
| 05:15 - 05:30 | 1 | 0 | 0 | 0 |
| 05:30 - 05:45 | 2 | 0 | 0 | 0 |
| 05:45 - 06:00 | 1 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 2 | 0 | 0 | 0 |
| 06:30 - 06:45 | 1 | 0 | 0 | 0 |
| 06:45 - 07:00 | 2 | 0 | 0 | 0 |
| 07:00 - 07:15 | 4 | 0 | 0 | 0 |
| 07:15 - 07:30 | 5 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 1 | 1 |
| 07:45 - 08:00 | 2 | 0 | 0 | 0 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 08:00 - 08:15 | 6 | 0 | 1 | 1 |
| 08:15 - 08:30 | 6 | 0 | 0 | 0 |
| 08:30 - 08:45 | 7 | 0 | 1 | 0 |
| 08:45 - 09:00 | 9 | 0 | 0 | 0 |
| 09:00 - 09:15 | 10 | 0 | 1 | 0 |
| 09:15 - 09:30 | 11 | 5 | 0 | 0 |
| 09:30 - 09:45 | 8 | 0 | 1 | 0 |
| 09:45 - 10:00 | 12 | 1 | 0 | 0 |
| 10:00 - 10:15 | 8 | 0 | 0 | 0 |
| 10:15 - 10:30 | 7 | 2 | 0 | 0 |
| 10:30 - 10:45 | 17 | 1 | 0 | 0 |
| 10:45 - 11:00 | 9 | 2 | 0 | 0 |
| 11:00 - 11:15 | 12 | 1 | 0 | 0 |
| 11:15 - 11:30 | 11 | 0 | 0 | 0 |
| 11:30 - 11:45 | 11 | 0 | 0 | 0 |
| 11:45 - 12:00 | 9 | 0 | 0 | 0 |
| 12:00 - 12:15 | 7 | 1 | 0 | 0 |
| 12:15 - 12:30 | 9 | 0 | 1 | 1 |
| 12:30 - 12:45 | 6 | 0 | 0 | 0 |
| 12:45 - 13:00 | 6 | 1 | 0 | 0 |
| 13:00 - 13:15 | 8 | 1 | 0 | 0 |
| 13:15 - 13:30 | 11 | 0 | 0 | 0 |
| 13:30 - 13:45 | 7 | 1 | 0 | 0 |
| 13:45 - 14:00 | 5 | 0 | 0 | 0 |
| 14:00 - 14:15 | 5 | 0 | 0 | 0 |
| 14:15 - 14:30 | 10 | 0 | 0 | 0 |
| 14:30 - 14:45 | 10 | 0 | 0 | 0 |
| 14:45 - 15:00 | 8 | 0 | 0 | 0 |
| 15:00 - 15:15 | 3 | 0 | 0 | 0 |
| 15:15 - 15:30 | 9 | 0 | 0 | 0 |
| 15:30 - 15:45 | 8 | 0 | 0 | 0 |
| 15:45 - 16:00 | 7 | 0 | 0 | 0 |

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|
| 16:00 - 16:15 | 11 | 3 | 0 | 0 |
| 16:15 - 16:30 | 7 | 0 | 0 | 0 |
| 16:30 - 16:45 | 5 | 4 | 0 | 0 |
| 16:45 - 17:00 | 6 | 0 | 0 | 0 |
| 17:00 - 17:15 | 7 | 0 | 1 | 0 |
| 17:15 - 17:30 | 8 | 0 | 0 | 0 |
| 17:30 - 17:45 | 9 | 1 | 0 | 0 |
| 17:45 - 18:00 | 8 | 0 | 1 | 0 |
| 18:00 - 18:15 | 9 | 1 | 0 | 0 |
| 18:15 - 18:30 | 11 | 0 | 0 | 0 |
| 18:30 - 18:45 | 7 | 0 | 0 | 0 |
| 18:45 - 19:00 | 5 | 1 | 0 | 0 |
| 19:00 - 19:15 | 5 | 0 | 0 | 0 |
| 19:15 - 19:30 | 6 | 0 | 0 | 0 |
| 19:30 - 19:45 | 5 | 0 | 0 | 0 |
| 19:45 - 20:00 | 5 | 0 | 0 | 0 |
| 20:00 - 20:15 | 7 | 0 | 0 | 0 |
| 20:15 - 20:30 | 2 | 0 | 0 | 0 |
| 20:30 - 20:45 | 1 | 0 | 0 | 0 |
| 20:45 - 21:00 | 4 | 0 | 0 | 0 |
| 21:00 - 21:15 | 4 | 0 | 0 | 0 |
| 21:15 - 21:30 | 4 | 0 | 0 | 0 |
| 21:30 - 21:45 | 4 | 0 | 0 | 0 |
| 21:45 - 22:00 | 3 | 0 | 0 | 0 |
| 22:00 - 22:15 | 1 | 0 | 0 | 0 |
| 22:15 - 22:30 | 4 | 0 | 0 | 0 |
| 22:30 - 22:45 | 5 | 0 | 0 | 0 |
| 22:45 - 23:00 | 4 | 0 | 0 | 0 |
| 23:00 - 23:15 | 2 | 0 | 0 | 0 |
| 23:15 - 23:30 | 1 | 0 | 0 | 0 |
| 23:30 - 23:45 | 4 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| TOTAL | 485 | 26 | 9 | 3 |
| Difference | 459 | | 6 | |
| % Error | 1765% | | 200% | |

**PEDESTRIAN COUNTS**

## PEDESTRIAN DATA

| TIME | Weekday (10/31/2013) SOUTH | Weekday (10/31/2013) NORTH | Weekend (11/02/2013) SOUTH | Weekend (11/02/2013) NORTH | TIME | Weekday (10/31/2013) SOUTH | Weekday (10/31/2013) NORTH | Weekend (11/02/2013) SOUTH | Weekend (11/02/2013) NORTH | TIME | Weekday (10/31/2013) SOUTH | Weekday (10/31/2013) NORTH | Weekend (11/02/2013) SOUTH | Weekend (11/02/2013) NORTH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 0 | 0 | 0 | 0 | 16:00 - 16:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 0 | 0 | 1 | 0 | 16:15 - 16:30 | 1 | 0 | 0 | 0 |
| 00:30 - 00:45 | 0 | 0 | 0 | 0 | 08:30 - 08:45 | 1 | 0 | 0 | 0 | 16:30 - 16:45 | 0 | 0 | 2 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 0 | 08:45 - 09:00 | 1 | 0 | 0 | 0 | 16:45 - 17:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 1 | 0 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 0 | 17:00 - 17:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 0 | 0 | 0 | 17:15 - 17:30 | 0 | 0 | 1 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 0 | 0 | 0 | 0 | 17:30 - 17:45 | 2 | 0 | 2 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 0 | 0 | 1 | 0 | 17:45 - 18:00 | 2 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 0 | 0 | 0 | 0 | 18:00 - 18:15 | 0 | 0 | 1 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 | 10:15 - 10:30 | 1 | 0 | 0 | 0 | 18:15 - 18:30 | 0 | 0 | 2 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 0 | 0 | 0 | 0 | 18:30 - 18:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 0 | 0 | 1 | 0 | 18:45 - 19:00 | 3 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 0 | 0 | 0 | 0 | 19:00 - 19:15 | 4 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 | 11:15 - 11:30 | 0 | 0 | 0 | 0 | 19:15 - 19:30 | 2 | 0 | 1 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 0 | 0 | 6 | 0 | 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 1 | 0 | 0 | 0 | 19:45 - 20:00 | 5 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 1 | 0 | 20:00 - 20:15 | 2 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 1 | 0 | 2 | 0 | 20:15 - 20:30 | 0 | 0 | 1 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 | 12:30 - 12:45 | 1 | 0 | 3 | 0 | 20:30 - 20:45 | 0 | 0 | 1 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 2 | 0 | 0 | 0 | 20:45 - 21:00 | 0 | 0 | 1 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 1 | 0 | 3 | 0 | 21:00 - 21:15 | 2 | 0 | 0 | 0 |
| 05:15 - 05:30 | 2 | 0 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 0 | 0 | 21:15 - 21:30 | 2 | 0 | 2 | 0 |
| 05:30 - 05:45 | 0 | 0 | 1 | 0 | 13:30 - 13:45 | 0 | 0 | 0 | 0 | 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 1 | 0 | 0 | 0 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 0 | 0 | 0 | 0 | 14:00 - 14:15 | 0 | 0 | 2 | 0 | 22:00 - 22:15 | 4 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 34 | 2 | 0 | 0 | 22:15 - 22:30 | 5 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 0 | 0 | 0 | 14:30 - 14:45 | 7 | 0 | 0 | 0 | 22:30 - 22:45 | 1 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 2 | 0 | 0 | 0 | 22:45 - 23:00 | 1 | 0 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 | 15:00 - 15:15 | 2 | 0 | 0 | 0 | 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 | 15:15 - 15:30 | 3 | 0 | 2 | 0 | 23:15 - 23:30 | 1 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 | 15:30 - 15:45 | 3 | 0 | 0 | 0 | 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 0 | 0 | 0 | 0 | 15:45 - 16:00 | 3 | 0 | 2 | 0 | 23:45 - 24:00 | 0 | 1 | 0 | 0 |
| | | | | | | | | | | TOTAL | 104 | 3 | 39 | 0 |

# Washington Ave. at H St.

**CA Group, Inc** · CAVIOLA ANSON



**BIKE COUNTS SUMMARY**

- Total Weekday Bike Count: 20
- Total Weekend Bike Count: 31
- Total Bike Traffic for the Period Analyzed: 51

**Distribution by Direction**



Weekday
- Westbound 45%
- Eastbound 55%

Weekend
- Westbound 52%
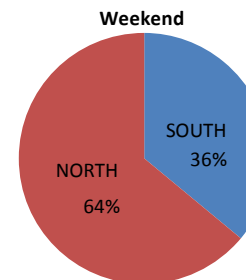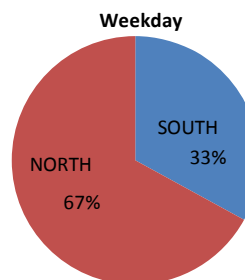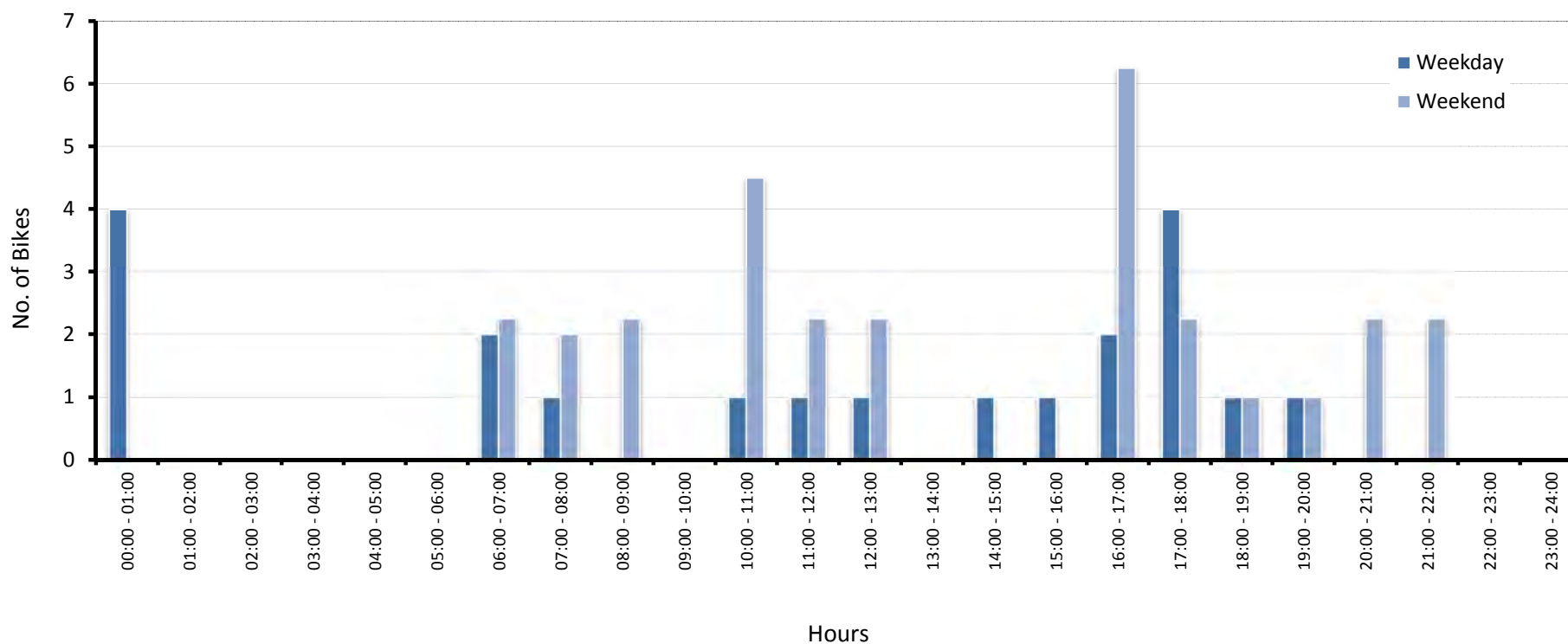- Eastbound 48%
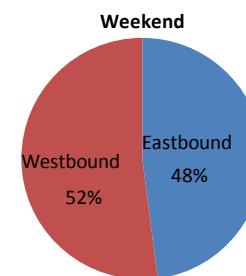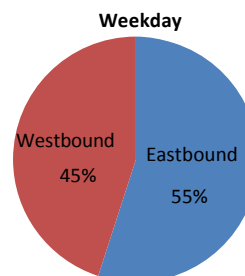
**PEDESTRIAN COUNTS SUMMARY**

- Total Weekday Pedestrian Count: 131
- Total Weekend Pedestrian Count: 94
- Total Pedestrian Traffic for the Period Analyzed: 225

**Distribution by Sidewalk Side**



Weekday
- SOUTH 33%
- NORTH 67%

Weekend
- SOUTH 36%
- NORTH 64%

## BIKE COUNTS

## BIKE DATA

| TIME | Weekday (11/21/2013) Eastbound | Weekday (11/21/2013) Westbound | Weekend (11/23/2013) Eastbound | Weekend (11/23/2013) Westbound |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 |
| 00:30 - 00:45 | 1 | 2 | 0 | 0 |
| 00:45 - 01:00 | 0 | 1 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 1 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 2 |
| 06:30 - 06:45 | 1 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 1 | 0 |
| 07:15 - 07:30 | 0 | 0 | 1 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 1 | 0 | 0 | 0 |
| 08:00 - 08:15 | 0 | 0 | 0 | 0 |
| 08:15 - 08:30 | 0 | 0 | 2 | 0 |
| 08:30 - 08:45 | 0 | 0 | 0 | 0 |
| 08:45 - 09:00 | 0 | 0 | 0 | 0 |
| 09:00 - 09:15 | 0 | 0 | 0 | 0 |
| 09:15 - 09:30 | 0 | 0 | 0 | 0 |
| 09:30 - 09:45 | 0 | 0 | 0 | 0 |
| 09:45 - 10:00 | 0 | 0 | 0 | 0 |
| 10:00 - 10:15 | 1 | 0 | 0 | 0 |
| 10:15 - 10:30 | 0 | 0 | 0 | 2 |
| 10:30 - 10:45 | 0 | 0 | 0 | 0 |
| 10:45 - 11:00 | 0 | 0 | 0 | 2 |
| 11:00 - 11:15 | 0 | 0 | 0 | 0 |
| 11:15 - 11:30 | 0 | 0 | 2 | 0 |
| 11:30 - 11:45 | 0 | 1 | 0 | 0 |
| 11:45 - 12:00 | 0 | 0 | 0 | 0 |
| 12:00 - 12:15 | 0 | 0 | 0 | 0 |
| 12:15 - 12:30 | 0 | 0 | 0 | 0 |
| 12:30 - 12:45 | 0 | 0 | 0 | 0 |
| 12:45 - 13:00 | 1 | 0 | 0 | 2 |
| 13:00 - 13:15 | 0 | 0 | 0 | 0 |
| 13:15 - 13:30 | 0 | 0 | 0 | 0 |
| 13:30 - 13:45 | 0 | 0 | 0 | 0 |
| 13:45 - 14:00 | 0 | 0 | 0 | 0 |
| 14:00 - 14:15 | 0 | 0 | 0 | 0 |
| 14:15 - 14:30 | 0 | 1 | 0 | 0 |
| 14:30 - 14:45 | 0 | 0 | 0 | 0 |
| 14:45 - 15:00 | 0 | 0 | 0 | 0 |
| 15:00 - 15:15 | 0 | 0 | 0 | 0 |
| 15:15 - 15:30 | 0 | 0 | 0 | 0 |
| 15:30 - 15:45 | 1 | 0 | 0 | 0 |
| 15:45 - 16:00 | 0 | 0 | 0 | 0 |
| 16:00 - 16:15 | 0 | 1 | 0 | 0 |
| 16:15 - 16:30 | 0 | 0 | 0 | 0 |
| 16:30 - 16:45 | 1 | 0 | 1 | 2 |
| 16:45 - 17:00 | 0 | 0 | 3 | 0 |
| 17:00 - 17:15 | 0 | 1 | 0 | 0 |
| 17:15 - 17:30 | 1 | 1 | 0 | 2 |
| 17:30 - 17:45 | 0 | 0 | 0 | 0 |
| 17:45 - 18:00 | 0 | 1 | 0 | 0 |
| 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 18:15 - 18:30 | 0 | 0 | 0 | 0 |
| 18:30 - 18:45 | 0 | 0 | 0 | 0 |
| 18:45 - 19:00 | 1 | 0 | 1 | 0 |
| 19:00 - 19:15 | 0 | 0 | 1 | 0 |
| 19:15 - 19:30 | 1 | 0 | 0 | 0 |
| 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 20:15 - 20:30 | 0 | 0 | 2 | 0 |
| 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 21:00 - 21:15 | 0 | 0 | 0 | 2 |
| 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| TOTAL | 11 | 9 | 15 | 16 |

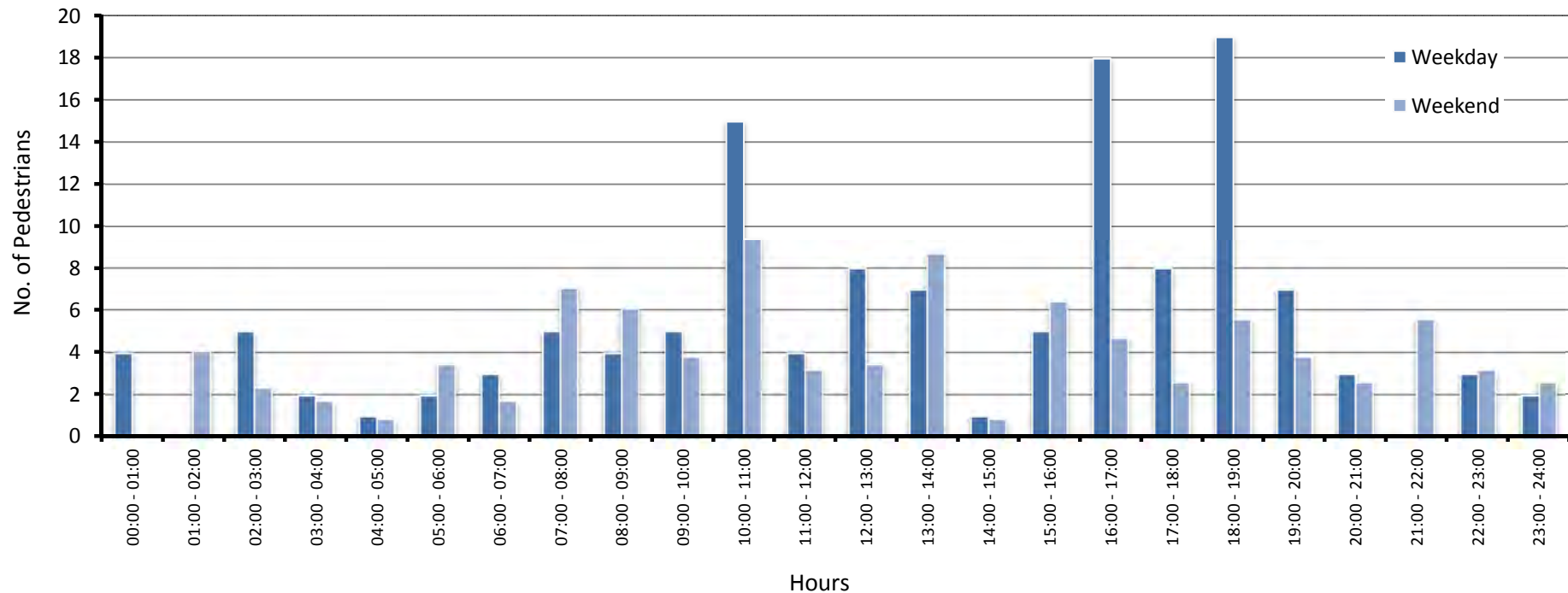Estimated counts using correction factor

## ERROR RATE CALCULATION FOR BIKES

| TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera | TIME | Bike Counter | Video Camera | Bike Counter | Video Camera |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | 0 | 0 | 08:00 - 08:15 | 0 | 0 | 0 | 0 | 16:00 - 16:15 | 0 | 0 | 0 | 1 |
| 00:15 - 00:30 | 0 | 0 | 0 | 0 | 08:15 - 08:30 | 0 | 0 | 0 | 0 | 16:15 - 16:30 | 0 | 0 | 1 | 0 |
| 00:30 - 00:45 | 0 | 1 | 0 | 2 | 08:30 - 08:45 | 0 | 0 | 0 | 0 | 16:30 - 16:45 | 0 | 1 | 0 | 0 |
| 00:45 - 01:00 | 0 | 0 | 0 | 1 | 08:45 - 09:00 | 0 | 0 | 1 | 0 | 16:45 - 17:00 | 0 | 0 | 0 | 0 |
| 01:00 - 01:15 | 0 | 0 | 0 | 0 | 09:00 - 09:15 | 0 | 0 | 0 | 0 | 17:00 - 17:15 | 1 | 0 | 0 | 1 |
| 01:15 - 01:30 | 0 | 0 | 0 | 0 | 09:15 - 09:30 | 0 | 0 | 0 | 0 | 17:15 - 17:30 | 0 | 1 | 0 | 1 |
| 01:30 - 01:45 | 0 | 0 | 0 | 0 | 09:30 - 09:45 | 0 | 0 | 0 | 0 | 17:30 - 17:45 | 0 | 0 | 2 | 0 |
| 01:45 - 02:00 | 0 | 0 | 0 | 0 | 09:45 - 10:00 | 0 | 0 | 0 | 0 | 17:45 - 18:00 | 0 | 0 | 0 | 1 |
| 02:00 - 02:15 | 0 | 0 | 0 | 0 | 10:00 - 10:15 | 1 | 1 | 0 | 0 | 18:00 - 18:15 | 0 | 0 | 0 | 0 |
| 02:15 - 02:30 | 0 | 0 | 0 | 0 | 10:15 - 10:30 | 0 | 0 | 0 | 0 | 18:15 - 18:30 | 0 | 0 | 0 | 0 |
| 02:30 - 02:45 | 0 | 0 | 0 | 0 | 10:30 - 10:45 | 0 | 0 | 0 | 0 | 18:30 - 18:45 | 0 | 0 | 0 | 0 |
| 02:45 - 03:00 | 0 | 0 | 0 | 0 | 10:45 - 11:00 | 0 | 0 | 0 | 0 | 18:45 - 19:00 | 0 | 1 | 0 | 0 |
| 03:00 - 03:15 | 0 | 0 | 0 | 0 | 11:00 - 11:15 | 0 | 0 | 0 | 0 | 19:00 - 19:15 | 2 | 0 | 0 | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 | 11:15 - 11:30 | 0 | 0 | 0 | 0 | 19:15 - 19:30 | 0 | 1 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | 0 | 0 | 11:30 - 11:45 | 0 | 0 | 0 | 1 | 19:30 - 19:45 | 0 | 0 | 0 | 0 |
| 03:45 - 04:00 | 0 | 0 | 0 | 0 | 11:45 - 12:00 | 0 | 0 | 0 | 0 | 19:45 - 20:00 | 0 | 0 | 0 | 0 |
| 04:00 - 04:15 | 0 | 0 | 0 | 0 | 12:00 - 12:15 | 0 | 0 | 0 | 0 | 20:00 - 20:15 | 0 | 0 | 0 | 0 |
| 04:15 - 04:30 | 0 | 0 | 0 | 0 | 12:15 - 12:30 | 0 | 0 | 0 | 0 | 20:15 - 20:30 | 0 | 0 | 0 | 0 |
| 04:30 - 04:45 | 0 | 0 | 0 | 0 | 12:30 - 12:45 | 0 | 0 | 0 | 0 | 20:30 - 20:45 | 0 | 0 | 0 | 0 |
| 04:45 - 05:00 | 0 | 0 | 0 | 0 | 12:45 - 13:00 | 0 | 1 | 0 | 0 | 20:45 - 21:00 | 0 | 0 | 0 | 0 |
| 05:00 - 05:15 | 0 | 0 | 0 | 0 | 13:00 - 13:15 | 0 | 0 | 0 | 0 | 21:00 - 21:15 | 0 | 0 | 0 | 0 |
| 05:15 - 05:30 | 0 | 0 | 0 | 0 | 13:15 - 13:30 | 0 | 0 | 0 | 0 | 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 05:30 - 05:45 | 0 | 0 | 0 | 0 | 13:30 - 13:45 | 0 | 0 | 0 | 0 | 21:30 - 21:45 | 0 | 0 | 0 | 0 |
| 05:45 - 06:00 | 0 | 0 | 0 | 0 | 13:45 - 14:00 | 0 | 0 | 0 | 0 | 21:45 - 22:00 | 0 | 0 | 0 | 0 |
| 06:00 - 06:15 | 1 | 1 | 0 | 0 | 14:00 - 14:15 | 0 | 0 | 0 | 0 | 22:00 - 22:15 | 0 | 0 | 0 | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 0 | 14:15 - 14:30 | 0 | 0 | 0 | 1 | 22:15 - 22:30 | 0 | 0 | 0 | 0 |
| 06:30 - 06:45 | 0 | 1 | 0 | 0 | 14:30 - 14:45 | 0 | 0 | 0 | 0 | 22:30 - 22:45 | 0 | 0 | 0 | 0 |
| 06:45 - 07:00 | 0 | 0 | 0 | 0 | 14:45 - 15:00 | 0 | 0 | 0 | 0 | 22:45 - 23:00 | 0 | 0 | 0 | 0 |
| 07:00 - 07:15 | 0 | 0 | 0 | 0 | 15:00 - 15:15 | 0 | 0 | 0 | 0 | 23:00 - 23:15 | 0 | 0 | 0 | 0 |
| 07:15 - 07:30 | 0 | 0 | 0 | 0 | 15:15 - 15:30 | 0 | 0 | 0 | 0 | 23:15 - 23:30 | 0 | 0 | 0 | 0 |
| 07:30 - 07:45 | 0 | 0 | 0 | 0 | 15:30 - 15:45 | 0 | 1 | 0 | 0 | 23:30 - 23:45 | 0 | 0 | 0 | 0 |
| 07:45 - 08:00 | 1 | 1 | 0 | 0 | 15:45 - 16:00 | 0 | 0 | 0 | 0 | 23:45 - 24:00 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | TOTAL | 6 | 11 | 4 | 9 |
| | | | | | | | | | | Difference | -5 | | -5 | |
| | | | | | | | | | | % Error | -45% | | -56% | |

## PEDESTRIAN COUNTS

## PEDESTRIAN DATA

| TIME | Weekday (11/21/2013) SOUTH | Weekday (11/21/2013) NORTH | Weekend (11/23/2013) SOUTH | Weekend (11/23/2013) NORTH |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 2 | 0 | 0 |
| 00:15 - 00:30 | 0 | 1 | 0 | |
| 00:30 - 00:45 | 1 | 0 | 0 | |
| 00:45 - 01:00 | 0 | 0 | 0 | |
| 01:00 - 01:15 | 0 | 0 | 0 | 3 |
| 01:15 - 01:30 | 0 | 0 | 0 | |
| 01:30 - 01:45 | 0 | 0 | 0 | |
| 01:45 - 02:00 | 0 | 0 | 1 | |
| 02:00 - 02:15 | 0 | 2 | 0 | 1 |
| 02:15 - 02:30 | 0 | 0 | 1 | |
| 02:30 - 02:45 | 0 | 1 | 0 | |
| 02:45 - 03:00 | 2 | 0 | 0 | |
| 03:00 - 03:15 | 0 | 0 | 0 | 2 |
| 03:15 - 03:30 | 0 | 0 | 0 | |
| 03:30 - 03:45 | 0 | 0 | 0 | |
| 03:45 - 04:00 | 2 | 0 | 0 | |
| 04:00 - 04:15 | 0 | 1 | 0 | 1 |
| 04:15 - 04:30 | 0 | 0 | 0 | |
| 04:30 - 04:45 | 0 | 0 | 0 | |
| 04:45 - 05:00 | 0 | 0 | 0 | |
| 05:00 - 05:15 | 0 | 2 | 0 | 3 |
| 05:15 - 05:30 | 0 | 0 | 0 | |
| 05:30 - 05:45 | 0 | 0 | 0 | |
| 05:45 - 06:00 | 0 | 0 | 0 | |
| 06:00 - 06:15 | 0 | 0 | 0 | 2 |
| 06:15 - 06:30 | 0 | 2 | 0 | |
| 06:30 - 06:45 | 0 | 0 | 0 | |
| 06:45 - 07:00 | 1 | 0 | 0 | |
| 07:00 - 07:15 | 0 | 0 | 1 | 3 |
| 07:15 - 07:30 | 0 | 0 | 1 | |
| 07:30 - 07:45 | 0 | 3 | 0 | |
| 07:45 - 08:00 | 2 | 0 | 1 | |

| TIME | Weekday (11/21/2013) SOUTH | Weekday (11/21/2013) NORTH | Weekend (11/23/2013) SOUTH | Weekend (11/23/2013) NORTH |
|---|---|---|---|---|
| 08:00 - 08:15 | 1 | 1 | 0 | 6 |
| 08:15 - 08:30 | 0 | 1 | 0 | |
| 08:30 - 08:45 | 0 | 0 | 0 | |
| 08:45 - 09:00 | 0 | 1 | 0 | |
| 09:00 - 09:15 | 1 | 1 | 1 | 1 |
| 09:15 - 09:30 | 2 | 0 | 0 | |
| 09:30 - 09:45 | 0 | 1 | 0 | |
| 09:45 - 10:00 | 0 | 0 | 1 | |
| 10:00 - 10:15 | 2 | 4 | 4 | 3 |
| 10:15 - 10:30 | 2 | 1 | 0 | |
| 10:30 - 10:45 | 0 | 1 | 0 | |
| 10:45 - 11:00 | 1 | 4 | 1 | |
| 11:00 - 11:15 | 0 | 0 | 0 | 2 |
| 11:15 - 11:30 | 1 | 2 | 0 | |
| 11:30 - 11:45 | 0 | 0 | 0 | |
| 11:45 - 12:00 | 0 | 1 | 1 | |
| 12:00 - 12:15 | 0 | 3 | 0 | 3 |
| 12:15 - 12:30 | 1 | 0 | 0 | |
| 12:30 - 12:45 | 2 | 1 | 0 | |
| 12:45 - 13:00 | 1 | 0 | 0 | |
| 13:00 - 13:15 | 0 | 2 | 0 | 9 |
| 13:15 - 13:30 | 1 | 0 | 0 | |
| 13:30 - 13:45 | 1 | 1 | 0 | |
| 13:45 - 14:00 | 2 | 0 | 0 | |
| 14:00 - 14:15 | 1 | 0 | 0 | 1 |
| 14:15 - 14:30 | 0 | 0 | 0 | |
| 14:30 - 14:45 | 0 | 0 | 0 | |
| 14:45 - 15:00 | 0 | 0 | 0 | |
| 15:00 - 15:15 | 0 | 0 | 1 | 3 |
| 15:15 - 15:30 | 0 | 3 | 1 | |
| 15:30 - 15:45 | 0 | 0 | 0 | |
| 15:45 - 16:00 | 1 | 1 | 0 | |

| TIME | Weekday (11/21/2013) SOUTH | Weekday (11/21/2013) NORTH | Weekend (11/23/2013) SOUTH | Weekend (11/23/2013) NORTH |
|---|---|---|---|---|
| 16:00 - 16:15 | 0 | 6 | 0 | 2 |
| 16:15 - 16:30 | 1 | 6 | 0 | |
| 16:30 - 16:45 | 0 | 2 | 3 | |
| 16:45 - 17:00 | 2 | 1 | 0 | |
| 17:00 - 17:15 | 0 | 2 | 0 | 3 |
| 17:15 - 17:30 | 1 | 0 | 0 | |
| 17:30 - 17:45 | 1 | 0 | 0 | |
| 17:45 - 18:00 | 1 | 3 | 0 | |
| 18:00 - 18:15 | 0 | 14 | 1 | 3 |
| 18:15 - 18:30 | 2 | 1 | 1 | |
| 18:30 - 18:45 | 1 | 1 | 0 | |
| 18:45 - 19:00 | 0 | 0 | 0 | |
| 19:00 - 19:15 | 0 | 3 | 1 | 1 |
| 19:15 - 19:30 | 0 | 0 | 0 | |
| 19:30 - 19:45 | 0 | 0 | 0 | |
| 19:45 - 20:00 | 3 | 1 | 1 | |
| 20:00 - 20:15 | 0 | 1 | 0 | 3 |
| 20:15 - 20:30 | 0 | 0 | 0 | |
| 20:30 - 20:45 | 0 | 0 | 0 | |
| 20:45 - 21:00 | 0 | 2 | 0 | |
| 21:00 - 21:15 | 0 | 0 | 1 | 3 |
| 21:15 - 21:30 | 0 | 0 | 0 | |
| 21:30 - 21:45 | 0 | 0 | 0 | |
| 21:45 - 22:00 | 0 | 0 | 1 | |
| 22:00 - 22:15 | 0 | 0 | 0 | 2 |
| 22:15 - 22:30 | 0 | 0 | 1 | |
| 22:30 - 22:45 | 1 | 2 | 0 | |
| 22:45 - 23:00 | 0 | 0 | 0 | |
| 23:00 - 23:15 | 0 | 0 | 0 | 3 |
| 23:15 - 23:30 | 1 | 0 | 0 | |
| 23:30 - 23:45 | 1 | 0 | 0 | |
| 23:45 - 24:00 | 0 | 0 | 0 | |
| **TOTAL** | **43** | **88** | **34** | **60** |

Estimated counts using correction factor

**RTC**  **CA Group, Inc** — CAVIOLA ANSON

## ERROR RATE CALCULATION FOR PEDESTRIANS

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 00:00 - 00:15 | 0 | 0 | | 2 |
| 00:15 - 00:30 | 0 | 0 | 5 | 1 |
| 00:30 - 00:45 | 0 | 1 | | 0 |
| 00:45 - 01:00 | 0 | 0 | | 0 |
| 01:00 - 01:15 | 0 | 0 | | 0 |
| 01:15 - 01:30 | 0 | 0 | 5 | 0 |
| 01:30 - 01:45 | 0 | 0 | | 0 |
| 01:45 - 02:00 | 0 | 0 | | 0 |
| 02:00 - 02:15 | 0 | 0 | | 2 |
| 02:15 - 02:30 | 0 | 0 | 1 | 0 |
| 02:30 - 02:45 | 0 | 0 | | 1 |
| 02:45 - 03:00 | 0 | 2 | | 0 |
| 03:00 - 03:15 | 0 | 0 | | 0 |
| 03:15 - 03:30 | 0 | 0 | 0 | 0 |
| 03:30 - 03:45 | 0 | 0 | | 0 |
| 03:45 - 04:00 | 0 | 2 | | 0 |
| 04:00 - 04:15 | 0 | 0 | | 1 |
| 04:15 - 04:30 | 0 | 0 | 2 | 0 |
| 04:30 - 04:45 | 0 | 0 | | 0 |
| 04:45 - 05:00 | 0 | 0 | | 0 |
| 05:00 - 05:15 | 0 | 0 | | 2 |
| 05:15 - 05:30 | 0 | 0 | 3 | 0 |
| 05:30 - 05:45 | 0 | 0 | | 0 |
| 05:45 - 06:00 | 0 | 0 | | 0 |
| 06:00 - 06:15 | 0 | 0 | | 0 |
| 06:15 - 06:30 | 0 | 0 | 0 | 2 |
| 06:30 - 06:45 | 0 | 0 | | 0 |
| 06:45 - 07:00 | 1 | 1 | | 0 |
| 07:00 - 07:15 | 0 | 0 | | 0 |
| 07:15 - 07:30 | 0 | 0 | 3 | 0 |
| 07:30 - 07:45 | 0 | 0 | | 3 |
| 07:45 - 08:00 | 0 | 2 | | 0 |

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 08:00 - 08:15 | 2 | 1 | | 1 |
| 08:15 - 08:30 | 0 | 0 | 2 | 1 |
| 08:30 - 08:45 | 0 | 0 | | 0 |
| 08:45 - 09:00 | 1 | 0 | | 1 |
| 09:00 - 09:15 | 4 | 1 | | 1 |
| 09:15 - 09:30 | 3 | 2 | 2 | 0 |
| 09:30 - 09:45 | 0 | 0 | | 1 |
| 09:45 - 10:00 | 0 | 0 | | 0 |
| 10:00 - 10:15 | 2 | 2 | | 4 |
| 10:15 - 10:30 | 1 | 2 | 5 | 1 |
| 10:30 - 10:45 | 0 | 0 | | 1 |
| 10:45 - 11:00 | 1 | 1 | | 4 |
| 11:00 - 11:15 | 0 | 0 | | 0 |
| 11:15 - 11:30 | 0 | 1 | 5 | 2 |
| 11:30 - 11:45 | 0 | 0 | | 0 |
| 11:45 - 12:00 | 0 | 0 | | 1 |
| 12:00 - 12:15 | 0 | 0 | | 3 |
| 12:15 - 12:30 | 1 | 1 | 4 | 0 |
| 12:30 - 12:45 | 3 | 2 | | 1 |
| 12:45 - 13:00 | 1 | 1 | | 0 |
| 13:00 - 13:15 | 0 | 0 | | 2 |
| 13:15 - 13:30 | 0 | 1 | 9 | 0 |
| 13:30 - 13:45 | 0 | 1 | | 1 |
| 13:45 - 14:00 | 0 | 2 | | 0 |
| 14:00 - 14:15 | 1 | 1 | | 0 |
| 14:15 - 14:30 | 2 | 0 | 6 | 0 |
| 14:30 - 14:45 | 0 | 0 | | 0 |
| 14:45 - 15:00 | 0 | 0 | | 0 |
| 15:00 - 15:15 | 0 | 0 | | 0 |
| 15:15 - 15:30 | 0 | 0 | 5 | 3 |
| 15:30 - 15:45 | 0 | 0 | | 0 |
| 15:45 - 16:00 | 0 | 1 | | 1 |

| TIME | Ped Counter | Video Camera | Ped Counter | Video Camera |
|---|---|---|---|---|
| 16:00 - 16:15 | 0 | 0 | | 6 |
| 16:15 - 16:30 | 1 | 1 | 8 | 6 |
| 16:30 - 16:45 | 1 | 0 | | 2 |
| 16:45 - 17:00 | 1 | 2 | | 1 |
| 17:00 - 17:15 | 0 | 0 | | 2 |
| 17:15 - 17:30 | 0 | 1 | 10 | 0 |
| 17:30 - 17:45 | 1 | 1 | | 0 |
| 17:45 - 18:00 | 0 | 1 | | 3 |
| 18:00 - 18:15 | 0 | 0 | | 14 |
| 18:15 - 18:30 | 0 | 2 | 16 | 1 |
| 18:30 - 18:45 | 0 | 1 | | 1 |
| 18:45 - 19:00 | 0 | 0 | | 0 |
| 19:00 - 19:15 | 0 | 0 | | 3 |
| 19:15 - 19:30 | 0 | 0 | 5 | 0 |
| 19:30 - 19:45 | 0 | 0 | | 0 |
| 19:45 - 20:00 | 0 | 3 | | 1 |
| 20:00 - 20:15 | 0 | 0 | | 1 |
| 20:15 - 20:30 | 0 | 0 | 4 | 0 |
| 20:30 - 20:45 | 0 | 0 | | 0 |
| 20:45 - 21:00 | 0 | 0 | | 2 |
| 21:00 - 21:15 | 0 | 0 | | 0 |
| 21:15 - 21:30 | 0 | 0 | 0 | 0 |
| 21:30 - 21:45 | 0 | 0 | | 0 |
| 21:45 - 22:00 | 1 | 0 | | 0 |
| 22:00 - 22:15 | 0 | 0 | | 0 |
| 22:15 - 22:30 | 0 | 0 | 1 | 0 |
| 22:30 - 22:45 | 0 | 1 | | 2 |
| 22:45 - 23:00 | 0 | 0 | | 0 |
| 23:00 - 23:15 | 0 | 0 | | 0 |
| 23:15 - 23:30 | 0 | 1 | 0 | 0 |
| 23:30 - 23:45 | 1 | 1 | | 0 |
| 23:45 - 24:00 | 0 | 0 | | 0 |
| TOTAL | 29 | 43 | 101 | 88 |
| Difference | -14 | | 13 | |
| % Error | -33% | | 15% | |

BIKE ROUTE

# APPENDIX-C
# NBPD Forms

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                                  **Location**: Alexander and Simmons

**Date:** Thursday, September 26, 2013          **Start Time:** 5 PM          **End Time:** 7 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **East Bound** | **West Bound** | **SOUTH** | **NORTH** | |
| 00-:15 | 1 | 0 | 0 | 0 | |
| 15-:30 | 0 | 0 | 0 | 0 | |
| 30-:45 | 0 | 2 | 0 | 2 | |
| 45-1:00 | 0 | 0 | 0 | 0 | |
| 1:00-1:15 | 1 | 0 | 0 | 1 | |
| 1:15-1:30 | 0 | 0 | 0 | 0 | |
| 1:30-1:45 | 0 | 0 | 0 | 1 | |
| 1:45-2:00 | 0 | 0 | 0 | 0 | |
| *Total* | 2 | 2 | 0 | 4 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                 **Location**: Alexander and Simmons

**Date:** Saturday, September 28, 2013        **Start Time:** 12 PM        **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | **East Bound** | **West Bound** | **SOUTH** | **NORTH** |  |
| 00-:15 | 0 | 2 | 1 | 0 | |
| 15-:30 | 0 | 0 | 1 | 0 | |
| 30-:45 | 0 | 0 | 1 | 1 | |
| 45-1:00 | 0 | 0 | 0 | 0 | |
| 1:00-1:15 | 0 | 1 | 0 | 0 | |
| 1:15-1:30 | 0 | 0 | 0 | 0 | |
| 1:30-1:45 | 0 | 0 | 0 | 0 | |
| 1:45-2:00 | 0 | 0 | 0 | 0 | |
| *Total* | 0 | 3 | 3 | 1 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.            **Location**: Alta @ Essex

**Date:** Thursday, May 16, 2013        **Start Time:** 5 PM            **End Time:** 7 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|           | Bicycles | | Pedestrians | | Others |
|-----------|----------|----------|--------|--------|--------|
|           | **East Bound** | **West Bound** | **SOUTH** | **NORTH** | |
| 00-:15    | 1 | 0 | 0 | 0 | |
| 15-:30    | 0 | 1 | 0 | 0 | |
| 30-:45    | 1 | 0 | 1 | 1 | |
| 45-1:00   | 1 | 1 | 0 | 0 | |
| 1:00-1:15 | 0 | 1 | 0 | 0 | |
| 1:15-1:30 | 1 | 0 | 1 | 0 | |
| 1:30-1:45 | 1 | 0 | 1 | 0 | |
| 1:45-2:00 | 0 | 0 | 0 | 0 | |
| *Total*   | 5 | 3 | 3 | 1 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.          **Location**: Alta @ Essex

**Date:** Saturday, May 18, 2013        **Start Time:** 12 PM        **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **East Bound** | **West Bound** | **SOUTH** | **NORTH** | |
| **00-:15** | 0 | 0 | 1 | 0 | |
| **15-:30** | 1 | 0 | 0 | 0 | |
| **30-:45** | 1 | 0 | 0 | 0 | |
| **45-1:00** | 2 | 0 | 0 | 0 | |
| **1:00-1:15** | 2 | 0 | 0 | 2 | |
| **1:15-1:30** | 0 | 0 | 1 | 0 | |
| **1:30-1:45** | 0 | 0 | 0 | 0 | |
| **1:45-2:00** | 1 | 0 | 0 | 0 | |
| *Total* | 7 | 0 | 2 | 2 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Belmont and Lake Mead

**Date:** September 12, 2013               **Start Time:** 5 PM          **End Time:** 7 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **North Bound** | **South Bound** | **EAST** | **WEST** | |
| 00-:15 | 1 | 1 | 0 | 1 | |
| 15-:30 | 0 | 3 | 2 | 0 | |
| 30-:45 | 1 | 1 | 3 | 1 | |
| 45-1:00 | 0 | 0 | 0 | 0 | |
| 1:00-1:15 | 0 | 3 | 2 | 3 | |
| 1:15-1:30 | 0 | 0 | 0 | 0 | |
| 1:30-1:45 | 1 | 0 | 0 | 0 | |
| 1:45-2:00 | 0 | 1 | 2 | 1 | |
| *Total* | 3 | 9 | 9 | 6 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Belmont and Lake Mead

**Date:** September 14, 2013                 **Start Time:** NOON      **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **North Bound** | **South Bound** | **EAST** | **WEST** | |
| 00-:15 | 0 | 2 | 0 | 3 | |
| 15-:30 | 0 | 0 | 0 | 1 | |
| 30-:45 | 0 | 0 | 4 | 0 | |
| 45-1:00 | 0 | 0 | 2 | 0 | |
| 1:00-1:15 | 0 | 2 | 0 | 0 | |
| 1:15-1:30 | 0 | 0 | 0 | 0 | |
| 1:30-1:45 | 1 | 0 | 2 | 2 | |
| 1:45-2:00 | 2 | 0 | 1 | 1 | |
| *Total* | 3 | 4 | 9 | 7 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Bonneville and Casino

**Date:** April 17, 2013                    **Start Time:** 5 PM                    **End Time:** 7 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **East Bound** | **West Bound** | **SOUTH** | **NORTH** | |
| **00-:15** | 2 | 0 | 3 | 2 | |
| **15-:30** | 0 | 0 | 1 | 6 | |
| **30-:45** | 0 | 0 | 1 | 3 | |
| **45-1:00** | 0 | 0 | 0 | 0 | |
| **1:00-1:15** | 0 | 0 | 0 | 2 | |
| **1:15-1:30** | 0 | 0 | 0 | 6 | |
| **1:30-1:45** | 0 | 0 | 8 | 6 | |
| **1:45-2:00** | 1 | 0 | 1 | 2 | |
| *Total* | 3 | 0 | 14 | 27 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.  **Location**: Bonneville and Casino

**Date:** April 20, 2013  **Start Time:** NOON  **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | East Bound | West Bound | SOUTH | NORTH |  |
| 00-:15 | 0 | 0 | 6 | 2 |  |
| 15-:30 | 1 | 0 | 2 | 6 |  |
| 30-:45 | 0 | 0 | 0 | 6 |  |
| 45-1:00 | 0 | 0 | 3 | 2 |  |
| 1:00-1:15 | 0 | 0 | 1 | 3 |  |
| 1:15-1:30 | 0 | 1 | 3 | 6 |  |
| 1:30-1:45 | 1 | 0 | 3 | 3 |  |
| 1:45-2:00 | 0 | 0 | 1 | 2 |  |
| Total | 2 | 1 | 19 | 30 |  |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Clayton and Lone Mountain

**Date:** October 10, 2013                    **Start Time:** 5 PM        **End Time:** 7 PM

**Weather:** Cloudy, Overcast

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **North Bound** | **South Bound** | **EAST** | **WEST** | |
| **00-:15** | 0 | | 0 | | |
| **15-:30** | 0 | | 1 | | |
| **30-:45** | 0 | | 0 | | |
| **45-1:00** | 0 | | 0 | | |
| **1:00-1:15** | 0 | | 0 | | |
| **1:15-1:30** | 0 | | 1 | | |
| **1:30-1:45** | 1 | | 0 | | |
| **1:45-2:00** | 0 | | 1 | | |
| *Total* | 1 | | 3 | | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.          **Location**: Clayton and Lone Mountain

**Date:** October 12, 2013          **Start Time:** NOON      **End Time:** 2 PM

**Weather:** Cloudy

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **North Bound** | **South Bound** | **EAST** | **WEST** | |
| **00-:15** | 0 | | 0 | | |
| **15-:30** | 0 | | 0 | | |
| **30-:45** | 0 | | 0 | | |
| **45-1:00** | 0 | | 0 | | |
| **1:00-1:15** | 0 | | 0 | | |
| **1:15-1:30** | 1 | | 0 | | |
| **1:30-1:45** | 0 | | 0 | | |
| **1:45-2:00** | 0 | | 0 | | |
| *Total* | 1 | | 0 | | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Eastern and Horizon Ridge

**Date:** April 4, 2014          **Start Time:** 5 PM          **End Time:** 7 PM

**Weather:** Cloudy

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **North Bound** | **South Bound** | **EAST** | **WEST** | |
| **00-:15** | 0 | 0 | 4 | 0 | |
| **15-:30** | 1 | 0 | 0 | 1 | |
| **30-:45** | 1 | 0 | 1 | 3 | |
| **45-1:00** | 0 | 0 | 1 | 0 | |
| **1:00-1:15** | 0 | 0 | 6 | 0 | |
| **1:15-1:30** | 1 | 0 | 3 | 0 | |
| **1:30-1:45** | 0 | 1 | 4 | 1 | |
| **1:45-2:00** | 0 | 0 | 3 | 2 | |
| *Total* | 3 | 1 | 22 | 7 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Eastern and Horizon Ridge

**Date:** April 5, 2014          **Start Time:** 12 PM          **End Time:** 2 PM

**Weather:** Sunny, Clear Sky

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **North Bound** | **South Bound** | **EAST** | **WEST** | |
| **00-:15** | 0 | 0 | 5 | 3 | |
| **15-:30** | 0 | 0 | 0 | 0 | |
| **30-:45** | 2 | 0 | 2 | 0 | |
| **45-1:00** | 0 | 0 | 0 | 2 | |
| **1:00-1:15** | 1 | 0 | 1 | 1 | |
| **1:15-1:30** | 0 | 0 | 6 | 0 | |
| **1:30-1:45** | 2 | 0 | 5 | 1 | |
| **1:45-2:00** | 0 | 1 | 0 | 3 | |
| *Total* | 5 | 1 | 19 | 10 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Eastern and Serene

**Date:** February 20, 2014                 **Start Time:** 5 PM        **End Time:** 7 PM

**Weather:** Cloudy

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **North Bound** | **South Bound** | **EAST** | **WEST** | |
| **00-:15** | 0 | 1 | 1 | 6 | |
| **15-:30** | 0 | 1 | 0 | 0 | |
| **30-:45** | 0 | 0 | 1 | 2 | |
| **45-1:00** | 0 | 0 | 1 | 2 | |
| **1:00-1:15** | 0 | 0 | 0 | 0 | |
| **1:15-1:30** | 0 | 1 | 1 | 3 | |
| **1:30-1:45** | 0 | 0 | 0 | 0 | |
| **1:45-2:00** | 0 | 0 | 0 | 1 | |
| *Total* | 0 | 3 | 4 | 14 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Eastern and Serene

**Date:** February 22, 2014                 **Start Time:** NOON        **End Time:** 2 PM

**Weather:** Cloudy

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **North Bound** | **South Bound** | **EAST** | **WEST** | |
| **00-:15** | 3 | 1 | 4 | 3 | |
| **15-:30** | 0 | 0 | 3 | 1 | |
| **30-:45** | 0 | 0 | 3 | 0 | |
| **45-1:00** | 0 | 0 | 3 | 0 | |
| **1:00-1:15** | 0 | 0 | 2 | 3 | |
| **1:15-1:30** | 0 | 0 | 0 | 3 | |
| **1:30-1:45** | 0 | 0 | 1 | 2 | |
| **1:45-2:00** | 1 | 0 | 2 | 0 | |
| *Total* | 4 | 1 | 18 | 12 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Eastern and Windmill

**Date:** March 12, 2014          **Start Time:** 5 PM          **End Time:** 7 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | **North Bound** | **South Bound** | **EAST** | **WEST** |  |
| **00-:15** | 0 | 0 | 1 | 1 | |
| **15-:30** | 0 | 0 | 1 | 1 | |
| **30-:45** | 0 | 0 | 1 | 0 | |
| **45-1:00** | 0 | 0 | 0 | 0 | |
| **1:00-1:15** | 0 | 0 | 0 | 0 | |
| **1:15-1:30** | 0 | 0 | 0 | 0 | |
| **1:30-1:45** | 0 | 0 | 1 | 0 | |
| **1:45-2:00** | 0 | 0 | 0 | 0 | |
| *Total* | 0 | 0 | 4 | 2 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Eastern and Windmill

**Date:** March 15, 2014          **Start Time:** NOON          **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | North Bound | South Bound | North Bound | South Bound |  |
| 00-:15 | 1 | 0 | 3 | 0 |  |
| 15-:30 | 0 | 0 | 0 | 1 |  |
| 30-:45 | 1 | 0 | 1 | 0 |  |
| 45-1:00 | 0 | 1 | 0 | 1 |  |
| 1:00-1:15 | 0 | 0 | 5 | 1 |  |
| 1:15-1:30 | 0 | 1 | 0 | 0 |  |
| 1:30-1:45 | 1 | 0 | 2 | 0 |  |
| 1:45-2:00 | 0 | 0 | 2 | 0 |  |
| *Total* | 3 | 2 | 13 | 3 |  |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Gowan and Englestad

**Date:** September 5, 2013          **Start Time:** 5 PM          **End Time:** 7 PM

**Weather:** Sunny, with Isolated Cloud Coverage

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **East Bound** | **West Bound** | **SOUTH** | **NORTH** | |
| **00-:15** | 0 | 0 | 0 | 0 | |
| **15-:30** | 0 | 0 | 2 | 1 | |
| **30-:45** | 0 | 0 | 0 | 1 | |
| **45-1:00** | 0 | 0 | 0 | 0 | |
| **1:00-1:15** | 0 | 0 | 0 | 0 | |
| **1:15-1:30** | 0 | 0 | 0 | 0 | |
| **1:30-1:45** | 0 | 0 | 2 | 0 | |
| **1:45-2:00** | 0 | 2 | 0 | 0 | |
| *Total* | 0 | 2 | 4 | 2 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.          **Location**: Gowan and Englestad

**Date:** September 7, 2013          **Start Time:** NOON          **End Time:** 2 PM

**Weather:** Sunny, with Isolated Cloud Coverage

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **East Bound** | **West Bound** | **SOUTH** | **NORTH** | |
| **00-:15** | 0 | 0 | 2 | 0 | |
| **15-:30** | 0 | 0 | 0 | 2 | |
| **30-:45** | 0 | 0 | 0 | 0 | |
| **45-1:00** | 0 | 0 | 0 | 0 | |
| **1:00-1:15** | 0 | 0 | 0 | 0 | |
| **1:15-1:30** | 0 | 0 | 0 | 0 | |
| **1:30-1:45** | 0 | 0 | 0 | 0 | |
| **1:45-2:00** | 0 | 0 | 2 | 2 | |
| *Total* | 0 | 0 | 4 | 4 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Harmon and Maryland

**Date:** May 23, 2013          **Start Time:** 5 PM          **End Time:** 7 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | **East Bound** | **West Bound** | **SOUTH** | **NORTH** | |
| **00-:15** | 0 | 0 | 4 | 3 | |
| **15-:30** | 0 | 0 | 4 | 4 | |
| **30-:45** | 2 | 2 | 7 | 1 | |
| **45-1:00** | 1 | 0 | 4 | 2 | |
| **1:00-1:15** | 0 | 3 | 2 | 0 | |
| **1:15-1:30** | 0 | 0 | 6 | 2 | |
| **1:30-1:45** | 2 | 1 | 2 | 3 | |
| **1:45-2:00** | 2 | 0 | 5 | 0 | |
| *Total* | 7 | 6 | 34 | 15 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Harmon and Maryland

**Date:** May 25, 2013                    **Start Time: NOON**      **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | East Bound | West Bound | SOUTH | NORTH | |
| 00-:15 | 1 | 0 | 2 | 4 | |
| 15-:30 | 0 | 0 | 0 | 3 | |
| 30-:45 | 0 | 0 | 4 | 2 | |
| 45-1:00 | 0 | 1 | 2 | 2 | |
| 1:00-1:15 | 0 | 0 | 3 | 0 | |
| 1:15-1:30 | 0 | 0 | 2 | 3 | |
| 1:30-1:45 | 0 | 0 | 3 | 3 | |
| 1:45-2:00 | 0 | 0 | 2 | 4 | |
| *Total* | 1 | 1 | 18 | 21 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Hoover and Casino

**Date:** April 10, 2013                    **Start Time:** 5 PM          **End Time:** 7 PM

**Weather:** Partly Cloudy

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **East Bound** | **West Bound** | **SOUTH** | **NORTH** | |
| **00-:15** | 0 | 0 | 3 | 1 | |
| **15-:30** | 1 | 0 | 5 | 6 | |
| **30-:45** | 0 | 1 | 5 | 6 | |
| **45-1:00** | 0 | 1 | 5 | 7 | |
| **1:00-1:15** | 1 | 0 | 0 | 2 | |
| **1:15-1:30** | 0 | 0 | 0 | 3 | |
| **1:30-1:45** | 0 | 0 | 1 | 4 | |
| **1:45-2:00** | 1 | 1 | 2 | 7 | |
| *Total* | 3 | 3 | 21 | 36 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.         **Location**: Hoover and Casino

**Date:** April 13, 2013         **Start Time: NOON**     **End Time:** 2 PM

**Weather:** Partly Cloudy

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | East Bound | West Bound | SOUTH | NORTH |  |
| 00-:15 | 0 | 0 | 2 | 2 |  |
| 15-:30 | 0 | 1 | 2 | 1 |  |
| 30-:45 | 0 | 0 | 0 | 4 |  |
| 45-1:00 | 0 | 0 | 1 | 5 |  |
| 1:00-1:15 | 0 | 0 | 2 | 2 |  |
| 1:15-1:30 | 3 | 0 | 4 | 2 |  |
| 1:30-1:45 | 1 | 1 | 6 | 8 |  |
| 1:45-2:00 | 0 | 2 | 7 | 2 |  |
| *Total* | 4 | 4 | 24 | 26 |  |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Horizon Ridge and Stephanie

**Date:** May 2, 2013                    **Start Time:** 5 PM                    **End Time:** 7 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | East Bound | West Bound | SOUTH | NORTH |  |
| 00-:15 | 0 | 4 | 0 | 0 |  |
| 15-:30 | 1 | 0 | 0 | 0 |  |
| 30-:45 | 1 | 0 | 0 | 0 |  |
| 45-1:00 | 0 | 0 | 0 | 2 |  |
| 1:00-1:15 | 0 | 0 | 1 | 3 |  |
| 1:15-1:30 | 0 | 2 | 2 | 5 |  |
| 1:30-1:45 | 1 | 4 | 1 | 3 |  |
| 1:45-2:00 | 0 | 0 | 1 | 2 |  |
| *Total* | 3 | 10 | 10 | 15 |  |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Horizon Ridge and Stephanie

**Date:** May 4, 2013                    **Start Time:** NOON          **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | East Bound | West Bound | SOUTH | NORTH | |
| 00-:15 | 3 | 0 | 1 | 5 | |
| 15-:30 | 1 | 0 | 0 | 2 | |
| 30-:45 | 1 | 2 | 0 | 1 | |
| 45-1:00 | 0 | 2 | 1 | 3 | |
| 1:00-1:15 | 1 | 0 | 0 | 4 | |
| 1:15-1:30 | 0 | 0 | 0 | 2 | |
| 1:30-1:45 | 0 | 0 | 0 | 3 | |
| 1:45-2:00 | 1 | 0 | 0 | 4 | |
| *Total* | 7 | 4 | 2 | 24 | |

National Bicycle and Pedestrian Documentation Project: Forms

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Lake Mead and Boulder

**Date:** January 23, 2014          **Start Time:** 5 PM          **End Time:** 7 PM

**Weather:** Cloudy

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | East Bound | West Bound | SOUTH | NORTH | |
| 00-:15 | 0 | 0 | 1 | 2 | |
| 15-:30 | 0 | 0 | 0 | 0 | |
| 30-:45 | 0 | 0 | 0 | 1 | |
| 45-1:00 | 1 | 0 | 1 | 1 | |
| 1:00-1:15 | 0 | 1 | 1 | 2 | |
| 1:15-1:30 | 1 | 0 | 0 | 0 | |
| 1:30-1:45 | 0 | 1 | 2 | 3 | |
| 1:45-2:00 | 0 | 1 | 0 | 2 | |
| *Total* | 2 | 3 | 5 | 11 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                          **Location**: Lake Mead and Boulder

**Date:** January 25, 2014                **Start Time:** NOON              **End Time:** 2 PM

**Weather:** Cloudy

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | **East Bound** | **West Bound** | **SOUTH** | **NORTH** |  |
| **00-:15** | 1 | 0 | 0 | 3 |  |
| **15-:30** | 0 | 1 | 0 | 11 |  |
| **30-:45** | 0 | 0 | 0 | 3 |  |
| **45-1:00** | 1 | 0 | 0 | 4 |  |
| **1:00-1:15** | 0 | 0 | 0 | 0 |  |
| **1:15-1:30** | 0 | 1 | 1 | 0 |  |
| **1:30-1:45** | 0 | 0 | 1 | 0 |  |
| **1:45-2:00** | 0 | 0 | 0 | 0 |  |
| *Total* | 2 | 2 | 2 | 21 |  |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Las Vegas and Charleston

**Date:** November 07, 2013                 **Start Time:** 5 PM        **End Time:** 7 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|            | Bicycles     |              | Pedestrians |       | Others |
|------------|--------------|--------------|-------------|-------|--------|
|            | North Bound  | South Bound  | EAST        | WEST  |        |
| 00-:15     | 1            | 0            | 13          | 23    |        |
| 15-:30     | 0            | 0            | 11          | 12    |        |
| 30-:45     | 1            | 0            | 20          | 8     |        |
| 45-1:00    | 1            | 1            | 10          | 11    |        |
| 1:00-1:15  | 1            | 0            | 6           | 10    |        |
| 1:15-1:30  | 1            | 0            | 9           | 7     |        |
| 1:30-1:45  | 2            | 0            | 9           | 7     |        |
| 1:45-2:00  | 3            | 0            | 7           | 8     |        |
| *Total*    | 10           | 1            | 85          | 86    |        |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Las Vegas and Charleston

**Date:** November 09, 2013                    **Start Time:** NOON        **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | **North Bound** | **South Bound** | **EAST** | **WEST** |  |
| 00-:15 | 1 | 1 | 26 | 2 |  |
| 15-:30 | 0 | 0 | 16 | 9 |  |
| 30-:45 | 1 | 0 | 11 | 31 |  |
| 45-1:00 | 3 | 3 | 21 | 7 |  |
| 1:00-1:15 | 0 | 0 | 23 | 9 |  |
| 1:15-1:30 | 2 | 0 | 9 | 3 |  |
| 1:30-1:45 | 1 | 0 | 13 | 7 |  |
| 1:45-2:00 | 1 | 0 | 11 | 11 |  |
| *Total* | 9 | 4 | 130 | 79 |  |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Las Vegas and Civic Center

**Date:** May 9, 2013                    **Start Time:** 5 PM          **End Time:** 7 PM

**Weather:** Cloudy

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **North Bound** | **South Bound** | **EAST** | **WEST** | |
| **00-:15** | 0 | 0 | 4 | 1 | |
| **15-:30** | 1 | 0 | 0 | 0 | |
| **30-:45** | 0 | 0 | 4 | 1 | |
| **45-1:00** | 1 | 0 | 2 | 0 | |
| **1:00-1:15** | 0 | 1 | 7 | 1 | |
| **1:15-1:30** | 0 | 0 | 4 | 1 | |
| **1:30-1:45** | 0 | 1 | 4 | 6 | |
| **1:45-2:00** | 0 | 1 | 1 | 0 | |
| *Total* | 2 | 3 | 26 | 10 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Las Vegas and Civic Center

**Date:** May 11, 2013                    **Start Time:** NOON        **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **North Bound** | **South Bound** | **EAST** | **WEST** | |
| 00-:15 | 2 | 0 | 2 | 5 | |
| 15-:30 | - | - | - | - | |
| 30-:45 | 0 | 0 | 2 | 2 | |
| 45-1:00 | 1 | 0 | 1 | 2 | |
| 1:00-1:15 | 2 | 1 | 7 | 1 | |
| 1:15-1:30 | 0 | 0 | 5 | 6 | |
| 1:30-1:45 | 1 | 0 | 1 | 0 | |
| 1:45-2:00 | 1 | 0 | 3 | 5 | |
| *Total* | 7 | 1 | 21 | 21 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Main and Imperial

**Date:** November 20, 2013                 **Start Time:** 5 PM          **End Time:** 7 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | North Bound | South Bound | EAST | WEST | |
| 00-:15 | 0 | 0 | 2 | 1 | |
| 15-:30 | 0 | 1 | 0 | 3 | |
| 30-:45 | 0 | 0 | 3 | 0 | |
| 45-1:00 | 0 | 0 | 1 | 3 | |
| 1:00-1:15 | 0 | 3 | 3 | 3 | |
| 1:15-1:30 | 1 | 1 | 4 | 0 | |
| 1:30-1:45 | 0 | 2 | 1 | 2 | |
| 1:45-2:00 | 0 | 0 | 0 | 3 | |
| *Total* | 1 | 7 | 14 | 15 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Main and Imperial

**Date:** November 22, 2013                 **Start Time:** NOON        **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | **North Bound** | **South Bound** | **EAST** | **WEST** |  |
| **00-:15** | 0 | 0 | 2 | 4 |  |
| **15-:30** | 0 | 0 | 7 | 5 |  |
| **30-:45** | 1 | 0 | 2 | 4 |  |
| **45-1:00** | 0 | 0 | 3 | 6 |  |
| **1:00-1:15** | 0 | 0 | 2 | 8 |  |
| **1:15-1:30** | 3 | 0 | 2 | 0 |  |
| **1:30-1:45** | 0 | 0 | 1 | 0 |  |
| **1:45-2:00** | 0 | 0 | 0 | 2 |  |
| *Total* | 4 | 0 | 19 | 29 |  |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.           **Location**: Maryland and Sahara

**Date:** May 30, 2013           **Start Time:** 5 PM      **End Time:** 7 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **North Bound** | **South Bound** | **EAST** | **WEST** | |
| 00-:15 | 0 | 0 | 0 | 8 | |
| 15-:30 | 0 | 1 | 4 | 1 | |
| 30-:45 | 0 | 2 | 6 | 7 | |
| 45-1:00 | 0 | 3 | 3 | 6 | |
| 1:00-1:15 | 1 | 1 | 3 | 3 | |
| 1:15-1:30 | 1 | 0 | 4 | 1 | |
| 1:30-1:45 | 0 | 0 | 2 | 3 | |
| 1:45-2:00 | 0 | 1 | 1 | 3 | |
| *Total* | 2 | 8 | 23 | 24 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.          **Location**: Maryland and Sahara

**Date:** June 01, 2013          **Start Time:** NOON          **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | **North Bound** | **South Bound** | **EAST** | **WEST** |  |
| 00-:15 | 0 | 0 | 3 | 6 |  |
| 15-:30 | 1 | 0 | 1 | 11 |  |
| 30-:45 | 0 | 0 | 4 | 5 |  |
| 45-1:00 | 1 | 0 | 2 | 6 |  |
| 1:00-1:15 | 1 | 1 | 0 | 10 |  |
| 1:15-1:30 | 0 | 0 | 3 | 2 |  |
| 1:30-1:45 | 0 | 0 | 2 | 14 |  |
| 1:45-2:00 | 0 | 2 | 0 | 3 |  |
| *Total* | 3 | 3 | 15 | 57 |  |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Pecos and Wigwam

**Date:** February 6, 2014                    **Start Time:** 5 PM        **End Time:** 7 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **North Bound** | **South Bound** | **EAST** | **WEST** | |
| **00-:15** | 0 | 0 | 0 | 0 | |
| **15-:30** | 0 | 0 | 0 | 0 | |
| **30-:45** | 0 | 0 | 0 | 0 | |
| **45-1:00** | 0 | 0 | 0 | 0 | |
| **1:00-1:15** | 0 | 0 | 0 | 0 | |
| **1:15-1:30** | 0 | 0 | 0 | 0 | |
| **1:30-1:45** | 0 | 0 | 1 | 0 | |
| **1:45-2:00** | 0 | 0 | 1 | 0 | |
| *Total* | 0 | 0 | 2 | 0 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Pecos and Wigwam

**Date:** February 8, 2014                  **Start Time:** NOON          **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | **North Bound** | **South Bound** | **EAST** | **WEST** | |
| **00-:15** | 0 | 0 | 0 | 0 | |
| **15-:30** | 0 | 0 | 0 | 0 | |
| **30-:45** | 0 | 0 | 0 | 0 | |
| **45-1:00** | 0 | 0 | 0 | 0 | |
| **1:00-1:15** | 0 | 0 | 0 | 0 | |
| **1:15-1:30** | 0 | 0 | 0 | 0 | |
| **1:30-1:45** | 0 | 0 | 0 | 0 | |
| **1:45-2:00** | 0 | 0 | 0 | 0 | |
| *Total* | 0 | 0 | 0 | 0 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                     **Location**: Silverado and Maryland

**Date:** December 12, 2013              **Start Time:** 5 PM        **End Time:** 7 PM

**Weather:** Sunny, Clear

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | East Bound | West Bound | SOUTH | NORTH | |
| 00-:15 | 0 | 0 | 0 | 0 | |
| 15-:30 | 0 | 0 | 3 | 0 | |
| 30-:45 | 0 | 0 | 5 | 0 | |
| 45-1:00 | 0 | 0 | 1 | 0 | |
| 1:00-1:15 | 0 | 0 | 0 | 0 | |
| 1:15-1:30 | 0 | 0 | 1 | 0 | |
| 1:30-1:45 | 0 | 0 | 0 | 0 | |
| 1:45-2:00 | 0 | 0 | 0 | 1 | |
| *Total* | 0 | 0 | 10 | 1 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Silverado and Maryland

**Date:** January 11, 2014                    **Start Time:** NOON     **End Time:** 2 PM

**Weather:** Sunny, Clear

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **East Bound** | **West Bound** | **SOUTH** | **NORTH** | |
| **00-:15** | 0 | 0 | 0 | 1 | |
| **15-:30** | 1 | 1 | 0 | 3 | |
| **30-:45** | 0 | 2 | 0 | 2 | |
| **45-1:00** | 0 | 0 | 1 | 2 | |
| **1:00-1:15** | 0 | 1 | 0 | 1 | |
| **1:15-1:30** | 0 | 0 | 3 | 1 | |
| **1:30-1:45** | 0 | 1 | 1 | 1 | |
| **1:45-2:00** | 1 | 1 | 2 | 3 | |
| *Total* | 2 | 6 | 7 | 14 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: St. Rose and Las Vegas

**Date:** January 30, 2014                    **Start Time:** 5 PM        **End Time:** 7 PM

**Weather:** Cloudy, Overcast

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | East Bound | West Bound | SOUTH | NORTH | |
| 00-:15 | 0 | 2 | 1 | 0 | |
| 15-:30 | 0 | 4 | 1 | 0 | |
| 30-:45 | 0 | 0 | 1 | 0 | |
| 45-1:00 | 0 | 0 | 1 | 0 | |
| 1:00-1:15 | 0 | 0 | 0 | 0 | |
| 1:15-1:30 | 0 | 0 | 1 | 0 | |
| 1:30-1:45 | 0 | 2 | 1 | 0 | |
| 1:45-2:00 | 1 | 0 | 0 | 0 | |
| *Total* | 1 | 8 | 6 | 0 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.          **Location**: St. Rose and Las Vegas

**Date:** February 1, 2014          **Start Time: NOON**      **End Time:** 2 PM

**Weather:** Cloudy, Overcast

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **East Bound** | **West Bound** | **SOUTH** | **NORTH** | |
| **00-:15** | 0 | 0 | 0 | 0 | |
| **15-:30** | 1 | 0 | 2 | 0 | |
| **30-:45** | 1 | 0 | 0 | 0 | |
| **45-1:00** | 0 | 0 | 0 | 0 | |
| **1:00-1:15** | 1 | 0 | 0 | 0 | |
| **1:15-1:30** | 0 | 0 | 0 | 0 | |
| **1:30-1:45** | 1 | 1 | 0 | 0 | |
| **1:45-2:00** | 0 | 0 | 0 | 0 | |
| *Total* | 4 | 1 | 2 | 0 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Tenaya and Smoke Ranch

**Date:** November 14, 2013                **Start Time:** 5 PM        **End Time:** 7 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | **North Bound** | **South Bound** | **EAST** | **WEST** |  |
| **00-:15** | 0 | 0 | 1 | 4 | |
| **15-:30** | 1 | 0 | 0 | 2 | |
| **30-:45** | 0 | 0 | 0 | 0 | |
| **45-1:00** | 0 | 0 | 1 | 1 | |
| **1:00-1:15** | 0 | 0 | 0 | 1 | |
| **1:15-1:30** | 0 | 0 | 2 | 4 | |
| **1:30-1:45** | 0 | 0 | 0 | 0 | |
| **1:45-2:00** | 0 | 0 | 0 | 0 | |
| *Total* | 1 | 0 | 4 | 12 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Tenaya and Smoke Ranch

**Date:** November 16, 2013                 **Start Time:** NOON        **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|           | Bicycles | | Pedestrians | | Others |
|-----------|------------|-------------|------|------|--------|
|           | **North Bound** | **South Bound** | **EAST** | **WEST** |  |
| 00-:15    | 0 | 1 | 0 | 1 |  |
| 15-:30    | 0 | 0 | 1 | 0 |  |
| 30-:45    | 1 | 3 | 0 | 7 |  |
| 45-1:00   | 0 | 0 | 0 | 1 |  |
| 1:00-1:15 | 0 | 0 | 1 | 0 |  |
| 1:15-1:30 | 0 | 0 | 0 | 0 |  |
| 1:30-1:45 | 0 | 0 | 1 | 0 |  |
| 1:45-2:00 | 0 | 0 | 0 | 0 |  |
| *Total*   | 1 | 4 | 3 | 9 |  |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.                    **Location**: Tropical and Lawrence

**Date:** October 31, 2013                    **Start Time:** 5 PM          **End Time:** 7 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | **East Bound** | **West Bound** | **SOUTH** | **NORTH** | |
| 00-:15 | 0 | 0 | 0 | 0 | |
| 15-:30 | 2 | 0 | 0 | 0 | |
| 30-:45 | 1 | 0 | 2 | 0 | |
| 45-1:00 | 1 | 0 | 2 | 0 | |
| 1:00-1:15 | 0 | 0 | 0 | 0 | |
| 1:15-1:30 | 0 | 0 | 0 | 0 | |
| 1:30-1:45 | 0 | 0 | 0 | 0 | |
| 1:45-2:00 | 0 | 0 | 3 | 0 | |
| *Total* | 0 | 0 | 7 | 0 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.          **Location**: Tropical and Lawrence

**Date:** November 02, 2013          **Start Time:** NOON          **End Time:** 2 PM

**Weather:** Sunny

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | East Bound | West Bound | SOUTH | NORTH | |
| 00-:15 | 0 | 0 | 1 | 0 | |
| 15-:30 | 0 | 0 | 2 | 0 | |
| 30-:45 | 1 | 0 | 3 | 0 | |
| 45-1:00 | 0 | 0 | 0 | 0 | |
| 1:00-1:15 | 1 | 0 | 3 | 0 | |
| 1:15-1:30 | 0 | 0 | 0 | 0 | |
| 1:30-1:45 | 0 | 0 | 0 | 0 | |
| 1:45-2:00 | 1 | 0 | 0 | 0 | |
| *Total* | 3 | 0 | 9 | 0 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.          **Location**: Washington and H

**Date:** November 21, 2013          **Start Time:** 5 PM          **End Time:** 7 PM

**Weather:** Showers

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

| | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
| | East Bound | West Bound | SOUTH | NORTH | |
| 00-:15 | 0 | 1 | 0 | 2 | |
| 15-:30 | 1 | 1 | 1 | 0 | |
| 30-:45 | 0 | 0 | 1 | 0 | |
| 45-1:00 | 0 | 1 | 1 | 3 | |
| 1:00-1:15 | 0 | 0 | 0 | 14 | |
| 1:15-1:30 | 0 | 0 | 2 | 1 | |
| 1:30-1:45 | 0 | 0 | 1 | 1 | |
| 1:45-2:00 | 1 | 0 | 0 | 0 | |
| *Total* | 2 | 3 | 6 | 21 | |

# STANDARD SCREENLINE COUNT FORM

**Name:** CA GROUP, INC.          **Location**: Washington and H

**Date:** November 23, 2013          **Start Time:** NOON          **End Time:** 2 PM

**Weather:** Cloudy

Please fill in your name, count location, date, time period, and weather conditions (fair, rainy, very cold). Count all bicyclists and pedestrians crossing your screen line under the appropriate categories.

- Count for two hours in 15 minute increments.
- Count bicyclists who ride on the sidewalk.
- Count the number of people on the bicycle, not the number of bicycles.
- Pedestrians include people in wheelchairs or others using assistive devices, children in strollers, etc.
- People using equipment such as skateboards or rollerblades should be included in the "Other" category.

|  | Bicycles | | Pedestrians | | Others |
|---|---|---|---|---|---|
|  | East Bound | West Bound | SOUTH | NORTH |  |
| 00-:15 | 0 | 0 | 0 | 1 |  |
| 15-:30 | 0 | 0 | 0 | 0 |  |
| 30-:45 | 0 | 0 | 0 | 0 |  |
| 45-1:00 | 0 | 2 | 0 | 2 |  |
| 1:00-1:15 | 0 | 0 | 0 | 4 |  |
| 1:15-1:30 | 0 | 0 | 0 | 2 |  |
| 1:30-1:45 | 0 | 0 | 0 | 2 |  |
| 1:45-2:00 | 0 | 0 | 0 | 1 |  |
| *Total* | 0 | 2 | 0 | 12 |  |