

Weaverville Pedestrian Count

Time Period: Tuesday, February 10, 2015, 12:00 A.M. – Tuesday, February 17, 2015 12:00 A.M.

Location: On the northwest corner of Main Street and Merrimon Avenue (US-19 B) in downtown Weaverville.



(Image: Google Maps)

Equipment: EcoCounter Pyro Counter

The Pyro Counter is able to count bicyclists, pedestrians, skateboarders, rollerbladers, or anyone who passes within approximately 16.5 feet of the equipment. However, the device is unable to differentiate between the different users and simply counts them as general users.

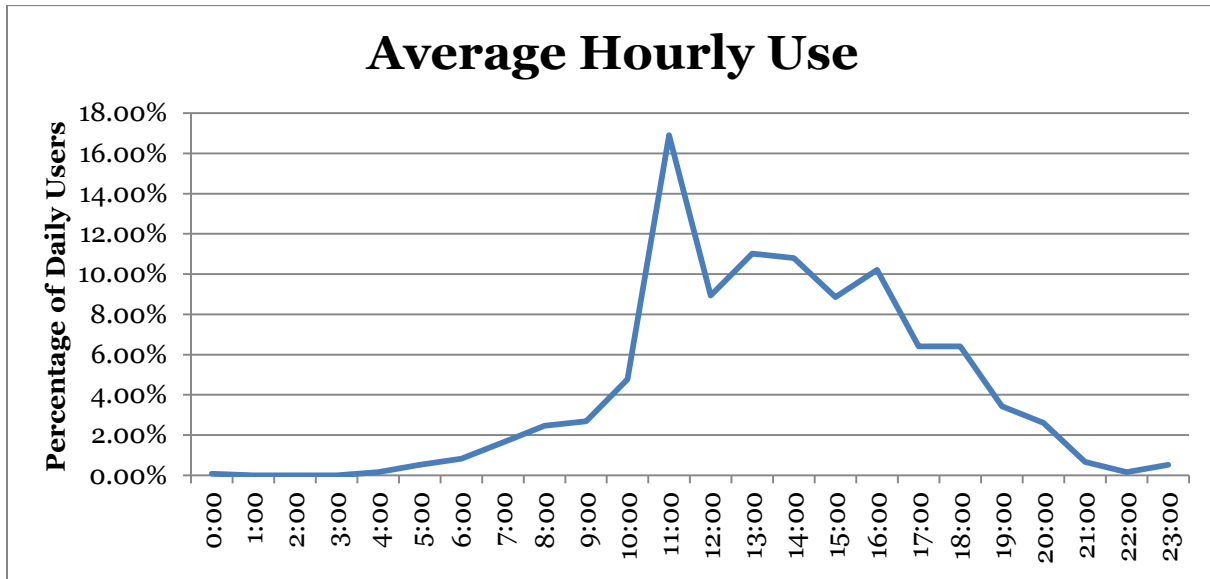
Possible sources of error include facility-users walking side-by-side or very close to each other; this is likely to include people walking or running side-by-side, children being held by a parent or walking along side of them, or dense groups of users. It is unclear how many users are likely to have been missed due to these circumstances and there has been no effort to make up for this likely discrepancy.

Results

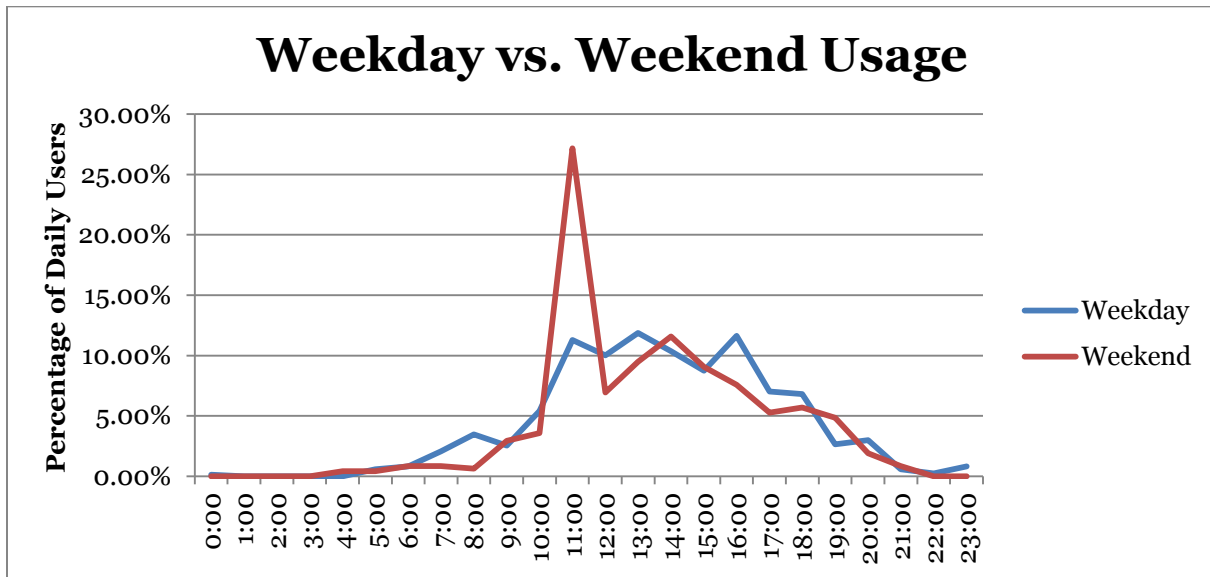
Total Users	1,343
Users/Hour	8.0
Peak 24-Hour Usage	301
Peak Day	Saturday, February 14th
Peak 2-Hour Period	92
Peak 2-Hour Day & Time	11:00 A.M. – 1:00 P.M. Sunday, February 15th

Patterns of Use

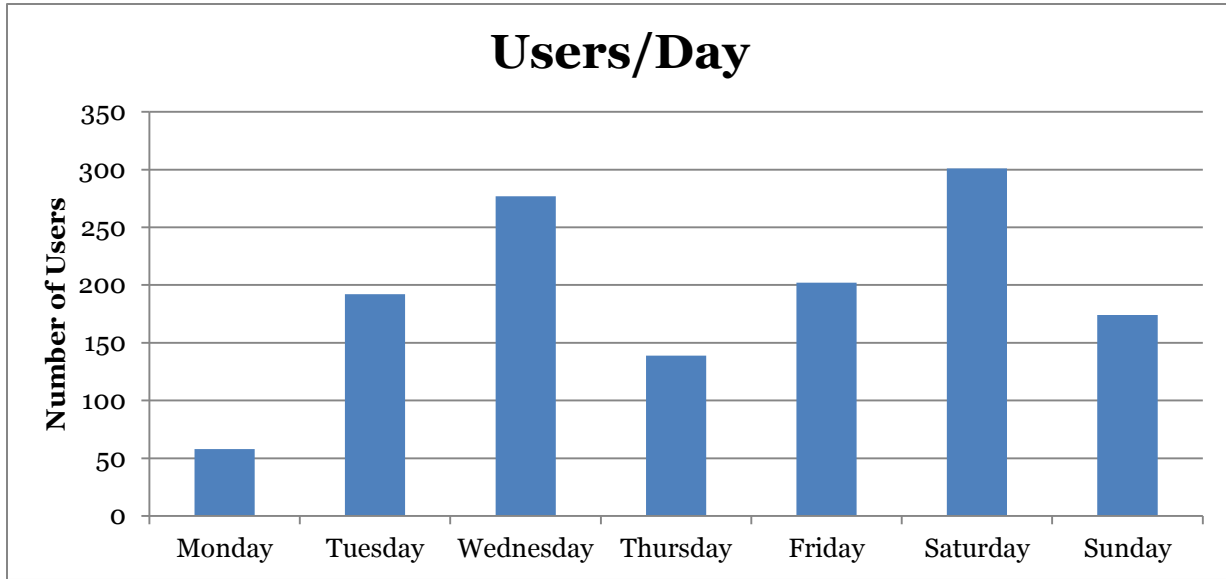
The following chart illustrates the average use of the sidewalk at the count location. This includes both weekday and weekend data and has greater weekday representation.



The second chart illustrates the different pattern of usage between the weekday and weekend.



The third chart shows users/day.



Weather

There were several winter weather events during the count. The first occurred on Thursday, February 12th and was followed-up by another on Sunday, February 15th and Monday, February 16th. Little accumulation occurred, but snow/ice and low temperatures may have served as deterrents to pedestrians on those days.