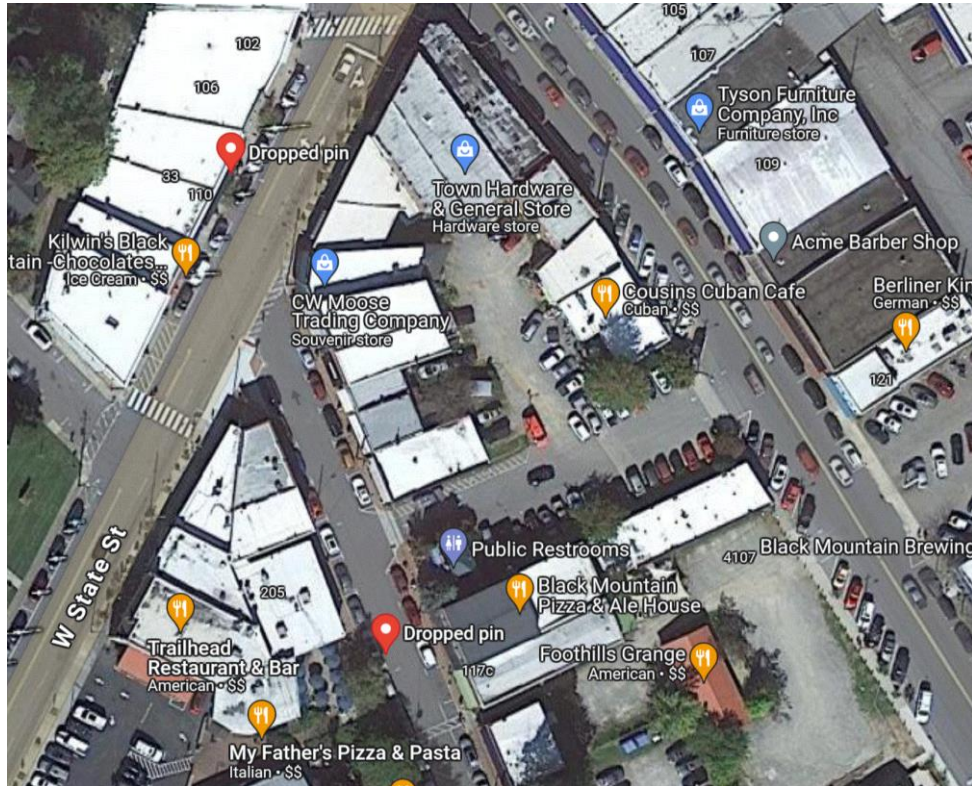


Downtown Black Mountain Pedestrian Count

Time Period: Wednesday, December 14, 2023 – Tuesday, December 20, 2023

Location: Main St. at Cherry St, on Cherry St outside of My Father's Pizza and Pasta



(Image: Google Maps)

Equipment: EcoCounter Pyro Counter. Placed 12/13/2023 and retrieved 12/21/2023. RPO 1 Counter was set at Cherry St, south of State, in front of My Father's Pizza and Pasta. RPO Ped Counter 2 was placed at State Street at Cherry Street, in front of the Merry Wine Market.

The Pyro Counter can 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 discrepancy.

Results

| | |
|-----------------------------------|---|
| Total Users | 3291 |
| Users/Hour | 19.59 |
| Peak 24-Hour Usage | 996 |
| Peak Day | Saturday, November 29th |
| Peak 2-Hour Period | 295 |
| Peak 2-Hour Day & Time | 2:00 – 4:00 P.M. Friday, November 28th |

Main Street at Cherry Street (S)

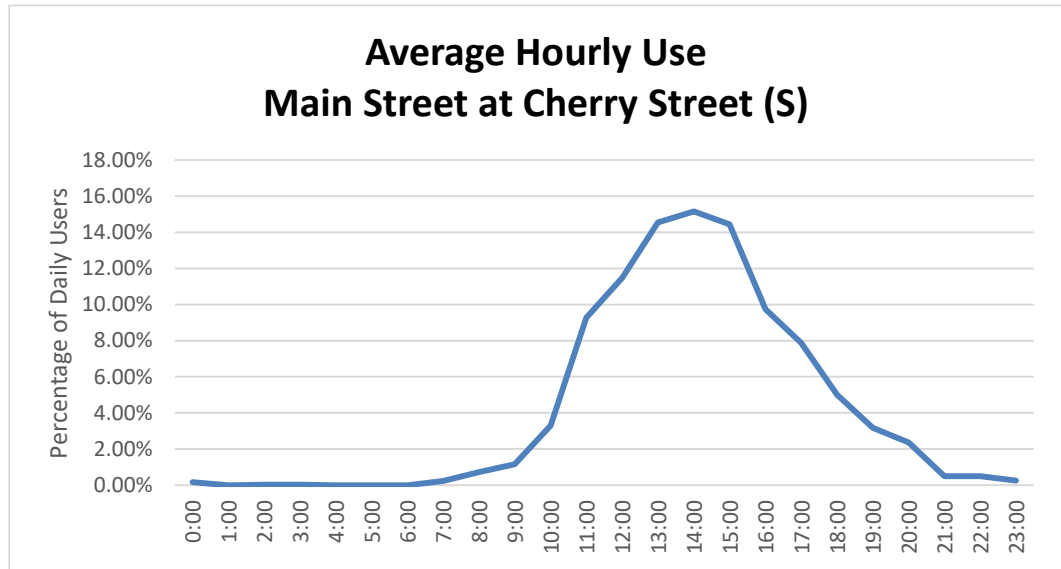
| | |
|----------------------------------|---|
| Total Users | 3,429 |
| Users/Hour | 20.4 |
| Peak 24-Hour Usage | 816 |
| Peak Day | Saturday, December 16, 2023 |
| Peak 2-Hour Usage Period | 255 |
| Peak 2-Hour Date and Time | Sat. Dec. 16, 2023 -- 1 PM to 3 PM |

This study was done to update the data from late 2014 and early 2015 for two locations near the intersection of Cherry and State. The first study was done here on Cherry Street the week ending December 2, 2014. The data from 2014 showed very active pedestrian foot traffic on Friday and Saturday, while the data from 2023 revealed more consistent foot traffic throughout the week. The data from 2014 showed a “double peak” of activity around 11 AM and 3 PM while the 2023 data revealed a smoother curve peaking around 2 PM.

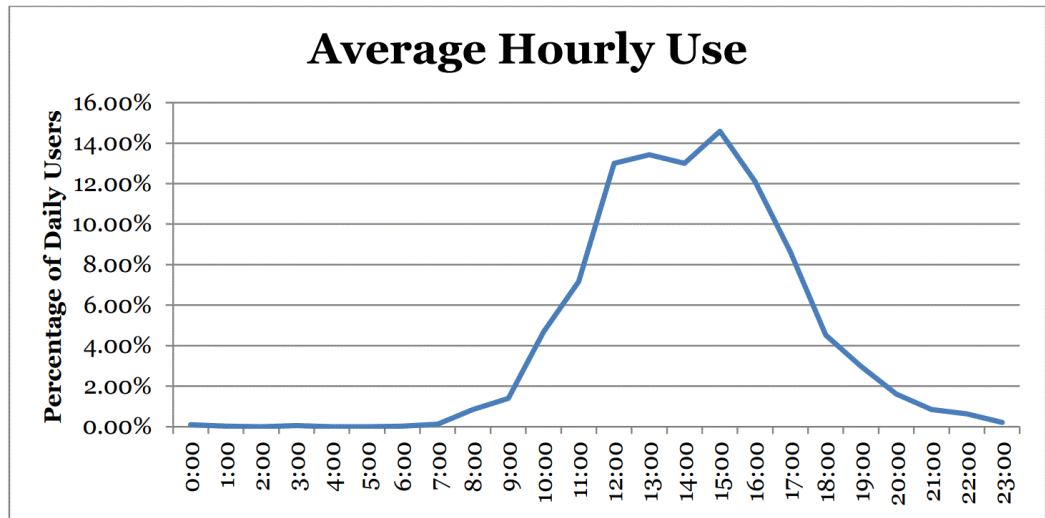
Patterns of Use

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.

2023

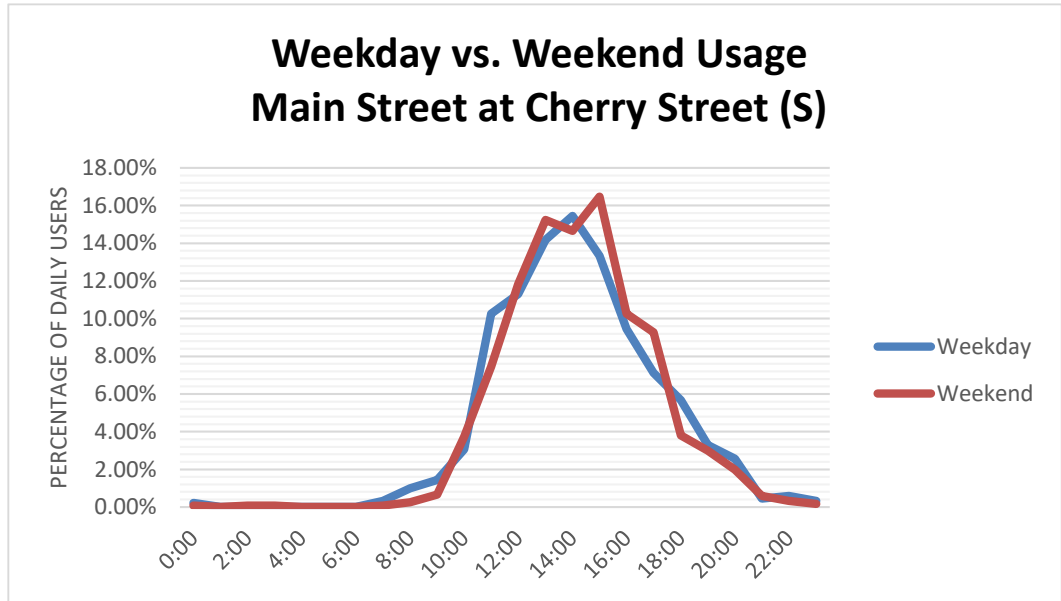


2014

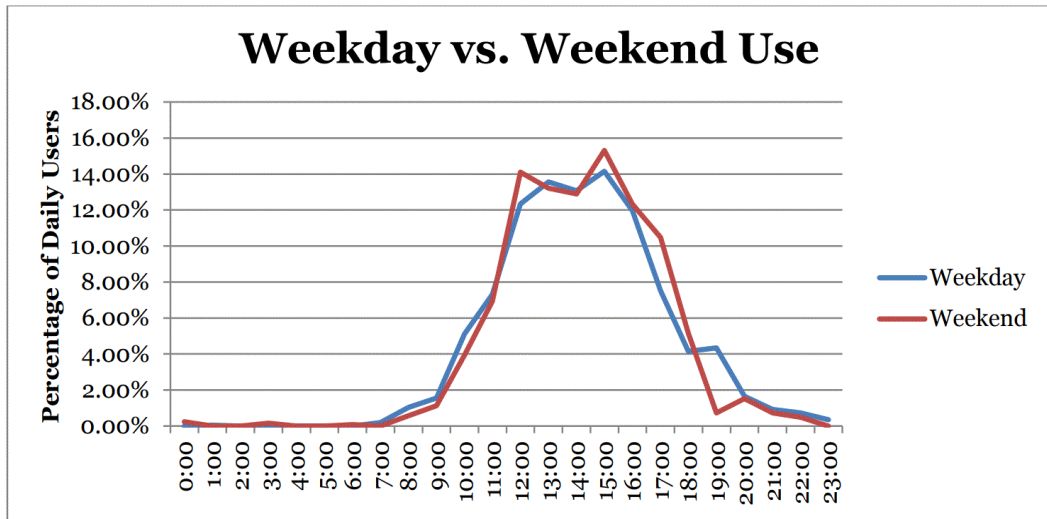


The second chart illustrates the different pattern of usage between the weekday and weekend.

2023

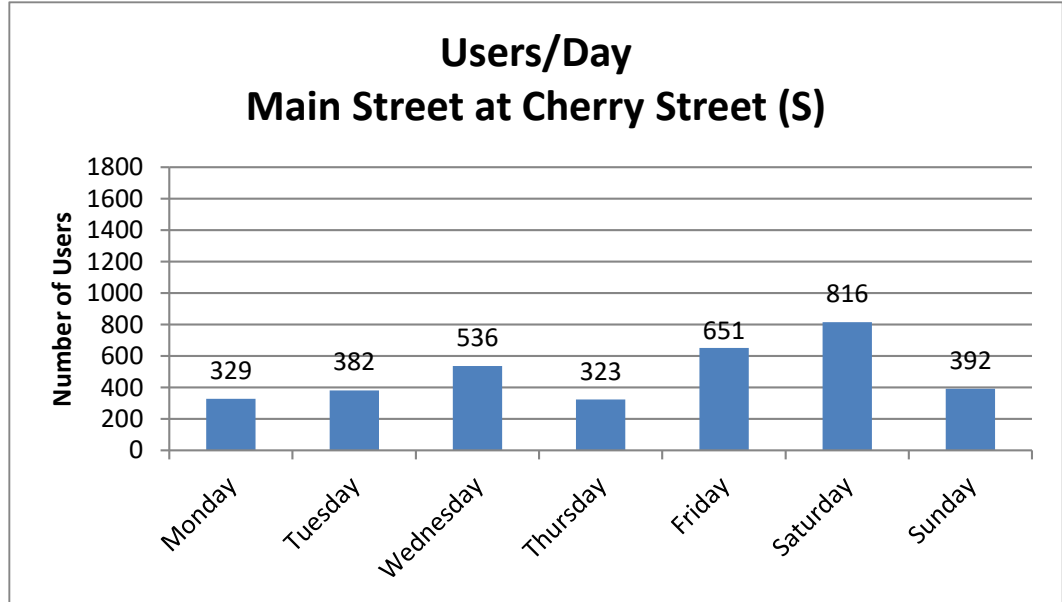


2015

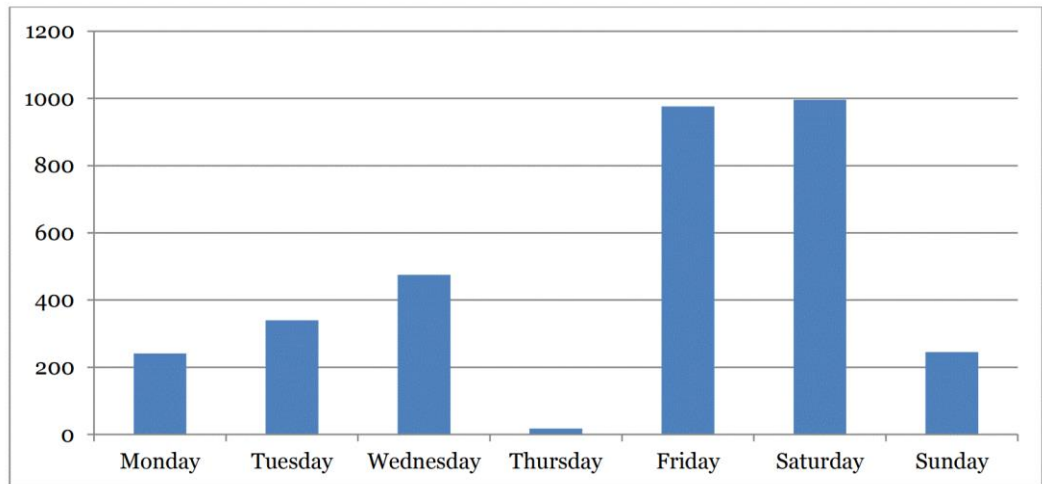


The third chart shows users/day.

2023



2015



Notes:

This is the second time that this location has been surveyed.

| Date | Minimum Temperature | Maximum Temperature | Average Temperature | Precipitation | Ave. Wind Speed |
|------------|---------------------|---------------------|---------------------|---------------|-----------------|
| 12/6/2023 | 30.6 °F | 42.4 °F | 36.5 °F | 0.07 in | 0.1 mph |
| 12/7/2023 | 23.0 °F | 61.3 °F | 28.9 °F | 0.00 in | 0.1 mph |
| 12/8/2023 | 26.3 °F | 65.2 °F | 32.6 °F | 0.00 in | 0.3 mph |
| 12/9/2023 | 38.7 °F | 62.4 °F | 57.3 °F | 0.24 in | 0.3 mph |
| 12/10/2023 | 32.9 °F | 59.4 °F | 55.4 °F | 1.62 in | 0.2 mph |
| 12/11/2023 | 23.2 °F | 45.0 °F | 31.5 °F | 0.00 in | 0.2 mph |
| 12/12/2023 | 17.2 °F | 56.8 °F | 27.5 °F | 0.00 in | 0.1 mph |

<https://www.wunderground.com/dashboard/pws/KNCWEAVE161/table/2023-12-13/2023-12-13/monthly>