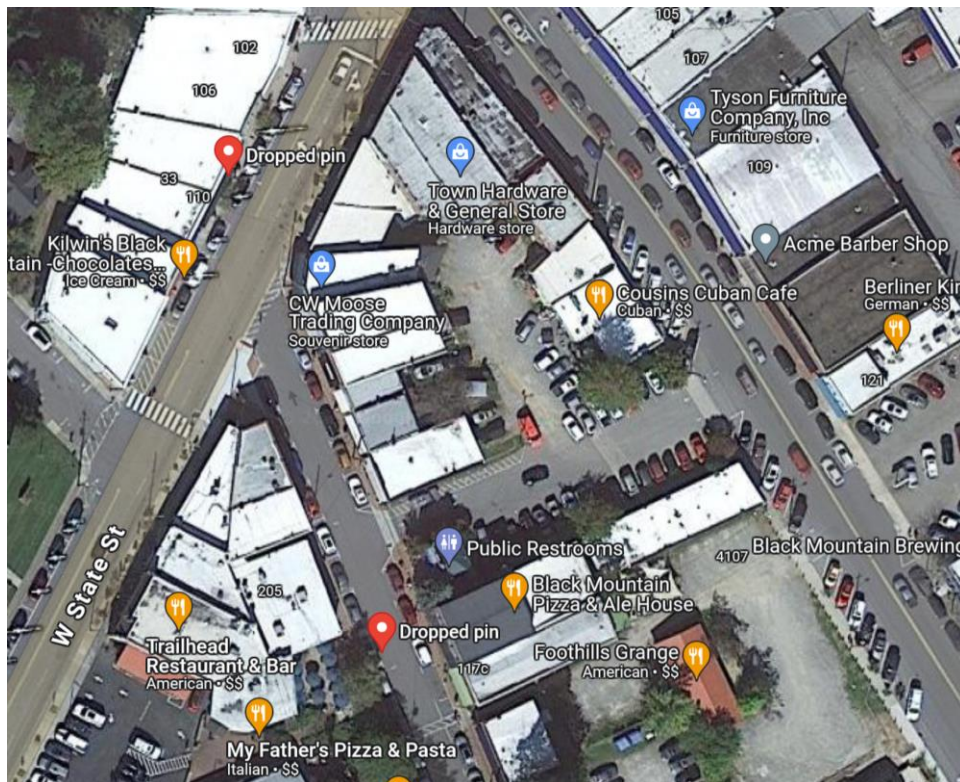


Downtown Black Mountain Pedestrian Count

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

Location: Outside of Merry Wine Market North and slightly east of the intersection of Cherry and W. State St.



(Image: Google Maps)

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

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 data is from different months, which may have impacted the results. The daily pattern of usage is similar to 2015, with a proportionate increase in foot traffic every day of the week. The slowest day during 2023 (Sunday – 427) was more active than the busiest day during 2015 (Saturday – 386.) The busiest day of the week (Saturday -1618) was busier than the entire week during 2015–1563.) It is interesting to note that Saturday was a rainy day this year.

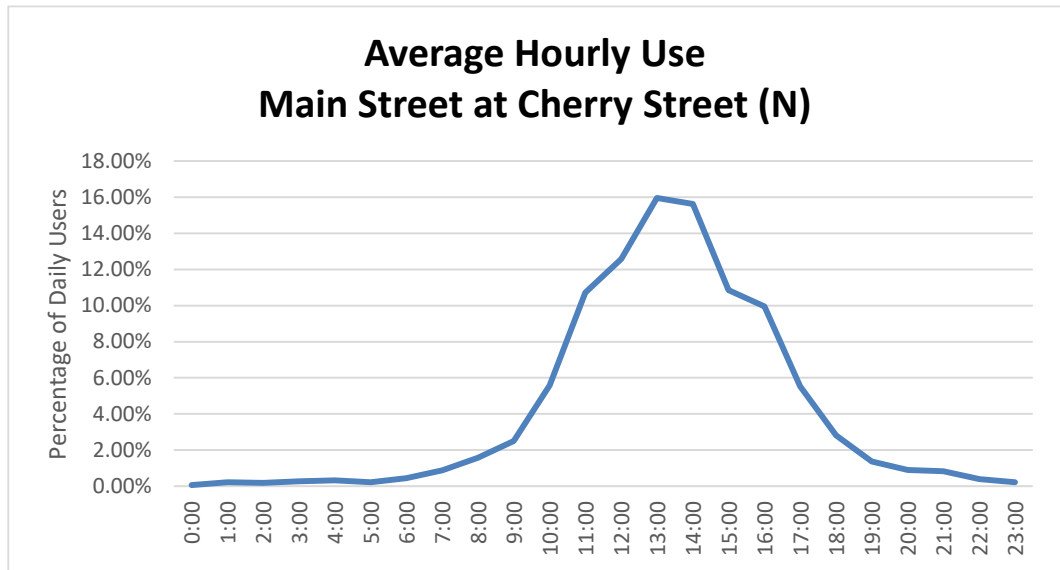
Main Street at Cherry Street (N)

| | |
|-----------------------------------|--|
| Total Users | 6,123 |
| Users/Hour | 36.4 |
| Peak 24-Hour Usage | 1,618 |
| Peak Day | Saturday December 16 |
| Peak 2-Hour Usage Period | 503 |
| Peak 2-Hour Date and Time | Sat. Dec. 16, 2023 -- Noon to 2 PM |
| Total Users | 1,563 |
| Users/Hour | 9.3 |
| Peak 24-Hour Usage | 386 |
| Peak Day | Saturday, February 21st |
| Peak 2-Hour Period | 123 |
| Peak 2-Hour Day & Time | 3:00 – 5:00 P.M. Saturday, February 21st |

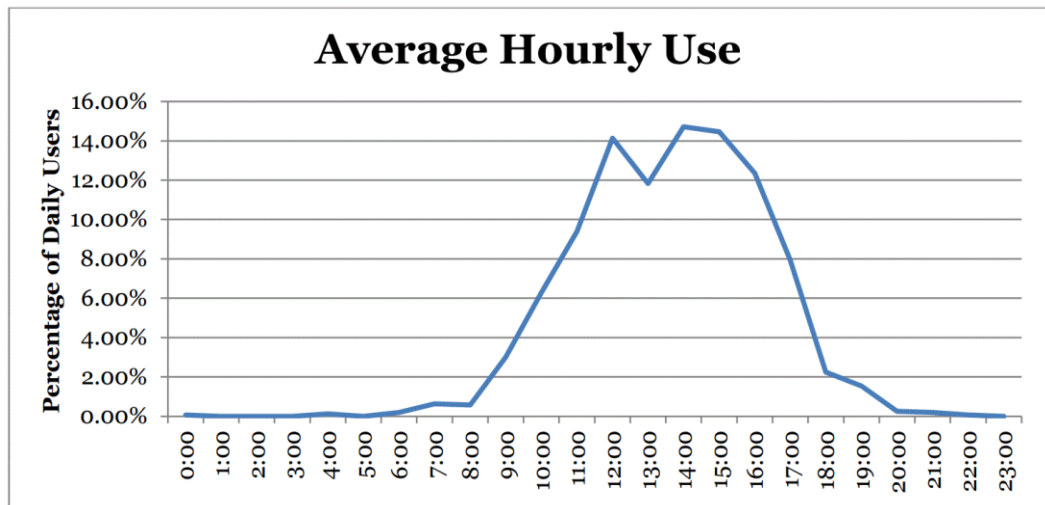
Patterns of Use

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

2023

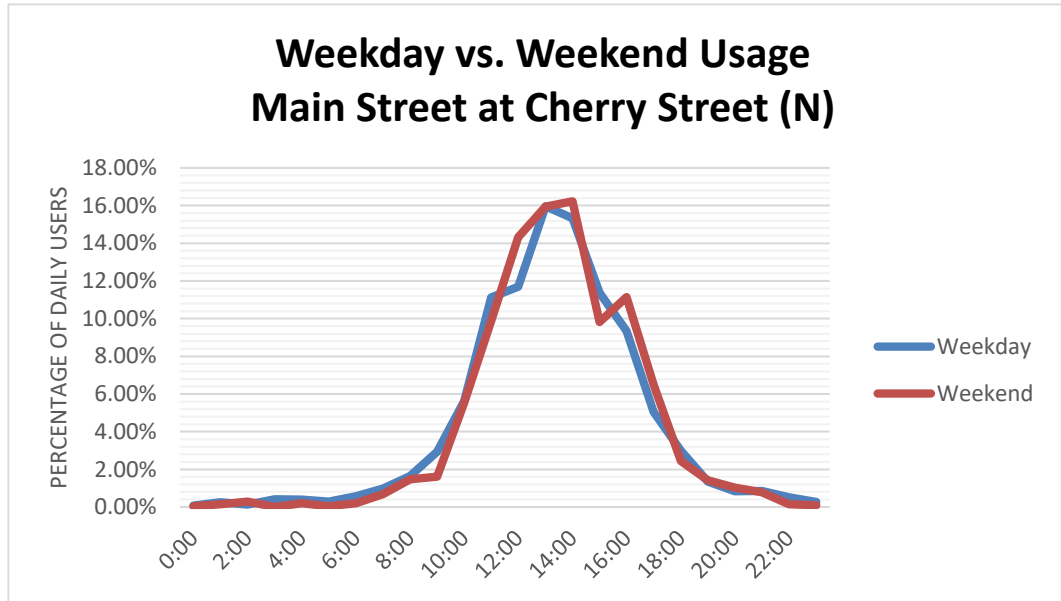


2015

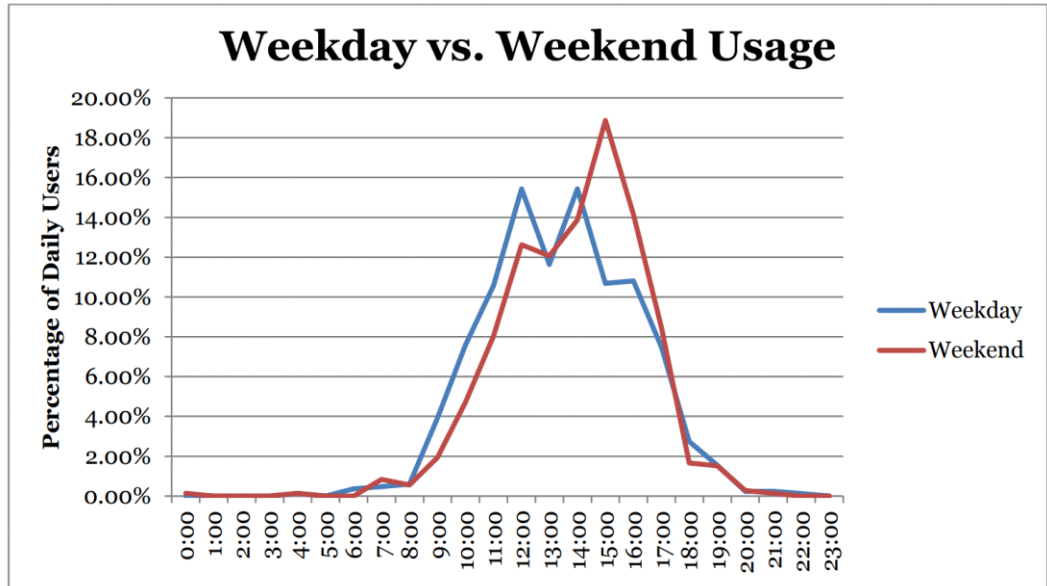


The second chart illustrates the different pattern of usage between the weekday and weekend.

2023

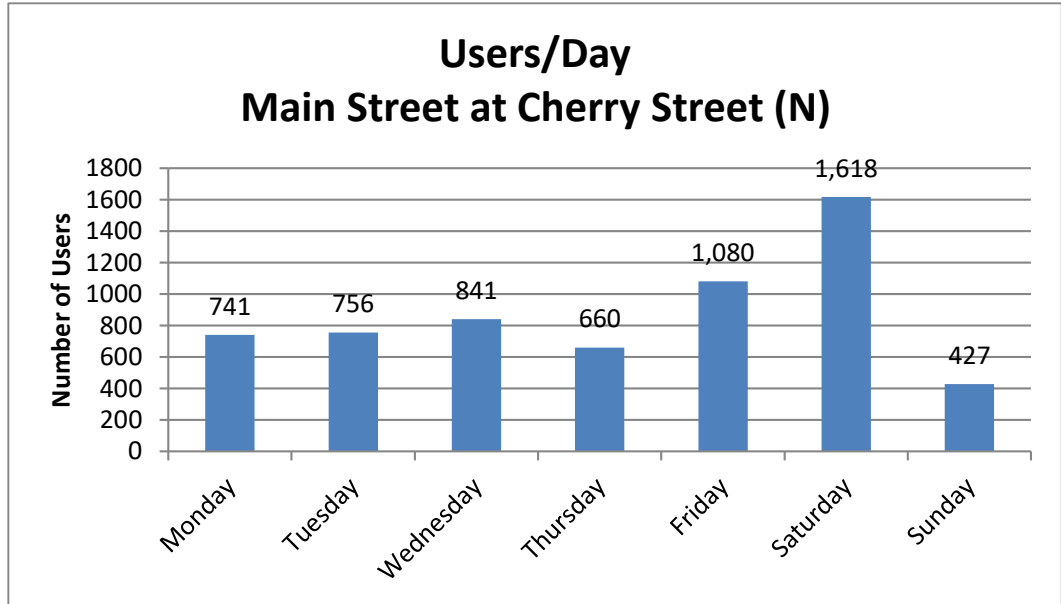


2015

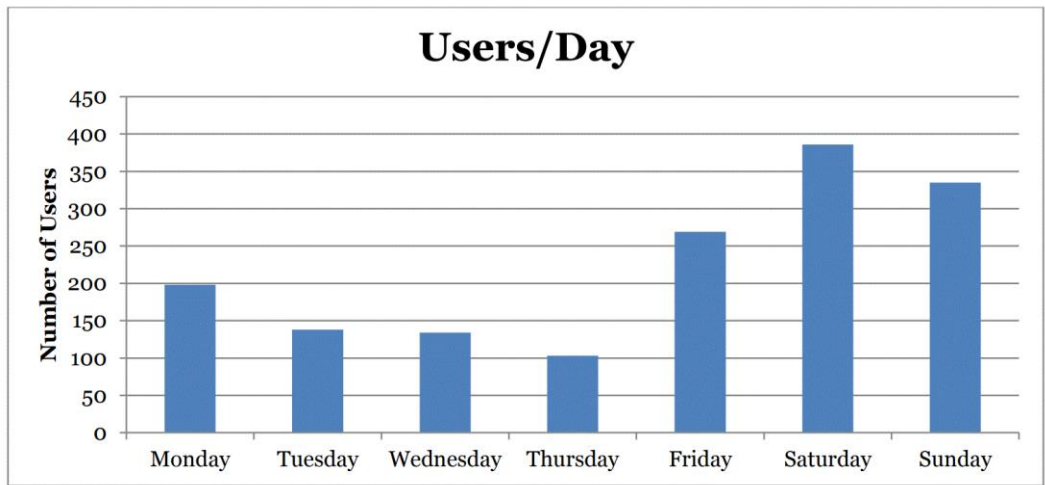


The third chart shows users/day.

2023



2015



Notes:

This is the second time that this location has been surveyed. The first time was during February of 2015

| 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>