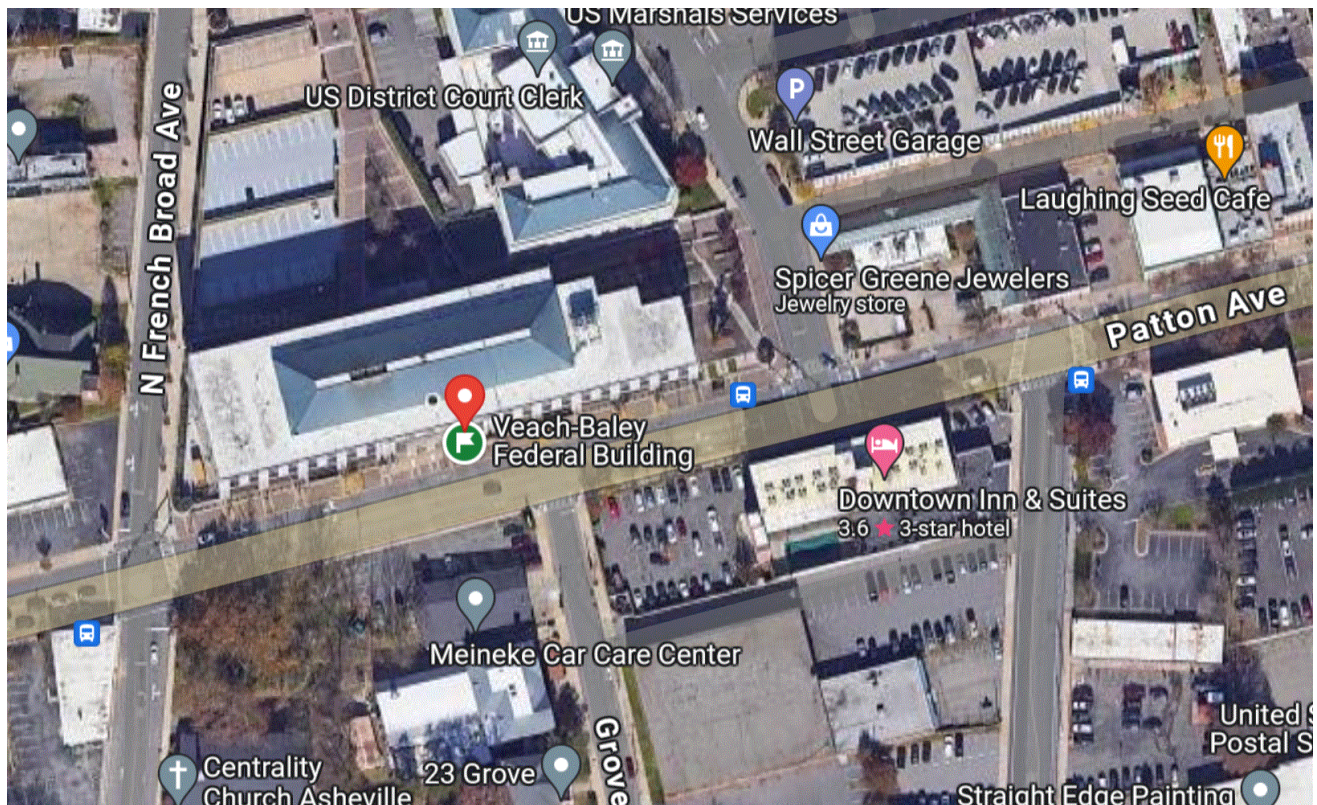


Asheville –Patton Avenue at Grove Street Pedestrian Count

Time Period: Tuesday November 28, 2023 – Monday December 4, 2023

Location: Downtown Asheville, on the north side of Patton Avenue, about forty feet south of Patton Avenue, outside of the Federal Building, at the intersection of Patton and Grove Street.



(Image: Google Maps)

Equipment: EcoCounter Pyro Counter (RPO #1,) set out on November 27 and retrieved on December 5, 2023

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 carried by a parent or walking along side of them, or dense groups of users. It is unclear how many users went uncounted due to these circumstances and there has been no effort to make up for this discrepancy.

Results:

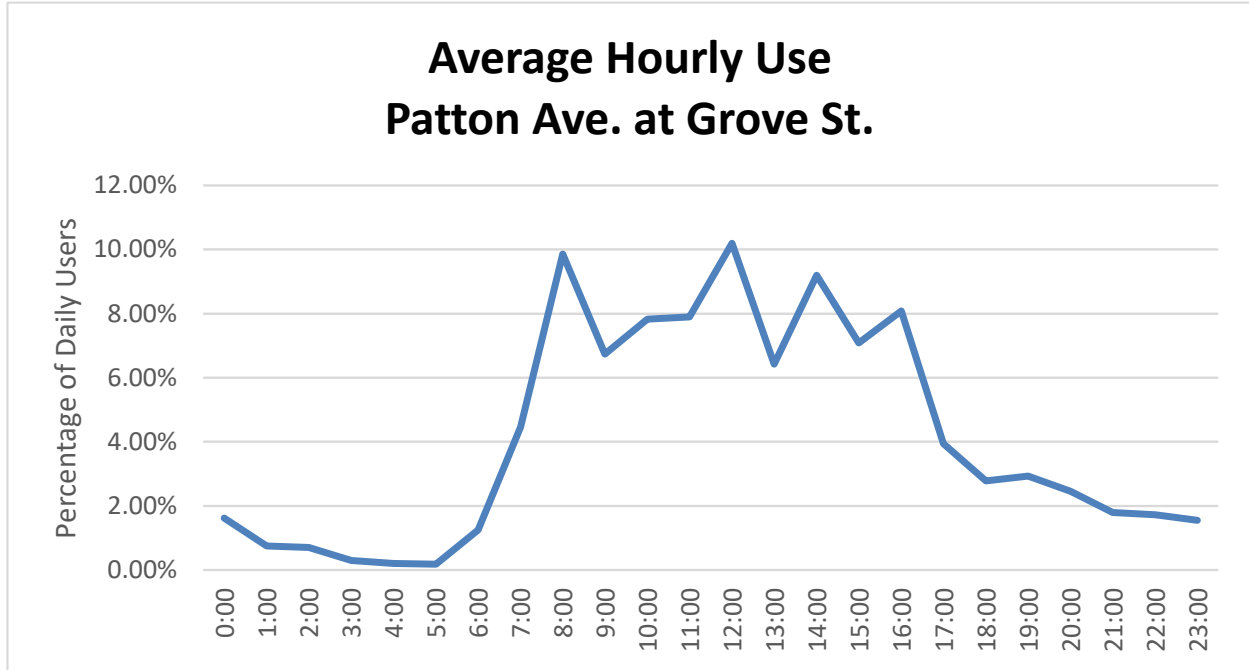
Patton Ave. at Grove St.

Total Users	4,391
Users/Hour	26.1
Peak 24-Hour Usage	750
Peak Day	Friday December 1, 2023
Peak 2-Hour Usage Period	213
Peak 2-Hour Date and Time	Friday December 1, 2023 - 2 PM to 4 PM

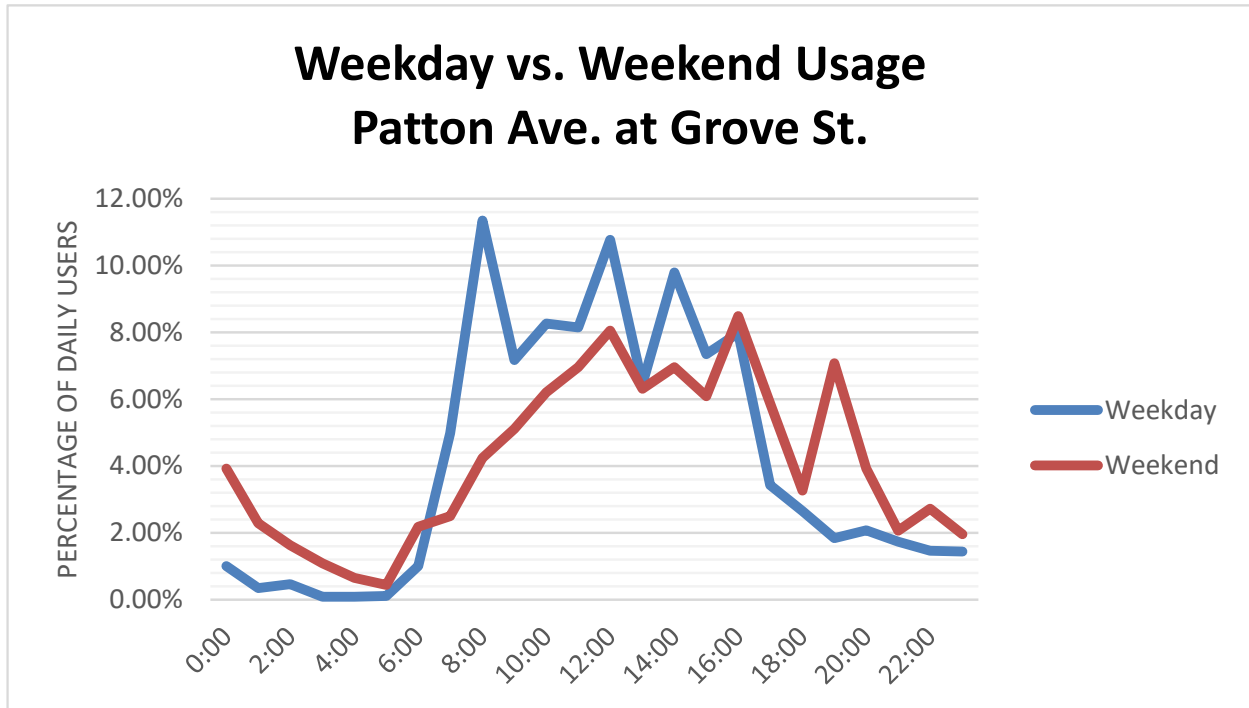
This was the first time that this location has been surveyed. A second pedestrian counter was placed at the intersection of Patton Avenue on Haywood Street. The busiest day of the survey was Friday, followed by a virtual tie for Wednesday and Monday. There was less activity on the weekend, and what activity occurred on Saturday and Sunday spiked at Noon, 4 PM, and 7 PM. There was a cold snap on Wednesday. There was light rain on Sunday.

Patterns of Use

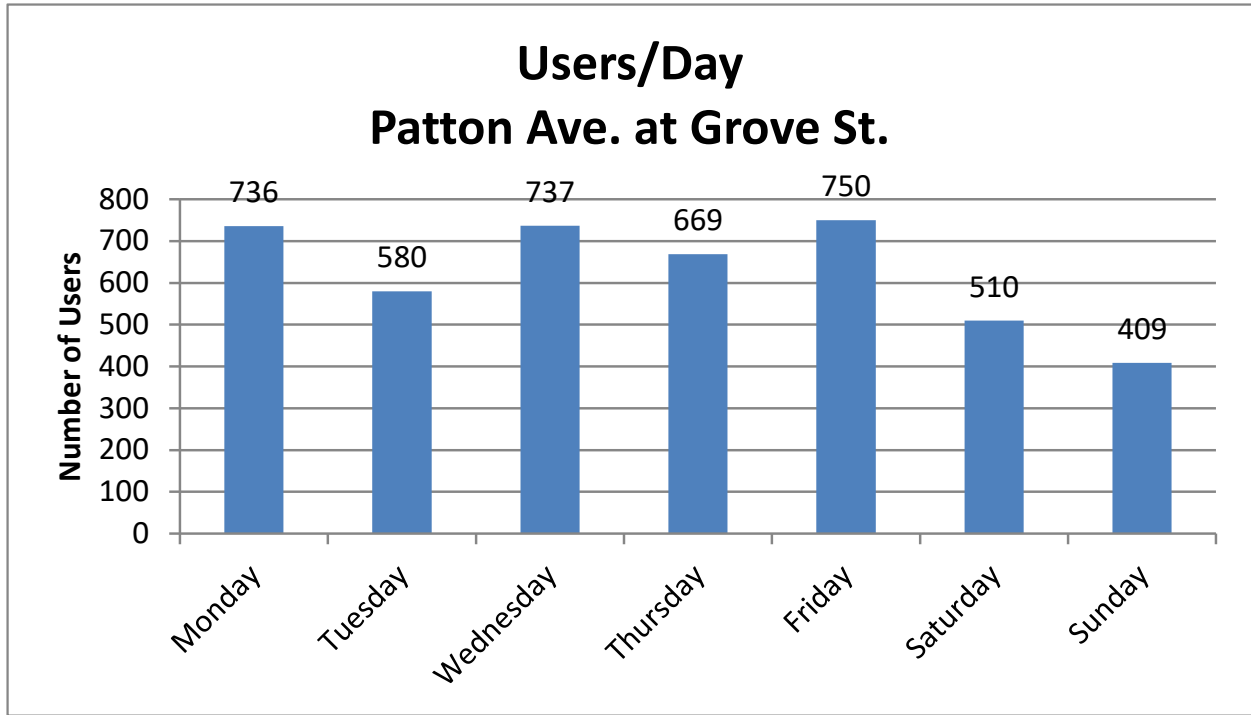
The following chart illustrates the average use of the sidewalk at the count location. This includes both weekday and weekend data and has greater weekday representation.



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



The third chart shows users/day.



Notes

Date	Minimum Temperature	Maximum Temperature	Average Temperature	Precipitation	Ave. Wind Speed
11/28/2023	26.4 °F	38.8 °F	33.5 °F	0.00 in	4.9 mph
11/29/2023	15.8 °F	53.4 °F	32.0 °F	0.00 in	1.7 mph
11/30/2023	25.3 °F	58.6 °F	41.3 °F	0.00 in	2.8 mph
12/1/2023	45.1 °F	57.4 °F	51.7 °F	0.06 in	2.9 mph
12/2/2023	49.5 °F	61.2 °F	55.9 °F	0.00 in	2.3 mph
12/3/2023	45.0 °F	65.5 °F	57.5 °F	0.19 in	2.8 mph
12/4/2023	32.4 °F	61.0 °F	46.6 °F	0.00 in	3.4 mph
https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2023-11					
https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2023-11					