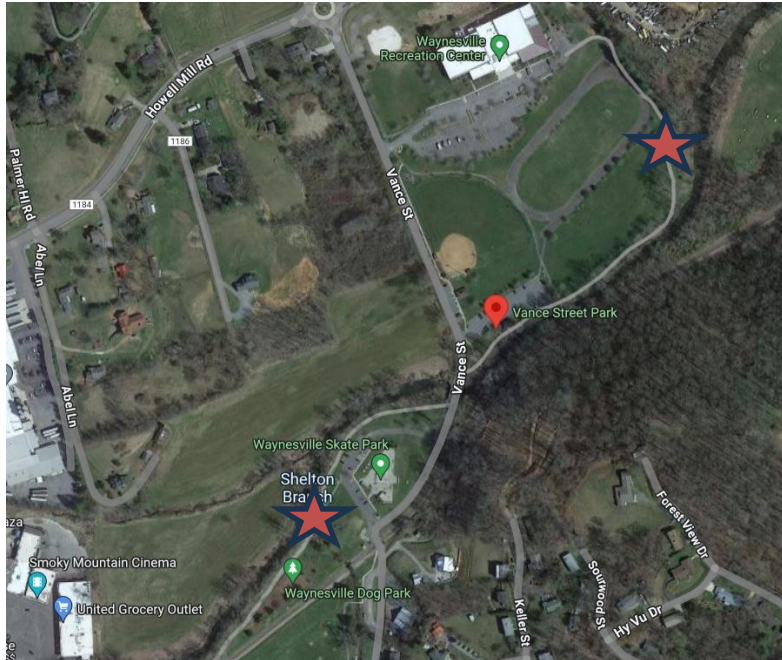


# Waynesville – Vance Street Park Pedestrian Count

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**Time Period:** Tuesday April 16, 2024, to Monday April 22, 2024.

**Location:** Vance Street Park, or Waynesville Recreation Park, between the Skate Park and the Dog Park.



(Image: Google Maps)

**Equipment:** EcoCounter Pyro Counter. Placed 4/15/2024 and retrieved 4/23/2024. RPO 1 Counter was mounted at the eastern end of the trail near Station #10 of the Story Walk, near the newly dedicated bridge on the Richland Creek Greenway. RPO 2 Counter was mounted on a telephone pole between the dog park and the skate park.

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 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 the number of users who were likely to have been missed due to these circumstances and there has been no effort to make up for this discrepancy.

As with all these surveys, this is just a snapshot of time for activity in the study area. There can be differences in activity due to the time of year the survey is conducted. Weather can have an impact on the results of the survey. Efforts will be made to repeat the survey during different seasons and during the same time of the year during future years.

## Results

This study was done after the dedication of the Richland Creek Greenway bridge. It was done to provide a baseline for when the new section of the park is opened. It was also performed to compare the activity in the two parts of the existing trails. This part of the report will look at the prior data and the current data. The Vance Street Park (Waynesville Recreation Park) was surveyed during [May 10-17, 2022](#).

The data improved, overall, for total users, average hourly users, peak 24-hour usage, and peak 2-hour usage. The usage during May of 2022 showed two peaks of activity, one around lunchtime and the other at 5 PM. Activity was higher during 2024 than 2022, six of the seven days surveyed. This year, the Sunday data appears to have been impacted by cool, wet weather.

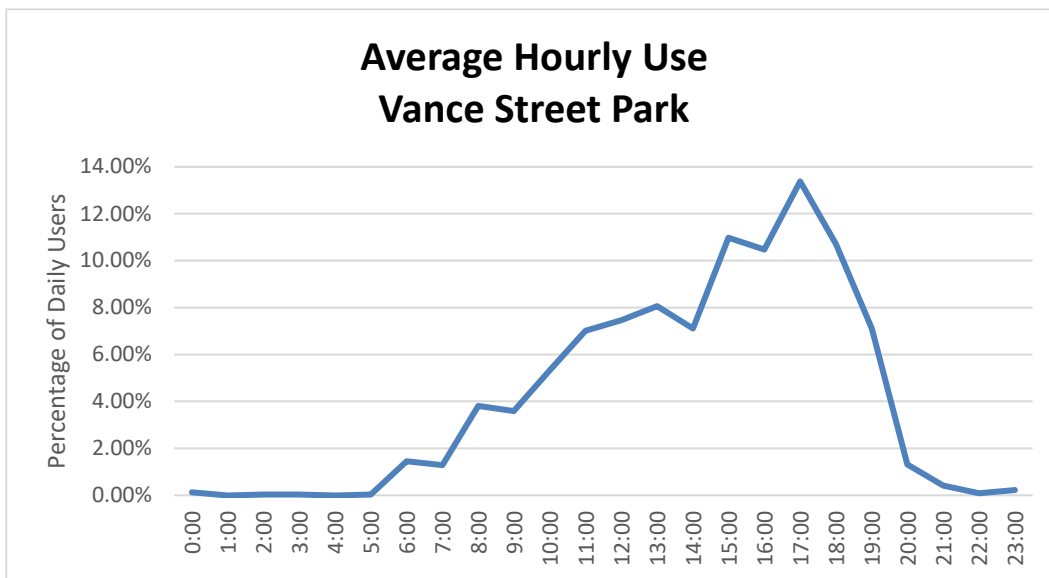
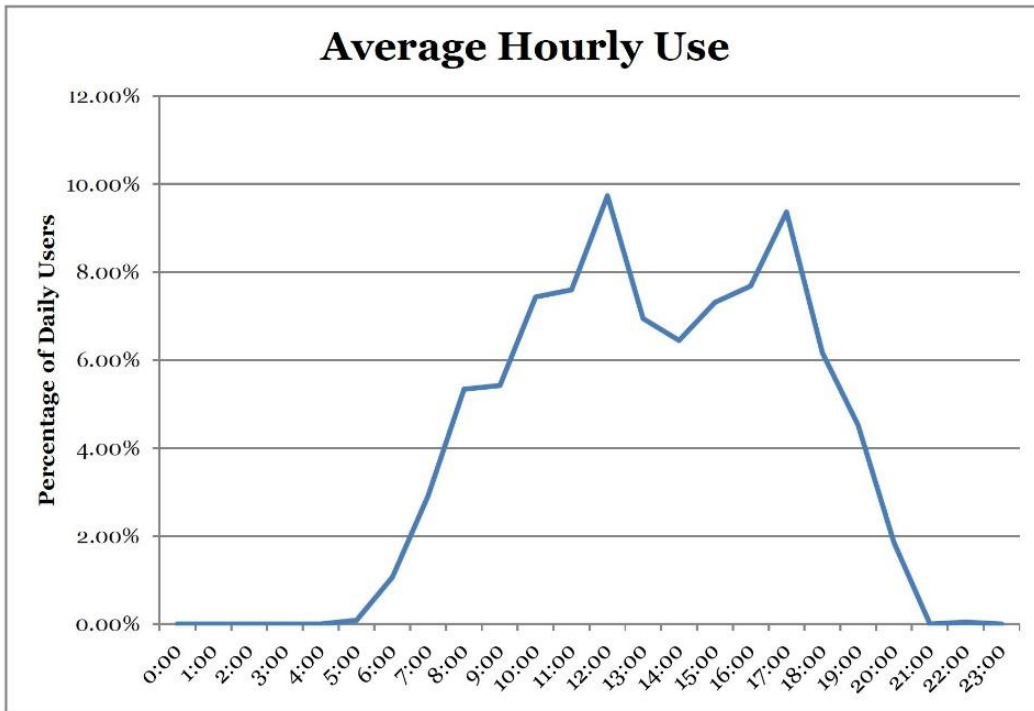
<b>Total Users</b>	<b>2435</b>
<b>Users/Hour</b>	<b>14.2</b>
<b>Peak 24-Hour Usage</b>	<b>431</b>
<b>Peak Day</b>	<b>Tuesday, May 10<sup>th</sup>, 2022</b>
<b>Peak 2-Hour Period</b>	<b>97</b>
<b>Peak 2-Hour Day &amp; Time</b>	<b>Monday, May 16<sup>th</sup>, 2022, 6:00pm – 8:00pm</b>

### Vance Street Park

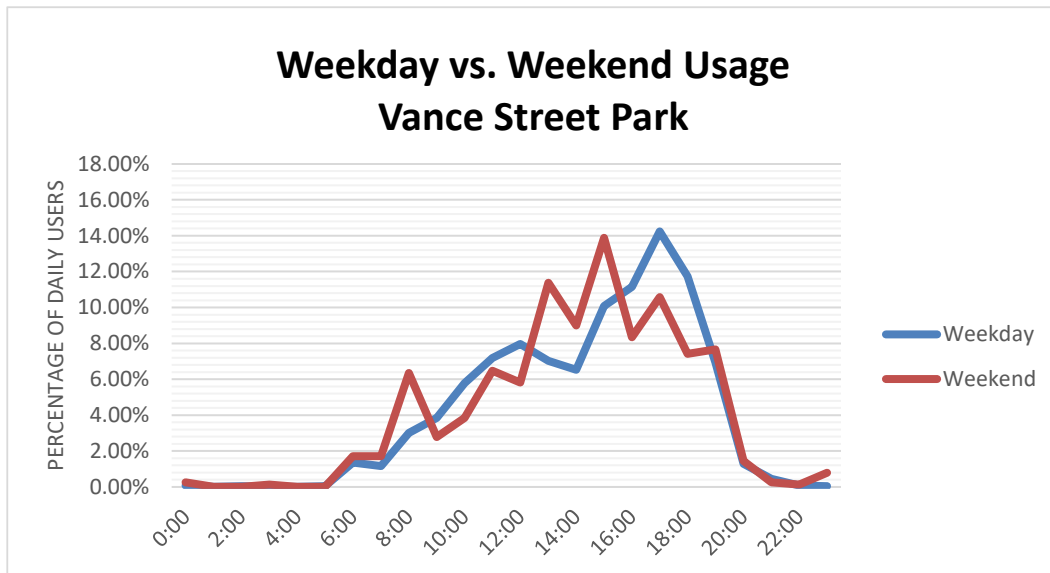
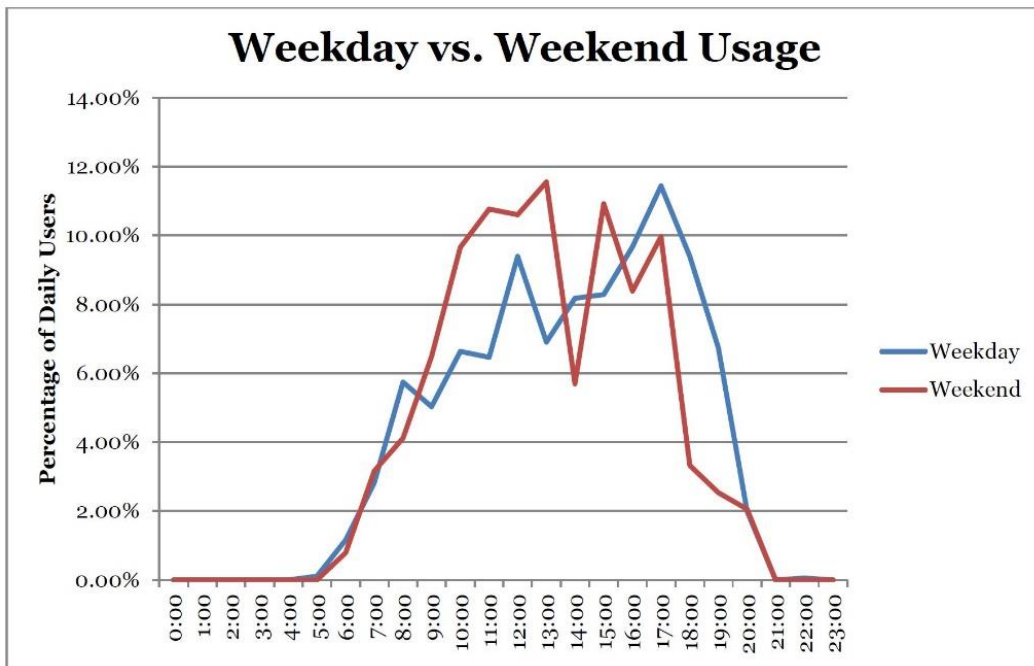
<b>Total Users</b>	<b>3,178</b>
<b>Users/Hour</b>	<b>18.9</b>
<b>Peak 24-Hour Usage</b>	<b>545</b>
<b>Peak Day</b>	<b>Saturday April 20, 2024</b>
<b>Peak 2-Hour Usage Period</b>	<b>170</b>
<b>Peak 2-Hour Date and Time</b>	<b>Monday April 22, 2024 -- 4:00 PM - 6:00 PM</b>

## Patterns of Use

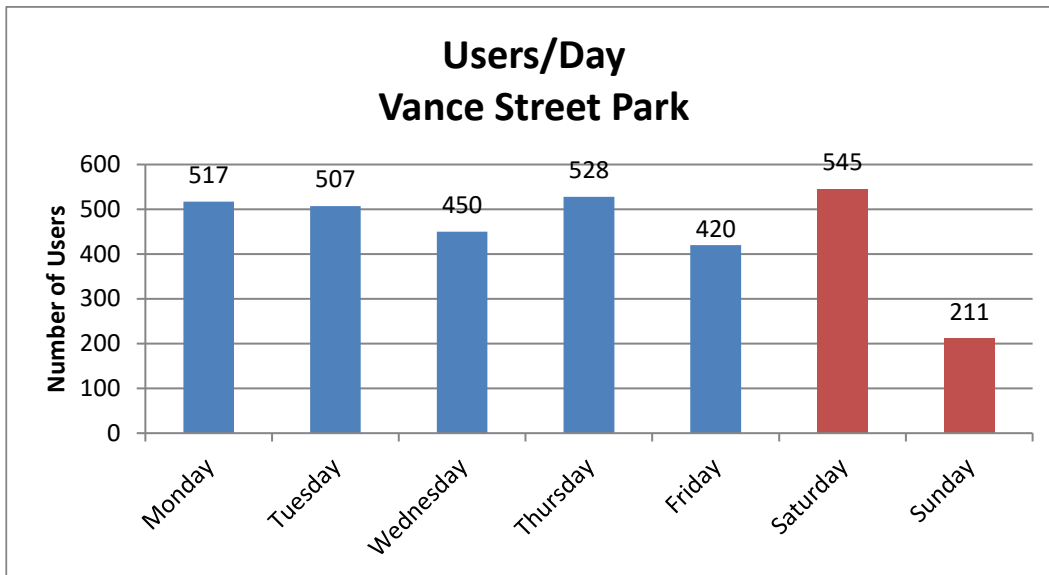
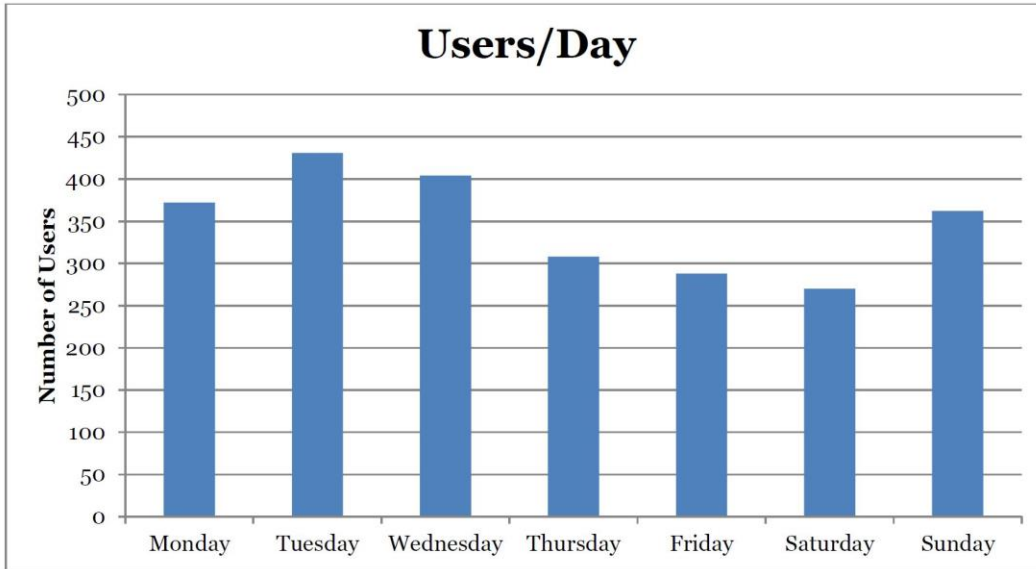
The following chart illustrates the average use of the trail at the location.



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



The third chart shows users/day. The data during 2024 was higher each day, other than Sunday. Sunday this year was cool with light rain.

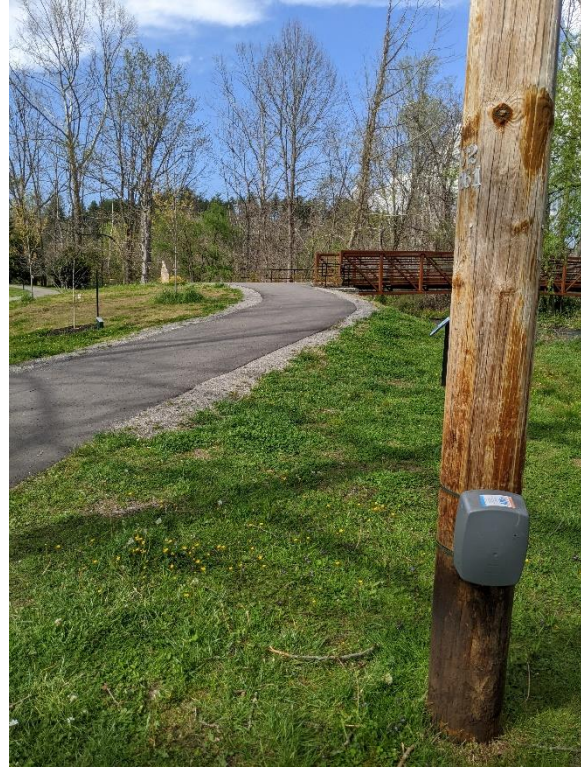




**Notes:**



*Figure 2: Vance Street Park*



*Figure 12: Richland Creek Bridge*

Date	Minimum Temperature (°F)	Maximum Temperature (°F)	Average Temperature (°F)	Precipitation (inches)	Ave. Wind Speed (mph)
4/16/2024	53	82	65.6	0.02	3.1
4/17/2024	59	75	67.1	0	7.7
4/18/2024	51	84	68.8	0	5.3
4/19/2024	57	80	66.6	0	4.1
4/20/2024	57	68	63	0.2	10.5
4/21/2024	45	56	48.6	0.25	8.9
4/22/2024	40	62	49.9	0.21	8.2

<https://www.wunderground.com/history/monthly/us/nc/waynesville/KNCWAYNE109>