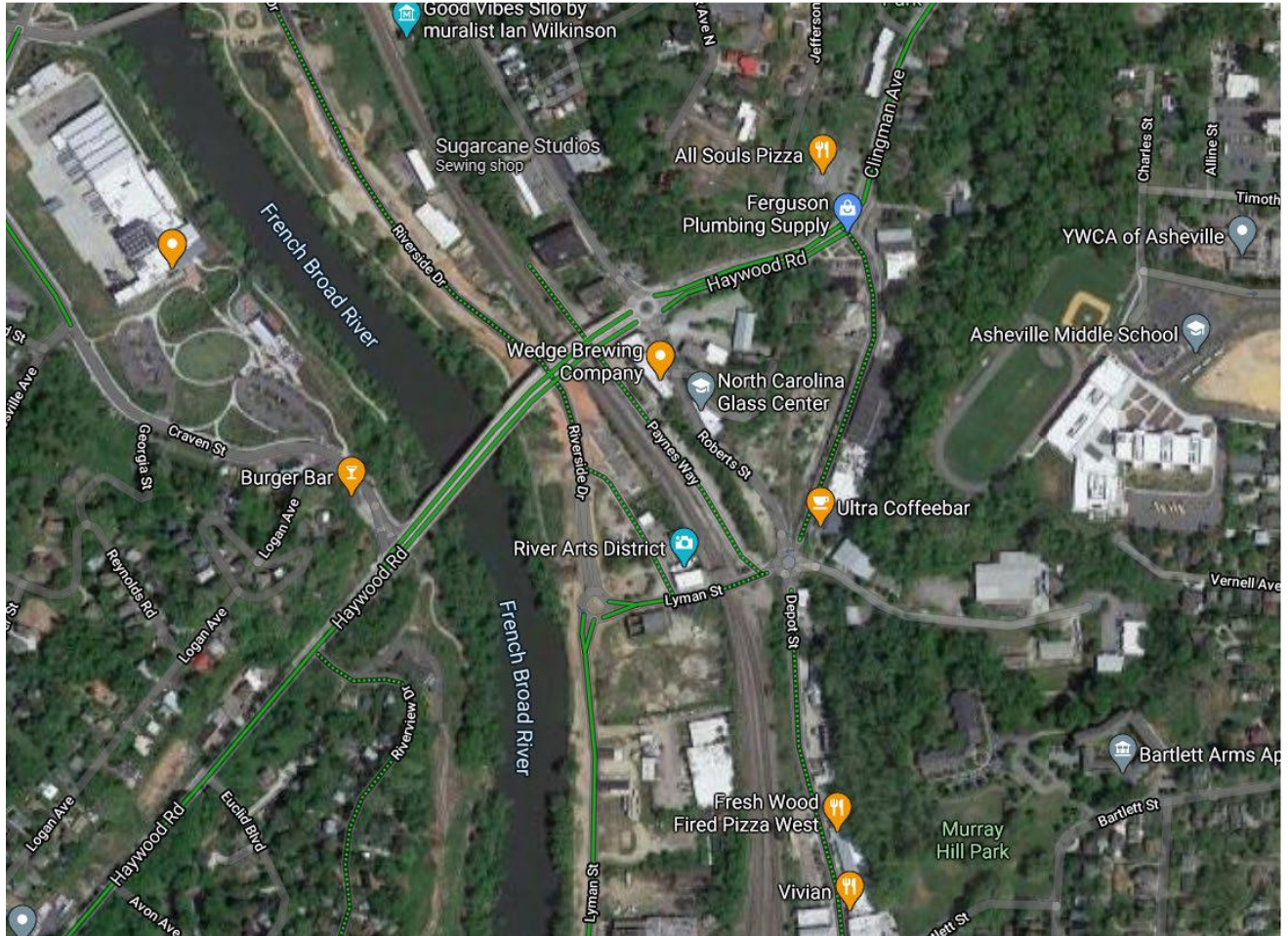


# Asheville – River Arts District Greenway Fall 2020

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**Time Period:** 6 weeks (42 days) between Wednesday, October 21, 2020 – Wednesday, December 2, 2020

**Location:** Newly completed section of greenway near the Riverside Dr/Lyman St roundabout, just south of Haywood Rd.



(Image: Google Maps)

**Equipment:** EcoCounter Pyro Counter, set out on October 20 and retrieved on December 2, 2020.

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:

### River Arts District Greenway - October 27, 2020

<b>Total Users</b>	<b>5,779</b>
<b>Users/Hour</b>	<b>34.4</b>
<b>Peak 24-Hour Usage</b>	<b>964</b>
<b>Peak Day</b>	<b>Thursday October 22, 2020</b>
<b>Peak 2-Hour Usage Period</b>	<b>341</b>
<b>Peak 2-Hour Date and Time</b>	<b>Thursday October 22, 2020 - 2 PM to 4 PM</b>

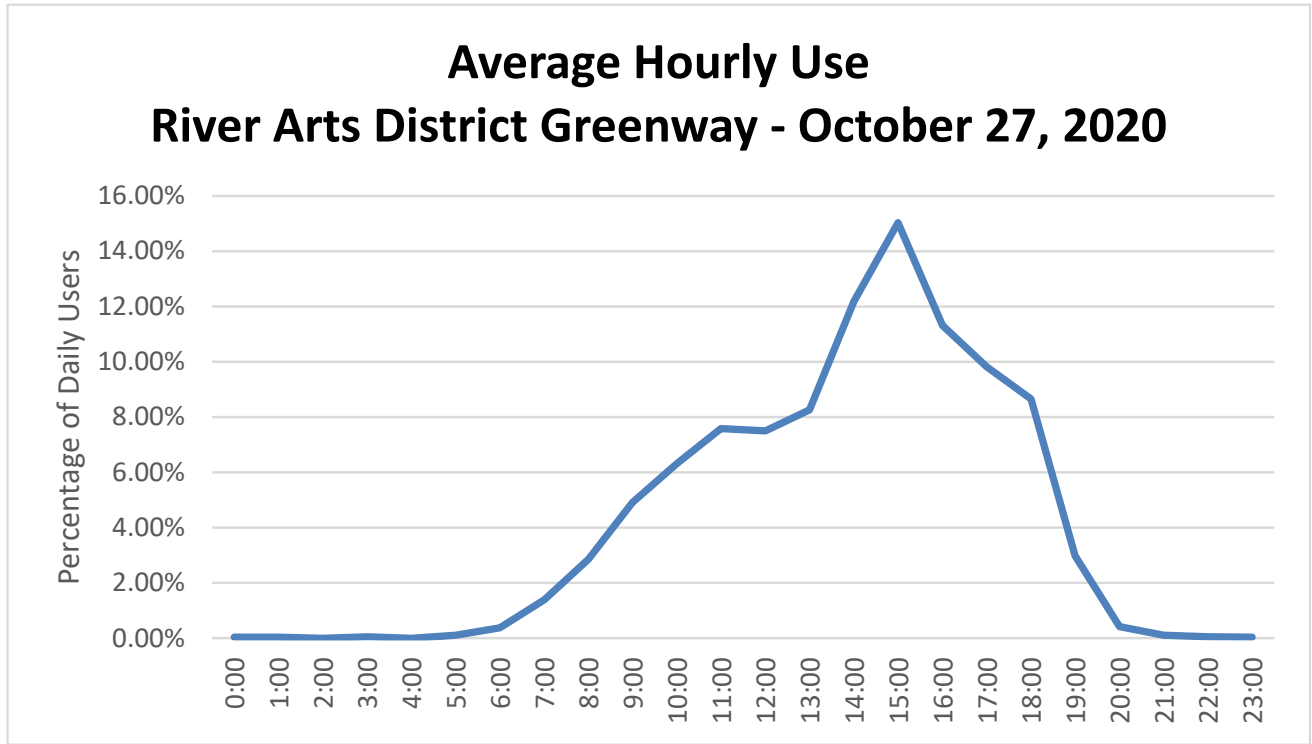
Originally, this report was produced during the Fall of 2020 as a six-week report. This report breaks down the report into six one-week reports. The purpose is to be able to revisit the site and perform comparative studies. The River Arts District Greenway is now called the Wilma Dykeman Greenway.

**Week One: October 21, 2020, through October 27, 2020.** There was elevated usage of the trail on Monday, Thursday, and Saturday. Peak daily activity happened at 3 PM. The temperature ranged from the upper fifties for lows to the upper seventies for highs. There was 0.64 inches of rain on Sunday, which appears to have reduced foot traffic for the day.. The peak overall time was 3 PM. There was a comparable level of two-hour activity on Monday 10/26/2020 with 335 users.

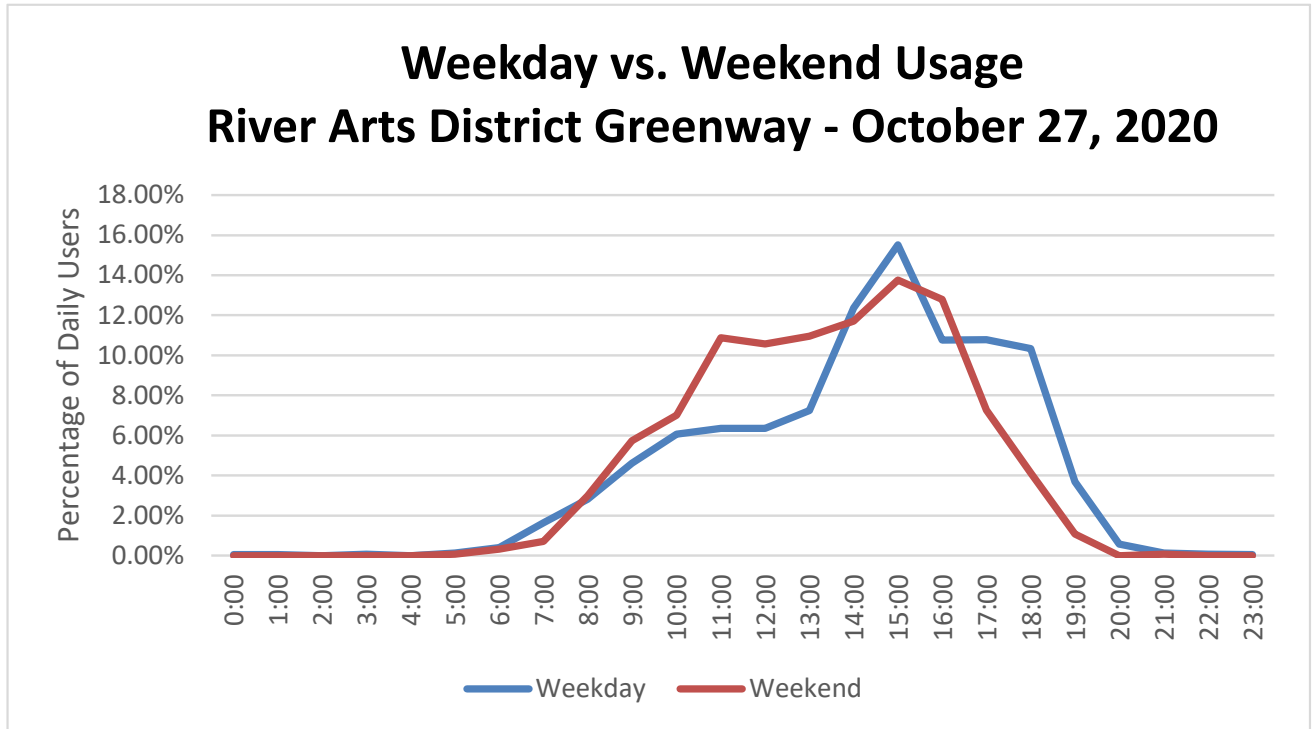
This week had the highest weekly volume of foot traffic. It also had the highest level of daily foot traffic. The 2 Pm to 4 PM period was the busiest period across the six-week study. The days varied as to which were the busiest days or the busiest two-hour periods of time.

## Patterns of Use

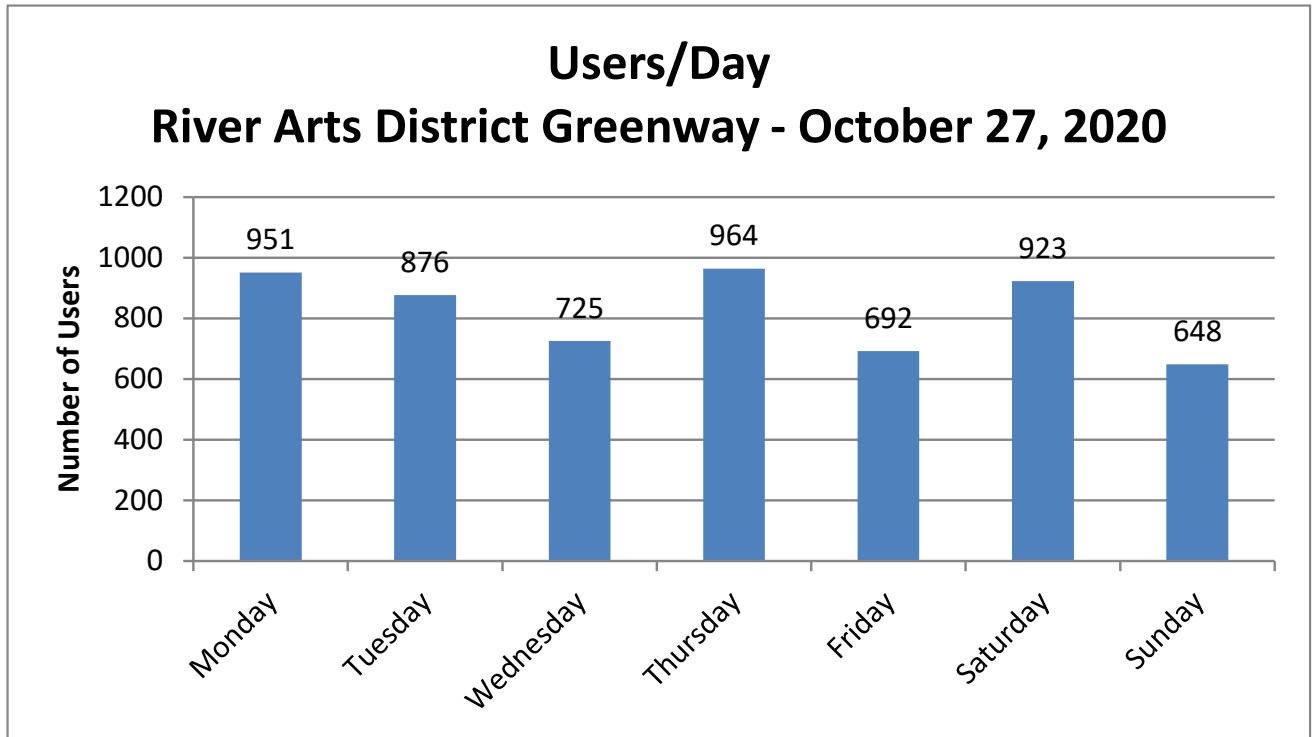
The following chart illustrates the average use of the sidewalk at the count location. This includes both weekday and weekend data and has greater weekday representation.



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



The third chart shows users/day.



**Notes:**

	Minimum Temperature	Maximum Temperature	Average Temperature	Wind	Precipitation
10/21/2020	51	78	60	1.8	0
10/22/2020	53	76	59.4	1.3	0
10/23/2020	55	76	61.7	2.2	0
10/24/2020	54	76	60.5	1.9	0.02
10/25/2020	58	68	62.4	1.9	0.64
10/26/2020	57	72	60.1	3.4	0.09
10/27/2020	56	76	62.1	1.7	0

<https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2020-10>

## Results:

### River Arts District Greenway - Nov. 3, 2020

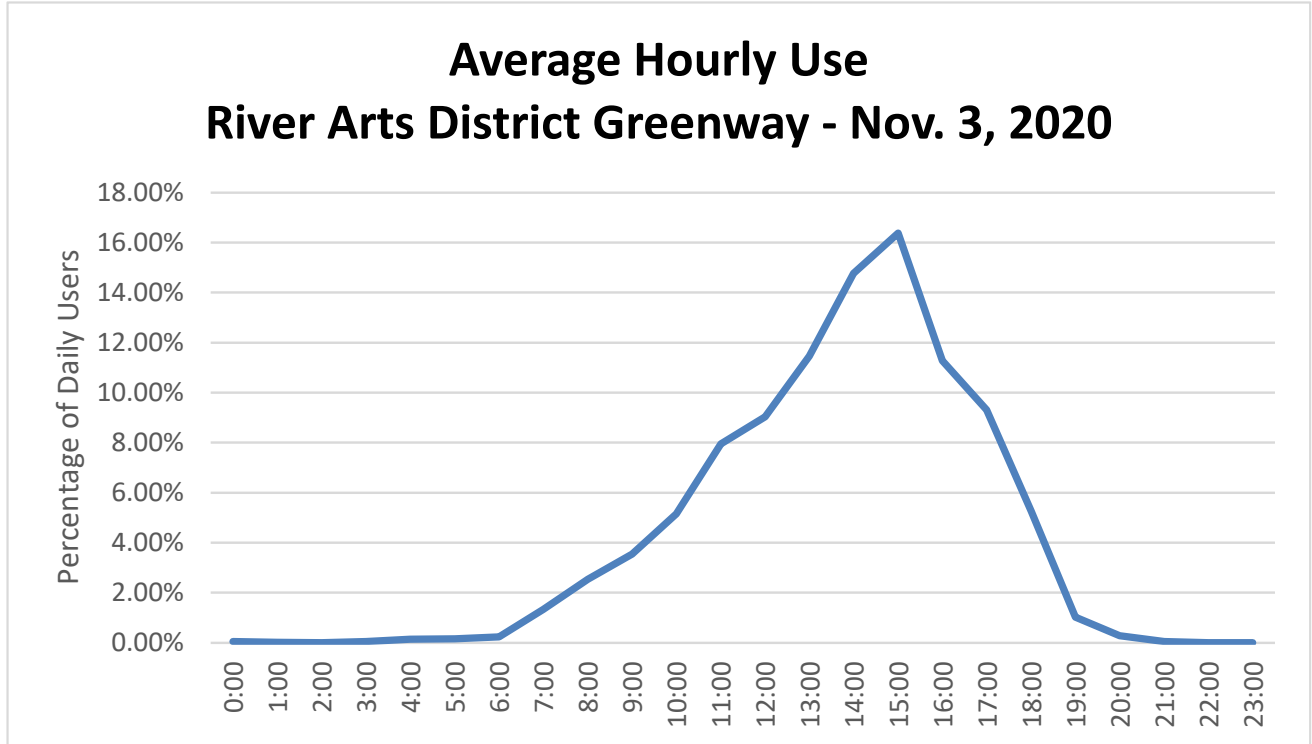
<b>Total Users</b>	<b>4,293</b>
<b>Users/Hour</b>	<b>25.6</b>
<b>Peak 24-Hour Usage</b>	<b>1,018</b>
<b>Peak Day</b>	<b>Sun. November 1, 2020</b>
<b>Peak 2-Hour Usage Period</b>	<b>335</b>
<b>Peak 2-Hour Date and Time</b>	<b>Wed. October 29, 2020 - 3 PM to 5 PM</b>

Originally, this report was produced during the Fall of 2020 as a six-week report. This report breaks down the report into six one-week reports. The purpose is to be able to revisit the site and perform comparative studies. The River Arts District Greenway is now called the Wilma Dykeman Greenway.

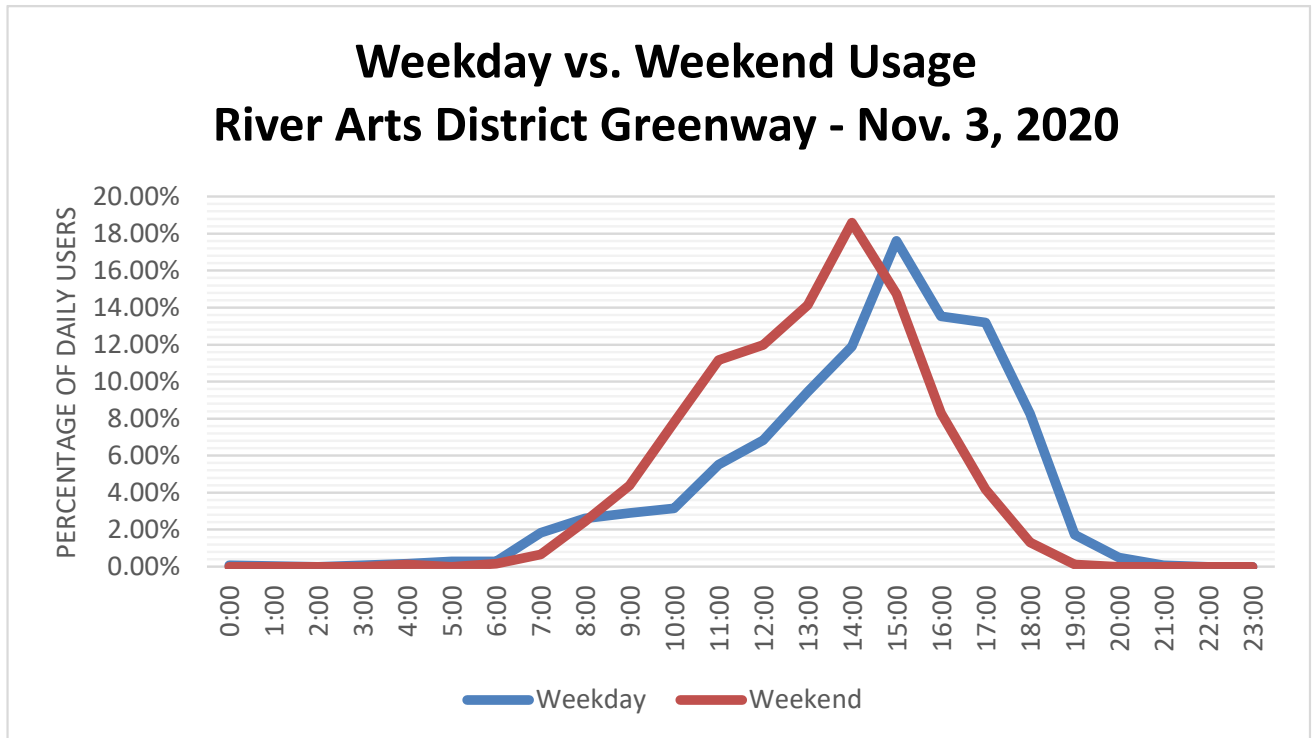
**Week 2: October 28, 2020, through November 3, 2020.** The three busiest days were Monday, Thursday, and Saturday. There was 0.16 inches of rain on Sunday. The weather story of the week was 2.95 inches of rain on Wednesday. The rain impacted trail activity that day. Temperatures varied this week with lows in the low 30s and a high of 81 degrees. While the peak two-hour period happened on Wednesday, a comparable burst of activity happened Sunday between 1 PM and 3 PM when there were 335 greenway users counted.

## Patterns of Use

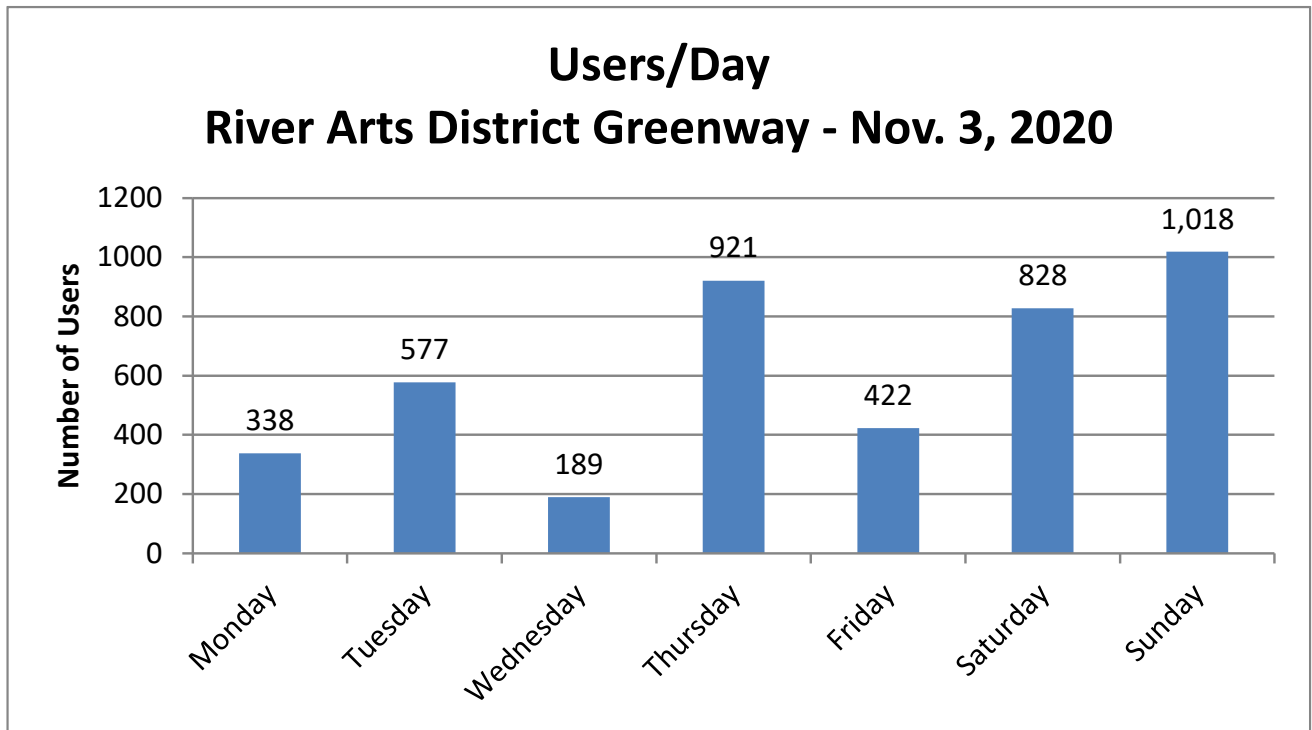
The following chart illustrates the average use of the sidewalk at the count location. This includes both weekday and weekend data and has greater weekday representation.



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



The third chart shows users/day.



**Notes:**

	Minimum Temperature	Maximum Temperature	Average Temperature	Wind	Precipitation
10/28/2020	59	67	64	3.7	0.01
10/29/2020	63	81	69.6	11.3	2.95
10/30/2020	44	58	50.8	14.4	0.31
10/31/2020	36	54	45.5	4.5	0
11/1/2020	40	67	50.3	8.4	0.16
11/2/2020	31	49	38.8	15.1	0
11/3/2020	30	61	44.9	6.5	0
<a href="https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2020-10">https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2020-10</a> <a href="https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2020-11">https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2020-11</a>					

## Results:

### River Arts District Greenway - Nov. 10, 2020

<b>Total Users</b>	<b>5,298</b>
<b>Users/Hour</b>	<b>31.5</b>
<b>Peak 24-Hour Usage</b>	<b>969</b>
<b>Peak Day</b>	<b>Sunday November 8, 2020</b>
<b>Peak 2-Hour Usage Period</b>	<b>332</b>
<b>Peak 2-Hour Date and Time</b>	<b>Tuesday Nov. 10, 2020 - 1 PM to 3 PM</b>

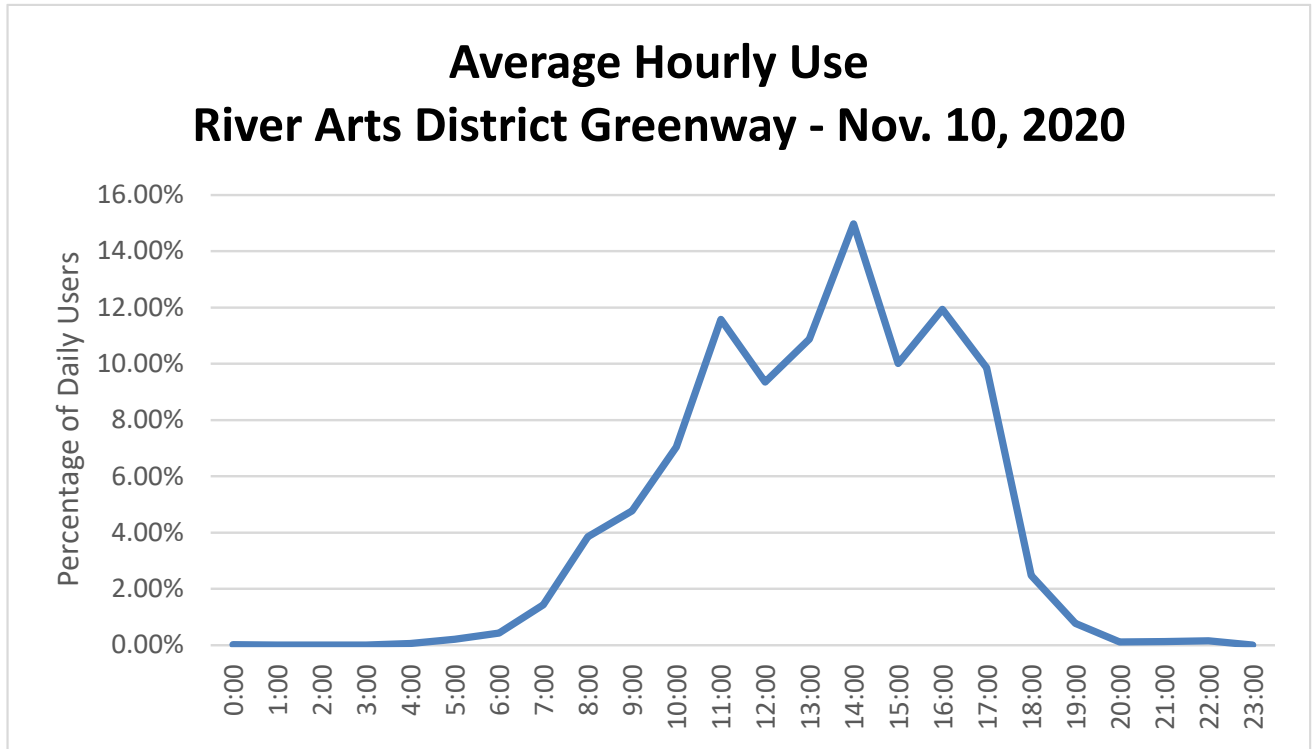
Originally, this report was produced during the Fall of 2020 as a six-week report. This report breaks down the report into six one-week reports. The purpose is to be able to revisit the site and perform comparative studies. The River Arts District Greenway is now called the Wilma Dykeman Greenway.

**Week 3: November 3, 2020, through November 10, 2020.** The peak three days were Sunday, Saturday, and Wednesday. The peak time of usage for the week was 2:00 PM. There was no rain this week, except for 0.02” of rain on Tuesday. The lows were mostly in the thirties and the highs in the upper sixties. In addition to the peak two-hour activity on Tuesday, there were 245 people who accessed the trail on Friday between 2 PM and 4 PM, and another 241 people who used it between 1 PM and 3 PM on Sunday.

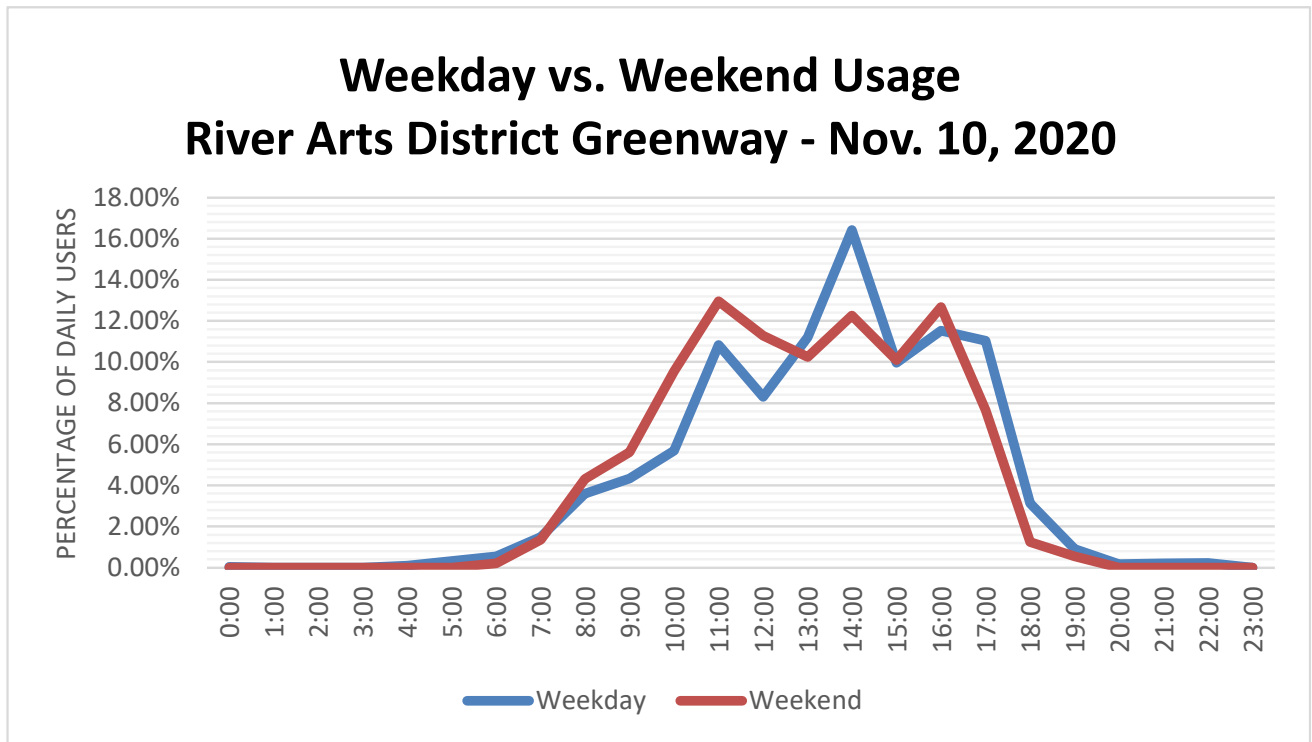
Week three had the second highest weekly volume, second to the first week of the study. Even with having the second highest weekly total volume, week two had the second lowest peak 24-hour period of activity and the third lowest peak two-hour period of activity.



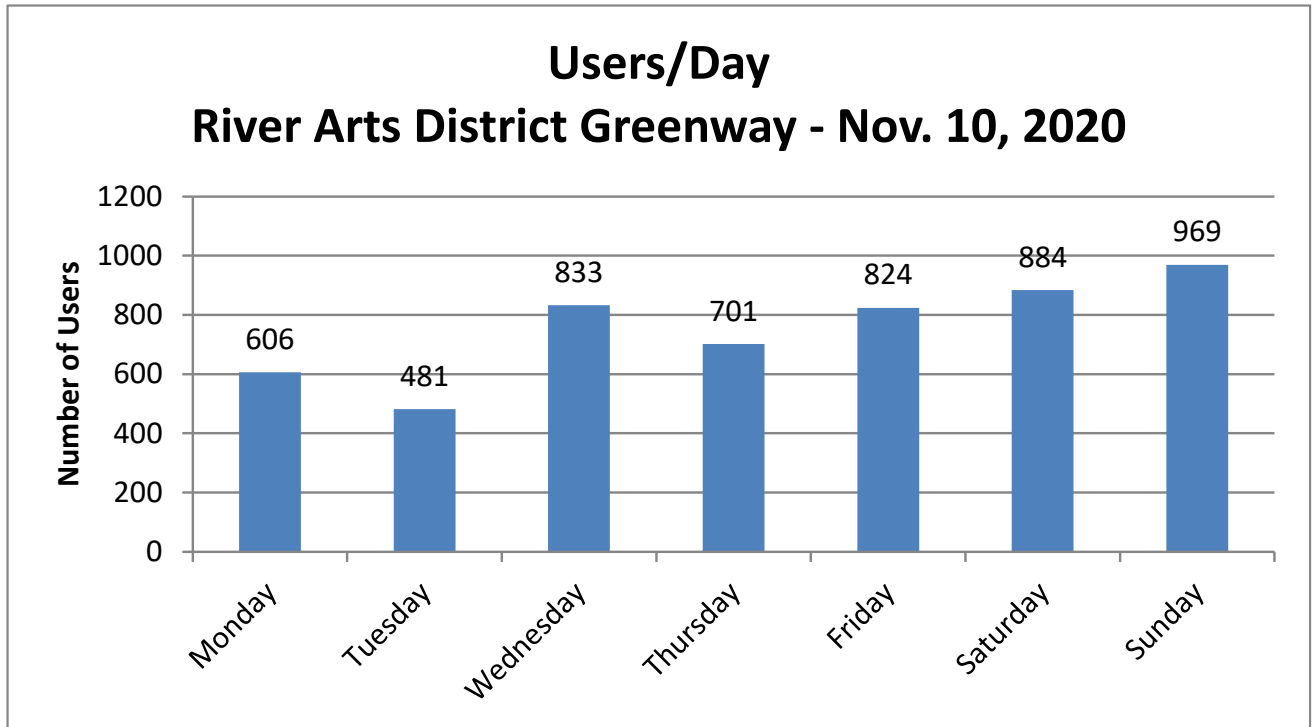
The following chart illustrates the average use of the sidewalk at the count location. This includes both weekday and weekend data and has greater weekday representation.



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



The third chart shows users/day.



**Notes:**

	Minimum Temperature	Maximum Temperature	Average Temperature	Wind	Precipitation
11/4/2020	32	65	47.3	2.3	0
11/5/2020	34	65	48.2	1.4	0
11/6/2020	39	69	52.9	2.2	0
11/7/2020	43	66	54.9	1.8	0
11/8/2020	35	69	N/A	N/A	0
11/9/2020	56	70	61.9	3.2	0
11/10/2020	59	66	62.9	5.4	0.02

<https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2020-11>

## Results:

### River Arts District Greenway - Nov. 17, 2020

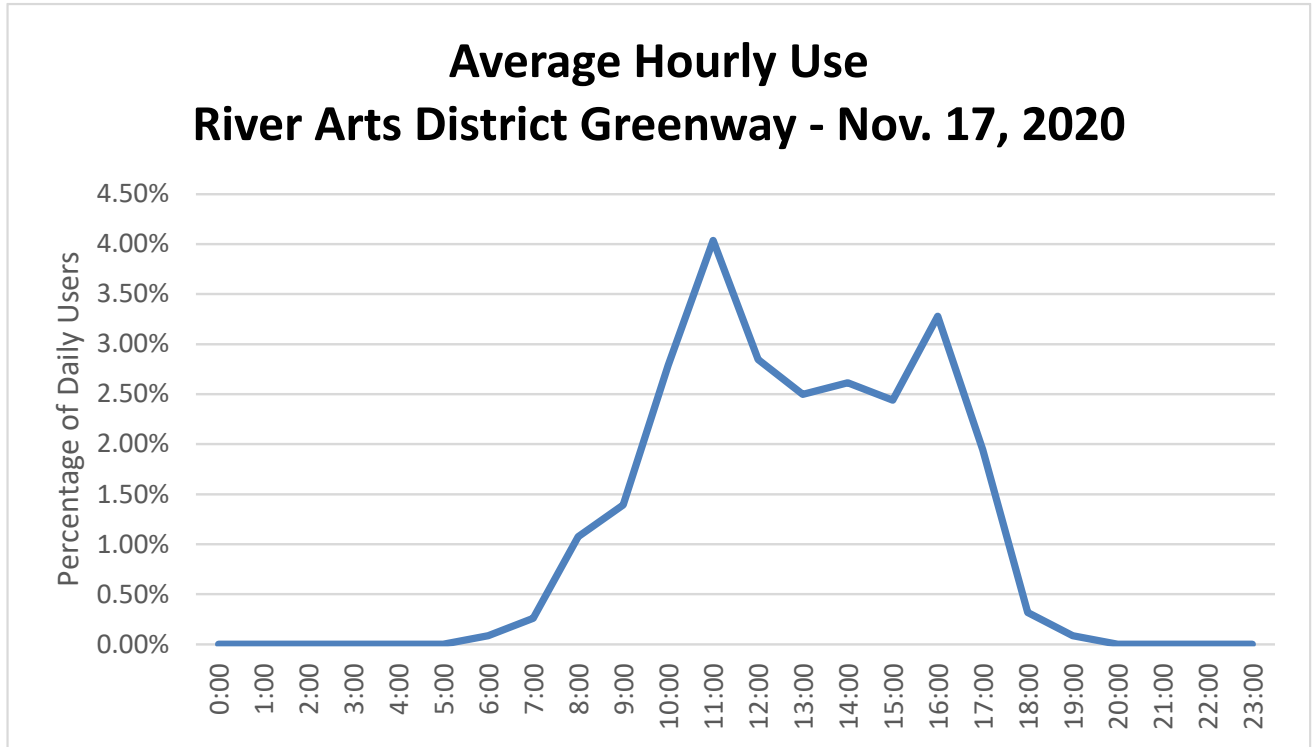
<b>Total Users</b>	<b>4,644</b>
<b>Users/Hour</b>	<b>27.6</b>
<b>Peak 24-Hour Usage</b>	<b>1,072</b>
<b>Peak Day</b>	<b>Saturday November 14, 2020</b>
<b>Peak 2-Hour Usage Period</b>	<b>306</b>
<b>Peak 2-Hour Date and Time</b>	<b>Saturday November 14, 2020 - 2 PM - 4 PM</b>

Originally, this report was produced during the Fall of 2020 as a six-week report. This report breaks down the report into six one-week reports. The purpose is to be able to revisit the site and perform comparative studies. The River Arts District Greenway is now called the Wilma Dykeman Greenway.

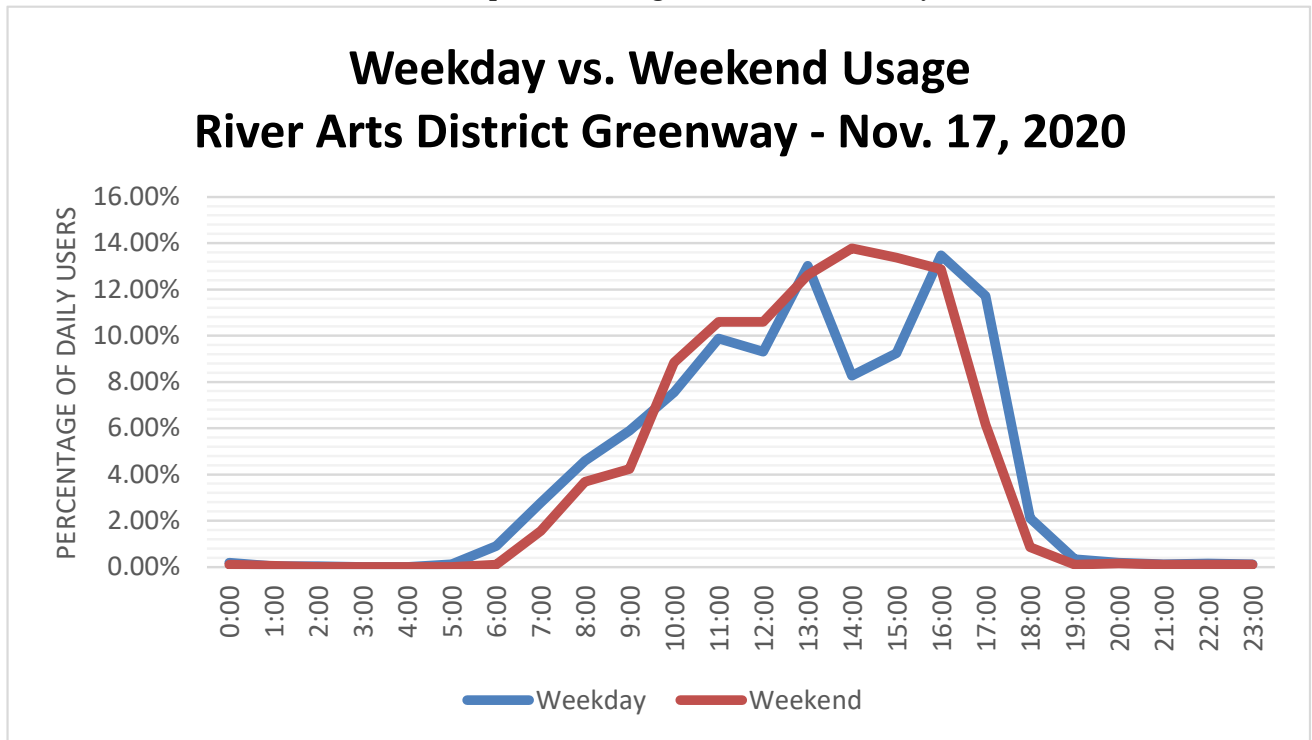
**Week 4: November 11, 2020, through November 17, 2020.** This week there was a major peak at 11 Am and a secondary peak at 4 PM. The three busiest days were Friday, Saturday, and Sunday. There was rain on Wednesday and Thursday, and cool temperatures on Monday and Tuesday. Sunday saw consistent traffic between 11 AM and 5 PM. One of the top five busiest one-hour periods of the week was Wednesday between 1 PM and 2 PM.

## Patterns of Use

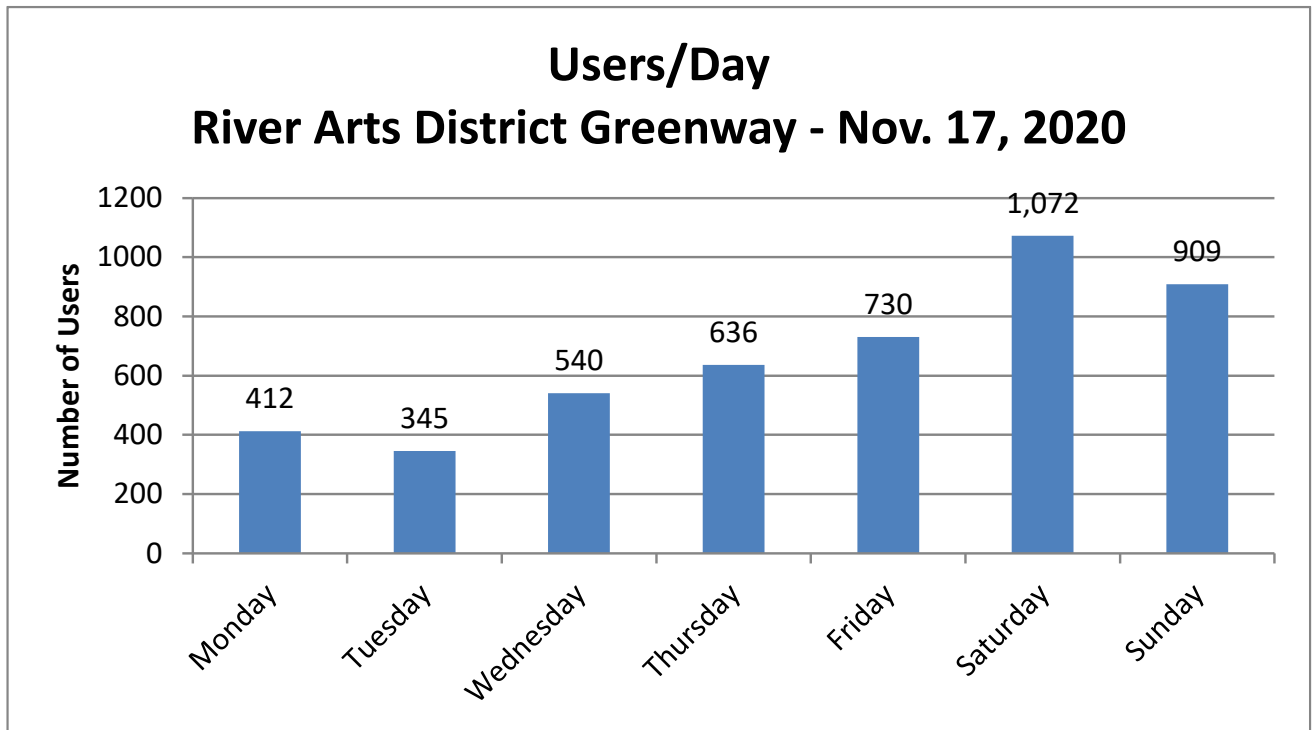
The following chart illustrates the average use of the sidewalk at the count location. This includes both weekday and weekend data and has greater weekday representation.



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



The third chart shows users/day.



**Notes:**

	Minimum Temperature	Maximum Temperature	Average Temperature	Wind	Precipitation
11/11/2020	64	72	67.1	3.8	0.75
11/12/2020	59	72	64.5	7.6	1.17
11/13/2020	45	68	58.2	7.6	0
11/14/2020	38	64	50.8	4.8	0
11/15/2020	47	67	53.5	8.5	0
11/16/2020	34	55	45.3	11.9	0
11/17/2020	29	53	41	9.7	0

<https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2020-11>

## Results:

### River Arts District Greenway - Nov. 24, 2020

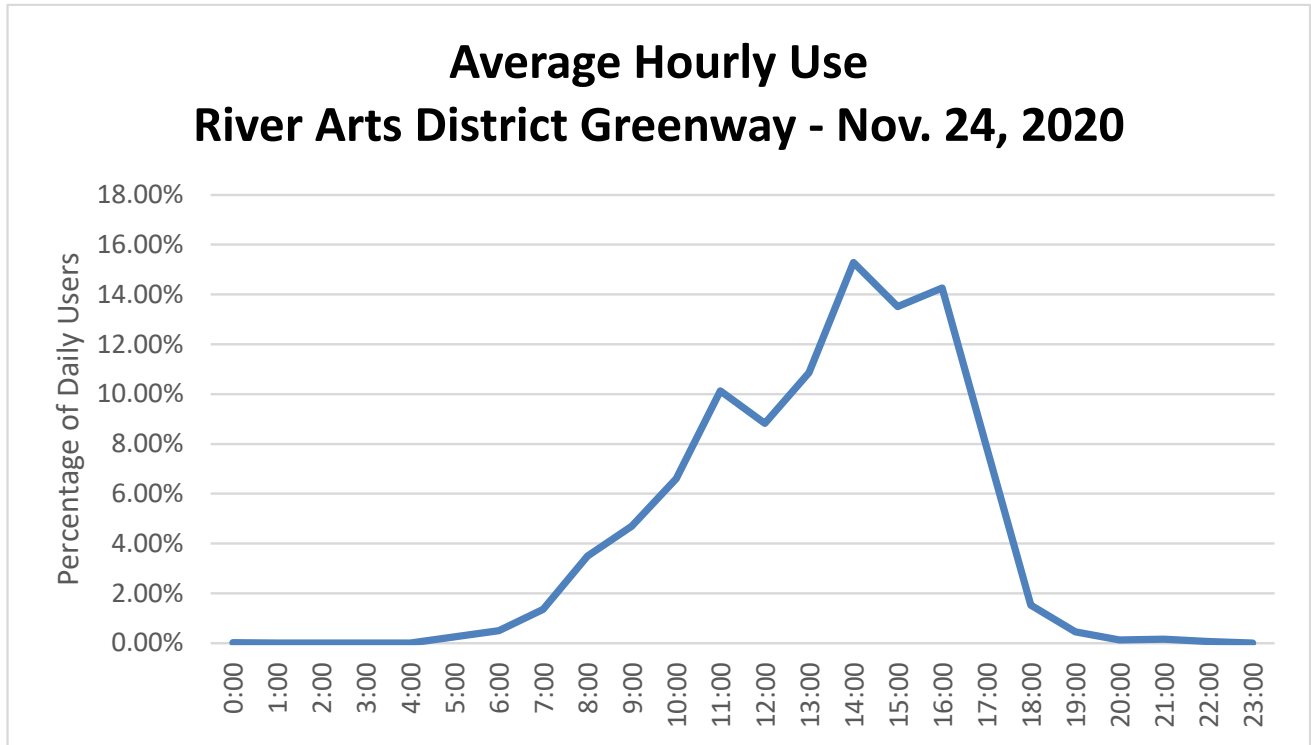
<b>Total Users</b>	<b>4,669</b>
<b>Users/Hour</b>	<b>27.8</b>
<b>Peak 24-Hour Usage</b>	<b>1,209</b>
<b>Peak Day</b>	<b>Saturday November 21, 2020</b>
<b>Peak 2-Hour Usage Period</b>	<b>358</b>
<b>Peak 2-Hour Date and Time</b>	<b>Saturday Nov. 21, 2020 - 2 PM to 4 PM</b>

Originally, this report was produced during the Fall of 2020 as a six-week report. This report breaks down the report into six one-week reports. The purpose is to be able to revisit the site and perform comparative studies. The River Arts District Greenway is now called the Wilma Dykeman Greenway.

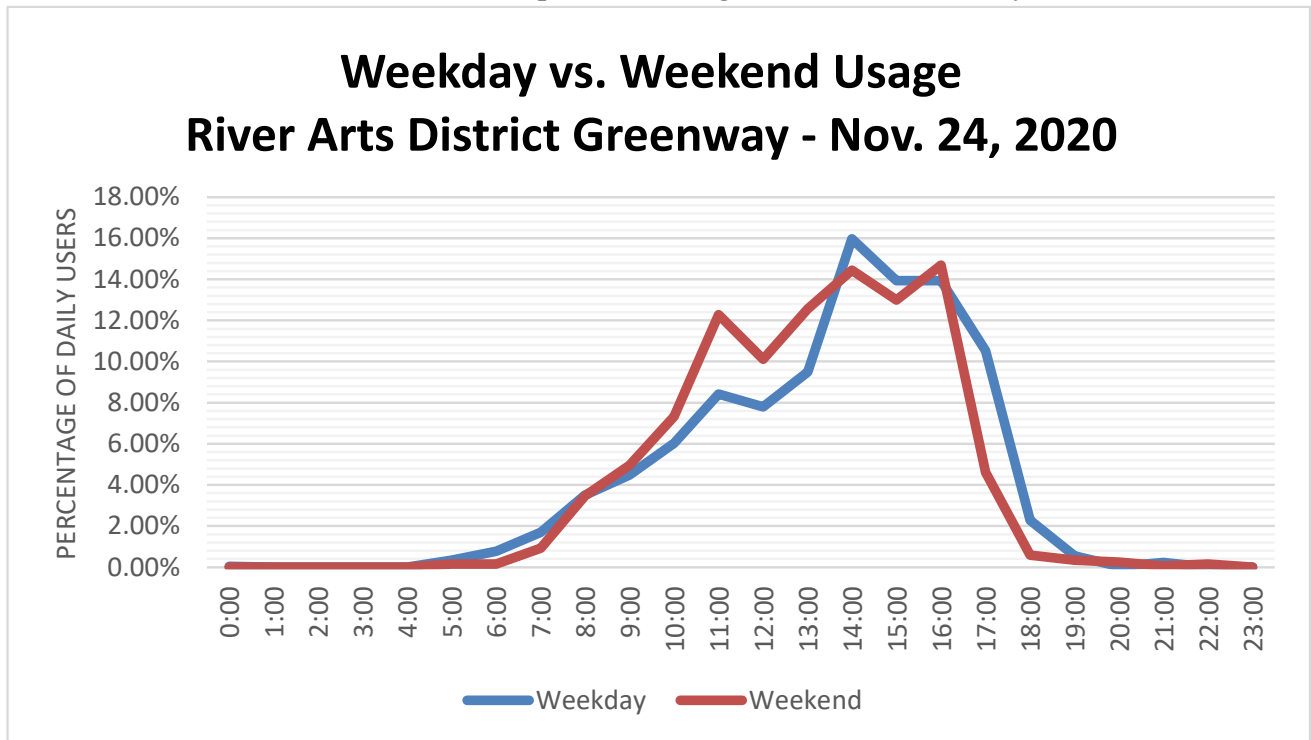
**Week 5: November 18, 2020, through November 24, 2020 (Thanksgiving Week.)** The Monday and Tuesday after Thanksgiving, and the Wednesday prior to Thanksgiving, were very slow. The busiest days this week were Saturday, Sunday, and Friday. The peak time of day for activity was 2 PM, followed by 4 PM and 11 AM. There was “no rain” this week. Temperatures were consistently cool from the upper twenties and low thirties to the mid and upper sixties. There was a discernable drop in activity after 4 PM this week.

It is important to note that this week the peak day traffic was the best for the six-week period. It is also interesting to note that this one-week period had the highest two-hour period of activity. This happened even though two other seven-day periods had higher total volumes for the week.

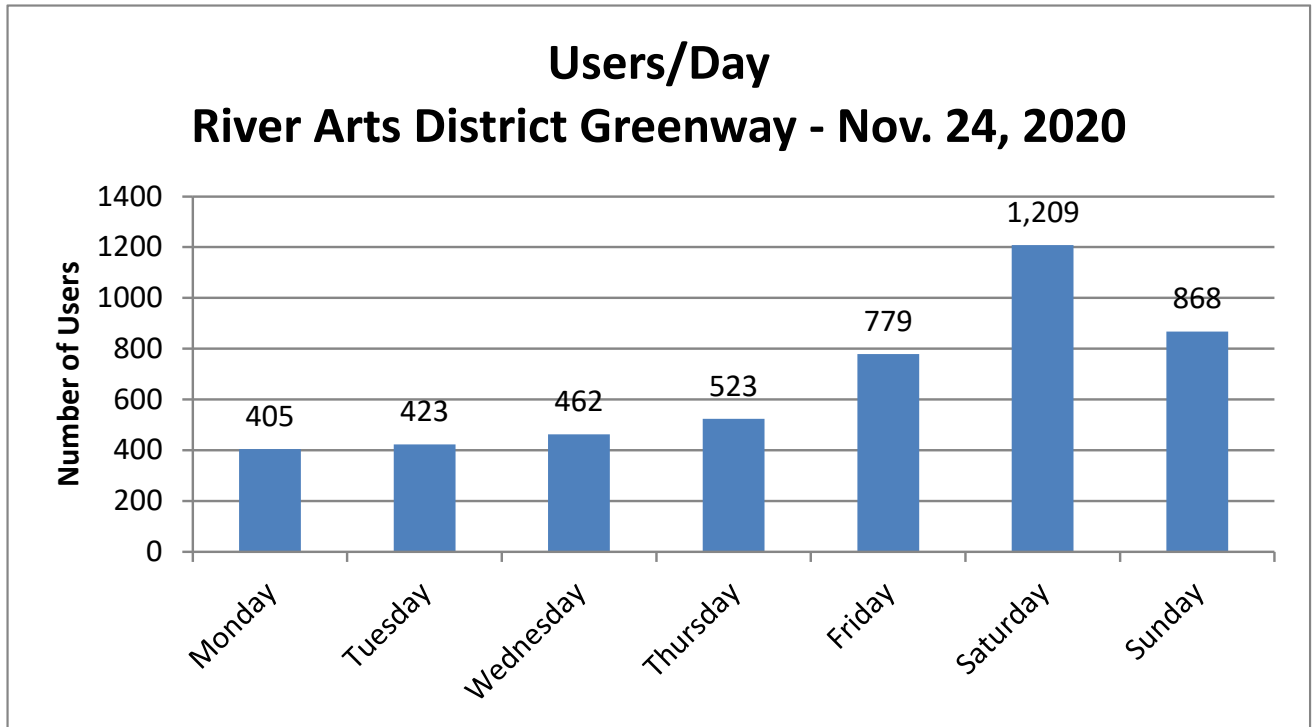
The following chart illustrates the average use of the sidewalk at the count location. This includes both weekday and weekend data and has greater weekday representation.



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



The third chart shows users/day.



**Notes:**

	Minimum Temperature	Maximum Temperature	Average Temperature	Wind	Precipitation
11/18/2020	30	69	40.4	9.2	0
11/19/2020	28	64	41.6	4	0
11/20/2020	30	52	46.7	1.8	0
11/21/2020	35	50	49.8	2.2	0
11/22/2020	38	54	50.1	4.1	0
11/23/2020	36	69	45.1	15.4	0.01
11/24/2020	28	63	39.2	6.3	0

<https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2020-11>



## Results:

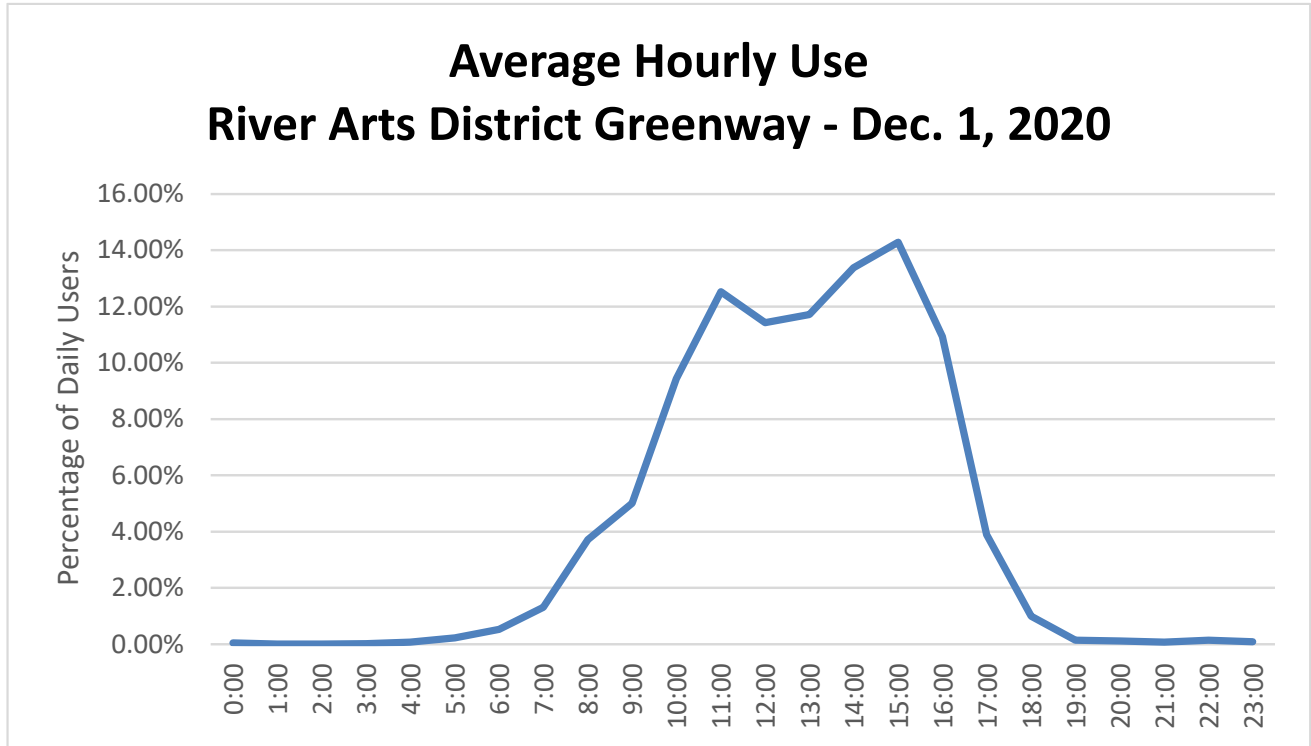
### River Arts District Greenway - Dec. 1, 2020

<b>Total Users</b>	<b>4,440</b>
<b>Users/Hour</b>	<b>26.4</b>
<b>Peak 24-Hour Usage</b>	<b>1,091</b>
<b>Peak Day</b>	<b>Thursday November 26, 2020</b>
<b>Peak 2-Hour Usage Period</b>	<b>341</b>
<b>Peak 2-Hour Date and Time</b>	<b>Thursday Nov. 26, 2020 - 2 PM to 4 PM</b>

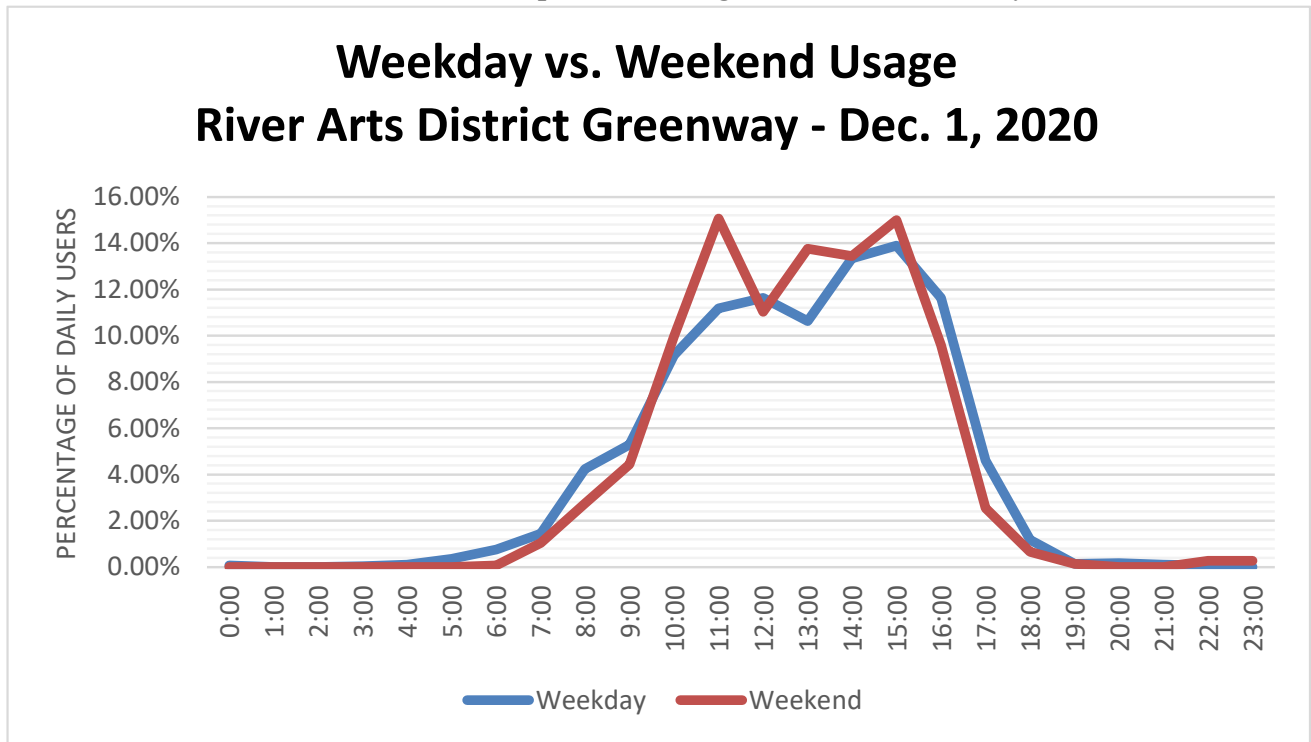
Originally, this report was produced during the Fall of 2020 as a six-week report. This report breaks down the report into six one-week reports. The purpose is to be able to revisit the site and perform comparative studies. The River Arts District Greenway is now called the Wilma Dykeman Greenway.

**Week 6: November 25, 2020, through December 1, 2020.** This was the slowest week for the weekly total of users of the six-week study. This week had the second highest peak day of the study. This week also recorded the third best 2-hour cycle. Thursday was wet and Friday, Saturday and Sunday were dry days, whereas Saturday and Sunday were wet. Considering how unseasonably warm the weather was on Tuesday we could have recorded higher activity than we did record.

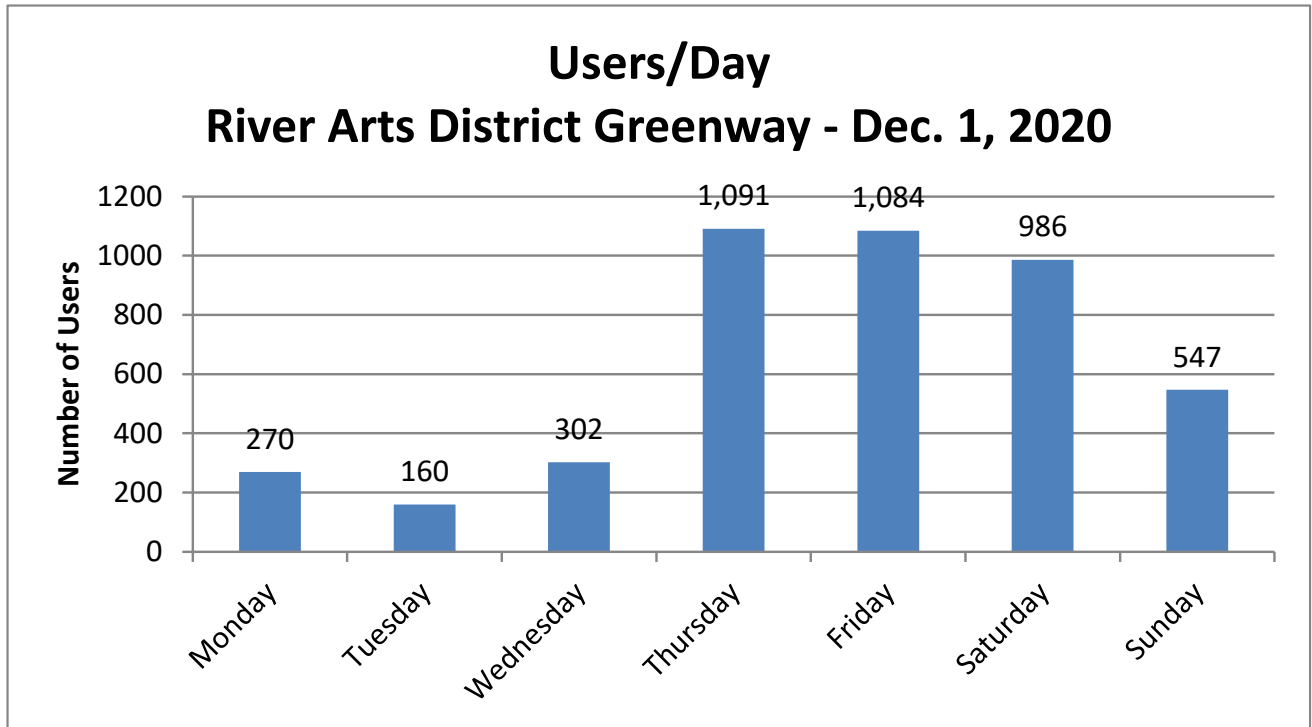
The following chart illustrates the average use of the sidewalk at the count location. This includes both weekday and weekend data and has greater weekday representation.



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



The third chart shows users/day.



**Notes:**

	Minimum Temperature	Maximum Temperature	Average Temperature	Wind	Precipitation
11/25/2020	42	54	49.5	6.3	0
11/26/2020	43	69	55	3.6	0.59
11/27/2020	33	63	43.4	1.4	0
11/28/2020	38	62	51.9	7.5	0.03
11/29/2020	34	54	44.9	4.4	0
11/30/2020	32	47	43.4	9.6	0.86
12/1/2020	68	79	72.1	4.1	0.36
<a href="https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2020-11">https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2020-11</a>					
<a href="https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2020-12">https://www.wunderground.com/history/monthly/us/nc/fletcher/KAVL/date/2020-12</a>					

## Conclusion:

The original report examined traffic on the new River Arts District Greenway, now called the Wilma Dykeman Greenway, over the course of a six-week period. This report examined the individual one week periods and found that while the weekends were the busiest period, in general, that weekday activity was solid through the study. The metric of a busy day did not always result in a busy week. A busy two-hour period did not necessarily result in a busy day. The busiest week for users was the first week of the survey, while the busiest two-hour period of activity was during the fifth week, that of Thanksgiving. The week with the highest level of weekly activity, the first week of the study, also had the lowest peak daily rate, week one. Examining the finer data allows for future surveys during the Fall of the year, without necessarily having to replicate a six-week study.