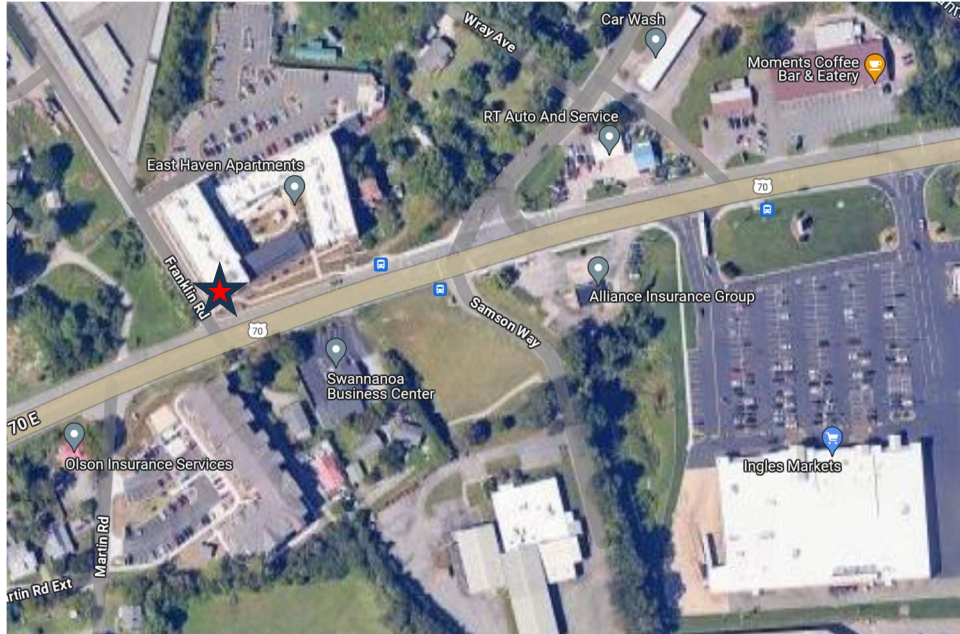


Swannanoa – Franklin Rd and US-70 Pedestrian Count

Time Period: Tuesday March 19, 2024, to Monday March 25, 2024.

Location: East Haven Apartments #587 east of Franklin Road at US-70



(Image: Google Maps)

Equipment: EcoCounter Pyro Counter. Placed 3/18/2024 and retrieved 3/27/2024. RPO 1 Counter was mounted on a telephone pole on the north side of the road, along a sidewalk, just west of bus stop #587.

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.

Results

This study was done prior to sidewalks being built along US-70 between Warren Wilson Rd and Franklin Road. There is a bus stop, #563 on the ART [170 Route](#). It is also a bus stop for the [Black Mountain Trail Blazer](#). The spikes in activity coincide with bus departures.

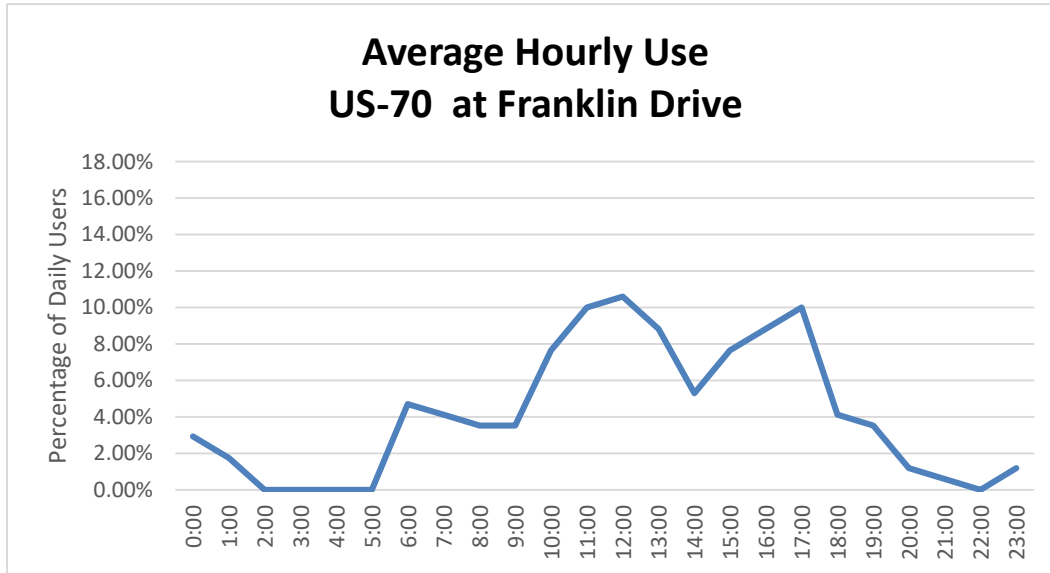
There are desire lines on each side of the road, the eastbound side, and the westbound side, in both directions, with the lines running up to the curb. Parts of the lines go under signs or around signs. This location had nearly triple the amount of activity as was recorded last week at the [US-70 and Warren Wilson Location](#). The Warren Wilson location had 62 passersby and a peak daily usage of 16, with a peak 2-hour usage of nine pedestrians. The Franklin location had two instances of nine passersby during a two-hour window, peak daily usage of 32, and overall, 170 passersby during the week.

US-70 at Franklin Drive

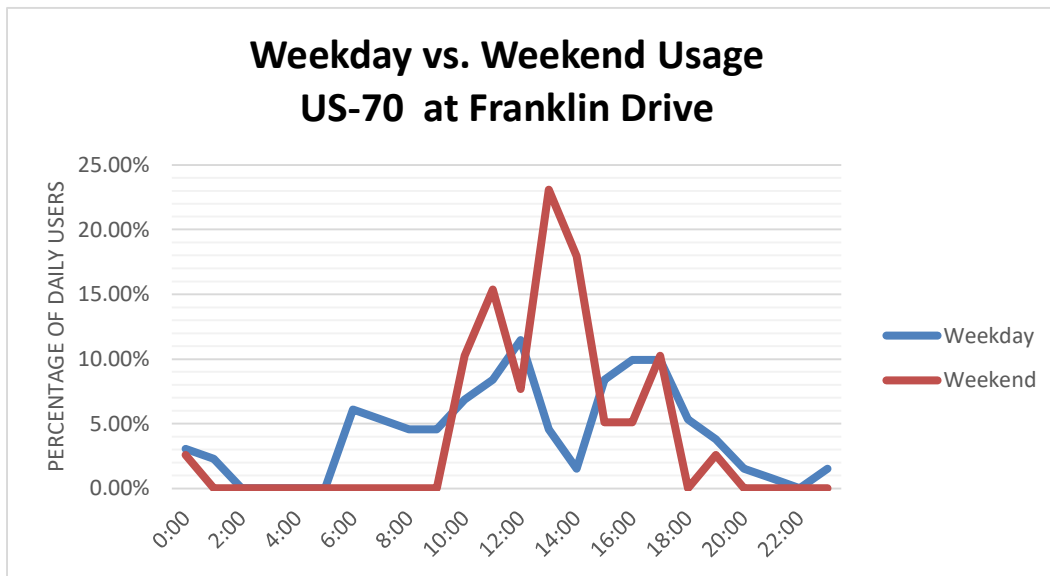
Total Users	170
Users/Hour	1.0
Peak 24-Hour Usage	32
Peak Day	Monday, March 25, 2024
Peak 2-Hour Usage Period	9
Peak 2-Hour Date and Time	11 Am to 1 PM - March 20/March 25, 2024

Patterns of Use

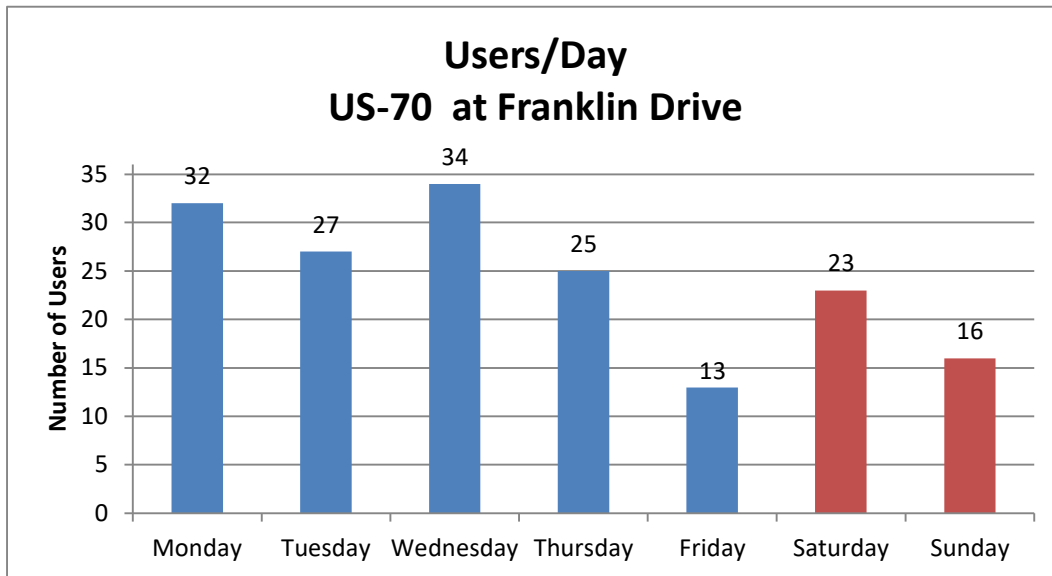
The following chart illustrates the average use of the sidewalk at the location. The frequency of stops at the bus stop appears to directly impact the data. Monday morning there were six passersby between Midnight and 2 AM



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



The third chart shows users/day. There was rain on Sunday. The rain on Saturday did not impact the activity out front as much as may have been anticipated. Sunday was almost the lowest day for activity. This is to be expected when there is no bus service on Sunday.



Notes:

The [ART Bust Route 170](#) travels this route, stopping on the 0:40 every two hours. (This matches well with the data from the website that shows a bus stop east of this location with pick-up times on the 0:33, starting at roughly 6:40 at this location and running until 8:40 PM. There is no 6:40 AM pick-up on Sunday. The bus Stop across the street, #552, stops on the hour, every two hours. There is a [Black Mountain Trailblazer route](#) that stops at this location at 11:55 AM and 7:55 PM.

Date	Minimum Temperature	Maximum Temperature	Average Temperature	Precipitation	Ave. Wind Speed
3/19/2024	26	59	40.4	0	7.6
3/20/2024	34	69	51.9	0	7.6
3/21/2024	39	69	54.7	0	6.5
3/22/2024	44	59	50.6	0	5.2
3/23/2024	39	58	50.8	1.01	12.8
3/24/2024	33	59	46.1	0	8.3
3/25/2024	0	55	44.9	0	9.4

<https://www.wunderground.com/history/monthly/KNCSWANN56>



