



Introduction

At the request of Manchester Moves, SNHPC utilized infrared pedestrian counters to gather cyclist/pedestrian data on three rail trails in Manchester, NH. The counters were installed on each trail for a period of 12 days. Referred to as a "short duration count", this type of count provides a snapshot in time of trail usage.

Many factors can affect trail usage including, but not limited to, weather, special events, and construction/road closures.

Summary

The **South Manchester Rail Trail** has the potential to be an important alternative transportation connection for accessing the South Willow St. commercial corridor. The trail currently terminates at South Beech St to the north and Gold St. to the south. The City of Manchester plans to complete the trail from Frontage Rd. to the Derry Town Line with construction beginning in Spring 2023.

Pedestrian/cyclist data was successfully collected at two locations on the trail: near the Beech St. crossing and at Gold St. A third counter was placed near Mystic Ave. but was damaged by vandals three days into the study.

The **Piscataquog Trail** was the most popular trail in this study, and is also the most complete. Data was collected at two locations: West of South Main St. and near the Singer Bridge. A third counter was set up at Douglas St. but did not collect useable data. The Singer Bridge, which connects Manchester to Goffstown, had an average of 377.5 users per day.

For the portion of trail included in this study, parking is available at Line Dr., Thibault Field, West Side Ice Arena, and Electric St. boat launch. There are two MTA bus stops near the trail- one at the Elliot at Rivers Edge and the second at South Main St. and Winter. The trail passes through residential areas. Destinations/attractions along it include Northeast Delta Dental Stadium, Thibault Field, and the West Side Ice Arena.

Manchester Rail Trail Study

April-June 2022

PREPARED FOR
MANCHESTER MOVES

BY THE SOUTHERN NEW
HAMPSHIRE PLANNING
COMMISSION





Summary cont.

This trail currently terminates at Line Dr. and Sundial Ave. in Manchester. The City of Manchester is planning to connect the trail from Sundial Ave. to the South Manchester Rail Trail. The planned South Commercial St. extension to Elm St. and Queen City Ave. will also increase access to the trail.

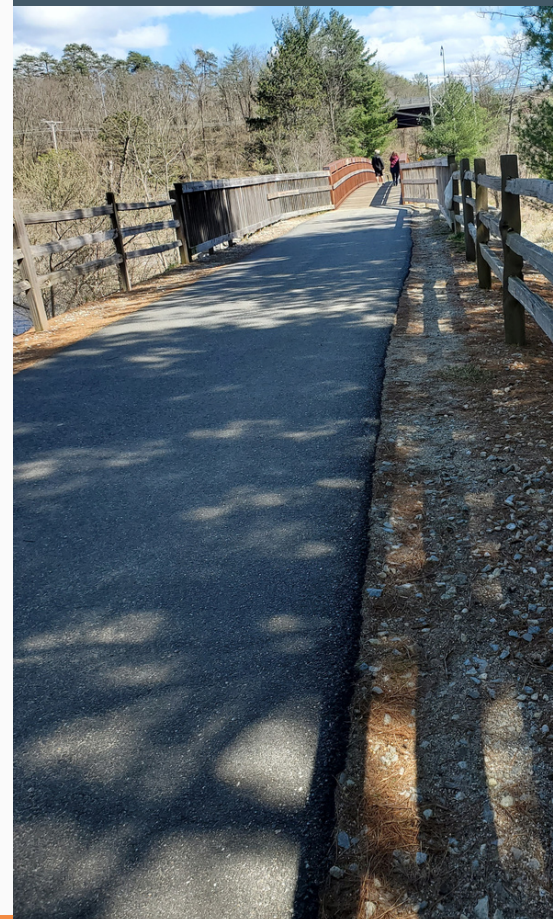
In 2020, The City of Manchester expanded the **Rockingham Rail Trail** by 2.7 miles. In Manchester, the trail now terminates at Mammoth Rd. Pedestrian/cyclist data was successfully collected at two locations on the trail: west of Lake Shore Rd. and east of I-93. A third counter was set up at Mammoth Rd., but did not provide useable data. A manual count was performed at Mammoth Rd. by SNHPC staff on Tuesday, June 7, and is included at the end of this report.

For the portion of trail included in this study, parking is available at Mammoth Rd. and off of the Londonderry Turnpike. There are three MTA bus stops near the trail: at Mammoth Rd., Candia Rd. & Proctor, and Candia Rd. & Lake Shore. The trail passes through residential areas and can be used to access a shopping plaza with grocery store, a performing arts theatre, a beauty salon, restaurants, and a number of other businesses/places of work.

Manchester Rail Trail Study

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MANCHESTER MOVES

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HAMPSHIRE PLANNING
COMMISSION



SOUTH MANCHESTER RAIL TRAIL (SMRT)

Pedestrian and Bicycle Count Summary
May 28-June 8, 2022



SMRT Near Beech St Crossing

2,651

Total Traffic for the Period Analyzed

9.2

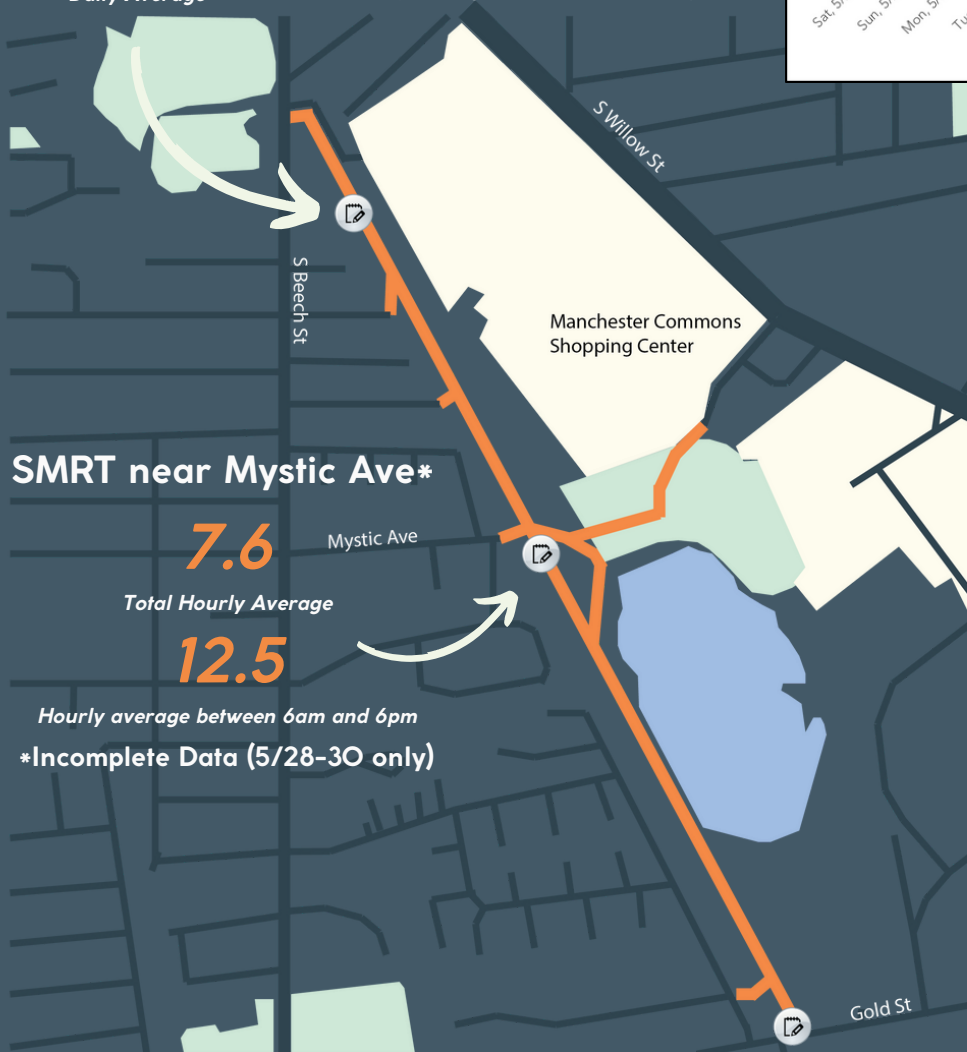
Total Hourly Average

220.9

Daily Average

6.7

Hourly average between 6am and 6pm



SMRT near Mystic Ave*

7.6

Total Hourly Average

12.5

Hourly average between 6am and 6pm

*Incomplete Data (5/28-30 only)

SMRT at Gold St

2,058

Total Traffic for the Period Analyzed

7.1

Total Hourly Average

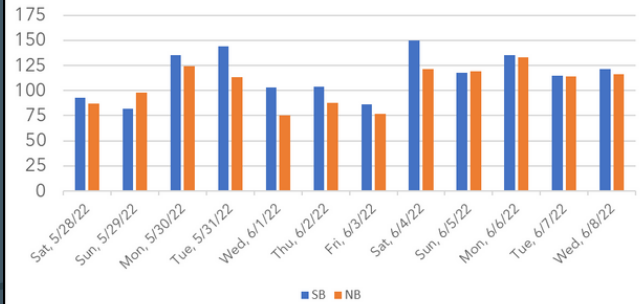
171.5

Daily Average

5.3

Hourly average between 6am and 6pm

Daily Totals



Within one mile of the trail...

21,600
residents

6,600
minority residents

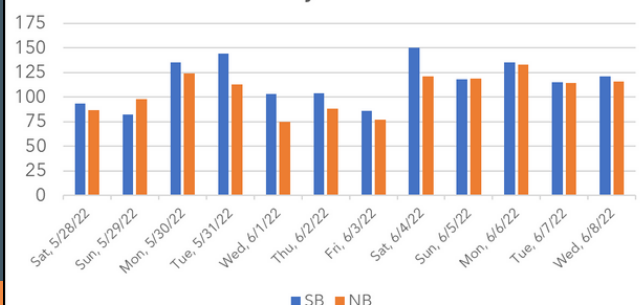
6,600
people under age 18

9,000
housing units

14,600
jobs

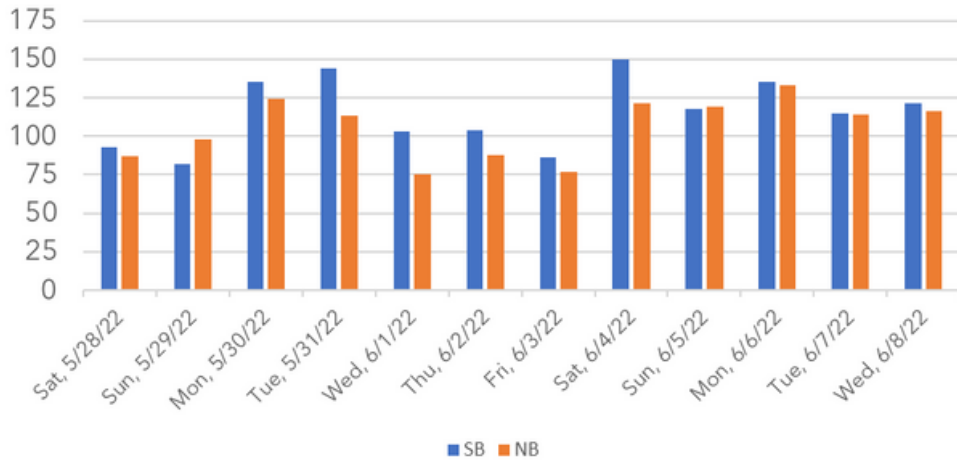
Source: NHDOT, U.S. Census Bureau

Daily Totals



T-030 S. MANCHESTER RT NEAR S. BEECH ST XING

Daily Totals



**MAY 28 - JUNE 8,
2022**



COUNT SUMMARY

2,651

Total Traffic for the Period Analyzed

220.9

Daily Average

9.2

Total Hourly Average

6.7

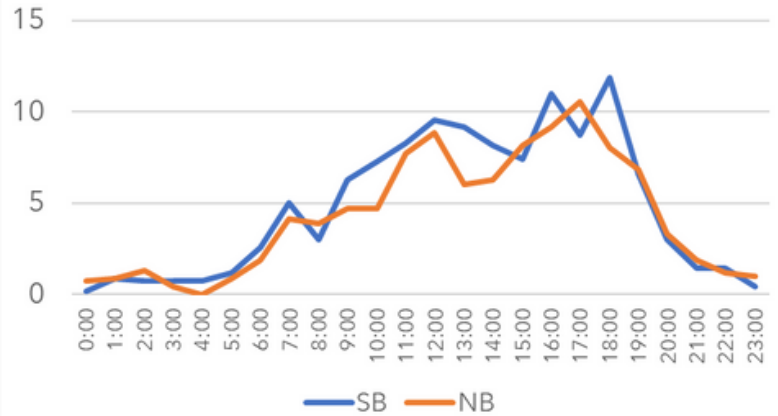
Hourly average between 6am and 6pm

Busiest Weekend Day: Saturday, 6/4 (271)

Busiest Weekday: Monday, 6/6 (268)

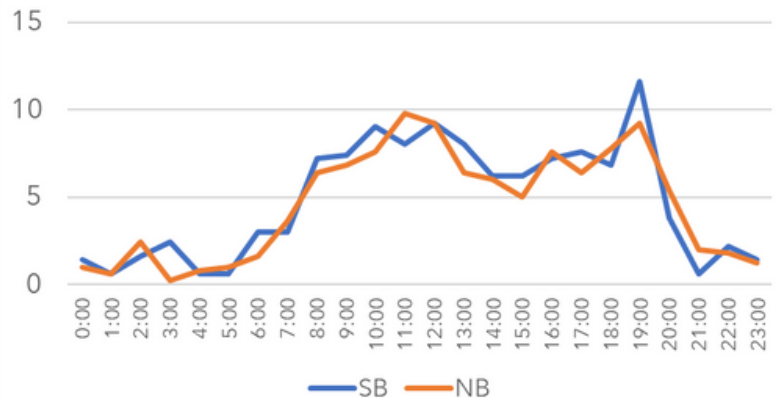
Minimum Day: Friday, 6/3 (163)

Average Hourly Weekday Profile



Average number of pedestrians per hour on weekdays only

Average Hourly Weekend Profile



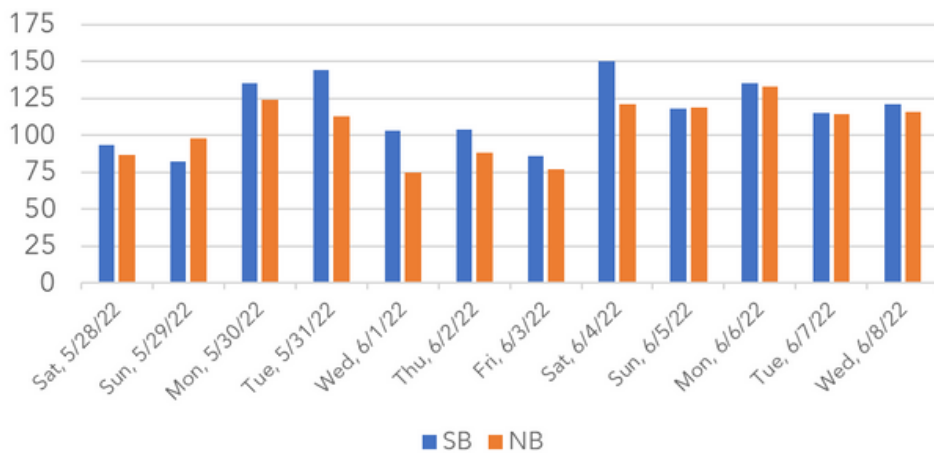
*Average number of pedestrians per hour on weekend days only**

**Includes Memorial Day (Mon, 5/30)*

SNHPC accepts requests for bike/ped counts year-round. If you'd like us to count in your community, please contact Senior Transportation Planner Adam Hlasny at 669-4664 or ahlasny@snhpc.org

T-028 S. MANCHESTER RT @ GOLD STREET XING

Daily Totals



MAY 28 - JUNE 8, 2022



COUNT SUMMARY

2,058

Total Traffic for the Period Analyzed

171.5

Daily Average

7.1

Total Hourly Average

5.3

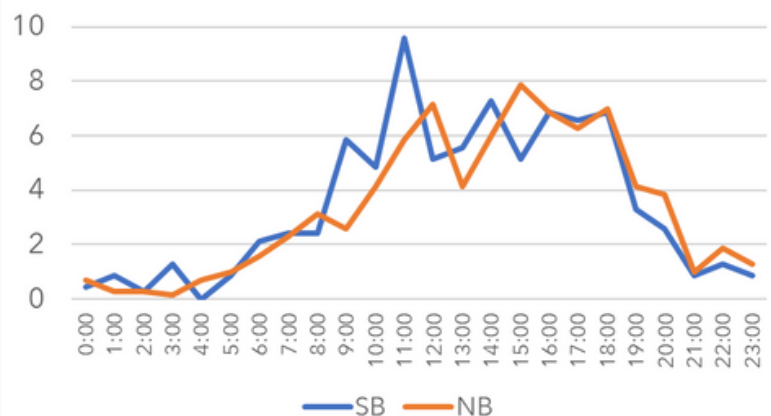
Hourly average between 6am and 6pm

Busiest Weekend Day: Sunday, 6/5 (238)

Busiest Weekday: Tuesday, 6/7 (228)

Minimum Day: Wednesday, 6/1 (103)

Average Hourly Weekday Profile



Average number of pedestrians per hour on weekdays only

Average Hourly Weekend Profile



Average number of pedestrians per hour on weekend days only*

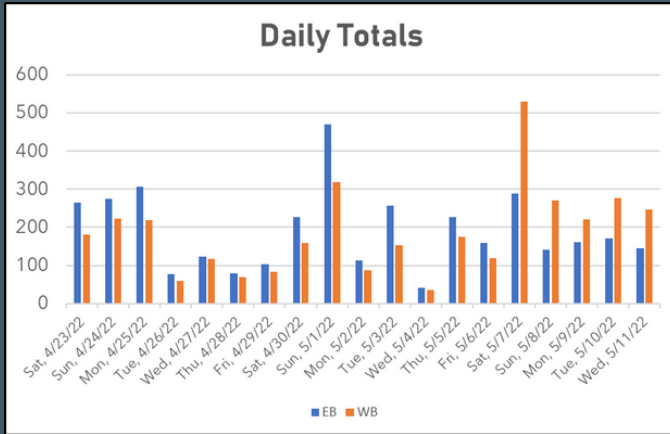
*Includes Memorial Day (Mon, 5/30)

SNHPC accepts requests for bike/ped counts year-round. If you'd like us to count in your community, please contact Senior Transportation Planner Adam Hlasny at 669-4664 or ahlasny@snhpc.org



PISCATAQUOG TRAIL

Pedestrian and Bicycle Count Summary
April 23-May 11, 2022



Singer Bridge

7,173

Total Traffic for the Period Analyzed

15.7

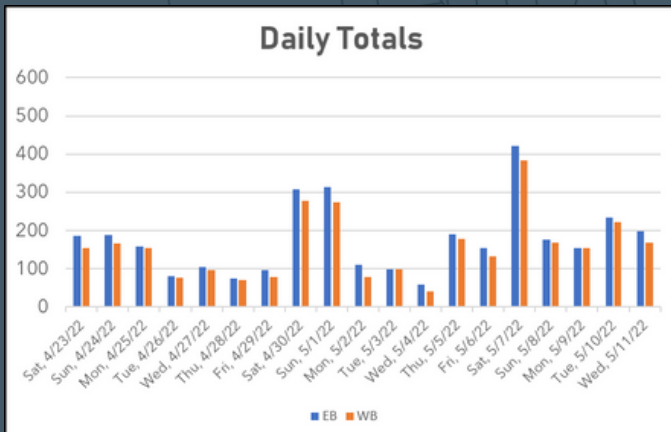
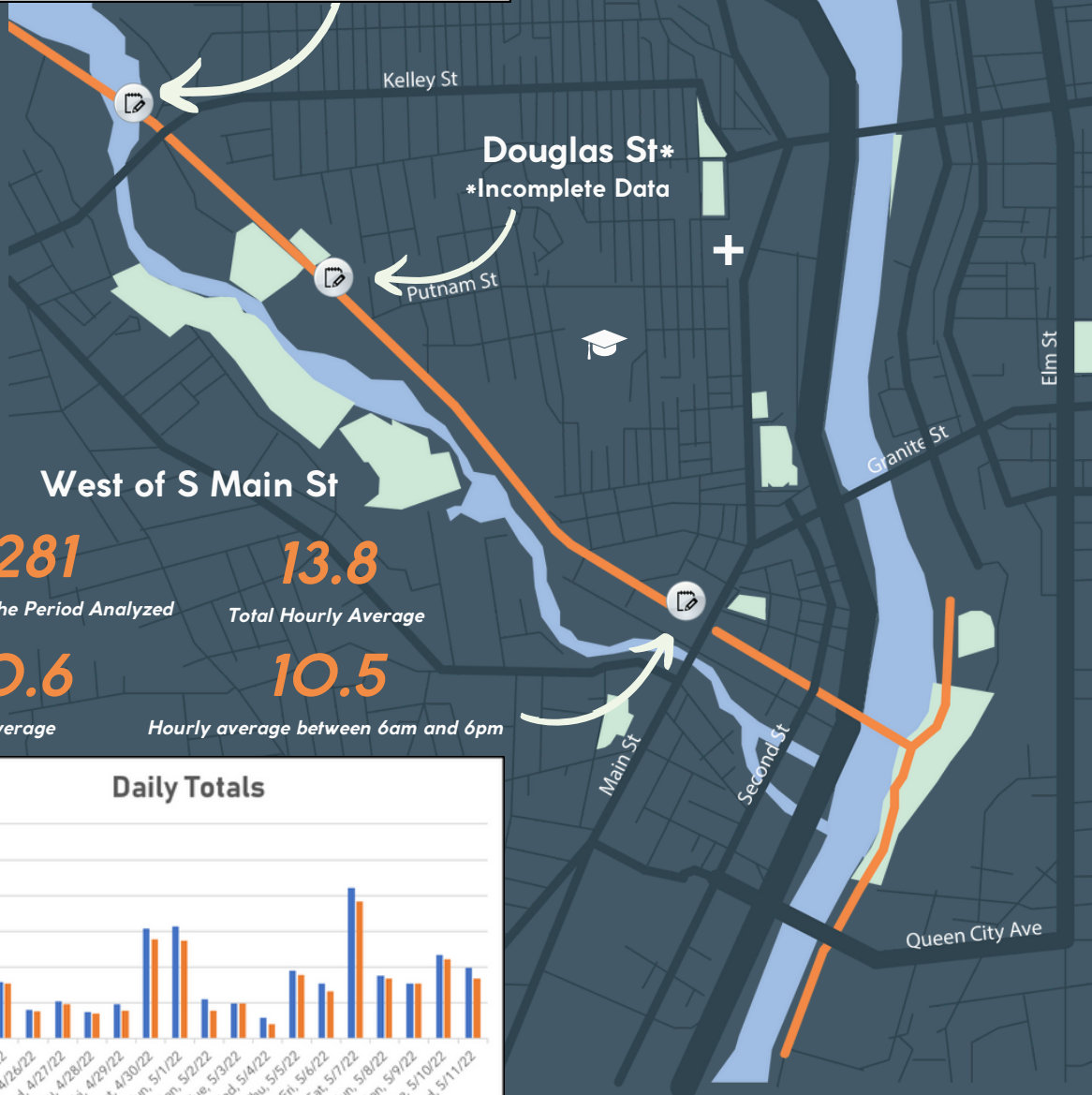
Total Hourly Average

377.5

Daily Average

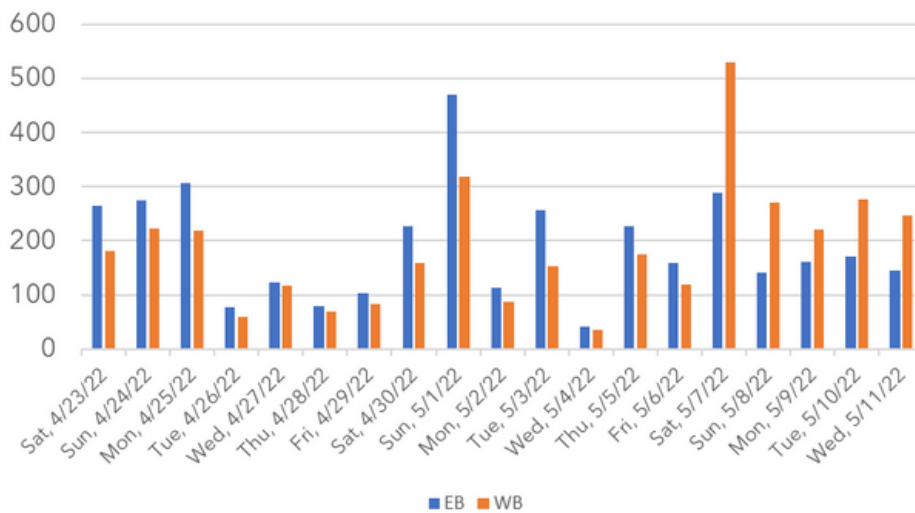
11.2

Hourly average between 6am and 6pm



T-041 PISCATAQUOG TRAIL WEST OF SINGER BRIDGE

Daily Totals



**APRIL 23-
MAY 11, 2022**



COUNT SUMMARY

7,173

Total Traffic for the Period Analyzed

377.5

Daily Average

15.7

Total Hourly Average

11.2

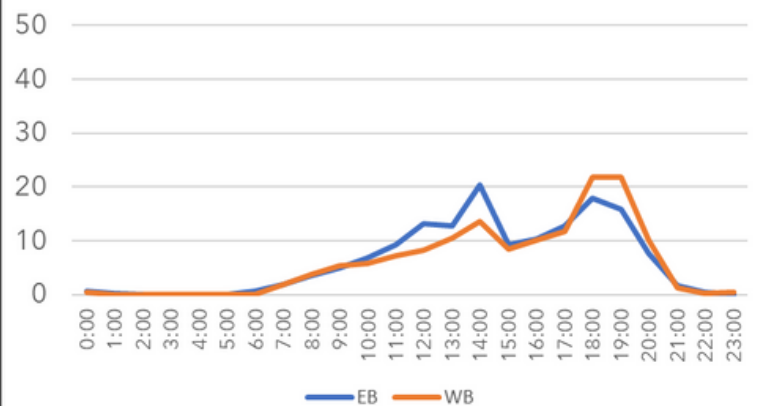
Hourly average between 6am and 6pm

Busiest Weekend Day: Saturday, 5/7 (818)

Busiest Weekday: Monday, 4/25 (525)

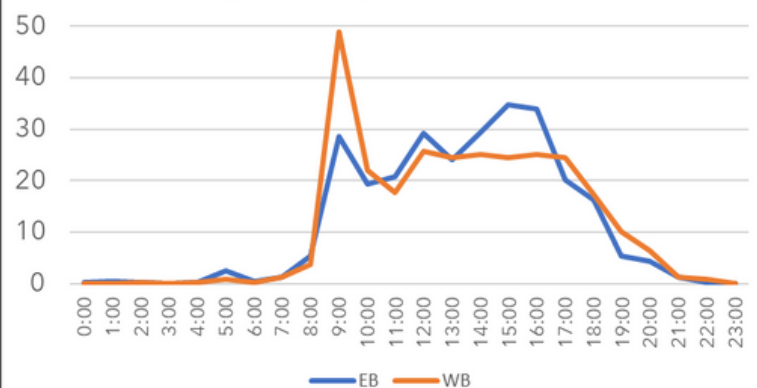
Minimum Day: Wednesday, 5/4 (77)

Average Hourly Weekday Profile



Average number of pedestrians per hour on weekdays only

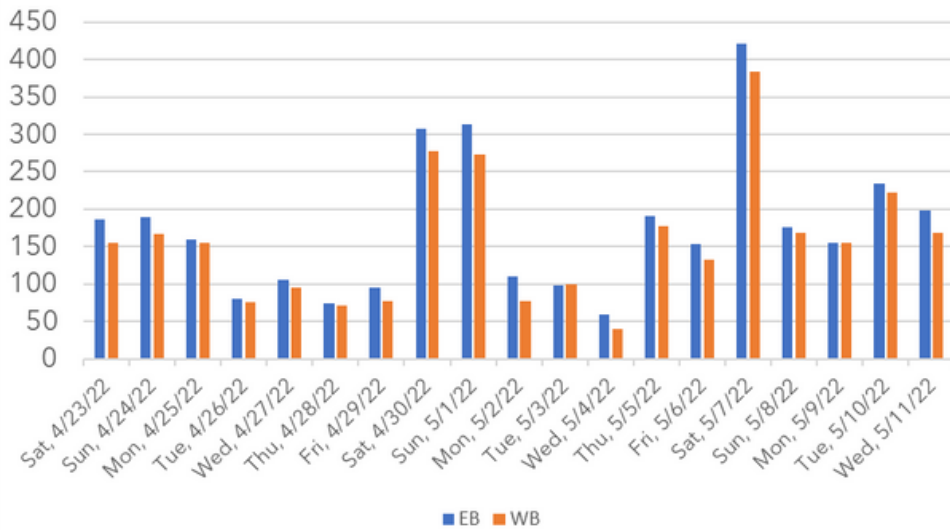
Average Hourly Weekend Profile



Average number of pedestrians per hour on weekend days only

T-019 PISCATAQUOG TRAIL WEST OF S MAIN ST

Daily Totals



**APRIL 23-
MAY 11, 2022**



COUNT SUMMARY

6,281

Total Traffic for the Period Analyzed

330.6

Daily Average

13.8

Total Hourly Average

10.5

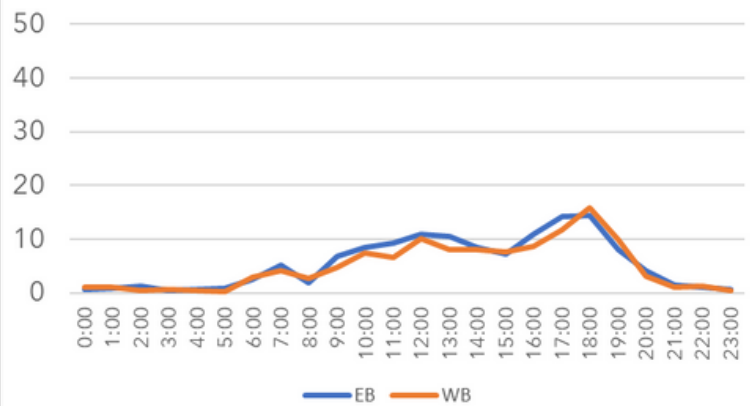
Hourly average between 6am and 6pm

Busiest Weekend Day: Saturday, 5/7 (807)

Busiest Weekday: Tuesday, 5/10 (456)

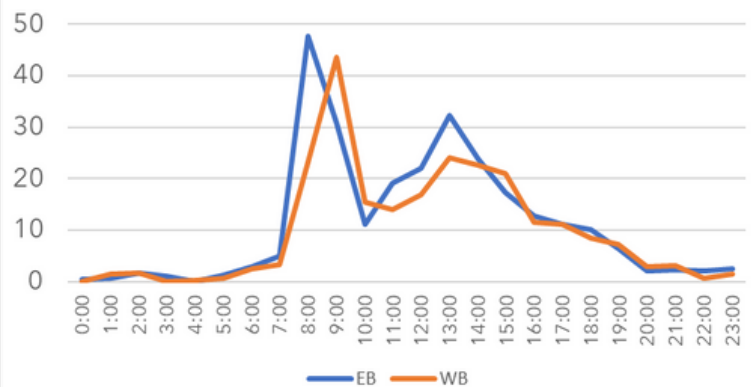
Minimum Day: Wednesday, 5/4 (99)

Average Hourly Weekday Profile



Average number of pedestrians per hour on weekdays only

Average Hourly Weekend Profile



Average number of pedestrians per hour on weekend days only

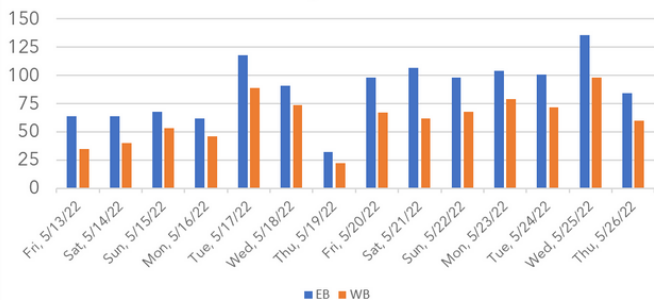


ROCKINGHAM RAIL TRAIL

Pedestrian and Bicycle Count Summary
May 13-26, 2022



Daily Totals



Rockingham RT West of Lake Shore Rd

2,092

Total Traffic for the Period Analyzed

6.2

Total Hourly Average

149.4

Daily Average

4.6

Hourly average between 6am and 6pm

Rockingham RT at Mammoth Rd*

*Incomplete Data

Rockingham RT East of I-93

2,069

Total Traffic for the Period Analyzed

6.2

Total Hourly Average

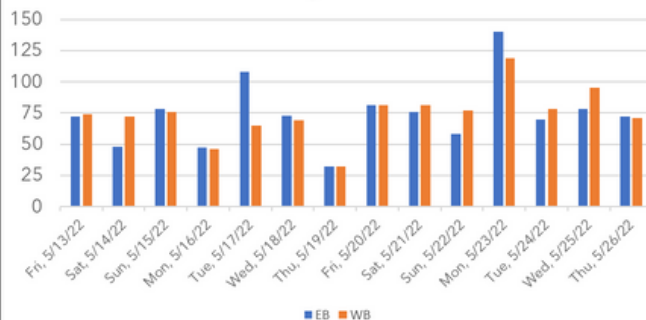
147.8

Daily Average

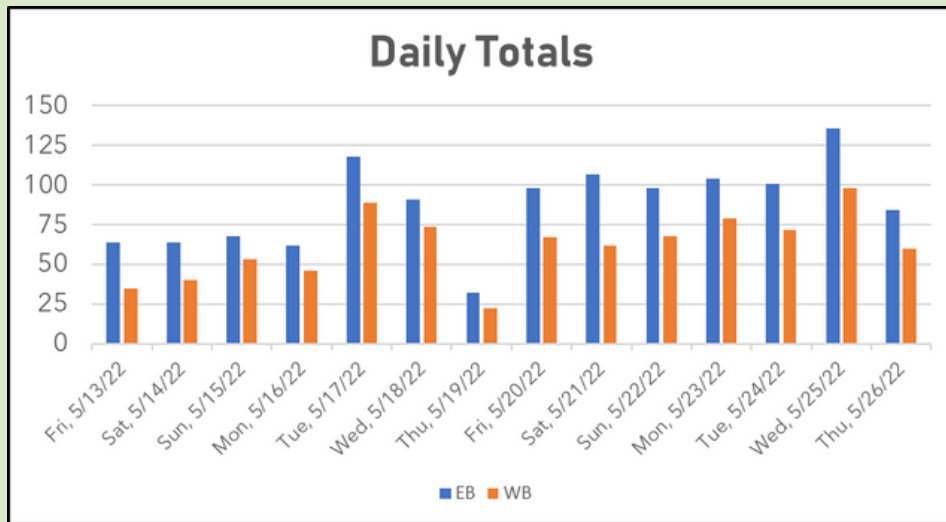
3.8

Hourly average between 6am and 6pm

Daily Totals



T-008 ROCKINGHAM RT WEST OF LAKE SHORE RD



MAY 13-26, 2022



COUNT SUMMARY

2,092

Total Traffic for the Period Analyzed

149.4

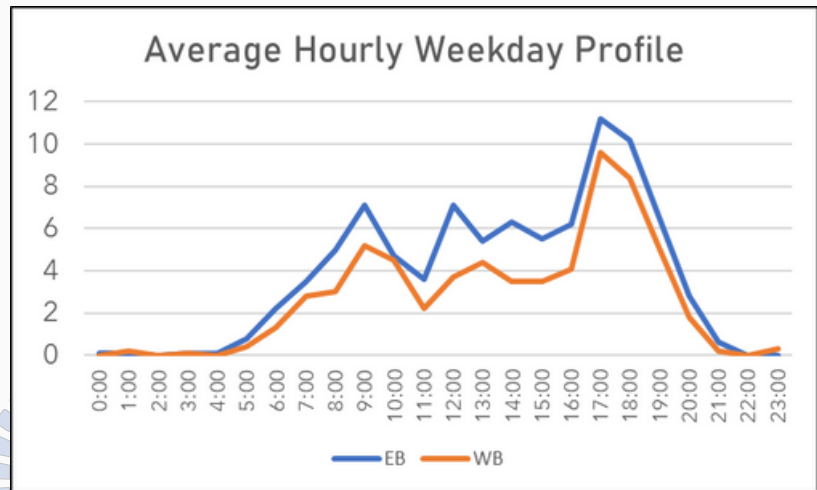
Daily Average

6.2

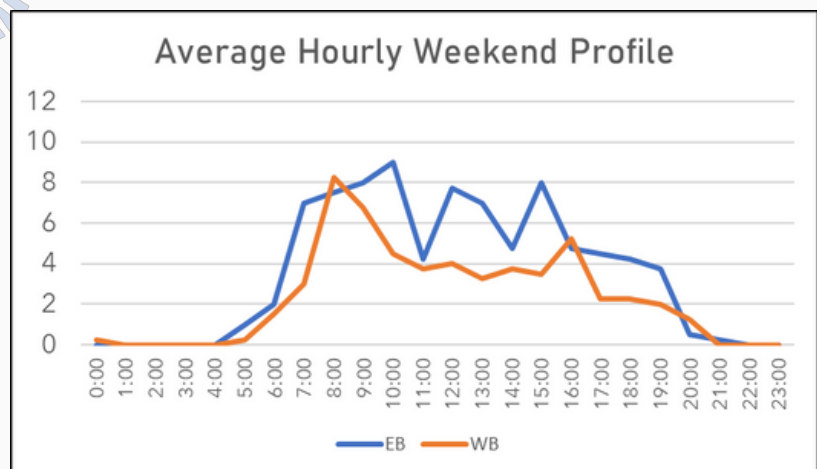
Total Hourly Average

4.6

Hourly average between 6am and 6pm



Average number of pedestrians per hour on weekdays only



Average number of pedestrians per hour on weekend days only

Busiest Weekend Day: Saturday, 5/21 (169)

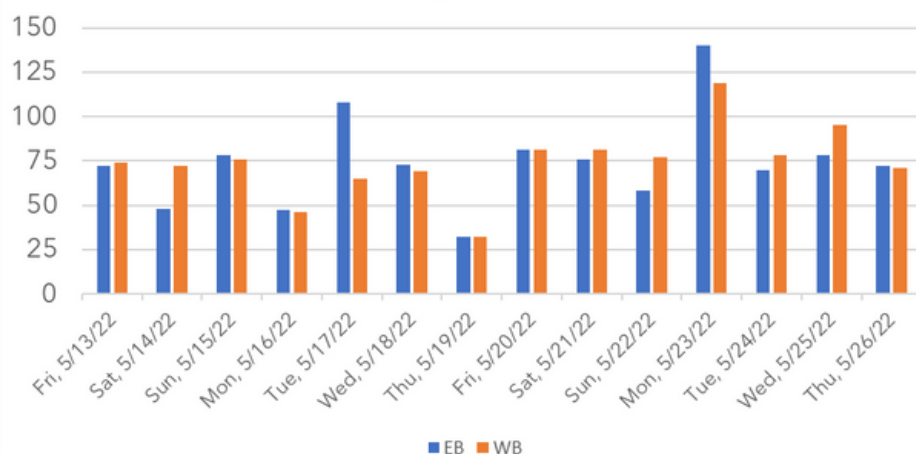
Busiest Weekday: Wednesday, 5/25 (234)

Minimum Day: Thursday, 5/19 (54)

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T-043 ROCKINGHAM RAIL TRAIL EAST OF I-93

Daily Totals



MAY 13-26, 2022



COUNT SUMMARY

2,069

Total Traffic for the Period Analyzed

147.8

Daily Average

6.2

Total Hourly Average

3.8

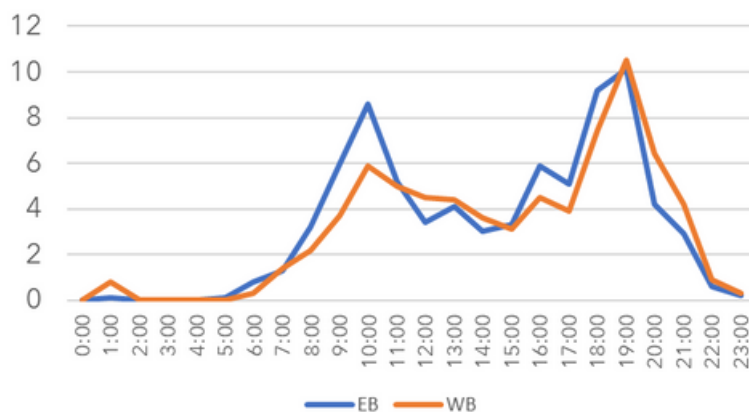
Hourly average between 6am and 6pm

Busiest Weekend Day: Saturday, 5/21 (157)

Busiest Weekday: Monday, 5/23 (259)

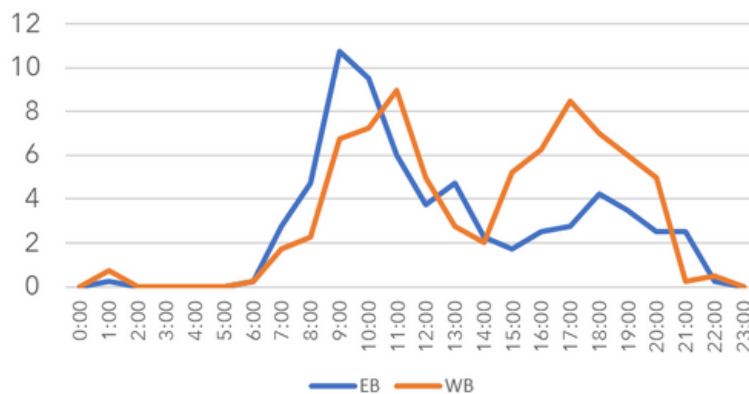
Minimum Day: Thursday, 5/19 (64)

Average Hourly Weekday Profile



Average number of pedestrians per hour on weekdays only

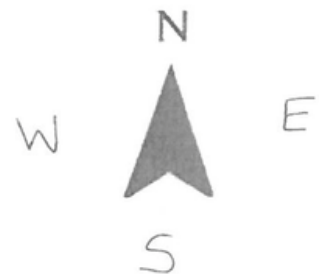
Average Hourly Weekend Profile



Average number of pedestrians per hour on weekend days only

Name Tammy Zamyski Location: Buckingham RT @ Mammoth Rd.
Date 6-7-22 Weather 79° partly cloudy, breezy
Start Time 12:30 PM - 1:30 PM

A3 A2 A1



Street: Mammoth Rd.

Street: Pockingham Rec. Trail

~~Street:~~

Diagram illustrating a 3x3 matrix structure with a diagonal line from top-left to bottom-right. The cells are labeled P (top-left, middle-left, bottom-left) and B (top-right, middle-right, bottom-right). Arrows on the right indicate a path: up from the top-right cell, right from the middle-right cell, and down from the bottom-right cell.

The diagram shows a three-story building with three floors labeled B3, B2, and B1. Each floor has a 'P' (Passenger) and a 'B' (Bus) area. Arrows indicate the flow of passengers and buses between floors:

- From B3 to B2: A horizontal arrow points from the 'P' area of B3 to the 'P' area of B2.
- From B2 to B1: A horizontal arrow points from the 'P' area of B2 to the 'P' area of B1.
- From B1 to B2: A horizontal arrow points from the 'B' area of B1 to the 'B' area of B2.
- From B2 to B3: A horizontal arrow points from the 'B' area of B2 to the 'B' area of B3.
- From B3 to B2: A vertical arrow points from the 'B' area of B3 to the 'B' area of B2.
- From B2 to B1: A vertical arrow points from the 'B' area of B2 to the 'B' area of B1.

← WB Peds |||
← WB Bines ||||

→ EB Reds 11
→ EB Birches 1111

Street: Mammoth Rd

C1 C2 C3

Children under 16 (Pedestrians)

Field Notes: