



DATE: June 28, 2019
TO: Plan for Ashuelot Rail Trail Project Advisory Committee
FROM: SWRPC Staff
RE: Existing Conditions Assessment – Bicycle/Pedestrian Counts

During 2018, SWRPC conducted nine bicycle and pedestrian technology studies using pneumatic tube and infrared sensors (Table 1, Figure 2). The purpose of this memo is to summarize the traffic counts recorded at each location (Figure 1). Reports that differentiate between types of users (people walking versus biking) are forthcoming. The data depicted below represent counts of both user groups together. Detailed reports are attached. SWRPC has planned a recount for 2019 at location 7 to confirm the unexpectedly high result.

Table 1 - List of Ashuelot Rail Automatic Count Locations

#	Municipality	Description	Study Start	Study End
1	Keene	North of Winchester Street	6/1/2018	6/20/2018
2	Keene	North of NH 101	6/22/2018	7/10/2018
3	Keene	South of Krif Road	8/4/2018	9/12/2018
4	Swanzey	North of Sawyers Crossing Road	7/12/2018	7/31/2018
5	Swanzey	North of Pine Street	6/1/2018	6/20/2018
6	Winchester	North of Elm Street	6/1/2018	6/20/2018
7	Winchester	East of Gunn Mountain Road/Back Ashuelot Road	7/31/2018	9/16/2018
8	Winchester	East of Recycle Way	8/2/2018	9/16/2018
9	Hinsdale	East of Depot Street	7/12/2018	7/31/2018

Figure 1 - Count Location Summary (Trips per Day)

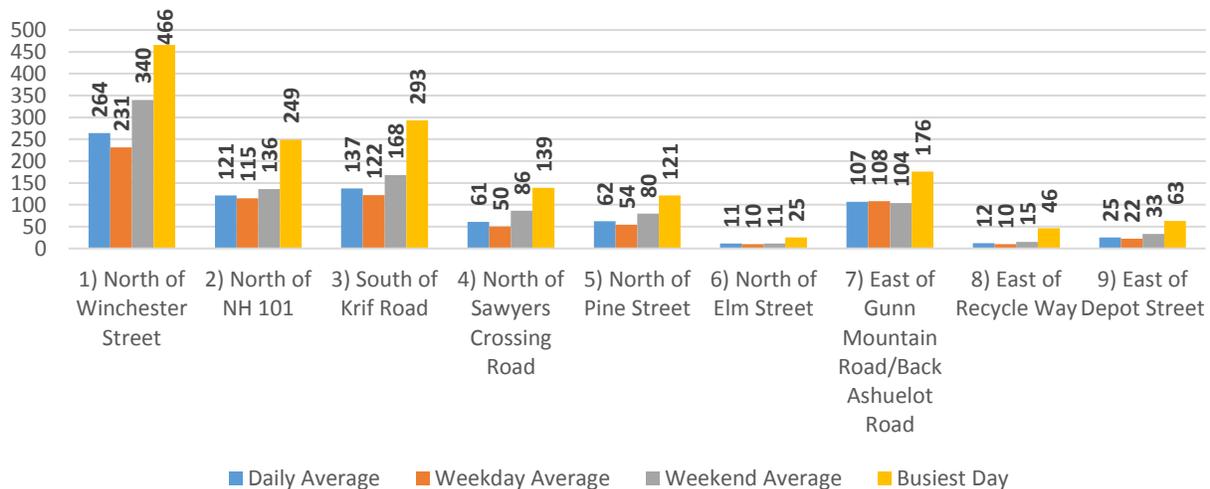
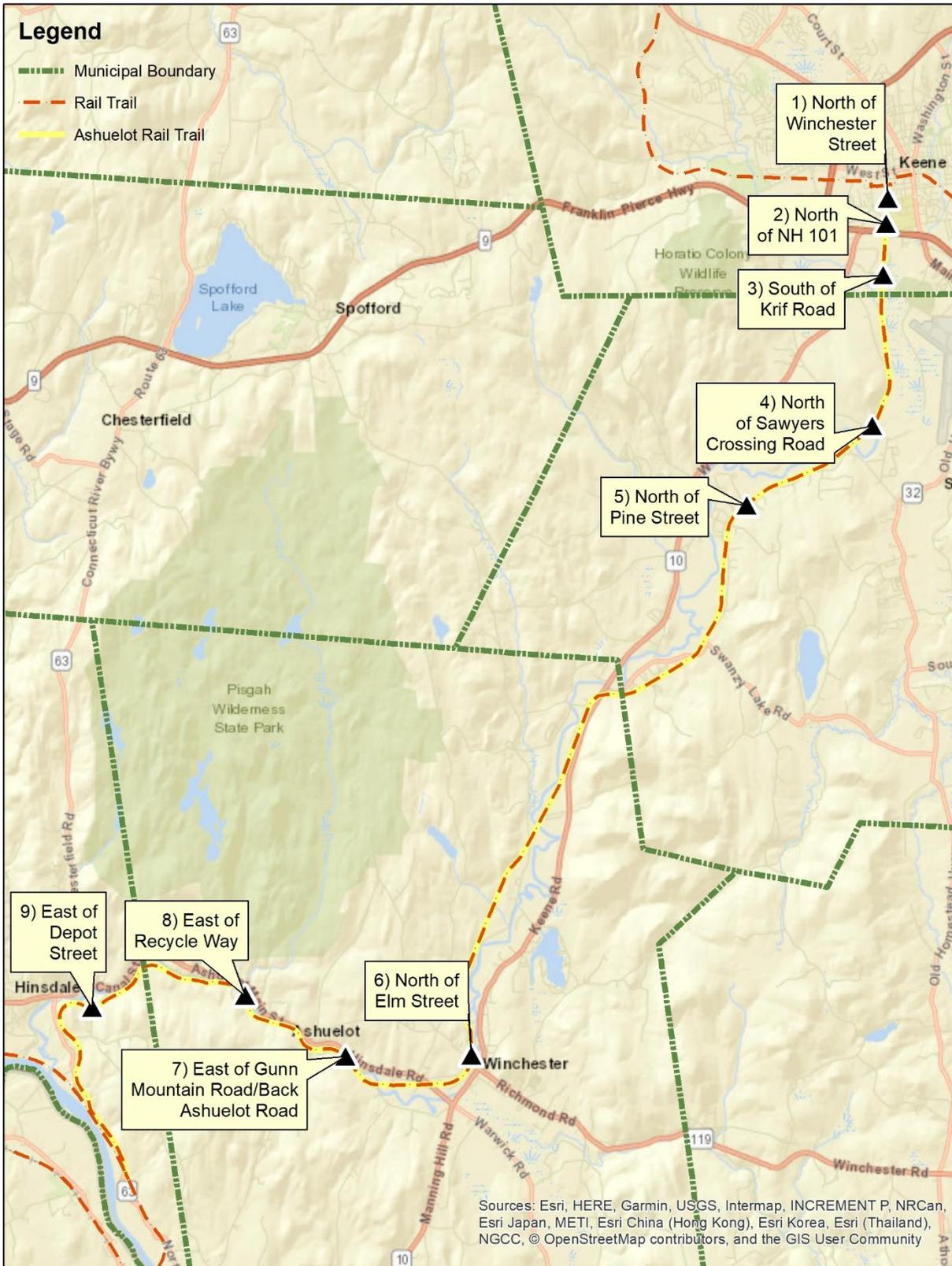


Figure 2 - Overview Map of Ashuelot Rail Automatic Count Locations



Document Path: Y:\Projects2018\Plan for Ashuelot Rail Trail\Bicycle and Pedestrian Counting Activities\Overview Map.mxd

Preliminary Recommendations

- Consider methods to quantify use of trail by equestrians and snowmobiles, which are not currently differentiated by available counting equipment (including manual methods).
- Ensure that collected data is centralized to facilitate sharing and analysis.
- In coordination with trail owners, consider appropriate locations and funding resources for permanent counting equipment to facilitate understanding of long-term trends in use (including seasonal trends) and the connection between use and trail improvements.
- Continue to utilize established in-person counting and survey methods, such as those made available by the National Bicycle and Pedestrian Documentation Project, as part of future counting initiatives.
- Regularly review and share collected data with trail stakeholders to facilitate future planning and prioritization.
- Assess count locations and provide justification for removing, moving, or adding count locations in the future.
- Become familiar with Strava Metro data, its relationship to physical counts, and its ability to supplement automatic counts.
- Apply data to decision-making about improvements as well as grant applications.



Ashuelot Rail Trail north of Winchester ...

Period Analyzed: Friday, June 01, 2018 to Wednesday, June 20, 2018

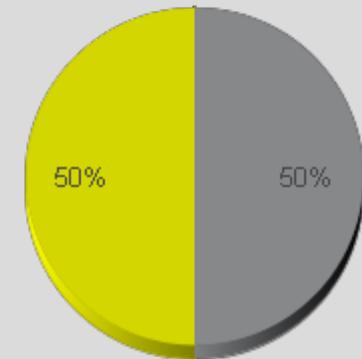


Key Figures

- Total Traffic for the Period Analyzed: 5,272
- Daily Average: 264
 - Weekdays: 231 / Weekend days: 340
- Busiest Day of the Week: Sunday
- Busiest Days of the Period Analyzed:
 1. Sunday, June 10, 2018 (466)
 2. Sunday, June 03, 2018 (357)
 3. Saturday, June 09, 2018 (347)
- Distribution by Direction:

■ SB: 50%

■ NB: 50%



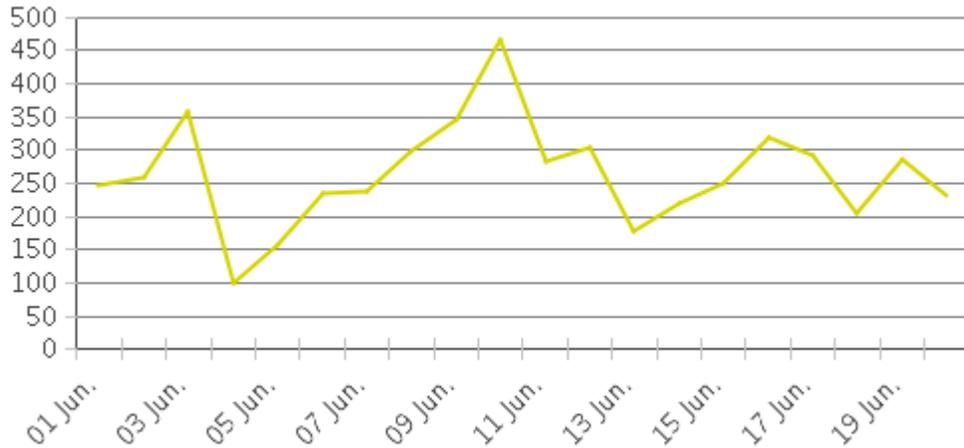


Ashuelot Rail Trail north of Winchester ...

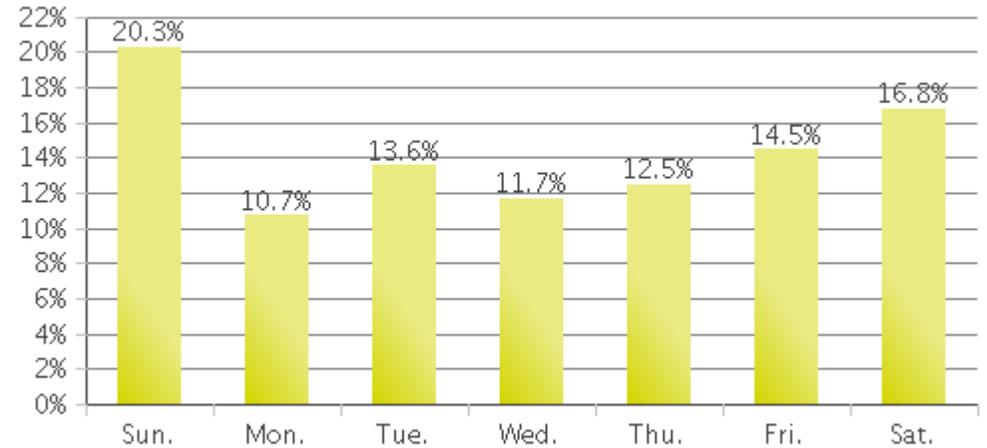
Period Analyzed: Friday, June 01, 2018 to Wednesday, June 20, 2018



Daily Data



Weekly Profile



Hourly Profile during Weekdays



Hourly Profile during the Weekend





Ashuelot Rail Trail north of NH 101

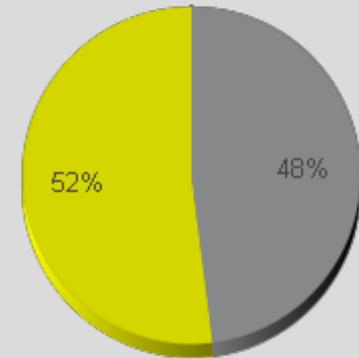
Period Analyzed: Friday, June 22, 2018 to Tuesday, July 10, 2018



Key Figures

- Total Traffic for the Period Analyzed: 2,306
- Daily Average: 121
 - Weekdays: 115 / Weekend days: 136
- Busiest Day of the Week: Sunday
- Busiest Days of the Period Analyzed:
 1. Sunday, July 08, 2018 (249)
 2. Saturday, July 07, 2018 (223)
 3. Monday, June 25, 2018 (215)
- Distribution by Direction:

- IN: 52%
- OUT: 48%





Ashuelot Rail Trail north of NH 101

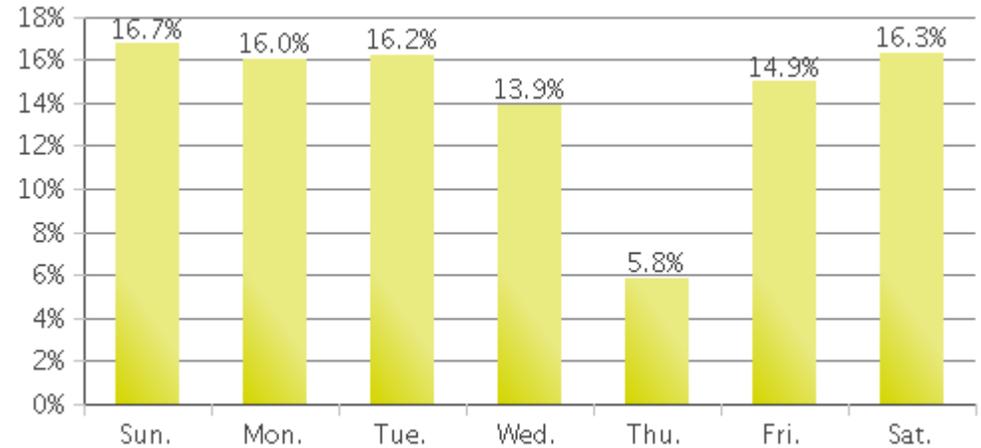
Period Analyzed: Friday, June 22, 2018 to Tuesday, July 10, 2018



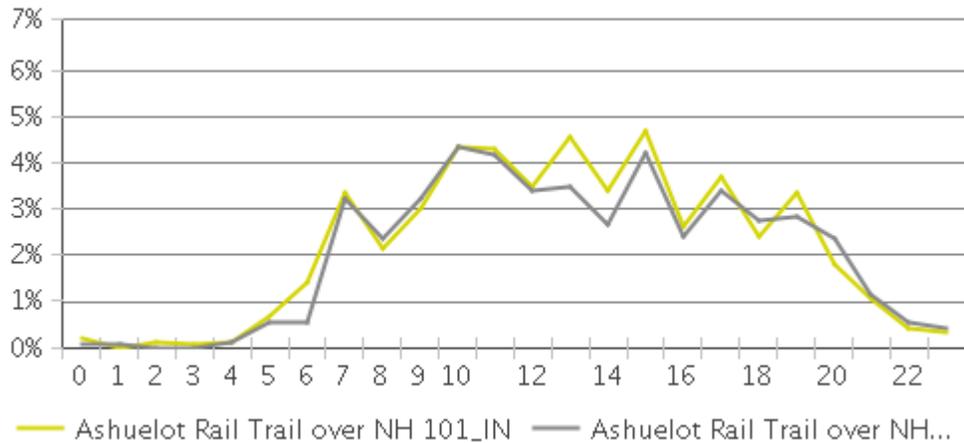
Daily Data



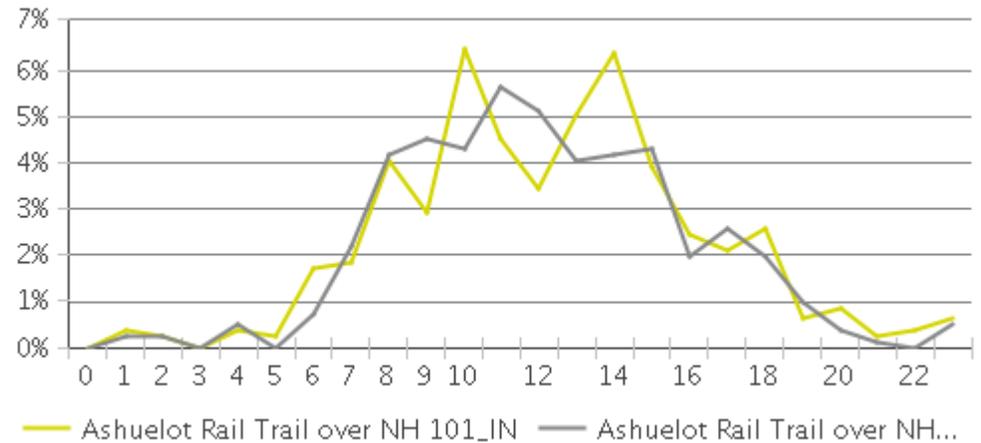
Weekly Profile



Hourly Profile during Weekdays



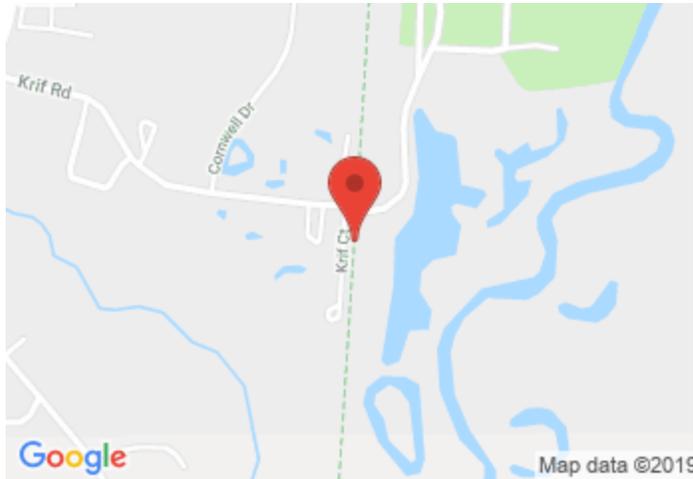
Hourly Profile during the Weekend



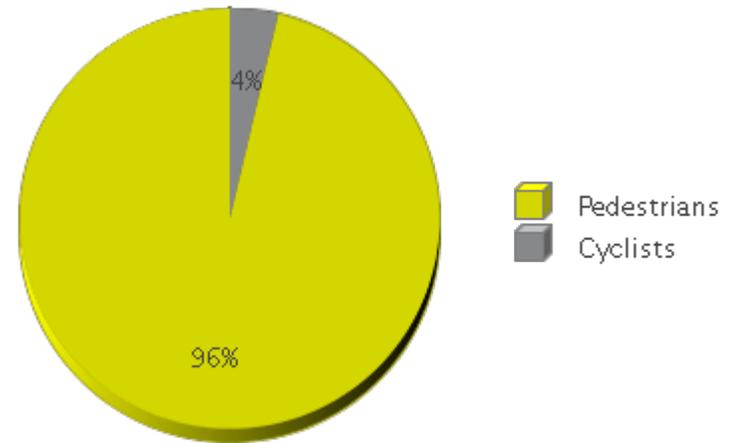


Ashuelot Rail Trail south of Krif Road

Period Analyzed: Saturday, August 04, 2018 to Wednesday, September 12, 2018



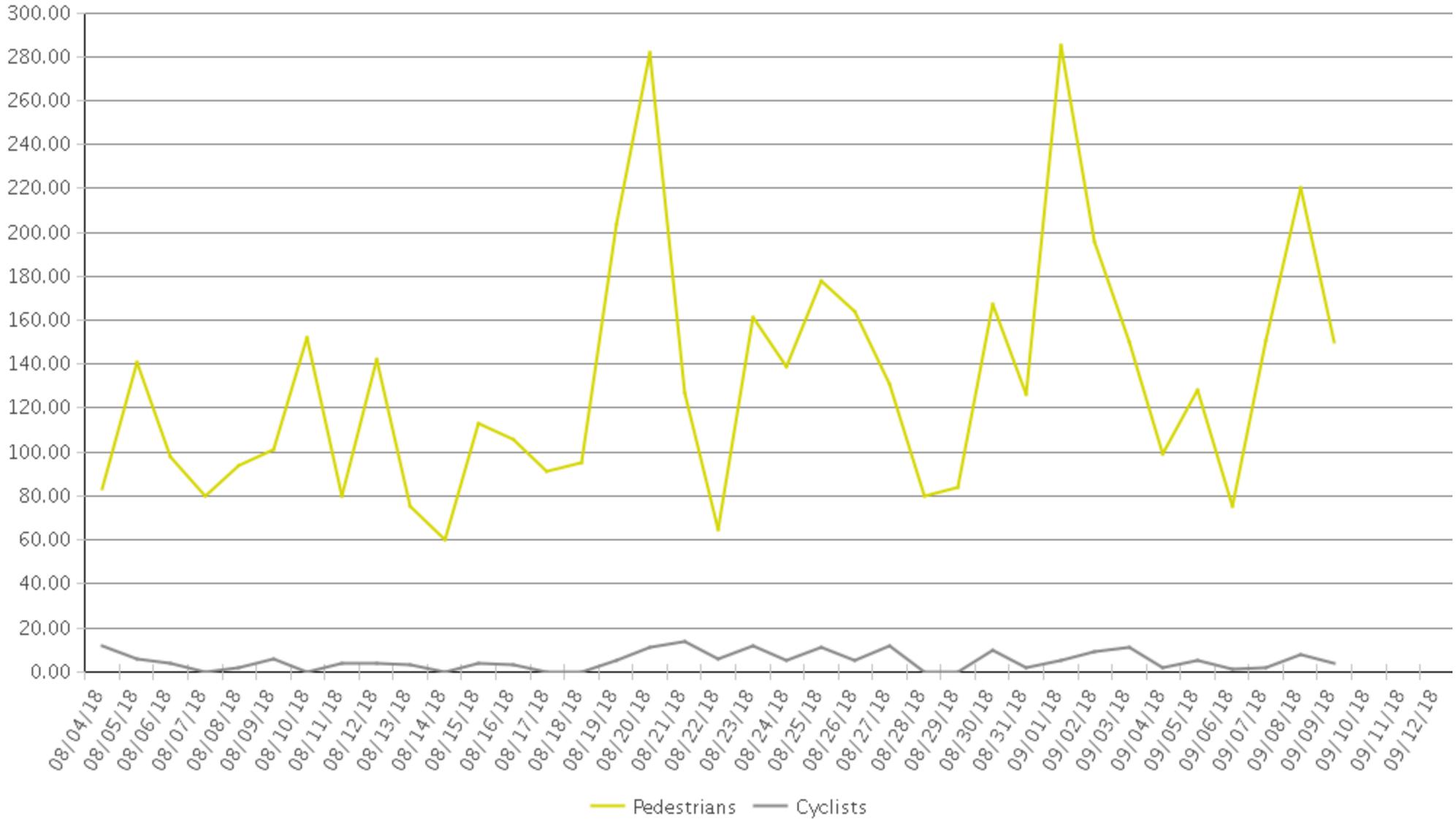
	Total Traffic for the Analyzed Period	Daily Average	Busiest Day of the Week	Distribution	
				IN	OUT
Pedestrians	4,873	132	Sunday	50	50
Cyclists	188	5	Monday	56	44





Ashuelot Rail Trail south of Krif Road

Period Analyzed: Saturday, August 04, 2018 to Wednesday, September 12, 2018



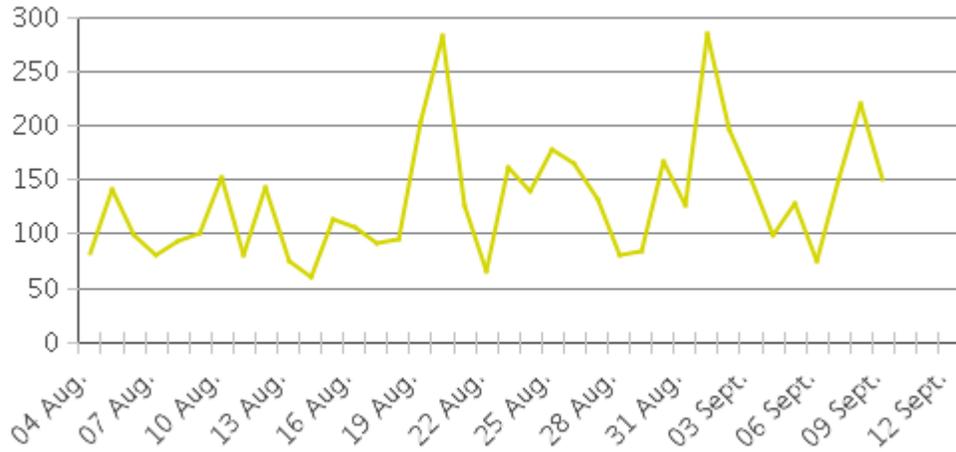


Ashuelot Rail Trail south of Krif Road (...)

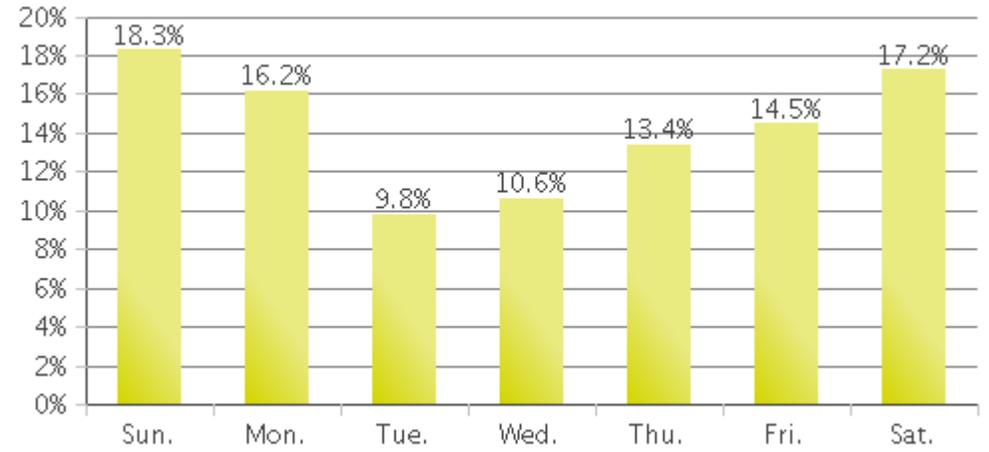
Period Analyzed: Saturday, August 04, 2018 to Wednesday, September 12, 2018



Daily Data



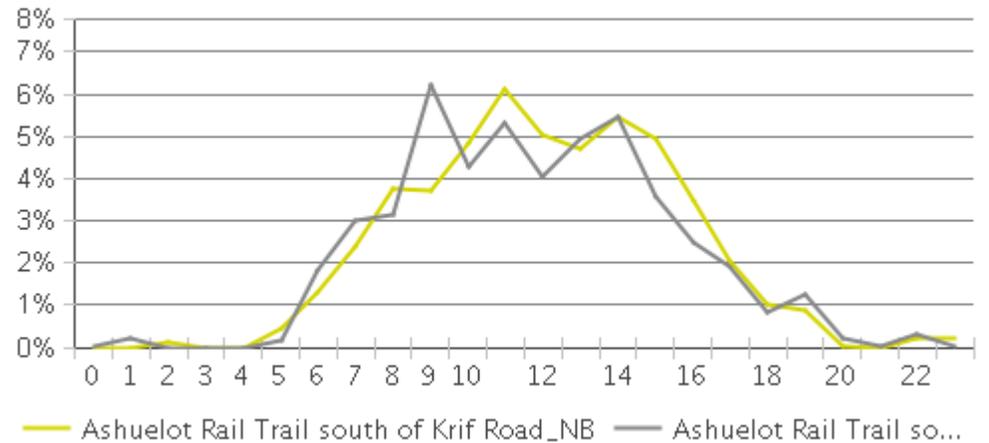
Weekly Profile



Hourly Profile during Weekdays



Hourly Profile during the Weekend



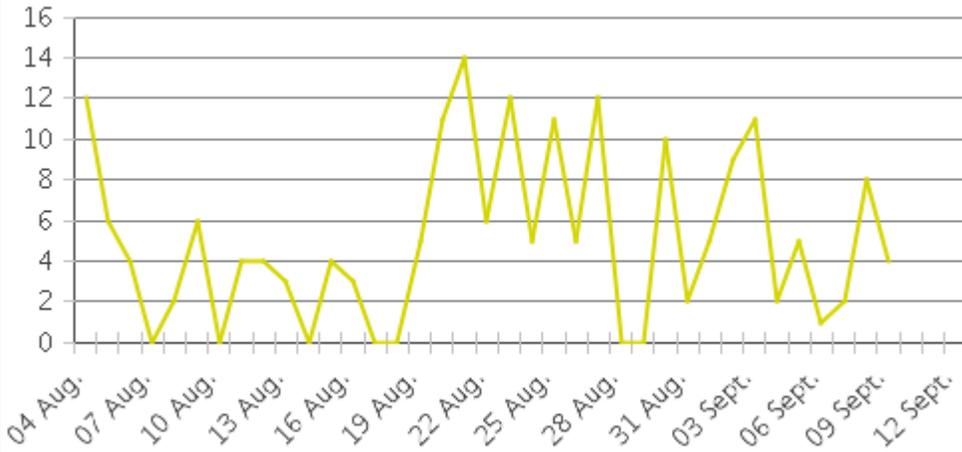


Ashuelot Rail Trail south of Krif Road (...)

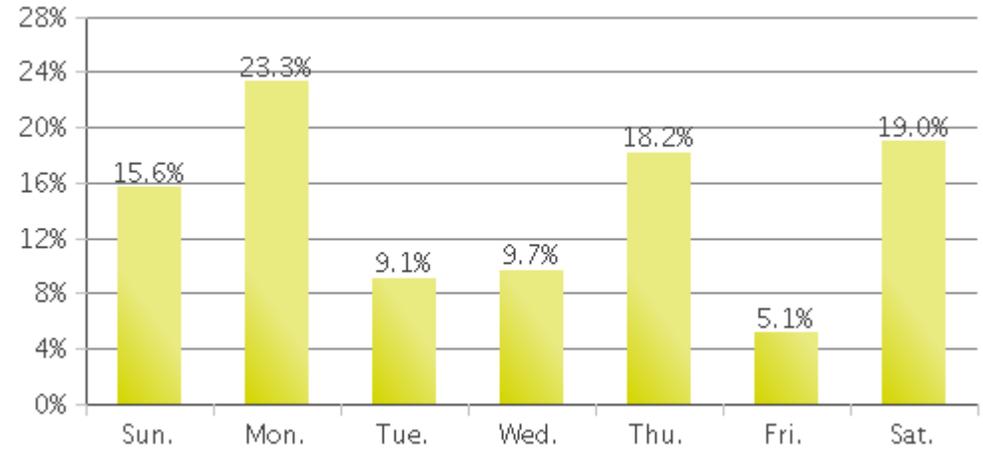
Period Analyzed: Saturday, August 04, 2018 to Wednesday, September 12, 2018



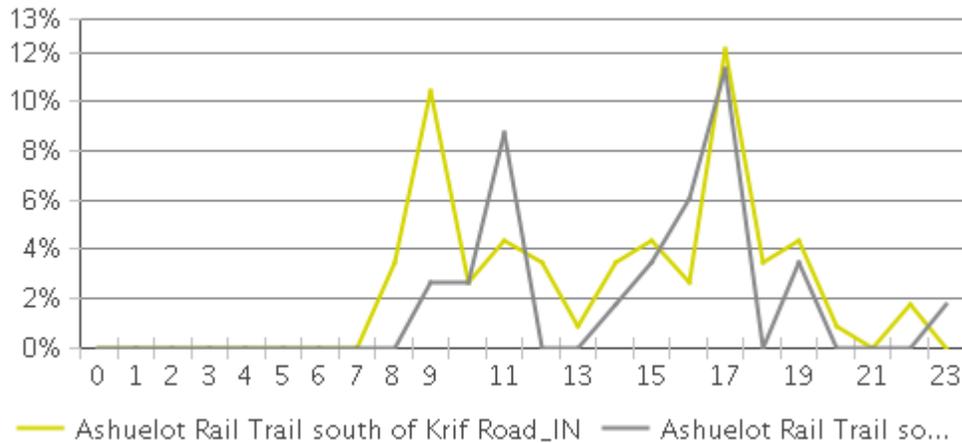
Daily Data



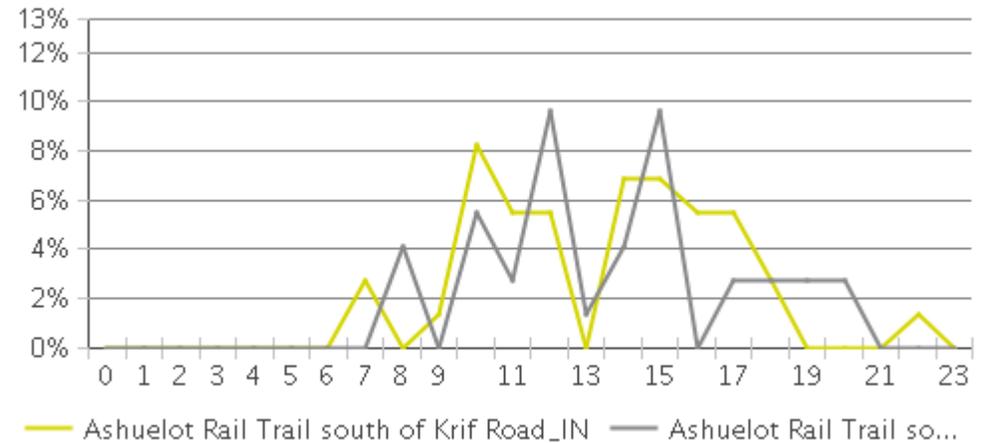
Weekly Profile



Hourly Profile during Weekdays



Hourly Profile during the Weekend





Ashuelot Rail Trail north of Sawyers Cro...

Period Analyzed: Thursday, July 12, 2018 to Tuesday, July 31, 2018

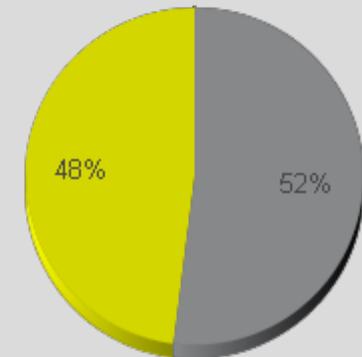


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Key Figures

- Total Traffic for the Period Analyzed: 1,210
- Daily Average: 61
 - Weekdays: 50 / Weekend days: 86
- Busiest Day of the Week: Saturday
- Busiest Days of the Period Analyzed:
 1. Sunday, July 29, 2018 (139)
 2. Saturday, July 21, 2018 (109)
 3. Wednesday, July 18, 2018 (92)
- Distribution by Direction:

- IN: 48%
- OUT: 52%





Ashuelot Rail Trail north of Sawyers Cro...

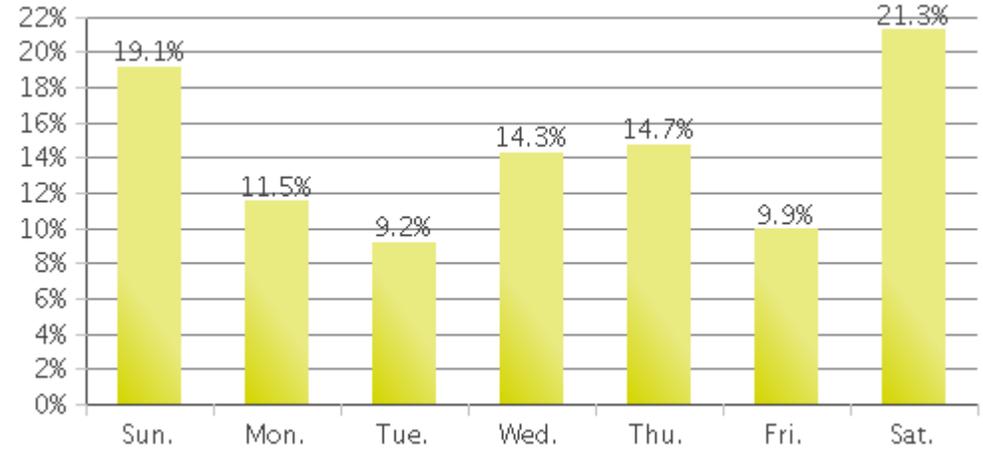
Period Analyzed: Thursday, July 12, 2018 to Tuesday, July 31, 2018



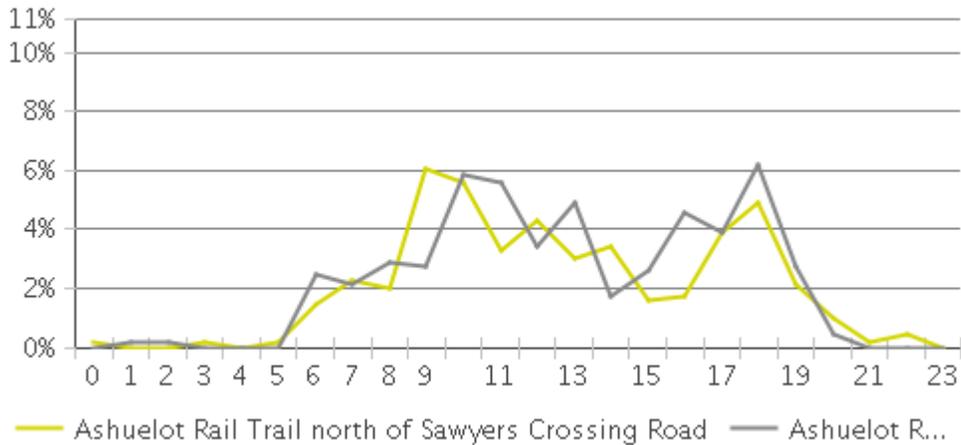
Daily Data



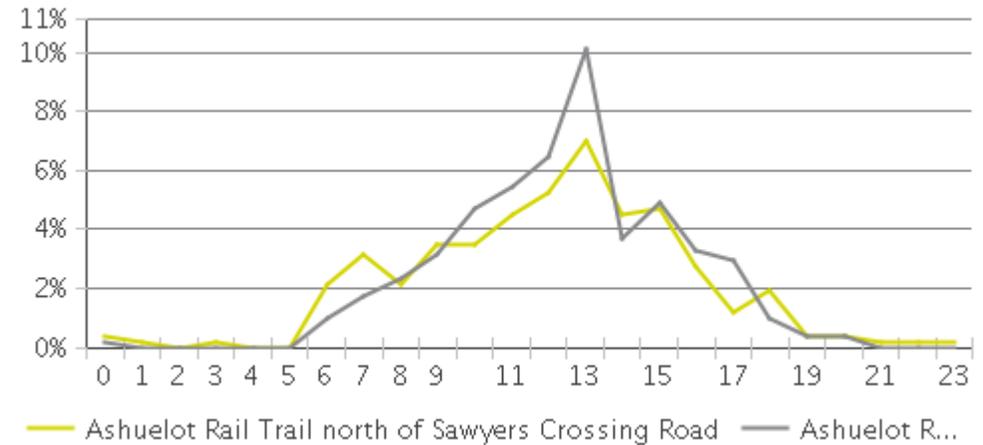
Weekly Profile



Hourly Profile during Weekdays



Hourly Profile during the Weekend



Ashuelot Rail Trail north of Pine Street

Period Analyzed: Saturday, June 02, 2018 to Wednesday, June 20, 2018

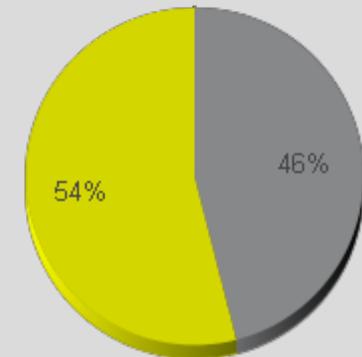


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Key Figures

- Total Traffic for the Period Analyzed: 1,183
- Daily Average: 62
Weekdays: 54 / Weekend days: 80
- Busiest Day of the Week: Sunday
- Busiest Days of the Period Analyzed:
 1. Tuesday, June 12, 2018 (121)
 2. Sunday, June 03, 2018 (106)
 3. Sunday, June 10, 2018 (104)
- Distribution by Direction:

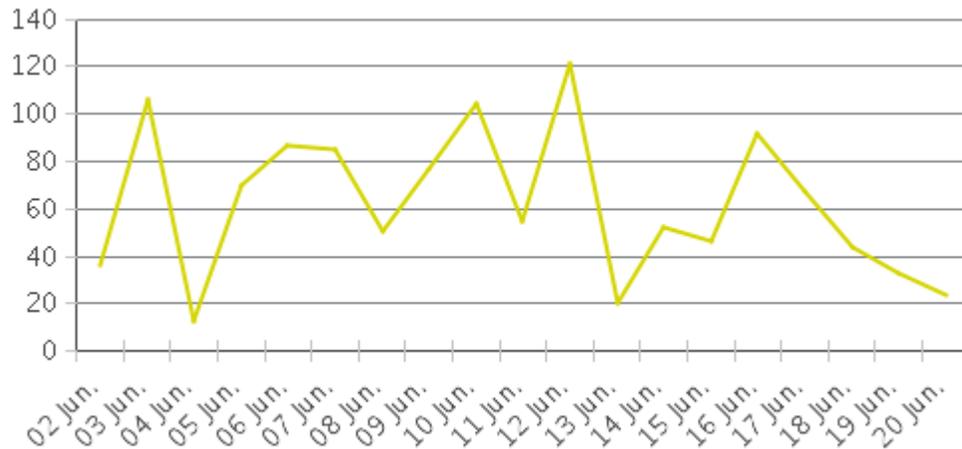
- IN: 54%
- OUT: 46%



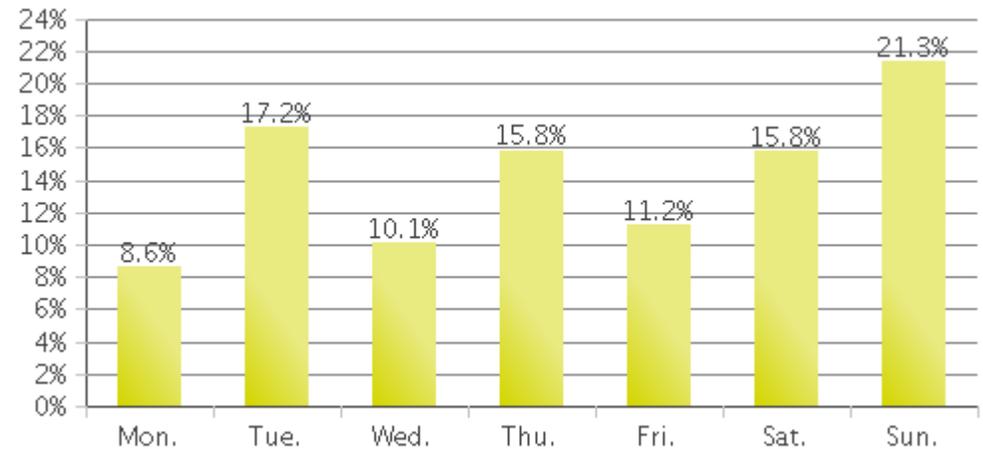
Ashuelot Rail Trail north of Pine Street

Period Analyzed: Saturday, June 02, 2018 to Wednesday, June 20, 2018

Daily Data



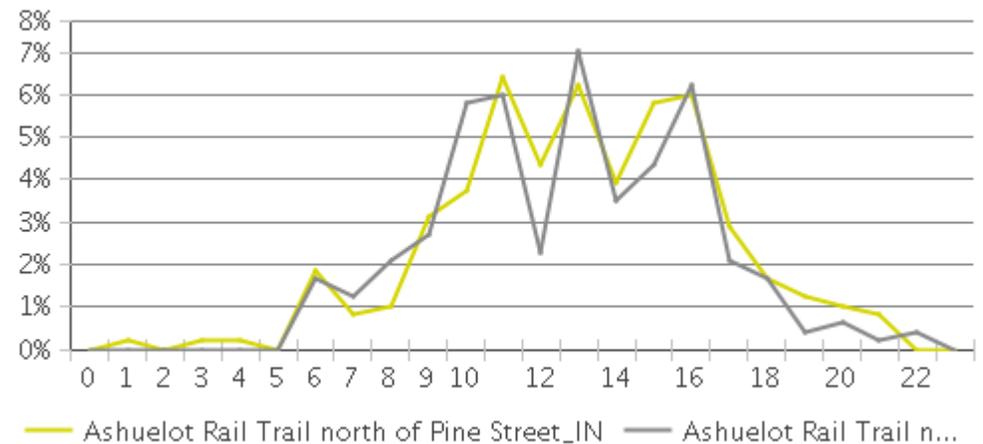
Weekly Profile



Hourly Profile during Weekdays



Hourly Profile during the Weekend



Ashuelot Rail Trail north of Elm Street

Period Analyzed: Friday, June 22, 2018 to Tuesday, July 10, 2018

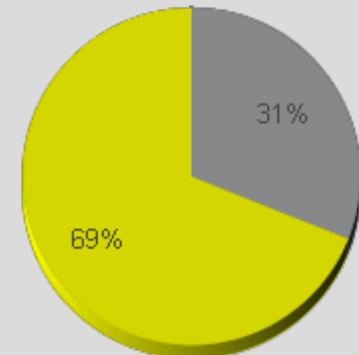


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Key Figures

- Total Traffic for the Period Analyzed: 202
- Daily Average: 11
Weekdays: 10 / Weekend days: 11
- Busiest Day of the Week: Tuesday
- Busiest Days of the Period Analyzed:
 1. Tuesday, July 10, 2018 (25)
 2. Saturday, June 30, 2018 (19)
 3. Friday, June 22, 2018 (19)
- Distribution by Direction:

- IN: 69%
- OUT: 31%



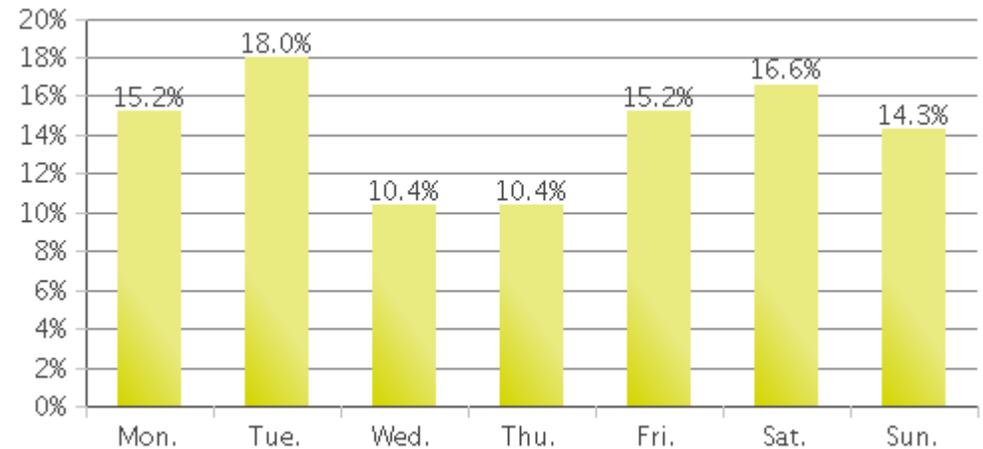
Ashuelot Rail Trail north of Elm Street

Period Analyzed: Friday, June 22, 2018 to Tuesday, July 10, 2018

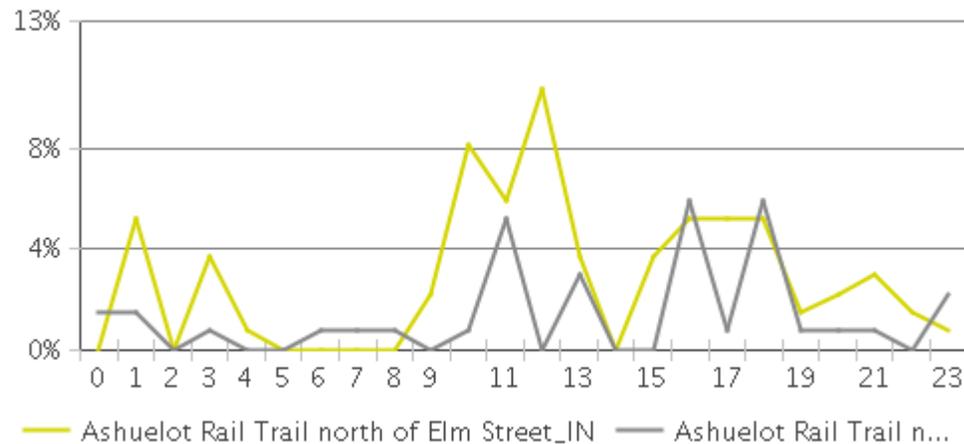
Daily Data



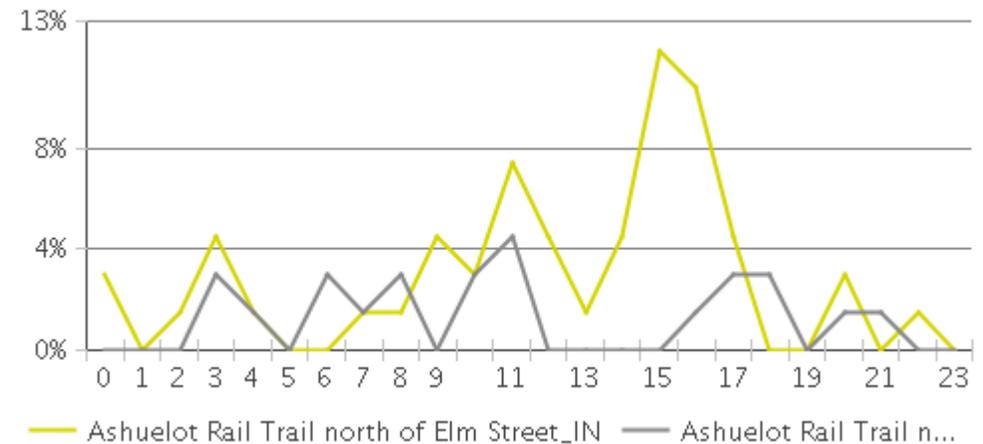
Weekly Profile



Hourly Profile during Weekdays



Hourly Profile during the Weekend



Ashuelot Rail Trail east of Recycle Way

Period Analyzed: Thursday, August 02, 2018 to Sunday, September 16, 2018

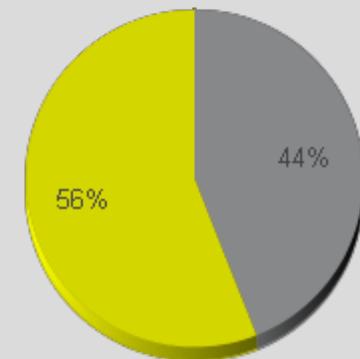


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Key Figures

- Total Traffic for the Period Analyzed: 534
- Daily Average: 12
Weekdays: 10 / Weekend days: 15
- Busiest Day of the Week: Sunday
- Busiest Days of the Period Analyzed:
 1. Sunday, August 19, 2018 (46)
 2. Monday, August 27, 2018 (37)
 3. Thursday, August 09, 2018 (35)
- Distribution by Direction:

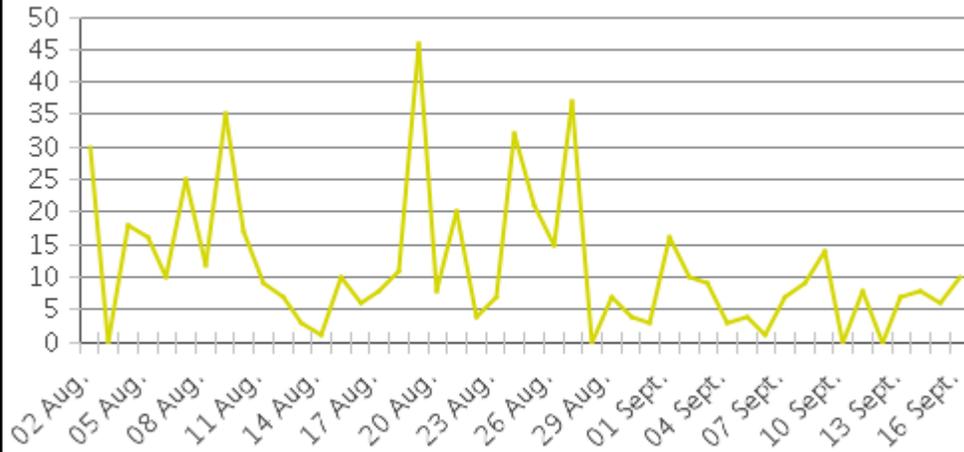
- IN: 56%
- OUT: 44%



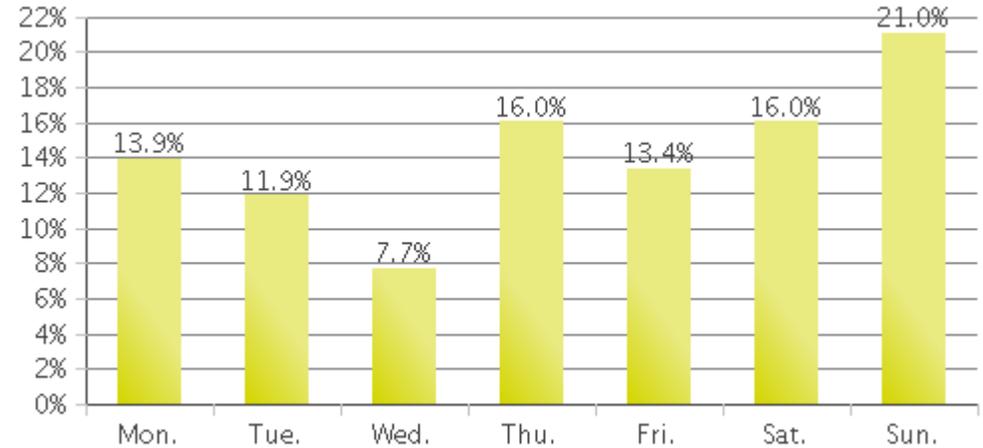
Ashuelot Rail Trail east of Recycle Way

Period Analyzed: Thursday, August 02, 2018 to Sunday, September 16, 2018

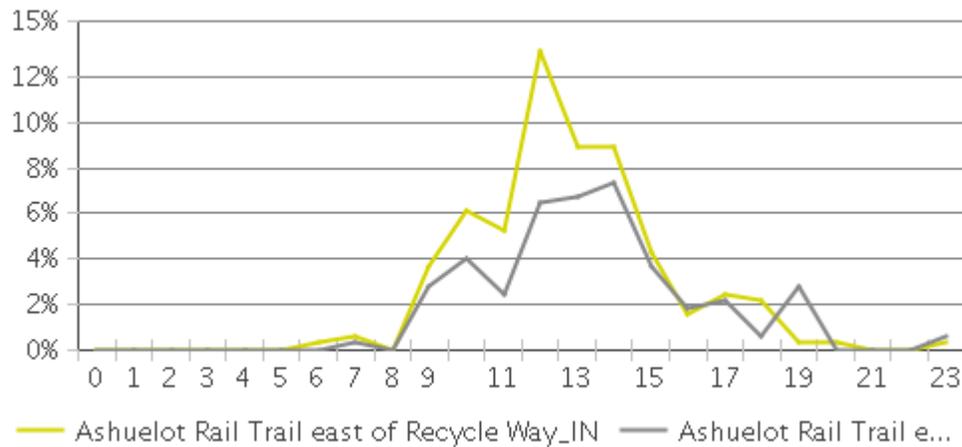
Daily Data



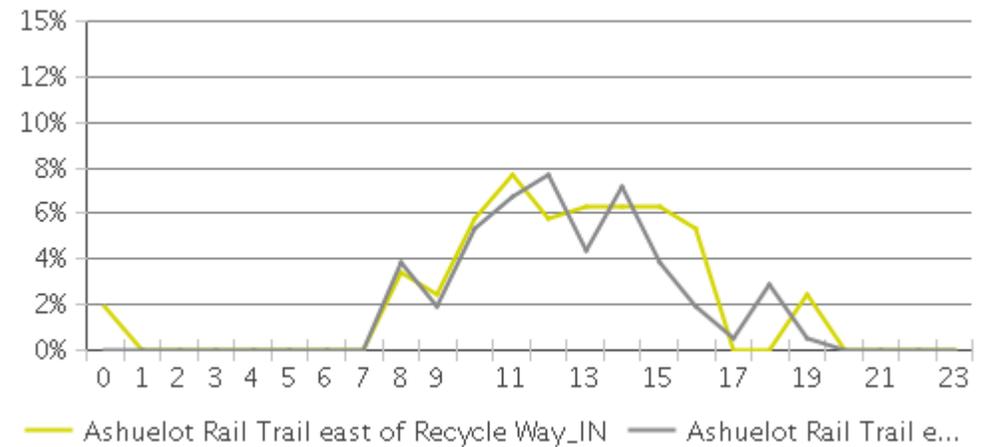
Weekly Profile



Hourly Profile during Weekdays



Hourly Profile during the Weekend





Ashuelot Rail Trail east of Gunn Mountai...

Period Analyzed: Thursday, August 02, 2018 to Sunday, September 16, 2018



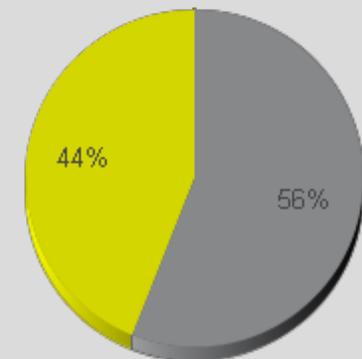
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Key Figures

- Total Traffic for the Period Analyzed: 4,919
- Daily Average: 107
 - Weekdays: 108 / Weekend days: 104
- Busiest Day of the Week: Thursday
- Busiest Days of the Period Analyzed:
 1. Thursday, August 09, 2018 (176)
 2. Friday, August 31, 2018 (173)
 3. Monday, August 06, 2018 (171)

• Distribution by Direction:

- IN: 44%
- OUT: 56%



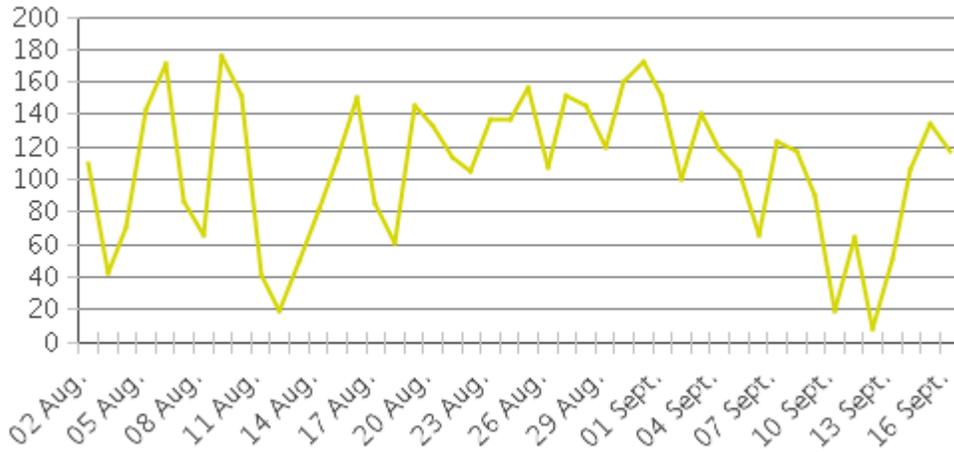


Ashuelot Rail Trail east of Gunn Mountai...

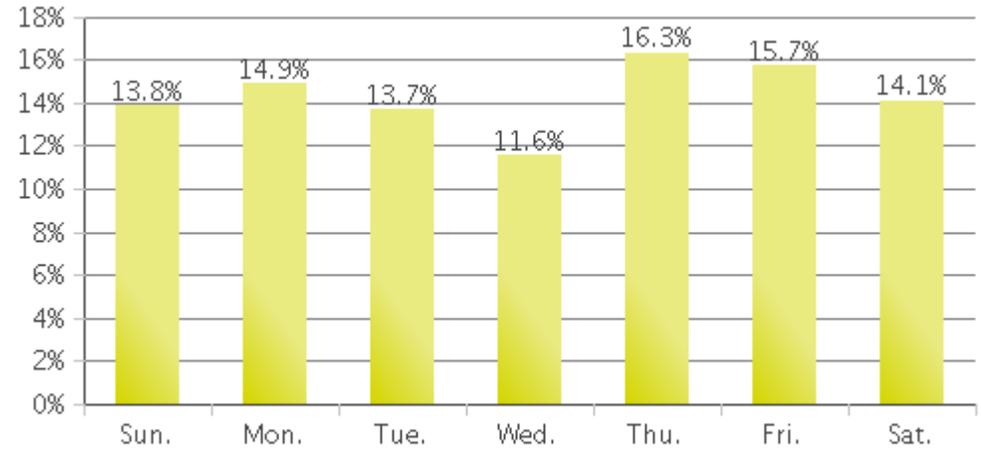
Period Analyzed: Thursday, August 02, 2018 to Sunday, September 16, 2018



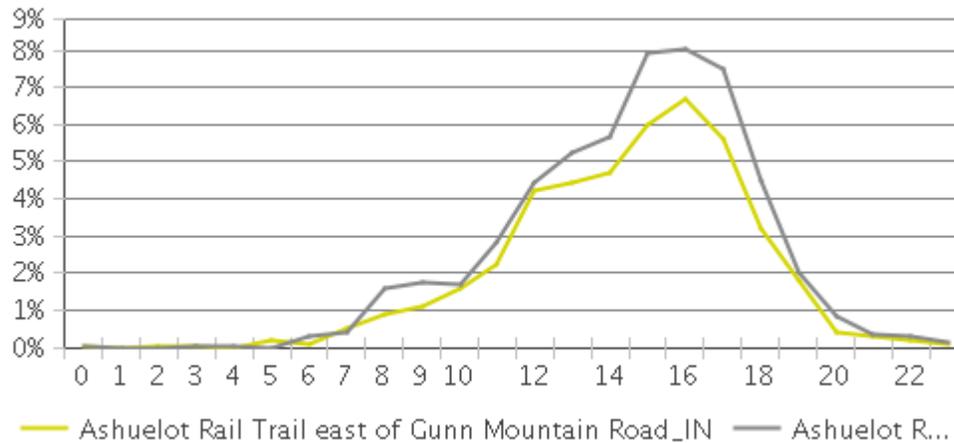
Daily Data



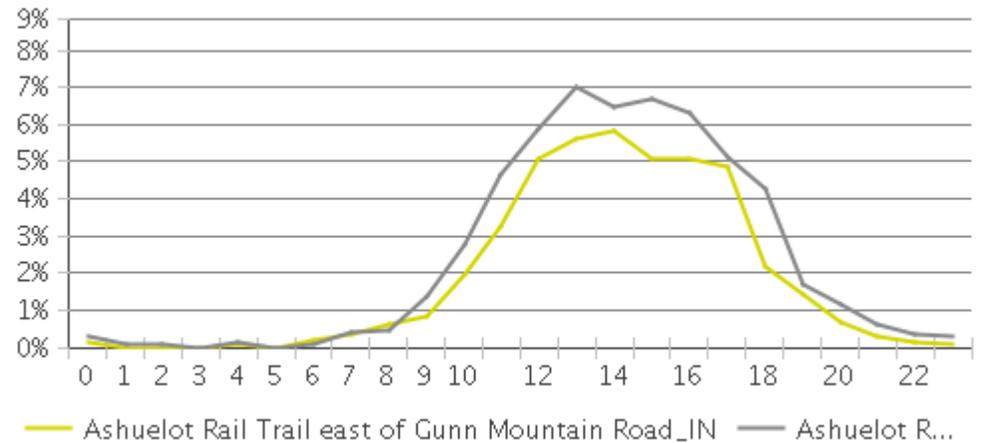
Weekly Profile



Hourly Profile during Weekdays



Hourly Profile during the Weekend



Ashuelot Rail Trail east of Depot Street

Period Analyzed: Thursday, July 12, 2018 to Tuesday, July 31, 2018

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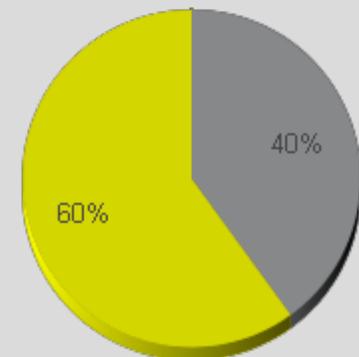
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Key Figures

- Total Traffic for the Period Analyzed: 505
- Daily Average: 25
 - Weekdays: 22 / Weekend days: 33
- Busiest Day of the Week: Saturday
- Busiest Days of the Period Analyzed:
 1. Sunday, July 15, 2018 (63)
 2. Thursday, July 19, 2018 (49)
 3. Saturday, July 21, 2018 (42)
- Distribution by Direction:

- IN: 60%
- OUT: 40%



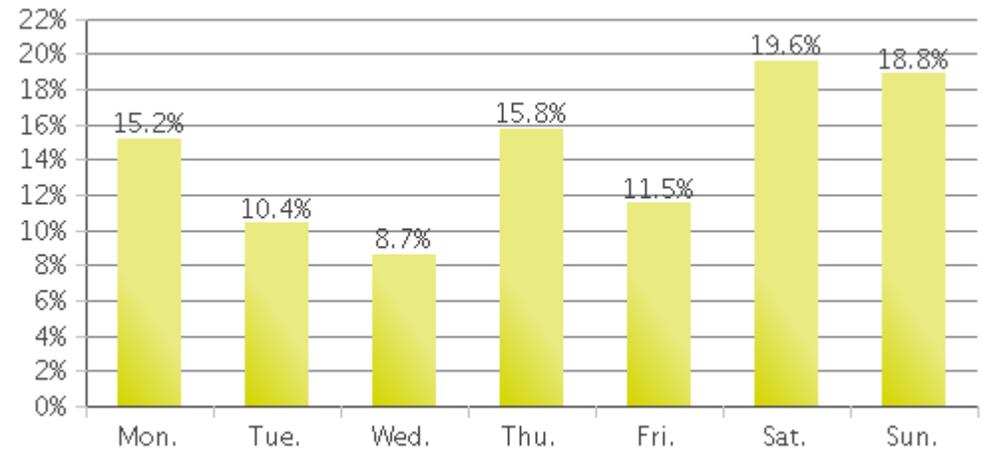
Ashuelot Rail Trail east of Depot Street

Period Analyzed: Thursday, July 12, 2018 to Tuesday, July 31, 2018

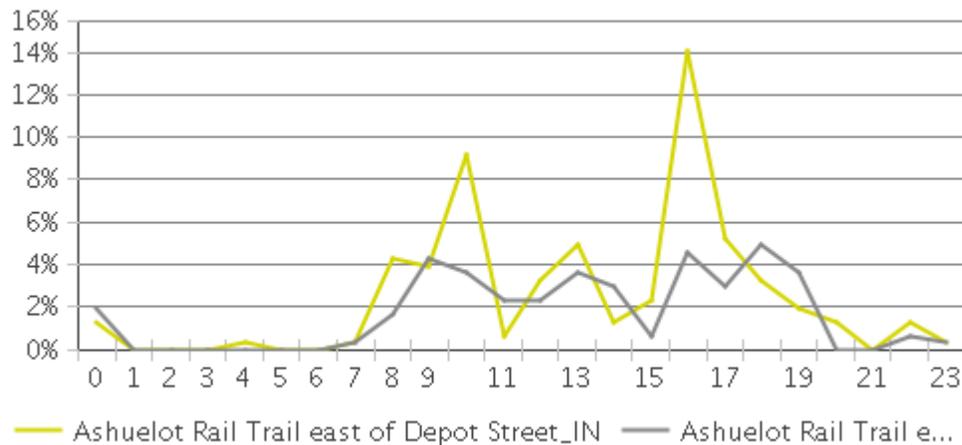
Daily Data



Weekly Profile



Hourly Profile during Weekdays



Hourly Profile during the Weekend

