

2016

# Capital District Trail User Counts



**CDTCC**  
CAPITAL DISTRICT  
TRANSPORTATION COMMITTEE



*2016 Capital District Trail User Counts prepared by Parks & Trails New York for the Capital District Transportation Committee on January 3, 2017*

### **About CDTC**

The Capital District Transportation Committee (CDTC) is the designated Metropolitan Planning Organization (MPO) for the Albany-Schenectady-Troy and Saratoga Springs metropolitan areas. CDTC is a forum for local elected officials and transportation representatives to share ideas and make decisions about major transportation capital investments, including bicycle and pedestrian infrastructure.

### **About PTNY**

Parks & Trails New York (PTNY) is the state's leading advocate for parks and trails, working since 1985 to expand, protect and promote a network of parks, trails and open spaces for use and enjoyment by all. PTNY has conducted trail counts across New York State for more than a decade.

### **Acknowledgements**

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## Executive Summary

The 2016 Capital District Trail User Counts were conducted by Parks & Trails New York (PTNY) for the Capital District Transportation Committee (CDTC). Counts were conducted during the month of September at 22 locations on nine multi-use trails in Albany, Rensselaer, Saratoga, and Schenectady Counties. These trails varied in length, surrounding density of development, and the number of access points. All nine trails allow multiple uses such as bicycling, walking, and rollerblading.

The counts used the National Bicycle and Pedestrian Documentation Project's methodology to ensure that accurate comparisons could be made between future counts at these locations and against other trail counts conducted across the United States and Canada using the same methodology. In accordance with this methodology, trail count assistants performed observational counts during two-hour peak usage periods on a Tuesday, Wednesday, or Thursday and on a Saturday of the same week. Electronic counters also collected seven continuous days' worth of data to supplement the observed count data.

These counts mark the second time CDTC has conducted trail user counts in the Capital District. The previous counts, conducted in 2006, used a different methodology and counted fewer locations, however, some comparisons, such as between gender and mode split, can be made.

The results from the 2016 Capital District Trail User Counts demonstrate significant variability in usage levels, mode and gender split, and peak usage periods across all 22 locations. Lions Park in Niskayuna, near the center of a 35-mile stretch of the Mohawk Hudson Bike-Hike / Erie Canalway Trail, experiences the highest estimated annual usage, with approximately 263,757 visits to the trail occurring annually. Lions Park was one of the seven locations that experiences estimated annual usage levels over 100,000 visits. Four locations experience estimated annual usage levels of less than 50,000 visits, including the location with the lowest estimated annual usage, 114th Street in Troy along the Uncle Sam Trail, which experiences 20,358 annual visits.

The average gender split across all 22 locations was 56% male and 44% female. The average mode split across all locations was 51% pedestrians, 48% bicyclists, and 1% other, which includes skateboarders, rollerbladers, and scooter users.

The most popular day of the week was Monday followed by Thursday. Among weekend days, Saturday was the busiest day at 13 locations. In general, weekday peak usage occurred between 12-6 PM and weekend peak usage occurred between 9 AM and 3 PM for a majority of locations counted.

As these counts demonstrate, trails across the Capital District are well used by a wide variety of people throughout the course of the day and week. While some locations experience higher levels of usage than others, this report does not try to make judgements regarding why, however, the observed data makes the case that some of the more popular locations benefit from high visibility and ease of accessibility by the public through signage, ample trailhead parking, and other amenities.

# Section I

## *Methodology and Analysis*

## Background and methodology

### Background

While many people anecdotally tout their community multi-use trail's popularity, trail counts can either confirm or clarify assertions by painting a clearer, more objective portrait of usage levels across several different time periods. For community leaders and transportation planners, trail counts demonstrate usage trends that can inform funding decisions regarding trail enhancements and additional trail development. Trail counts serve to answer three questions regarding trail usage: who is using the trail, how are they using the trail, and when are they using the trail?

In 2016, the Capital District Transportation Committee (CDTC), the metropolitan planning organization (MPO) for the Albany-Schenectady and Saratoga Springs urbanized areas, contracted with Parks & Trails New York (PTNY), the state's leading advocate for parks and trails, to conduct a trail user count for nine multi-use trails within its service region. CDTC last conducted trail user counts in 2006 as part of its 2006 Regional Trail Perspectives document. The 2016 Capital District trail user counts will once again be included in CDTC's forthcoming Regional Trail Perspectives update.

### Purpose

The purpose of the CDTC Trail Count is to measure usage or traffic at specific locations on nine Capital Region multi-use trails. The National Bike and Pedestrian Documentation Project (NBPDP) methodology, CDTC's discretion, and PTNY's previous experience conducting trail user counts informed the methodology for the 2016 count. This effort marks the first time in New York State that a MPO has employed NBPDP methodology to conduct a regional trail count.

### Methodology

The 2016 Capital District trail counts were performed in accordance with the National Bike and Pedestrian Documentation Project (NBPDP) protocol for assessing multi-use trails. The NBPDP is a nationwide effort, co-sponsored by Alta Planning + Design and the Institute of Transportation Engineers (ITE), which aims to provide a consistent model of data collection for use by planners, governments, and bicycle and pedestrian professionals.

### NBPDP Protocol

NBPDP was created based on the assumption that in order to estimate existing and future bicycle and pedestrian demand and activity, agencies across the United States need to collect use data in a consistent manner, as is the case with collection of data on motor vehicle use.

NBPDP sets the second week in September as the official annual national bicycle and pedestrian count and survey week because the weather is generally mild across the country, schools have been in session for several weeks, and people have returned from summer vacations.



NBPDP's manual count protocol specifies that individuals are to conduct counts on at least one weekday and one weekend day, during the same week. In addition, weekday counts are to be conducted for one- or preferably two-hour periods during times considered to be peak usage, and on only a Tuesday, Wednesday, and/or Thursday, and not on a holiday. Weekend counts are to be taken on Saturday. Counters are to observe and record both number of trail users passing their location, as well as basic information about these users including their travel mode (walking, biking, or other) and gender. A "Standard Screenline Count Form" is used to record this data.

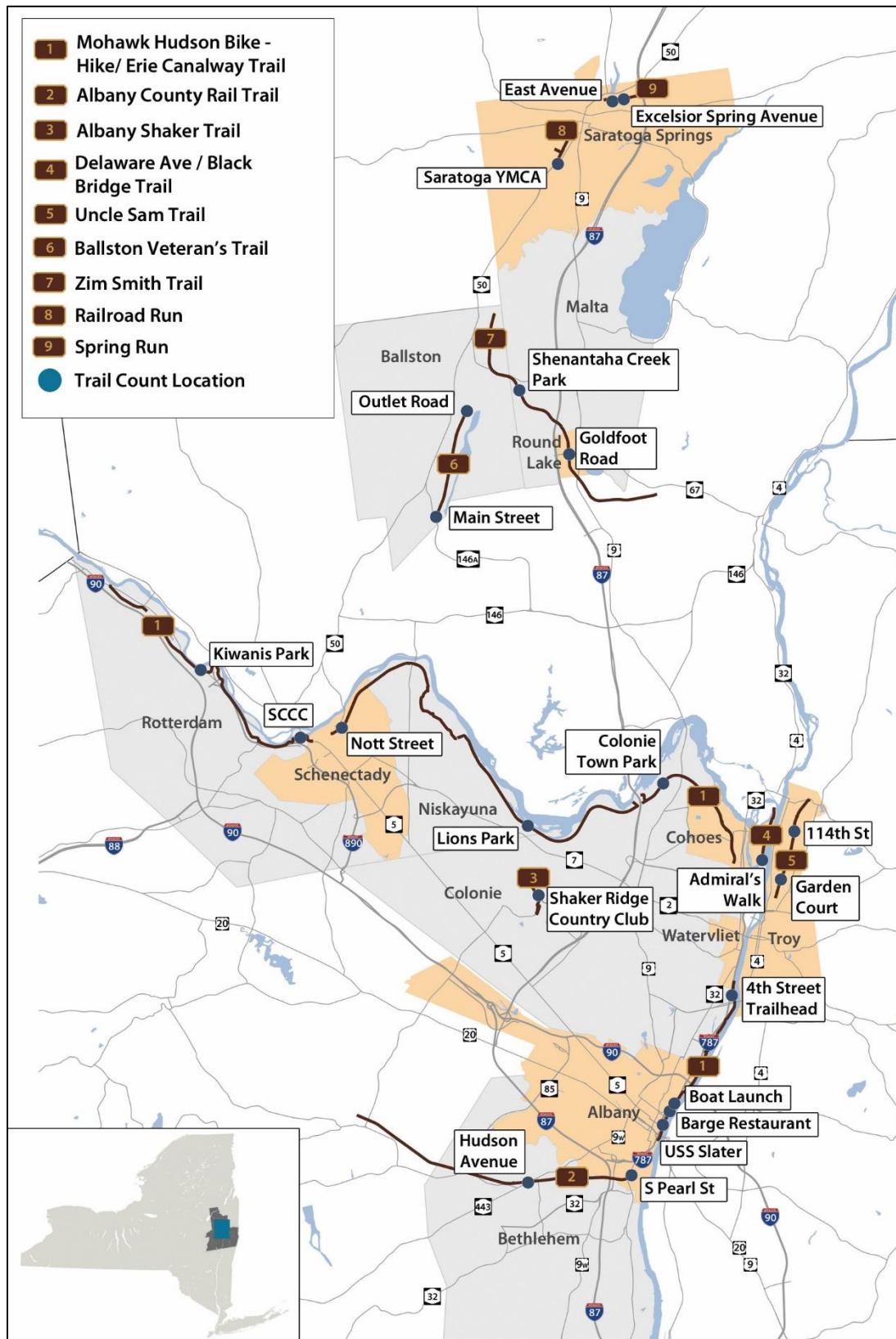
NBPDP also provides a "Background Data Sheet" to facilitate analysis of observed data and to allow researchers to test the impact of various background factors against count and survey results. These factors include surface type, land use and density near the count site, availability of access points and overall trail system connectedness, proximity and interaction with roadways, time, and weather conditions.

### **Count Locations**

CDTC chose three trails that were counted in the 2006 Regional Trail Perspectives, three trails constructed since 2006, and three that existed in 2006 but were not previously studied. These trails, all at least one mile in length, are major non-motorized transportation connections in the Capital District. Each trail had at least one data collection point, and six trails had multiple locations. In total, counts were conducted at 22 locations. See Figure 1 for a map of the trails and count locations contributing to this report and Table 1 for characteristics of the trails where counts were conducted.

CDTC predetermined the count locations based on previous regional counts and on the places it chose to conduct trail user surveys during June and July. Almost all counts were conducted close to a trailhead that had trail parking nearby, to ensure a majority of trail users would be captured by the counters. For the Mohawk Hudson Bike-Hike Trail, which passes through multiple municipalities and has a significantly higher number of trailheads than the other trails in the Capital District, traffic was counted at popular parks that serve as de facto gateways to the trail.

**Figure 1 - Capital District Trail Count Locations**



**Table 1 – Capital District Trail Count multi-use trails and their characteristics**

| Trail Name                                    | Length    | Surface             | Permitted Uses  |
|---|-----------|---------------------|---|
| Mohawk Hudson Bike-Hike / Erie Canalway Trail | 35 miles  | Paved               | Non-motorized <sup>1</sup> , fishing, snowmobiling (west of Kiwanis Park) |
| Albany County Helderberg-Hudson Rail Trail    | 9 miles   | Paved and stonedust | Non-motorized   |
| Albany Shaker Trail                           | 1.3 miles | Paved               | Non-motorized   |
| Delaware Avenue / Black Bridge Trail          | 2.1 miles | Paved               | Non-motorized   |
| Uncle Sam Trail                               | 3.5 miles | Paved               | Non-motorized   |
| Ballston Veterans Trail                       | 3.1 miles | Paved               | Non-motorized, horseback riding, and fishing                              |
| Zim Smith Trail                               | 10 miles  | Paved and stonedust | Non-motorized and snowmobiling  |
| Railroad Run                                  | 1.3 miles | Paved               | Non-motorized   |
| Spring Run                                    | 1.1 miles | Paved               | Non-motorized   |

The area surrounding each count location varied between rural, suburban, and urban. These classifications are simply based on the density of the development for the area surrounding the trail count location. Only two locations (Main Street on the Ballston Veterans Trail in Ballston and Kiwanis Park on the MHBHT in Rotterdam) are considered rural. 10 locations are considered suburban and another 10 locations are considered urban. High density locations, such as the Corning Riverfront Park locations in Albany and Nott Street in Schenectady along the MHBHT, are located adjacent to major people generators, such as a regionally-significant central business district in Albany and Union College and a central business district in Schenectady. Rural locations such as Kiwanis Park in Rotterdam, which is largely cut off from adjacent development due to topographic barriers and the beginning of Interstate 890, presumably rely more on the availability of trailhead parking areas to generate usage. See Table 2 for a list of each count location and the surrounding classification.

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<sup>1</sup> Non-motorized uses include bicycling, walking, jogging, cross-country skiing, and snowshoeing



**Table 2: Capital District Trail Count Locations**

| Count Location                             | Trail   | Municipality     | Surrounding Land Use |
|--|---|------------------|----------------------|
| Hudson Avenue                              | Albany County Helderberg-Hudson Rail Trail (ACHHRT)   | Bethlehem        | Suburban             |
| South Pearl Street                         | ACHHRT  | Albany           | Urban                |
| Shaker Ridge Country Club                  | Albany Shaker Trail                                   | Colonie          | Suburban             |
| Outlet Road                                | Ballston Veterans Trail                               | Ballston         | Rural                |
| Main Street                                | Ballston Veterans Trail                               | Ballston         | Suburban             |
| Admiral's Walk                             | Delaware Ave / Black Bridge Trail                     | Cohoes           | Urban                |
| Kiwanis Park                               | Mohawk Hudson Bike-Hike / Erie Canalway Trail (MHBHT) | Rotterdam        | Rural                |
| Schenectady County Community College       | MHBHT   | Rotterdam        | Urban                |
| Nott Street                                | MHBHT   | Schenectady      | Urban                |
| Lions Park                                 | MHBHT   | Niskayuna        | Suburban             |
| Colonie Town Park                          | MHBHT   | Colonie          | Suburban             |
| 4th St Trailhead                           | MHBHT   | Watervliet       | Urban                |
| Corning Riverfront Park - Boat Launch      | MHBHT   | Albany           | Urban                |
| Corning Riverfront Park – Barge Restaurant | MHBHT   | Albany           | Urban                |
| Corning Riverfront Park – USS Slater       | MHBHT   | Albany           | Urban                |
| Saratoga YMCA                              | Railroad Run  | Saratoga Springs | Suburban             |
| East Avenue                                | Spring Run  | Saratoga Springs | Suburban             |
| Excelsior Spring Avenue                    | Spring Run  | Saratoga Springs | Suburban             |
| 114th Street                               | Uncle Sam Trail                                       | Troy             | Urban                |
| Garden Court                               | Uncle Sam Trail                                       | Troy             | Urban                |
| Shenantaha Creek Park                      | Zim Smith Trail                                       | Malta            | Suburban             |
| Goldfoot Road                              | Zim Smith Trail                                       | Round Lake       | Suburban             |

### Count Schedule

CDTC chose September to perform the counts based on NBPDP protocol, which assumes that it is the month that best represents typical fair weather usage so as to establish an accurate baseline for monthly, seasonal, and annual usage estimates. Electronic counts were undertaken in seven-day periods during the weeks of September 2-8, 12-18, and 20-26. The observational counts were conducted during the weeks of September 10 and 17 and September 24.

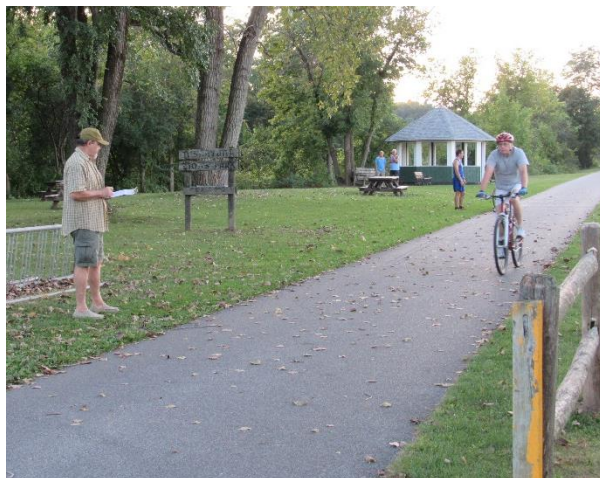
## Electronic Counts

While the NBPD protocol was developed for manual counts, its creators encourage the use of automatic trail counters. Thus, electronic passive infrared counters were installed at each of the 22 count locations to monitor traffic continuously for seven days. PTNY chose these counters based on their reputation for accuracy and because PTNY has used them for more than five years to conduct counts on other trails across the state.



The electronic counter is a non-descript box that contains a sensor that detects the infrared radiation emitted by a human. The counters continuously record trail usage in regardless of the time of day or weather conditions. The data is recorded as a sum of usage during a 60-minute interval. The counters have built-in security features that make them difficult to remove or vandalize. The counter must be installed approximately 36 inches off the trail surface and can detect activity from up to 13 feet away.

For most locations, the electronic counters were installed where the observed count was conducted. For locations where this wasn't possible, a 0.25-mile leeway was established for installation. At 10 locations, PTNY installed bi-directional counters that could measure direction of user travel so as to determine if there were any discernable trends such as higher usage levels between 4 and 6 PM going away from large employment centers.



## Observational Counts

PTNY used 16 trail count assistants to perform two observational counts at the 22 locations. PTNY supplied each trail count assistant with a NBPD screenline count form for each time period for which they were scheduled.

These observational counts were necessary to supplement the automatic counts because the electronic counters are unable to distinguish between mode (bicyclists, pedestrians, skateboarder, etc.) or gender. The observational counts also served

as a way to verify the accuracy of the electronic counter if anomalies appeared during overlapping count periods.

Observational counts occurred on a Tuesday, Wednesday, or Thursday and on a Saturday during a predetermined two-hour peak period for each location. Saturday peak period was from 12-2 PM and

weekday peak period generally was from 5-7 PM for 18 trail count locations. Four trail count locations, (Corning Riverfront Park Boat Launch, Barge Restaurant, USS Slater, and Shaker Ridge Country Club), weekday peak periods were determined to be from 12-2 PM due to their proximity to major employment centers.

## **Data Analysis**

Daily and hourly usage levels were derived directly from the seven full days of automatic count data. This data also informed a daily usage profile that shows average weekday and weekend usage, maximum week day, maximum weekend day, and peak two-hour period for a weekday and weekend. To determine mode share and gender split for each location, PTNY averaged the data collected during the two observational counts. Data from each location was also used to estimate annual, seasonal, and monthly usage.

To calculate annual estimates for each location, PTNY multiplied the weekly total from the automatic counter by number of weeks in the month of September and then extrapolated to a full year estimate using NBDPD-derived extrapolation factors that correspond to New York's climate.

All Capital District trail count locations are within NBDPD's "short summer, long winter" climate classification which assumes that the month of September represents 11% of annual trail traffic. To get the annual estimate, PTNY divided the September monthly total by 11%.

To calculate the estimate for an individual month, PTNY divided the annual estimate by the respective month's NBDPD factor. To calculate the seasonal totals, PTNY added the monthly totals – or proportional amounts – that correspond to each season.

## **Differences Between the 2016 and 2006 Trail Counts**

Comparisons between the 2016 and 2006 trail counts can be made on a limited basis because the 2006 count occurred prior to creation of the NBDPD protocol for manual counts and standardized use of NBDPD adjustment factors and extrapolation worksheets to estimate annual use.

In addition, in 2006 three trail systems were assessed by counting at 11 locations. In 2016, the number of trails assessed increased to nine, with counts taken at 22 locations.

In 2006, each trail location was monitored on two weekdays and two weekend days for twelve hours each day. The counting occurred from early summer through early October. That represents significantly more observation than the current effort's two counts of two hours at each location, confined to two weeks in September.

A significant difference between the 2016 and 2006 counts was also the use of electronic trail counters, which resulted in a dramatic decrease in the time volunteers spent observing trail usage. Monitoring each trail location for seven days with an electronic counter allowed a more accurate estimation of annual use, and allows the manual count to be primarily focused on mode and gender share. As a result, from 2006 to 2016 the manual count form was simplified to include only gender and travel mode. In 2006 counters were asked to also count runners, walkers, skaters, bicyclists, and others, as well as users with dogs or



children, record helmet use, and estimate the age of trail users. Surveys collected at the same or very close by locations as the count locations supplement the count data in each study.

Another major difference between the two count efforts was in the methods used to analyze count data and generate annual use estimates. The 2006 count estimated annual use on a given trail by taking an observed day's use and multiplying by the average number of days that were above 60 degrees and without rain in New York's climate, which represents about 107 days according to the report. The authors then provided an estimate of use during the other 6.5 months in the year based on daily observations made during a few cold, rainy days in October.

# Section II

## *Findings*

Trail visitors use trails as part of a regular recreational routine or as part of their commute throughout the course of a week, month, or year. However, while the NBPDP factors take into account the fact that trail users may pass the counter multiple times during the course of the count it cannot distinguish between people who are counted multiple times. Therefore, it is important to clarify that usage does not mean the number of people using a trail during a specific period but the number of visits, often characterized as trail traffic volume.

## Estimated Annual Usage

Estimated annual usage ranged from 20,358 visits at 114th St on Troy's Uncle Sam Trail to 263,757 visits at Niskayuna's Lions Park on the Mohawk Hudson Bike-Hike / Erie Canalway Trail (MHBHT). See Table 3 for a ranking of the 22 count locations and Figure 2 for a map of each trail count location's estimated annual usage.

The top three locations for highest annual usage were on the MHBHT, ranging from 184,509 to 263,757 visits. This result is not surprising as the trail passes through many of the Capital District's largest communities and it is part of the popular 360-mile Erie Canalway Trail that runs between Buffalo and Albany.

The recently-opened Albany County Helderberg-Hudson Rail Trail (ACHHRT) ranked number four in terms of estimated annual usage with 164,073 visits. The trail is easily accessed from inner-ring City of Albany suburban communities and affords commuting opportunities to the city. Other trail count locations with high levels of usage include the Shaker Ridge Country Club on the Albany Shaker Trail and the Saratoga YMCA on Railroad Run. The former is located in the most populous town in Albany County adjacent to a large office park and the latter links the extensive Saratoga Spa State Park trail system with a large YMCA facility in the City of Saratoga Springs.

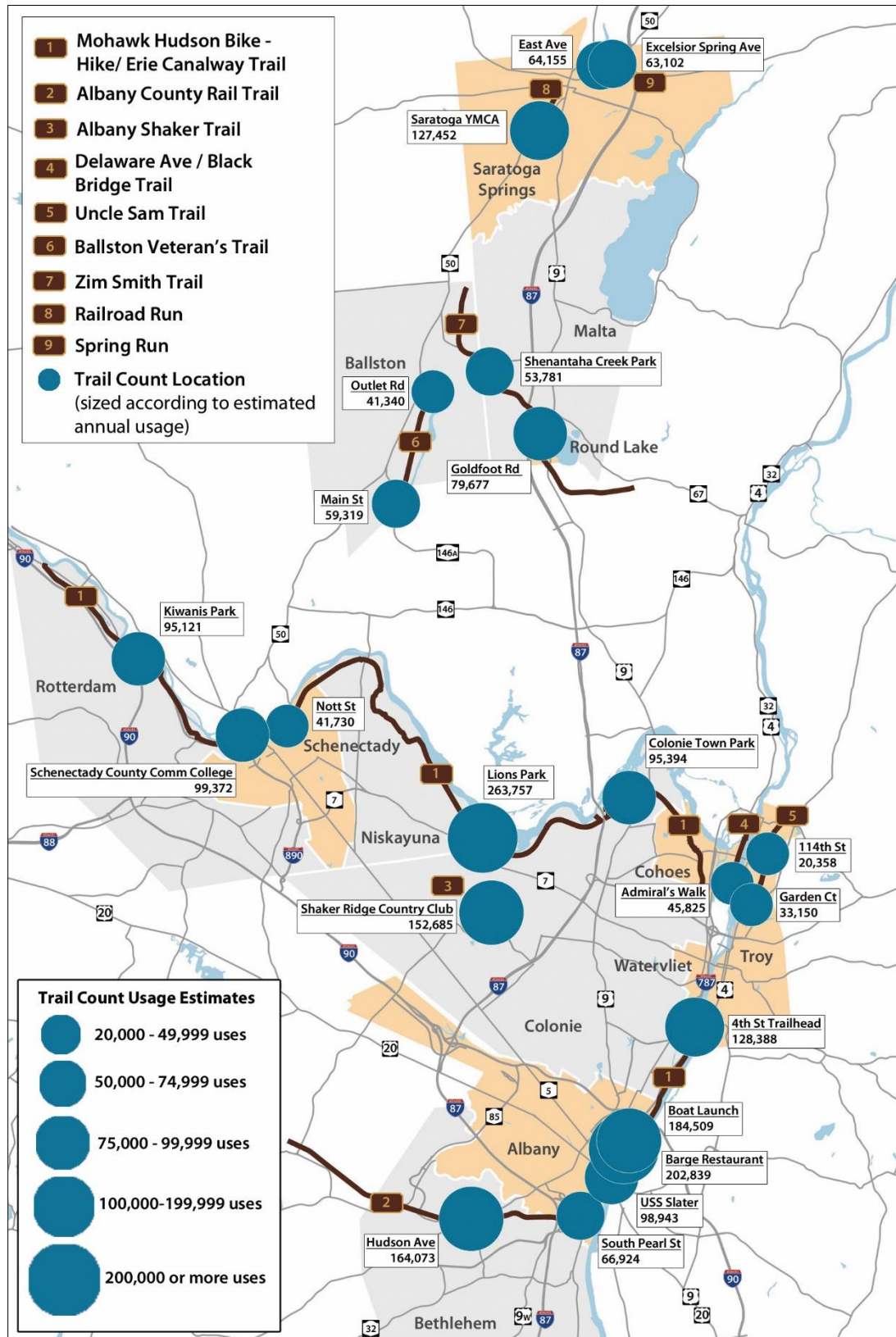
It's difficult to determine whether density can predict estimated annual usage for the locations counted. For example, despite the urban density surrounding both count locations along the Uncle Sam Trail in Troy, the trail had the two locations with the lowest estimated annual usage. Similarly, the Nott Street location along the MHBHT had the third lowest estimated annual usage. The highest usage location at Lions Park in Niskayuna was surrounded by suburban density, while the next two highest usage locations were surrounded by the higher density of Downtown Albany. Data from the trail user surveys CDTC conducted separately from these counts in July, such as a person's zip code and the availability of trailhead parking, may point to other reasons why certain locations in suburban and rural areas may be more popular than some urban trail count locations.



**Table 3 - Estimated Annual Usage at Capital District Trail Count Locations**

| Location  | Estimated Annual Usage | Trail  |
|---|------------------------|--|
| Lions Park, Niskayuna                           | 263,757                | Mohawk Hudson Bike-Hike/ Erie Canalway Trail (MHBHT) |
| Barge Restaurant, Albany                        | 202,839                | MHBHT  |
| Boat Launch, Albany                             | 184,509                | MHBHT  |
| Hudson Ave, Bethlehem                           | 164,073                | Albany County Helderberg-Hudson Rail Trail (ACHHRT)  |
| Shaker Ridge Country Club, Colonie              | 152,685                | Albany Shaker Trail                                  |
| 4 St Trailhead, Watervliet                      | 128,388                | MHBHT  |
| Saratoga YMCA, Saratoga Springs                 | 127,452                | Railroad Run   |
| Schenectady County Community College, Rotterdam | 99,372                 | MHBHT  |
| USS Slater, Albany                              | 98,943                 | MHBHT  |
| Colonie Town Park, Colonie                      | 95,394                 | MHBHT  |
| Kiwanis Park, Rotterdam                         | 95,121                 | MHBHT  |
| Goldfoot Rd, Round Lake                         | 79,677                 | Zim Smith Trail                                      |
| South Pearl St, Albany                          | 66,924                 | ACHHRT   |
| East Ave, Saratoga Springs                      | 64,155                 | Spring Run   |
| Excelsior Spring Ave, Saratoga Springs          | 63,102                 | Spring Run   |
| Main St, Ballston                               | 59,319                 | Ballston Veterans Trail                              |
| Shenantaha Creek Park, Malta                    | 53,781                 | Zim Smith Trail                                      |
| Admiral's Walk, Cohoes                          | 45,825                 | Delaware Ave / Black Bridge Trail                    |
| Nott St, Schenectady                            | 41,730                 | MHBHT  |
| Outlet Rd, Ballston                             | 41,340                 | Ballston Veterans Trail                              |
| Garden Court, Troy                              | 33,150                 | Uncle Sam Trail                                      |
| 114 St, Troy                                    | 20,358                 | Uncle Sam Trail                                      |

**Figure 2 - Annual trail usage estimates**

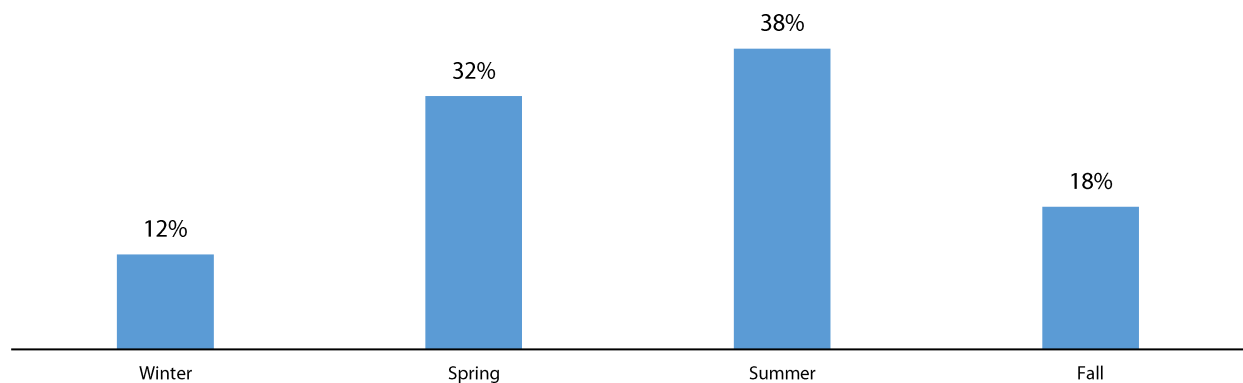


## Estimated Seasonal and Monthly Usage

### Seasonal usage estimates

All of the Capital District trail count locations are located in the “long winter, short summer” NBPDP climate classification. As a result, each of the trail count locations had an identical breakdown in estimated seasonal usage. Summer represents the largest share of usage (38%), followed by spring (32%), fall (18%), and winter (12%). For detailed seasonal usage estimates for each location, refer to Section III.

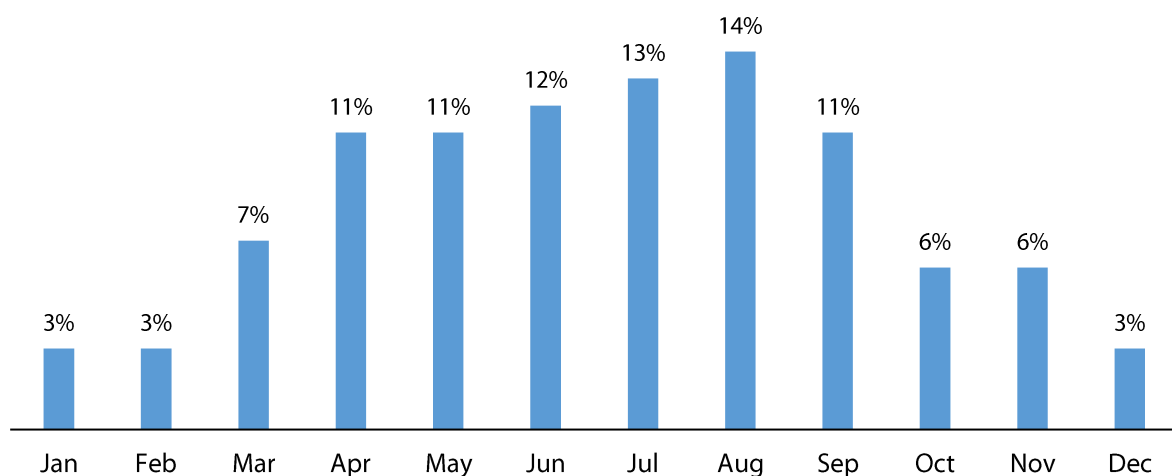
**Figure 3 - "Long winter, short summer" seasonal usage distribution**



### Monthly usage estimates

Similarly, the monthly usage estimates follow an identical distribution for all 22 Capital District trail count locations. A detailed monthly estimate for each location is located in Section III.

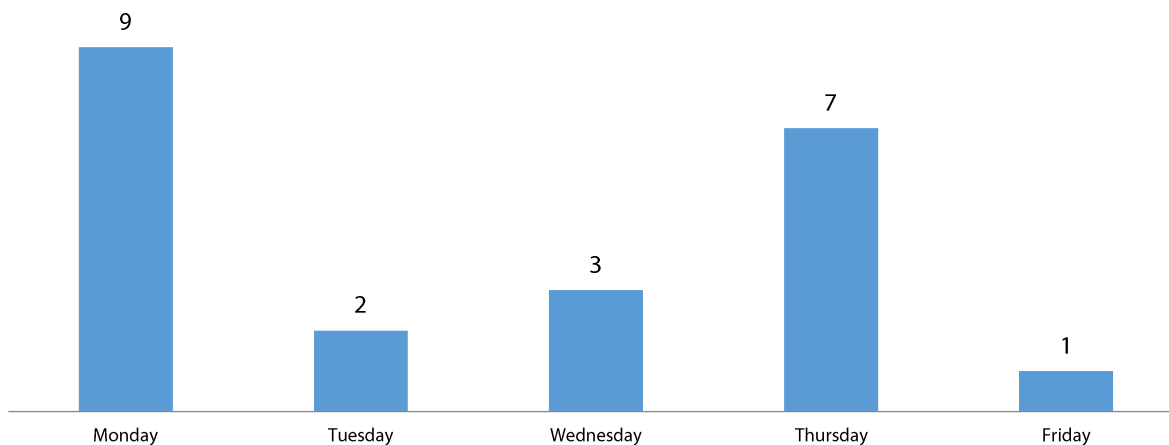
**Figure 4 - "Long winter, short summer" monthly usage distribution**



## Estimated Daily Usage

As Figure 5 indicates below, Monday and Thursday were the most popular weekdays for visits to 16 of the 22 count locations, with nine and seven trail count locations, respectively, registering their highest weekday usage day on one of those days. For weekend visits, Saturday was the most popular day at 13 locations and Sunday was the busiest weekend day at nine locations.

**Figure 5 - Busiest weekday distribution**



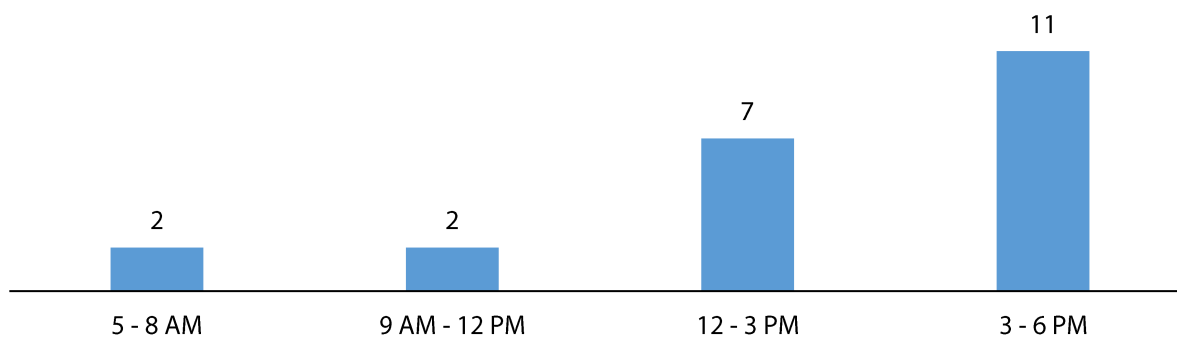
### Peak Usage Period

Each location had a two-hour peak usage period that fell within each of these general time periods: early AM (5-8 AM), late AM (9 AM-12 PM), early PM (12-3 PM), late PM (3-6 PM). The results from the automatic counters demonstrate that many locations actually experience peak usage outside the predetermined NBPD periods of 12-2 PM and 5-7 PM. In general, however, weekday peak usage occurs between 12-6 PM and weekend peak usage occurs between 9 AM and 3 PM for a majority of locations counted.

### Peak weekday usage

The afternoon was the most popular weekday usage period. The early PM period and the late PM periods were each most frequented at seven and 11 count locations respectively. Two locations experienced peak weekday usage during the early AM period and two during the late AM period.

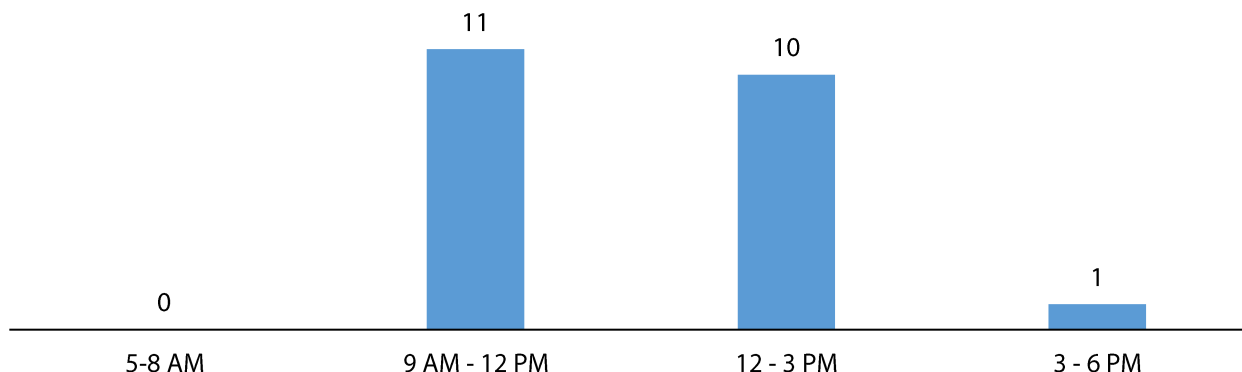
**Figure 6 - Peak weekday usage period**



## Peak weekend usage

All locations except for one saw peak weekend usage during the Late AM and Early PM periods. Half of the locations experienced peak weekend usage during the Late AM and Early PM was the peak usage period at 10 locations. One location experienced peak weekend usage during the Late PM period.

**Figure 7 - Peak weekend usage period**

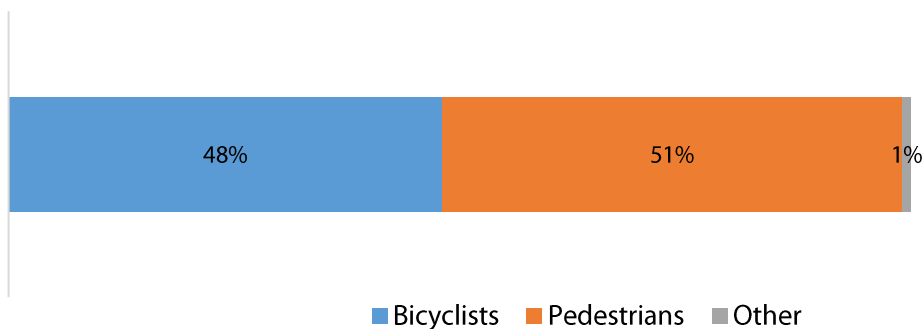


## Mode Split

In addition to the obvious classifications of people riding bicycles as bicyclists and walkers and joggers as pedestrians, NBPDP classifies people using strollers as pedestrians and skateboarders, rollerbladers, and scooter users as “other.” When results from all 22 count locations were averaged, pedestrians represented 51% of trail users. Pedestrian percentages varied widely from a high of 97% at the Shaker Ridge Country Club on the Albany Shaker Trail to just 17% of trail users at Kiwanis Park on the MHBHT.

Bicyclists represented 48% of trail users counted and 1% of trail users were classified as “other.” Bicyclists’ share ranged from a high of 83% of trail users at Kiwanis Park to just 3% of trail users at Shaker Ridge Country Club. Rollerbladers made up 8% of trail users observed at Main Street on the Ballston Veterans Trail, the largest percentage for all 22 locations. At nine locations, only bicyclists and pedestrians were observed.

**Figure 8 - Overall Mode Split**



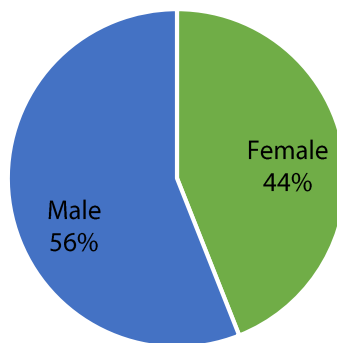


## Gender Split

On average, females represented 44% of users and males represented 56%. Males made up the majority of trail users at 18 of the 22 count locations. At Admiral's Walk on the Delaware Avenue / Black Bridge Trail in Cohoes they represented 70% of usage. The greatest percentage of females (67%) were counted at Shaker Ridge Country Club on the Albany Shaker Trail in Colonie, while the lowest percentage of females (30%) were counted at Admiral's Walk.

On average, 17% of observed usage was female bicyclists and male bicyclists comprised 32% of usage. Female pedestrians comprised 27% of usage on average, which was only slightly higher than males, which made up 25% of observed users.

**Figure 9 - Gender split across all locations**



## Comparisons to Other Counts

Many of the findings from the 2016 counts can be compared to counts conducted previously at the same locations. Appendix E includes estimates from trail counts conducted by Parks & Trails New York as part of an annual Canalway Trail count, the Capital District Transportation Committee for the 2006 Trail Perspectives, and by the NYS Office of Parks, Recreation, and Historic Preservation as part of a 2015 statewide trail count. PTNY and NYSOPRHP both used NBPDP methodology to estimate annual usage amounts, and as previously mentioned, CDTC conducted the counts before NBPDP methodology existed and therefore used a different methodology.

While there are differences between the 2006 and 2016 methodologies, some comparisons between the two counts can be made, specifically with regard to gender and mode split at the 11 locations where both counts occurred. These comparisons are made in Table 4.

Males comprised a majority of users in both 2006 and 2016. The number of locations where pedestrians represented the largest share of users declined from five to three between the 2006 and 2016 counts. Bicyclists' share increased at six locations. The largest increase in the share of bicyclists was the largest at

Garden Court, where bicyclists' share increased from 27% of users in 2006 to 63% in 2016. Pedestrians' share of users increased at four locations.

**Table 4: Gender and mode split comparisons, 2006 – 2016**

| Location                             | Gender split, 2016 |      | Gender split, 2006 |      | Mode split, 2016 |       |       | Mode split, 2006 |       |       |
|--------------------------------------|--------------------|------|--------------------|------|------------------|-------|-------|------------------|-------|-------|
|                                      | Female             | Male | Female             | Male | Bikers           | Peds. | Other | Bikers           | Peds. | Other |
| Corning Riverfront Park <sup>2</sup> | 44%                | 56%  | 37%                | 63%  | 32%              | 67%   | 1%    | 37%              | 56%   | 7%    |
| 4 <sup>th</sup> St. Trailhead        | 38%                | 62%  | 36%                | 64%  | 73%              | 26%   | 1%    | 63%              | 34%   | 4%    |
| Colonie Town Park                    | 40%                | 60%  | 44%                | 56%  | 65%              | 33%   | 2%    | 49%              | 50%   | <2%   |
| Lions Park                           | 47%                | 53%  | 42%                | 58%  | 46%              | 53%   | 1%    | 48%              | 42%   | 10%   |
| Nott St.                             | 36%                | 64%  | 25%                | 75%  | 66%              | 34%   | 0%    | 54%              | 46%   | <1%   |
| SCCC                                 | 39%                | 61%  | 33%                | 67%  | 59%              | 38%   | 2%    | 52%              | 48%   | <1%   |
| Kiwanis Park                         | 35%                | 65%  | 34%                | 66%  | 83%              | 17%   | 0%    | 77%              | 21%   | 2%    |
| Goldfoot Rd.                         | 46%                | 54%  | 40%                | 60%  | 51%              | 48%   | 1%    | 55%              | 43%   | 2%    |
| Shenantaha Cr. Park                  | 44%                | 56%  | 48%                | 53%  | 65%              | 34%   | 1%    | 39%              | 60%   | 1%    |
| Garden Court                         | 41%                | 59%  | 28%                | 73%  | 63%              | 37%   | 0%    | 27%              | 63%   | 11%   |
| 114 <sup>th</sup> St.                | 35%                | 65%  | 32%                | 68%  | 23%              | 77%   | 0%    | 25%              | 66%   | 9%    |

## Recommendations for Future Counts

It's important to continue to collect usage data for multi-use trails in the Capital District due to ever changing commuting and recreational preferences. Moreover, understanding how usage trends change over time can help inform future decisions to expand and enhance the existing regional trail network. Planning for any future counts should consider the following recommendations.

- **Maintain NBPDP methodology:** since NBPDP is a recognized national standard for collecting trail usage data and so comparisons between counts can easily and accurately be made, any future count should employ this methodology. Moreover, future counts should keep the locations

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<sup>2</sup> 2016 gender and mode split are averages of all three locations within the Corning Riverfront Park

consistent, or at least be able to justify adding or subtracting locations, to ensure that accurate comparisons over time can be made.

- **Conduct trail user counts more frequently:** since 2006, several miles of new trail have been built or enhanced in the Capital District. Development patterns have also changed during that time. To avoid missing out on how these changes can affect usage, it's important to collect data more frequently than once every ten years. While it may not be feasible to conduct regional counts on the scale of what was done in 2006 and 2016 every year, conducting counts on a rotating basis over the course of one or two years may be a more manageable and proactive approach that can produce the same amount of data the decennial counts have provided.
- **Increase the usage of electronic counter equipment:** adding electronic counters to the 2016 Capital District Trail User Counts allowed CDTC to collect more usage information with less manpower. Any future counts should, however, require that counters remain in place for longer than a week; ideally, the counters should remain in place for a full year. Collecting more electronic usage data would allow CDTC to more confidently determine peak usage periods, which may vary by location, and other usage patterns that may not be discoverable over the course of a week.
- **Expand the number of observed count periods:** while NBPDP methodology permits a two-hour weekday and a two-hour weekend count period per location, it would be valuable to collect more observational data over a greater duration and number of days for many of the same reasons why more electronic usage data should be recorded.

## Section III

### *Capital District Trail Count Profiles*

## Albany County Rail Trail

Albany and Bethlehem

Trail length – 9 miles

### Estimated Annual Usage

|                        |         |
|------------------------|---------|
| Hudson Ave (Bethlehem) | 164,073 |
| S Pearl St (Albany)    | 66,924  |

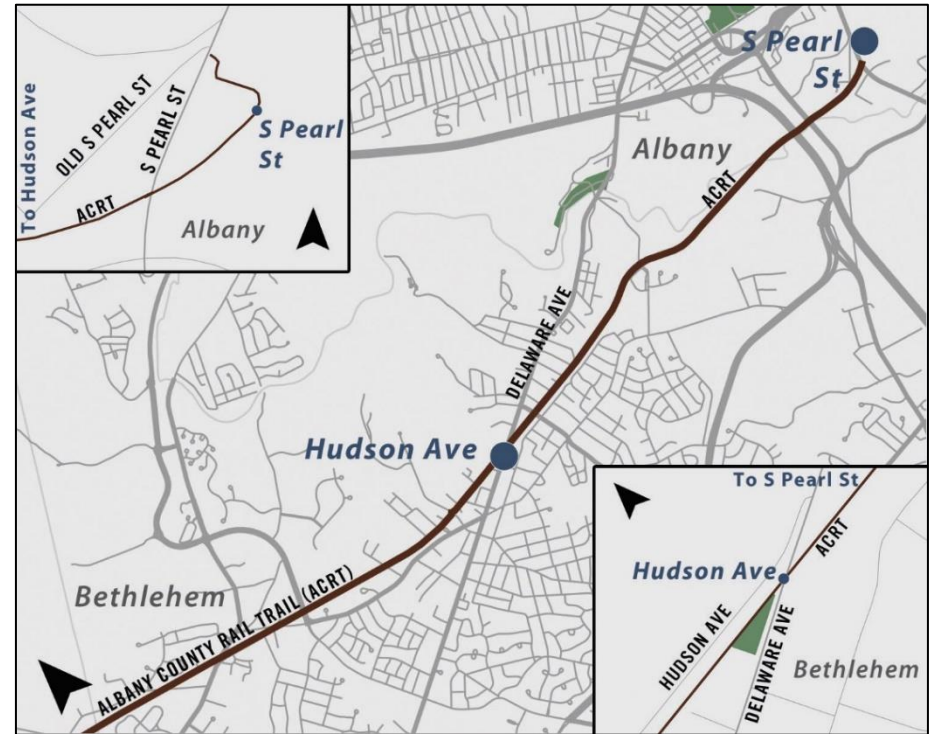
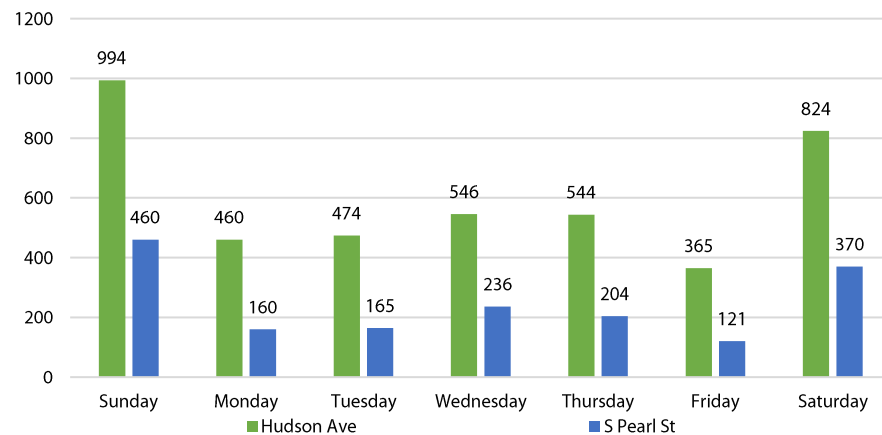
### Estimated Seasonal Usage

|        | Hudson Ave | S Pearl St |
|--------|------------|------------|
| Winter | 19,164     | 7,817      |
| Spring | 53,078     | 21,650     |
| Summer | 62,889     | 25,652     |
| Fall   | 28,942     | 11,805     |

### Usage Mode Split

|             | Hudson Ave | S Pearl St |
|-------------|------------|------------|
| Bicyclists  | 70%        | 76%        |
| Pedestrians | 29%        | 22%        |
| Other       | 2%         | 2%         |

### Daily Usage



### Daily Usage Profile

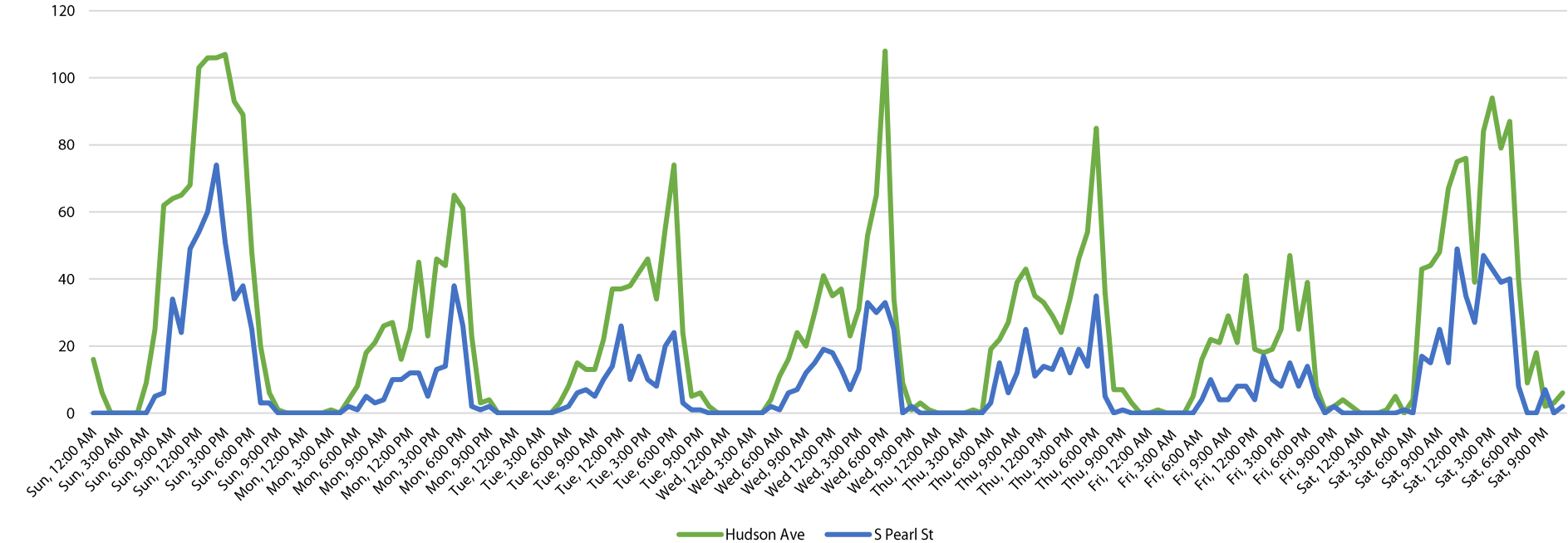
|                    | Hudson Ave        | S Pearl St     |
|--------------------|-------------------|----------------|
| Average weekday    | 478               | 177            |
| Average weekend    | 909               | 415            |
| Maximum weekday    | Wednesday         | Wednesday      |
| Maximum weekend    | Sunday            | Sunday         |
| Peak weekday usage | Wednesday, 5-7 PM | Monday, 5-7 PM |
| Peak weekend usage | Sunday, 2-4 PM    | Sunday, 1-3 PM |



| Estimated Monthly Usage |                |               |
|-------------------------|----------------|---------------|
|                         | Hudson Ave     | S Pearl St    |
| January                 | 4,922          | 2,008         |
| February                | 4,922          | 2,008         |
| March                   | 11,485         | 4,685         |
| April                   | 18,048         | 7,362         |
| May                     | 18,048         | 7,362         |
| June                    | 19,689         | 8,031         |
| July                    | 21,329         | 8,700         |
| August                  | 22,970         | 9,369         |
| September               | 18,048         | 7,362         |
| October                 | 9,844          | 4,015         |
| November                | 9,844          | 4,015         |
| December                | 4,922          | 2,008         |
| <b>Annual</b>           | <b>164,073</b> | <b>66,924</b> |

| Usage Gender Split |            |      |            |      |
|--------------------|------------|------|------------|------|
|                    | Hudson Ave |      | S Pearl St |      |
|                    | Female     | Male | Female     | Male |
| Bicyclists         | 33%        | 38%  | 29%        | 49%  |
| Pedestrians        | 16%        | 13%  | 11%        | 11%  |
| Overall            | 49%        | 51%  | 41%        | 59%  |

Hourly Usage



## Albany Shaker Trail

Colonie

Trail length – 1.3 miles

### Estimated Annual Usage

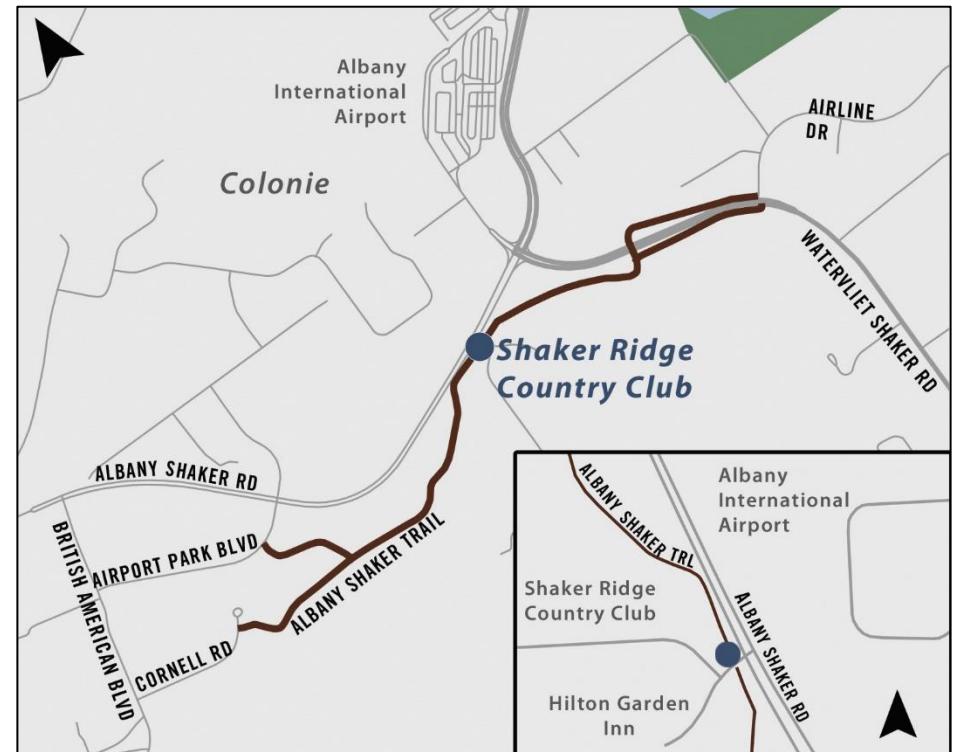
|                           |         |
|---------------------------|---------|
| Shaker Ridge Country Club | 152,685 |
|---------------------------|---------|

### Estimated Seasonal Usage

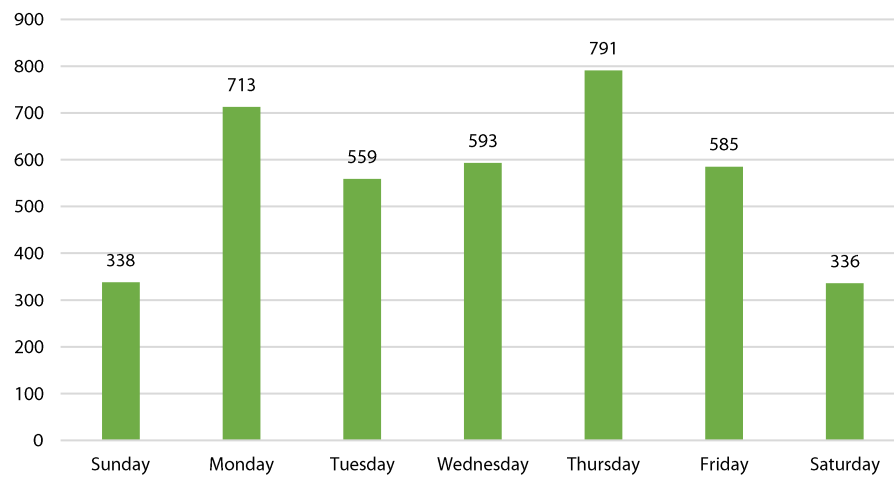
|        | Shaker Ridge Country Club |
|--------|---------------------------|
| Winter | 17,834                    |
| Spring | 49,394                    |
| Summer | 58,524                    |
| Fall   | 26,934                    |

### Usage Mode Split

|             | Shaker Ridge Country Club |
|-------------|---------------------------|
| Bicyclists  | 3%                        |
| Pedestrians | 97%                       |
| Other       | 0%                        |



### Daily Usage



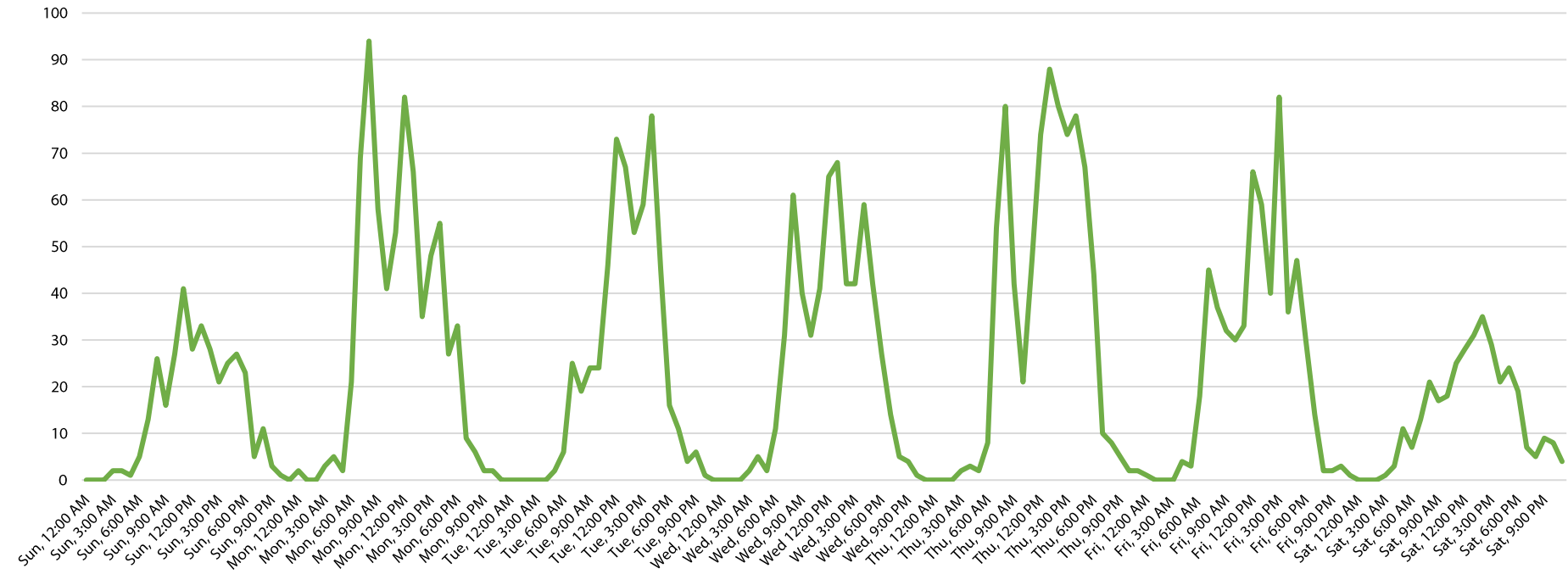
### Daily Usage Profile

|                    | Shaker Ridge Country Club |
|--------------------|---------------------------|
| Average weekday    | 648                       |
| Average weekend    | 337                       |
| Maximum weekday    | Thursday                  |
| Maximum weekend    | Sunday                    |
| Peak weekday usage | Thursday, 1-3 PM          |
| Peak weekend usage | Sunday, 11 AM-1 PM        |

| Estimated Monthly Usage   |                |
|---------------------------|----------------|
| Shaker Ridge Country Club |                |
| January                   | 4,581          |
| February                  | 4,581          |
| March                     | 10,688         |
| April                     | 16,795         |
| May                       | 16,795         |
| June                      | 18,322         |
| July                      | 19,849         |
| August                    | 21,376         |
| September                 | 16,795         |
| October                   | 9,161          |
| November                  | 9,161          |
| December                  | 4,581          |
| <b>Annual</b>             | <b>152,685</b> |

| Usage Gender Split        |        |      |
|---------------------------|--------|------|
| Shaker Ridge Country Club |        |      |
|                           | Female | Male |
| Bicyclists                | 0%     | 3%   |
| Pedestrians               | 67%    | 30%  |
| Overall                   | 67%    | 33%  |

Hourly Usage



## Ballston Veterans Trail

Ballston

Trail length – 3.1 miles

### Estimated Annual Usage

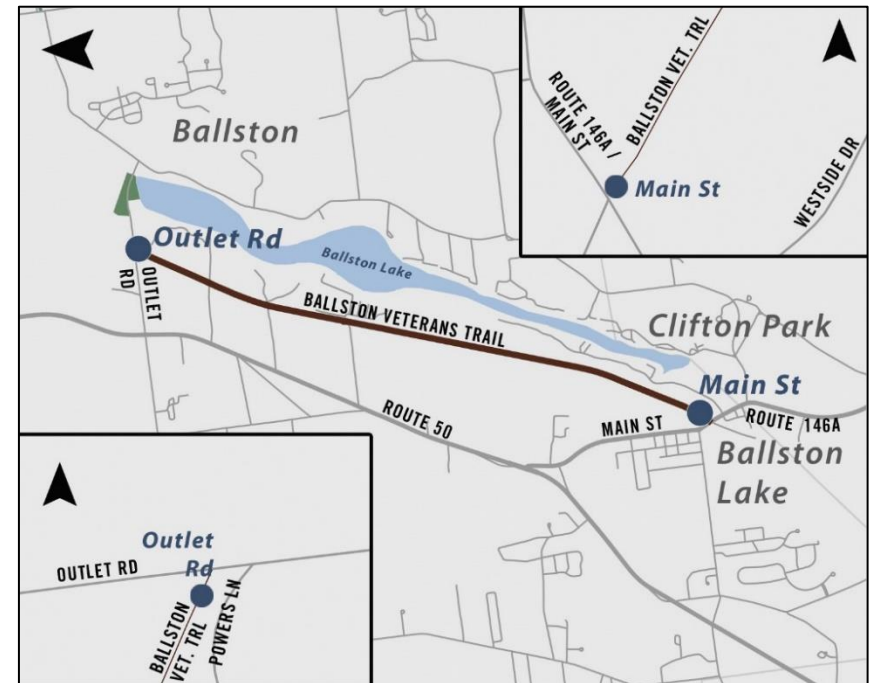
|             |        |
|-------------|--------|
| Outlet Road | 41,340 |
| Main Street | 59,319 |

### Estimated Seasonal Usage

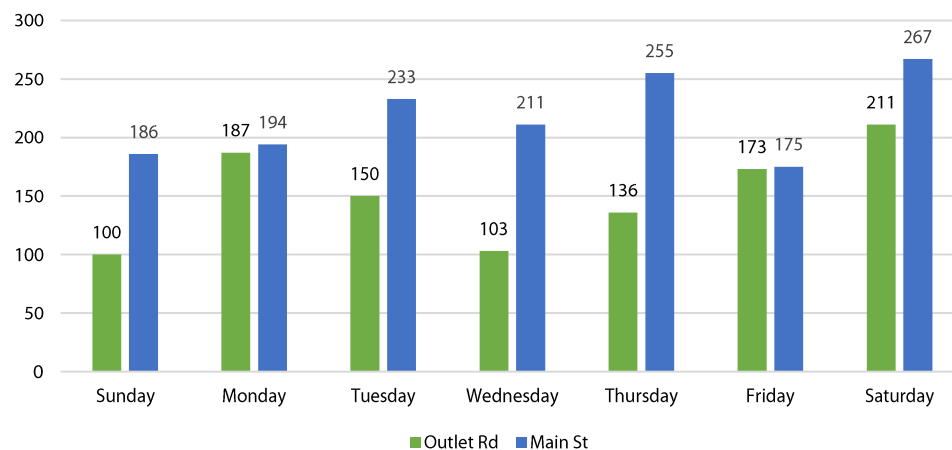
|        | Outlet Road | Main Street |
|--------|-------------|-------------|
| Winter | 4,829       | 6,928       |
| Spring | 13,373      | 19,190      |
| Summer | 15,846      | 22,737      |
| Fall   | 7,292       | 10,464      |

### Usage Mode Split

|             | Outlet Road | Main Street |
|-------------|-------------|-------------|
| Bicyclists  | 58%         | 32%         |
| Pedestrians | 42%         | 61%         |
| Other       | 0%          | 8%          |



### Daily Usage



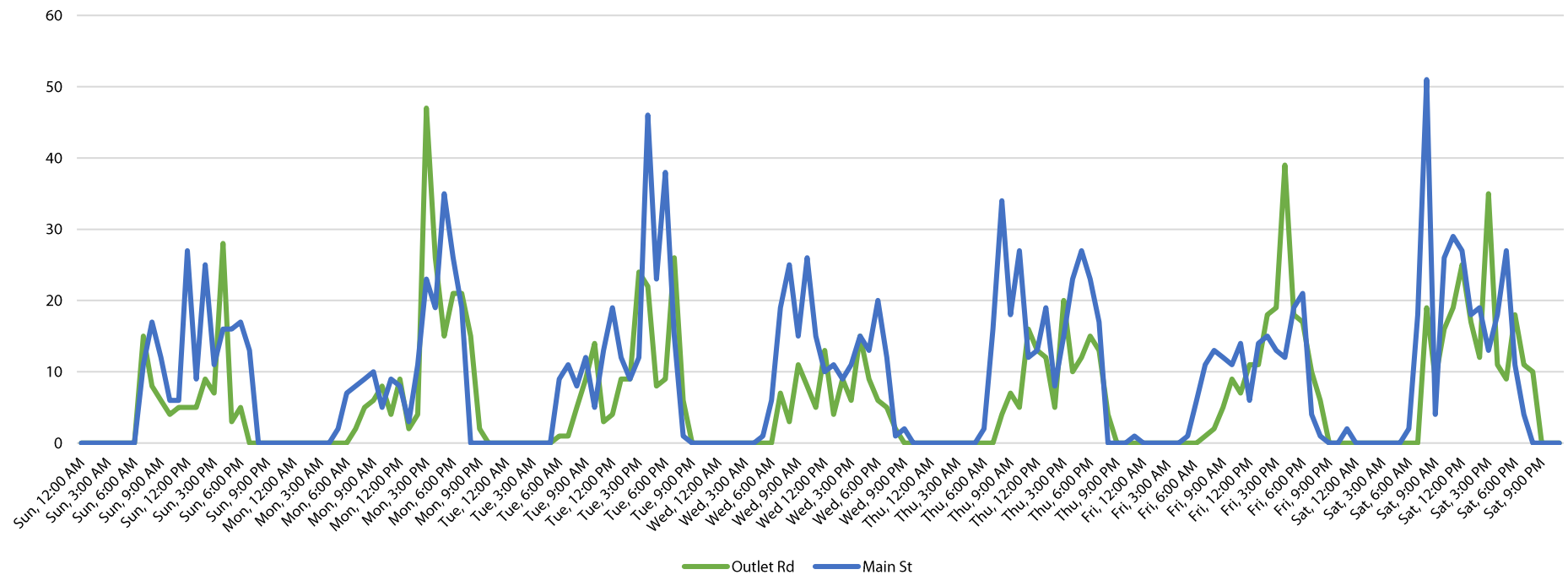
### Daily Usage Profile

|                    | Outlet Road      | Main Street      |
|--------------------|------------------|------------------|
| Average weekday    | 150              | 214              |
| Average weekend    | 156              | 227              |
| Maximum weekday    | Monday           | Thursday         |
| Maximum weekend    | Saturday         | Saturday         |
| Peak weekday usage | Monday, 2-4 PM   | Tuesday, 4-6 PM  |
| Peak weekend usage | Saturday, 1-3 PM | Saturday, 7-9 AM |

| Estimated Monthly Usage |               |               |
|-------------------------|---------------|---------------|
|                         | Outlet Road   | Main Street   |
| January                 | 1,240         | 1,780         |
| February                | 1,240         | 1,780         |
| March                   | 2,894         | 4,152         |
| April                   | 4,547         | 6,525         |
| May                     | 4,547         | 6,525         |
| June                    | 4,961         | 7,118         |
| July                    | 5,374         | 7,711         |
| August                  | 5,788         | 8,305         |
| September               | 4,547         | 6,525         |
| October                 | 2,480         | 3,559         |
| November                | 2,480         | 3,559         |
| December                | 1,240         | 1,780         |
| <b>Annual</b>           | <b>41,340</b> | <b>59,319</b> |

| Usage Gender Split |             |      |             |      |
|--------------------|-------------|------|-------------|------|
|                    | Outlet Road |      | Main Street |      |
|                    | Female      | Male | Female      | Male |
| Bicyclists         | 22%         | 36%  | 21%         | 13%  |
| Pedestrians        | 26%         | 16%  | 26%         | 40%  |
| Overall            | 47%         | 53%  | 47%         | 53%  |

Hourly Usage





## Delaware Avenue-Black Bridge Trail

Cohoes

Trail length – 2.1 miles

### Estimated Annual Usage

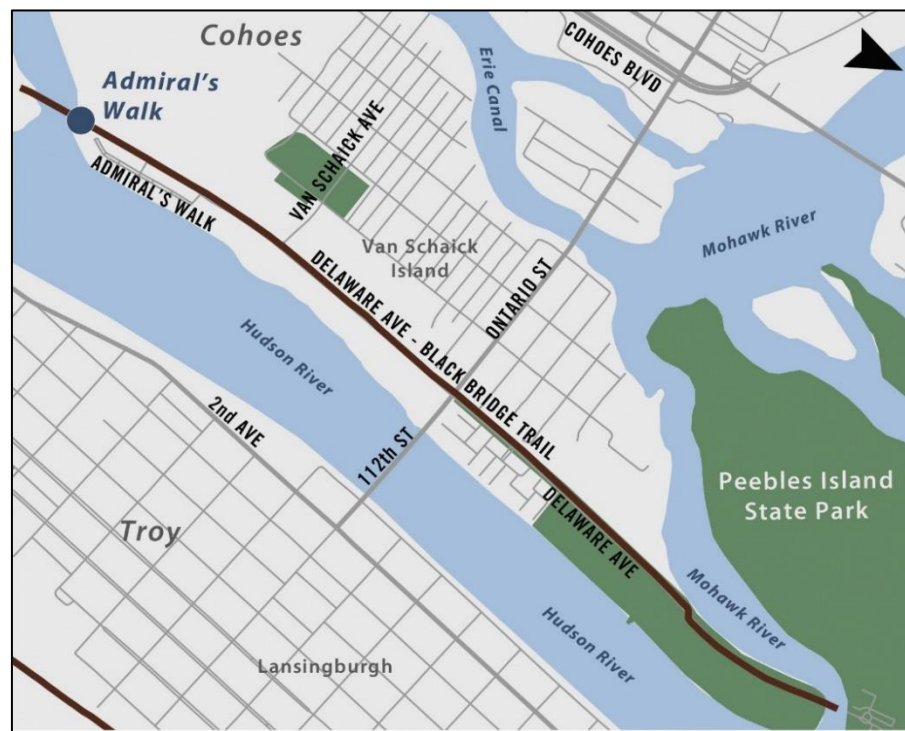
|                |        |
|----------------|--------|
| Admiral's Walk | 45,825 |
|----------------|--------|

### Estimated Seasonal Usage

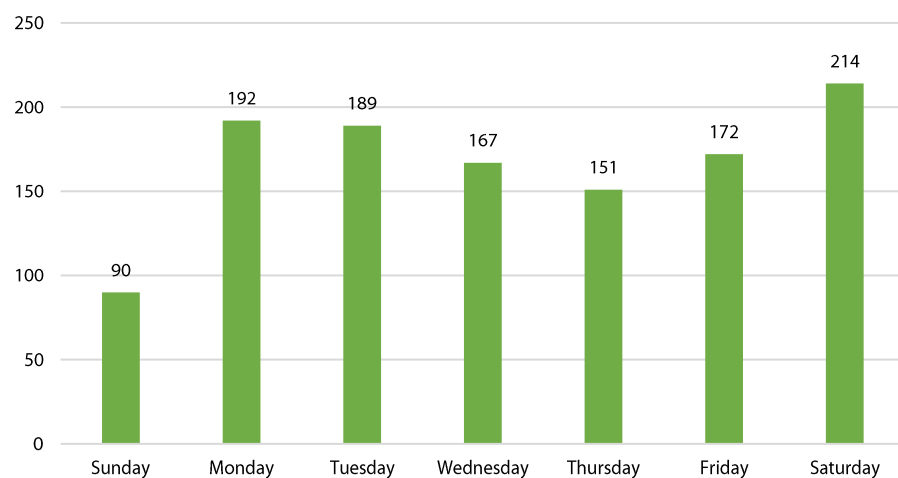
|        | Admiral's Walk |
|--------|----------------|
| Winter | 5,352          |
| Spring | 14,824         |
| Summer | 17,565         |
| Fall   | 8,084          |

### Usage Mode Split

|             | Admiral's Walk |
|-------------|----------------|
| Bicyclists  | 47%            |
| Pedestrians | 51%            |
| Other       | 2%             |



### Daily Usage



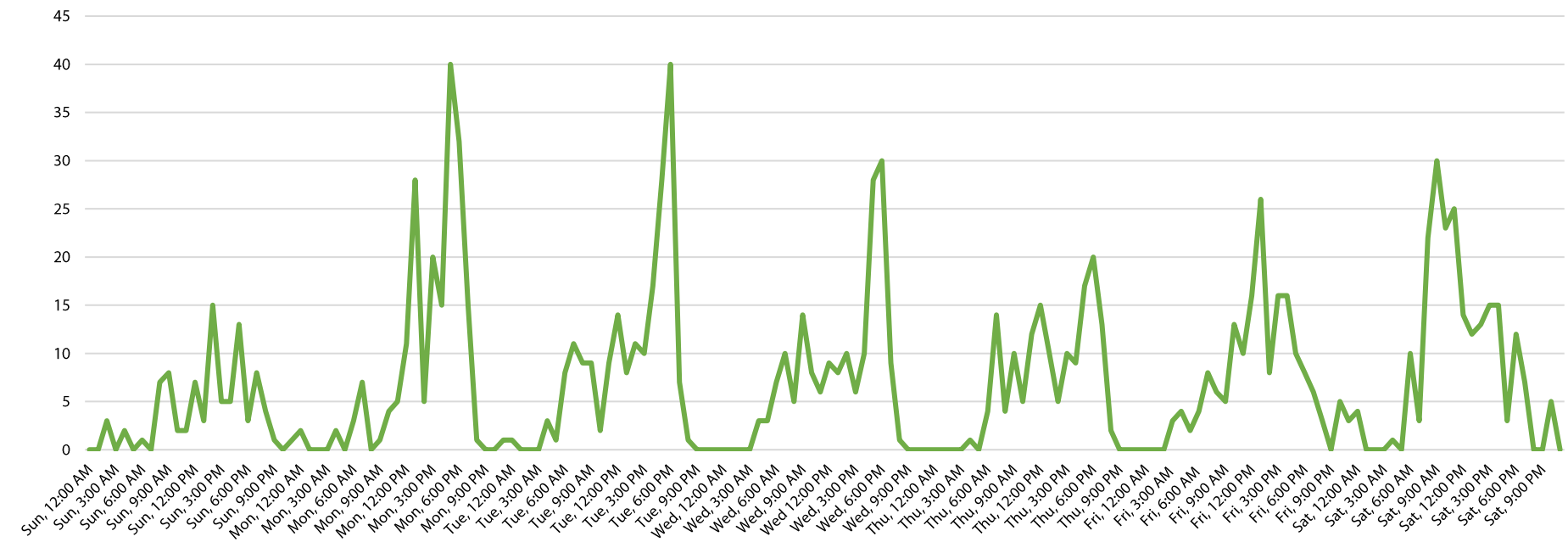
### Daily Usage Profile

|                    | Admiral's Walk    |
|--------------------|-------------------|
| Average weekday    | 174               |
| Average weekend    | 152               |
| Maximum weekday    | Monday            |
| Maximum weekend    | Saturday          |
| Peak weekday usage | Monday, 5-7 PM    |
| Peak weekend usage | Saturday, 9-11 AM |

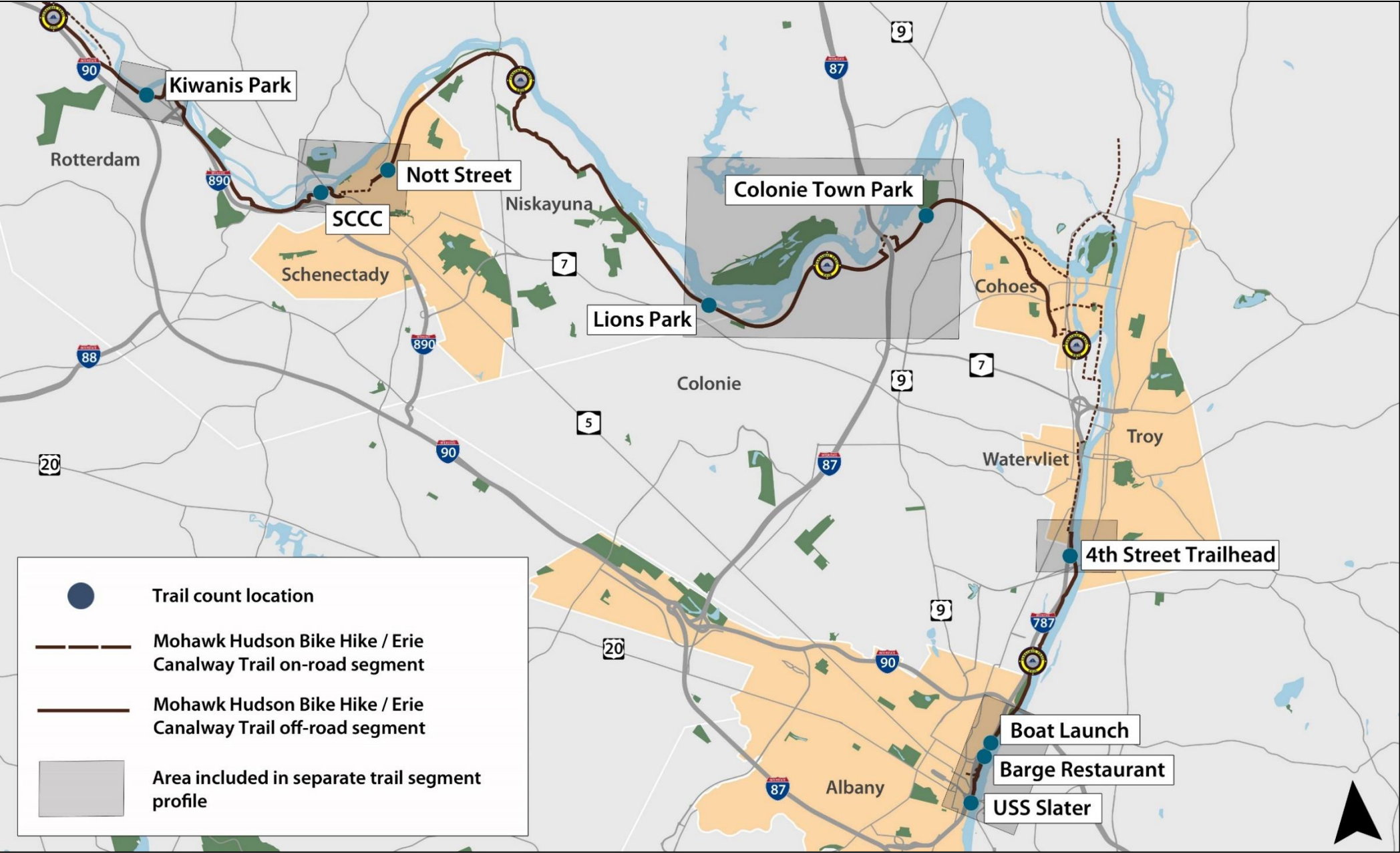
| Estimated Monthly Usage |               |
|-------------------------|---------------|
| Admiral's Walk          |               |
| January                 | 1,375         |
| February                | 1,375         |
| March                   | 3,208         |
| April                   | 5,041         |
| May                     | 5,041         |
| June                    | 5,499         |
| July                    | 5,957         |
| August                  | 6,416         |
| September               | 5,041         |
| October                 | 2,750         |
| November                | 2,750         |
| December                | 1,375         |
| <b>Annual</b>           | <b>45,825</b> |

| Usage Gender Split |        |      |
|--------------------|--------|------|
| Admiral's Walk     |        |      |
|                    | Female | Male |
| Bicyclists         | 11%    | 37%  |
| Pedestrians        | 19%    | 33%  |
| Overall            | 30%    | 70%  |

Hourly Usage



Mohawk Hudson Bike-Hike Trail



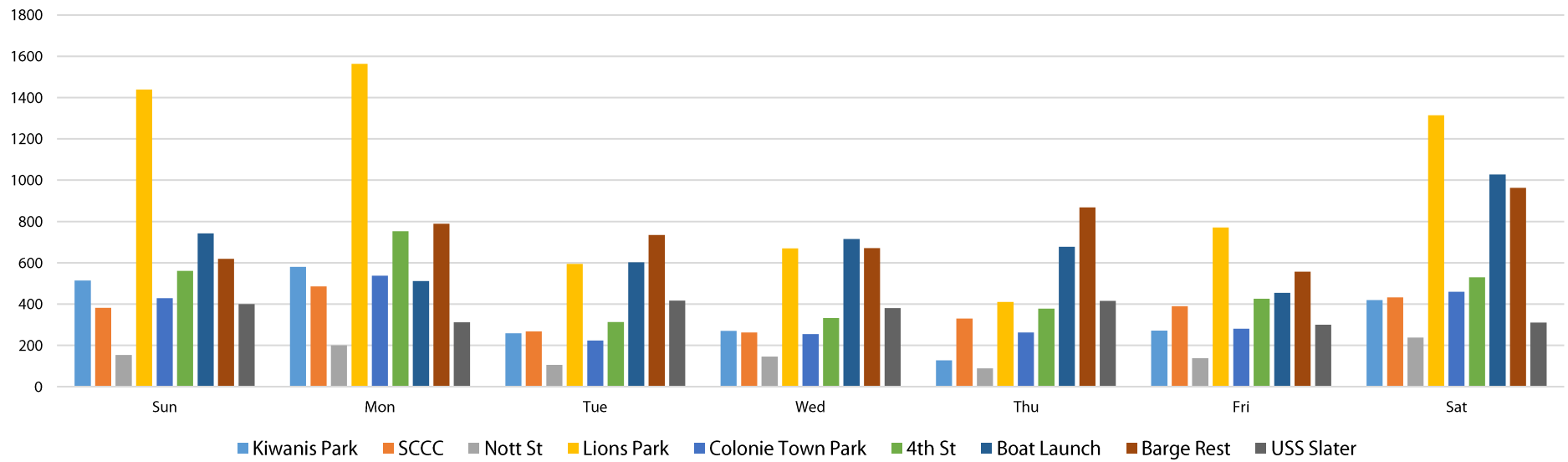
## Mohawk Hudson Bike-Hike Trail

Trail length – 35 miles (Rotterdam to Albany); part of 360-mile Erie Canalway Trail (Buffalo to Albany)

| Estimated annual usage                               |         |
|--|---------|
| Kiwanis Park   | 95,121  |
| Schenectady County Community College (SCCC)          | 99,372  |
| Nott Street  | 41,730  |
| Lions Park   | 263,757 |
| Colonie Town Park                                    | 95,394  |
| 4th Street Trailhead                                 | 128,388 |
| Corning Riverfront Park – South (USS Slater)         | 98,943  |
| Corning Riverfront Park – Central (Barge Restaurant) | 202,839 |
| Corning Riverfront Park – North (Boat Launch)        | 184,509 |

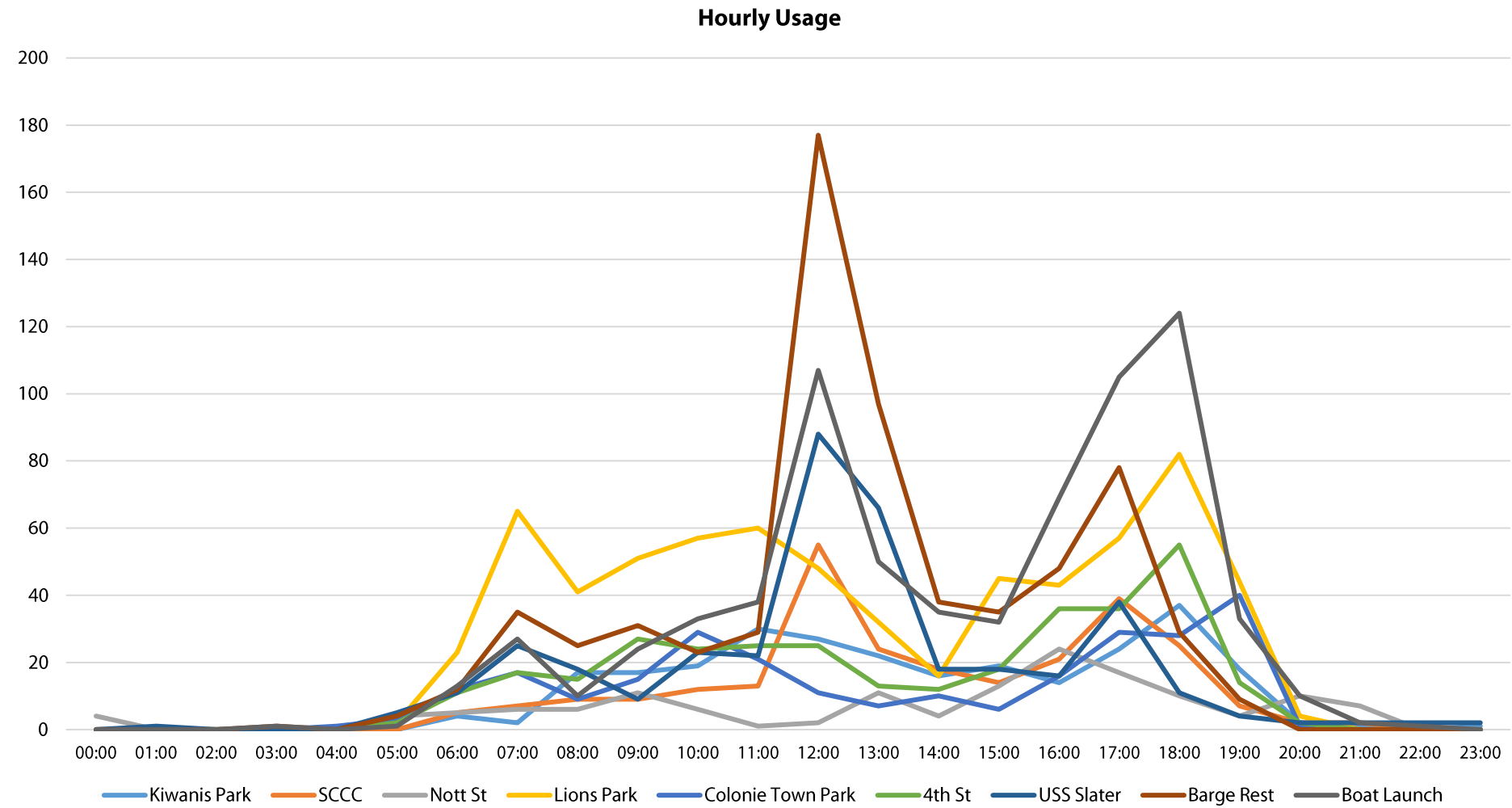
| Estimated seasonal usage         |        |        |         |        |
|----------------------------------|--------|--------|---------|--------|
|                                  | Winter | Spring | Summer  | Fall   |
| Kiwanis Park                     | 11,110 | 30,772 | 36,460  | 16,779 |
| SCCC                             | 11,607 | 32,147 | 38,089  | 17,529 |
| Nott Street                      | 4,874  | 13,500 | 15,995  | 7,361  |
| Lions Park                       | 30,807 | 85,325 | 101,098 | 46,527 |
| Colonie Town Park                | 11,142 | 35,334 | 36,565  | 16,828 |
| 4 <sup>th</sup> Street Trailhead | 14,996 | 41,534 | 49,211  | 22,648 |
| USS Slater                       | 11,557 | 32,008 | 37,925  | 17,454 |
| Barge Restaurant                 | 23,692 | 65,618 | 77,748  | 35,781 |
| Boat Launch                      | 21,551 | 59,689 | 70,722  | 32,547 |

### Daily Usage



| Usage Mode Split              |     |
|-------------------------------|-----|
| Mohawk Hudson Bike-Hike Trail |     |
| Bicyclists                    | 51% |
| Pedestrians                   | 48% |
| Other                         | 1%  |

| Usage Gender Split            |        |      |
|-------------------------------|--------|------|
| Mohawk Hudson Bike-Hike Trail |        |      |
|                               | Female | Male |
| Bicyclists                    | 17%    | 34%  |
| Pedestrians                   | 25%    | 24%  |
| Overall                       | 42%    | 58%  |



## Mohawk Hudson Bike-Hike Trail

Rotterdam

### Estimated Annual Usage

|              |        |
|--------------|--------|
| Kiwanis Park | 95,121 |
|--------------|--------|

### Estimated Seasonal Usage

|  |              |
|--|--------------|
|  | Kiwanis Park |
|--|--------------|

|        |        |
|--------|--------|
| Winter | 11,110 |
| Spring | 30,772 |
| Summer | 36,460 |
| Fall   | 16,779 |

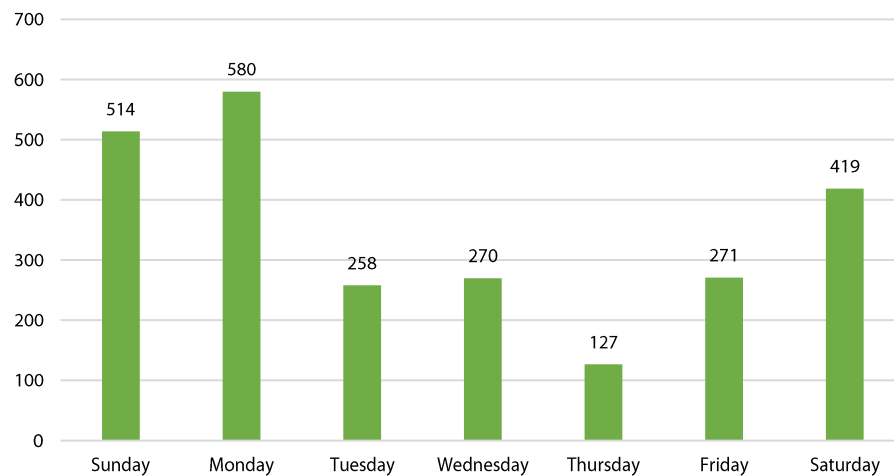
### Usage Mode Split

|  |              |
|--|--------------|
|  | Kiwanis Park |
|--|--------------|

|             |     |
|-------------|-----|
| Bicyclists  | 83% |
| Pedestrians | 17% |
| Other       | 0%  |



### Daily Usage



### Daily Usage Profile

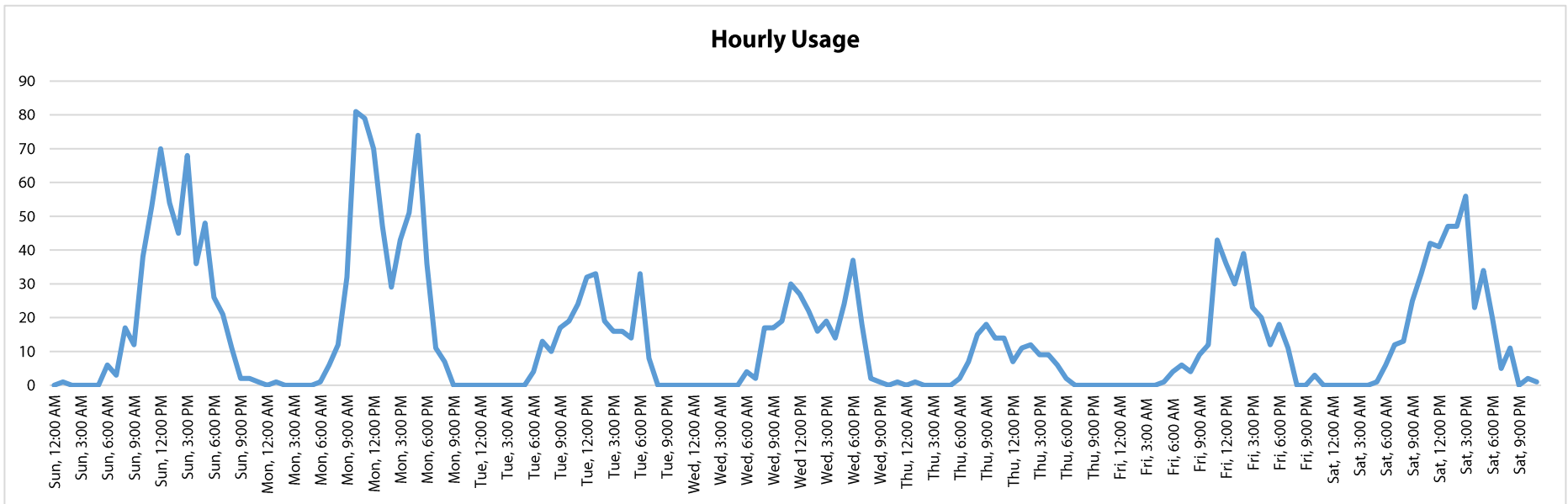
|                    |                     |
|--------------------|---------------------|
|                    | Kiwanis Park        |
| Average weekday    | 301                 |
| Average weekend    | 348                 |
| Maximum weekday    | Monday              |
| Maximum weekend    | Sunday              |
| Peak weekday usage | Monday, 10 AM–12 PM |
| Peak weekend usage | Sunday, 12 PM–2 PM  |



| Estimated Monthly Usage |               |
|-------------------------|---------------|
| Kiwanis Park            |               |
| January                 | 2,854         |
| February                | 2,854         |
| March                   | 6,658         |
| April                   | 10,463        |
| May                     | 10,463        |
| June                    | 11,415        |
| July                    | 12,366        |
| August                  | 13,317        |
| September               | 10,463        |
| October                 | 5,707         |
| November                | 5,707         |
| December                | 2,854         |
| <b>Annual</b>           | <b>95,121</b> |

| Usage Gender Split |        |      |
|--------------------|--------|------|
| Kiwanis Park       |        |      |
|                    | Female | Male |
| Bicyclists         | 27%    | 56%  |
| Pedestrians        | 7%     | 9%   |
| Overall            | 35%    | 65%  |

Hourly Usage



## Mohawk Hudson Bike-Hike Trail

Rotterdam and Schenectady

### Estimated Annual Usage

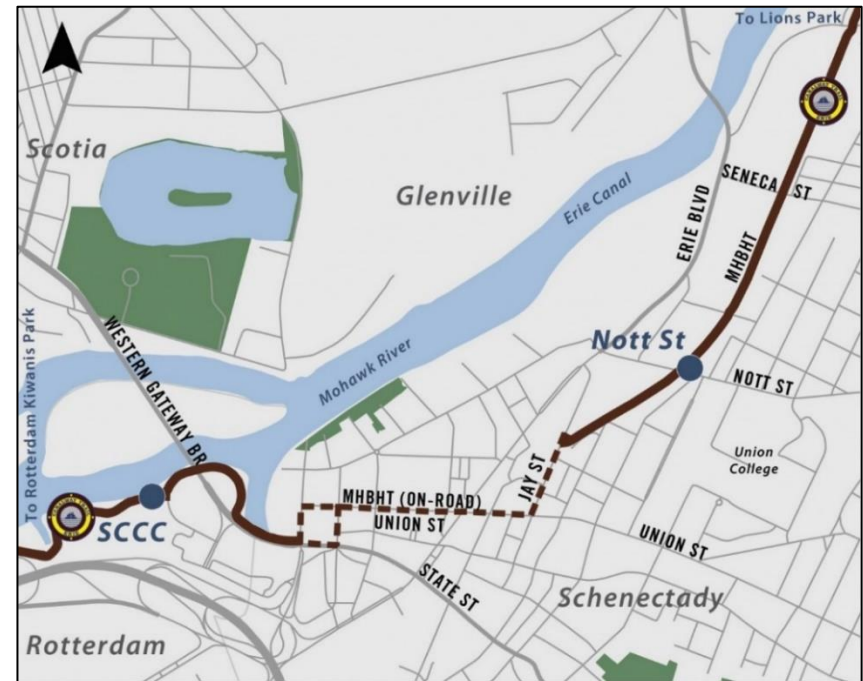
|   |        |
|---|--------|
| Schenectady County Community College (SCCC) | 99,372 |
| Nott Street                                 | 41,730 |

### Estimated Seasonal Usage

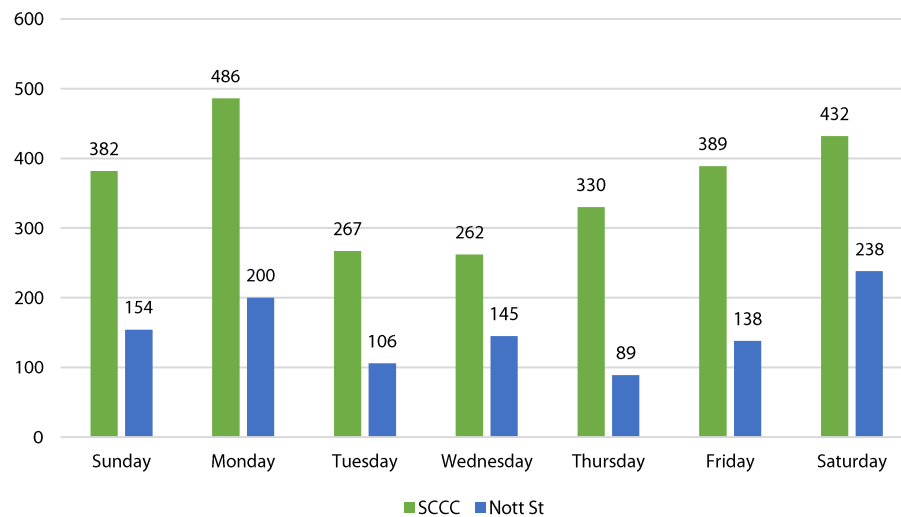
|        | SCCC   | Nott Street |
|--------|--------|-------------|
| Winter | 11,607 | 4,874       |
| Spring | 32,147 | 13,500      |
| Summer | 38,089 | 15,995      |
| Fall   | 17,529 | 7,361       |

### Usage Mode Split

|             | SCCC | Nott Street |
|-------------|------|-------------|
| Bicyclists  | 59%  | 66%         |
| Pedestrians | 38%  | 34%         |
| Other       | 2%   | 0%          |



### Daily Usage



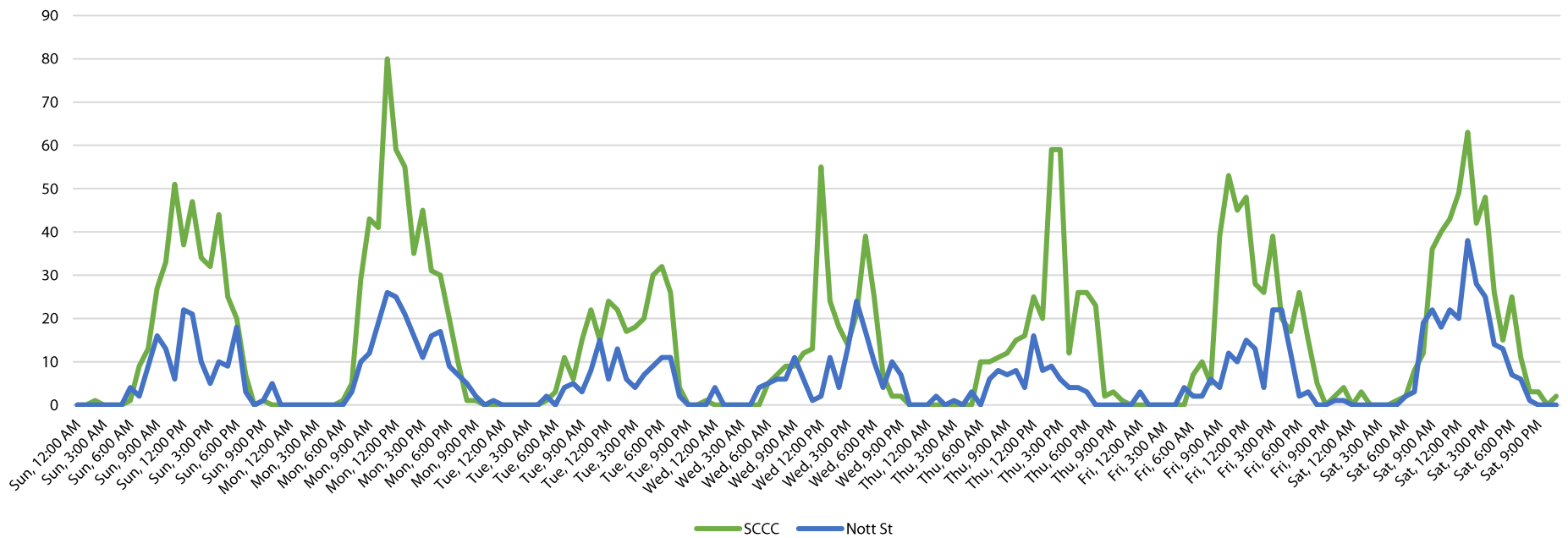
### Daily Usage Profile

|                    | SCCC              | Nott Street        |
|--------------------|-------------------|--------------------|
| Average weekday    | 347               | 136                |
| Average weekend    | 407               | 196                |
| Maximum weekday    | Monday            | Monday             |
| Maximum weekend    | Saturday          | Saturday           |
| Peak weekday usage | Thursday, 2-4 PM  | Monday, 11 AM-1 PM |
| Peak weekend usage | Saturday, 12-2 PM | Saturday, 1-3 PM   |

| Estimated Monthly Usage |               |               |
|-------------------------|---------------|---------------|
|                         | SCCC          | Nott Street   |
| January                 | 2,981         | 1,252         |
| February                | 2,981         | 1,252         |
| March                   | 6,956         | 2,921         |
| April                   | 10,931        | 4,590         |
| May                     | 10,931        | 4,590         |
| June                    | 11,925        | 5,008         |
| July                    | 12,918        | 5,425         |
| August                  | 13,912        | 5,842         |
| September               | 10,931        | 4,590         |
| October                 | 5,962         | 2,504         |
| November                | 5,962         | 2,504         |
| December                | 2,981         | 1,252         |
| <b>Annual</b>           | <b>99,372</b> | <b>41,730</b> |

| Usage Gender Split |        |      |             |      |
|--------------------|--------|------|-------------|------|
|                    | SCCC   |      | Nott Street |      |
|                    | Female | Male | Female      | Male |
| Bicyclists         | 19%    | 42%  | 28%         | 38%  |
| Pedestrians        | 20%    | 20%  | 8%          | 26%  |
| Overall            | 39%    | 61%  | 36%         | 64%  |

Hourly Usage



## Mohawk Hudson Bike-Hike Trail

Niskayuna and Colonie

### Estimated Annual Usage

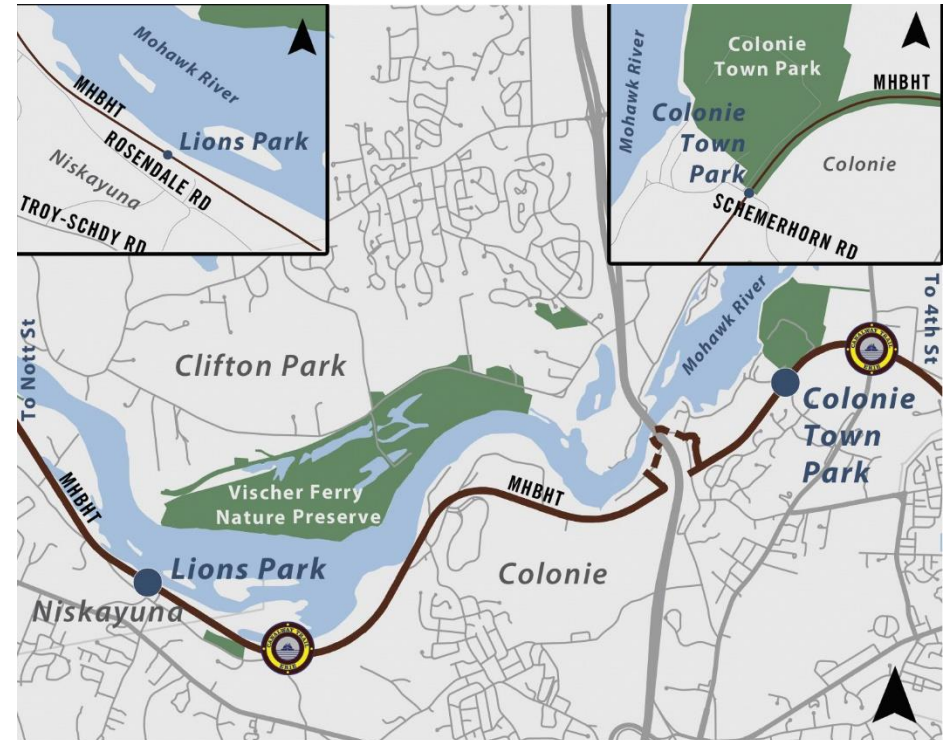
|                   |         |
|-------------------|---------|
| Lions Park        | 263,757 |
| Colonie Town Park | 95,394  |

### Estimated Seasonal Usage

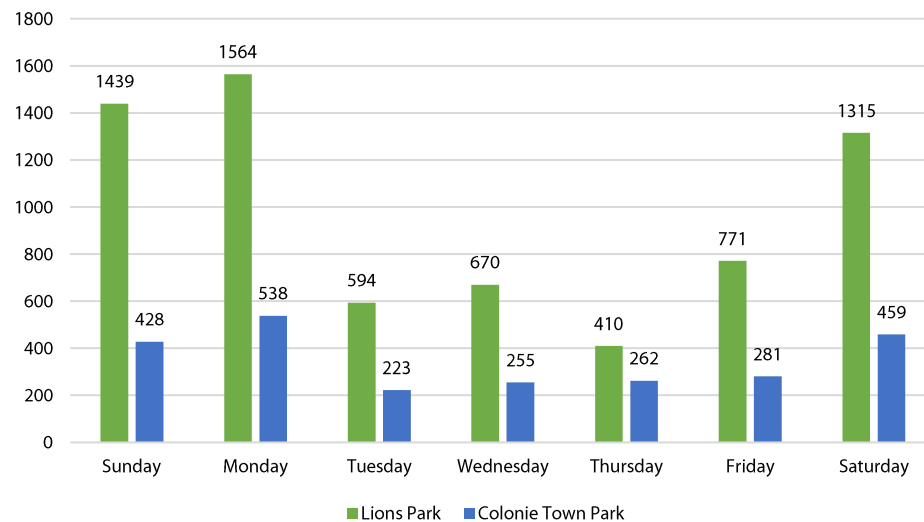
|        | Lions Park | Colonie Town Park |
|--------|------------|-------------------|
| Winter | 30,807     | 11,142            |
| Spring | 85,325     | 35,334            |
| Summer | 101,098    | 36,565            |
| Fall   | 46,527     | 16,828            |

### Usage Mode Split

|             | Lions Park | Colonie Town Park |
|-------------|------------|-------------------|
| Bicyclists  | 46%        | 65%               |
| Pedestrians | 53%        | 33%               |
| Other       | 1%         | 2%                |



### Daily Usage



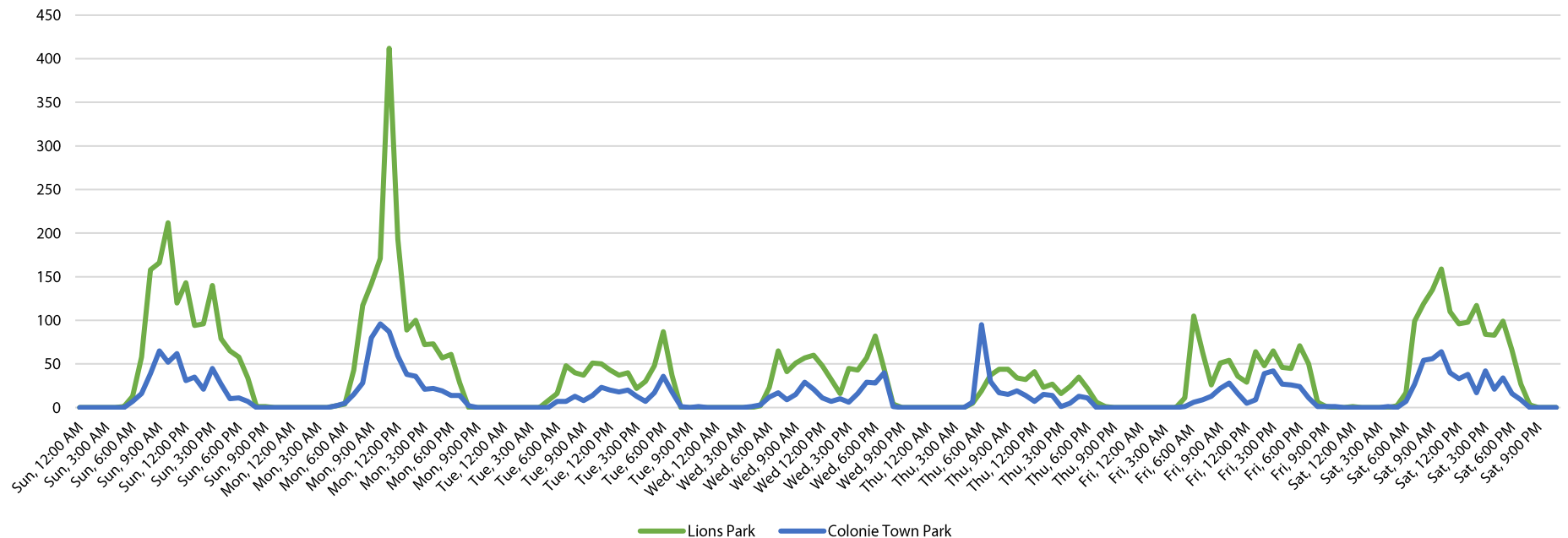
### Daily Usage Profile

|                    | Lions Park      | Colonie Town Park |
|--------------------|-----------------|-------------------|
| Average weekday    | 802             | 312               |
| Average weekend    | 1,377           | 444               |
| Maximum weekday    | Monday          | Monday            |
| Maximum weekend    | Sunday          | Saturday          |
| Peak weekday usage | Friday, 6-8 AM  | Thursday, 6-8 AM  |
| Peak weekend usage | Sunday, 9-11 AM | Saturday, 9-11 AM |

| Estimated Monthly Usage |                |                   |
|-------------------------|----------------|-------------------|
|                         | Lions Park     | Colonie Town Park |
| January                 | 7,913          | 2,862             |
| February                | 7,913          | 2,862             |
| March                   | 18,463         | 6,678             |
| April                   | 29,013         | 10,493            |
| May                     | 29,013         | 10,493            |
| June                    | 31,651         | 11,447            |
| July                    | 34,288         | 12,401            |
| August                  | 36,926         | 13,355            |
| September               | 29,013         | 10,493            |
| October                 | 15,825         | 5,724             |
| November                | 15,825         | 5,724             |
| December                | 7,913          | 2,862             |
| <b>Annual</b>           | <b>263,757</b> | <b>95,394</b>     |

| Usage Gender Split |            |      |                   |      |
|--------------------|------------|------|-------------------|------|
|                    | Lions Park |      | Colonie Town Park |      |
|                    | Female     | Male | Female            | Male |
| Bicyclists         | 17%        | 29%  | 22%               | 45%  |
| Pedestrians        | 30%        | 24%  | 19%               | 15%  |
| Overall            | 47%        | 53%  | 40%               | 60%  |

Hourly Usage



## Mohawk Hudson Bike-Hike Trail

Watervliet

### Estimated Annual Usage

|                                  |         |
|----------------------------------|---------|
| 4 <sup>th</sup> Street Trailhead | 128,388 |
|----------------------------------|---------|

### Estimated Seasonal Usage

|  |                                  |
|--|----------------------------------|
|  | 4 <sup>th</sup> Street Trailhead |
|--|----------------------------------|

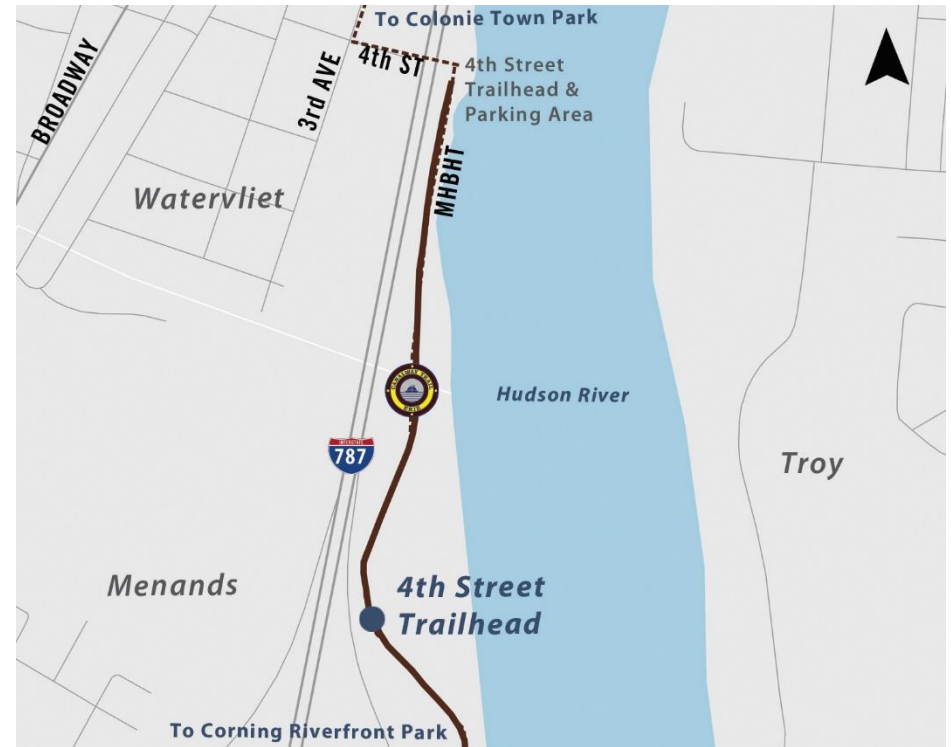
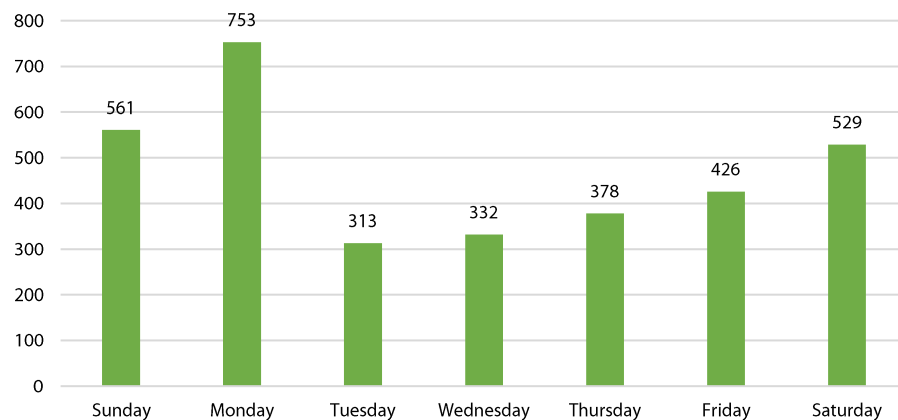
|        |        |
|--------|--------|
| Winter | 14,996 |
| Spring | 41,534 |
| Summer | 49,211 |
| Fall   | 22,648 |

### Usage Mode Split

|  |                                  |
|--|----------------------------------|
|  | 4 <sup>th</sup> Street Trailhead |
|--|----------------------------------|

|             |     |
|-------------|-----|
| Bicyclists  | 73% |
| Pedestrians | 26% |
| Other       | 1%  |

### Daily Usage



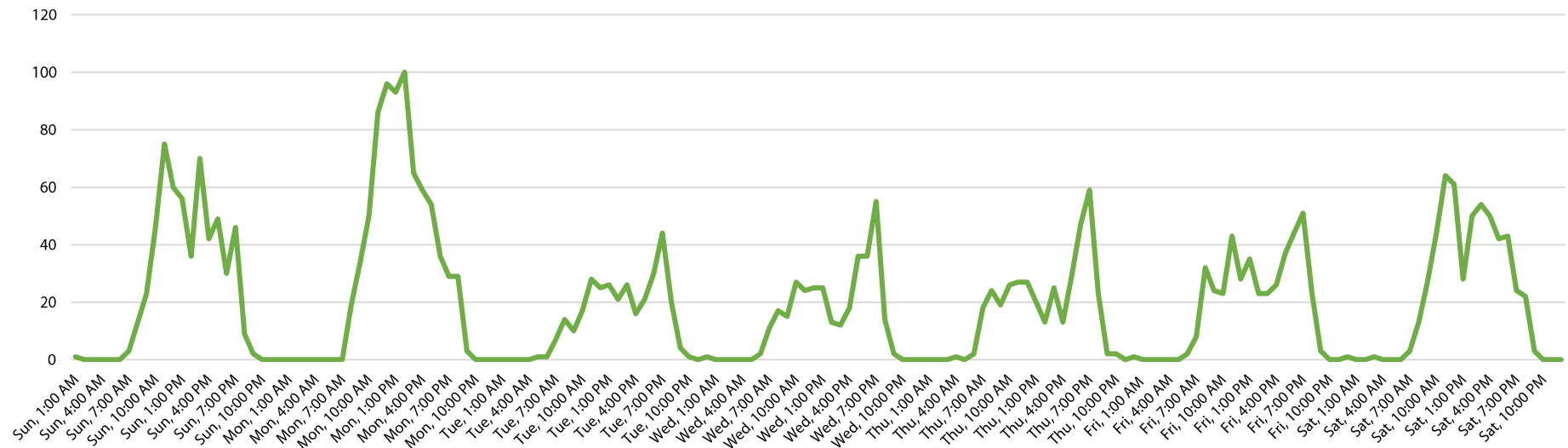
### Daily Usage Profile

|                    |                                  |
|--------------------|----------------------------------|
|                    | 4 <sup>th</sup> Street Trailhead |
| Average weekday    | 440                              |
| Average weekend    | 545                              |
| Maximum weekday    | Monday                           |
| Maximum weekend    | Sunday                           |
| Peak weekday usage | Monday, 12-2 PM                  |
| Peak weekend usage | Sunday, 10 AM-12 PM              |

| Estimated Monthly Usage          |                |
|----------------------------------|----------------|
| 4 <sup>th</sup> Street Trailhead |                |
| January                          | 3,852          |
| February                         | 3,852          |
| March                            | 8,987          |
| April                            | 14,123         |
| May                              | 14,123         |
| June                             | 15,407         |
| July                             | 16,690         |
| August                           | 17,974         |
| September                        | 14,123         |
| October                          | 7,703          |
| November                         | 7,703          |
| December                         | 3,852          |
| <b>Annual</b>                    | <b>128,388</b> |

| Usage Gender Split               |        |      |
|----------------------------------|--------|------|
| 4 <sup>th</sup> Street Trailhead |        |      |
|                                  | Female | Male |
| Bicyclists                       | 26%    | 48%  |
| Pedestrians                      | 13%    | 13%  |
| Overall                          | 38%    | 62%  |

### Hourly Usage





## Mohawk Hudson Bike-Hike Trail

Albany

### Estimated Annual Usage

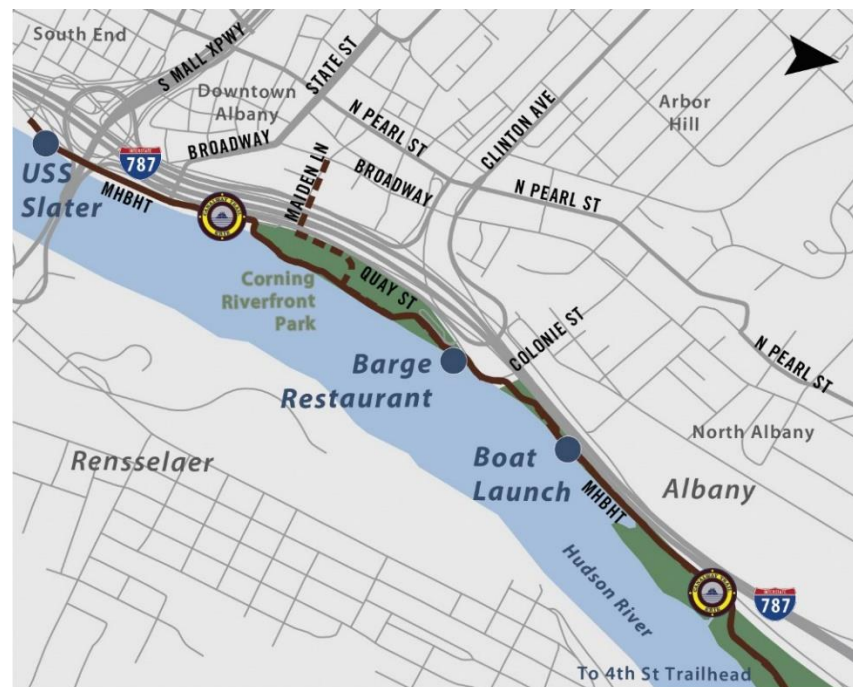
|   |         |
|---|---------|
| Corning Riverfront Park – South (USS Slater)        | 98,943  |
| Corning Riverfront Park- Central (Barge Restaurant) | 202,839 |
| Corning Riverfront Park – North (Boat Launch)       | 184,509 |

### Estimated Seasonal Usage

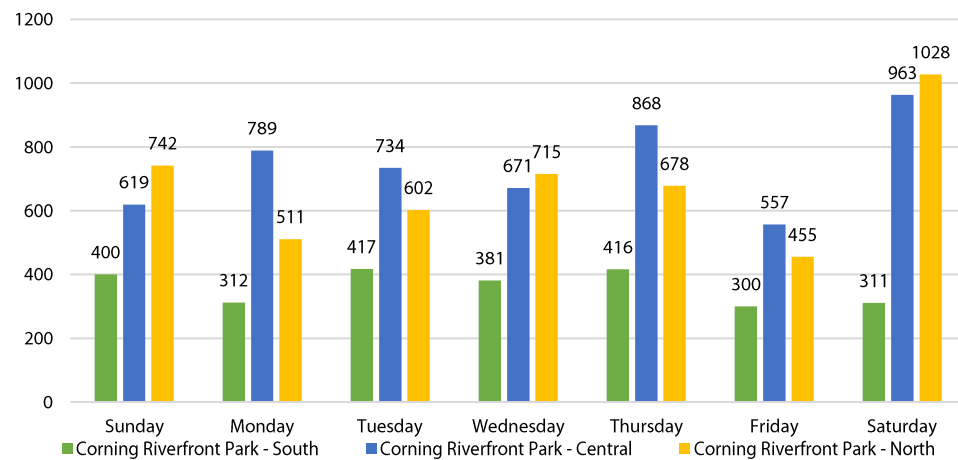
|        | USS Slater | Barge Restaurant | Boat Launch |
|--------|------------|------------------|-------------|
| Winter | 11,557     | 23,692           | 21,551      |
| Spring | 32,008     | 65,618           | 59,689      |
| Summer | 37,925     | 77,748           | 70,722      |
| Fall   | 17,454     | 35,781           | 32,547      |

### Usage Mode Split

|             | USS Slater | Barge Restaurant | Boat Launch |
|-------------|------------|------------------|-------------|
| Bicyclists  | 32%        | 37%              | 28%         |
| Pedestrians | 68%        | 63%              | 70%         |
| Other       | 0%         | 0%               | 3%          |



### Daily Usage

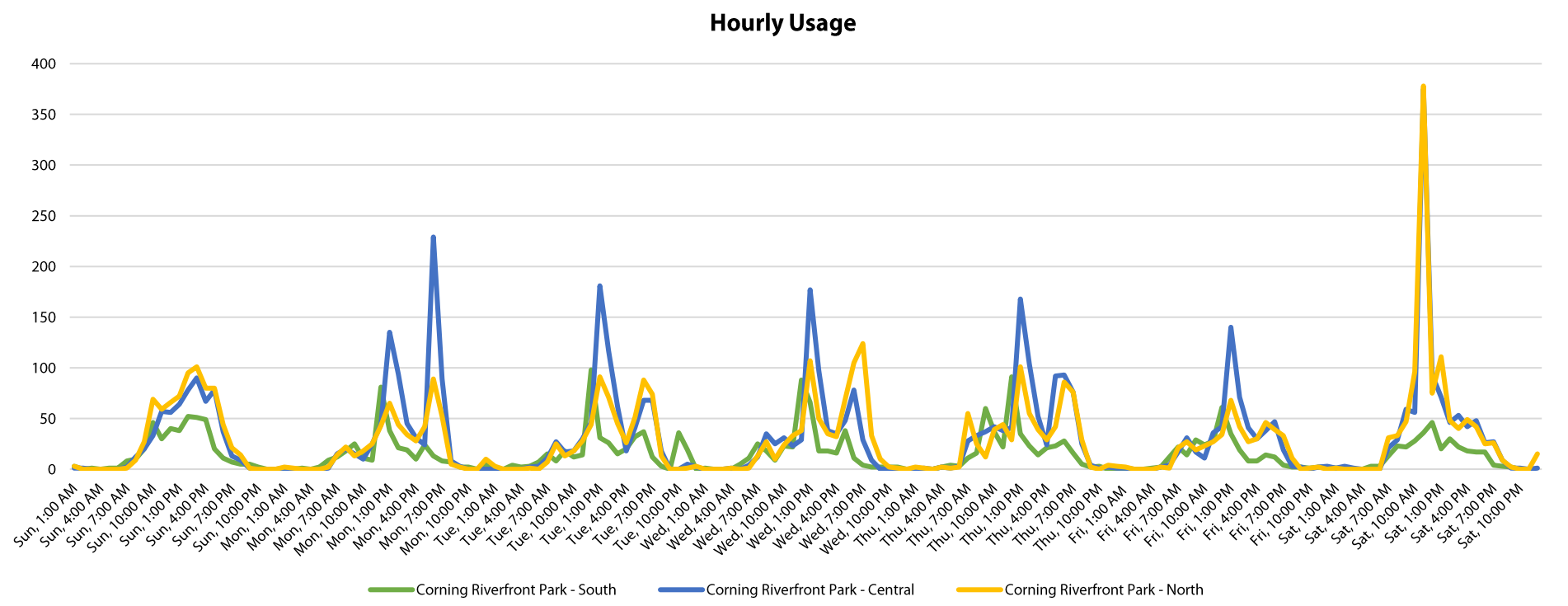


### Daily Usage Profile

|                    | USS Slater       | Barge Restaurant      | Boat Launch       |
|--------------------|------------------|-----------------------|-------------------|
| Average weekday    | 365              | 724                   | 592               |
| Average weekend    | 356              | 791                   | 885               |
| Maximum weekday    | Tuesday          | Thursday              | Wednesday         |
| Maximum weekend    | Sunday           | Sunday                | Saturday          |
| Peak weekday usage | Tuesday, 12-2 PM | Monday, 5-7 PM        | Wednesday, 5-7 PM |
| Peak weekend usage | Sunday, 2-4 PM   | Saturday, 10 AM-12 PM | Saturday, 9-11 AM |

| Estimated Monthly Usage |               |                  |                |
|-------------------------|---------------|------------------|----------------|
|                         | USS Slater    | Barge Restaurant | Boat Launch    |
| January                 | 2,968         | 6,085            | 5,535          |
| February                | 2,968         | 6,085            | 5,535          |
| March                   | 6,926         | 14,199           | 12,916         |
| April                   | 10,884        | 22,312           | 20,296         |
| May                     | 10,884        | 22,312           | 20,296         |
| June                    | 11,873        | 24,341           | 22,141         |
| July                    | 12,863        | 26,369           | 23,986         |
| August                  | 13,852        | 28,397           | 25,831         |
| September               | 10,884        | 22,312           | 20,296         |
| October                 | 5,937         | 12,170           | 11,071         |
| November                | 5,937         | 12,170           | 11,071         |
| December                | 2,968         | 6,085            | 5,535          |
| <b>Annual</b>           | <b>98,943</b> | <b>202,839</b>   | <b>184,509</b> |

| Usage Gender Split |            |      |                  |      |             |      |
|--------------------|------------|------|------------------|------|-------------|------|
|                    | USS Slater |      | Barge Restaurant |      | Boat Launch |      |
|                    | Female     | Male | Female           | Male | Female      | Male |
| Bicyclists         | 8%         | 25%  | 12%              | 25%  | 9%          | 20%  |
| Pedestrians        | 34%        | 33%  | 38%              | 25%  | 31%         | 41%  |
| Overall            | 42%        | 58%  | 50%              | 50%  | 40%         | 60%  |



## Railroad Run Trail

Saratoga Springs

Trail length – 1.3 miles

### Estimated Annual Usage

|               |         |
|---------------|---------|
| Saratoga YMCA | 127,452 |
|---------------|---------|

### Estimated Seasonal Usage

|  |               |
|--|---------------|
|  | Saratoga YMCA |
|--|---------------|

|        |        |
|--------|--------|
| Winter | 14,886 |
| Spring | 41,231 |
| Summer | 48,852 |
| Fall   | 22,483 |

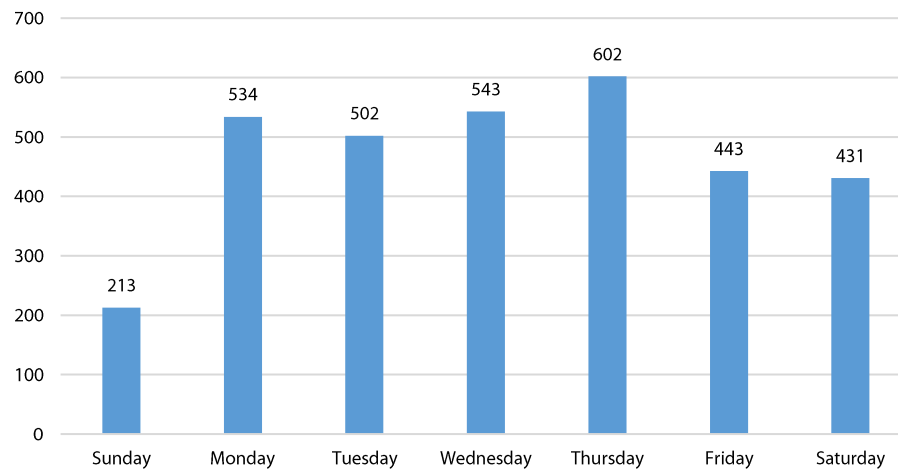
### Usage Mode Split

|  |               |
|--|---------------|
|  | Saratoga YMCA |
|--|---------------|

|             |       |
|-------------|-------|
| Bicyclists  | 43.6% |
| Pedestrians | 55.9% |
| Other       | 0.5%  |



### Daily Usage



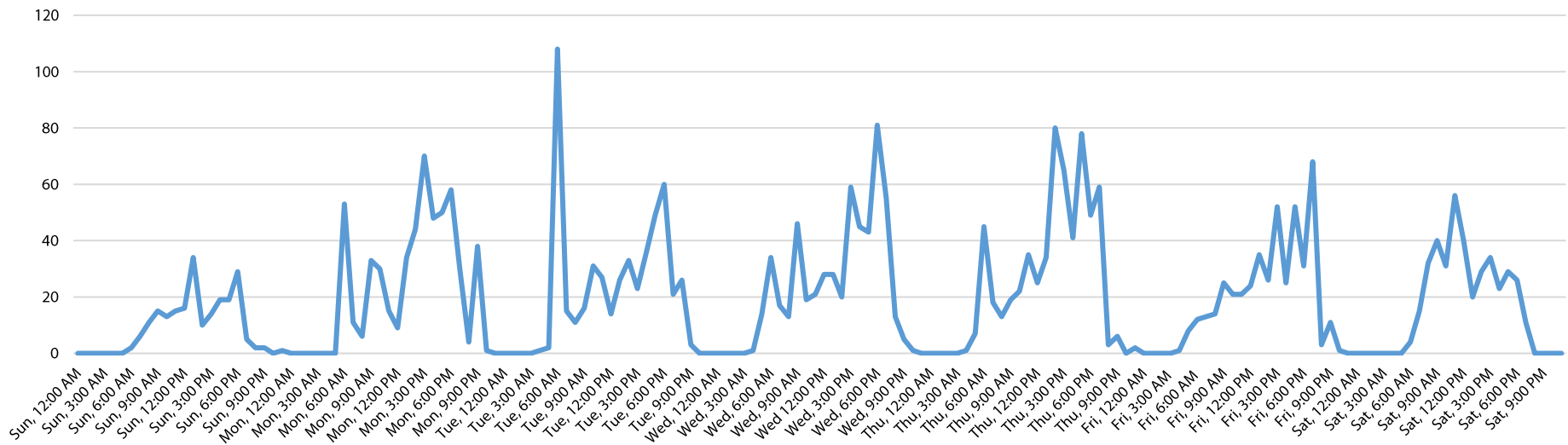
### Daily Usage Profile

|                    |                      |
|--------------------|----------------------|
|                    | Saratoga YMCA        |
| Average weekday    | 525                  |
| Average weekend    | 322                  |
| Maximum weekday    | Thursday             |
| Maximum weekend    | Saturday             |
| Peak weekday usage | Thursday, 2-4 PM     |
| Peak weekend usage | Saturday, 11 AM-1 PM |

| Estimated Monthly Usage |                |
|-------------------------|----------------|
| Saratoga YMCA           |                |
| January                 | 3,824          |
| February                | 3,824          |
| March                   | 8,922          |
| April                   | 14,020         |
| May                     | 14,020         |
| June                    | 15,294         |
| July                    | 16,569         |
| August                  | 17,843         |
| September               | 14,020         |
| October                 | 7,647          |
| November                | 7,647          |
| December                | 3,824          |
| <b>Annual</b>           | <b>127,452</b> |

| Usage Gender Split |        |      |
|--------------------|--------|------|
| Saratoga YMCA      |        |      |
|                    | Female | Male |
| Bicyclists         | 16%    | 28%  |
| Pedestrians        | 32%    | 25%  |
| Overall            | 48%    | 52%  |

Hourly Usage



## Spring Run Trail

Saratoga Springs

Trail length – 1.1 miles

### Estimated Annual Usage

|                      |        |
|----------------------|--------|
| East Ave             | 64,155 |
| Excelsior Spring Ave | 63,102 |

### Estimated Seasonal Usage

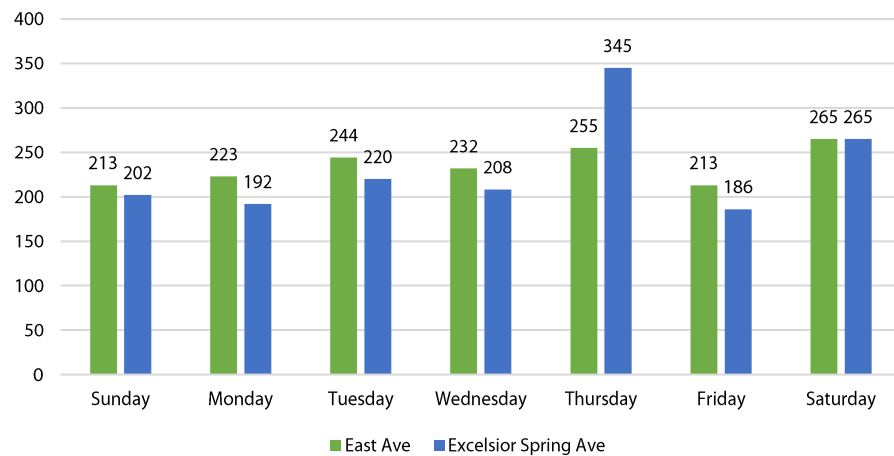
|        | East Ave | Excelsior Spring Ave |
|--------|----------|----------------------|
| Winter | 7,493    | 7,370                |
| Spring | 20,754   | 20,413               |
| Summer | 24,591   | 24,187               |
| Fall   | 11,317   | 11,131               |

### Usage Mode Split

|             | East Ave | Excelsior Spring Ave |
|-------------|----------|----------------------|
| Bicyclists  | 19%      | 14%                  |
| Pedestrians | 77%      | 86%                  |
| Other       | 3%       | 0%                   |



### Daily Usage



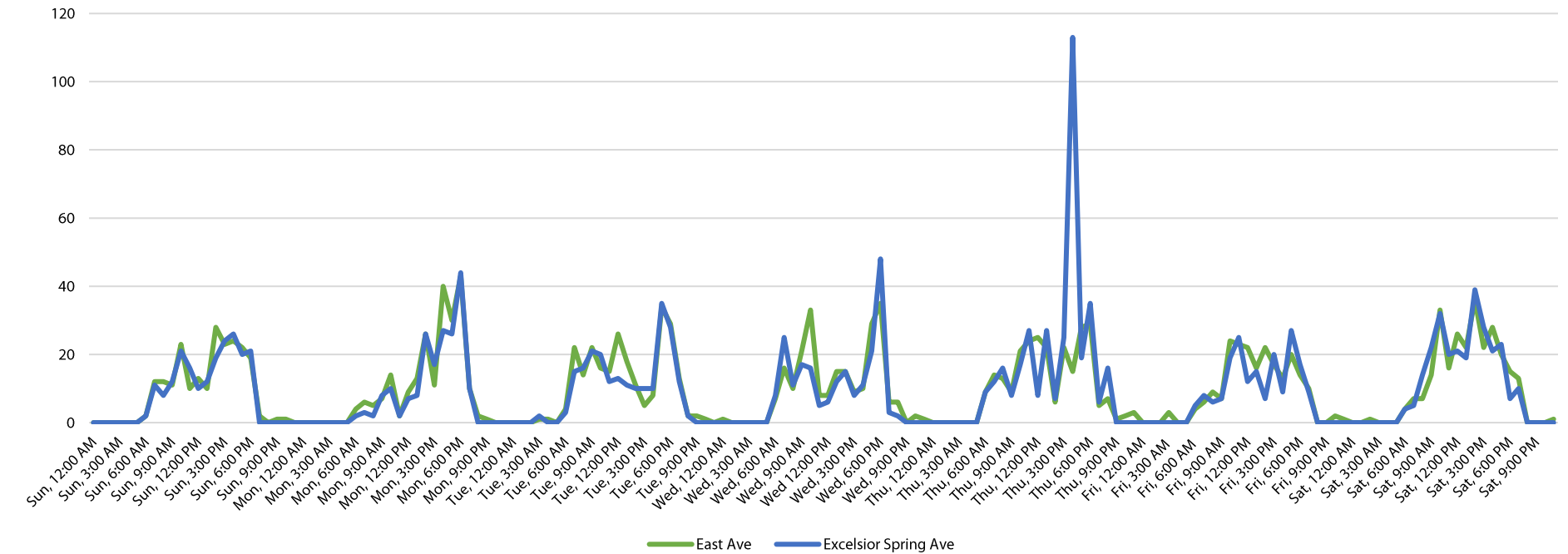
### Daily Usage Profile

|                    | East Ave         | Excelsior Spring Ave |
|--------------------|------------------|----------------------|
| Average weekday    | 233              | 230                  |
| Average weekend    | 239              | 234                  |
| Maximum weekday    | Thursday         | Thursday             |
| Maximum weekend    | Saturday         | Saturday             |
| Peak weekday usage | Monday, 5-7 PM   | Thursday, 3-5 PM     |
| Peak weekend usage | Saturday, 1-3 PM | Saturday, 2-4 PM     |

| Estimated Monthly Usage |               |                      |
|-------------------------|---------------|----------------------|
|                         | East Ave      | Excelsior Spring Ave |
| January                 | 1,925         | 1,893                |
| February                | 1,925         | 1,893                |
| March                   | 4,491         | 4,417                |
| April                   | 7,057         | 6,941                |
| May                     | 7,057         | 6,941                |
| June                    | 7,699         | 7,572                |
| July                    | 8,340         | 8,203                |
| August                  | 8,982         | 8,834                |
| September               | 7,057         | 6,941                |
| October                 | 3,849         | 3,786                |
| November                | 3,849         | 3,786                |
| December                | 1,925         | 1,893                |
| <b>Annual</b>           | <b>64,155</b> | <b>63,102</b>        |

| Usage Gender Split |          |      |                      |      |
|--------------------|----------|------|----------------------|------|
|                    | East Ave |      | Excelsior Spring Ave |      |
|                    | Female   | Male | Female               | Male |
| Bicyclists         | 7%       | 13%  | 2%                   | 11%  |
| Pedestrians        | 47%      | 33%  | 53%                  | 33%  |
| Overall            | 53%      | 46%  | 56%                  | 44%  |

Hourly Usage



## Uncle Sam Trail

Troy

Trail length – 3.5 miles

### Estimated Annual Usage

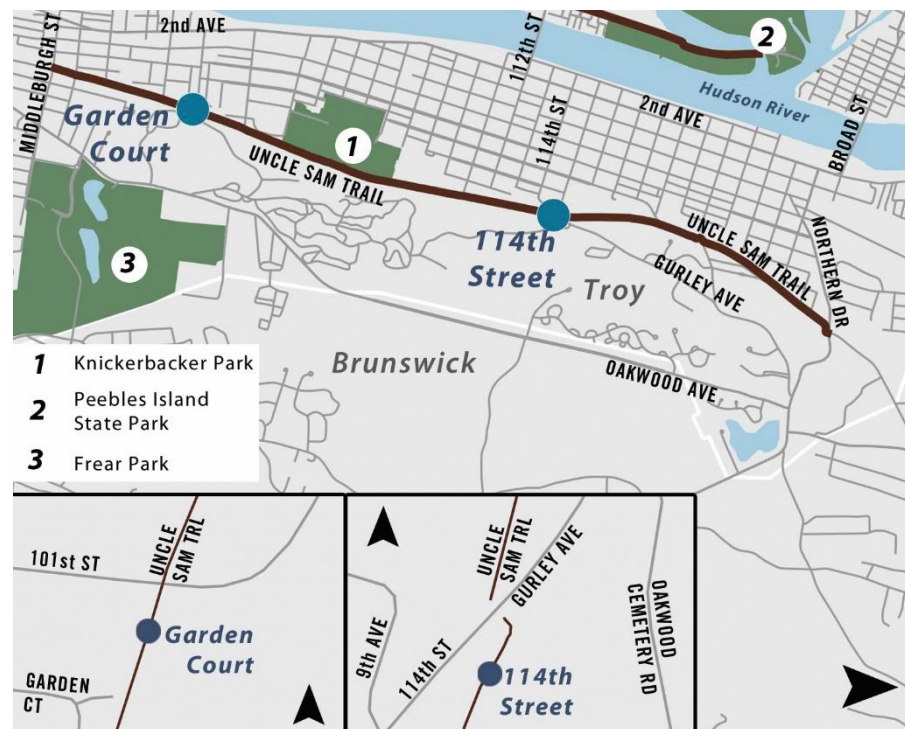
|           |        |
|-----------|--------|
| 114th St  | 20,358 |
| Garden Ct | 33,150 |

### Estimated Seasonal Usage

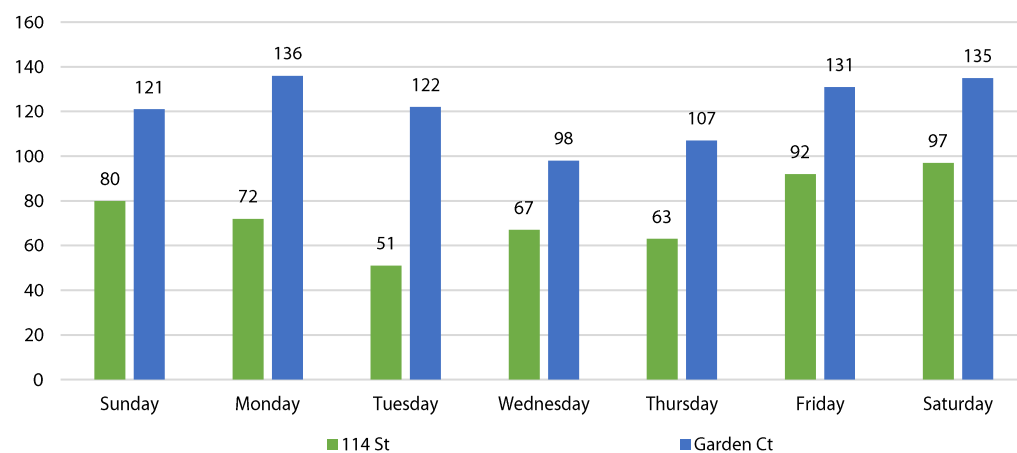
|        | 114 St | Garden Ct |
|--------|--------|-----------|
| Winter | 2,378  | 3,872     |
| Spring | 6,586  | 10,724    |
| Summer | 7,803  | 12,706    |
| Fall   | 3,591  | 5,848     |

### Usage Mode Split

|             | 114 St | Garden Ct |
|-------------|--------|-----------|
| Bicyclists  | 23%    | 63%       |
| Pedestrians | 77%    | 37%       |
| Other       | 0%     | 0%        |



### Daily Usage



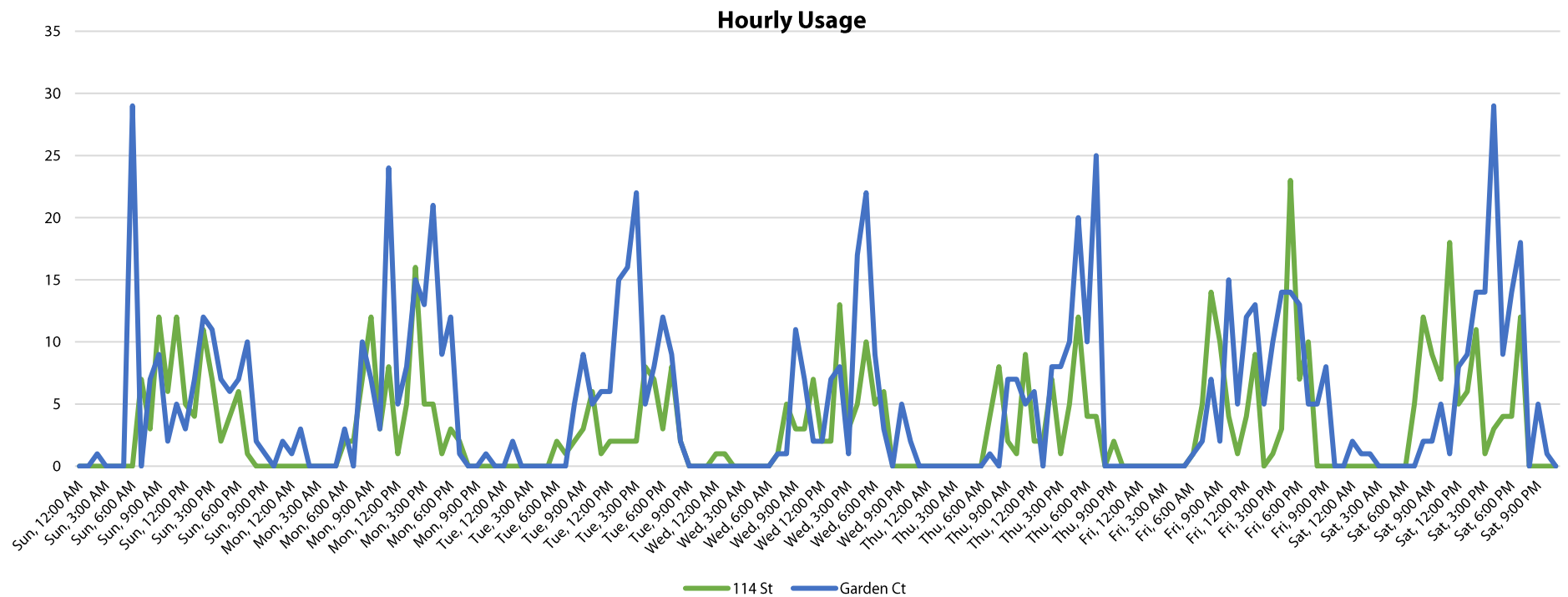
### Daily Usage Profile

|                    | 114th St              | Garden Ct        |
|--------------------|-----------------------|------------------|
| Average weekday    | 69                    | 119              |
| Average weekend    | 89                    | 128              |
| Maximum weekday    | Friday                | Monday           |
| Maximum weekend    | Saturday              | Saturday         |
| Peak weekday usage | Friday, 5-7 PM        | Tuesday, 2-4 PM  |
| Peak weekend usage | Saturday, 10 AM-12 PM | Saturday, 3-5 PM |



| Estimated Monthly Usage |               |               |
|-------------------------|---------------|---------------|
|                         | 114th St      | Garden Ct     |
| January                 | 611           | 995           |
| February                | 611           | 995           |
| March                   | 1,425         | 2,321         |
| April                   | 2,239         | 3,647         |
| May                     | 2,239         | 3,647         |
| June                    | 2,443         | 3,978         |
| July                    | 2,647         | 4,310         |
| August                  | 2,850         | 4,641         |
| September               | 2,239         | 3,647         |
| October                 | 1,221         | 1,989         |
| November                | 1,221         | 1,989         |
| December                | 611           | 995           |
| <b>Annual</b>           | <b>20,358</b> | <b>33,150</b> |

| Usage Gender Split |          |      |           |      |
|--------------------|----------|------|-----------|------|
|                    | 114th St |      | Garden Ct |      |
|                    | Female   | Male | Female    | Male |
| Bicyclists         | 3%       | 19%  | 24%       | 54%  |
| Pedestrians        | 32%      | 45%  | 17%       | 29%  |
| Overall            | 35%      | 65%  | 41%       | 59%  |



## Zim Smith Trail

Malta and Round Lake

Trail length – 10 miles

### Estimated Annual Usage

|                       |        |
|-----------------------|--------|
| Shenantaha Creek Park | 53,781 |
| Goldfoot Road         | 79,677 |

### Estimated Seasonal Usage

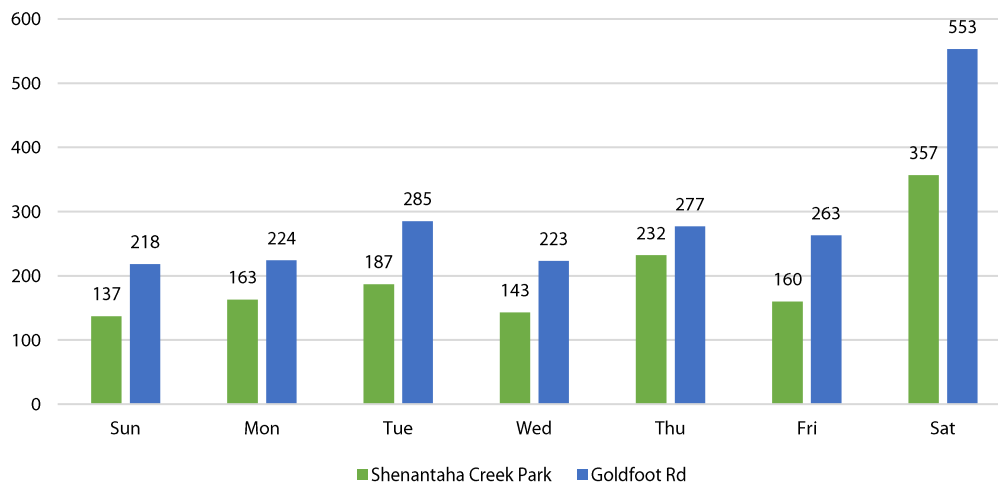
|        | Shenantaha Creek Park | Goldfoot Road |
|--------|-----------------------|---------------|
| Winter | 6,282                 | 9,306         |
| Spring | 17,398                | 25,776        |
| Summer | 20,614                | 30,540        |
| Fall   | 9,487                 | 14,055        |

### Usage Mode Split

|             | Shenantaha Creek Park | Goldfoot Road |
|-------------|-----------------------|---------------|
| Bicyclists  | 65%                   | 51%           |
| Pedestrians | 34%                   | 48%           |
| Other       | 1%                    | 1%            |



### Daily Usage



### Daily Usage Profile

|                    | Shenantaha Creek Park | Goldfoot Road         |
|--------------------|-----------------------|-----------------------|
| Average weekday    | 177                   | 254                   |
| Average weekend    | 247                   | 386                   |
| Maximum weekday    | Thursday              | Tuesday               |
| Maximum weekend    | Saturday              | Saturday              |
| Peak weekday usage | Monday, 5-7 PM        | Monday, 5-7 PM        |
| Peak weekend usage | Saturday, 9-11 AM     | Saturday, 10 AM-12 PM |

| Estimated Monthly Usage |                       |               |
|-------------------------|-----------------------|---------------|
|                         | Shenantaha Creek Park | Goldfoot Road |
| January                 | 1,613                 | 2,390         |
| February                | 1,613                 | 2,390         |
| March                   | 3,765                 | 5,577         |
| April                   | 5,916                 | 8,764         |
| May                     | 5,916                 | 8,764         |
| June                    | 6,454                 | 9,561         |
| July                    | 6,992                 | 10,358        |
| August                  | 7,529                 | 11,155        |
| September               | 5,916                 | 8,764         |
| October                 | 3,227                 | 4,781         |
| November                | 3,227                 | 4,781         |
| December                | 1,613                 | 2,390         |
| <b>Annual</b>           | <b>53,781</b>         | <b>79,677</b> |

| Usage Gender Split |                       |      |               |      |
|--------------------|-----------------------|------|---------------|------|
|                    | Shenantaha Creek Park |      | Goldfoot Road |      |
|                    | Female                | Male | Female        | Male |
| Bicyclists         | 25%                   | 40%  | 23%           | 28%  |
| Pedestrians        | 19%                   | 16%  | 23%           | 25%  |
| Overall            | 44%                   | 56%  | 46%           | 54%  |

