

## Cornell Tech Campus, Phase 1 Methods

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The full case study can be found at: <https://landscapeperformance.org/case-study-briefs-cornell-tech-campus>

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## Research Strategy

This post-occupancy analysis of the Cornell Tech Campus’s landscape performance consisted of mixed methodologies to integrate qualitative and quantitative data to assess the environmental, social, and economic benefits provided to Cornell Tech Campus users and the greater Roosevelt Island community. Throughout the spring 2021 semester and the following summer months, the research team collected an extensive repository of primary and secondary data to support examining potential benefits yielded by opening the site’s first phase in 2017. In reviewing the objectives expressed by the campus master plan, specific benefits were identified to assess the performance of the open space.

Situated on Roosevelt Island, environmental benefits include the resiliency to flooding and the ability of the open space to mitigate stormwater accumulation. Secondary data regarding pre- and post-construction conditions of the site helped determine the efficacy of heightening the elevation of the campus. Social benefits were determined from an array of primary and secondary data acquired from site visits, survey canvassing of Cornell Tech-affiliated users and site visitors, and aggregating and categorizing data from social media posts. In evaluating notable economic benefits, secondary data compiled from Cornell Tech reports reflect growth in the number of job opportunities related to construction and year-round maintenance of the site.

The research team speculates that the Cornell Tech Campus still presents intriguing opportunities for further research on its landscape performance. As the current site reflects only the first of three construction phases, the team anticipates further building development, acceleration of climate change, and transformed social dynamics in future completion of phase 2 (2027) and phase 3 (2037) may present considerable longitudinal observations for the site.

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## Environmental Benefits

- ***Stores and treats an estimated 1.9 million gallons of stormwater runoff annually before it is released into the East River through a network of biofiltration gardens and infiltration trenches.***

### **Background:**

The Cornell Tech site has six biofiltration areas: four above-ground rain gardens totaling 3,800 square feet, and two subterranean gravel trenches totaling 5,500 square feet, with five to six feet of sand-based soil and one foot of loose stone base. Combined, the infiltration trenches hold and store stormwater (and any overflow from the rainwater harvesting tank) and direct it to the rain gardens, which treat the runoff before it enters the East River.

### **Method:**

Total runoff reduction was calculated using a formula from the Center for Neighborhood Technology's "The Value of Green Infrastructure" guidebook.<sup>1</sup> Input required for the formula includes annual precipitation, the area of the bioretention features, the drainage area, and the percent of rainfall captured by the bioretention feature. Annual precipitation (49.94 inches) was obtained from the National Weather Service's observation station at Central Park, the closest station to the site.<sup>2</sup> The area of the bioretention features was obtained from conversations with the project landscape architecture team.<sup>3</sup> The drainage area was assumed to be all impervious surfaces on the site and was measured using ArcMap. The percent of rainfall captured by the bioretention feature was conservatively estimated using the low end of an 80% to 90% retention range, as estimated by the Water Environmental Federation for urban systems.<sup>4</sup>

### **Calculations:**

Total runoff reduction = ((annual precipitation) \* (bioretention feature area + drainage area) \* (percent of rainfall captured)) \* (144 sq in/sq ft) \* (0.00433 gal/cubic inch)

Total runoff reduction = ((49.94 in) \* ((3,800 sq ft + 5,500 sq ft) + 68,742 sq ft) \* (0.8)) \* (144 sq in/sq ft) \* (0.00433 gal/cubic inch)

Total runoff reduction = 1,944,094.20 gallons ≈ **1.9 million gallons**

### **Sources:**

- (1) Total Runoff Reduction Formula for Bioretention and Infiltration. "The Value of Green Infrastructure." *Center for Neighborhood Technology*. 2010.  
[https://www.cnt.org/sites/default/files/publications/CNT\\_Value-of-Green-Infrastructure.pdf](https://www.cnt.org/sites/default/files/publications/CNT_Value-of-Green-Infrastructure.pdf).
- (2) Annual Climatological Report, Central Park, New York. *National Weather Service*. June 8, 2021.  
<https://forecast.weather.gov/product.php?site=NWS&issuedby=NYC&product=CLA&format=CI&version=1&glossary=1&highlight=off>
- (3) Interview with Biyoung Heo and Karen Tamir of James Corner Field Operations. July 2021.
- (4) Water Environment Federation. *Design of Urban Stormwater Controls*. 2012.

**Limitations:**

- The figure for annual precipitation is based on historical observations covering the period from 1981 to 2010. This figure may be underestimated because it is based on a time series that does not consider more recent years when the effects of climate change have become increasingly evident in the increased frequency and severity of precipitation events. If the figure for annual precipitation is underestimated, the calculated runoff reduction figure would also be underestimated.
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- ***Protects against flooding by elevating primary building entrances above the 500-year floodplain through reusing excavated material to raise the site as much as 11 ft in some locations, far exceeding New York City Building Code standards.***

**Background:**

The Cornell Tech campus is highly susceptible to flooding because of its location on especially narrow and low-lying Roosevelt Island. Significant portions of the site lie within both the 100-year and 500-year floodplains. At the time of construction, New York City's Building Code required non-residential structures located in the 100-year floodplain to be either flood-proofed or elevated one foot above the base flood elevation.<sup>1</sup> Buildings on Cornell Tech's campus are built under the more conservative assumption that the current 500-year flood level will likely replace the 100-year flood level in the future with climate change and rising sea levels.<sup>2</sup> Considering this possibility, the site's elevation was raised as much as eleven feet in some locations. In addition to elevating the site, building entrances were purposely located along the Tech Walk, the interior circulation path through campus that follows a natural ridge in the island's topography.

**Method:**

LiDAR-derived digital elevation models (DEMs) were obtained from the years 2014<sup>3</sup> and 2017<sup>4</sup> to represent pre- and post-construction conditions at the site, respectively. DEMs are high-resolution models of the ground surface. "Bare earth" DEMs, which remove structures and vegetation, were used for this analysis.

The DEM data was opened and analyzed in ArcMap, a Geographic Information Systems (GIS) program. Elevational profiles were taken along the path of the Tech Walk (as shown in Figure 1 below). The profiles from each year were compared, and the delta between the post-construction elevation in 2017 and the pre-construction elevation in 2014 was used to determine the amount by which the site was raised.

As shown in Figure 1 below, the primary entrances of campus buildings that open onto the Tech Walk are elevated above the 500-year floodplain as delineated in FEMA's 2015 Preliminary Flood Insurance Rate Maps (FIRMs).<sup>5</sup> In future phases of the project, additional buildings will be built on the elevated building pads created by the topographic mounds in the interim landscape area of the site.

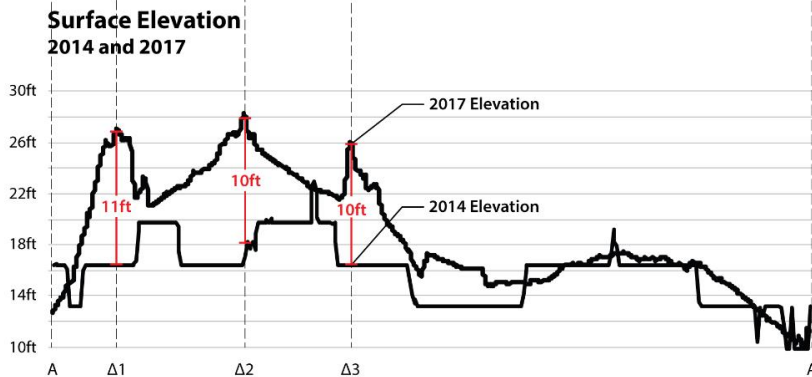
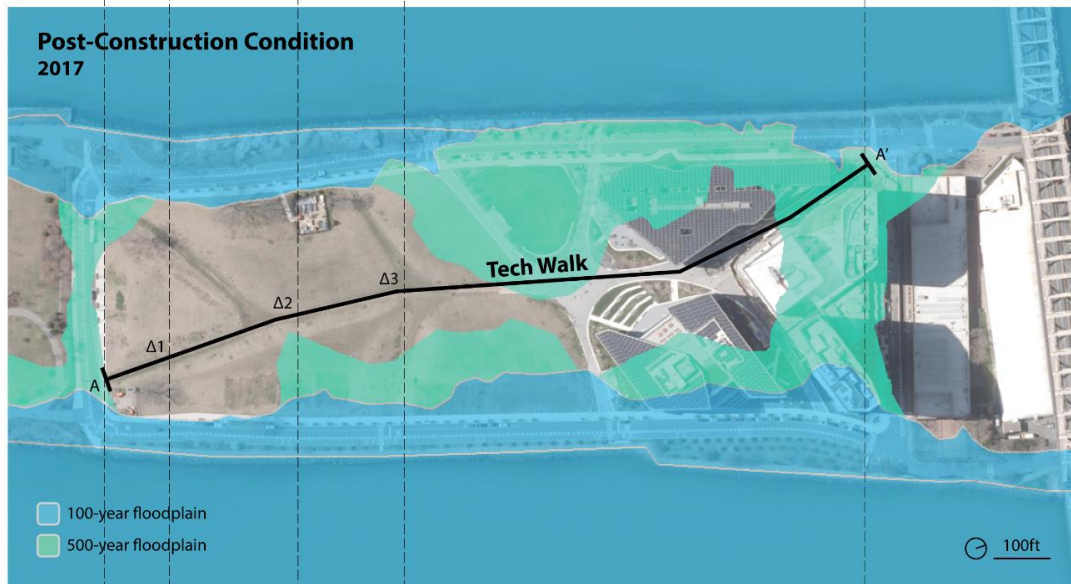
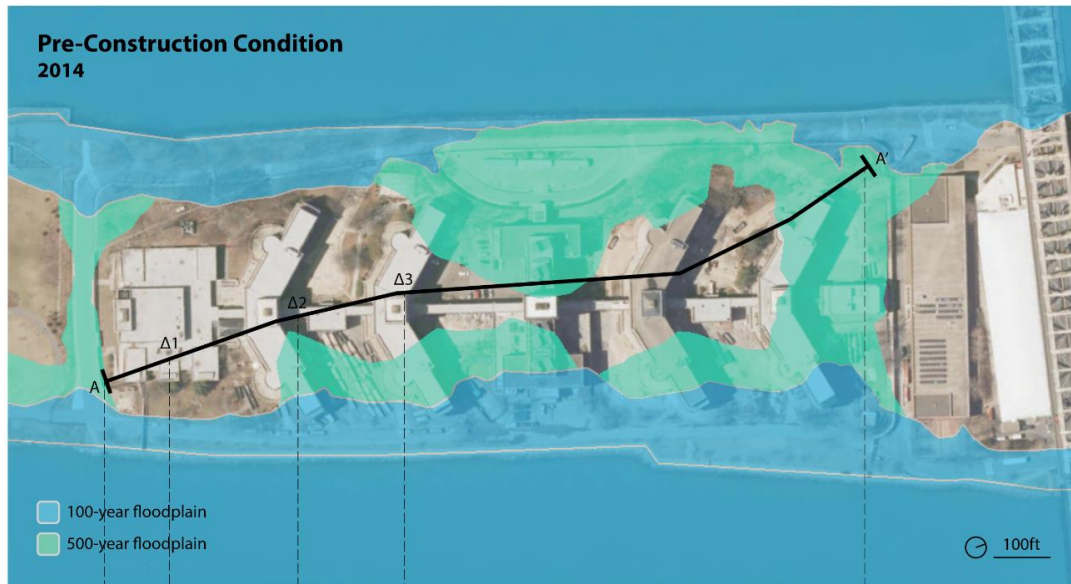


Figure 1: Change in Surface Elevation from 2014 to 2017

**Calculations:**

Change in surface elevation from 2014 to 2017 in areas of site with most significant change (see Figure 1):

$$\Delta 1 = 27 \text{ ft} - 16 \text{ ft} = 11 \text{ ft}$$

$$\Delta 2 = 28 \text{ ft} - 18 \text{ ft} = 10 \text{ ft}$$

$$\Delta 3 = 26 \text{ ft} - 16 \text{ ft} = 10 \text{ ft}$$

**Sources:**

- (1) New York City Flood Resilience Zoning Amendment. *The Georgetown Climate Center*. October 9, 2013. <https://www.adaptationclearinghouse.org/resources/new-york-city-flood-resilience-zoning-amendment.html>.
- (2) “Cornell Tech Designed ‘for Next Century.’” *Cornell Chronicle*. November 20, 2013. <https://news.cornell.edu/stories/2013/11/cornell-tech-designed-next-century>.
- (3) New York Coastal Marine and Geology Program (CMGP) Sandy LiDAR. *USGS*. October 16, 2014. <http://gis.ny.gov/elevation/metadata/USGS-NY-Sandy-Recovery-Lidar-DEM-IMG.xml>.
- (4) New York City 2017 LiDAR TopoBathymetric Bare Earth DEM. The City of New York. June 19, 2018. <http://gis.ny.gov/elevation/metadata/2017NYC-topobath-DEM.XML>.
- (5) 2015 Preliminary Flood Insurance Rate Maps (FIRMs). *FEMA*. December 27, 2016. [https://services5.arcgis.com/GfwWNkhOj9bNBqoJ/arcgis/rest/services/S\\_FLD\\_HAZ\\_AR/FatureServer](https://services5.arcgis.com/GfwWNkhOj9bNBqoJ/arcgis/rest/services/S_FLD_HAZ_AR/FatureServer).

**Limitations:**

- The FEMA floodplains used in this analysis come from Preliminary Flood Insurance Rate Maps (FIRMs) issued in 2015. In 2016, New York City filed and won an appeal claiming that FEMA’s modeling overestimated the size of the 100-year floodplain and the height of the Base Flood Elevations. Revised versions of FEMA’s maps are forthcoming. In the interim, the City’s Building Code reflects the 2015 Preliminary FIRMs. As it relates to this analysis, the floodplains shown on the above maps, while based on the best available data, may be overestimated.

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- ***Generates an average of 772 MWh per year of solar energy, conserving carbon emissions equivalent to the amount sequestered by 668 acres of forest.***

**Background:**

The Cornell Tech campus is powered, in part, by a 2,093-panel photovoltaic array located on the roofs of the Bloomberg Center and the Tata Innovation Center. Solar electricity production from this array goes toward a portion of these buildings’ energy demands and powers the motion-activated pedestrian lighting system. At the time of installation in 2017, the Cornell Tech photovoltaic array was the largest in Manhattan.<sup>1</sup>

**Method:**

Solar electricity generation data for the Cornell Tech site was obtained from the New York State

Energy Research and Development Authority (NYSERDA) for the two-and-a-half-year period from October 2018 through May 2021 (see Table 1 below).<sup>2</sup>

Time Period	Solar Electricity Generated
October 2018 to October 2019 (1 year)	749,361 kWh
November 2019 to November 2020 (1 year)	924,131 kWh
December 2020 to May 2021 (6 months)	257,207 kWh

**Table 1: Solar Generation from October 2018 to May 2021**

This data was used to produce a yearly average of solar production. This annual average was input into the Environmental Protection Agency’s (EPA) “Greenhouse Gas Equivalencies Calculator” to determine the size of a forest that sequesters the same amount of carbon saved by Cornell Tech’s solar array.<sup>3</sup>

**Calculations:**

Total solar production from October 2018 to May 2021:

$$749,361 \text{ kWh} + 924,131 \text{ kWh} + 257,207 \text{ kWh} = 1,930,699 \text{ kWh}$$

Yearly average solar production (in kWh):

$$(1,930,699 \text{ kWh}) / (2.5 \text{ years}) = 772,280 \text{ kWh/yr}$$

Yearly average solar production (in metric tons CO<sub>2</sub>)<sup>4</sup>:

$$(772,280 \text{ kWh/yr}) * (7.09 \times 10^{-4} \text{ metric tons CO}_2/\text{kWh}) = 547.55 \text{ metric tons CO}_2/\text{yr}$$

Acres of forest with carbon sequestration equivalent to a yearly average of carbon saved from solar production<sup>5</sup>:

$$(547.55 \text{ metric tons CO}_2/\text{yr}) / (0.82 \text{ metric tons CO}_2/\text{acre/year}) = 667.74 \text{ acres of forest} \approx 668 \text{ acres of forest}$$

**Sources:**

- (1) Cornell Tech Solar Environment. *EDF Renewables*. March 13, 2020. <https://www.entersolar.com/solar-urban-environments/>.
- (2) Cornell University Performance Snapshot. *NYSERDA*. June 2021. <https://der.nyserda.ny.gov/reports/view/performance/?project=687>.
- (3) Greenhouse Gas Equivalencies Calculator Widget. *EPA*. September 6, 2018. <https://der.nyserda.ny.gov/reports/view/performance/?project=687>.
- (4) Emission Factor Formula. *EPA*. 2020. <https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references>.
- (5) Conversion Factor for Carbon Sequestered in One Year by 1 Acre of Average U.S. Forest. *EPA*. 2020. <https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator>.

[calculations-and-references#deforestation](#)

(6) Interview with Michael Weissman, Director of Finance at Cornell Tech. July 20, 2021.

**Limitations:**

- Though longer-term data would be ideal for producing a more accurate yearly average for solar production, data was only available for the period from October 2018 to May 2021.
- Solar production for the period from March 2020 through May 2021 may have been impacted by the COVID-19 pandemic, which resulted in the partial closure of the Cornell Tech campus and decreased use of campus facilities.
- This analysis assumes that all solar electricity generated by the panels is used. On some days, it may be possible that less energy is consumed than is generated, and this excess energy may be sent back to the grid. This condition would result in the figures in this analysis (including the reduction in non-renewable energy consumption and the acres of forest equivalency) being overestimated.
- It should also be noted that, on a yearly basis, the solar panels on site do not produce as much solar energy as the campus consumes. Cornell Tech supplements the solar energy it produces on-site with additional solar energy purchased from the grid. For the period from November 2019 to May 2021, the solar panels on-site produced roughly 37% of the campus's total solar energy consumption (1181 MWh generated of the 3208 MWh consumed).<sup>6</sup>



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## Social Benefits

- ***Encourages recreational and social activity on site, with 44% of 45 surveyed Cornell Tech faculty and staff spending time outside daily and 40% spending time outside at least once per week. 84% of the 45 surveyed faculty and staff reported that when they spend time outdoors on the site they spend more than 15 minutes.***
- ***Encourages public use, with 93% of 14 surveyed visitors reporting having no affiliation with Cornell Tech and 64% reporting living outside of Roosevelt Island.***

### ***Background:***

One of the objectives of the site was to create accessible open space for public use. In addition to open entries at all perimeters of the campus, special signage is placed at the entry points to remind park visitors that the campus is open to the public.

### ***Method:***

Two types of surveys were utilized to assess social benefits. The first survey targeted Cornell Tech-affiliated users, including students, faculty, and staff. The Cornell Tech-Affiliated Survey was distributed virtually and prompted questions focusing on the interaction of the open space in their respective academic and job functions. The survey yielded 45 responses from faculty, researchers, and staff on the campus<sup>1</sup>. One response was from a student.

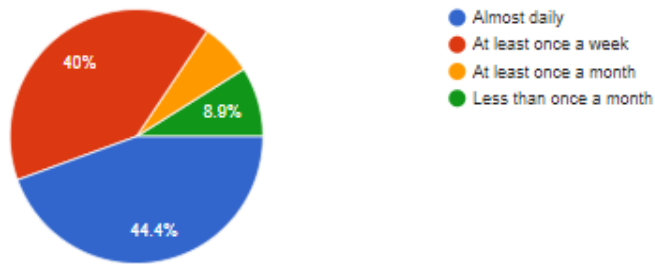
The second survey was an On-Site Survey that canvassed park users during a research team site visit<sup>2</sup>. The weather during the site visit was perfect for outdoor use, exhibiting 91 F degrees with clear skies. In contrast to the Cornell Tech-affiliated Survey, this survey asked park users general questions, including their primary residence location, what was their transportation mode to the site, and what amenities and activities they enjoy. After we provided on-site users information about the study and the informed consent, they completed the survey, providing any additional commentary on the back of the printed forms or verbally expressed through conversation. The survey yielded 14 responses from on-site visitors.

### ***Calculations:***

Survey results are provided in Appendix A.

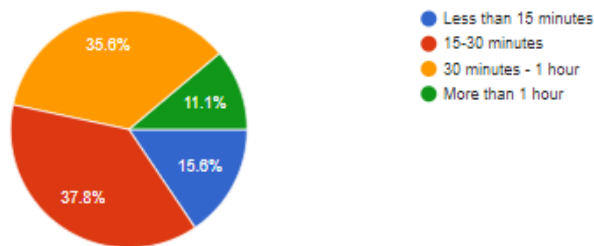
How often do you spend your time outside on Cornell Tech's campus?

45 responses



On average, how long do you spend outside?

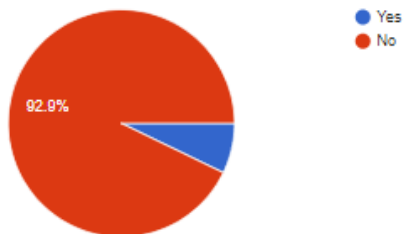
45 responses



$11.1 + 35.6 + 37.8 = 84\%$  of surveyed visitors spending over 15 minutes on-site.

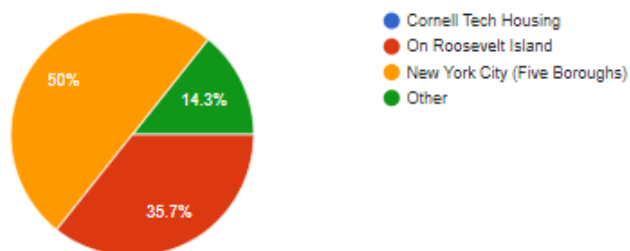
Are you affiliated with Cornell Tech (student, faculty, staff)?

14 responses



Where do you live?

14 responses



$50 + 14.3 = 64\%$  report living outside of Roosevelt Island

**Sources:**

- (1) Online Google Survey for Cornell Tech Affiliates
- (2) June 6th, 2021 Site Visit.

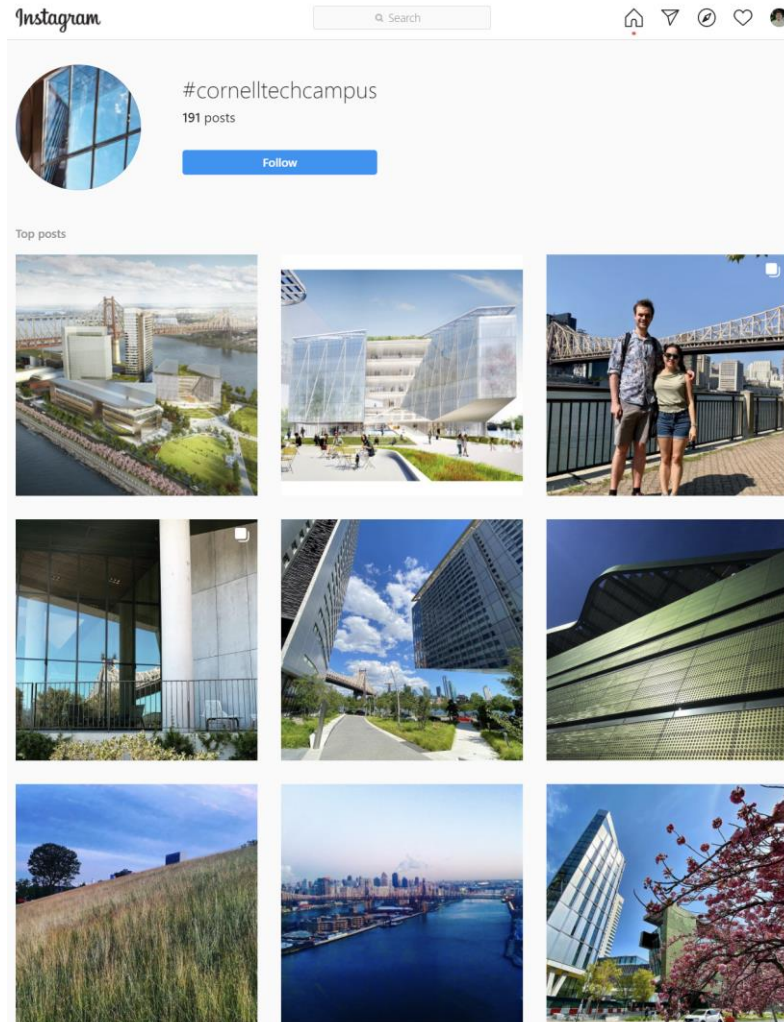
**Limitations:**

- One day of canvassing park visitors on-site may not reflect the regular frequency of users over a longer duration.
  - The COVID-19 pandemic may skew the percentage of non-Cornell Tech park users due to regular academic sessions not taking place, or summer session courses being virtual.
  - Due to the COVID-19 pandemic, the campus and apartment housing are not at full capacity due to hybrid and online learning sessions. Strict adherence to social distancing may also impact perceptions of interaction and collaboration amongst Cornell Tech students, faculty, and staff. To note, some students at Cornell Tech may be enrolled in one-year master programs or research projects, which may have taken place throughout the pandemic, meaning they would not have experienced “normal” site operating status.
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- ***Provides aesthetic and scenic value, with #cornelltechcampus appearing in at least 126 social media posts since the site’s opening. The site’s views, landscape, and architecture are represented in 44% of posts that feature views of the city skyline, 63% that feature vegetation, and 59% that feature the campus building facades.***

**Background:**

The Cornell Tech Campus makes an attractive site for photographers and visitors to post images on social media. The campus’s proximity to the Manhattan, Brooklyn, and Queens skylines makes a great vantage point for photos. Additionally, the campus features several furnishings and amenities which contribute to scenic views.



**Figure 2: #cornelltechcampus publicly visible posts. Source: Instagram, retrieved on June 3, 2021.**

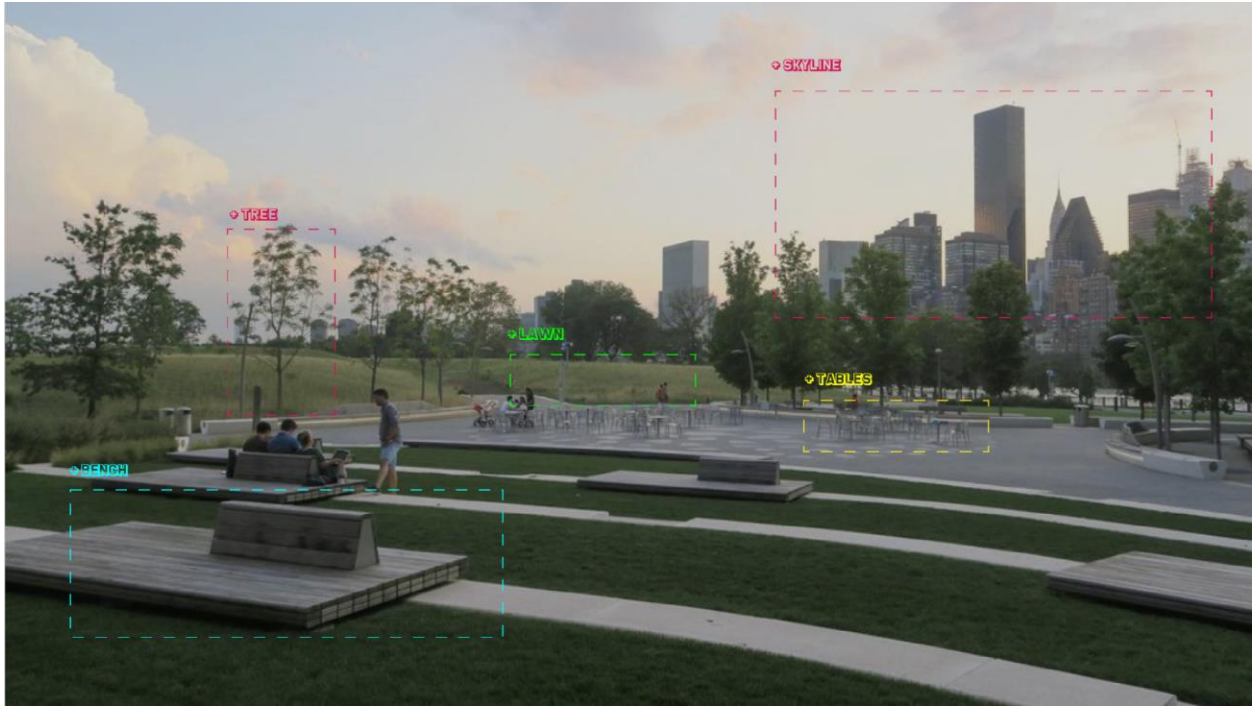
***Method:***

Using the social media platform Instagram, the hashtag #cornelltechcampus best reflected a canvas of exterior shots on the site. All publicly available posts using this hashtag were downloaded with information of the post’s user, the number of likes, date posted, and other reported hashtags.

**Step 1: Establishing Categories**

A set of landscape element categories were determined to apply to each image, if applicable broadly. These photo element categories include:

*Building facade, lawn, trees, bench, esplanade, river, skyline, bridge, amphitheater, pavement pattern, swale, shade, tables, lighting, airtram*



**Figure 3: Public post with identifying landscape elements. Source: @mizk\_spatial, Instagram**

**Step 2: Removing Irrelevant Posts**

Posts that showcased design renderings, construction, or former use of the site were removed. A few images posted before August 2018 (opening of the Cornell Tech Campus) featured these types of posts.

**Step 2: Categorizing Posts**

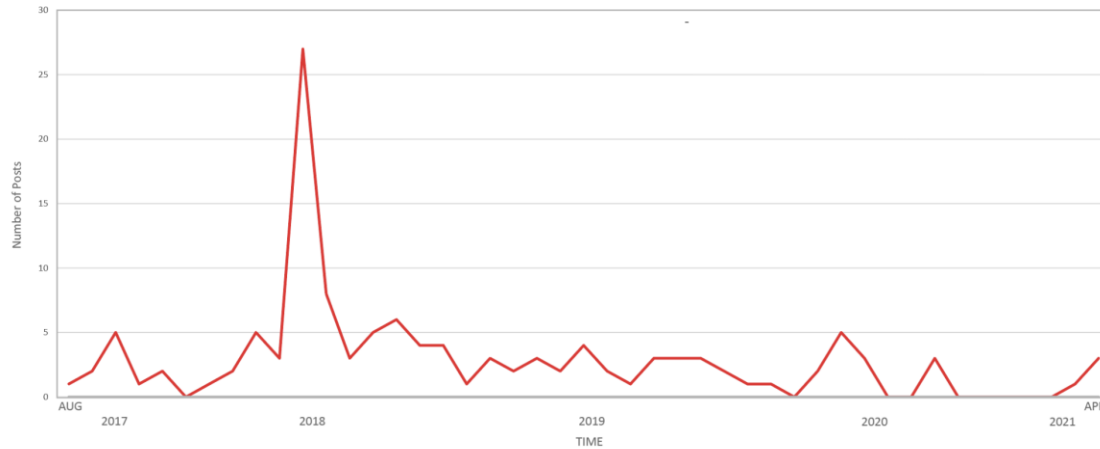
Each of the 126 collected public posts<sup>1</sup> from #cornelltechcampus was reviewed to determine which landscape elements were featured in each post.

**Calculations:**

Diagrams of analysis will be provided for the following:

Landscape Element	Frequency
Skyline	56 posts
Trees	69 posts
Building Facade	74 posts
Lawn	38 posts
Plant	12 posts

**Table 2: Sample Landscape Elements Featured in #cornelltechcampus**



**Figure 4: Frequency of posts using #cornelltechcampus (2017-2021)**

The hashtag yielded 126 pertinent images for categorizing elements on the site. Each element frequency was used to compare the total posts.

*City Skyline Posts:*

56 posts / 126 posts = .44 = **44%**

*Building Facade Posts:*

74 posts / 126 posts = .58730159 = **58.7%**

*Vegetation Posts:*

69 posts (trees) + 7 posts (plant [exclusive from tree posts]) + 3 posts (lawn [exclusive from tree and plant posts]) = .62698413 = **62.7%**

**Sources:**

(1) Instagram, #cornelltechcampus, retrieved on June 3, 2021.

**Limitations:**

- These posts collected from the #cornelltechcampus hashtag do not include posts from private accounts, and therefore may not reflect the total number of posts that utilize the hashtag.
- Limitations in API features on Instagram prevent more reviews of other relatable and more commonly used hashtags, such as #cornelltech, which caps potential viewable posts after an excessive amount.
- Some posts were omitted from the collection due to irrelevant content. These posts did not include exterior shots, were design vignettes of the campus (pre-construction), or did not have any relevance to the site.
- As indicated in Figure 4, there was a spike in the number of posts in 2018. During June, one user posted multiple images on their account using the #cornelltechcampus hashtag. This skewed the normal frequency of posts on Instagram.

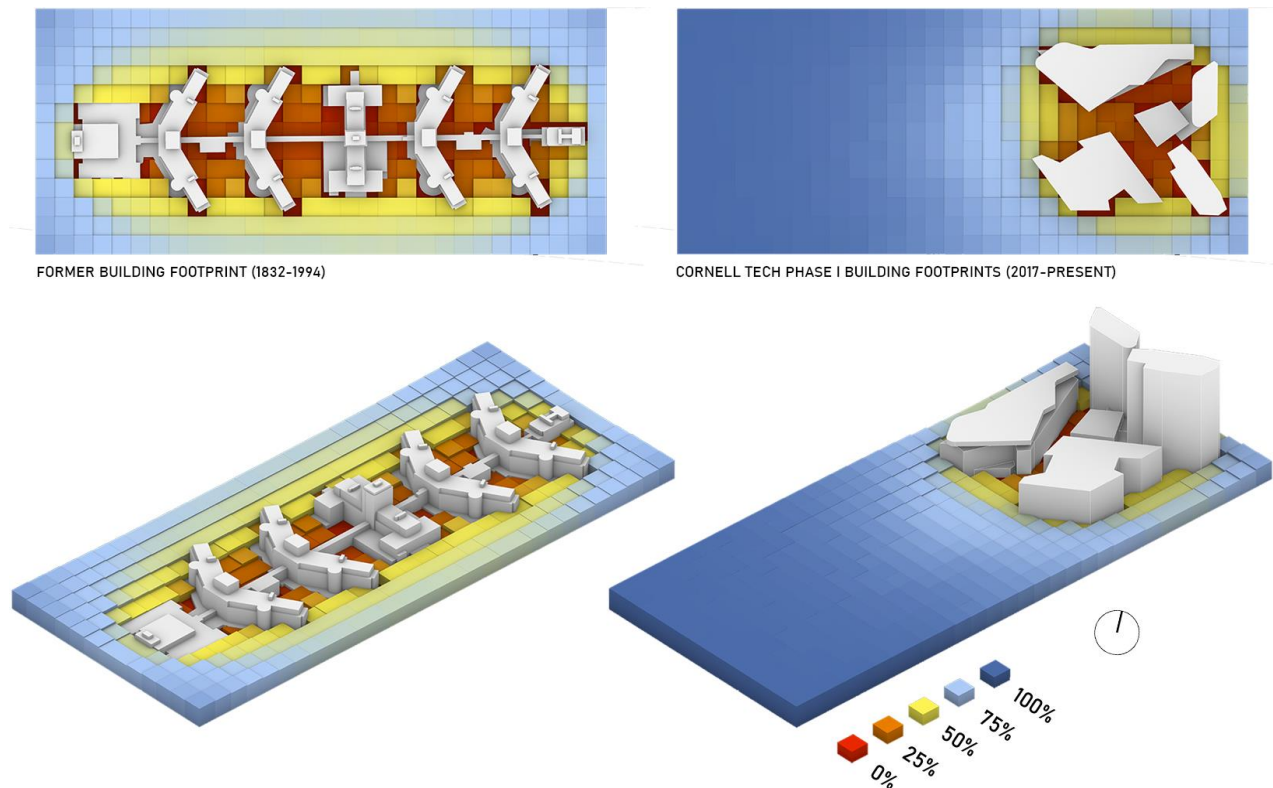
- **Improved visibility of the East River and the Manhattan, Queens, and Brooklyn skylines from the site by 26% as compared with views from the former hospital complex.**

**Background:**

The redevelopment of the former City Hospital site enabled improving viewsheds from the site of the East River and the Manhattan, Queens, and Brooklyn skylines. The building footprint of the former hospital structure comprised approximately 4.82 acres of the site. During the master planning phase for the Cornell Tech Campus, the site planning for the academic and residential buildings provided new considerations for improved circulation, open space accessibility, and viewsheds for Cornell Tech and park visitor users.

**Method:**

Using 3D models of pre-and post-construction of Cornell Tech, a Grasshopper 3D script was utilized to visualize the transformation of the viewshed on the site. Following a script developed by YouTube user Michael Bat<sup>1</sup>, the script divided the area with 50' x 50' squares, calculating the percentage of viewshed access with the building footprints of the City Hospital building<sup>2</sup> and the Cornell Tech buildings. Determining the viewshed was based on the average distance between the site and the skylines in the adjacent boroughs across the East River. The distance determined was 1250 feet. Using a gradient visualizer, the color grids assess the percentage of visibility. The bluer the grid square, the higher visibility it retains for that distance—the redder the grid square, the lower the visibility.



**Figure 5: Viewshed Analysis, Comparing the Former Hospital Complex to Cornell Tech**

**Calculations:**

Average 50' X 50' Grid Viewshed (Former Hospital Complex): 44.7%

Average 50' X 50' Grid Viewshed (Cornell Tech Campus, Phase I): 71.1%

The difference in Average 50' X 50' Grid Viewshed:

$71.1\% - 44.7\% = 26.4\%$

**Sources:**

- (1) Bat, Michael. Visibility Analysis. YouTube. [video]. Retrieved from <https://www.youtube.com/watch?v=30rhWofRgIY>
- (2) NYC 3D Model, NYC Department of City Planning Website.

**Limitations:**

- The visibility results with the Cornell Tech campus are based on Phase I. Further phases of the Cornell Tech Campus will anticipate developing new academic buildings where the mounds are currently located, which will decrease the viewshed visibility over time.
- The grid slightly exaggerates the boundaries of Roosevelt Island. The analysis may include grids that overlay edges of the esplanade and the East River, which will not have any impact on the lot's building footprints.

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- ***Supported the creation of a new ferry stop with an average weekday ridership of 317 users and an average weekend ridership of 388 users, generating approximately \$1.26 million in revenue from 2017 through the beginning of 2021.***

**Background:**

In 2017, phase one of the NYC Ferry Service began a new service that runs along the East River. The new service line included a ferry station on Roosevelt Island on its eastern shore, establishing a connection between Astoria in the Queens borough to Wall Street in downtown Manhattan. Meghan French, former Senior Director of External Relations at Cornell Tech, stated in a press release on the opening day of the Roosevelt Island service that the university has committed \$2.5 million to the ferry service<sup>1</sup>.

**Method:**

The NYC Ferry publishes quarterly reports<sup>2</sup> on the ferry services across the city. Each report summarizes average ridership by weekday and weekend usage, with a specific delineation of each ferry station's utilization. We collected data from these quarterly reports since Q3 of 2017, when the Cornell Tech campus opened.

We determined ridership for weekday and weekend use of the Roosevelt Island ferry station by averaging each quarterly report's ridership.

In order to calculate the approximate revenue generated from the Roosevelt Island ferry station, the following equation was used, by quarterly report:



*Weekday Generated Revenue:*

Avg. Daily Weekday Ridership X # of Working Days in the Quarter X NYC Ferry Base Fare

*Weekend Generated Revenue:*

Avg. Daily Weekend Ridership X # of Weekend Days in the Quarter X NYC Ferry Base Fare

The average daily ridership for weekday and weekend trips was derived from taking the average from all the reported quarterly average daily ridership from the NYC Ferry website since the station's operation in Q3 2017.

**Calculations:**

Quarterly Report	Average Daily Weekday Ridership	Average Daily Weekend Ridership	Weekday Ridership Generated Revenue	Weekend Ridership Generated Revenue
Q3 2017	113	319	--	--
Q4 2017	336	317	\$76,554.50 (2017)	\$41,595.50 (2017)
Q1 2018	334	205	--	--
Q2 2018	446	493	--	--
Q3 2018	541	743	--	--
Q4 2018	370	310	\$295,290.88 (2018)	\$125,196.50 (2018)
Q1 2019	287	168	--	--
Q2 2019	488	798	--	--
Q3 2019	528	828	--	--
Q4 2019	357	318	\$297,866.25 (2019)	\$151,008.00 (2019)
Q1 2020	250	160	--	--
Q2 2020	89	170	--	--
Q3 2020	257	526	--	--
Q4 2020	193	281	\$142,118.63 (2020)	\$81,295.50 (2020)
Q1 2021	176	191	\$28,556.00 (Q1 2021)	\$14,707.00 (Q1 2021)
Average Overall Ridership	<b>317 Daily Weekday</b>	<b>388 Daily Weekend</b>		

**Table 3: Quarterly Reports of Ferry Usership in Roosevelt Island. Source: NYC Ferry Website.**

Total Approximate Generated Revenue from Weekday Ridership	Total Approximate Generated Revenue from Weekend Ridership
\$840,286.25	\$423,802.50

**Table 4: Approximate Generated Revenue from NYC Ferry Stop**

$\$840,286.25 + \$423,802.50 = \mathbf{\$1,264,088.75}$  total generated

**Sources:**

- (1) Mayor de Blasio Launches NYC Ferry Service Connecting Astoria, Roosevelt Island, LIC, and Manhattan. The Official Website of the City of New York. August 29, 2017. <https://www1.nyc.gov/office-of-the-mayor/news/566-17/mayor-de-blasio-launches-nyc-ferry-service-connecting-astoria-roosevelt-island-lic-manhattan#/0>
- (2) NYC Ferry Quarterly Reports, NYC Ferry Website.

**Limitations:**

- We used the NYC Ferry base fare of \$2.75 to approximate the revenue generated from the Roosevelt Island ferry station since opening. NYC Ferry may also charge other rates, depending on riders, including bike storage and mounting.
- The ferry stop was created to serve Roosevelt Island as a whole, not just the Cornell Tech Campus landscape.

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## Economic Benefits

- ***Contributed to increased property values at Roosevelt Island by an average of 4% between 2014 and 2018, when adjusted for inflation.***

### ***Background:***

The Cornell Tech Campus project manifested from Applied Sciences NYC, a competition hosted by then-Mayor Bloomberg to invite an institution to propose an extensive satellite campus to provide academic and technical training in the tech sectors. The competition evaluated proposals based on their ability to spur the city's mission of introducing a substantive technology industry sector into the region, supporting its economic growth. Specifically, the chosen location for the tech campus in Roosevelt Island aspired to stimulate activity on the island, increasing commerce, business growth, and housing for the existing community. After reviewing all the finalists, the City selected Cornell University and the Jacobs Technion University in Israel to develop the project.

### ***Method:***

We collected data on property valuation from the New York City Department of Finance<sup>1</sup>. Two specific periods were considered to compare the trend of the property values in Roosevelt Island:

The fiscal year 2014 (FY14) (takes into account property values of Roosevelt Island before construction of Cornell Tech)

The fiscal year 2018 (FY18) (takes into account property values of Roosevelt Island following the opening of the Cornell Tech Campus in September 2017)

Archived reports on the Property Valuation and Assessment Data for New York City in FY14 and FY18 were available from the New York City Department of Finance website. For this benefit analysis, data entries of property tax lots that appeared in both FY14 and FY18 were used to analyze property value trends.

For the 585 properties in these reports, each property was evaluated by the percent change of the full valuation of the lot. To consider inflation between 2014 to 2018, a US inflation rate was applied for the FY14 entries to normalize the data to the FY18 property values. The inflation rate<sup>2</sup> between 2014 and 2018 was approximately 6.1%. Following each percentage change of the valuation of each property tax lot, these percentages were averaged to find the approximate percentage change on Roosevelt Island following the opening of the Cornell Tech Campus. These 585 properties overall exhibited a 10% increase in property value from 2014 to 2018.

**Calculations:**

Sample Data Entry and Calculation for One Property:

Block	Lot	Owner	Full Valuation (FY14)	Full Valuation (FY18)
1373	1007	Cornell University	\$145,315.00	\$166,742.00

**Table 5: Sample Data Entry for Block 1373 Lot 1007 Property. Source: NYC Department of Finance**

Sample Property Tax Lot Calculation:  
Block 1373 Lot 1007, Owner: Cornell University

\$145,315.00 <i>FY14 Full Valuation</i>	X 1.061 <i>X (6.1% for inflation)</i>	= \$154,033.90 <i>= FY14 Adjusted Full Valuation</i>
\$166,742.00 <i>FY18 Full Valuation</i>	- \$154,033.90 <i>- FY14 Adjusted Full Valuation</i>	= \$12,708.10 <i>= Difference in Full Valuation</i>
\$12,708.10 <i>Difference in Full Valuation</i>	/ \$154,033.90 <i>/ FY14 Adjusted Full Valuation</i>	

.08 X 100 = 8%  
= Percent Change in Full Valuation

Calculating Overall Property Value Percentage Change for all Properties:  
Summed all Property Valuation Change from 585 properties / 585 = Overall Property Value Change

**Sources:**

- (1) Property Valuation and Assessment Reports (FY14, FY18 Reports), New York City Department of Finance Website
- (2) [US Inflation Calculator. Web.](#)

**Limitations:**

- This analysis does not consider the changes made in these property tax lots, including change of ownership, Tax Classification determined by the City, etc.
- The FY18 data exhibited more property tax lots than FY14, indicating the creation of new units. However, these entries were not considered for the overall percentage change of property value for this benefit.
- Comparisons with more recent fiscal years may indicate increases in property values on Roosevelt Island. However, we assumed that utilizing FY20 for the forthcoming FY21 datasets may be outliers to any longitudinal trend due to the COVID-19 pandemic.

- **Reused 7,000 cu yds of excavated soil on-site, saving almost \$1 million in material, labor, and transportation costs.**

**Background:**

While construction occurred on the Phase I (northeast) area of the site, excavated soil material was stockpiled in the Phase II and III (southwest) areas (see Figure 6 below). This condition led to the idea to re-use the excavated material to create topographic mounds that elevate the interim Phases II and III areas of the site above the 500-year floodplain. The amount of stockpiled excavated soil was calculated by a surveyor to total 7,000 cubic yards. In consultation with the project civil engineer, the landscape architecture team designed the shape and size of the topographic mounds to re-use all 7,000 cubic yards of the excavated soil. The mounds were then capped with 16” of new soil to allow for planting.



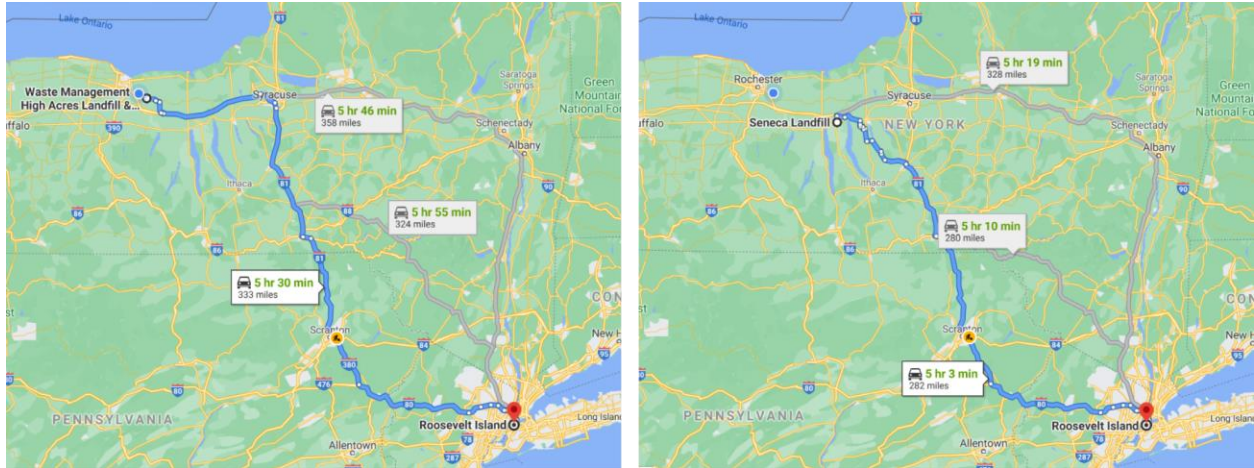
**Figure 6: Location of Topographic Mounds**

**Method:**

From discussions with the project landscape architect, we learned that 7,000 cubic yards of soil were retained and re-used on-site to create the topographic mounds in the site’s Phases II and III interim landscape area. This 7,000 cubic yard number is based on a cut-and-fill analysis performed by a surveyor.<sup>1</sup>

Local cost estimates were used to determine a low-to-high range for fill costs in New York City, from \$30 per ton to \$60 per ton.<sup>2</sup> An average cost for fill was calculated by averaging the low and high values of the range. The result was then converted to a cost per cubic yard using an online conversion calculator.<sup>3</sup> The resulting \$43.65 cost per cubic yard was multiplied by 7,000 cubic yards to estimate the cost savings of reusing the excavated material on-site instead of purchasing new fill. We determined that \$305,550 in material costs were saved by re-using the excavated soil to elevate the site.

If this excavated soil were instead transported off-site, it would likely have been sent to one of two landfills in upstate New York (either High Acres Landfill in Perinton, New York or Seneca Landfill in Waterloo, New York).<sup>4</sup> Depending on which landfill the fill was transported to and the route taken, the average distance traveled was estimated as 318 miles (see Figure 7 below).<sup>5</sup>



**Figure 7: Distance from Roosevelt Island to High Acres Landfill (left) and Seneca Landfill (right)**

Considering that an average dump truck can transport between 10 and 14 cubic yards of soil per load (or an average of 12 cubic yards per load), it would take roughly 584 loads to transport all 7,000 cubic yards of the excavated soil from the project site to the upstate landfills.<sup>6</sup> At an average marginal cost per mile of \$1.65, these 584 round-trip loads would cost approximately \$612,849.60 to transport.<sup>7</sup> (The \$1.65 per mile figure incorporates several different costs at the margin, including fuel, tolls, repair, and driver wages and benefits, as determined by the American Transportation Research Institute.)

If new fill were transported to the site instead, it would travel an average of 12.3 miles to the site<sup>8</sup>, based on the locations of the top three fill suppliers in the New York City metro area listed on The Blue Book database (see Figure 8 below).<sup>9</sup> At an average marginal cost per mile of \$1.65, these 584 round-trip loads would cost approximately \$23,704.56.



**Figure 8: Distance from Roosevelt Island to Fill Suppliers in New York City**

The total cost savings of re-using the excavated soil would be \$942,104.16, which includes the \$305,550 avoided from not having to purchase new fill, the \$612,849.60 avoided from not having to transport the excavated soil to upstate landfills, and the \$23,704.56 avoided from not having to transport new fill to the site.

### **Calculations:**

Average cost per ton of fill in New York City =  $(\$60/\text{ton} + \$30/\text{ton}) / 2 = \$45/\text{ton}$

Average cost per cubic yard of fill in New York City =  $(\$45/\text{ton}) * (0.97 \text{ ton/cubic yard}) = \$43.65/\text{cubic yard}$

Cost of 7,000 cubic yards of fill =  $(\$43.65/\text{cubic yard}) * (7,000 \text{ cubic yards}) = \$305,550.00$

Average distance to upstate landfill from Roosevelt Island =  $(358 \text{ mi} + 333 \text{ mi} + 324 \text{ mi} + 328 \text{ mi} + 280 \text{ mi} + 282 \text{ mi}) / 6 = 318 \text{ miles}$

Average capacity of dump truck =  $(10 \text{ cubic yards} + 14 \text{ cubic yards}) / 2 = 12 \text{ cubic yards}$

Number of dump truck loads required to transport 7,000 cubic yards =  $(7,000 \text{ cubic yards}) / (12 \text{ cubic yards per truck load}) = 584 \text{ loads}$

Number of round-trip loads =  $(584 \text{ loads}) * 2 = 1,168 \text{ round-trip loads}$

Cost to transport 7,000 cubic yards of fill to upstate landfills =  $(1,168 \text{ loads}) * (318 \text{ miles}) * (\$1.65 \text{ per mile}) = \$612,849.60$

Average distance to fill supplier from Roosevelt Island =  $(18.5 \text{ mi} + 14.9 \text{ mi} + 20.6 \text{ mi} + 9.0 \text{ mi} + 9.1 \text{ mi} + 11.3 \text{ mi} + 8.3 \text{ mi} + 8.3 \text{ mi} + 10.9 \text{ mi}) / 9 = 12.3 \text{ miles}$

Cost to transport 7,000 cubic yards of fill to Roosevelt Island =  $(1,168 \text{ loads}) * (12.3 \text{ miles}) * (\$1.65 \text{ per mile}) = \$23,704.56$

Total cost savings =  $\$305,550.00 + \$612,849.60 + \$23,704.56 = \mathbf{\$942,104.16}$

### **Sources:**

- (1) Interview with Biyoung Heo and Karen Tamir of James Corner Field Operations. July 2021.
- (2) Richard Schiffman. "The City's Buried Treasure Isn't Under the Dirt. It Is the Dirt." *The New York Times*. July 25, 2018. <https://www.nytimes.com/2018/07/25/nyregion/the-citys-buried-treasure-isnt-under-the-dirt-it-is-the-dirt.html>.
- (3) Cubic Yards to Tons Calculator. *The Calculator Site*. <https://www.thecalculatorsite.com/conversions/common/cubic-yards-tons.php>.
- (4) Richard Schiffman. "The City's Buried Treasure Isn't Under the Dirt. It Is the Dirt." *The New York Times*. July 25, 2018. <https://www.nytimes.com/2018/07/25/nyregion/the-citys-buried-treasure-isnt-under-the-dirt-it-is-the-dirt.html>.
- (5) Distance traveled is calculated in Google Maps. <https://maps.google.com>.
- (6) "How Much Can a Dump Truck Carry?" Lynch Truck Center. 2021. <https://www.lynchtruckcenter.com/how-much-can-a-dump-truck-carry/>.
- (7) Average Marginal Costs per Mile, 2011-2019. "An Analysis of the Operational Cost of Trucking: 2020 Update." *American Transportation Research Institute*. November 2020. <https://truckingresearch.org/wp-content/uploads/2020/11/ATRI-Operational-Costs-of-Trucking-2020.pdf>.

- (8) Distance traveled is calculated in Google Maps. <https://maps.google.com>.
- (9) "Fill & Backfill servicing New York City, Long Island & Hudson Valley." *The Blue Book Building & Construction Network*. 2021.  
<http://www.thebluebook.com/search.html?region=1&class=1850>.

**Limitations:**

- This analysis assumes that fill is transported entirely by truck. While it is hypothetically possible for fill to be transported to and from the site in this way, it is also possible that this route would be multi-modal, involving transportation by barge or rail, in tandem with transportation by truck. Costs per mile traveled would vary for each mode of transportation.
- 

- ***Created 9 permanent jobs for maintenance, management, and development of the open space, along with an average of 249 temporary jobs for open space and building construction each year between 2014 and 2020.***

**Background:**

The site requires year-round maintenance, management, and development of the open space to ensure best performance, accessibility, aesthetics, and cleanliness. Cornell Tech features an Office of Facilities Operations which oversees all facilities on campus, including its outdoor amenities.

**Method:**

In correspondence with Christian Miller, UG2 Director of Facility Management at Cornell Tech, he expressed that year-round operations regarding the open space management of the campus involve one full-time and two part-time employees on staff at Cornell Tech. These employees work one day per week for about 5 hours, conducting a series of maintenance work. Additionally, the Office of Facilities Operations outsources work to an external company that dedicates 6 staff members to the exterior maintenance of the campus.

Data on construction jobs for each fiscal year were provided by Julie Delay, Senior Director of Human Resources and Campus-Wide Initiatives. To determine the average number of temporary employment by fiscal year, we averaged all the reported fiscal years.

**Calculations:**

Julie Delay, Senior Director of Human Resources and Campus-Wide Initiatives at Cornell Tech, provided the number of construction jobs for each fiscal year, provided in Table 6.



<b>Fiscal Year (ending June 30th)</b>	<b>Average Number of Construction Jobs</b>
2014	128 jobs
2015	120 jobs
2016	483 jobs
2017	540 jobs
2018	59 jobs
2019	202 jobs
2020	211 jobs

**Table 6: Average Number of Construction Jobs (by month) per Fiscal Year<sup>2</sup>.**

Calculating Average Temporary Jobs for Construction by Fiscal Year:  
 $128 + 120 + 483 + 540 + 59 + 202 + 211 = 1,743 / 7$  (number of fiscal years) = **249 jobs**

**Sources:**

- (1) Christian Miller, CFM, UG2 Director of Facility Management, Cornell Tech
- (2) Julie Delay, Senior Director of Human Resources and Campus-Wide Initiatives, Cornell Tech

**Limitations:**

- The 2018 fiscal year reported a substantial drop in the average number of construction jobs from 540 jobs to 59 jobs. This is due to the completion of projects on-site for the grand opening of the campus in August 2017. Average jobs reported in 2019 and 2020 increased for the new construction of the Verizon Executive Education Center and the Graduate Roosevelt Island Hotel.
- Data on temporary jobs do not specify which number or percentage of workers were allocated towards constructing the open space.

## Appendix A

### Cornell Tech On-Site User Survey

Thank you for participating in our survey of the Cornell Tech Campus. This survey will be used to understand Cornell Tech's outdoor space usage. Responses from this survey will be included in a publication through the Landscape Architecture Foundation Case Study Investigation program. If you have any questions, please reach out to Kevin Kim, at khk54@cornell.edu.

#### DEMOGRAPHIC INFORMATION

What is your gender identity?

- Male                       Female  
 Non-Binary /Third Gender     Transgender  
 Prefer Not to Say

What is your age?

- 18-24 Years Old     25-44 Years Old  
 45-64 Years Old     65 Years Old

Are you affiliated with Cornell Tech(student, faculty, staff)?

- Yes                       No

Where do you live?

- Cornell Tech             On Roosevelt Island  
 New York City         Other

What was your primary mode of transportation to this campus?

- Walking                       Island Air Tram  
 Subway                       Bus/Metro/Shuttle  
 Ride-Hail                       Car (self driven)

#### CORNELL TECH OPEN SPACE USERSHIP

On average, how often do you spend your time at Cornell Tech's campus?

- Almost Daily             Once a Week  
 Once a month             Less than Once a Month

On average, how long is your visit(s)?

- Less than 15 mins     15-30 min  
 30 min -1 hr             More than 1 hr

Which outdoor areas on this campus do you use frequently use?(more than one occasion, select multiple)

- Outdoor Cafe Seating     Campus Housing Outdoor Seating Area  
 Grass Lawns               Waterfront Promenade (along the water)  
 Workout Stations (Along Loop Road)

Which recreation-based activities do you enjoy doing during your current visit? (prior visits, select multiple)

- Walking/Jogging         Working Out (exercise stations)  
 Exercising (yoga, stretches, etc)     Photography  
 Outdoor Gathering     Cycling  
 Other

How often do you visit Southpoint Park and the Four Freedoms State Park south of campus?

- Almost daily               Once a Week  
 Once a Month               Less than Once a Month  
 Never visited either parks

What factors are important to you in spending more time outside at Cornell Tech's campus?

Food Options (on campus and in neighborhood)

- |                 |                       |                       |                       |                       |                       |                |
|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------|
|                 | 1                     | 2                     | 3                     | 4                     | 5                     |                |
| Least Important | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Most Important |

Wi-Fi Connection/Stability

- |                 |                       |                       |                       |                       |                       |                |
|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------|
|                 | 1                     | 2                     | 3                     | 4                     | 5                     |                |
| Least Important | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Most Important |

Meeting With Others (Friends, Family, Colleagues)

- |                 |                       |                       |                       |                       |                       |                |
|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------|
|                 | 1                     | 2                     | 3                     | 4                     | 5                     |                |
| Least Important | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Most Important |

Weather (non-incliment conditions [i.e. sunny, warm])

- |                 |                       |                       |                       |                       |                       |                |
|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------|
|                 | 1                     | 2                     | 3                     | 4                     | 5                     |                |
| Least Important | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Most Important |

Outdoor Programmed Events

- |       |                       |                       |                       |                       |                       |      |
|-------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------|
|       | 1                     | 2                     | 3                     | 4                     | 5                     |      |
| Least | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Most |

If you seldom use or do not use the open space at Cornell Tech, what are your reasons? (Please check your top 2 choices)

- Not Interested in existing amenities  
 Lack of availability in current amenities (seating, tables)  
 Not feeling safe  
 Maintenance (cleanliness, puddling post-rain)  
 Not conveniently located by residence (off-campus users)  
 None of the above

Do you feel there is enough open space on this campus?

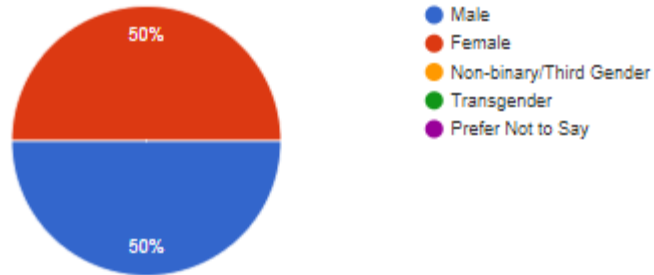
- Yes, the current size of the outdoor space is great for the campus  
 No, I believe there should be more outdoor space and amenities on the campus  
 No, I think there is too much space and more academic and housing buildings should be built.

Please provide any additional comments on the outdoor space at Cornell Tech at the back of this sheet.

## Demographic Information

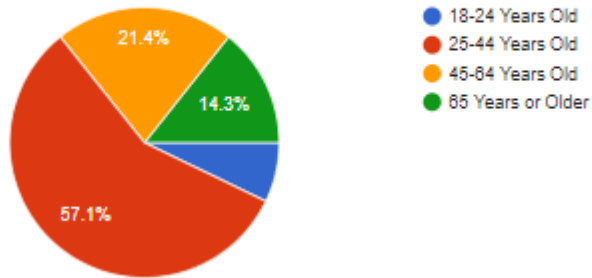
What is your gender identity?

14 responses



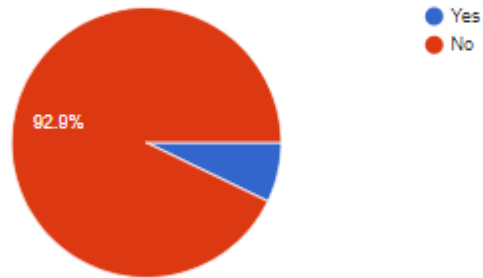
What is your age?

14 responses



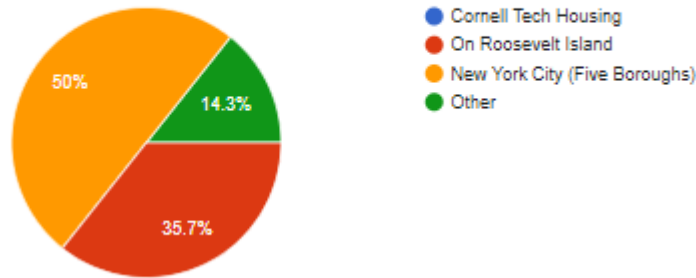
Are you affiliated with Cornell Tech (student, faculty, staff)?

14 responses



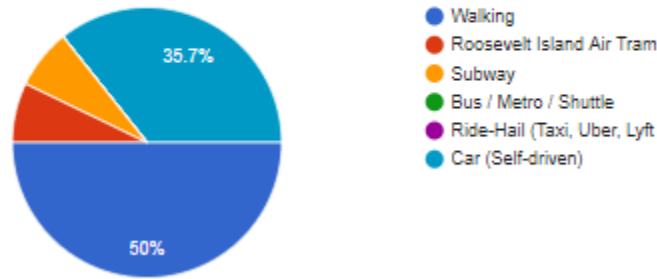
Where do you live?

14 responses



What was your primary mode of transportation to this campus?

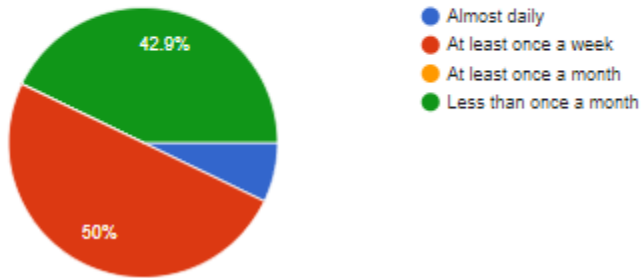
14 responses



Cornell Tech Open Space Usership

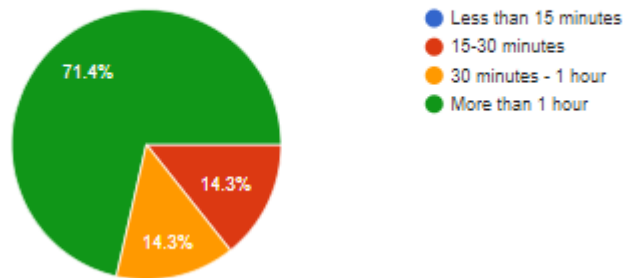
How often do you spend your time at Cornell Tech's campus?

14 responses



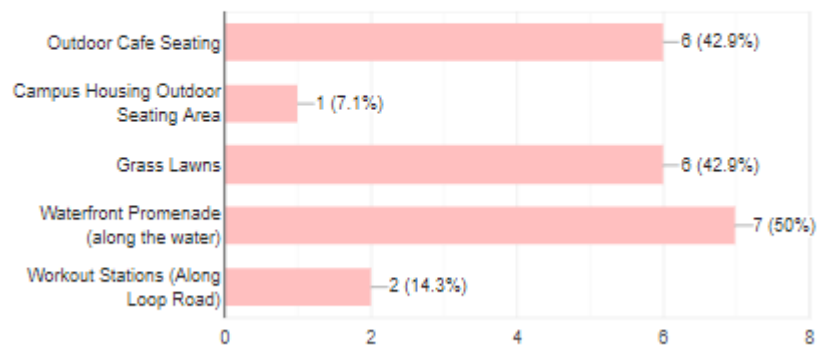
On average, how long is your visit(s)?

14 responses



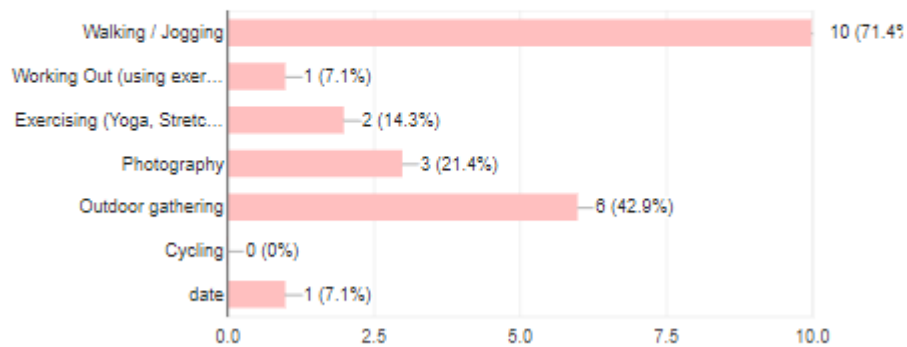
Which outdoor areas on this campus do you frequently use? (more than one occasion)

14 responses



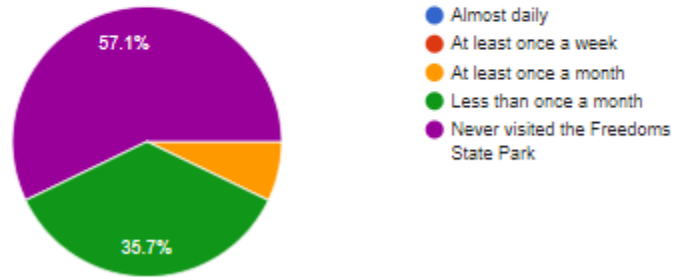
Which recreation-based activities do you enjoy doing during your current visit (prior visits, if applicable)?

14 responses



How often do you visit Southpoint Park and the Four Freedoms State Park south of campus?

14 responses

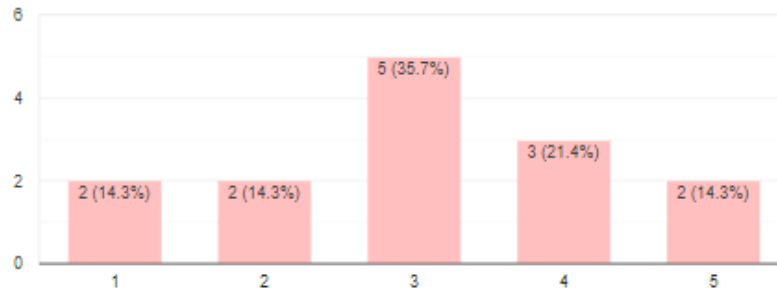


### Cornell Tech Open Space Preference

What factors are important to you in spending more time outside at Cornell Tech's campus?

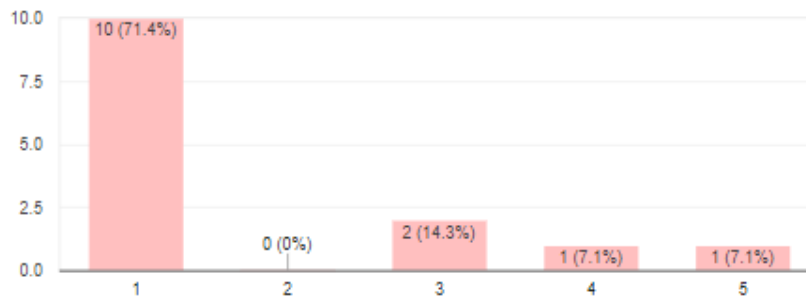
Food Options (on campus and in neighborhood)

14 responses



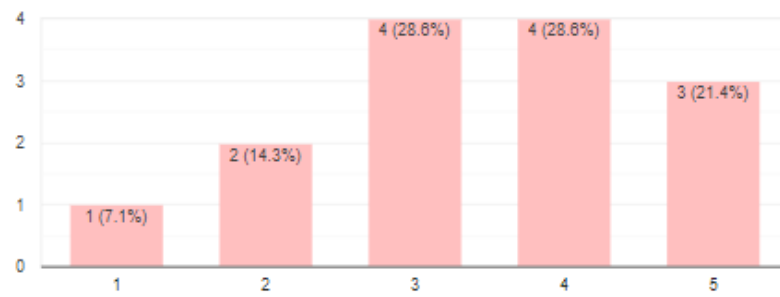
Wi-Fi Connection / Stability

14 responses



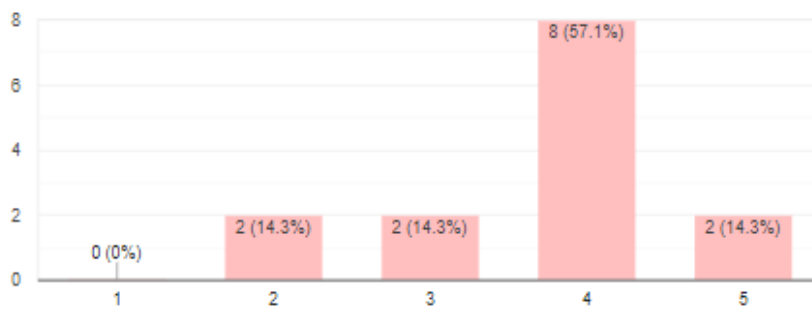
### Meeting with Others ( friends, family, colleagues)

14 responses



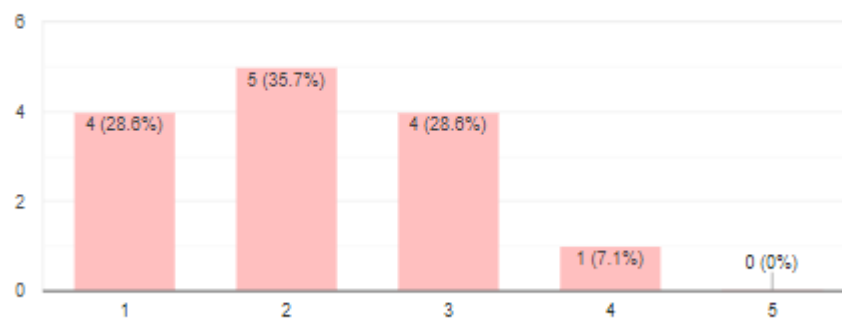
### Weather (non-inclement conditions [i.e. sunny, warm])

14 responses



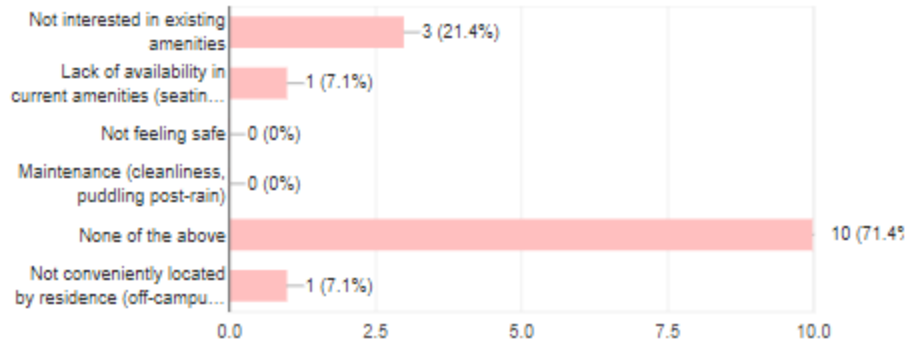
### Outdoor Programmed Events

14 responses



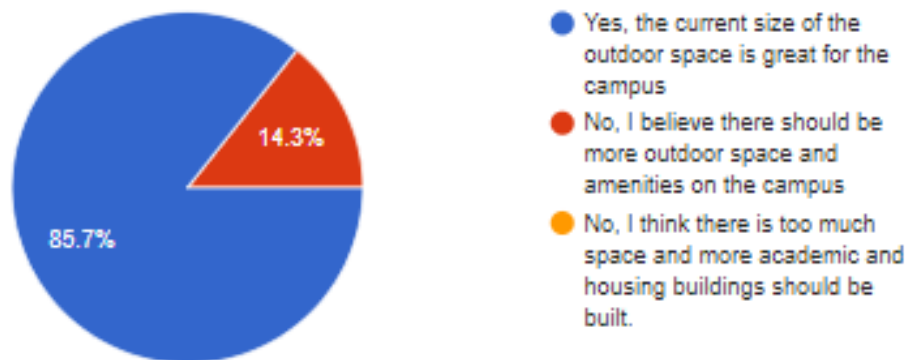
If you seldom use or do not use the open space at Cornell Tech, what are your reasons? (Please check your top 2 choices)

14 responses



Do you feel there is enough open space on this campus?

14 responses



**Results from Cornell Tech On-Site User Survey June 6th, 2021 Site Visit (14 responses\*)**

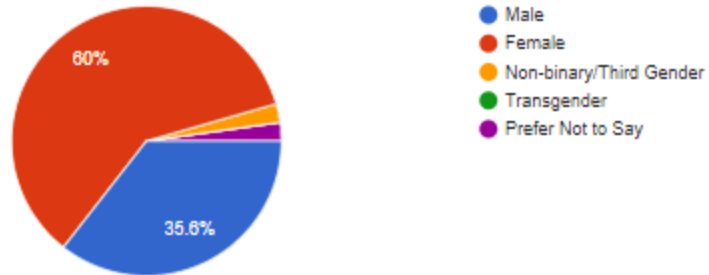
\*Responses from the site visit handouts were inserted into Google Forms for visualization purposes.



## Demographic Information

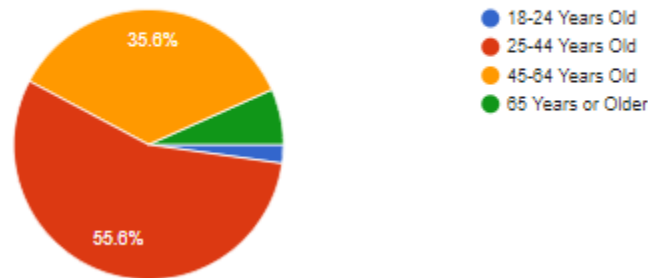
What is your gender identity?

45 responses



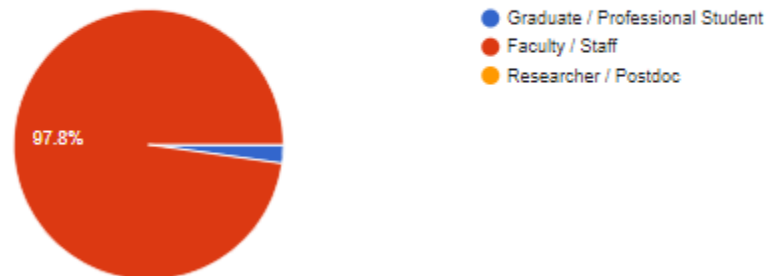
What is your age?

45 responses



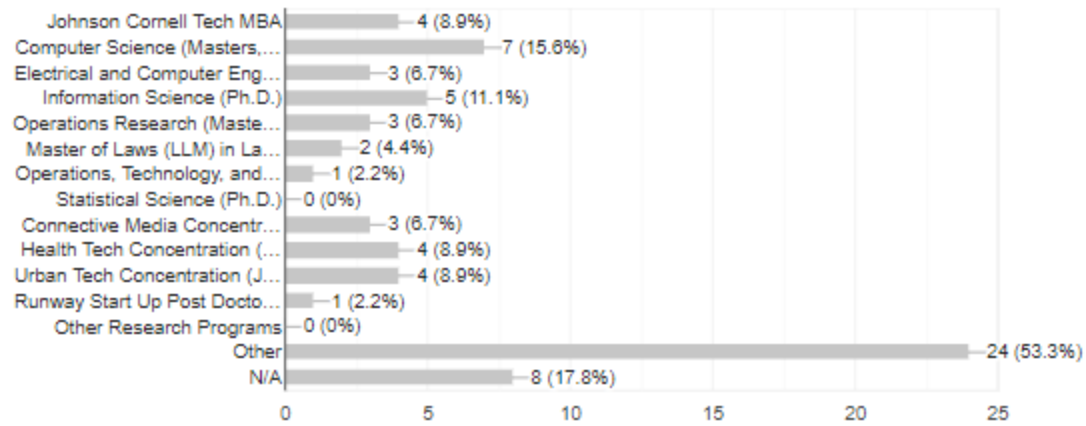
What is your status at Cornell Tech?

45 responses



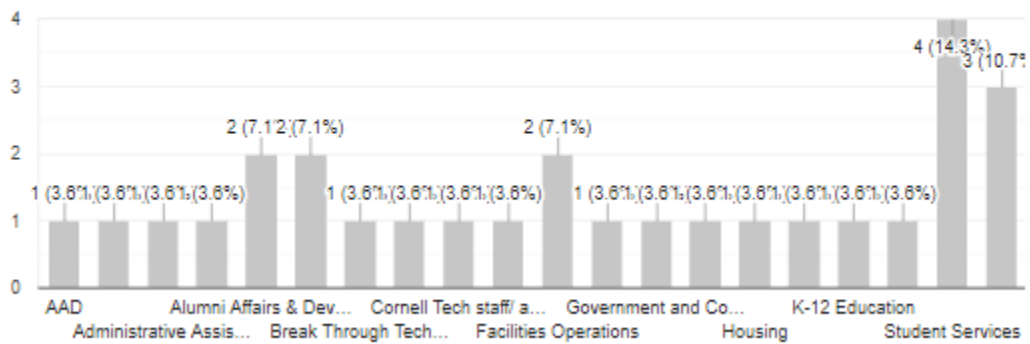
Which academic department(s) are you affiliated with (if applicable)?

45 responses



If Other, please indicate which administrative/ academic department:

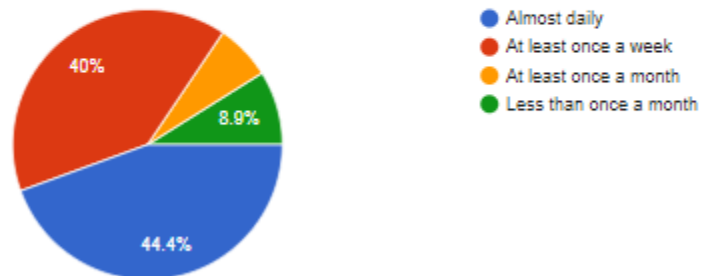
28 responses



### Cornell Tech Open Space Usership

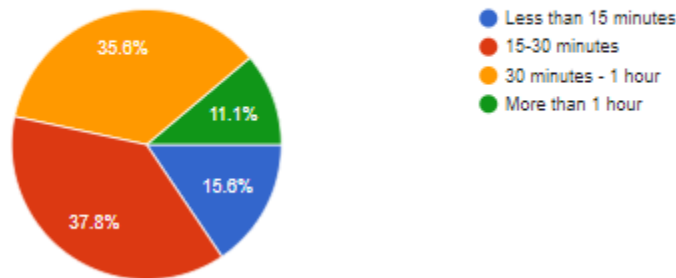
How often do you spend your time outside on Cornell Tech's campus?

45 responses



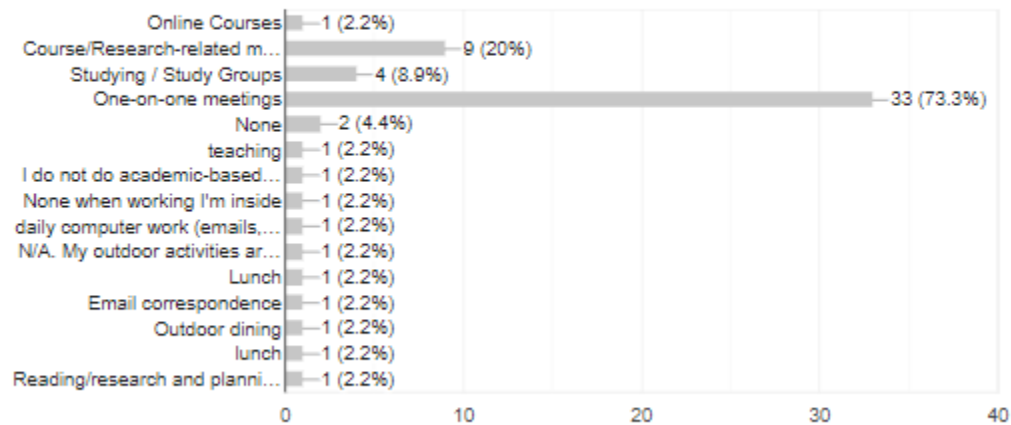
On average, how long do you spend outside?

45 responses



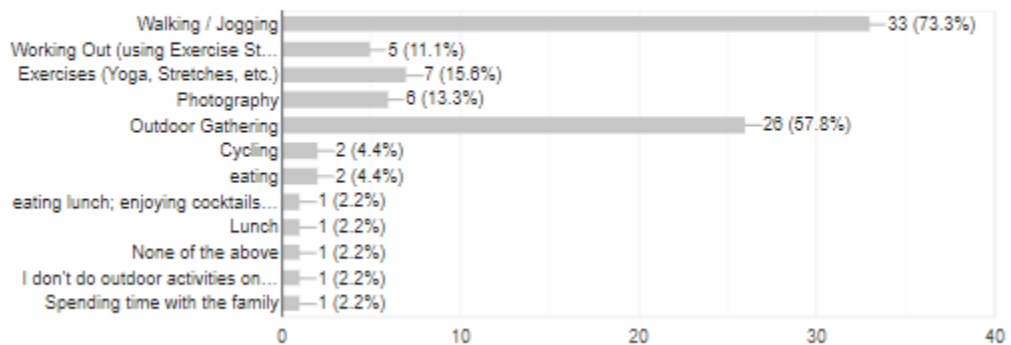
Which academic-based activities do you enjoy doing while outside?

45 responses



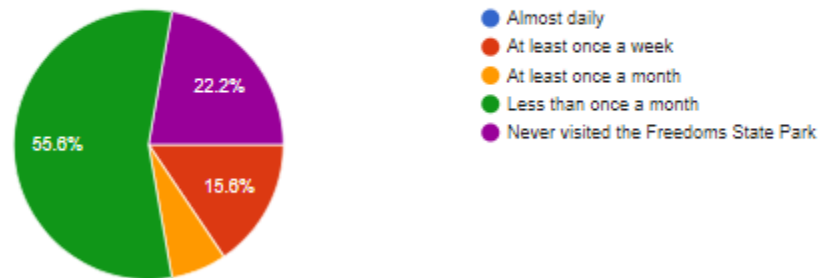
Which recreation-based activities do you enjoy doing on campus?

45 responses



How often do you visit Southpoint Park and the Four Freedoms State Park south of campus?

45 responses

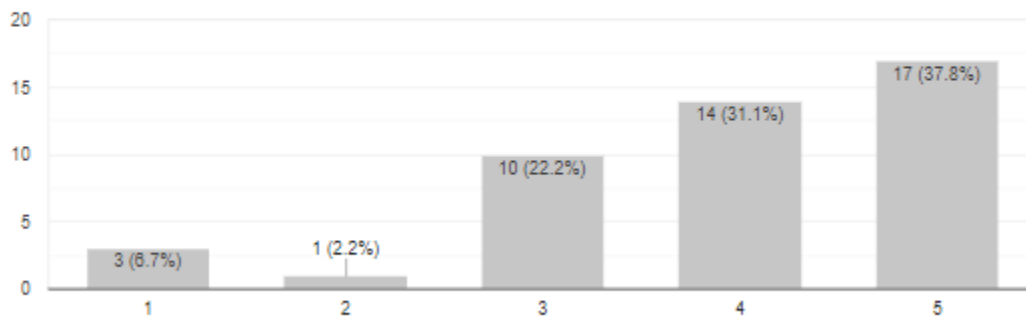


### Cornell Tech Open Space Preference

What factors are important to you in spending more time outside at Cornell Tech?

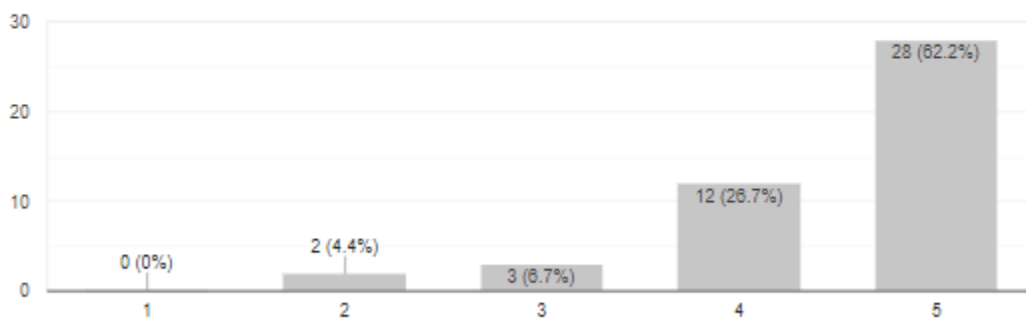
Wi-Fi Connection / Stability

45 responses



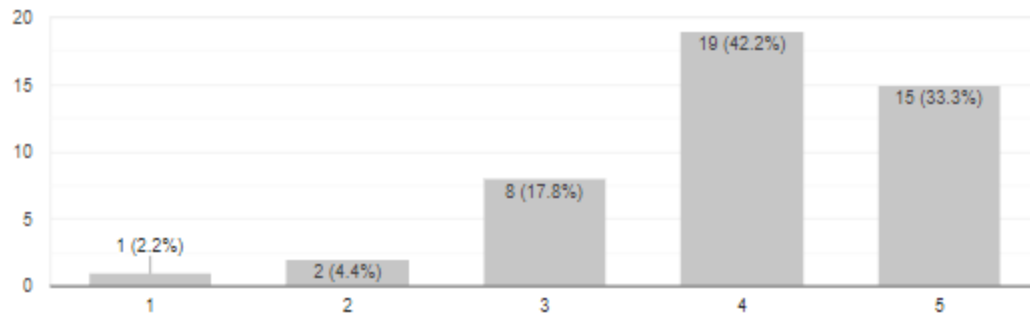
Weather (non-inclement conditions [i.e. sunny, warm])

45 responses



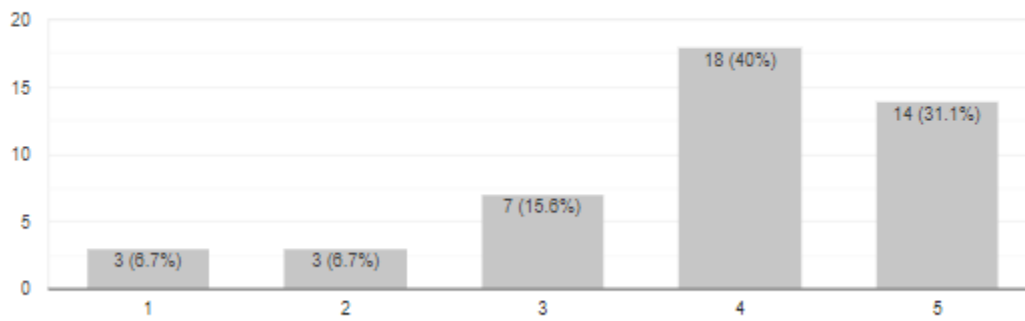
### Meeting with Others (faculty, students, friends, family)

45 responses



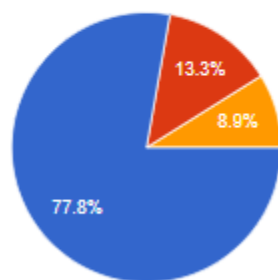
### Seating Availability

45 responses



### Do you feel there is enough open space on campus?

45 responses



- Yes, the current size of the outdoor space is great for the campus
- No, I believe there should be more outdoor space and amenities on the campus
- No, I think there is too much space and more academic and housing buildings should be built.

Please provide any additional comments on the outdoor space at Cornell Tech.

I love the variety of seating and settings

There is enough open space, but the hills could be converted into more usable space. I do think there will be a lack of outdoor space once new buildings are built

More shade/rain covered areas

There should be more shade - the center of campus is fully in the sun most of the time

It all depends on the weather. I try to spend as much time as possible using the outdoor patios during the summer (like, never visit my office) but almost never in the winter. It's too cold. Also: the \*indoor\* open space is the problematic space on campus.

A bit too inflexible, too many rules (i.e. no frisbee on lawns), not enough shade, too much concrete (not useful for anything).

I would love some more shaded areas for sitting outside. Cornell Tech table umbrellas?

I like that the community members feel free to come to Cornell Tech. That is terrific!

The outdoor space on campus is not conducive to interactions or to leisurely activities. Pin pong tables and exercise equipment are rarely used. A while back I tried to install some sports boxes with a company called Hubbster but was told it was not possible because it did not fit the architectural plan. So the space looks nice but it's idealized for something that will never happen. If you want more info you can email me [Fernando@cornell.edu](mailto:Fernando@cornell.edu)

I'm providing all of these answers as I would have pre-pandemic. I have not actually been to campus since March 2020. Also with regard to the question about whether there is enough open space - the fact that this is an island, and the specific space-related relationships between the campus and the surrounding community, mean that there isn't a lot of opportunity to expand open space.

More shaded areas to sit in will be great

Bike racks near Bloomberg Center.

I am so busy during the day that it's hard to get myself out of the zone to even think about going outside. Also, my set-up (monitor, access to printer and colleagues, standing desk, etc.) are all at my work station, so I'm habituated to just staying put. I would love to change things up and spend more time outside. We have a gorgeous campus.

N/A

Never had a problem with it always found a spot to sit

I know there are plans to eventually expand the concrete/buildings portion of the campus. I wish there was a way to keep the open space, and especially the natural space, as it helps to mitigate environmental impacts and is a huge part of what is enjoyable on campus (e.g. the hills on the southern end of campus).

**Results from Cornell Tech Student, Faculty, and Staff Online Survey (44 responses)**

## Appendix B

PHOTO ID	DATE	USER	TOTAL PHOTOS/VIDEOS	LIKES	HASHTAGS	PHOTO ELEMENTS
8272017	8/27/2017	6centsdesign	3	12	#streetfurniture #cornelltechcampus	Bench, Shade, Building Façade, Trees, Skyline, Amphitheater
9232017	9/23/2017	laurgoslin	1	27	#cornelltech #rooseveltisland #newyorkcity #newarchitecture	Bench, Shade, Building Façade
1032017	10/3/2017	tactical_relaxer	1	30	#cornell #gobigred #cornelltechcampus	Tables, building façade, trees, swale
10222017	10/22/2017	larscrawfo	1	15	#cornelltechcampus #rooseveltisland #nycarchitecture #nycbuildings #nyc #newyork	building façade
10252017	10/25/2017	williamlimcl3	1	45	#cornelltechcampus #rooseveltisland #newyorkcity #educationarchitecture #education #academic #technology #sustainability #cornelluniversity #urbanism	bench, Amphitheater, Trees, building façade, bridge
10302017	10/30/2017	paulidatta	1	71	#rooseveltisland #nyc #queensborobridge #friday when it was sunny and #autumn ☺ like. #iphone6 #iphone_only #iphoneography #nycinstagram #mobile_photography #twitter #vscoco #vscotravels #cornelltechcampus #cornelltech #cornelltech17	trees, waterfront, river, bridge
10302017b	10/30/2017	paulidatta	1	63	#rooseveltisland #nyc #queensborobridge #friday #autumn ☺. #iphone6 #iphone_only #iphoneography #nycinstagram #mobile_photography #twitter #vscoco #vscotravels #cornelltechcampus #cornelltech #cornelltech17	lawn, trees, bench, skyline
11162017	11/16/2017	monikafabijanska	4	13	#rooseveltisland #fourfreedomspark #cornelltechcampus	river, skyline, trees, lawn, building façade, tables,
122017	12/2/2017	jacs827	1	49	#rustekitchen #rooseveltisland #cornelltechcampus #familyouting	
12252017	12/25/2017	tinman6g	1	4	#rooseveltisland #nyc #cornelltechcampus	river, skyline, trees, shade
2202018	2/20/2018	jenjogson027	1	22	#rooseveltisland #metropass #nyc #newyorkcity #view #rooseveltisland #up perastside #eastriver #fourfreedomspark #northpointlighthouse #smallpoxhospital #octagon #art #historicalsociety #southpointpark #walk #strolling #arrivalview #cornelltechcampus	bridge, airtram
382018	3/8/2018	shilpakankaria	1	62	#home #nyc #instamood #sunnyday #instagood #nyc #cornelltechcampus #picoftheday #newyork #apartmentviews	river, skyline, lawn, trees, esplanade
382018b	3/8/2018	citysparrow.eats	2	8	#ilovenyc #nyc #mycitymylove #localfood #cornelltechquest #cornelltechcampus #rooseveltisland	
492018	4/9/2018	paulactabero	1	85	#thebridge #weissmanfredi #cornelltech #cornelltechcampus #cornell #rooseveltisland #manhattan #newyork #ny #nueyork #architecture #arquitectura #architecturestudent #architecturelovers #lovearchitecture #arq #archi #traveldiaries #travelgram #travel #photography #photograph #photooftheday #picoftheday #reflexion	building façade, trees, bench, tables, swale
4112018b	4/11/2018	tayebgroup	1	46	#khalilgibran #NewYorkCity #NewYorkArchitecture #ItsInQueens #realestate #unlimitednewyork #modernarchitecture #i_capture_nyc #architecturephotography #nyprimeshot #greenarchitecture #morphosisarchitects #morphosisarchitecture #thommayne #rooseveltisland #cornelltech #cornelltechcampus #netzero #netzerobuilding #nyc #newyorkbuildings #nycarchitecture #quoteoftheday #queenscounty #newyorkstateofmind #rooseveltisland #sulcollection #pcw #pcwcornell #pcwvsymposium2018	building façade
4142018	4/14/2018	old_sulu_collection	1	27	#rooseveltisland #bloomberg #bloombergcenter #cornell	
4262018	4/26/2018	darlingdiana	1	29	#cornelluniversity #cornelltech #cornelltechcampus #cornelltechcampus #openhouse	building façade, tables, bench, trees, turf, skyline, bridge
45192018	5/19/2018	saharcreativephotography	1	84	#cornelltech #cornelltechcampus #cornelluniversity #rooseveltisland #engineering #iphonex #architecture #architecturephotography #queensborobridge #edkochqueensborobridge #nature #saharcreativephotography #what_i_saw_in_nyc #unlimitednewyork #nature_shooters #naturephotography #nbc4ny #abc7ny #nyc #moodygrams #iphonex #iphonephotography #nature #primeshot #capture_nyc #colorofnyc #beautifuldestinations #worldbestgram #newyork_instagram #ig_photooftheday #longislandcity #campus #newyorkcity #manhattanarchitecture #nyphotographer #nyarchitecture #nycexplorer #architecturephotography #architecturelovers #nycarchitecture #manhattanphotographer #manhattanyc #nyc #cornelltech #cornelltechcampus #rooseveltisland #rooseveltislandnyc #morphosisarchitects #nyc skyline #clouds ☺	lawn, trees, building façade, bridge, skyline
5202018	5/20/2018	ferg104	1	46	#ParkTrip2018 #rooseveltisland #rooseveltislandnyc #smallpoxhospital #streckerlaboratory #streckermemoriallaboratory #cornelltech #cornelltechcampus	trees, building façade, skyline, lawn
5232018	5/23/2018	parkgrams	5	10	#cornelltechcampus #rooseveltisland #longgrass	lawn, sculpture, esplanade, trees, skyline, building façade, plant
6162018	6/16/2018	zii1028	1	16	#constructionsite #cornelltechcampus #contemplativephotography #mksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_in_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimeshot #simplicity_art #streetphotography #the_avantgardian #urbanphotography	lawn, trees, skyline
6242018	6/24/2018	robertvizziniphoto	1	21	#constructionsite #cornelltechcampus #contemplativephotography #mksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_in_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimeshot #simplicity_art #streetphotography #the_avantgardian #urbanphotography	building façade, construction
62452018	6/25/2018	robertvizziniphoto	1	22	#constructionsite #cornelltechcampus #contemplativephotography #mksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_in_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimeshot #simplicity_art #streetphotography #the_avantgardian #urbanphotography	building façade, construction
6252018b	6/25/2018	robertvizziniphoto	1	33	#constructionsite #cornelltechcampus #contemplativephotography #mksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_in_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimeshot #simplicity_art #streetphotography #the_avantgardian #urbanphotography	building façade, trees
6252018c	6/25/2018	robertvizziniphoto	1	21	#constructionsite #cornelltechcampus #contemplativephotography #mksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_in_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimeshot #simplicity_art #streetphotography #the_avantgardian #urbanphotography	building façade, trees





6272018	6/27/2018	robertvizziniphoto	1	24	#constructionsite #cornelltechcampus #contemplativephotography #miksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_i n_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimesh ot #simplicity_art #streetphotography #the_avantgardian #urbanphotogra phy	lawn
6272018b	6/27/2018	robertvizziniphoto	1	32	#constructionsite #cornelltechcampus #contemplativephotography #miksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_i n_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimesh ot #simplicity_art #streetphotography #the_avantgardian #urbanphotogra phy	lawn, plant, building façade
272018c	6/27/2018	robertvizziniphoto	1	19	#constructionsite #cornelltechcampus #contemplativephotography #miksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_i n_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimesh ot #simplicity_art #streetphotography #the_avantgardian #urbanphotogra phy	plant
6272018d	6/27/2018	robertvizziniphoto	1	21	#constructionsite #cornelltechcampus #contemplativephotography #miksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_i n_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimesh ot #simplicity_art #streetphotography #the_avantgardian #urbanphotogra phy	lawn, plant
6272018e	6/27/2018	robertvizziniphoto	1	19	#constructionsite #cornelltechcampus #contemplativephotography #miksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_i n_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimesh ot #simplicity_art #streetphotography #the_avantgardian #urbanphotogra phy	plant
6272018f	6/27/2018	robertvizziniphoto	1	26	#constructionsite #cornelltechcampus #contemplativephotography #miksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_i n_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimesh ot #simplicity_art #streetphotography #the_avantgardian #urbanphotogra phy	lawn, animal
6272018g	6/27/2018	robertvizziniphoto	1	35	#constructionsite #cornelltechcampus #contemplativephotography #miksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_i n_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimesh ot #simplicity_art #streetphotography #the_avantgardian #urbanphotogra phy	trees, esplanade, lawn, skyline, bench
722018	7/2/2018	robertvizziniphoto	1	35	#constructionsite #cornelltechcampus #contemplativephotography #miksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_i n_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimesh ot #simplicity_art #streetphotography #the_avantgardian #urbanphotogra phy	building façade, lawn
722018b	7/2/2018	robertvizziniphoto	1	47	#constructionsite #cornelltechcampus #contemplativephotography #miksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_i n_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimesh ot #simplicity_art #streetphotography #the_avantgardian #urbanphotogra phy	building façade
722018c	7/2/2018	robertvizziniphoto	1	27	#constructionsite #cornelltechcampus #contemplativephotography #miksa ng #mindfulphoto #FlakPhoto #lensculture #documentary #explore_nyc #fs topmagazine #igers #imagesofNYC #instagramnyc #ig_minimalist #Made_i n_NY #minimalism #minimalist #minimalexperience #nyprime #nycprimesh ot #simplicity_art #streetphotography #the_avantgardian #urbanphotogra phy	building facade
7102018	7/10/2018	cynthiavaiden	1	20	#rooseveltisland #nyc_ferry #cornelltechcampus #goldenhour #nycferry #queensborobridge	building façade, river, trees
7182018	7/18/2018	zagadagatech	1	64	#researchbits #makergirl #phdlife #nyc #broadcity #cornell #cornelluniversity #cornelltech #cornelltechcampus #nyc #rooseveltisland #newyorkcity #newyork #desksgoals #desksview #phdlife #phdstudent #scholar #womenintech #womeninrobotics #tech #womenempowerment #desk #nycskyline #itsnicethat	skyline, trees, river
872018	8/7/2018	i_unnati	1	63	#TheBloombergCenter #NetZeroEnergyBuilding #GoldBlackDiscs #Perforate dSkin #Facade #CornellTechCampus #RooseveltIsland #LookUp #Architecture #ThomMayne #Morphosis #NewYorkCity	trees, building façade, street lamp
8202018	8/20/2018	james_mary_oconnor_architect	1	35	#cornelltechcampus #rooseveltisland #newyorkbridges #queensborobridge	lawn, bridge, trees
8212018	8/21/2018	james_mary_oconnor_architect	6	44	#cornelltechcampus #rooseveltisland #jamescorner #weissmanfredi #morphosis #campus #@arupamericas	building façade, bridge, trees, swale, bench, amphitheater
962018	9/6/2018	smartroofssolar	1	65	#cornelltech #cornelltechcampus #cleanenergy #renewableenergy #greene nergy #solar #solarenergy #solarpower #solarpanels #gosolar #solarpowere d #solarinstallation #solarpanelinstallation #rooftopsolar #solarroof #savet heplanet #savetheearth #saveourplanet #saveourearth #gogreen	skyline, river, aerial
962018b	9/6/2018	xy_pxr	1	28	#bloombergcenter #cornell #cornelltechcampus #cornelltech #cornell #morphosisarchitects #morphosis #thommayne #rooseveltisland #newyork #nyc #architecture	trees, lawn, bench, building façade
9152018	9/15/2018	xy_pxr	1	7	#cornelltechcampus #cornell #cornelluniversity #tata	lawn, building façade, trees, swale, bench
9222018	9/22/2018	johannaoriel	1	18	#tatainnovationcenter #weissmanfredi #rooseveltisland #roosevelt #cornelltechcampus #eTR #businessstrip	bridge, esplanade, river, skyline
9222018b	9/22/2018	45squarefeet	4	32	#thingsyouseeonabikeride #rooseveltisland #cornelltechcampus #smallpox hospital #59thstreetbridge #nyc #newyorkcity #firstdayoffal	building façade, bridge, lawn, plant, skyline,
1062018	10/6/2018	yuxuan_n	1	25	#rooseveltisland #cornelltechcampus #fieldtrip	lawn, bridge, skyline
10172018	10/17/2018	siyucelia	1	41	#cornelltech #cornelltechcampus #rooseveltisland #sky	building façade
10252018	10/25/2018	neta_tamir	1	40	#sunset #cornelltech #cornelltechcampus #campus #rooseveltisland #nyc # newyorkcity #tatacenter #bloombergbuilding #academia #phdlife #beautiful #nofilter	trees, building façade, bench, swale

10262018	10/26/2018	wendyrah	1	51	#cornell #cornelltech #cornelltechcampus #fall #rooseveltisland #manhattan #view #infosession #campus #campustour	trees, lawn, tables, street lamp, esplanade, river, skyline
10282018	10/28/2018	emarkoff	1	38	#cornelltechcampus	building façade
10312018	10/31/2018	neta_tamir	1	84	#cornelltech #cornelltechcampus #cornell #cornelluniversity #rooseveltisland #nyc #newyorkcity #tatinnovationcenter #myworkplace #bloombergbuilding #academia	amphitheater, lawn, trees, tables, bench, skyline, river
1192018	11/9/2018	neta_tamir	4	40	#cornelltech #bloombergcenter #cornelltechcampus #campus #rooseveltisland #nyc #newyorkcity #academia #tech #manhattan #cornelluniversity #art #history #myworkplace #urbanbeauty #urbannature #phdlife #cscw2018 #conference	building facade, tables, trees, skyline,
11112018	11/11/2018	_fil_berlin	1	29	#rooseveltisland #cornelltech #cornelltechcampus #edkochqueensborobridge #newyork #newyorkcity #saturdaymorning	lawn, trees, building façade, bridge
11112018b	11/11/2018	followthesunholmes	1	47	#cornelltechcampus #cornelltechcenter #cornelltechconstruction #university #architecture #reflection #contemporary #rooseveltisland #nyc #rooseveltislandnyc #rooseveltislandviews #newyork #photooftheday #photography #colorphotography #urban #urbancenery #architecturelovers #instapic #instaphoto #technology #engineering #tech #innovation #manhattan	building façade, trees
11142018	11/14/2018	wendyrah	1	2	#cornelltech #visitcornelltech #cornelltechcampus #rooseveltisland #nyc #commute #commuterlife #tram #nycatnight #timelapse	airtram, skyline
1262018	12/6/2018	hanakasse.ny	2	24	#cornelltechcampus #dotpatterns	building façade
12112018	12/11/2018	citibikewalkat	10	148	#rooseveltislandtram #manhattanskyline #queensborobridge #fdmemorial #smallpoxhospital #theruins #fourfreedomspark #cornelltechcampus #rollinghills	lawn, building façade, bridge, esplanade, skyline, airtram
12192018	12/19/2018	themirandagardiner	1	101	#newyork #explorenewyork #rooseveltisland #cornelltech #cornelltechcampus #sunset #clouds #passivehouse	lawn, trees, river, skyline
12192018b	12/19/2018	neta_tamir	2	62	#historyinthemaking #anniversary #celebration #cornelltech #cornelltechcampus #bloombergbuilding #rooseveltisland #nyc #newyorkcity #myworkplace #academia #phdlife #phd #tech #manhattanskyline #manhattan #cornelluniversity #bestview #cake	river, skyline, trees, esplanade
142019	1/4/2019	jacsoera	2	11	#cornelltech #cornelltechcampus #rooseveltisland #newyorkcity #manhattan	lawn, trees, building façade, statue
212019	2/1/2019	neta_tamir	1	70	#winter #sunset #colors 🌨️💖🌸 #winterwonderland #winterisere #snow #magical #city #cornelltech #cornelltechcampus #campus #eastriver #rooseveltisland #nyc #newyorkcity #bloombergcenter #myworkplace #bestview #bloombergbuilding #academia #phdlife #beautiful #phd #tech #manhattanskyline #manhattan #cornelluniversity #urbanbeauty	esplanade, bench, trees, river, skyline
212019b	2/1/2019	jacsoera	1	21	#winter #sunset #colors 🌨️💖🌸 #winterwonderland #winterisere #snow #magical #city #cornelltech #cornelltechcampus #campus #eastriver #rooseveltisland #nyc #newyorkcity #bloombergcenter #myworkplace #bestview #bloombergbuilding #academia #phdlife #beautiful #phd #tech #manhattanskyline #manhattan #cornelluniversity #urbanbeauty	building façade, skyline, trees
2252019	2/25/2019	fieldoperations	1	1748	#cornelltechcampus #ulinyards #fieldoperations #jamescornerfieldoperations #landscapearchitecture #landscapeurbanism #urbanism #urbancampus #campusplan #masterplan #openspace #sustainability #cornelltech #rooseveltisland #institutionaldevelopment #fourfreedomspark #springiscoming #cornelltech #cornelltechcampus #campus #eastriver #rooseveltisland #nyc #newyorkcity #myworkplace #bestview #academia #phdlife #beautiful #phd #tech #manhattanskyline #manhattan #cornelluniversity #urbanbeauty #loveyourcity #timeoutnewyork	swale, trees, tables, bench, lawn, building façade
3152019	3/15/2019	neta_tamir	1	48	#sunset #afternoonsun #beautiful #winter #magical #cornelltech #myworkplace #gradschool #work #cornelltechcampus #bloombergcenter #bloombergbuilding #campus #cornelluniversity #eastriver #rooseveltisland #nyc #city #newyorkcity #myworkplace #bestview #academia #phdlife #phd #tech #manhattanskyline #manhattan #urbanbeauty #newyorkcity #manhattan #urbanbeauty #loveyourcity #timeoutnewyork	lawn, trees, skyline
3262019	3/26/2019	neta_tamir	1	64	#carolphotos #rooseveltisland #🌸 #cherryblossomfestival #fourfreedomspark #cherryblossom #hanami #sakura #springisere #springassprung #nycgo #cornelltech #cornelltechcampus	amphitheater, lawn, bench, trees, skyline, building façade, river
4162019	4/16/2019	carolquon	1	54	#cornelltech #cornelltechcampus #cornell #rooseveltisland #academic #venue #cherryblossom #queensborobridge #spring #wood #metal #grass #landscape #capture_nyc #newyorkcityskyline #humansofnewyork #eastriver #manhattan #nyc #lovenewyork	swale, trees, building façade, skyline, river
4272019	4/27/2019	maratheaniket	1	61	#cornelltech #cornelltechcampus	trees, bench, skyline, bridge
4282019	4/28/2019	miyan6554	1	32	#rooseveltisland #cornelluniversity #cornelltechcampus #lucacappelli	amphitheater, building façade
542019	5/4/2019	enza_tolla	1	56	#rooseveltisland #cornelluniversity #cornelltechcampus #lucacappelli	lawn, street lamp, river, esplanade, skyline
562019	5/6/2019	byrynhatezpeople	3	34	#nyc #skyglow #sunset #dusk #bluehour #cornelltechcampus #landscapephotography #sonyalpha #alphacollective #bealpha #reflections #reflectinglight #nycprimeshots #moodygrams #what_i_saw_in_nyc #capture_nyc #onlinenewyork #igers_nyc #ig_nycity #nydotgram	building façade, swale, bench, trees, skyline
692019	6/9/2019	flo_shot	1	20	#nature #hiker #shotoniphone #flowerporn #nyc #spikes #picoftheday #rooseveltisland #cornelltechcampus #landscape #jamescornerfieldoperations #purple #blossom #newyork	plant
6212019	6/21/2019	kinley_khalingpa	1	5	#rooseveltisland #cornelltechcampus	lawn, trees, skyline
6252019	6/25/2019	nycitylife_ig	1	42	#cornelltech #cornelltechcampus #rooseveltisland #newyorkcity #nyc #love nyc #blackandwhitephotography #colorsplash #streetphotography #blue #sky	building façade
6282019	6/28/2019	oztstudio	1	10	#cornelltechcampus	building façade
722019	7/2/2019	tonymcateer1	1	17	#gleedsglobal #gleedspolska #gleedsegypt #gleedsoha #skidmorewingsmerill #morphosisarchitects	pavement pattern, bench, trees, amphitheater, building façade, skyline
7302019	7/30/2019	citylumber	1	40	#GraduateHotel #Cornell #CornellTechCampus #Rooseveltisland #NYC #Snohetta #TheGraduateHotel #CityLumber #PrinceCarpentry	construction, skyline
8222019	8/22/2019	citylumber	1	28	#GraduateHotel #Cornell #CornellTechCampus #Construction #NYC #Rooseveltisland #NewConstruction	building façade, skyline
942019	9/4/2019	nativeplantjourney	5	12	#cornelltechcampus #cornelltech #fieldoperations #jamescornerfieldoperations #nativeplants #nycplants #nativeplant #landscapearchitect #urbanlandscape #gardendesigner #citygarden	plant, esplanade, swale
9152019	9/15/2019	mizk_spacial	1	14	#cornelltechcampus #jamescorner #jamescornerfieldoperations	amphitheater, tables, trees, lawn, skyline
9272019	9/27/2019	raylutzy	1	96	#cornelltechcampus #nycityworld #nycphotographer #campus #manhattan #unitednations #leavingnyc #movingtolosangeles #newyork #newyorkcity	esplanade, bench, trees, river, skyline
10132019	10/13/2019	lindafntp	1	14	#cornelltechcampus #september2019ntastudent	amphitheater, trees, lawn, skyline
10142019	10/14/2019	yuweweieii	1	21	#rooseveltisland #cornelltechcampus	lawn, trees, river, skyline
10192019	10/19/2019	jesusmariagomezsalinero	1	23	#rooseveltisland #sonya7rii #sony #night #nyc #nycnightlife #cornelluniversity #wellcornellmedicine #cornelltech #cornelltechcampus	building façade, amphitheater, bench, skyline
1162019	11/6/2019	fcjhnewyork01	1	25	#newyorkarchitecture #rooseveltisland #cornelltechcampus #pictures_of_newyork #architecturecandy	building façade, amphitheater, bench, trees
1172019	11/7/2019	fcjhnewyork01	1	11	#tatinnovationcenter #cornelltechcampus #rooseveltisland	building façade, trees

11162019	11/16/2019	jaimebastos	1	31	#photography #architecturephotography #architecture #bridge #streetphotography #architectural #rooseveltisland #cornelltech #cornelltechcampus #edkochqueensborobridge #edkochbridge #queens	bridge, skyline
1222019	12/2/2019	michael.lee.pics.nyc	7	25	#newyork #rooseveltisland #eastriver #cornelltechcampus #tatainnovationcenter #queensborobridge #bridge #suttonplace #sutton58 #midtown #midowneast #chryslerbuilding #onevanderbilt #unitednations #turkevi #turkishconsulate #construction #architecture #cityscape #skyline #skyscraper	lawn, trees, bench, building façade, bridge, river, skyline
1282019	12/8/2019	michael.lee.pics.nyc	6	33	#newyork #rooseveltisland #sunset #night #nightportrait #twilight #dusk #bluehour #eastriver #lic #longislandcity #astoria #queens #midtown #architecture #cityscape #skyline #skyscraper #chryslerbuilding #onevanderbilt #cornelltechcampus	river, skyline, lawn, trees, esplanade, bench, street lamp, pavement pattern
1122020	1/12/2020	bkbigpoo	10	17	#rooseveltisland #cornelltechcampus	bridge, river, skyline, airtram, building façade, esplanade, bench
2182020	2/18/2020	fjhnnewyork01	1	23	#pictures_of_newyork #cornelltechcampus #cornelltech	building façade, bridge, trees, lawn
4192020	4/19/2020	lizapams	1	8	#cornelltechcampus	building façade, trees, swale
4272020	4/27/2020	twinpeakstesting	1	13	#cornelltechcampus #bloombergcenter #NetZeroEnergy #GreenConstruction #buildings #skyscraper #twinpeakstesting #construction #SpecialInspectionsAgency #twinpeaks #twinpeakstesting #twinpeaksnyc #specialinspections #inspections #welding #steel #engineering #services #concrete #masonry #ndt #structuralengineering #generalcontractors #concretetesting	building façade, trees, bench
532020	5/3/2020	supsup0627	7	19	#nyc #saturday #sunnyday ☀️ #rooseveltisland across the midtown #CornellTechcampus	building façade, lawn, trees, bench, esplanade, river, skyline, bridge
572020	5/7/2020	astorian_tony	6	5	#cornelltechcampus #abandoned #smallpoxhospital #rooseveltisland	building façade, trees, street lamp, pavement pattern
5222020	5/22/2020	jnarun	1	20	#cornelltechcampus #rooseveltisland #queensborobridge	building façade, bridge
5222020b	5/22/2020	jnarun	1	9	#cornelltechcampus #rooseveltisland #wideanglelens	building façade, trees, shade
5222020c	5/22/2020	jnarun	1	20	#architecturaldetail #cornelltechcampus #rooseveltisland	building facade, tables, trees, skyline,
642020	6/4/2020	halima411	3	26	#cornelltechcampus #fastwifi	trees, bench, skyline, bridge, tables, swale
6142020	6/14/2020	lizaspams	1	9	#cornelltech #cornelltechcampus #rooseveltisland #myhood #shotoftheday	building façade, pavement pattern, bridge, skyline, trees
6142020	6/14/2020	lizaspams	1	9	#cornelltech #cornelltechcampus #rooseveltisland #myhood #shotoftheday #newyork #newyorkcity #eastriver #queensborobridge #rooseveltisland #panorama #cornelltechcampus #architecture #cityscape #skyline #urban #urbanphotography #urbanlandscape #sonyalph #sony	building façade, pavement pattern, bridge, skyline, trees
6212020	6/21/2020	michael.lee.pics.nyc	3	11	#rooseveltisland #fourfreedomspark #cornelltechcampus #southpointpark #serenity #urban oasis #eastriver	skyline, river, bridge
962020	9/6/2020	lina.morales91	10	16	#rooseveltisland #fourfreedomspark #cornelltechcampus #southpointpark #serenity #urban oasis #eastriver	esplanade, bridge, river, skyline, trees, lawn, amphitheater
9112020	9/11/2020	jaimebastos	1	15	#nyc #newyork #photography #architecturephotography #architecture #streetphotography #architectural #rooseveltisland #cornelltech #cornelltechcampus #university #universitycampus #businessschool #school #technology #cornelltechcampus #louis Kahn #FDR #fourfreedomspark #architecture #design #landscape #copperbeech #littleleafinden #trees #NYC #icecoffee #rooseveltisland #nyc #springishere #outdoor dining #cornelltechcampus	building façade, bench, swale, trees
9192020	9/19/2020	ciwunlimited	4	41	#icecoffee #rooseveltisland #nyc #springishere #outdoor dining #cornelltechcampus	building façade, swale, trees, esplanade
3202021	3/20/2021	theroomny	1	7	#icecoffee #rooseveltisland #nyc #springishere #outdoor dining #cornelltechcampus	tables, trees, building façade
442021	4/4/2021	nomadlife_34	2	202	#cornelluniversity #cornelltech #tatainnovationcenter #tcs #tataconsultancy #services #eastriver #rockefelleruniversity #triinstitution #cornellchronicle #cornelltechcampus #nycblogger #nycnews #springiscoming #colorsintheir #thumbefikar #awara #nomadlife #leisure #discover #explore #instagram #indiaabroad #indianentrepreneur #urbanbikeadventure #bikingincities #59thstreetbridge #longislandcity #ravenouswoodpowerplant #thorthorsurbanexplorer #fourfreedomspark #rooseveltisland #cornelltechcampus #lighthouseparkrooseveltisland	amphitheater, bench, building façade
452021	4/5/2021	thorthors1	6	77	#rooseveltislandtram #rooseveltislandcherryblossoms #rooseveltislandlighthouse #churchofthegoodshepherdrooseveltisland @cornelltechcampus	esplanade, cycling, river, skyline, airtram, building façade, lawn, bridge
4202021	4/20/2021	jeanne.bosse	9	21	#rooseveltislandlighthouse #churchofthegoodshepherdrooseveltisland @cornelltechcampus	trees, plant, river, esplanade, skyline, airtram

### #cornelltechcampus posts with categorized photo elements.