Jackson Hannah

2025 Portfolio

Bio

I have a passion for all things transit. Growing up outside of DC, I would spend my days riding the Metro, eventually visiting every station. As I grew older, I discovered the other aspects of planning and have been hooked ever since. This passion led me to the University of Cincinnati, where I continue to gain invaluable knowledge both in classes and on Co-op. As I look to the future, I hope to continue to grow, refining skills, helping people, and making cities a better place.

Resume

Contact

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hannahjn@mail.uc.edu
703 Riddle Rd, Cincinnati OH, 45220

Education

University of Cincinnati, Cincinnati, OH
Bachelor of Urban Planning, Class of 2028

West Potomac High School, Alexandria, VA
Advanced Diploma, 2023

Awards & Activities

Eagle Scout, 2023
Scouts BSA

Varsity Cross Country, 2019-2023
West Potomac High School

Programs

Adobe, Illustrator, Indesign, Photoshop
Rendering, Rhino 3D, Sketchup, Twinmotion
GIS, ArcGIS Pro, QGIS
Design, AutoCAD, Inventor
Microsoft Office Suite

Experience

City of Kettering, Spring 2025
Planning & Development Co-op
-Completed site concept rendering to be used in highlighting the potential of vacant lots to developers and city officials within code.
-Created graphics for multiple community development programs.
-Used Excel and GIS data to analyze property value trends for the creation of a TIF district.
-Inspected and Enforced a limited array of property code violations.

Van Leeuweens Ice Cream, Summer 2025
Seasonal Scooper
-Used teamwork and customer service skills to efficiently serve customers while creating a welcoming and memorable atmosphere.
-Completed backroom functions including cleaning.

Village Hardware, Spring 2022-Summer 2023
Sales Assosiate
-Gained valuable customer service and work experience, including advising customers, loading cars, working the register, and many other functions to ensure smooth operations.

Scouts BSA, 2017-2023
Leadership & Community Service
-Practiced leadership, coordinating the return to in-person meetings and events post-COVID as troop youth leader.
-Planned, coordinated, and participated in several service projects.
-Successfully planned and executed Eagle Service Project to attain the prestigious rank.

Table of Contents

Kettering

Planning Co-op

Spring 2025

City of Kettering
2025 Co-op

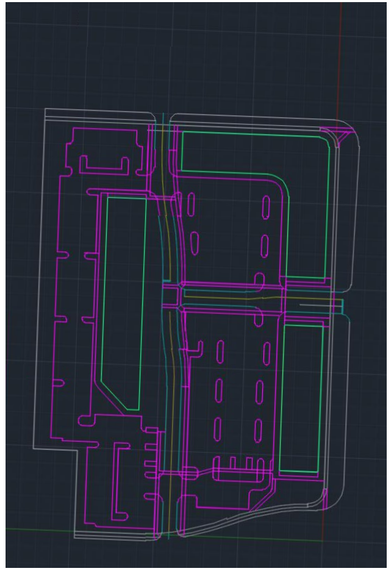
For my first Co-op, I worked at the City of Kettering, a first-ring suburb just south of Dayton, OH. The city is primarily built out, with only a few acres of vacant land for further expansion. The city is keen to expand its housing stock and create a vibrant town center to complement its large network of public spaces and trails. My role primarily entailed the creation of renderings of concepts for underutilized or vacant parcels to be shown to developers, showing what was possible within the current zoning code. Not seen in this portfolio, I gained experience both researching and enforcing the municipal property maintenance code. In addition, using GIS and Excel, I analyzed property value trends in the city for the creation of a TIF district, as well as mapping city-owned parcels. I also completed several smaller research projects, gaining experience in both professional communication and research.

Large Scale Site Planning

As mentioned above, my primary role was creating conceptual plans for underutilized sites around the city, within the zoning code. These projects helped me gain invaluable practice in a few different areas, including working with the zoning code, designing a site to serve specific goals or interests, and finally using rendering and drawing software. The first site concept, unrendered, is to the right, created for a city developer and used in the conversations for a future large infill development behind a shopping center.

Creative Process

1 Layout
AutoCad



2 Extrude & Detail
Sketchup

3 Render
Twinmotion

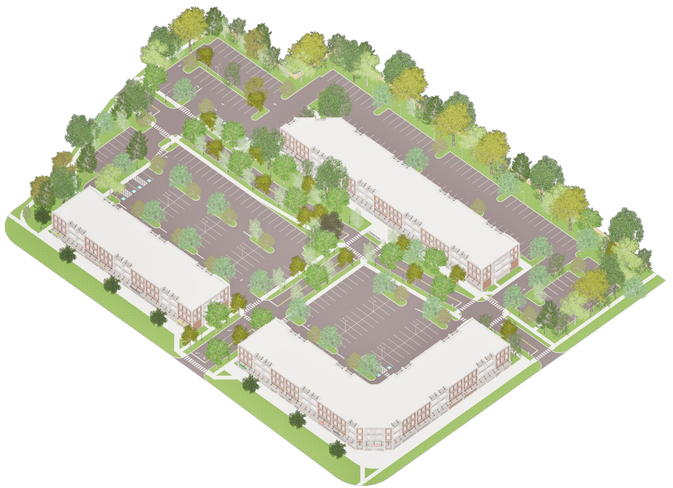
During my Co-op, I created a process to effectively use three programs when creating site plans. Using this workflow, I was able to create detailed renderings relatively efficiently while staying true to the site dimensions and vision. Unseen, this process also included many rough drafts and consultations with colleagues, so that the site best aligned with stated goals and the zoning code.

Townhomes

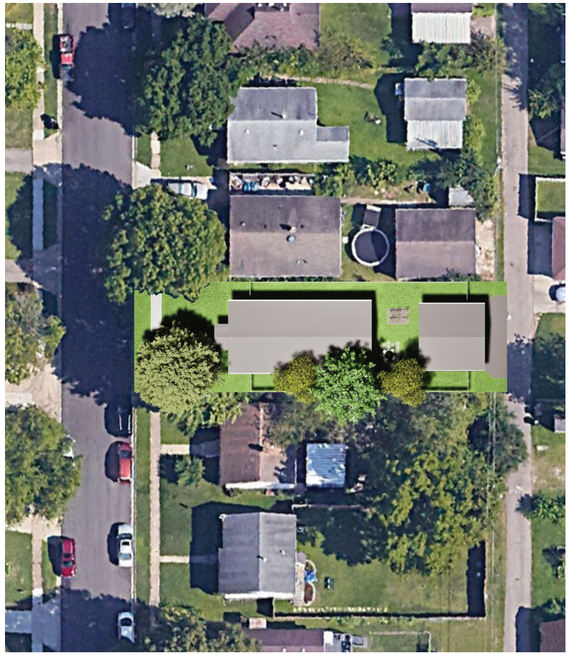
While gaining experience working with the rendering programs above, I created a site concept for 38 townhomes and streetscape improvements on seven city-owned and three privately-owned parcels. For this project, I focused on following the zoning code to create as many new housing units as possible while keeping the buildings at an appropriate size and including garages. In addition, I aligned the site to the roadway hierarchy to best manage traffic flow and safety, while adding pedestrian connections.

Creating a Town Center

For the first project, using all three programs in my creative process. I designed mixed-use apartments to fill a current underutilized shopping center currently considered as the potential location for a town center. The biggest challenge for this project was trying to create a mixed-use zone while aligning with both setback and height requirements. I focused on creating as much green as possible, creating pockets of public space, connecting the street grid, and creating pedestrian connections.



Small Scale Site Concepts



Along with large-scale site plans with major impacts on the city, I created several smaller-scale concepts to fill small vacant lots around the city. These offered different challenges and opportunities, including working with residential zoning instead of commercial zoning and the opportunity to get "in the weeds" by delving into architecture and land use. To that end, these site concepts complied with infill development requirements regulating several aspects of the site, requiring similar setbacks and architectural characteristics to the surrounding neighborhood.

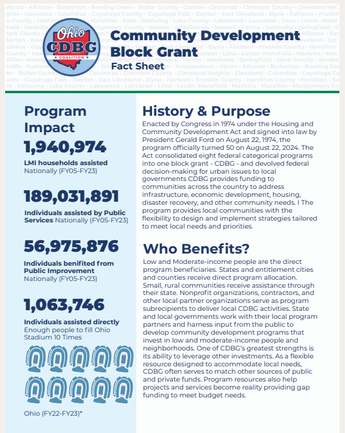
Front

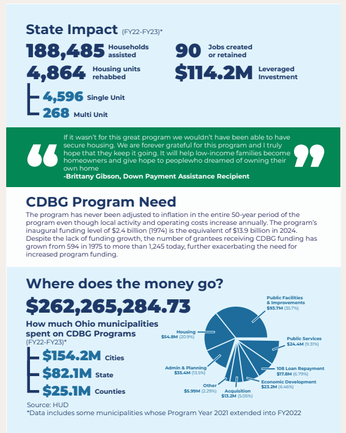
Front-From Above

Back-From Above

Community Development Design

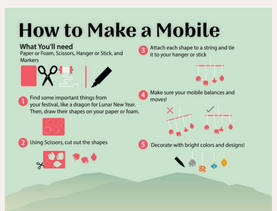
CDBG

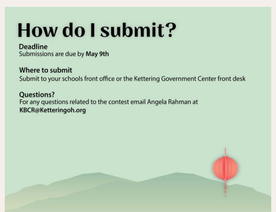


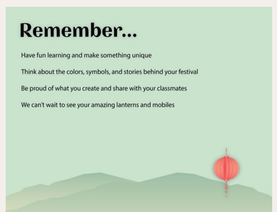


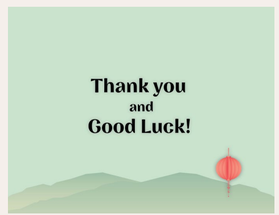
Working with the director of Community Development, I created these two graphics for two events that were shown to very different groups of people. First, I researched and designed a two-page fact sheet detailing the benefits of the Community Development Block Grant federal program, which directly assisted over 1,000,000 people from FY2022- 2023. This graphic was shown at the Ohio CDBG Conference.

AAPI History Month









For the second graphic, I created a slideshow to be shown to children in grades K-8, detailing the specifics for an Asian American & Pacific Islander month contest. Through this project, I gained valuable experience creating icons and writing for different audiences.

Northside

Site Analysis and Plan

Fall 2024

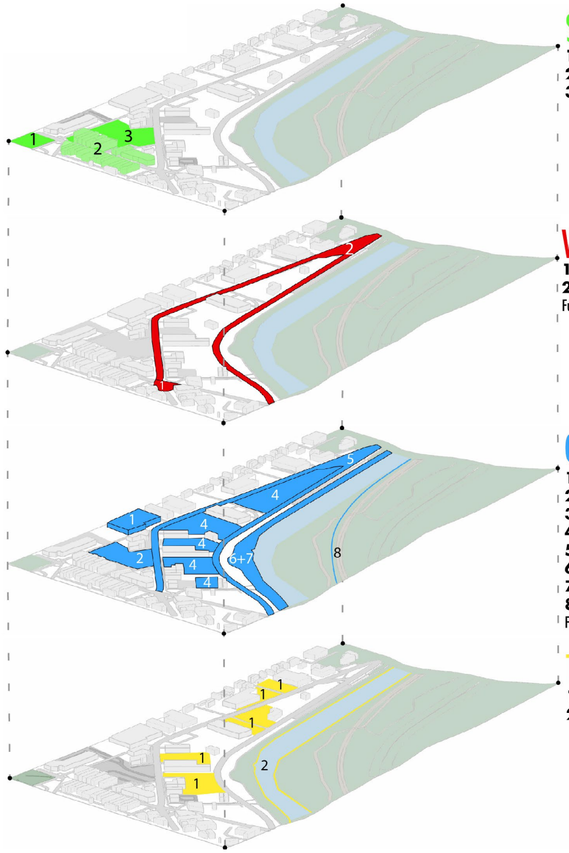
Group Work with Emmett Foley and Will Hein

Northside

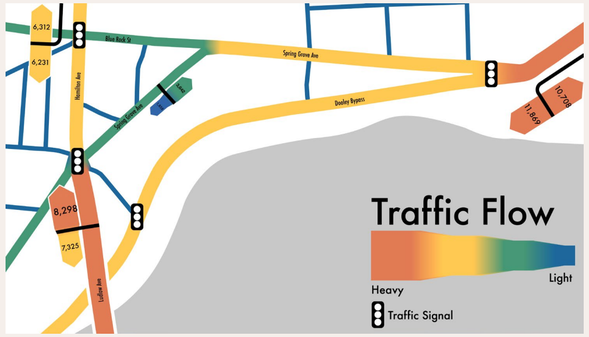
Northside is a neighborhood in Cincinnati located just south of College Hill and a few miles north of the University of Cincinnati. For my third studio, our group focused on a large industrial site adjacent to the main business district. Bounded by Mill Creek, the site is home to the Northside transportation hub with several bus lines converging. Over the semester, our group analyzed the site, later creating individual master plans with several interventions.

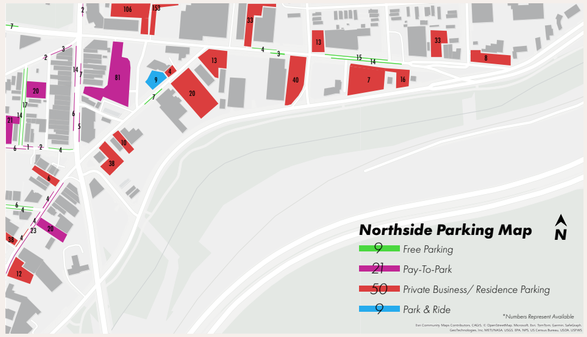
SWOT Map

After visiting and analyzing the site, our group mapped some of our key findings in our SWOT map. This map informed later analysis and our conceptual plan.



Statistical Analysis

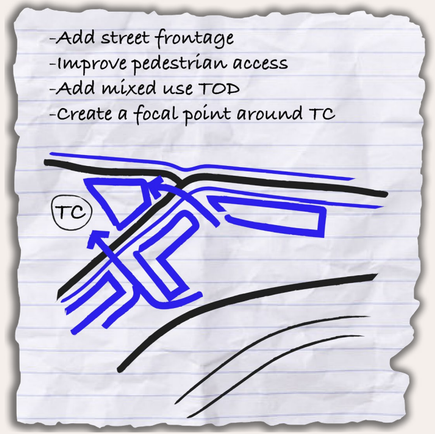


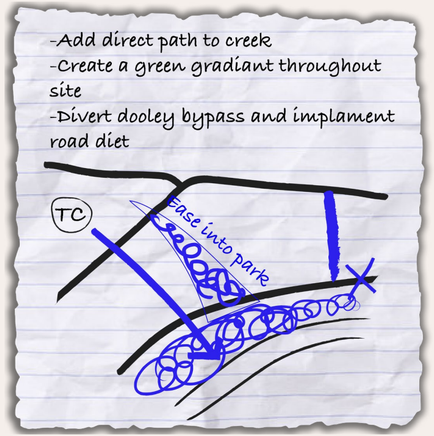


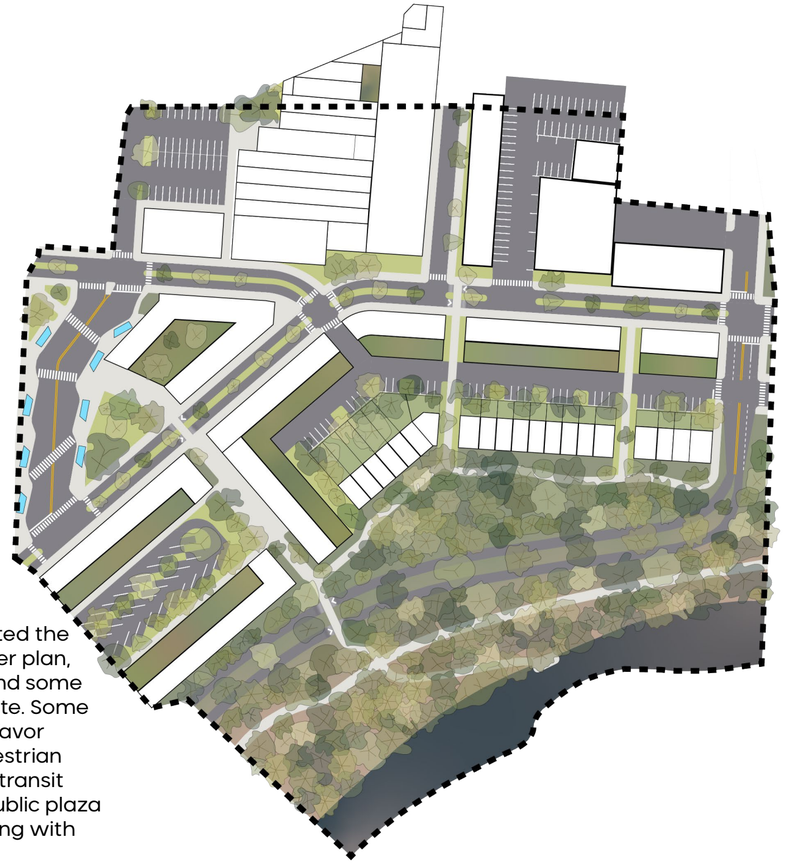
These similar statistical maps helped inform the earlier SWOT Map. Both maps helped demonstrate the auto-oriented nature of the site, something that the later conceptual plans will change.

Conceptual Planning

After the statistical analysis, each individual member of the group created their conceptual plan for a smaller section of the site. My plan was divided into two sections focused on maximizing what I found to be the two best assets of the site: The Transit Center and Mill Creek Park. In addition to the two "napkin sketch" conceptual plans, I created a conceptual collage, combining some of the key elements I later integrated into the plan. Mainly, this includes more mixed-use buildings, a better neighborhood greenway with open access to Mill Creek.







Master Plan

Using the conceptual plans, I created the master plan for the site. The master plan, from above, shows the physical and some more micro interventions for the site. Some include street parking removal in favor of off-street facilities. A wide pedestrian walkway and plaza between the transit center and the Mill Creek trail, a public plaza adjacent to the Transit Center, along with others.

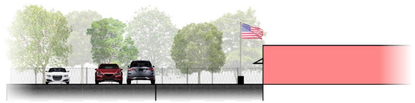
Implementing the Plan

From Aerial to detailed, these renderings and cross sections show the implementation of the plan. Each of which demonstrates a different aspect of the plan. In the first cross-section, Density is increased along with green space. Additionally, the former four-lane William Dooley bypass was reduced to 2 lanes, also shown in rendering 1. In the smaller cross sections, roadway width is also reduced while density is added in cross section 3. Additionally, Cross Section 2 shows the decrease in parking to favor pedestrians along with a path to Mill Creek. This view is shown in the opposite direction in rendering 1. Lastly, rendering 2 shows the plaza adjacent to the Transit Center with public

1 Before

1 After

2 Before



3 Before

2 After

3 After

Evanston

BRT Station Area Development

Summer 2025

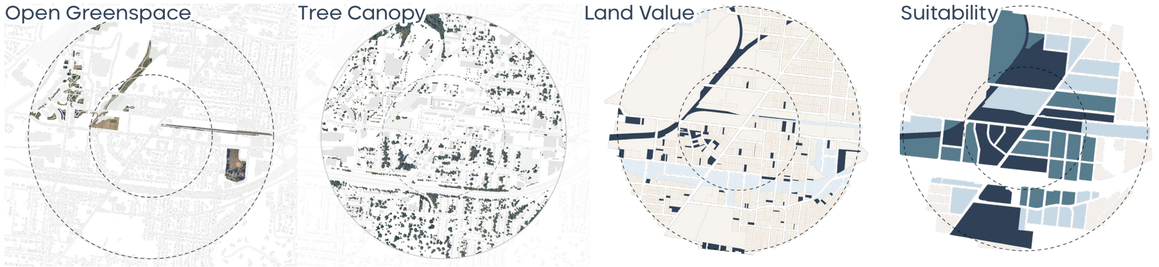
Group work with Emmy Fox and Andrew Ho

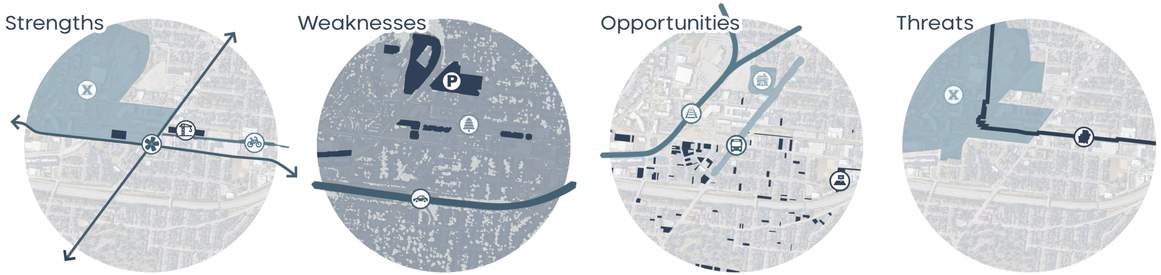
Evanston

Cincinnati will undergo a massive transformation with BRT. Initially, two lines along Reading Rd and Hamilton Ave will reshape business districts to the north end of the city. Later, Montgomery Rd and Glenway Ave will further connect neighborhoods to downtown. This project focuses on the proposed stop at the intersection of Montgomery Rd and Dana Ave. Within a half mile of the stop, several forces converge: Xavier University, a large Big East institution with 8,000 students, Wasson Way, a new rail-to-trail that will eventually span 6 miles across the city, and the current auto-oriented and dilapidated business district. Keeping all these factors in mind, this project aims to transform the area, creating a dense, transit-oriented community.

Site Analysis

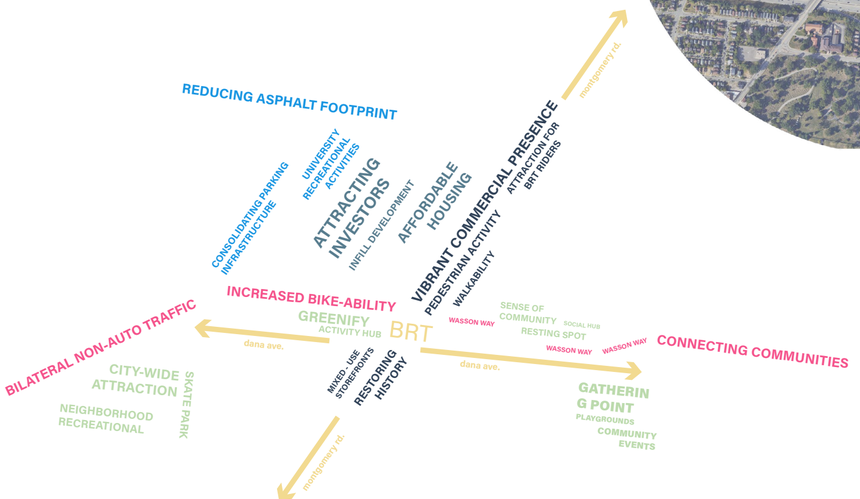
After gathering the first impressions of the site, we completed the site analysis. Below, several maps show some themes for the site with a large amount of vacant land, low tree cover, and limited community space. Additionally, the SWOT maps and suitability map show that the area has a high potential with many valuable assets, but also demonstrate how much work must be done.





Conceptual Plan

After completing the statistical analysis of the site, we created several conceptual maps that highlighted various interventions and changes for the ½-mile site. These were grouped into three focus areas, mapped on the right: Revitalizing the business district, Improving and extending Wasson Way, and adding infill development to a large 22-acre vacant strip mall site known as Norwood Plaza.



Site Render

Below is one example of interventions that align with two focus areas: revitalizing the business district and improving Wasson Way. This rendering shows the intersection between Wasson Way and Montgomery Road. This area is designed and programmed to act as a community focal point, with bikers, bus riders, shoppers, and students all converging in one location.

College Hill

Neighborhood Analysis & Intervention

Spring 2024

Group work with Will Hein and Cooper McGurn

College Hill

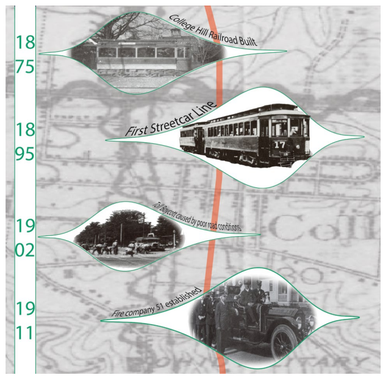
College Hill is a neighborhood located on the northern border of Cincinnati. Once a thriving streetcar suburb, the neighborhood declined during the automobile era. With the introduction of BRT and planned redevelopment, the neighborhood is changing. This project sought to understand the neighborhood, analyzing the past and present of the community. Then, proposing changes to create a better community for all people, which helped me gain experience in basic site analysis and planning.

Neighborhood History

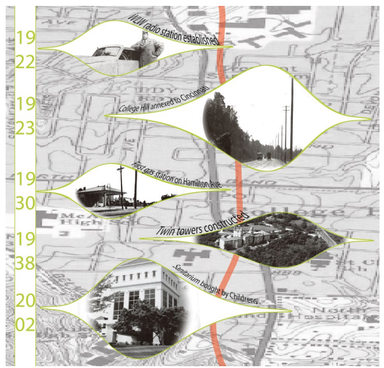
As the first assignment in College Hill, our group, using various sources, researched major historical events and characteristics of the neighborhood. With research completed, we choose to simplify into three historical eras that generally follow citywide and nationwide trends: the early days, a streetcar suburb, and the automobile era.

The Early Days

Streetcar Suburb



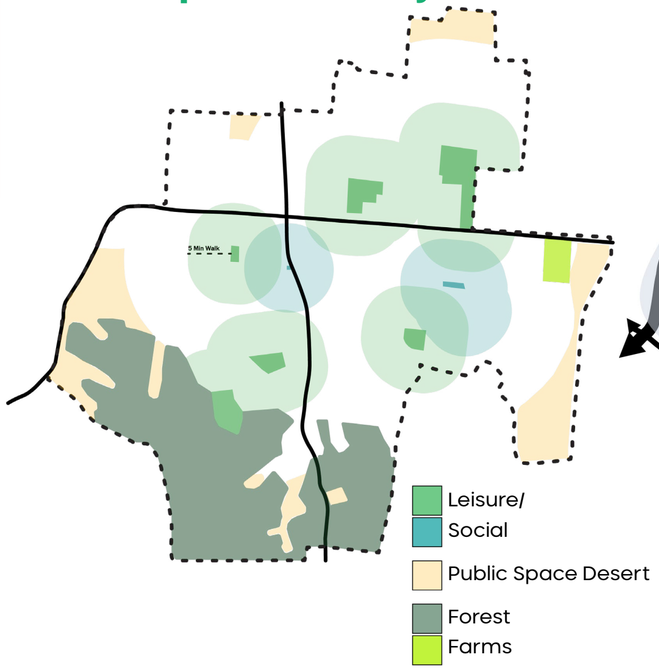
The Automobile era



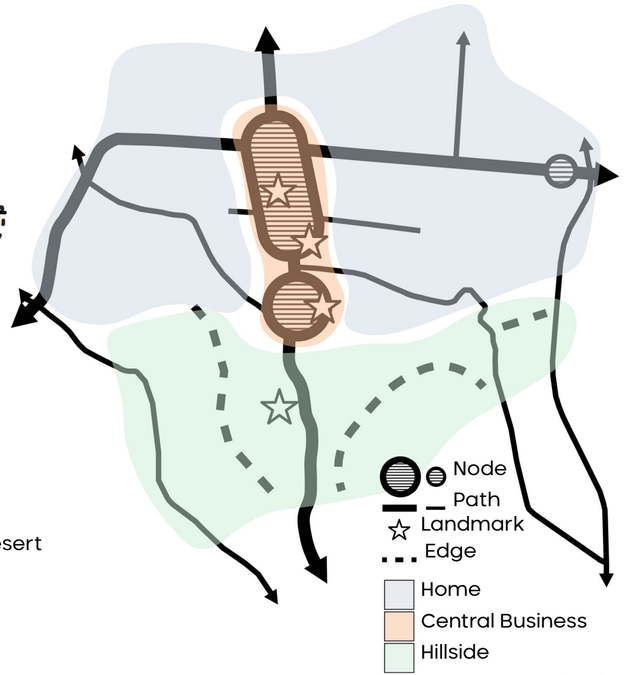
Basic Analysis

After researching major historical events, our focus shifted to a limited basic analysis of some site characteristics. For these maps, we looked at proximity to greenspace and imageability using the five elements established by Kevin Lynch.

Greenspace Proximity



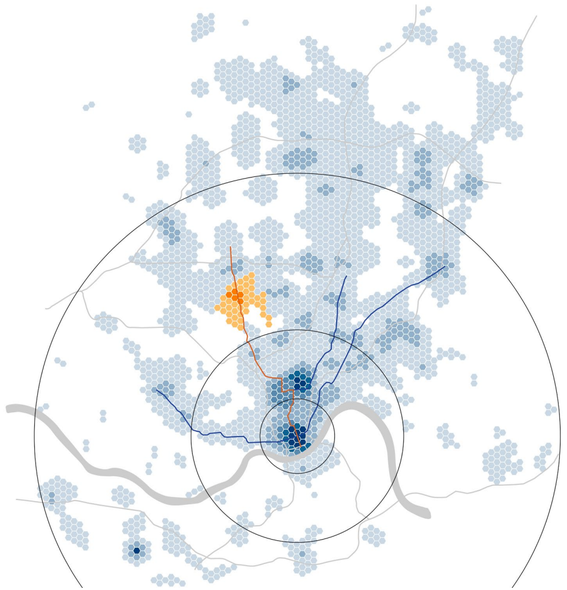
Imagebility



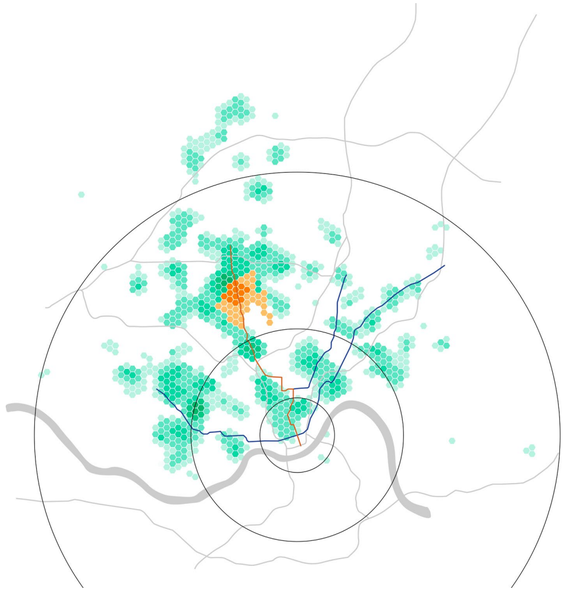
Statistical Analysis

Using Census data, these inflow/outflow maps demonstrate a selection of our site statistical analysis. From this data, we noted that College Hill mainly functions as a commuting suburb, with most residents working outside of the neighborhood. Note that a high number of job clusters are located along the future BRT corridors (noted in dark blue and orange).

Outflow

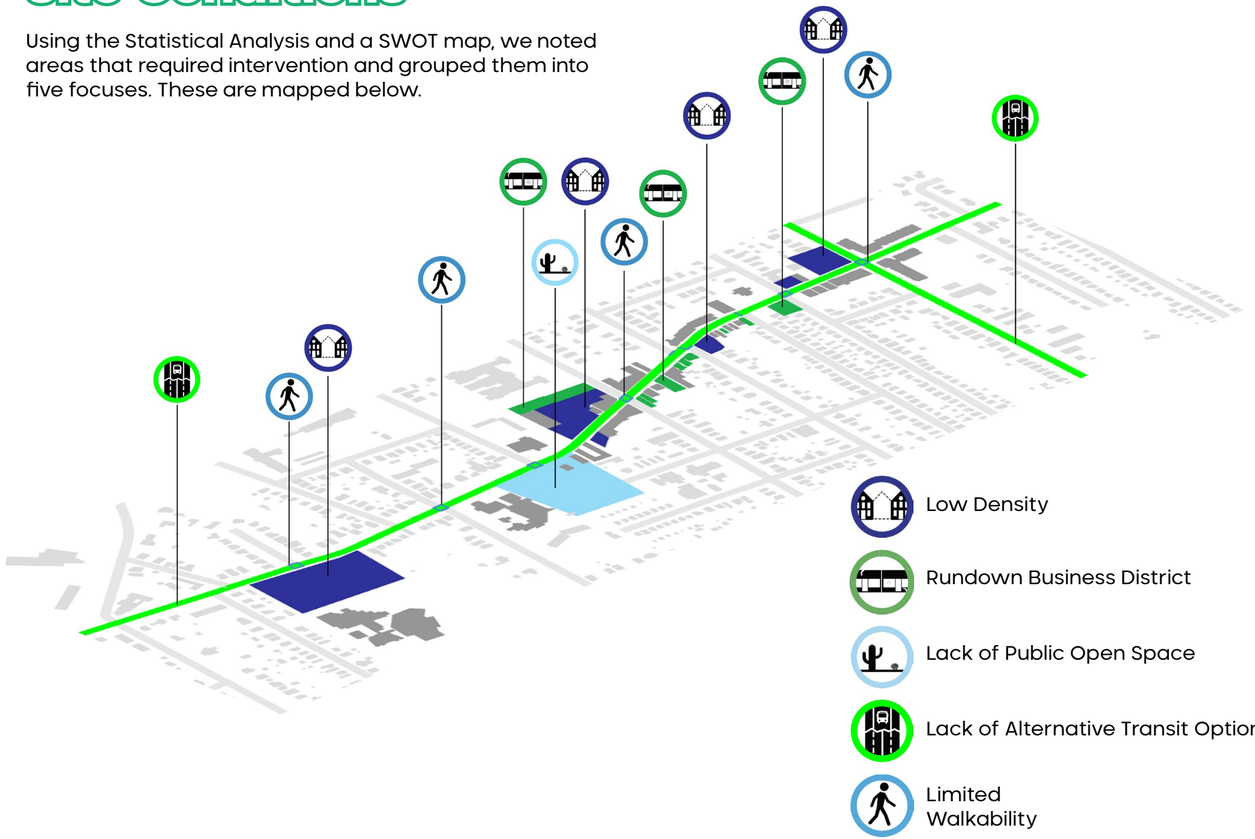


Inflow



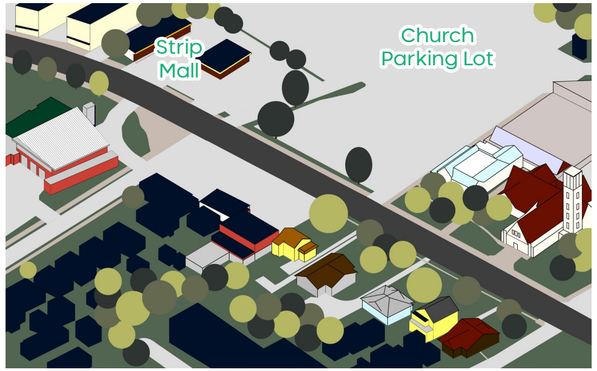
Site Conditions

Using the Statistical Analysis and a SWOT map, we noted areas that required intervention and grouped them into five focuses. These are mapped below.

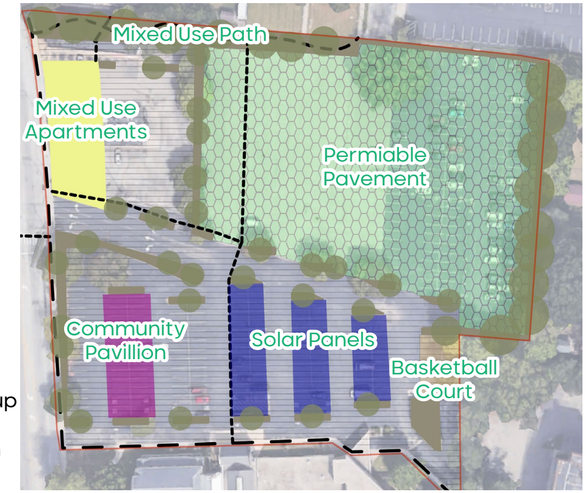


Intervention

Current Rendering



Site Plan



From the site condition analysis, each member of the group picked a site to focus on. My site was a large church parking lot and a small strip mall. For my plan, I focused on retaining all the existing uses of the site while adding several improvements. For example, I replaced the strip mall with a street-fronting mixed-use building, retaining existing tenants on the ground floor. I added permeable pavement and solar panels to reduce the environmental impact of the parking lot. A new mixed-use path connects the neighborhood to Hamilton Ave. In addition, a new basketball court and community pavilion for the farmers market create a place for the community to come together on days other than Sunday.

Flexible Parking Space

Infill Development

Mixed Use Trail

Permeable Pavement

Other Works

The Purple Line - Summer 2024

Jammed! - Fall 2023

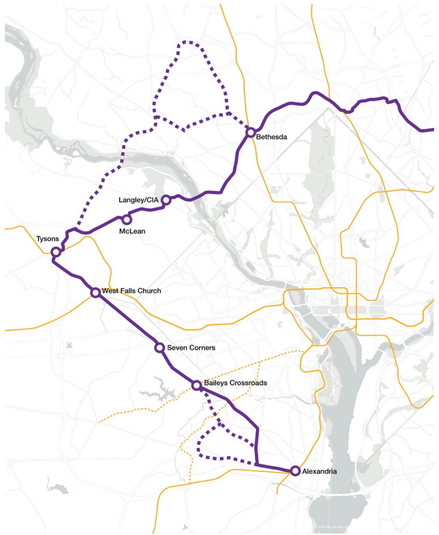
The Purple Line

Summer 2024

Over 30 years in the making, the future MTA Purple line will form a suburban light rail ring that will connect existing high-density edge cities and major suburban centers outside of Washington, DC. This project served as a practice to use simple GIS mapping and analysis to propose an extension of the line into the major edge city of Tyson's, VA, along with suburb-to-suburb connections to other major centers in the Northern Virginia area, including Langley (CIA Headquarters), Alexandria, Falls Church, and several others.

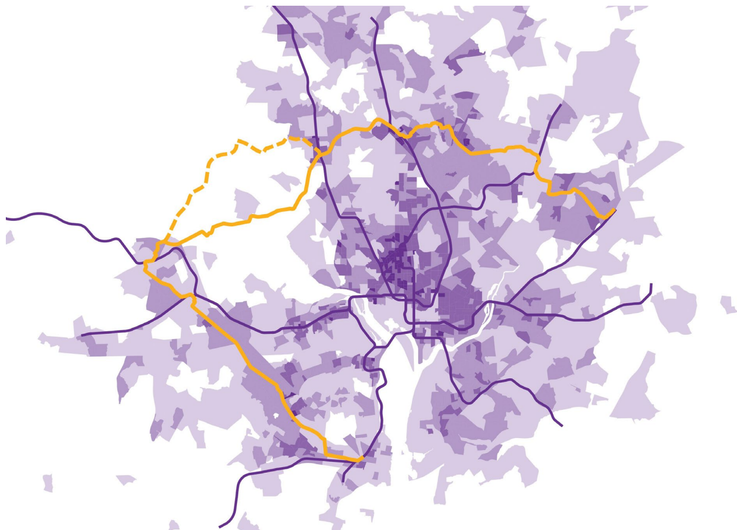
Mapping the route

The maps below and to the right showcase the current under-construction route (below) and my proposed routes for this project (right). Potential cost savings or changes in route are indicated with a dashed line.



Suitability Analysis

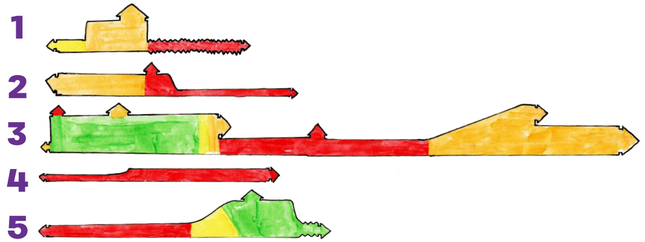
With recent history and trends researched, I employed a simple suitability analysis rating census block groups on a scale of 1 to 5. I calculated the score by combining several different elements, including existing transit ridership, housing density, business density, and elevation. With those four factors in mind, I created the synthesized map below, with the proposed route in orange and a low-cost alternative dashed.

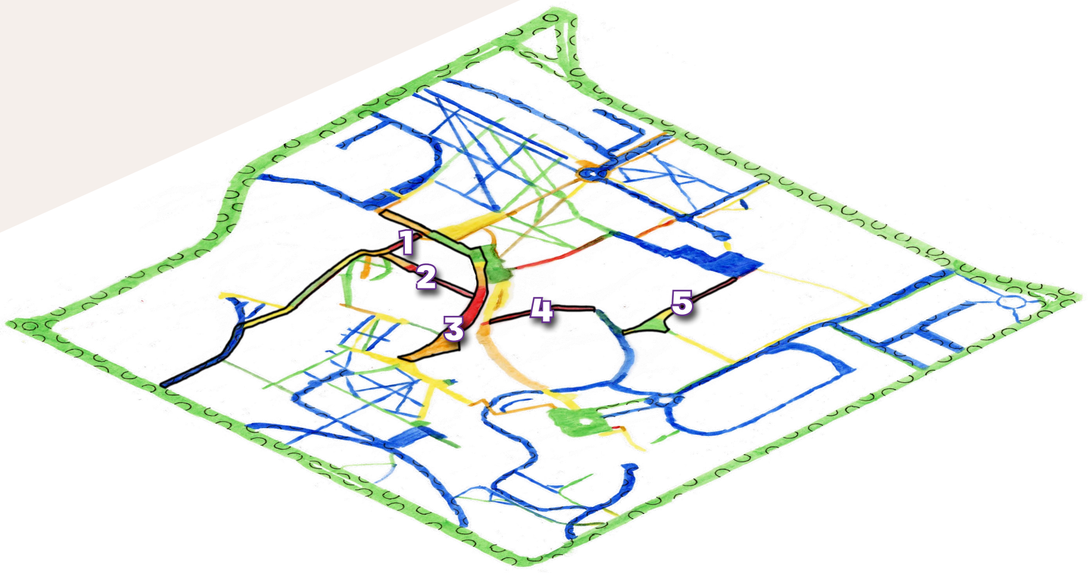


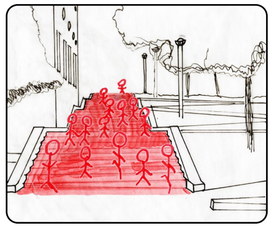
Jammed!

Fall 2023

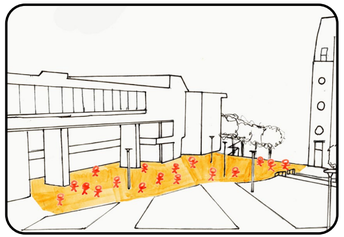
The campus is jammed! With enrollment expanding to 60,000, campus pathways will soon be at capacity. During the fall semester studio of 2023, this project explored the pathways on campus that were the most "Jammed!" and the potential solutions to relieve pathway congestion while also gaining experience in various basic drawing and graphic techniques.



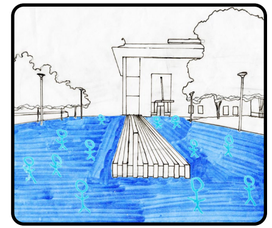




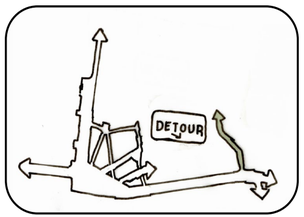
Widen

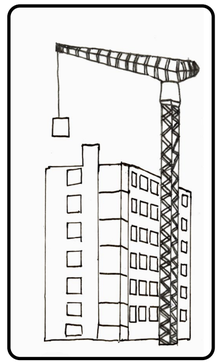


Add



Shift





Cleaning up the Jam!

After looking at where the "Jam!" is. I proposed three straightforward solutions to address the issue. First, widen pathways to accommodate more people on existing routes. Second, add more pathways to divert crowds. Third, shift building uses, construction, and scheduling higher capacity areas of the campus.

Thank You!

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