

Bascom Plaza

San Jose, California

Santa Clara Team UIDC

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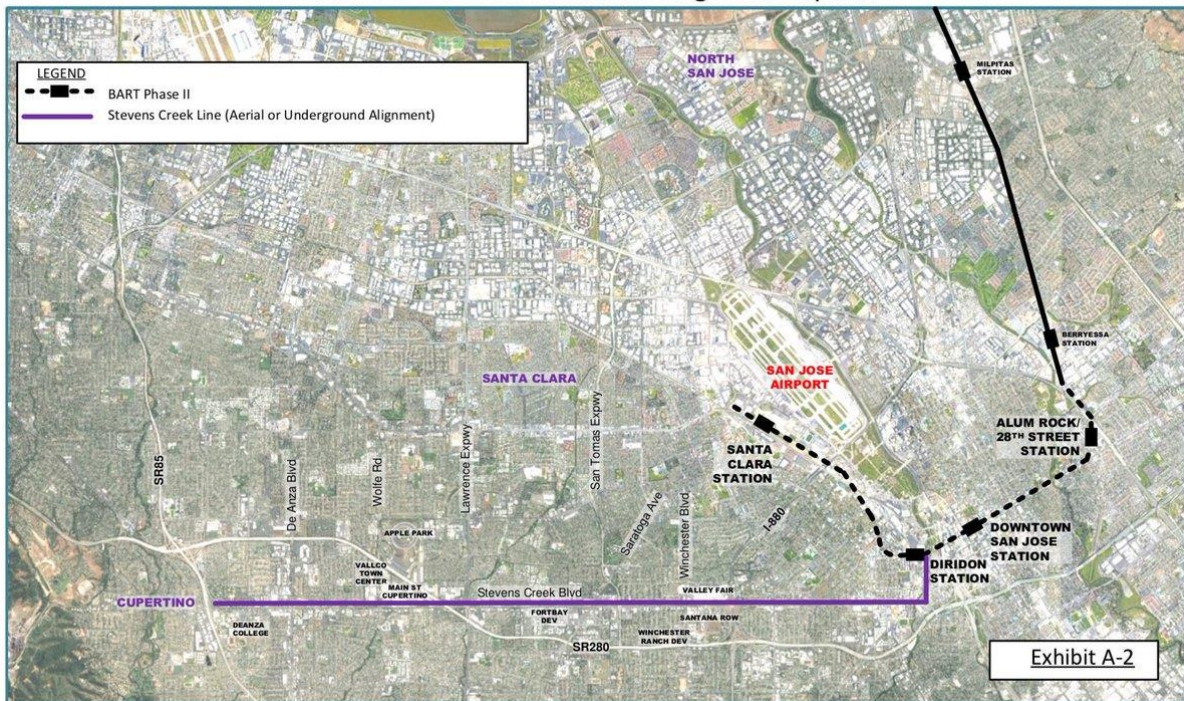
Abstract

Our proposal focuses on a rezoning area of San Jose in-between Santa Clara Valley Medical Center and San Jose City College. Our vision for the project places an importance on creating a stronger connection between users of both the hospital and college. We believe the creation of a public green space, along with the implementation of improved public transit can act as centerpiece for this urban development. The project is anchored by a transportation facility and hotel on the north end and a high-end residential building on the south end. The project also features mixed-use retail and office district aimed at bringing visitors to the area.

Project and Purpose Description

The city of San Jose and Santa Clara is proposing a light rail corridor going south from the airport and west down Stevens Creek Boulevard. San Jose opened the project as an RFI (request for information). The city was open to suggestions for the project. The image below exhibits the proposed corridor.

Stevens Creek Line Potential Alignment Option



From this image our team began generating ideas as far potential transportation options and locations for such. Our research, along with discussions with consultants in San Jose our group found that the light rail corridor proposal would not solve the first mile-last mile issue. Another key quote we heard from a consultant was that trains make humans travel in packs of 50-100. Human's don't normally move in packs that large. Normally their groups are much smaller ranging from 1-6 people. Through our Architecture 551 Comprehensive Design Studio class at Southern Illinois University, as well as our consultants, we were urged to look into and use the PodCar PRT system. Our group then went ahead and started to

investigate PodCar technology to gage its potential for the San Jose project. We were able to weigh the pros and cons of the PRT system. What we found was that PRT system would utilize the PodCar, which would provide each user their own cabin. The system would be easy to use for the user, simply arriving at a station and selecting your destination either by utilizing a kiosk at the station, or it could work as an app on your smart phone. From that point, your own PodCar would arrive at the station, or it may have already been waiting at the station. The user would enter the cabin and then would be on their way to the destination via the overhead suspended rail system.

The next stage of our project included a site visit to San Jose. At least one members of each SIU San Jose team made the trip to California. Once there we explored the proposed light rail corridor along Stevens Creek Boulevard and met with our consultants working on the Spartan Superway. As per requirements for our studio class at SIU, we were tasked with selecting an area of the city to propose a master plan redesign. Our consultant in San Jose; Ron Swenson would go on to give us a handful of suggestions for areas to redevelop as part of the master plan.

Within our master plan, each group member would be tasked with selecting a building to design as a specific building type. The building type options were as follows, hotel, residential building, or transit center. We would go on to select our building types as follows, Peter: hotel, Xixian: hotel, Diego: residential and boutique hotel combination.

Through careful consideration and research, our group would go on to select a master planning site just south of Stevens Creek Boulevard and Interstate 280. Our team felt this site had the most prominent context. The site sits centered along

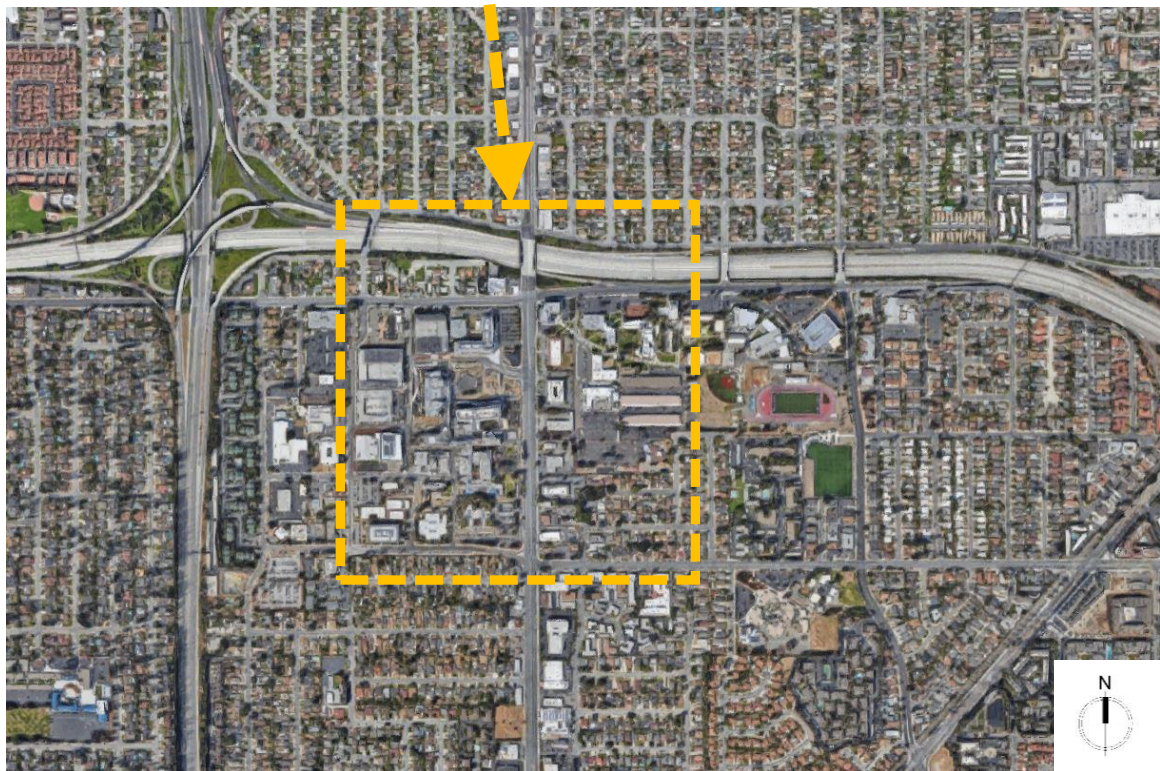
South Bascom Avenue in between San Jose City College on the east and Santa Clara Valley Medical Center to the west. Residential neighborhoods border our site in all directions. We felt these contextual items created a strong influx of people using the area for a multitude of reasons. When we visited the site in person, we found that S. Bascom Ave. was an extremely busy street that created a divide between the hospital and college spaces. We felt that by redeveloping portions of this area we would be able to create a strong connection amongst the two spaces and improve the daily life of users of the area, as well as bring in new users to the area.

Motivation

The project was chosen as per a requirement for our Architecture Comprehensive Design Studio class at Southern Illinois University Carbondale, under the guidance of our instructor Shannon Sanders McDonald. Our team was excited to be part of the competition and we thank you for allowing our participation.

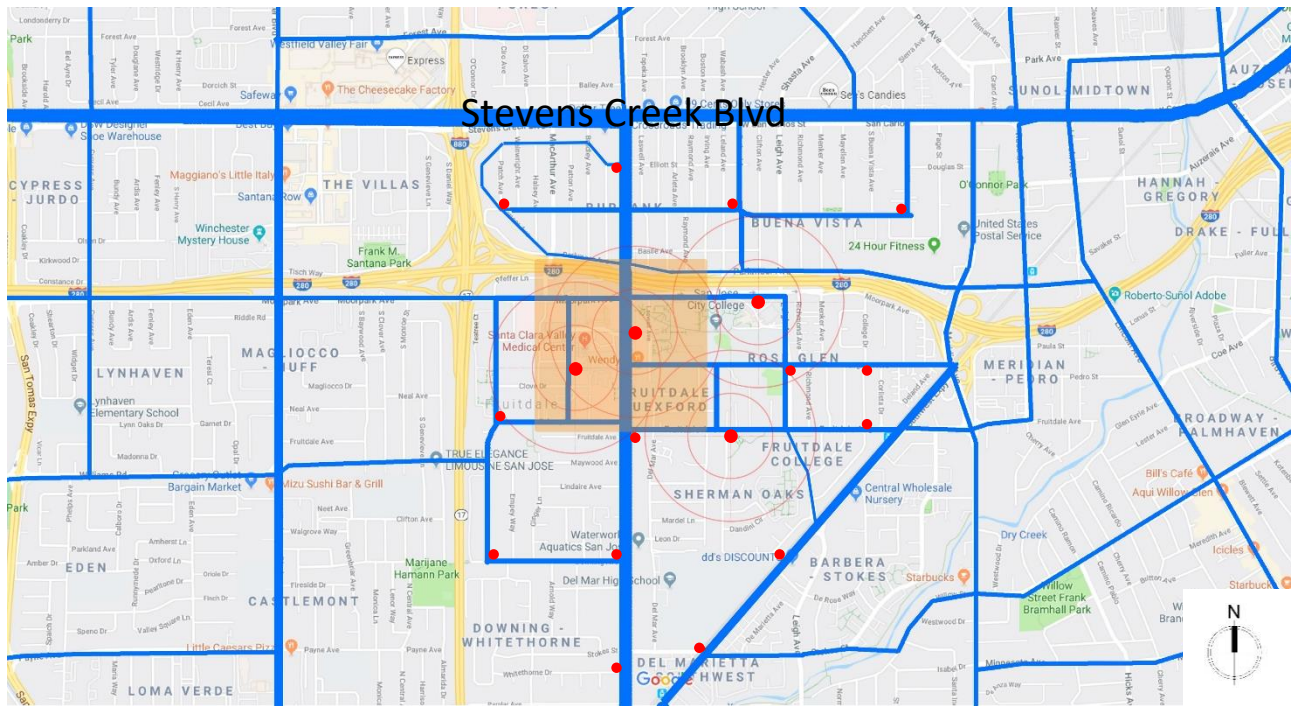
Proposed Site Location: Santa Clara Valley Medical Center and San Jose City College

Note: Yellow box designates proposed site location

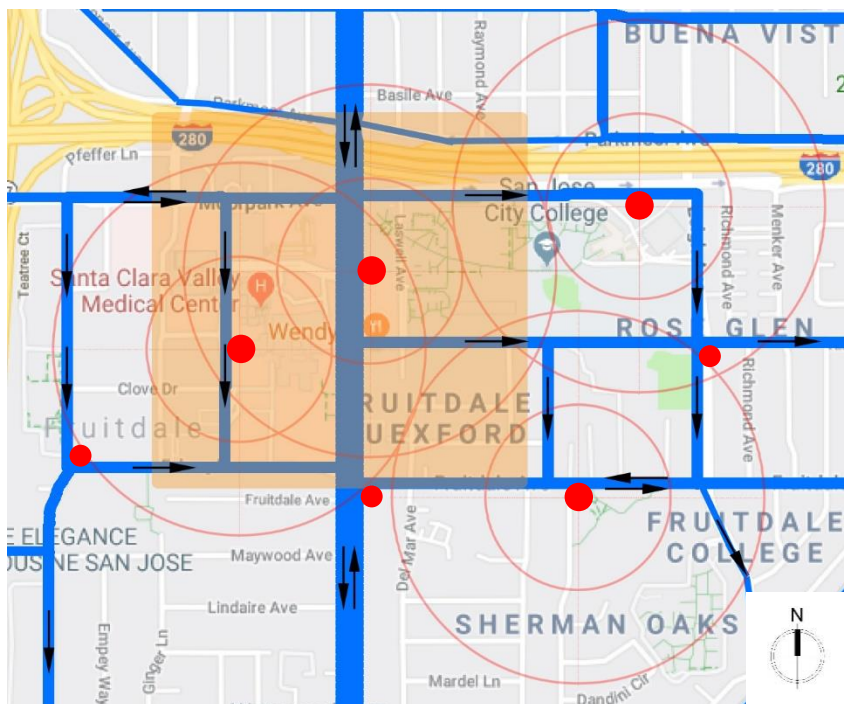


The maps below show our proposed PodCar PRT routes and network. The blue designates the routes, the red dots designate the stations, and the light orange square designates our master plan area

PRT / PODCAR ROUTES: NETWORK OVERVIEW



PRT / PODCAR ROUTES: SITE SPECIFIC



LEGEND

- PODCAR ROUTE
- PODCAR BIG STATION
- PODCAR SMALL STATION
- WALKING DISTANCES
- 1/8 MILE RADIUS
- 1/4 MILE RADIUS

Our Master Plan proposal focuses on building a connection between the Santa Clara Valley Medical Center and San Jose City College. We believe we accomplish this connection through the creation of a large public green space or park. The park flows from the main entrance of the Valley Medical Center, across S. Bascom Ave. to the main entrance of San Jose City College. To bring users to the area, as well as servicing current users of both sites we are proposing a mixed-use retail area on the southern portion of our site. To accommodate visitors of the area, we have created a hotel just north of the park. And to service users who want to live close to work or school, we have proposed a residential mid-rise building at the southern end of our proposal area.

LEGEND

- GREEN SPACE / PARK
- NEW CONSTRUCTION
- 1. TRANSIT CENTER
- 2. HOTEL
- 3. MIXED-USE
- 4. RESTAURANT
- 5. RESIDENTIAL
- 6. PRT PODCAR LINE
- PRT PODCAR STATION



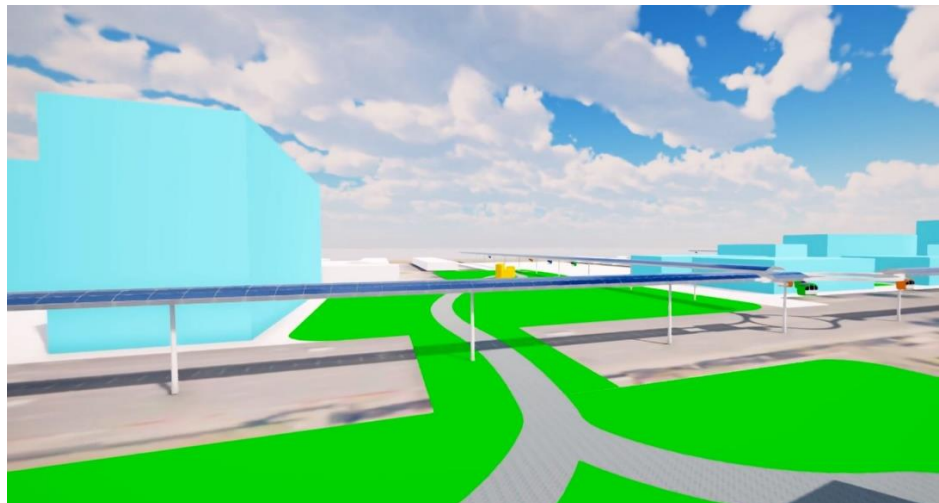
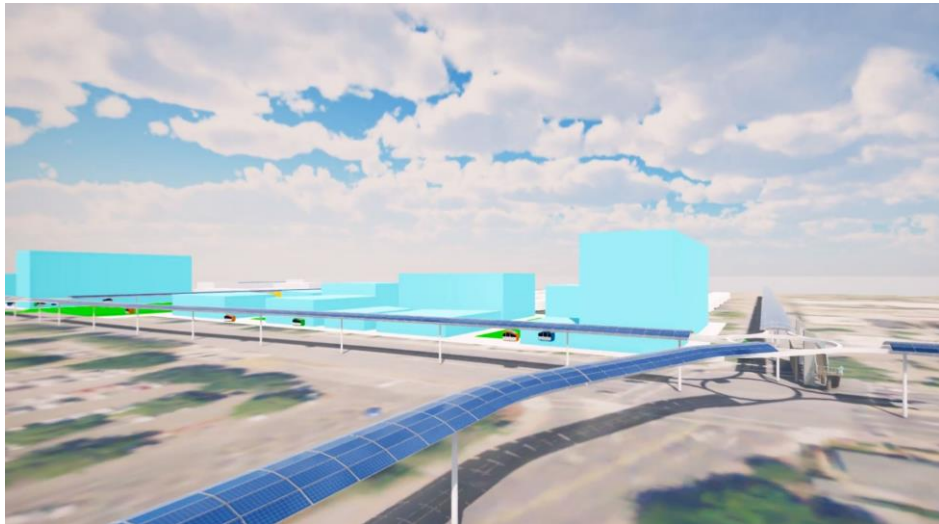
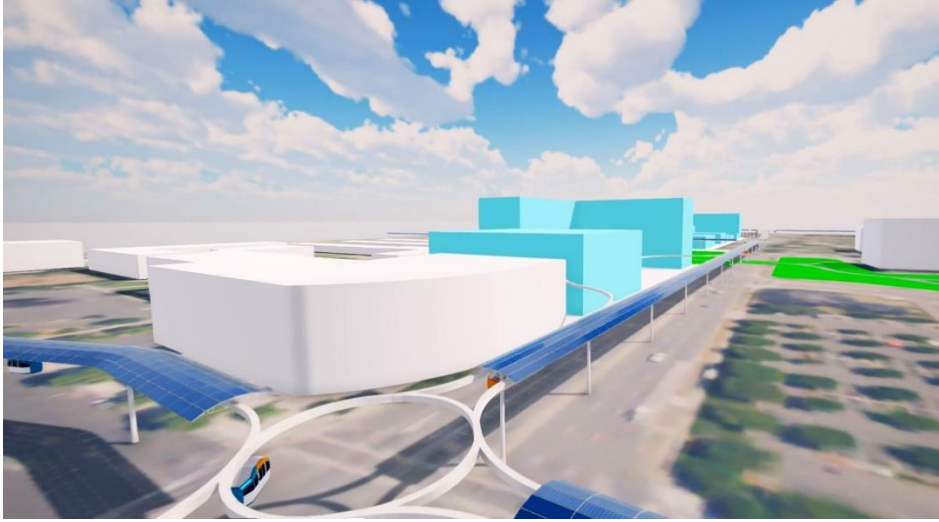
Energy Analysis / Goals for the City

Energy Conservation for San Jose will continue to conserve energy, reduce energy consumption per capita, and adopt renewable energy technologies so that, as the City develops, its total Carbon Footprint will remain the same or be reduced. All San Jose residents and businesses will have expanded access to clean, renewable, affordable, and reliable energy.

1. Reduce consumption and increase efficiency; reduce per capita energy consumption by at least 50% compared to 2008 levels by 2022 and maintain or reduce net aggregate energy consumption levels equivalent to the 2022 level through 2040.
2. Renewable Energy; receive 100% of electrical power from clean renewable sources by 2022. Solar, wind, hydrogen is good example. It's also to the greatest degree feasible increase generation of clean, renewable energy within the City to meet its own energy consumption needs.
3. Energy Security; provide access to clean, renewable, and reliable energy for all San Jose residents and businesses.

The proposed master plan included a variety of different programs and building types. In order to make these buildings more energy efficient as well as reduce energy used, we had designed in a way that will accommodate the program effectively by using the goals proposed. In order to reduce the carbon footprint in the area, the building must use a system or a group of systems to promote net positive energy or green energy. Different way of approaching this is by implementing clean, renewable, and reliable energy system such as solar, hydro, wind, geothermal and passive design

4D Model Video Images



XiC San Jose Hotel

Building by Xixian Wu. Building type selection: The individual facility type was selecting, and it will be a building of a resort hotel. a hotel that will be rating around 4.0 stars with all the luxury services. hotel is the most common type of accommodation in the living industry and is defined as an establishment of offering overnight accommodation, dining and other services. they are primarily aimed at travelers or tourists, although locals may also use them. hotels provide private rooms, and almost always have on-suite bathrooms. in addition, most rated hotels follow strict standards as well as standard themes which leading that the proposing hotel will be including a theme of the modern world design. it will also be adding in the most common facilities to health clubs, spas, swimming pools and outdoor areas. thus, the main purpose of the hotel is to provide customers with free concierge and luxury service to every welcoming customer.

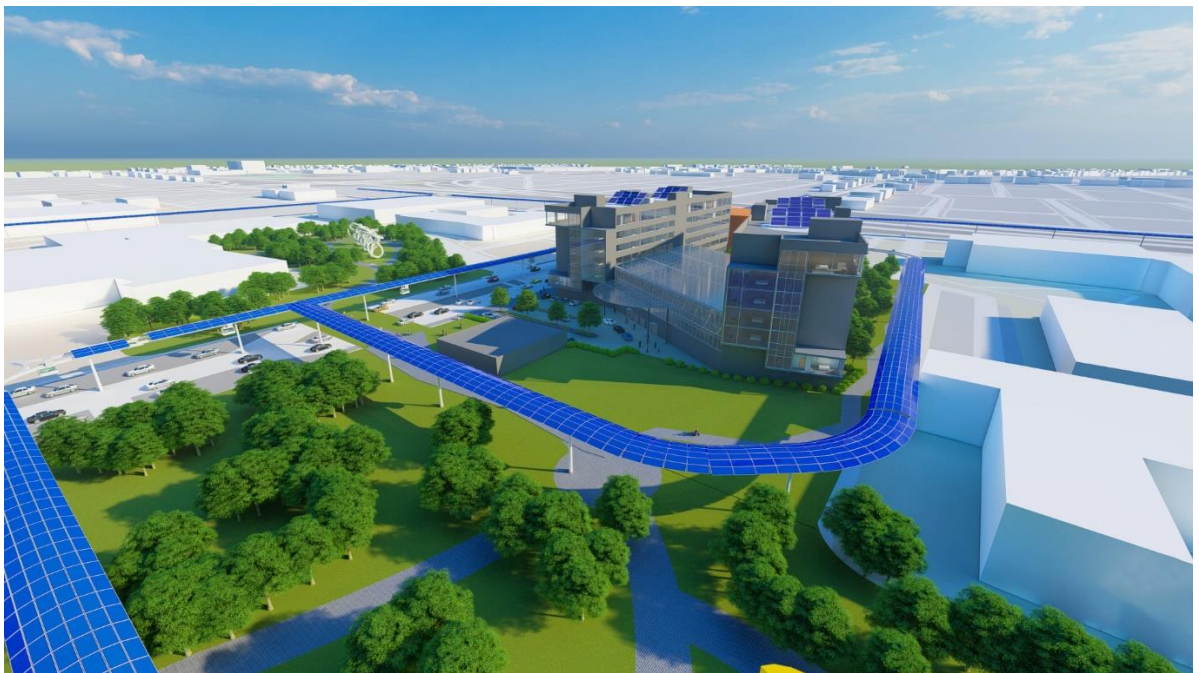
Relationship to Master Plan Site:

The proposed hotel building will be located between the Santa Clara valley medical center and the san Jose city college. the proposed location focuses on the rezoning of a strip along the eastern side of south Bascom avenue. people come to the campus from other places, or the hospital can stay

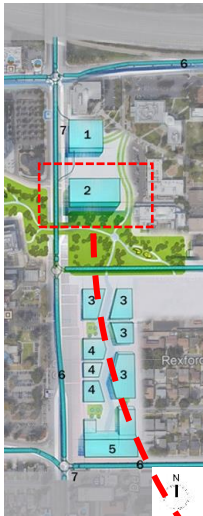


there to rest. in addition, the hotel location is adjacent to the proposed prt station and there will be a prt network connected to the stevens creek avenue corridor. placing a

hotel next to a prt station will be the main source of hotel revenue. when the prt becomes popular, everyone will ride it, and when they need an overnight place, the hotel is the best choice for their stay. the hotel is less than a minute walk from the prt station. however, next to the hotel on the south side, there will be a proposed park. a place full of green spaces and sidewalks. when people choose to stay in the hotel, they can enjoy the beautiful view of the green area on the south side, while the north side can see the new modern creative design of the prt station.

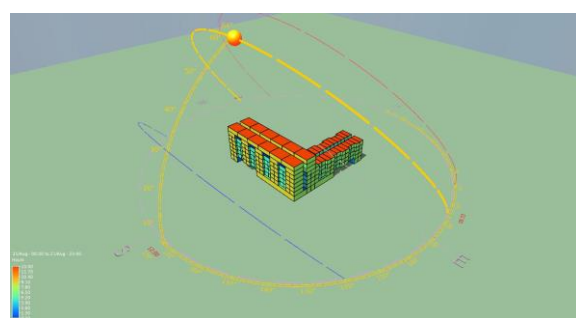
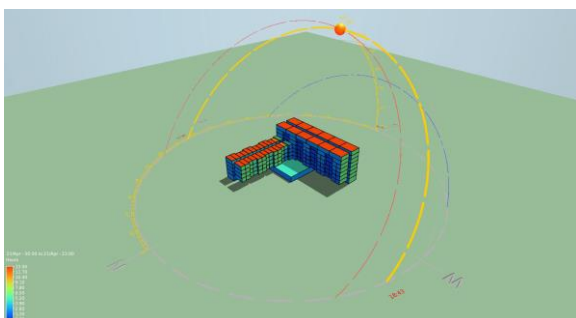
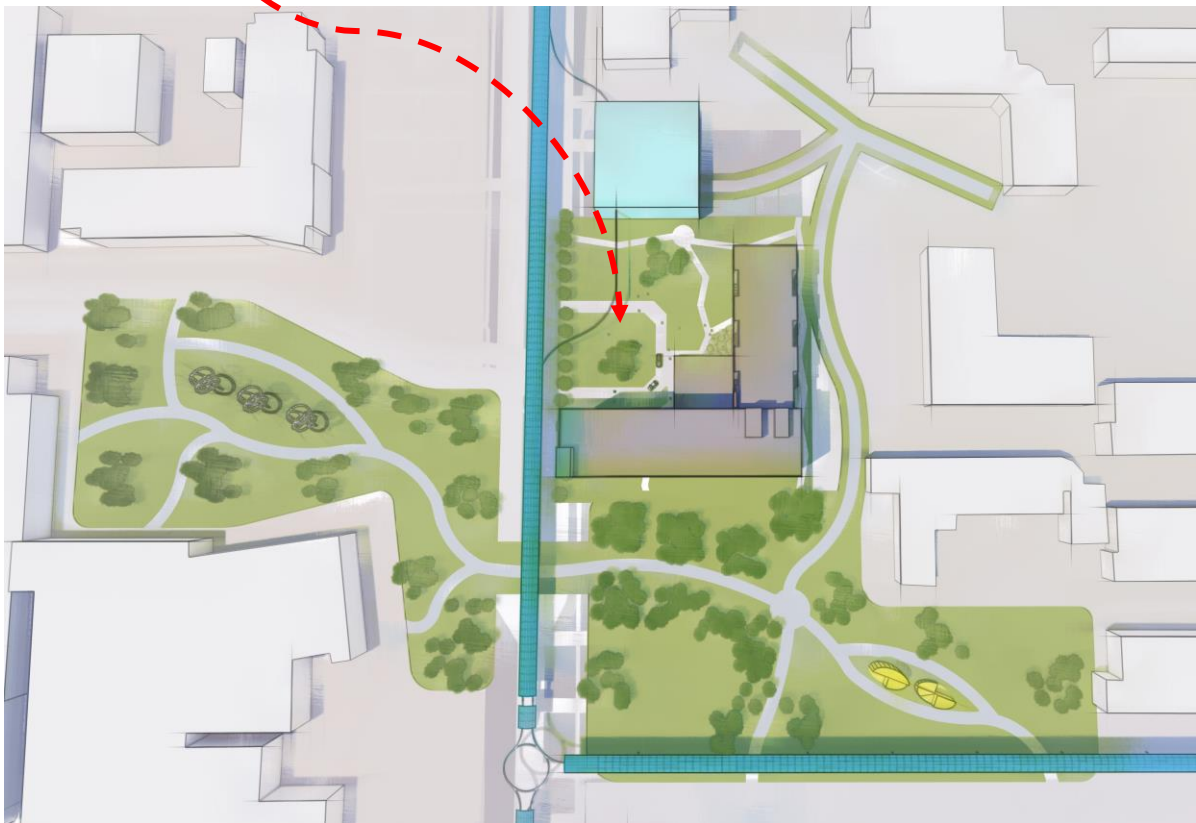


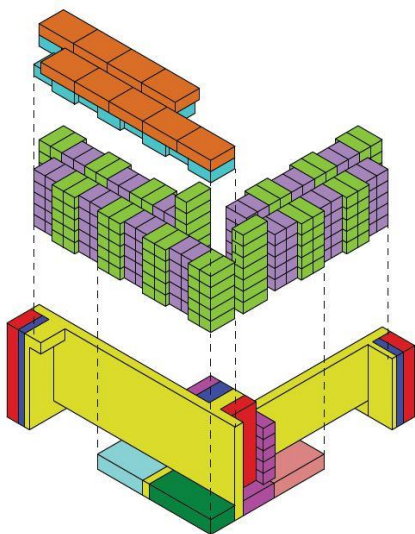
The Suites at Bascom Plaza



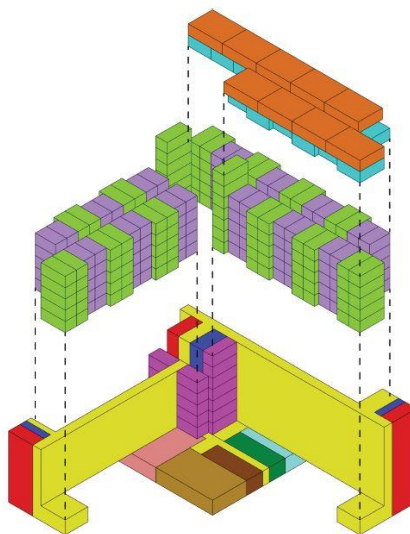
Building by Peter Galick.

This project is a proposal for a 200,000 square foot hotel, containing 287 keys. The building utilizes mass timber construction and aims for sustainability through the Living Building Challenge approach. The design strives to fall in line with master plan goals of creating a strong connection between San Jose City College and Valley Medical Center. The drawing below shows the building in plan view, within the group's overall master plan.





SOUTHEAST VIEW



NORTHWEST VIEW

Legend

- Executive Suites
- Junior Suites
- King Rooms
- Queen/Queen Rooms
- Maintenance
- Circulation
- Egress Stairs
- Elevators
- Pool Room
- Amenity Spaces
- Administrative Rooms
- Lobby
- Restaurant

Mass 85 Apartment and Boutique Hotel

Building by Diego Ortiz. Located in the southernmost part of the redevelopment zone stands alone a 365,000 sq. ft building. It contains two primary functions to accommodate California residents and visitors. Students can take the advantage of going to of the surrounding campuses but not counting as much. The college, San Jose City College has many commuting students who can take



advantage of having an apartment nearby. Students from the surrounding medical school and those doing their residencies now have easier access to living. medical staff and patient care givers can also receive and use the accommodation "mass 85" has to offer. by separating an apartment and a hotel it helps distinguish between long- and short-term stays. a new addition to a very crowded and tourist site can help ease the social stress and anxiety the city can have on individuals. having access to the pod cars can grant easy access to airports, schools, and site with being located conveniently outside the main entrance

