chathamuniversity Institutional Master Plan for the Shadyside Campus September 1, 2020 | Development Activities Meeting

Rothschild Doyno

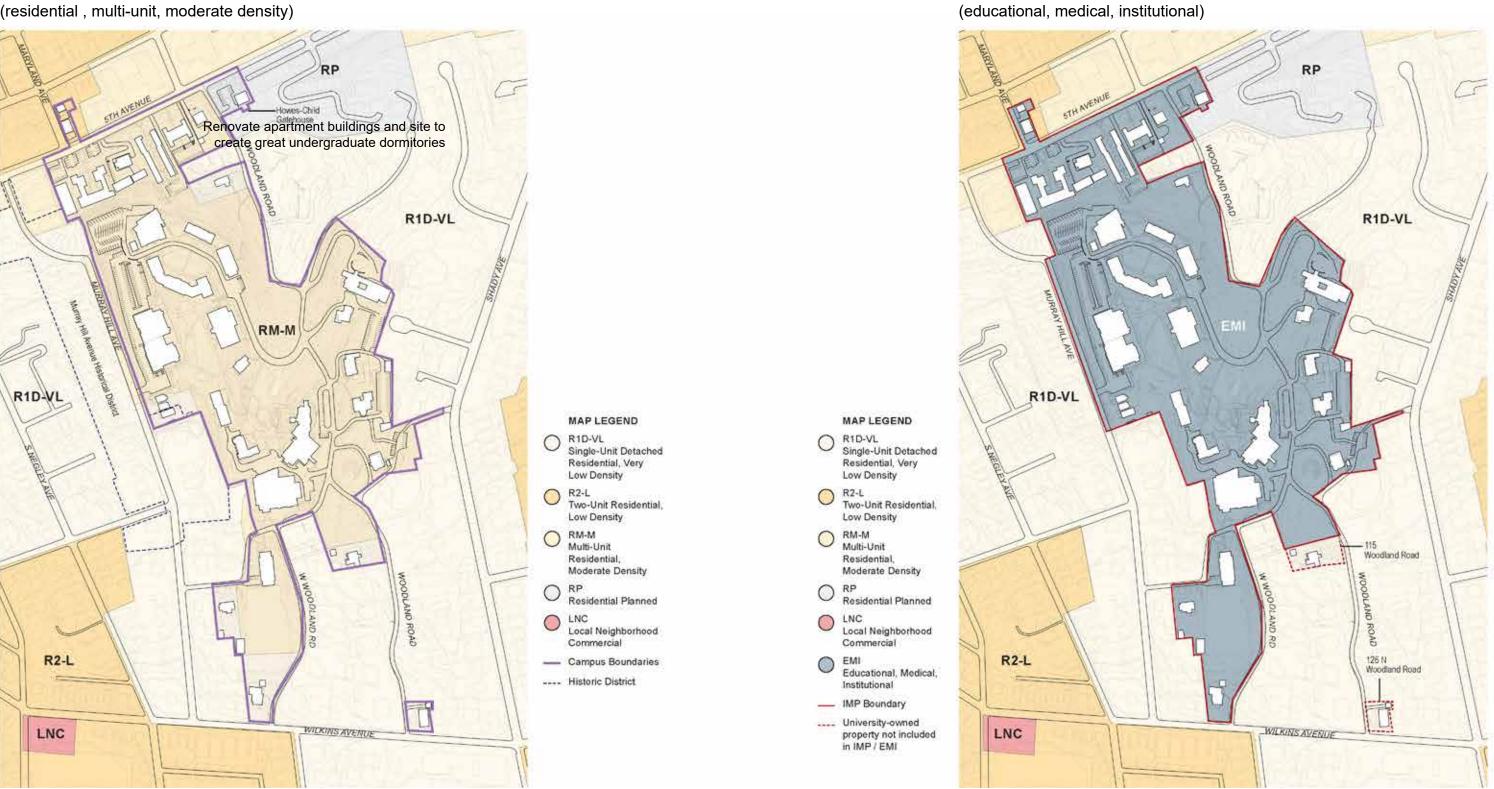
ARCHITECTURE AND URBAN DESIGN

WHY WE'RE HERE...

Aligning the zoning district designation to reflect the current use

EXISTING ZONING: RM-M

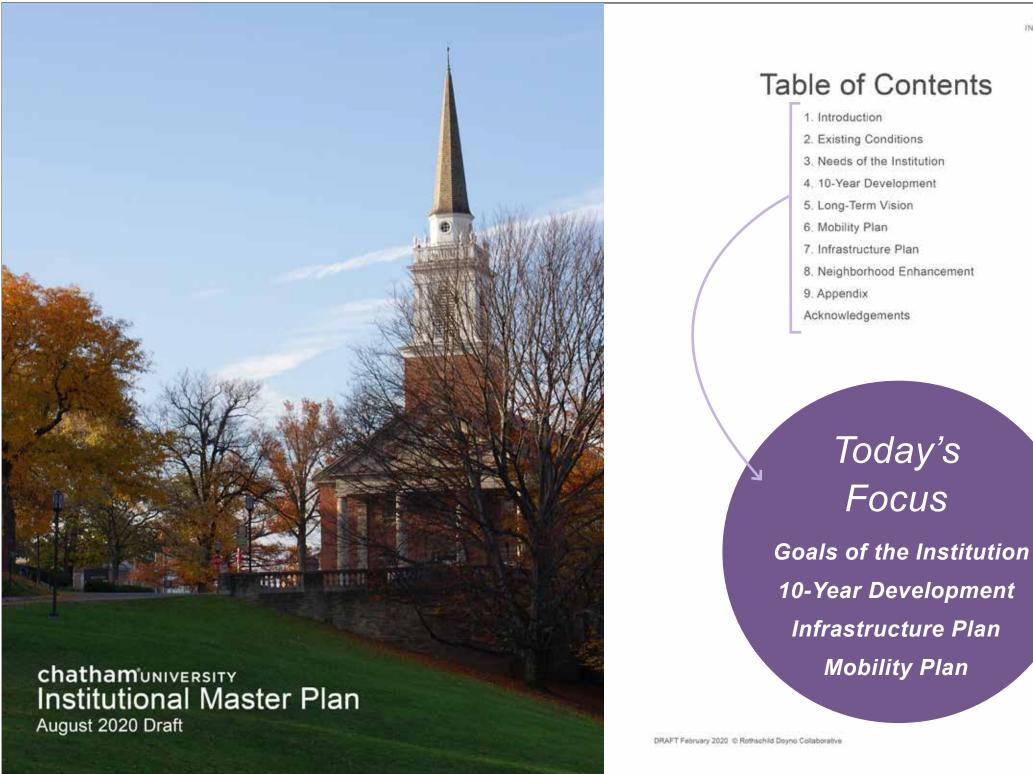
(residential, multi-unit, moderate density)



PROPOSED ZONING: EMI

INSTITUTIONAL MASTER PLAN (IMP)

IMP chapters are defined by the City of Pittsburgh, Department of City Planning Guidelines



INSTITUTIONAL MASTER PLAN

	1
1	3
3	5
3	9
6	3
6	7
7	5
8	6
9	3
9	6

CHATHAM'S MASTER PLAN

In order to sustain another 150 years of growth, innovation, and impact, Chatham has created a vision for our campus and built environment that will enhance the lives of our community members.



STRATEGIC PLAN

Chatham University's Strategic Plan is a plan for our future, rooted in our past, and inspired by our Mission and Vision.

Chatham will build upon our mission of creating educational opportunities and transforming lives through access, equity, health, and sustainability as we:

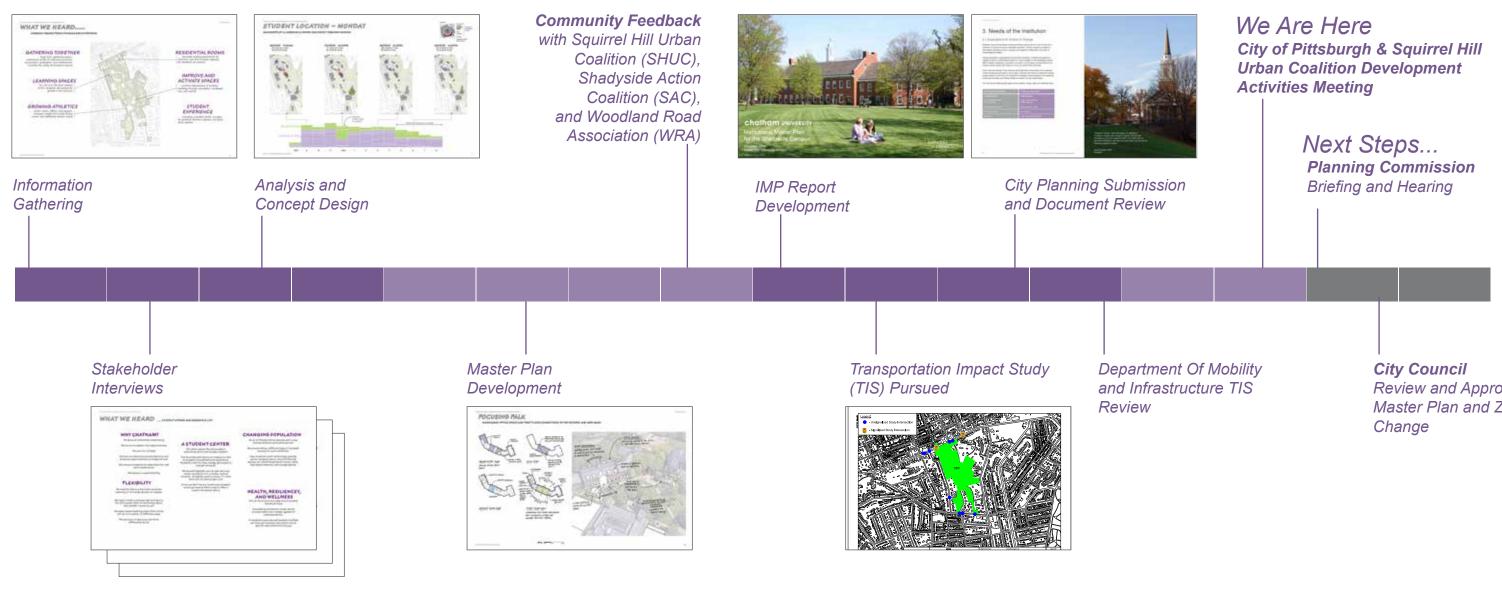
- (1) Enhance academic excellence and the student experience
- 2 Expand Chatham's leadership in sustainability and health
- (3) Improve access and affordability through innovation
- (4) Deepen partnerships for student and alumni success
- 5 Build University capacity and capabilities

Our Institutional Master Plan exists as an extension of our Strategic Plan.



MASTER PLANNING PROCESS

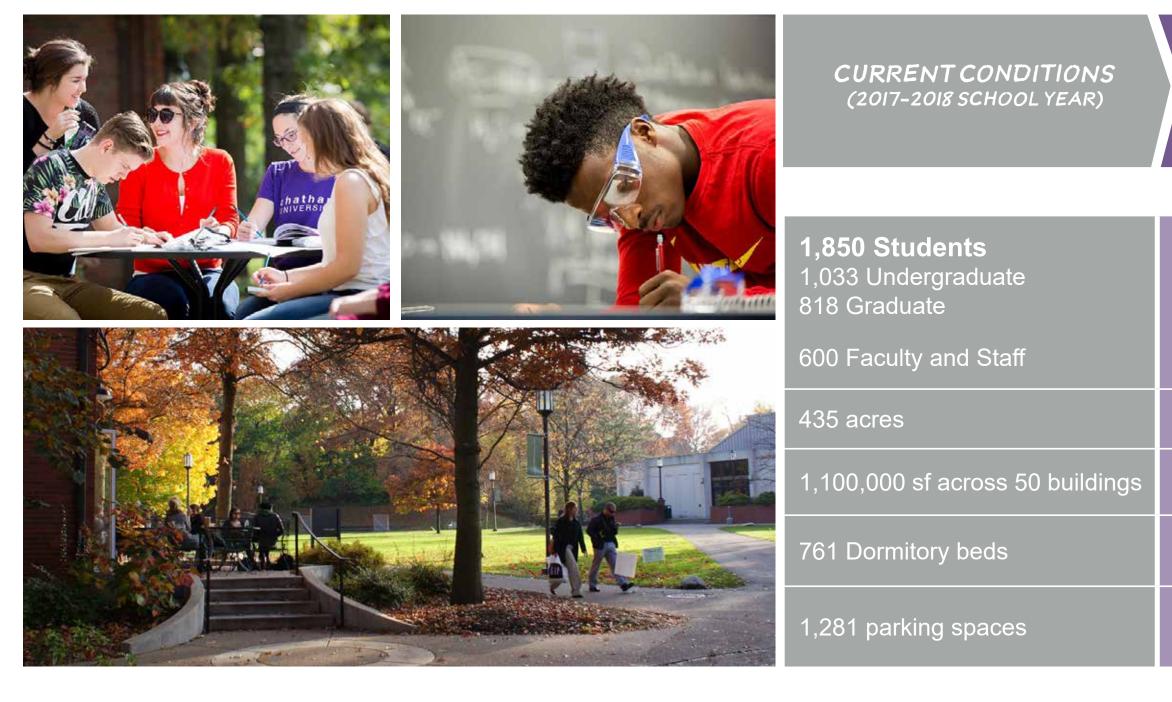
Establishing a master plan to guide future campus development under the EMI District



Review and Approval of Master Plan and Zoning

CHATHAM'S GROWTH GOALS

Continue enrollment growth over the next 10 years



IO-YEAR PROJECTION

2,400 Students 1,400 Undergraduate 1,000 Graduate

700 Faculty and Staff

(unchanged)

1,200,000 sf across 52 buildings

1,064 Dormitory beds (1,001 on Shadyside Campus)

1,292 parking spaces

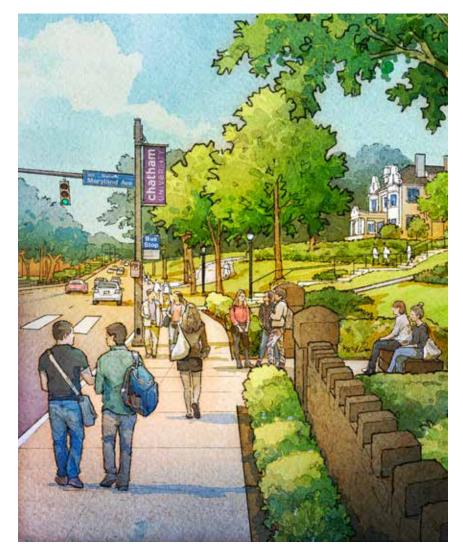
CAMPUS PLANNING CONCEPTS

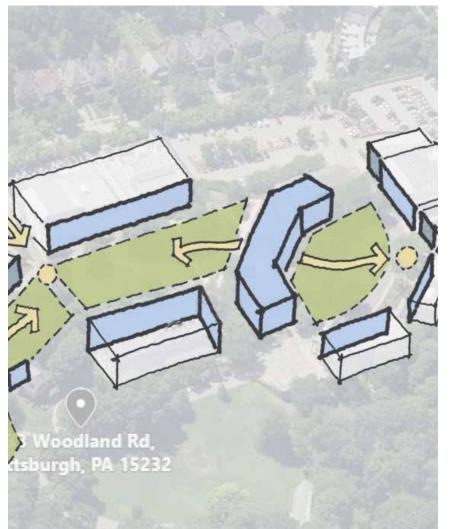
Three key themes in campus planning and design over the next 10 years

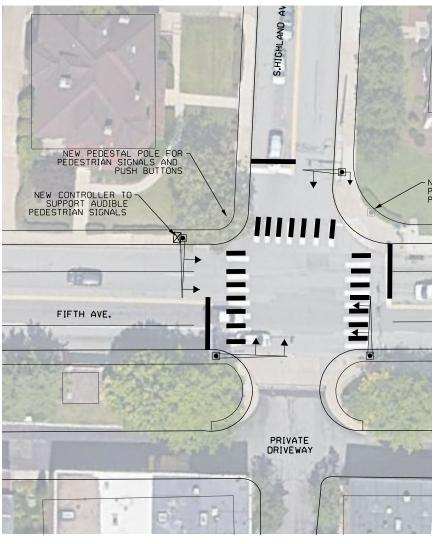
CONNECT AND ENHANCE FIFTH AVENUE

STRENGTHEN THE CAMPUS CORE

INCREASE PEDESTRIAN SAFETY AND PROMOTE ALTERNATIVE TRANSPORTATION







CONNECT AND ENHANCE FIFTH AVENUE

Improve streetscape and strengthen pedestrian connections to the Historic Quad

IOWE-CHILDS GATE HOUSE PELLETREAU APARTMENTS SBB 60 0B THOMSON HOUSE DD AD LINZER HALL BUHL SCIENCE CENTER HICKS ESTATE



CONNECT AND ENHANCE FIFTH AVENUE

Improve the pedestrian experience and bring the arboretum character to Fifth Avenue



© DEPICTION, LLC 2018

CONNECT AND ENHANCE FIFTH AVENUE

Restore the historic Thomson House at the gateway to campus



New entry

New sidewalk

STRENGTHENING THE CAMPUS CORE

Great indoor / outdoor relationships foster vibrancy



STRENGTHENING THE CAMPUS CORE

Build upon the historic campus assets while increasing indoor / outdoor connections

ENHANCE LEARNING **ENVIRONMENTS**

BOOKENDING BUHL

Increase Lab space and strengthen paths to Fifth Avenue residences

FOCUSING FALK

Open the first floor with new student activity spaces. Create new classrooms and connect the Quad.

JENNIE KING MELLON LIBRARY AND CONNECTOR

First floor renovations to create studentcentered services and classroom connector between Carriage House and Dilworth

IMPROVE AND INCREASE STUDENTHOUSING

DOUBLING DILWORTH

Increasing student activity at the center of campus by adding 75 beds

BEATTY RESIDENTIAL

Convert Beatty to a residence hall with 30 beds

FIFTH AVENUE RESIDENTIAL

Renovate apartment buildings and site to create great undergraduate dormitories



STRENGTHEN STUDENTLIFE

ANDERSON CONNECTOR:

Renovate and expand dining area in and around Anderson

AMPLIFY ATHLETICS:

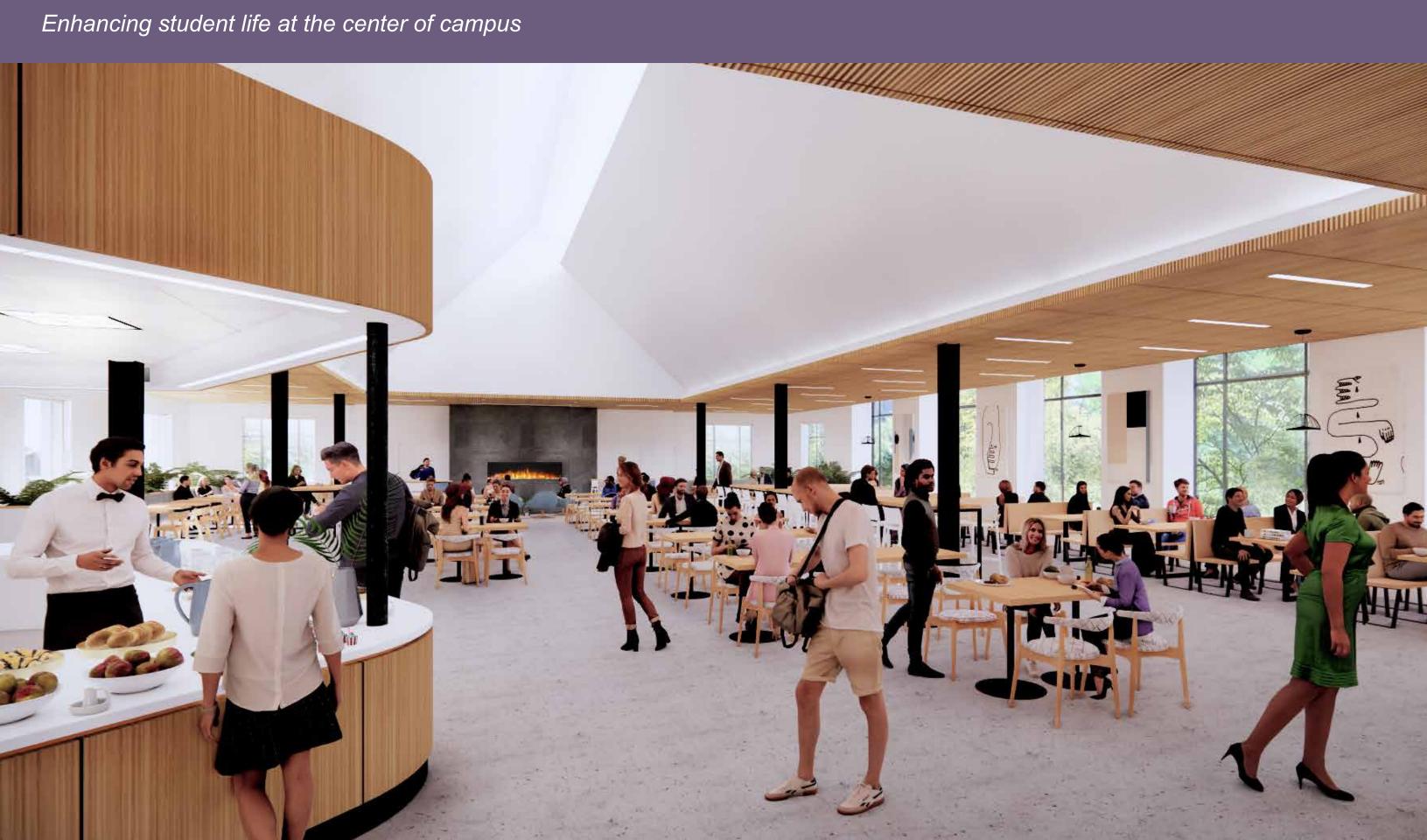
Increase athletic facilities and strengthen connection to student life amenities

CAMPUS CHARACTER AND SYSTEMS:

Improve open spaces and pedestrian connections between buildings. Improve infrastructure and systems to promote

sustainability and technology.

ANDERSON DINING HALL



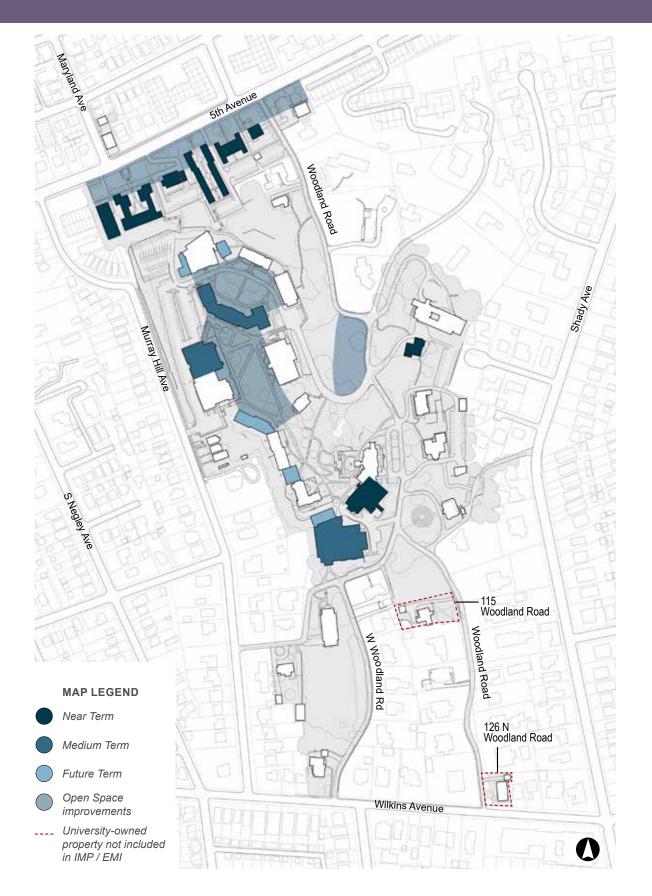
BUHL LAB EXPANSION

Increasing lab capacity and strengthening connection to Fifth Avenue housing



IMPLEMENTATION PLAN

Anticipated timeline of projects





INFRASTRUCTURE

Implementing green infrastructure to reduce the effects of stormwater

EXISTING GREEN INFRASTRUCTURE

- **Rachel Carson Memorial Garden** helps to reduce runoff towards Fifth Avenue
- Rea House Rain Barrel installation of rain barrel infrastructure to capture rooftop runoff and for watering the surrounding garden.
- **O** Permeable Paving replaced parking lot asphalt paving.
- **O** Athletic Field permits water infiltration, storage, and release after rain events.
- **B** Rain Garden installed adjacent to Dilworth Hall to reduce runoff.

POTENTIAL GREEN INFRASTRUCTURE

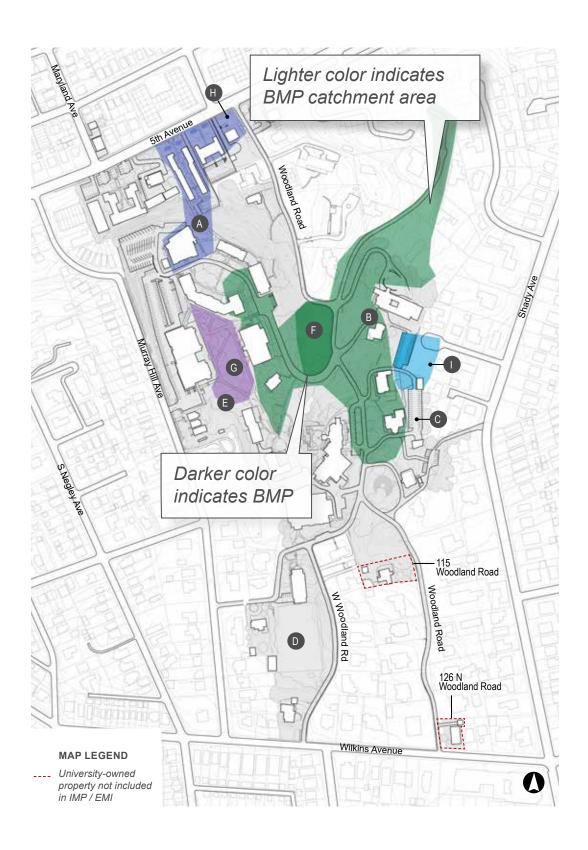
- **Chapel Hill.** Proposed BMP to include sub-catchment drain to terraced bioretention wetland in central lawn area. Part of the PWSA/Alcosan GROW program.
- **G** Quad Reconstruction. Existing area is composed of a shallow layer of soil over impermeable pavement. The goal is to remove the underlying impermeable surface and incorporate green infrastructure.
- **Fifth Avenue.** Proposed rain gardens and other BMP to address runoff from the hillside and from the Terrace Parking Lot.
- Beatty House. Opportunities for retrofitting parking lots with permeable paving and complementary rain gardens.



Proposed Chapel Hill BMP



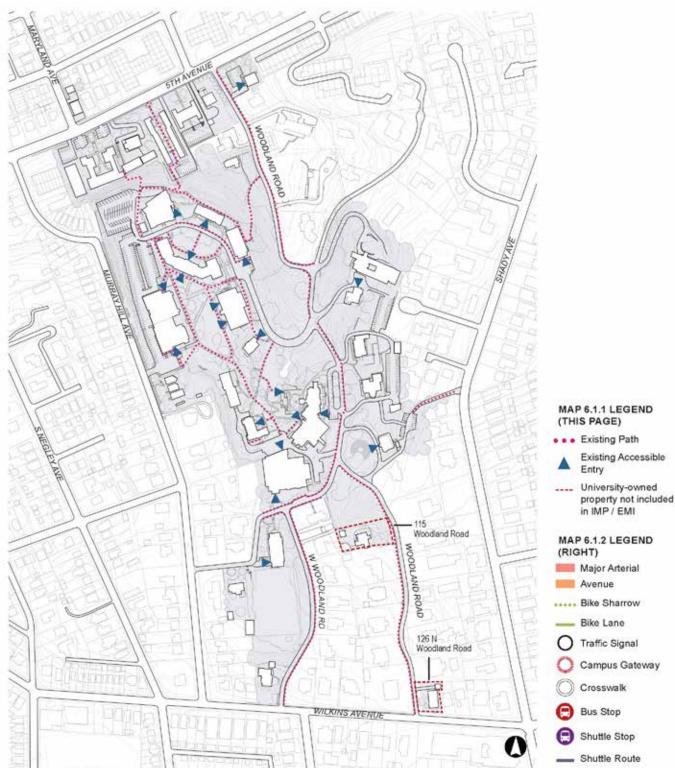
View of Chapel Hill from the Campbell Memorial Chapel



EXISTING MOBILITY INFRASTRUCTURE

Understanding pedestrian and vehicular circulation

EXISTING PEDESTRIAN CIRCULATION



EXISTING VEHICLE, BUS, SHUTTLE, AND BIKE CIRCULATION

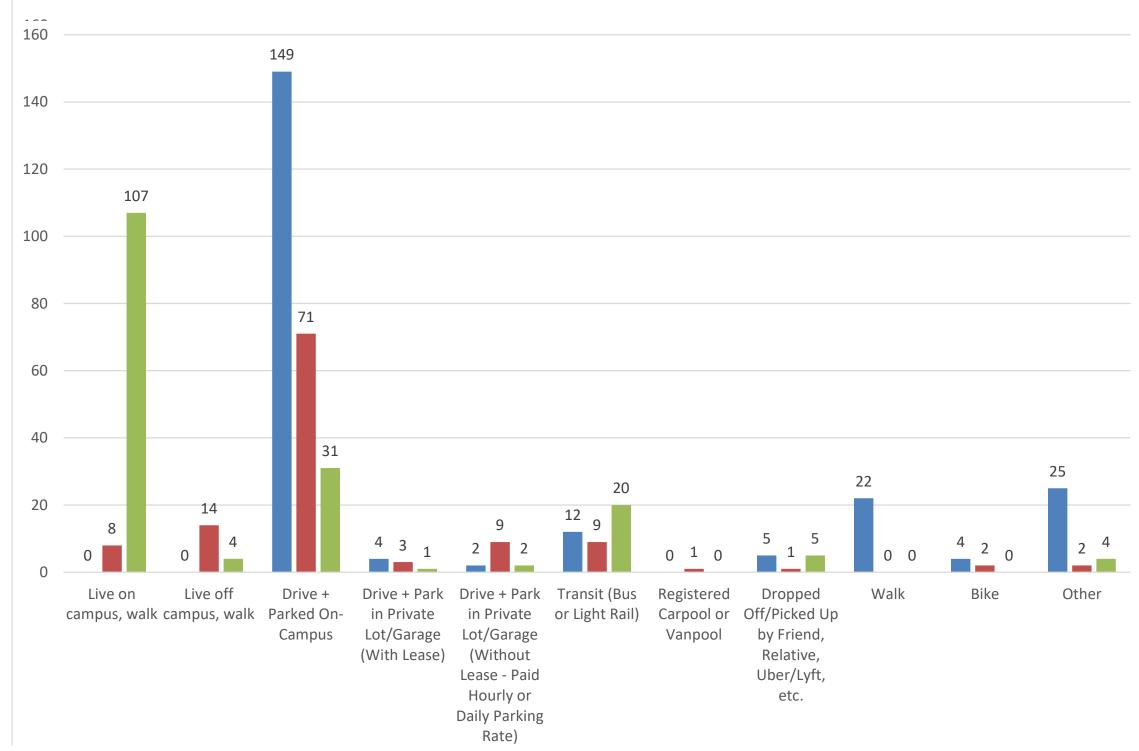


EXISTING COMMUTING PATTERNS

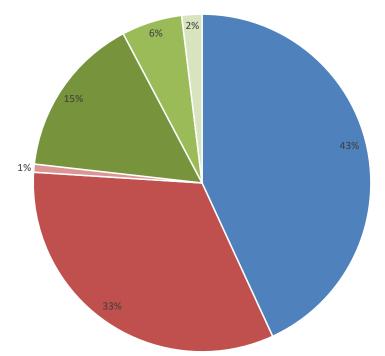
Transportation survey results

TRANSPORTATION SURVEY

■ Employee ■ Graduate ■ Undergraduate



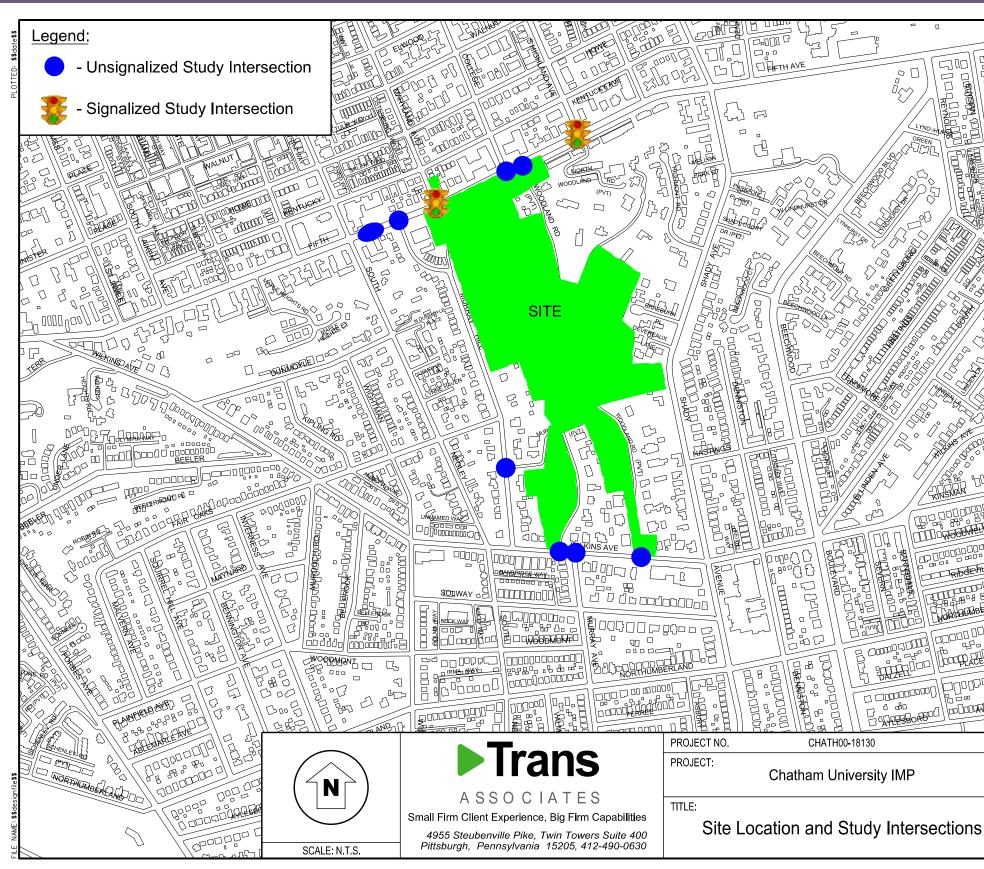
SURVEY PARTICIPANTS 517 Responses



- Employees
- Undergraduate, part time
- Graduate student, evening program
- Undergraduate, full time
- Graduate student, daytime
- Graduate student, other (full time, part time

STUDY INTERSECTIONS

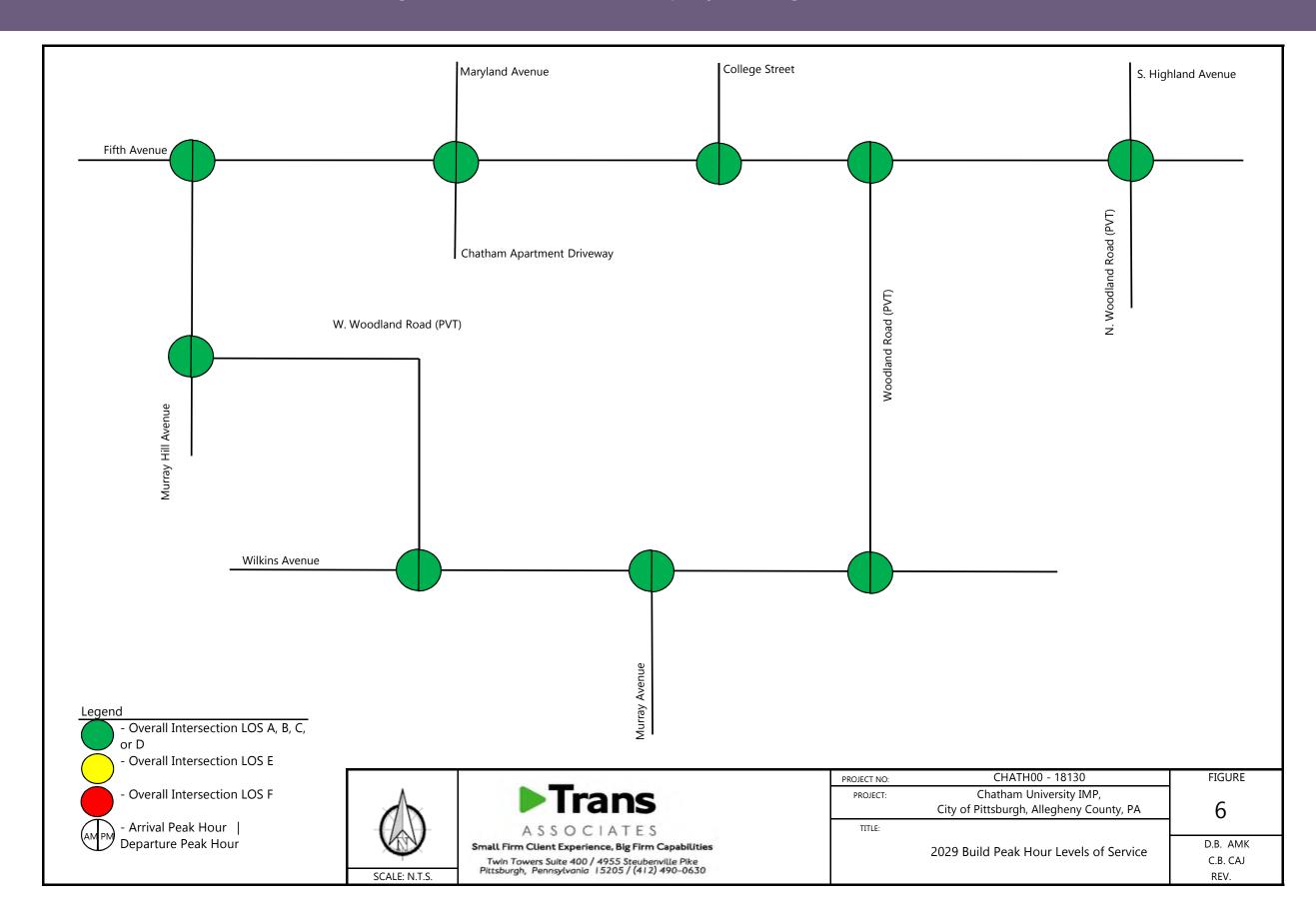
Capturing traffic flow and volume at peak times





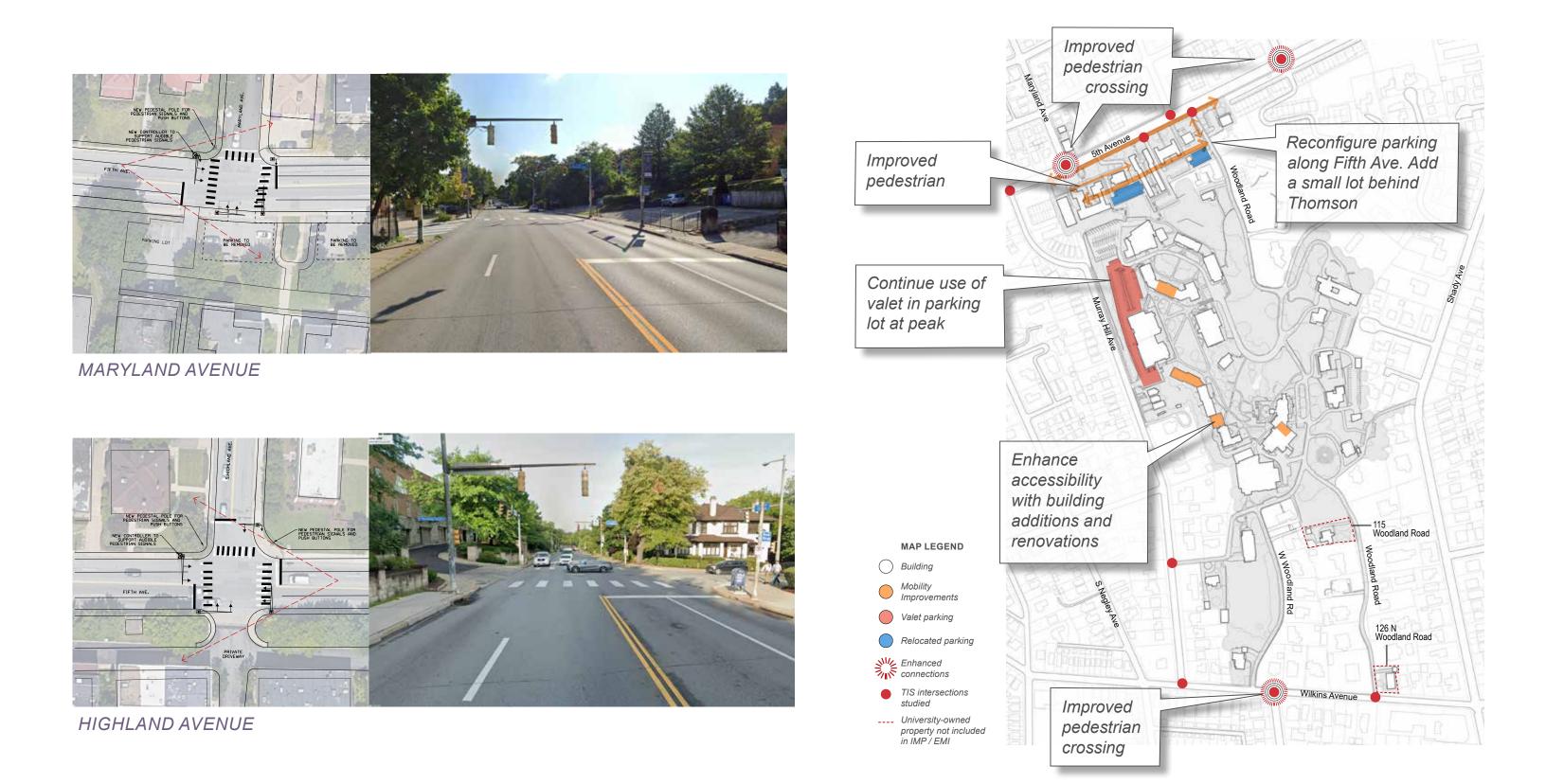
PROJECTING INTERSECTION CAPACITY

In 2029 intersections continue to have a high level of service with projected growth



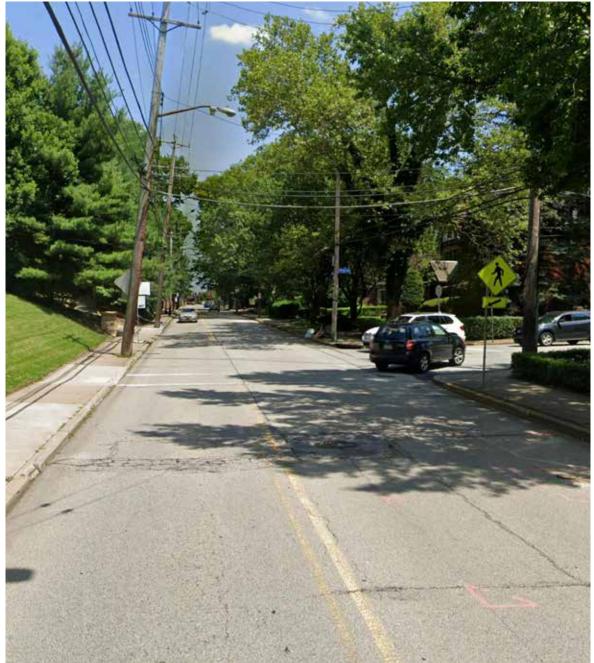
PROPOSED MOBILITY STRATEGIES

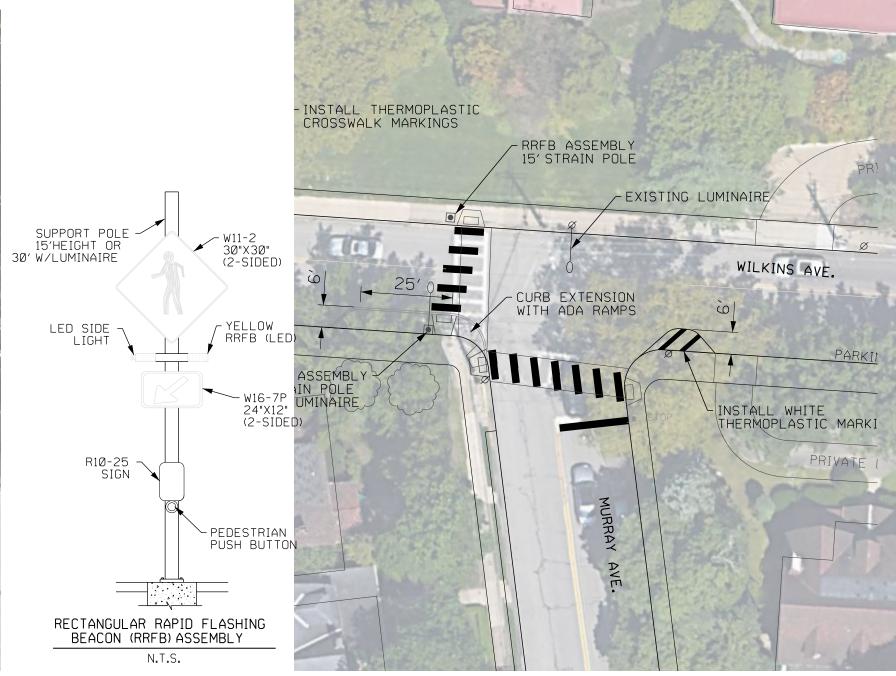
Enhance safety, increase connections, and reduce vehicular traffic



MURRAY AND WILKINS RECOMMENDATIONS

Pedestrian signal, curb extension, and crosswalks





DEMAND MANAGEMENT Promoting alternative transportation through activities and incentives

TDM Stra

I. Prohibit freshman students from p

. Limit the number of employee leas . Establish a wait list for parking lea Provide electric vehicle charging space . Provide (more) electric vehicle cha . Limit the number of student leases . Establish a wait list for parking lease 8. Provide free transportation passes Allegheny County to all employees a 9. Use valet parking in the lots for pe 10. Offer rideshare/carpool/vanpool (coordinate with Southwestern Penn 11. Promote increased biking to cam campus bicycle parking, bicycle roon station(s). 12. Provide (additional) telecommut employees (such as Zoom-type meet 13. Evaluate modifications to the class number of classes scheduled at one 14. Implement Bike to Work program and bike repair shop to all participar 15. Add more secure bike parking loo 16. Create a shuttle app with real tim Begin to incorporate Port Authority 17. Appoint a TDM coordinator whose - Provide information on TDM mea and students (during new employed employee meetings, student body email/newsletter/website).

- Prepare report for submission to to on reduction of single occupant vel

Establish and maintain access via website to provide information on
Administer shuttle service.

	Implementation?	
ategy	Current TDM	Future TDM
parking on campus.	\checkmark	\checkmark
ases sold/issued per semester.	\checkmark	\checkmark
ases for employees.	\checkmark	\checkmark
spaces on the campus.	\checkmark	\checkmark
arging spaces.	\checkmark	\checkmark
es sold/issued per semester.	\checkmark	\checkmark
ases for students.	\checkmark	\checkmark
s for the Port Authority of and students.	\checkmark	\checkmark
eak demand times.	\checkmark	\checkmark
l matching for employees nsylvania Commission).		\checkmark
mpus, related to (increased) on- m, additional Healthy Ride	\checkmark	\checkmark
ting opportunities for etings).	\checkmark	\checkmark
ass schedule to decrease the e time.		\checkmark
m - Chatham provides free bike nts.	\checkmark	\checkmark
ocations.		\checkmark
ne GPS tracking of shuttles. of Allegheny County routes.	\checkmark	\checkmark
ose responsibilities include: asures available to employees ee/student orientation, general meetings, via the City documenting progress ehicles periodically. The Chatham University TDM measures available.		V

THANK YOU!

Today's presentation and the draft master plan will be posted at www.chatham.edu/masterplan

chathamUNIVERSITY

environment that will enhance the lives of our community members.

impact, chamann nas createu a vision ior our campus anu bunt

Institutional Research
Office of the President
Awards & Accolades
History
Board of Trustees
Strategic Plan
Master Plan
Sanger Hall
Juliger Hull
Accreditation
Accreditation

Our master plan exists as an extension of our Strategic Plan.

Developed over a two-year period with input from a variety of campus and external stakeholders, our new Master Plan serves as the foundation for the expansion and evolution of Chatham's Pittsburgh campus in the years to come. Our campus plan aims to not only accommodate the Chatham community but the greater Pittsburgh community as a whole, taking into account resource priorities and academic goals.

We're excited to share the possibilities of Chatham's next era with you here.

View Master Plan Draft (Aug 2020)

View Summary Presentation (Sept 2020)

View the Campus Presentation (March 2019)

www.<u>chatham.edu/</u> <u>masterplan</u>