





Public Space

Rain Protection Analysis

rain on
1/3
class days!

90
days of rain
on average
from Nov to
March

Legend

-  Covered outdoor spaces
-  13th Ave. corridor
-  Building entries
-  Transit stops





Rain Protection Analysis

Most rain protection is not directly associated with 13th Avenue

No protection from the rain in places where people most like to stay

Many building entrances that could activate spaces don't have rain protection

Legend

-  Covered outdoor spaces
-  13th Ave. corridor
-  Building entries
-  Transit stops

Gehl 12 Quality Criteria

Protection

<p>Protection against traffic & accidents — feeling safe</p> <ul style="list-style-type: none"> • Protection for pedestrians and cyclists • Eliminating fear of traffic • Safe crossings 	<p>Protection against crime & violence — feeling secure</p> <ul style="list-style-type: none"> • Lively public realm • Allow for passive surveillance • Diversity of functions 24/7/365 • Well lit / lighting in human scale 	<p>Protection against unpleasant sensory experiences</p> <ul style="list-style-type: none"> • Wind/draft • Rain/snow • Cold/heat • Pollution • Dust, noise, glare
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Comfort

<p>Opportunities to walk/cycle</p> <ul style="list-style-type: none"> • Room for walking • Interesting facades • No obstacles • Good surfaces • Accessibility for everyone 	<p>Opportunities to stop & stay</p> <ul style="list-style-type: none"> • Attractive & functional edges • Defined spots for staying • Objects to lean against or stand next to • Facades with good details that invite staying 	<p>Opportunities to sit</p> <ul style="list-style-type: none"> • Defined zones for sitting • Pleasant views, people watching • Good mix of public and café seating • Resting/waiting opportunities
<p>Opportunities to see</p> <ul style="list-style-type: none"> • Reasonable viewing distances • Unhindered views • Interesting views • easy orientation • Lighting (when dark) 	<p>Opportunities to talk & listen</p> <ul style="list-style-type: none"> • Low noise levels • Public seating arrangements conducive to communicating, 'talkscapes' 	<p>Opportunities for play & exercise</p> <ul style="list-style-type: none"> • Allow for physical activity, exercise, play & street entertainment • Temporary activities (markets, festivals, etc) • By day and night • In summer and winter

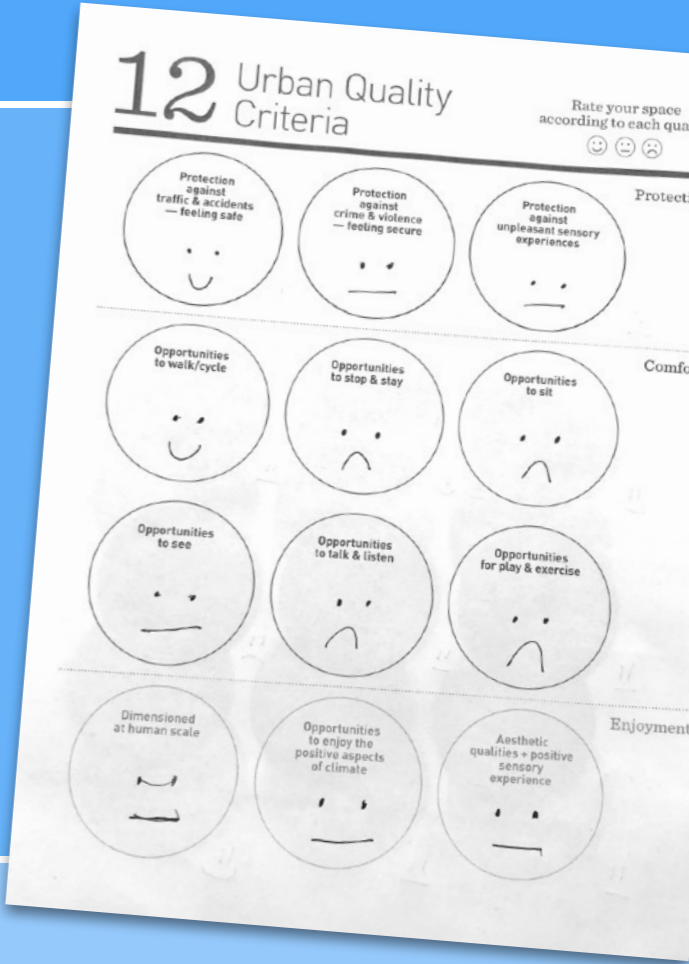
Enjoyment

<p>Dimensioned at human scale</p> <ul style="list-style-type: none"> • Dimensions of buildings & spaces in observance of the important human dimension in relation to senses, movements, size and behavior 	<p>Opportunities to enjoy the positive aspects of climate</p> <ul style="list-style-type: none"> • Sun/shade • Heat/coolness • Shelter from wind/breeze 	<p>Aesthetic qualities + positive sensory experience</p> <ul style="list-style-type: none"> • Good design and detailing • Good materials • Fine views/vistas • Rich sensory experiences: trees, plants, water
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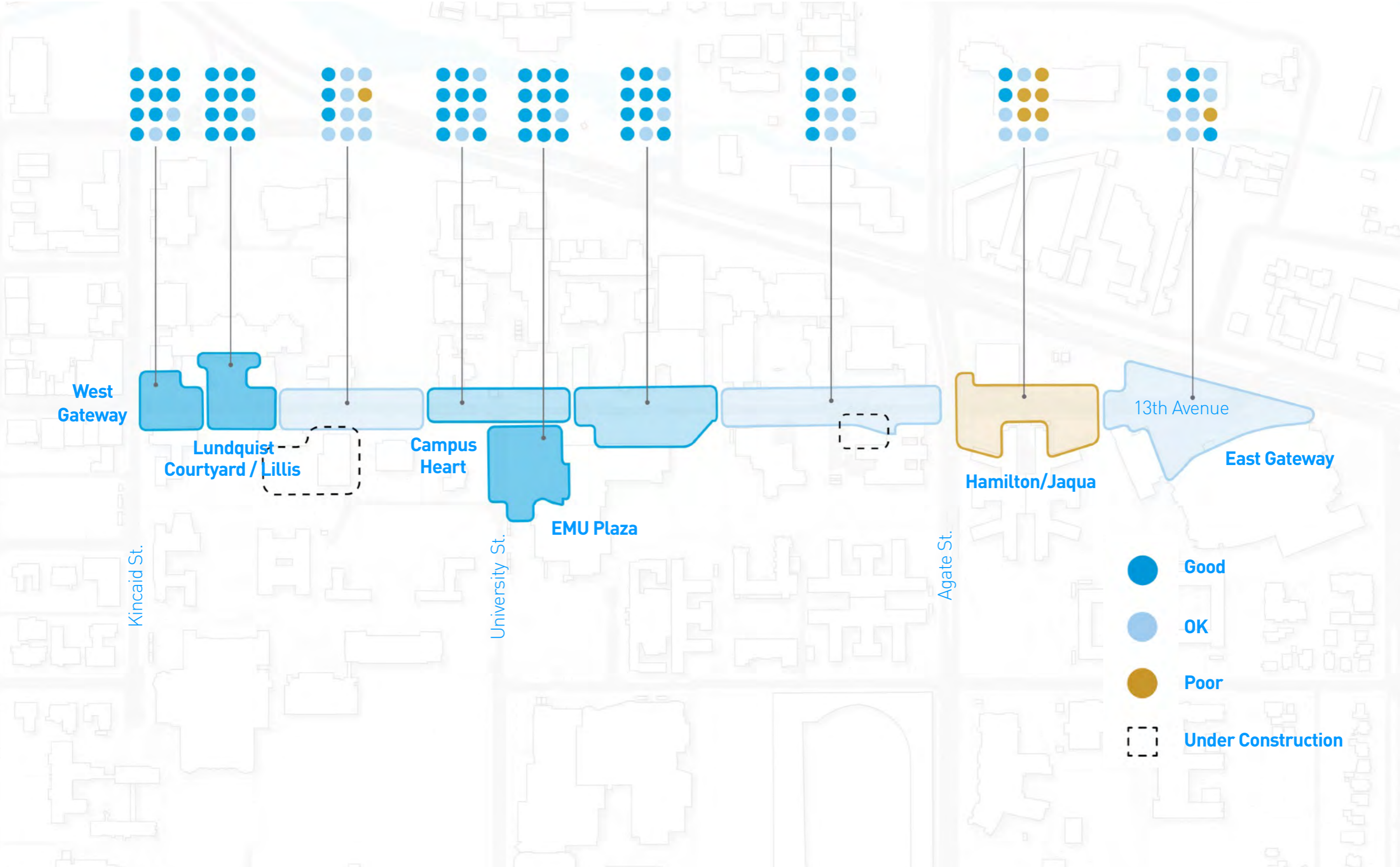
Must have these

...without these, no one will stay...

...these are the difference between good and great places



Spatial Quality Along 13th Avenue



Lillis Business Complex Plaza

Protection

Accidents/
crashes

Crime &
violence

Sensory
exp.

Protection against:

Comfort

walk /
bike

Stop &
stay

Sit

Opportunities to:

See

Talk and
listen

Play &
exercise

Enjoyment

Human
scaled

Good
micro-
climate

Nice
aesthetic
qualities

A welcoming living room, with good edges and invitations to stay

Kincaid St.

University St.

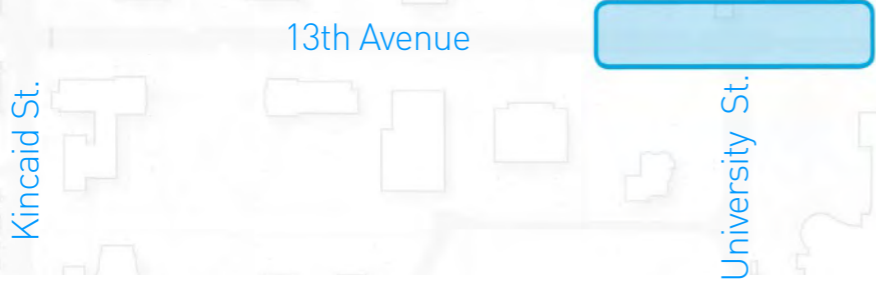
13th Avenue

- Safe to walk and bike - protected from traffic
- Minimal shelter from the rain
- Good enclosure - feels like a room
- Places to sit and people watch
- Good social distances



13th at Campus Heart (University St.)

A movement heart and a key junction, needs more invitations to stay



- Protected from traffic, but prone to crowding and conflicts with bikes
- Some shelter from the rain and sun
- Space has unclear boundaries
- People-watching gold! Without many opportunities to stay and do so.

Protection

Protection against:

- Accidents/crashes
- Crime & violence
- Sensory exp.

Comfort

Opportunities to:

- walk / bike
- Stop & stay
- Sit
- See
- Talk and listen
- Play & exercise

Enjoyment

- Human scaled
- Good micro-climate
- Nice aesthetic qualities



Hamilton Hall / John E. Jaqua Academic Center



Protection

Accidents/
crashes

Crime &
violence

Sensory
exp.

Protection against:

Comfort

walk /
bike

Stop &
stay

Sit

Opportunities to:

See

Talk and
listen

Play &
exercise

Enjoyment

Human
scaled

Good
micro-
climate

Nice
aesthetic
qualities

13th Avenue

Agate St.



- Space is not well defined or activated by architecture
- Almost no protection from elements
- Few opportunities to stop and stay - just in front of Jaqua (barely)
- Heavier presence of vehicles in the space

Introverted architecture and a landscape that prioritizes vehicles

Facade Quality Analysis



Vibrant

- Small units with many doors
- High transparency
- No vacant or passive units
- Lots of Character
- Good articulation, materials and details



Active

- Relatively small units
- Some transparency
- Few passive units
- Some articulation and detail



Dull

- Large units with fewer doors
- Low transparency
- Some passive units
- Few or no details

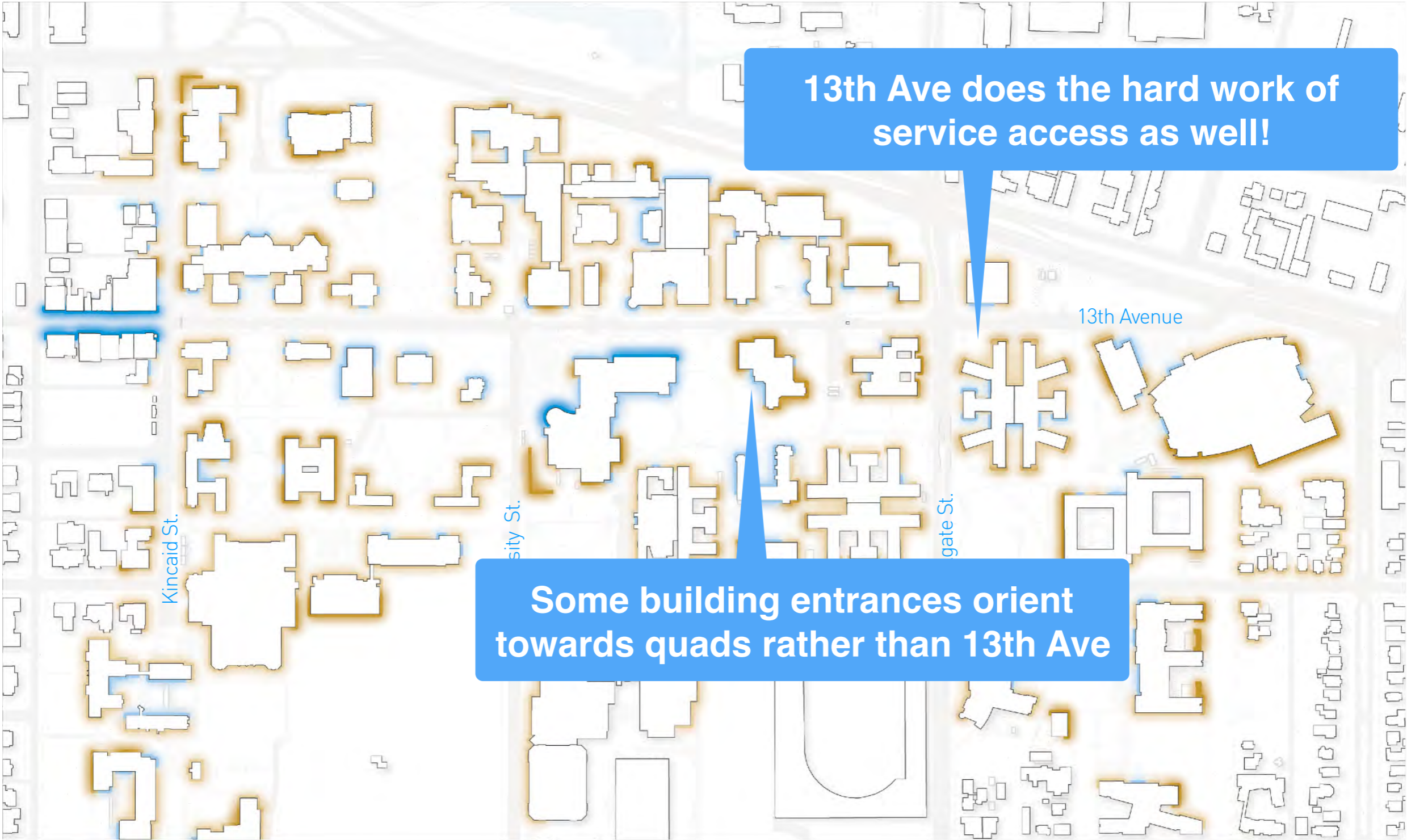


Inactive

- Large units with few doors
- Very little or no transparency
- Uniform facades with no details or nothing to look at

Facade Quality Analysis

- █ Vibrant
- █ Active
- █ Dull
- █ Inactive



It's not all about active facades!
Students need a variety of open spaces



The campus landscape can also create invitations to stay - but it needs some key ingredients



Campus landscape quality



Spatially Defined



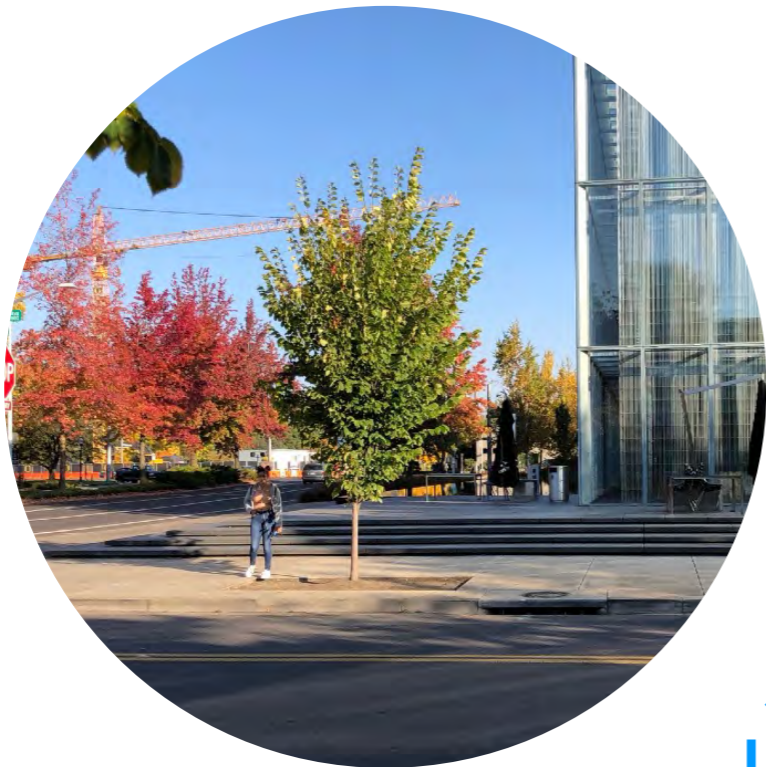
Defined by landscape

or

Defined by architecture

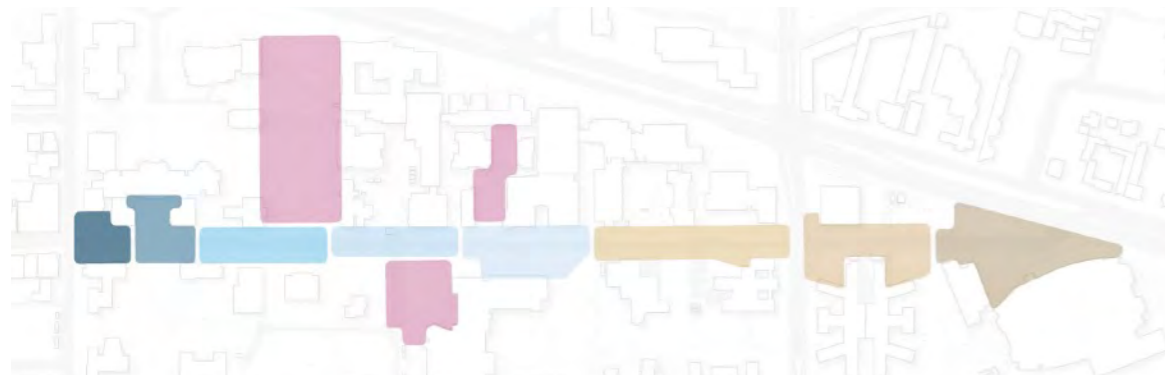
Fewer Invitations to Stay

More Invitations to Stay



Spatially Undefined



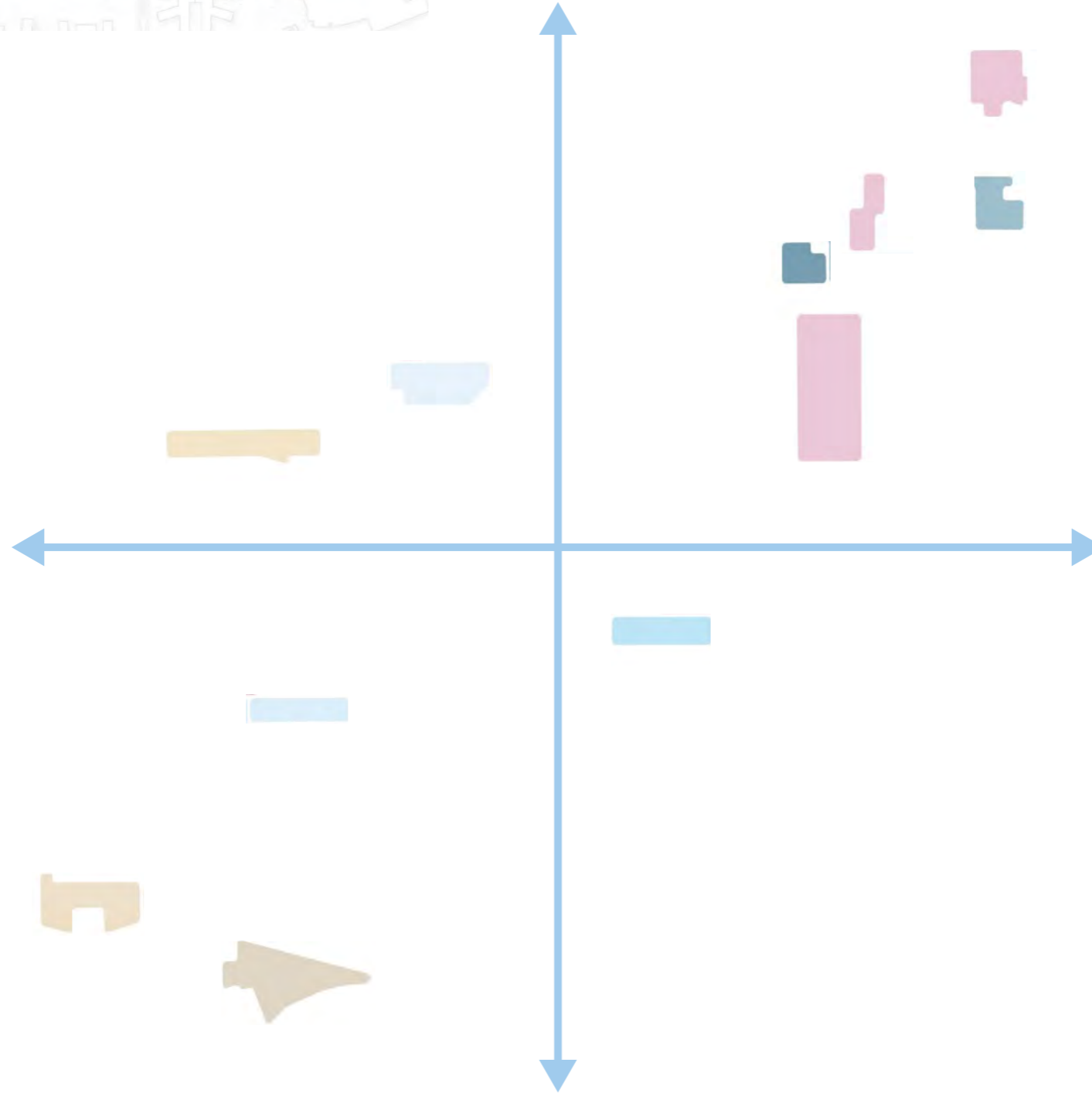


**Spatially
Defined**

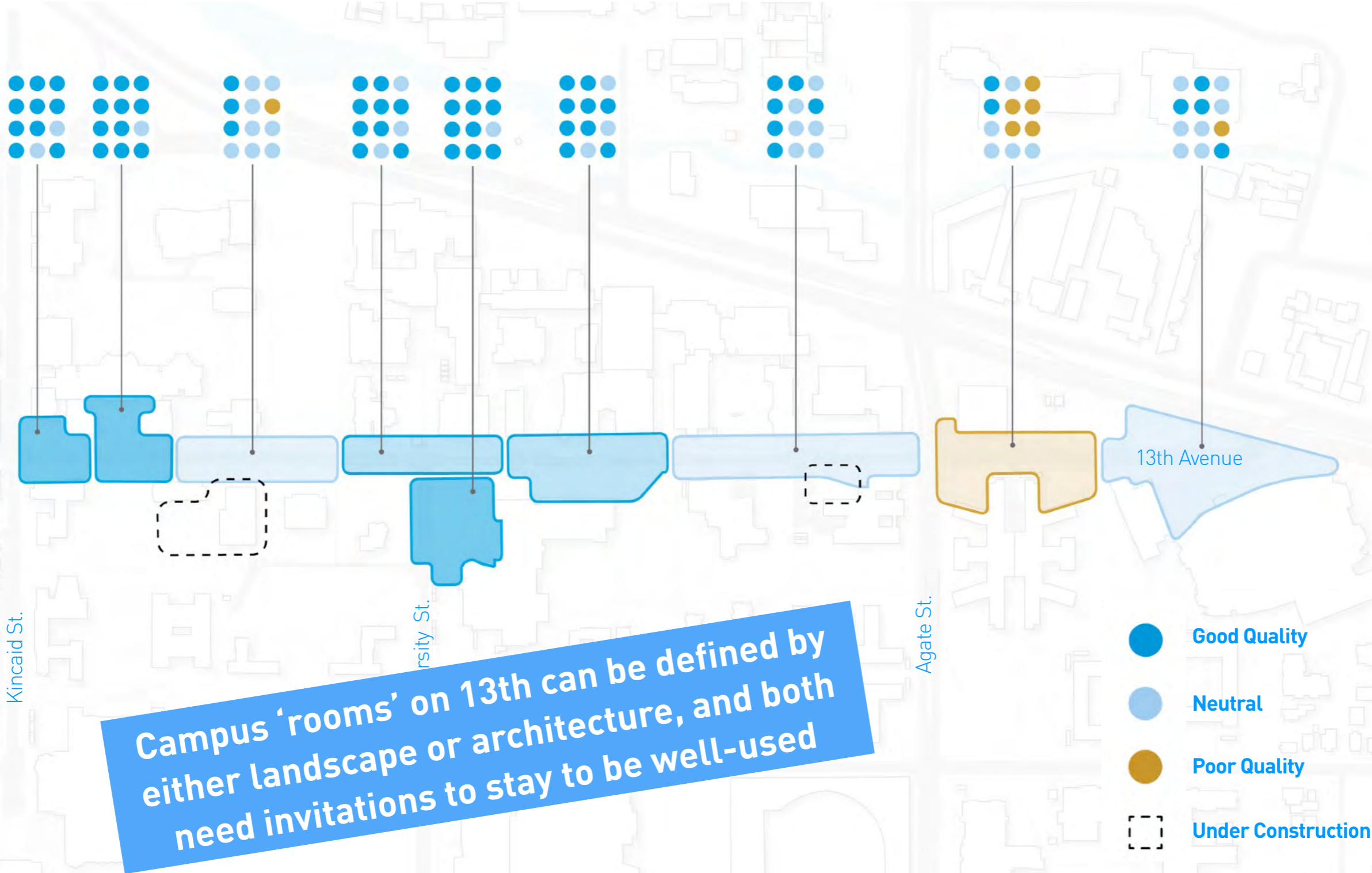
**Fewer Invitations
to Stay**

**More Invitations
to Stay**

**Spatially
Undefined**



12 Quality Criteria Along 13th Avenue



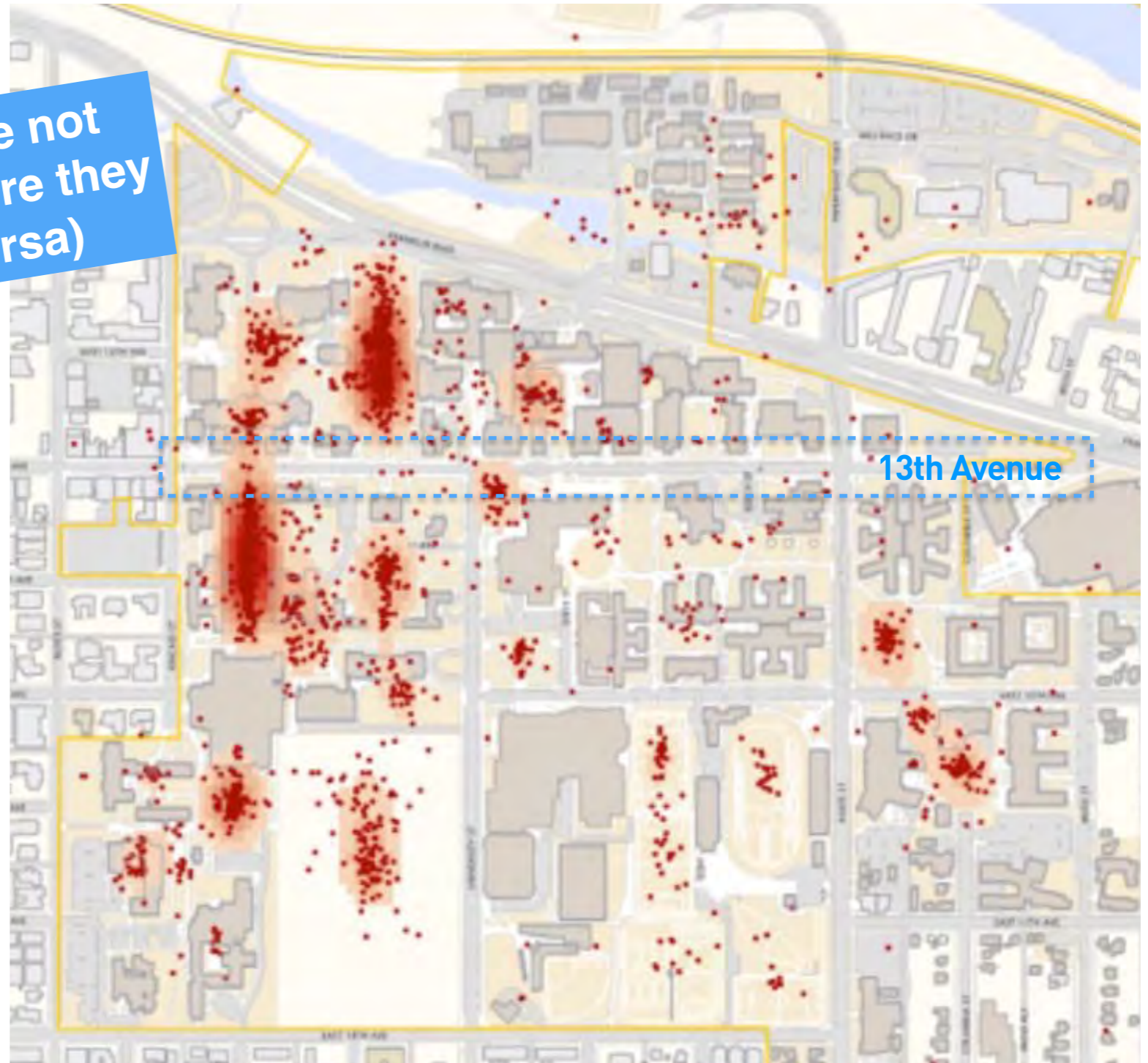
My Campus Survey

Spring 2015

Students were asked:

'What are your favorite outdoor spaces?'

The spaces people like are not necessarily the spaces where they spend time (and vice versa)



Public Life



Public Life is the social activity that takes place in everyday public spaces -- on streets, in parks and plazas, and in spaces between buildings.

Its what a people create together when they live their lives outside of their home, school, workplace and car.

Moving



Studying

PETERSON HALL



Staying Warm



Bonding



Saying Goodbye



Being alone



Waiting



Campaigning



Soliciting



Performing



There are lots of activities on campus.
Is anything missing from public life?



Public life is dynamic



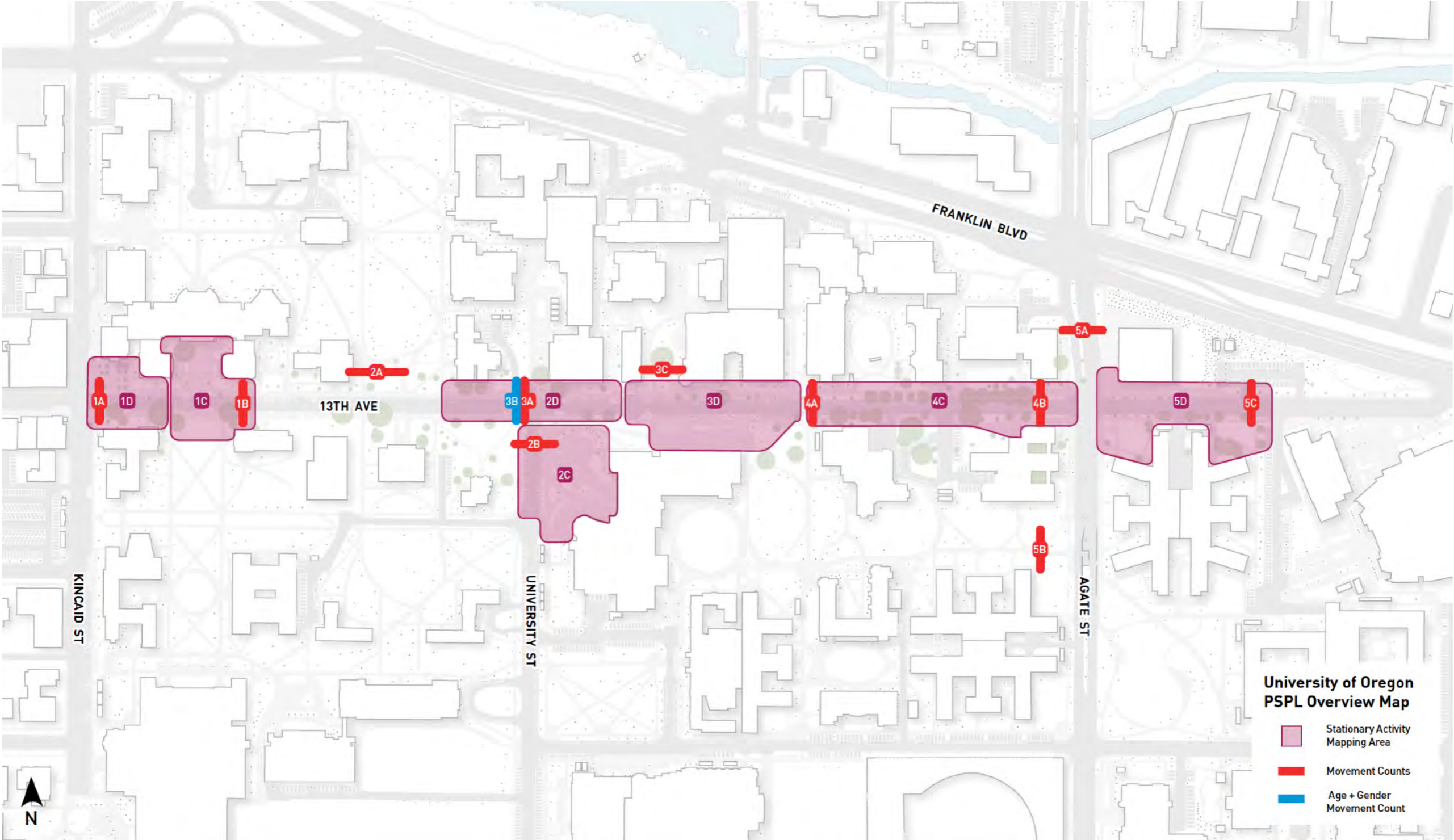
How does the design of 13th Ave support the pulses of activity?



**At U of O it is
resilient**

**People are moving on 13th no matter what.
Are they being invited to stay?**

PSPL Survey Overview Map





Training Day, October 17th: How to Study Public Life





750 Pages of Data Collection

AGE + GENDER OF PEOPLE MOVING

PEDESTRIANS, CYCLISTS, PEOPLE ON WHEELS — COUNT FOR 10 MINUTES

NAME: WY PITTS DATE: 10/18

TIME START: 3:11 p TIME STOP: 3:22 p MICROCLIMATE: Warm, Sunny

NOTES:

AGE	MALE PRESENTING	FEMALE PRESENTING	UNSURE
0-4 (strollers/toddlers)	NO GENDER DISTINCTION		
5-14 (kids)			
15-24 (teen/ high schoolers/young adults)			1
25-64 (adults)			15
65+ (seniors)		2	1
CYCLISTS (any kind)		32	
ON WHEELS (people on scooters, skateboards etc.)		8	

LOCATION: E 13th Ave at University St ID: 3B

PROCEDURE: COUNT FOR 10 MINUTES

MODE OF PEOPLE MOVING

PEDESTRIANS, CYCLISTS, PEOPLE ON WHEELS — COUNT FOR 10 MINUTES

NAME: Alison Graver DATE: 10/18

TIME START: 1:13 TIME STOP: 1:23 MICROCLIMATE: Mostly shade

NOTES:

MODE CATEGORIES	TALLY	TOTALS
WALKING/ RUNNING (use your clicker)		443
ON BIKE (use your clicker)		37
WALKING WITH BIKE	1	1

MODE CATEGORIES	TALLY	TOTALS
SUPPORTED (e.g. in wheelchair, using a walking cane, or other)		0
SKATEBOARD		8
SCOOTER		0
VEHICLES (any kind)	pickup w/ no caberney truck 1/1	3
OTHER (make note)		0

LOCATION: E 13th Ave at Chapman ID: 1B

MAP: ANSTETT

PROCEDURE: COUNT FOR 10 MINUTES

Gehl

MAPPING STATIONARY PEOPLE - INDIVIDUAL COUNT

POSTURE, ACTIVITIES, GENDER AND AGE — THE COUNT IS A SNAP-SHOT

DATE: 10-18-18 LOCATION: E 13th Ave at Kincaid St ID: 1D

NAME: Alison Graver

TIME START: 1:42

MICROCLIMATE: Mostly shade

NOTES: 10 = Food cart workers

SHEET # OF #

ACTIVITIES	MALE	FEMALE	AGE
1	1	1	1
2	1	1	3
3	1	1	2
4	1	1	2
5	1	1	2
6	1	1	2
7	1	1	1
8	1	1	1
9	1	1	1
10	1	1	1
11	1	1	1

PROCEDURE: COUNT FOR 10 MINUTES

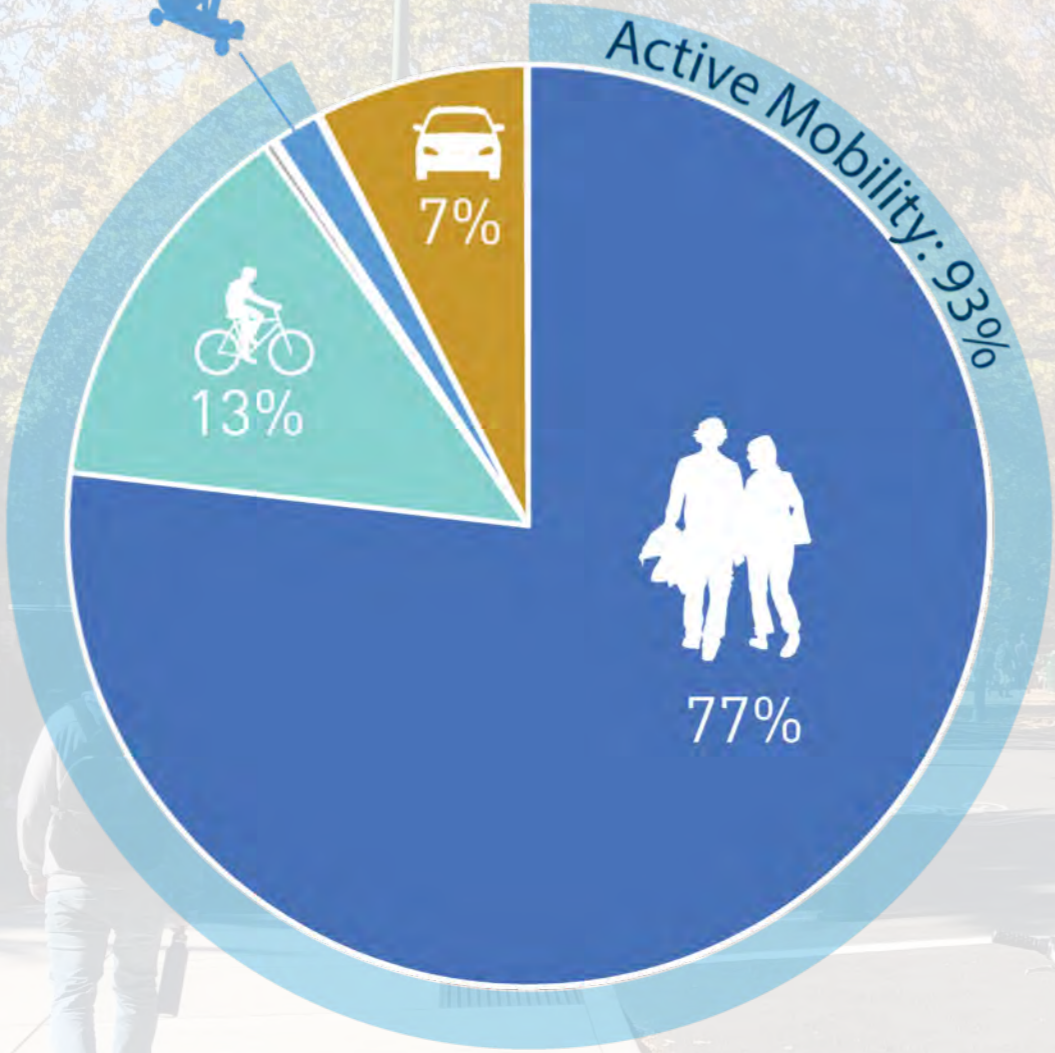
Gehl

People Moving

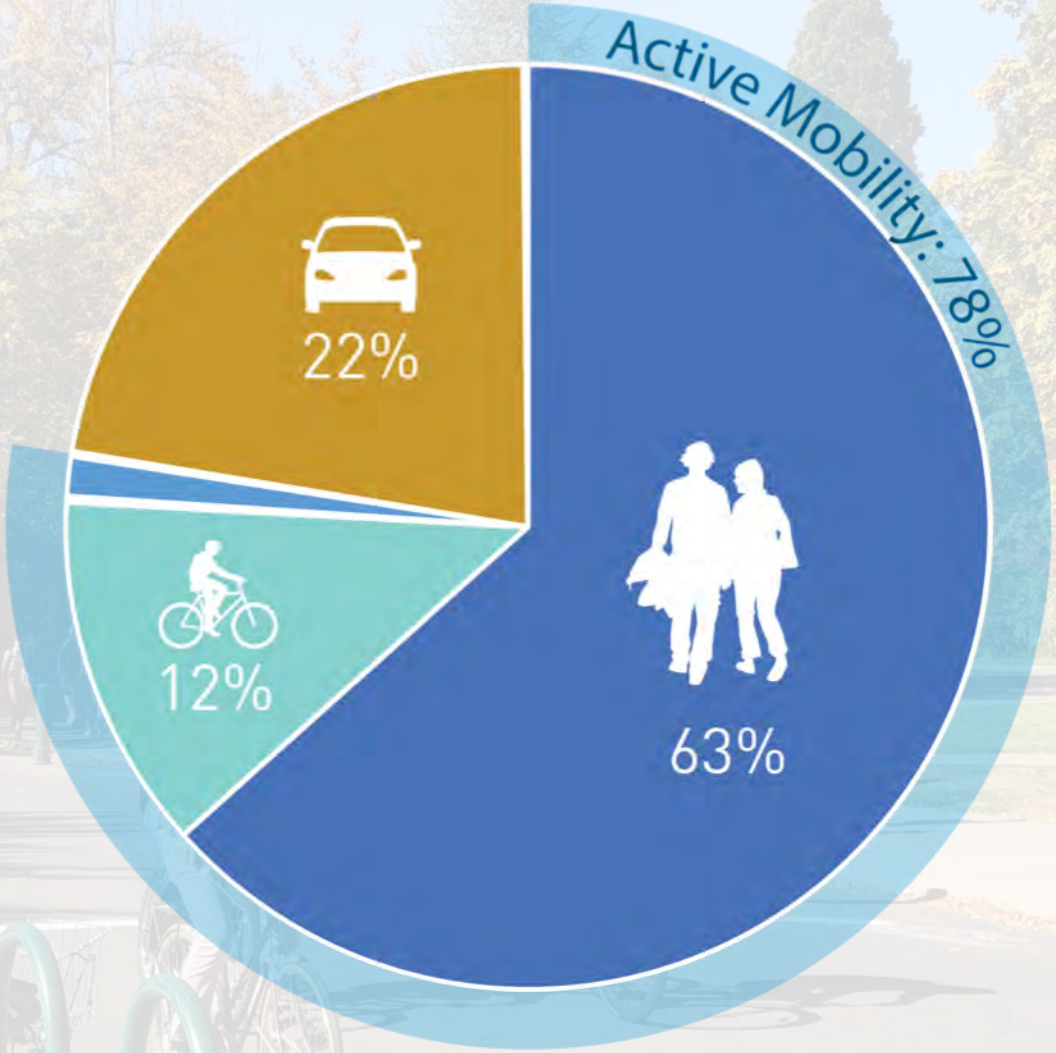


Total moving counts on 13th

13th Avenue is a street for people!

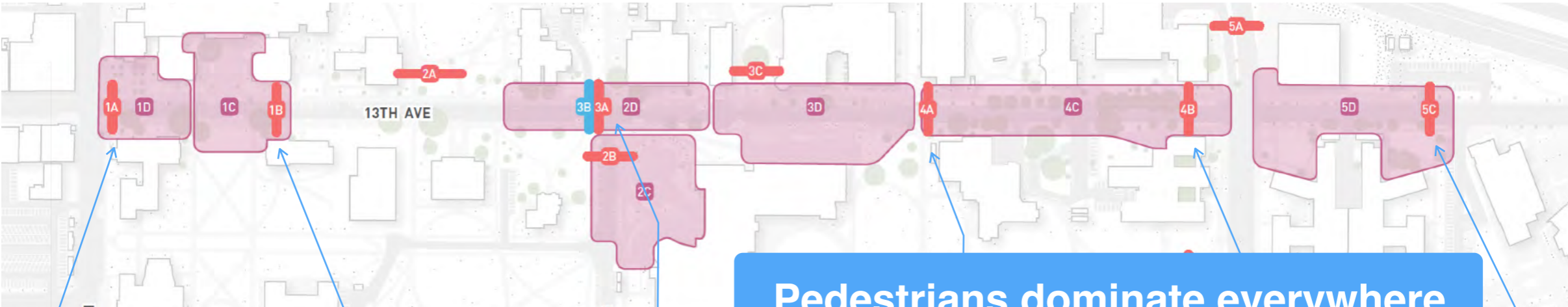


Thursday

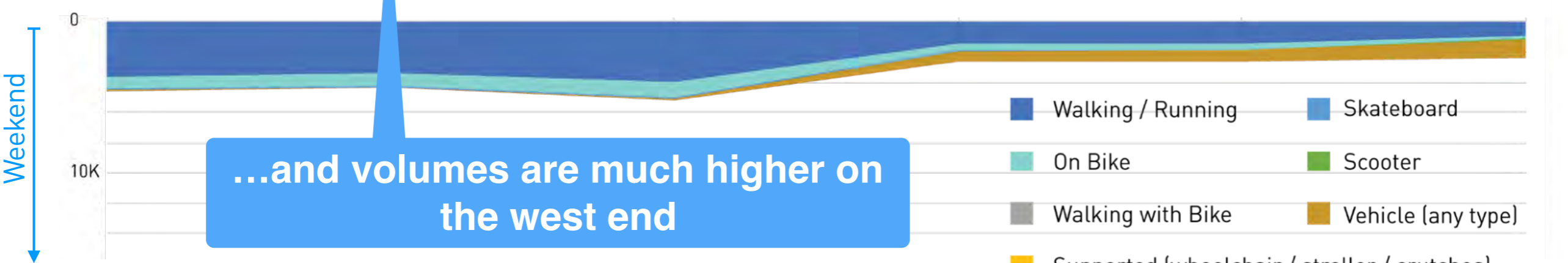
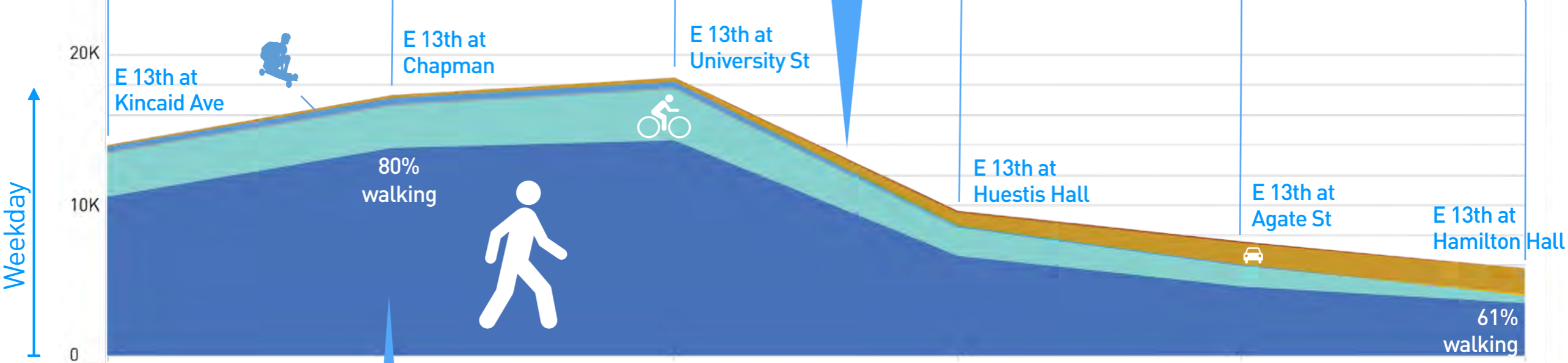


Saturday

Moving counts by location



Pedestrians dominate everywhere on 13th Avenue...



...and volumes are much higher on the west end

- Walking / Running
- On Bike
- Walking with Bike
- Supported (wheelchair / stroller / crutches)
- Skateboard
- Scooter
- Vehicle (any type)

Moving counts vs. space

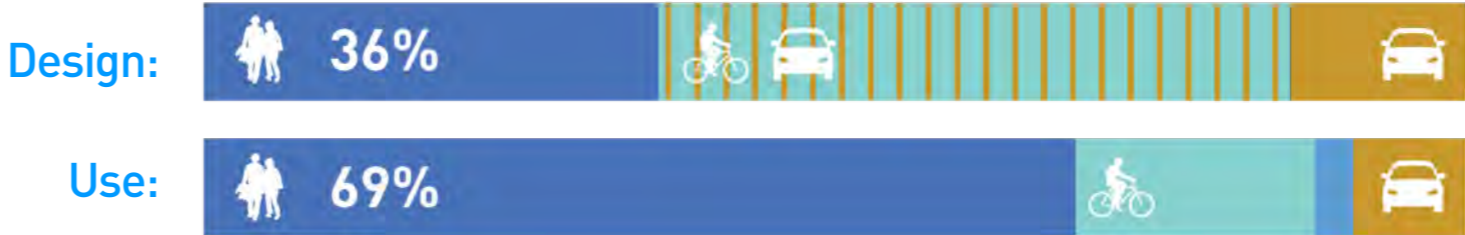
...but the corridor's design doesn't match its use



13th at University St.



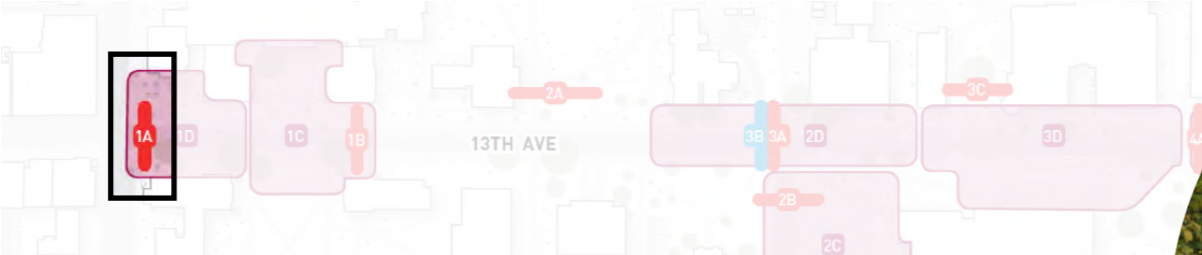
13th at Huestis Hall



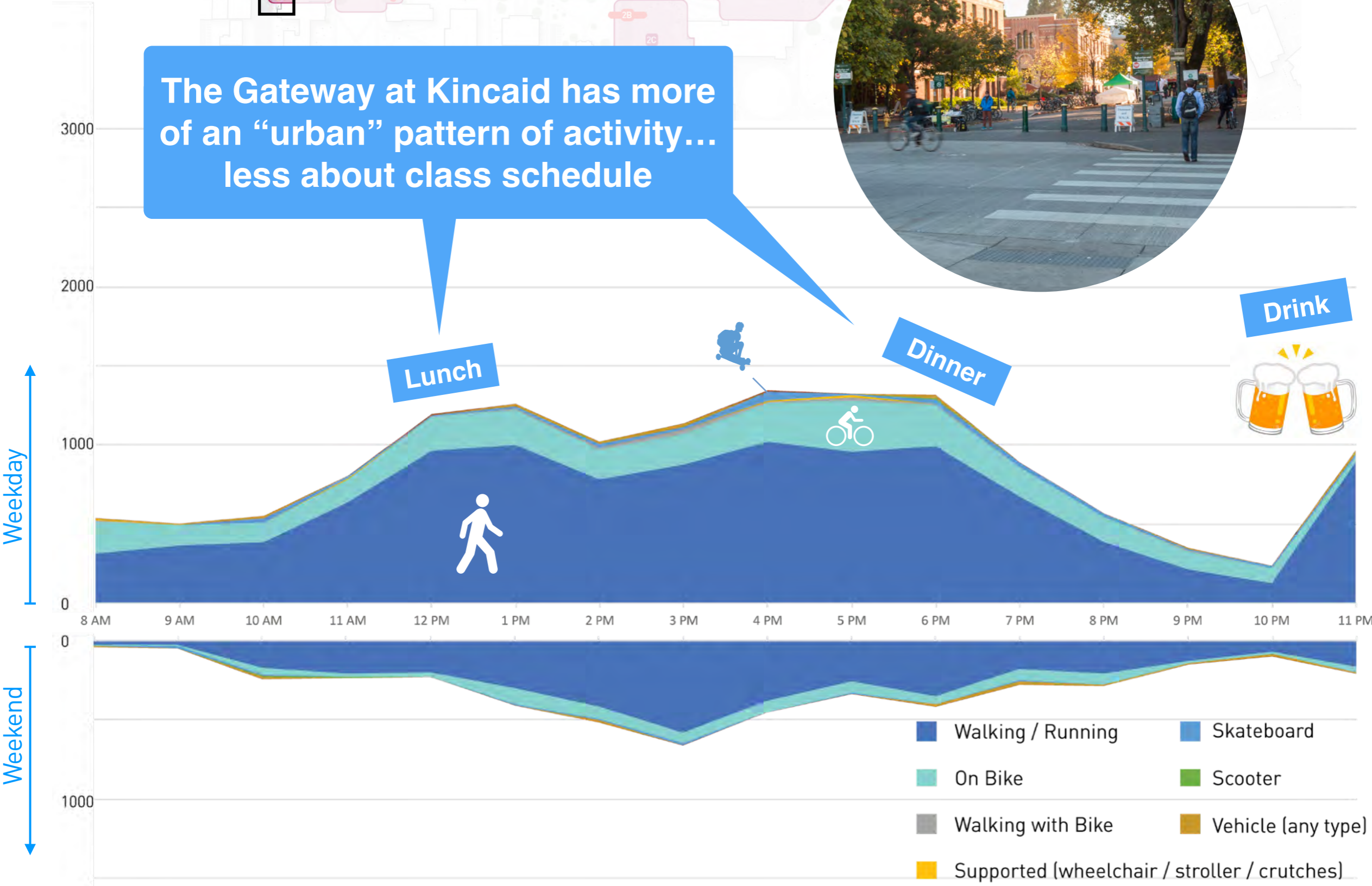
13th at Hamilton Hall



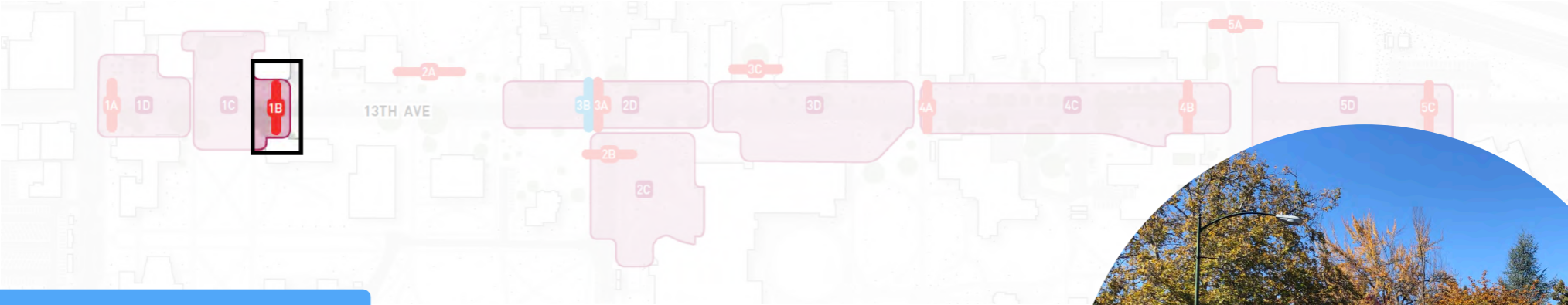
E 13th at Kincaid Ave



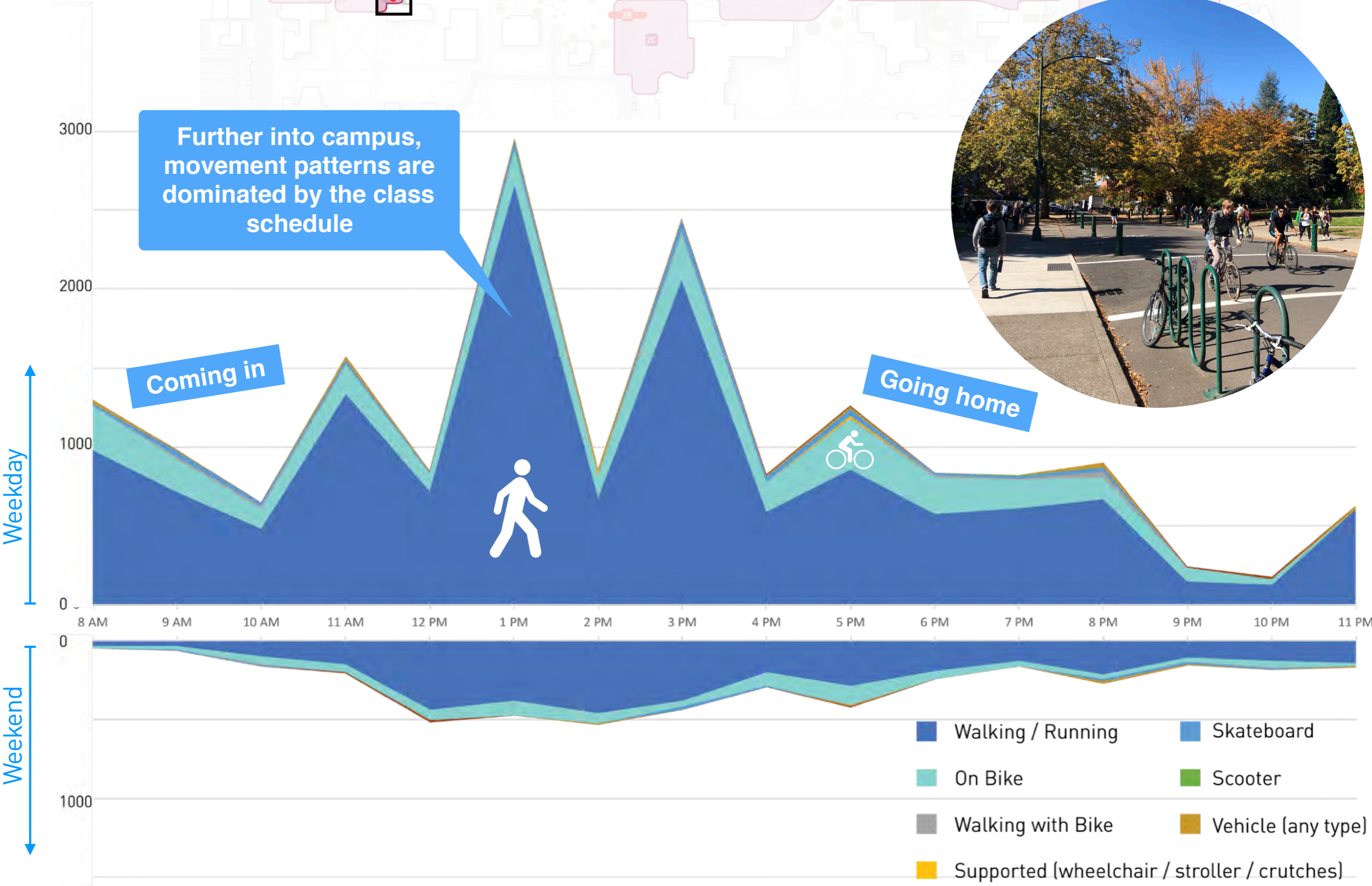
The Gateway at Kincaid has more of an “urban” pattern of activity... less about class schedule



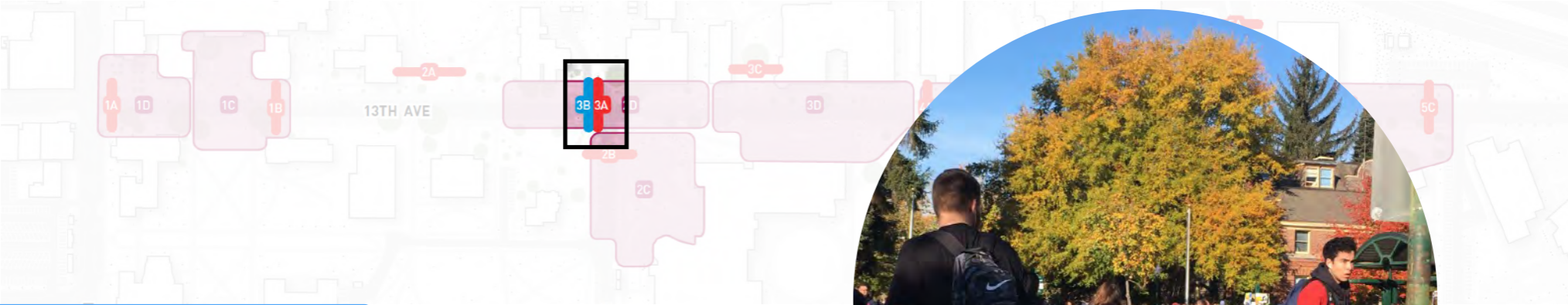
E 13th Ave at Chapman



Further into campus, movement patterns are dominated by the class schedule



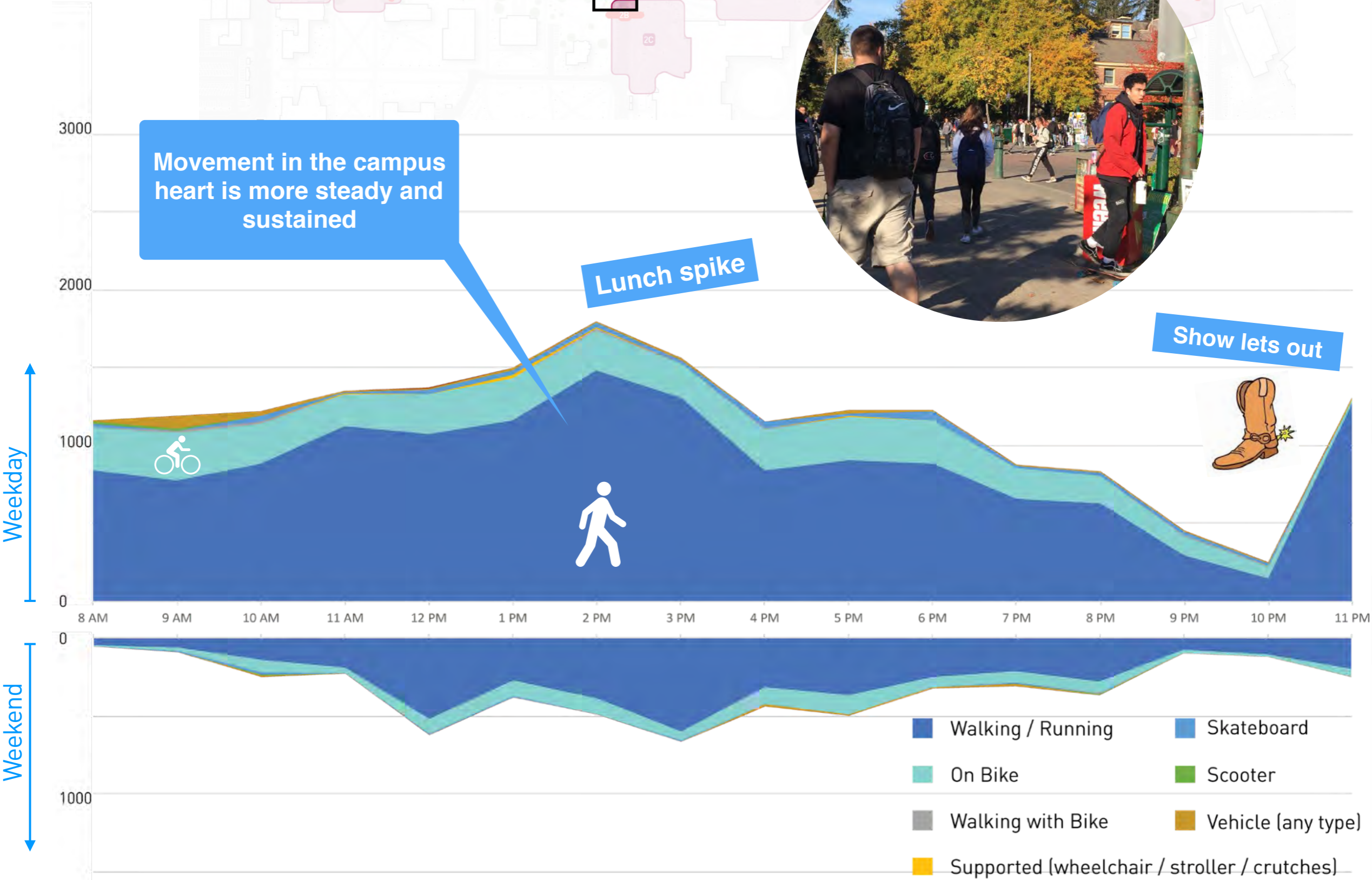
E 13th Ave at University St



Movement in the campus heart is more steady and sustained

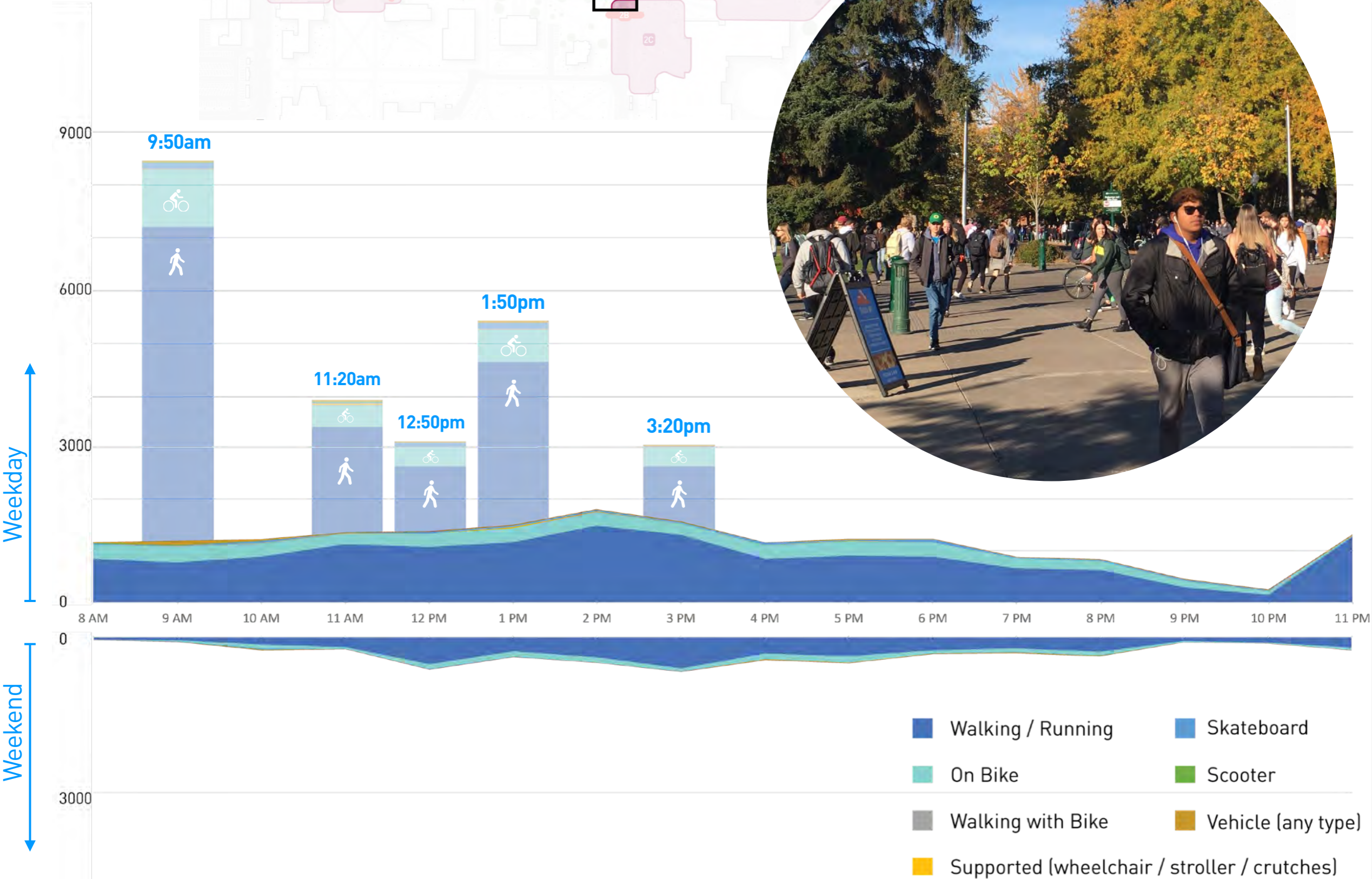
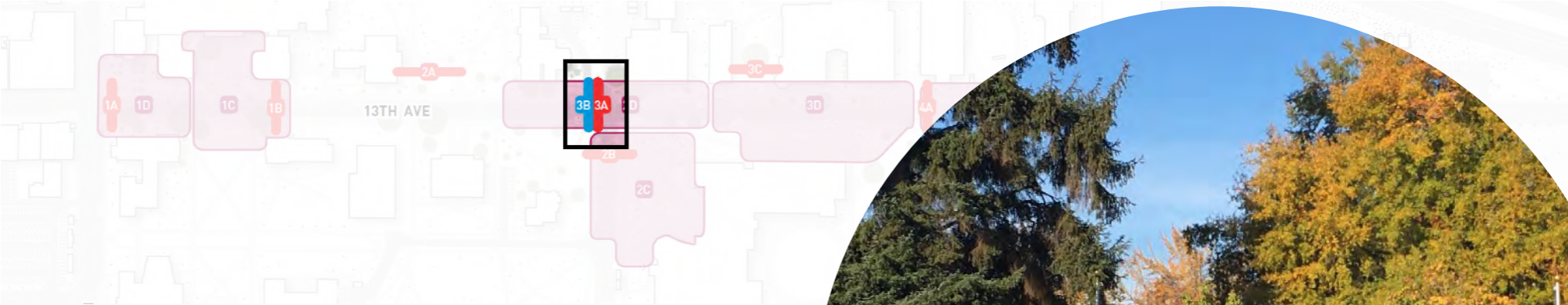
Lunch spike

Show lets out



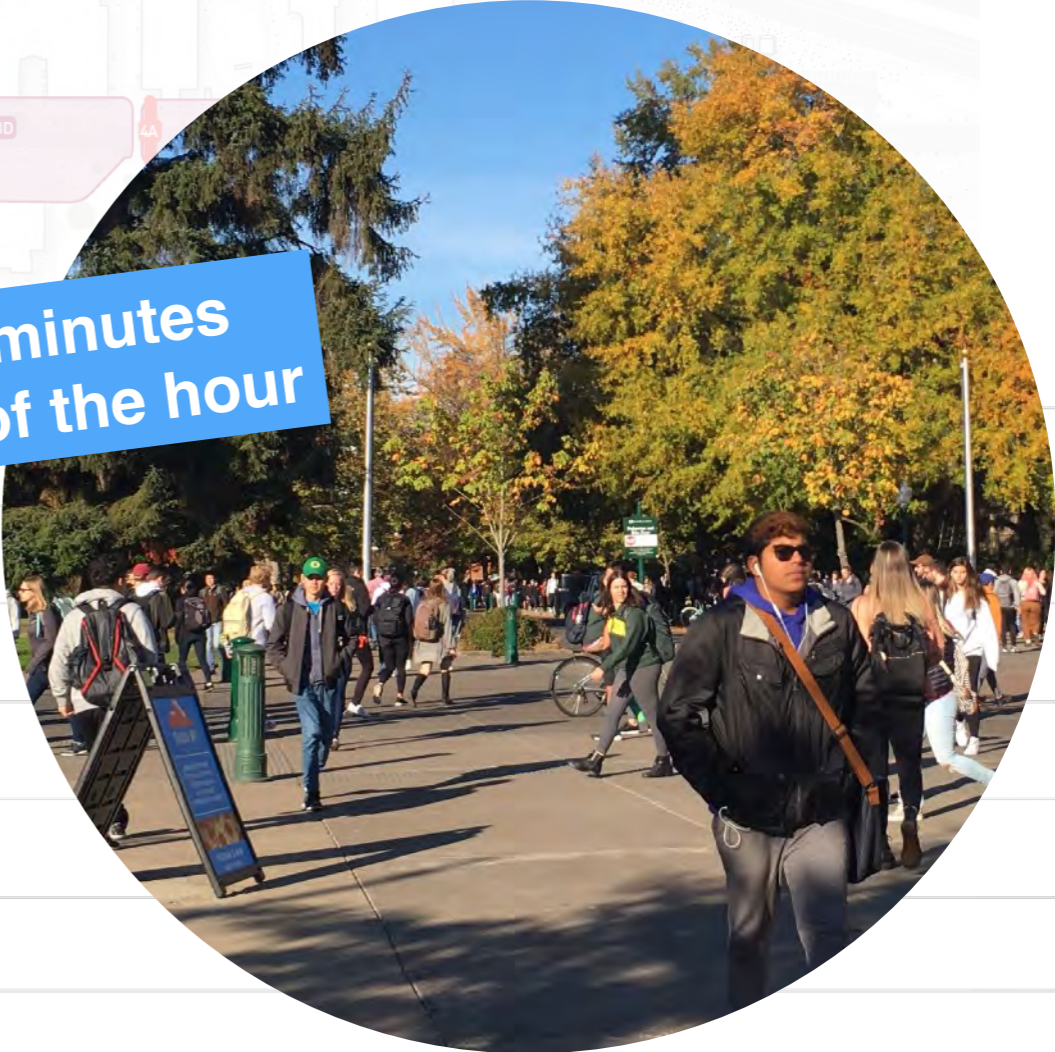
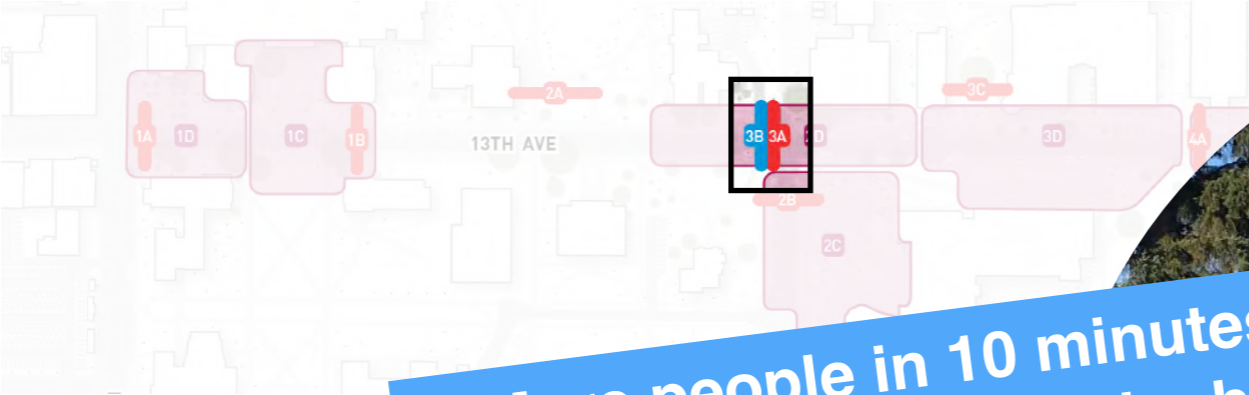
- Walking / Running
- On Bike
- Walking with Bike
- Supported (wheelchair / stroller / crutches)
- Skateboard
- Scooter
- Vehicle (any type)

E 13th Ave at University St - Surge Counts



- Walking / Running
- Skateboard
- On Bike
- Scooter
- Walking with Bike
- Vehicle (any type)
- Supported (wheelchair / stroller / crutches)

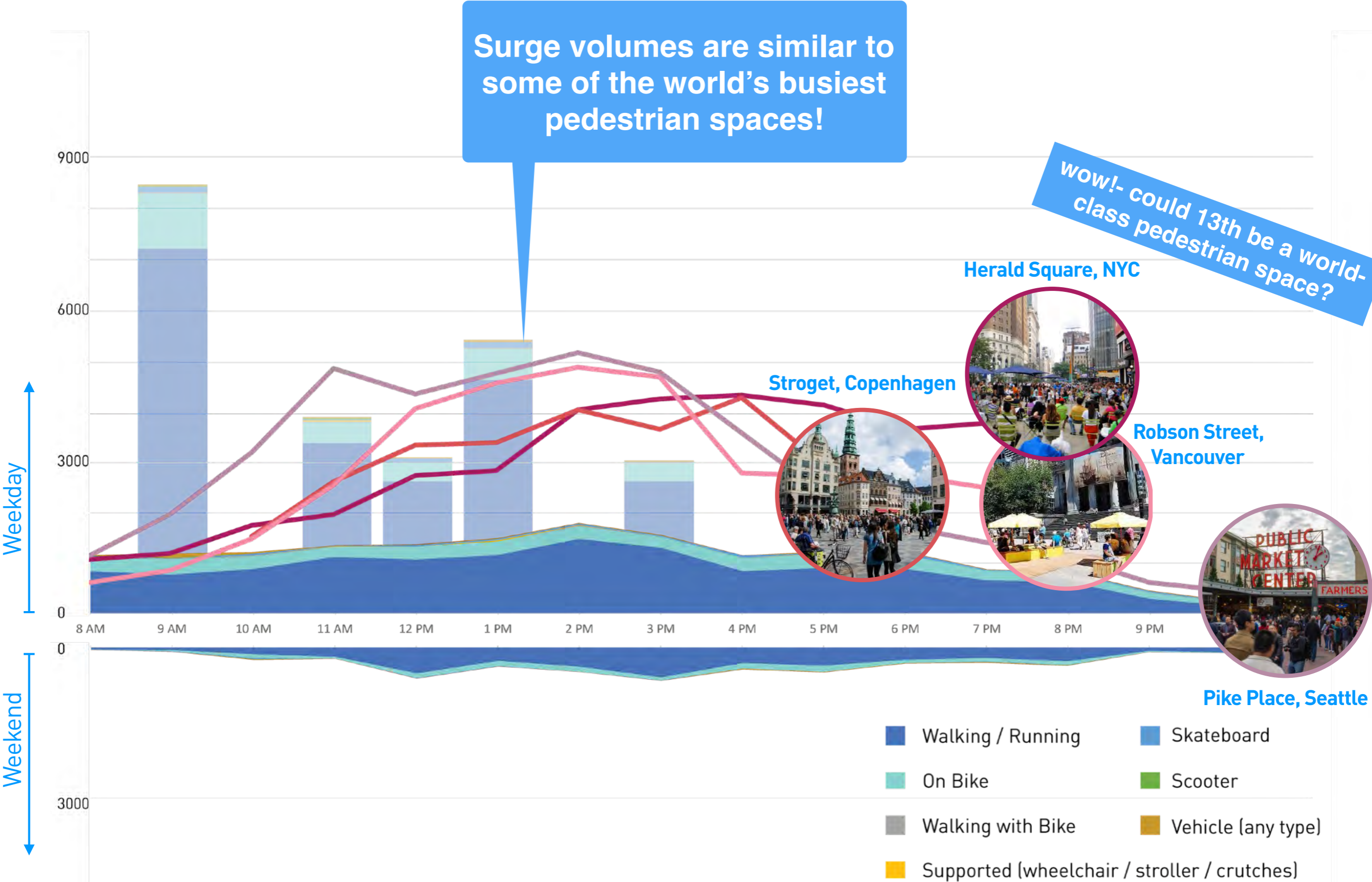
E 13th Ave at University St - Surge Counts



More people in 10 minutes than the whole rest of the hour



E 13th Ave at University St - Surge Counts



E 13th Ave at University St - Surge Counts

But bikers moving at higher speeds add conflicts especially during peak times



Bikes add conflicts

Overcrowding

Threshold for reducing walking speed due to crowding @ 2800 ppl/hr

Weekday

Weekend

The challenge:

Function well as one of the world's busy pedestrian streets several times per day



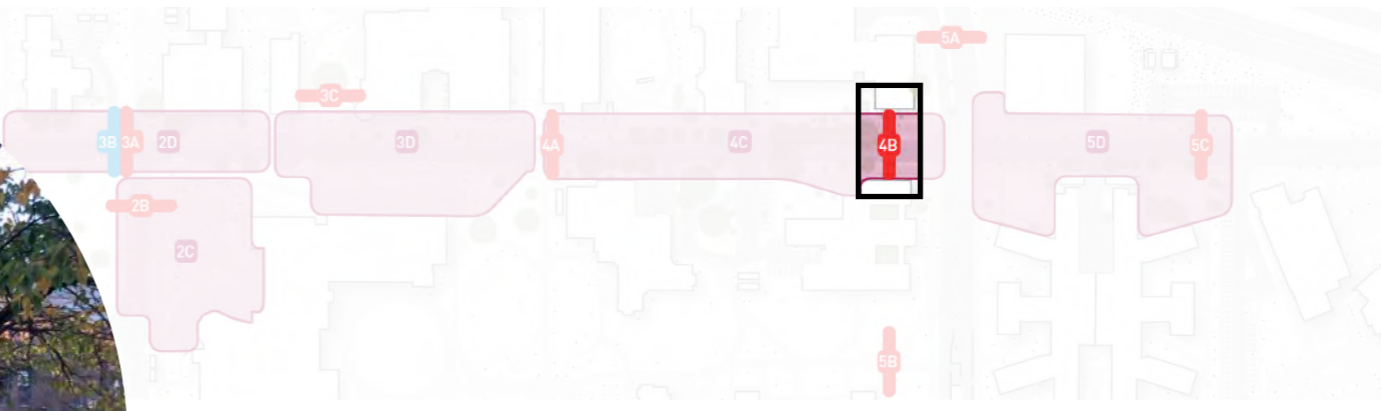
The challenge:



...and equally well as a quiet place to stay with enough edges to be comfortable



E 13th Ave at Agate St

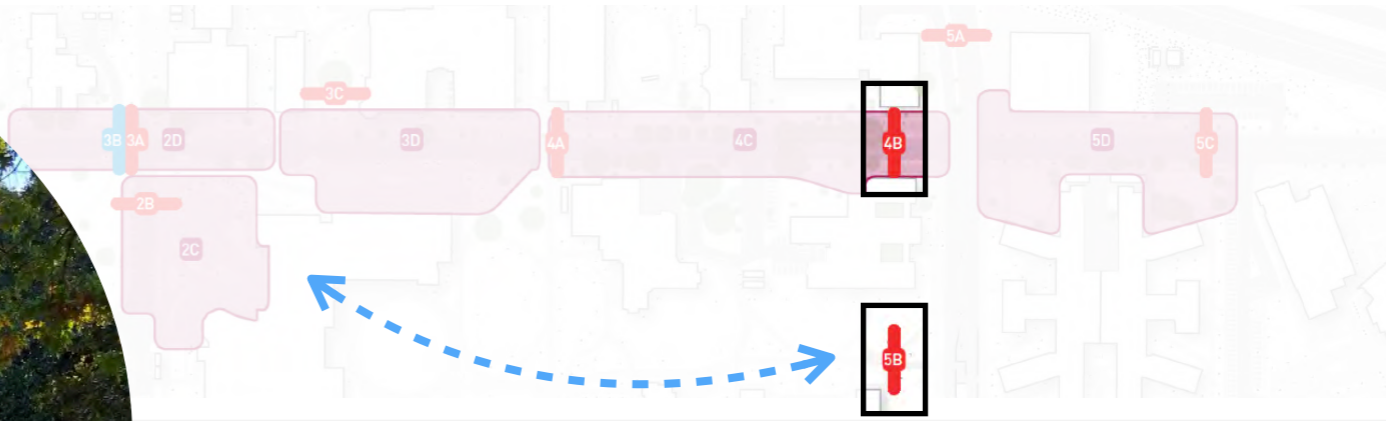


Much fewer people moving, overall.

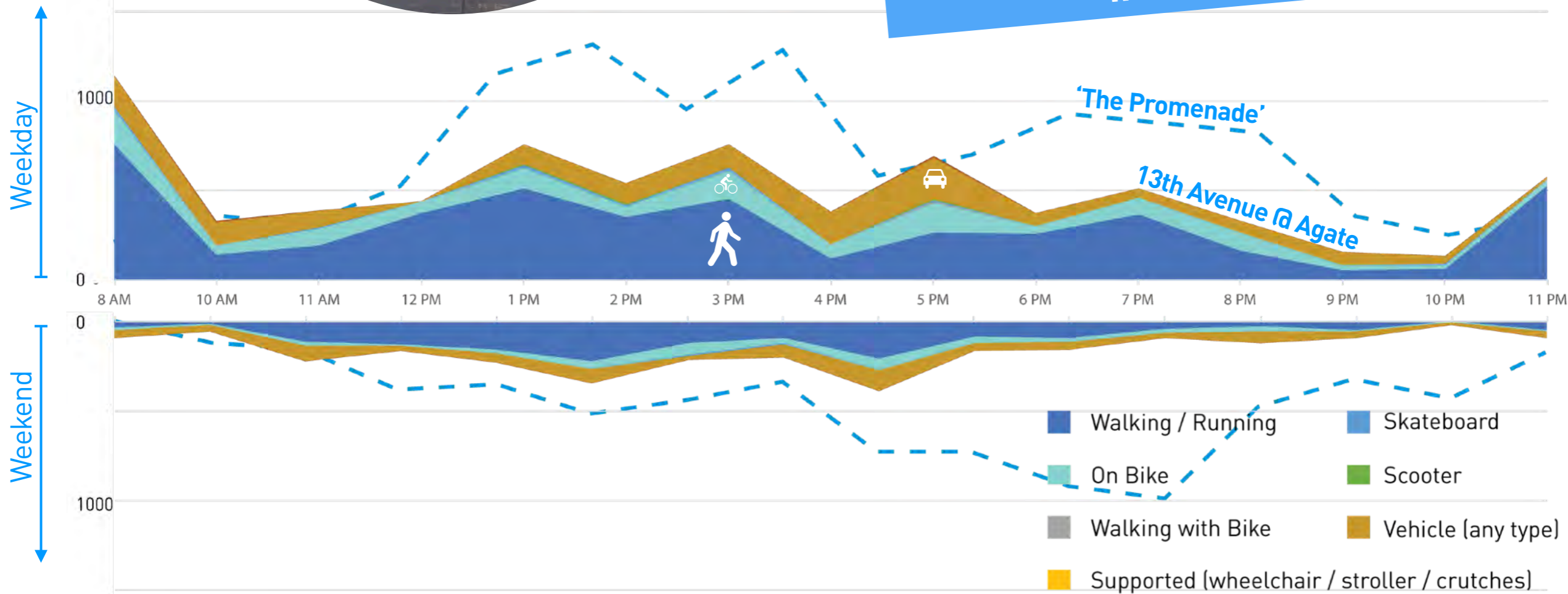


- Walking / Running
- On Bike
- Walking with Bike
- Supported (wheelchair / stroller / crutches)
- Skateboard
- Scooter
- Vehicle (any type)

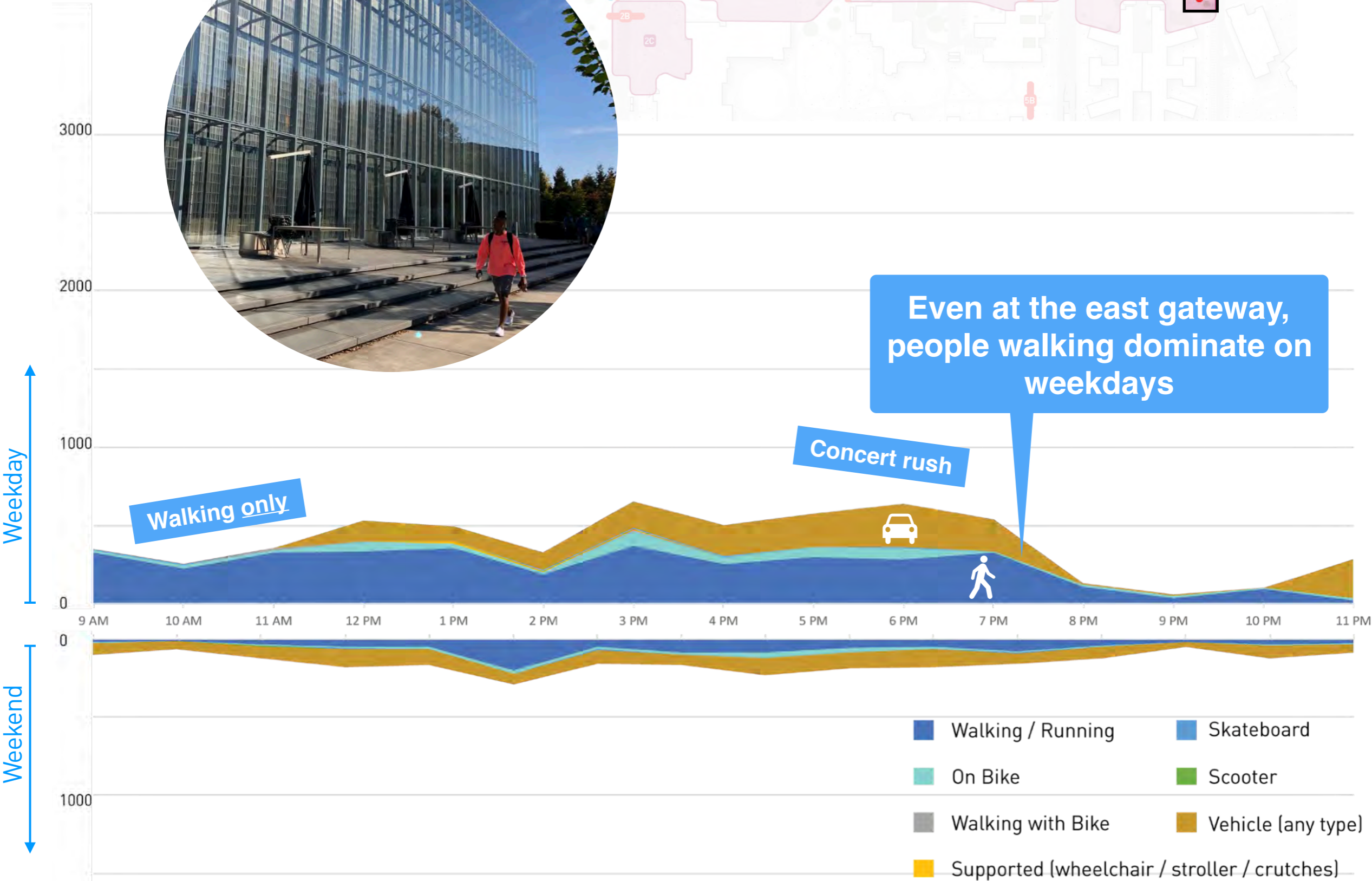
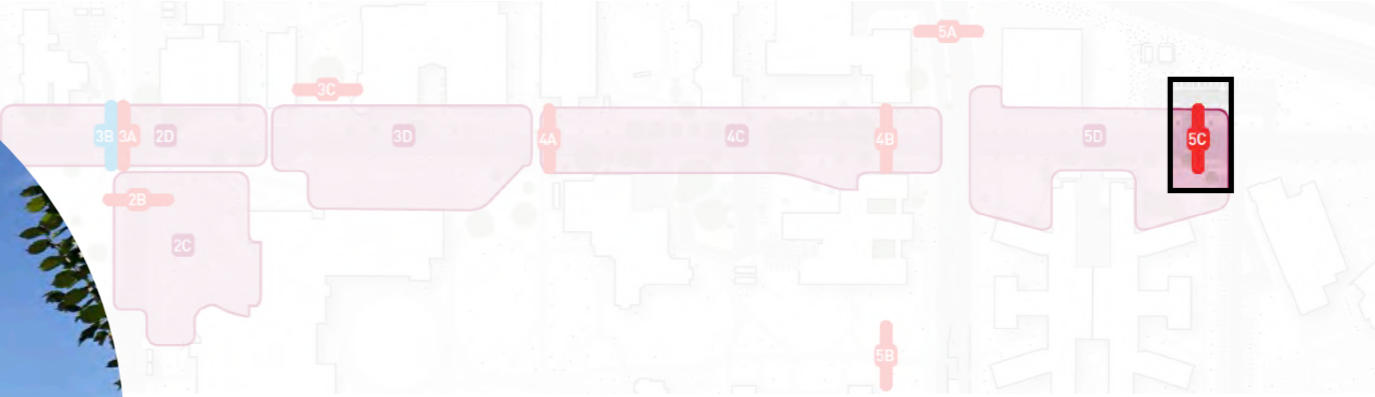
E 13th Ave at Agate St vs The Promenade



People seem to be choosing the Promenade instead of 13th Avenue where 13th is least interesting



E 13th Ave at Hamilton Hall / Jaqua



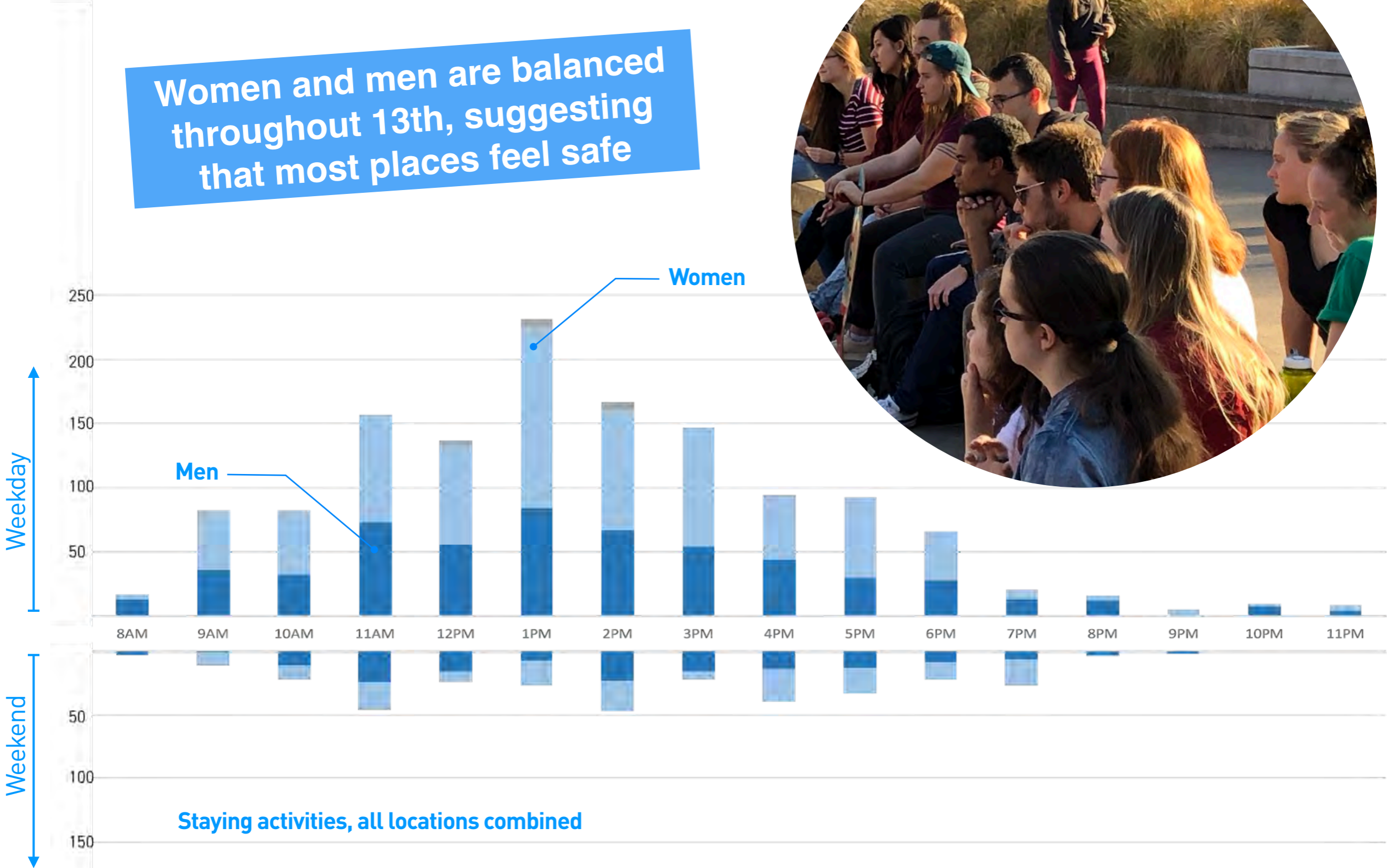
A large group of people, mostly young adults, are sitting on wide concrete steps outdoors. They are dressed in casual attire like t-shirts, hoodies, and jeans. The scene is set in a well-lit, open area with some greenery and a building in the background. The text "People Staying" is overlaid in a bold, blue font in the center of the image.

People Staying

Who is staying?

Gender

Women and men are balanced throughout 13th, suggesting that most places feel safe



Staying activities, all locations combined

How are people using the space?

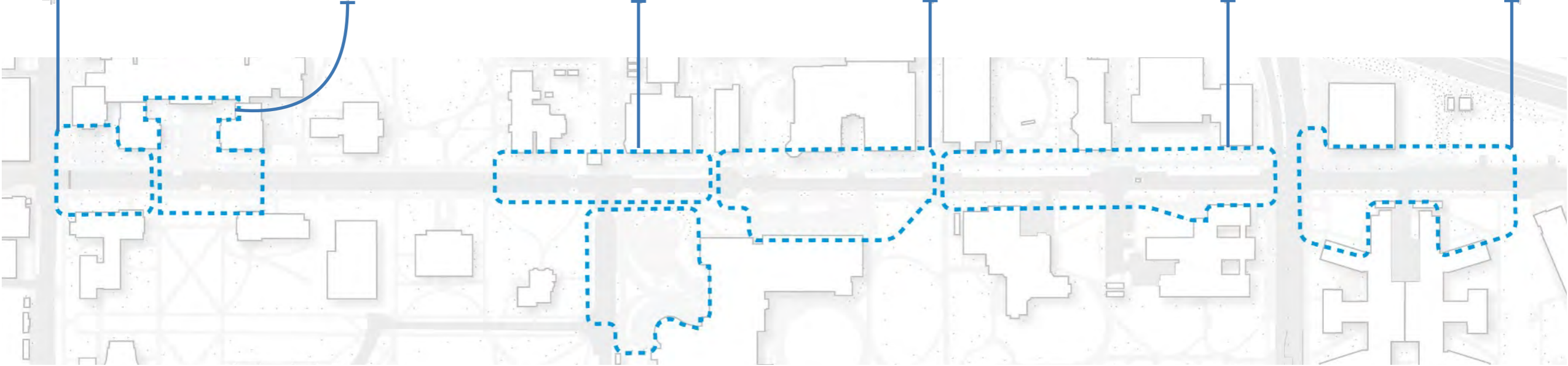
Postures

E 13th Ave Gateway Lundquist Ctvd Friendly Hall to Volcanology Hall Volcanology Hall to Huestis Hall Huestis Hall to Agate St Hamilton Hall



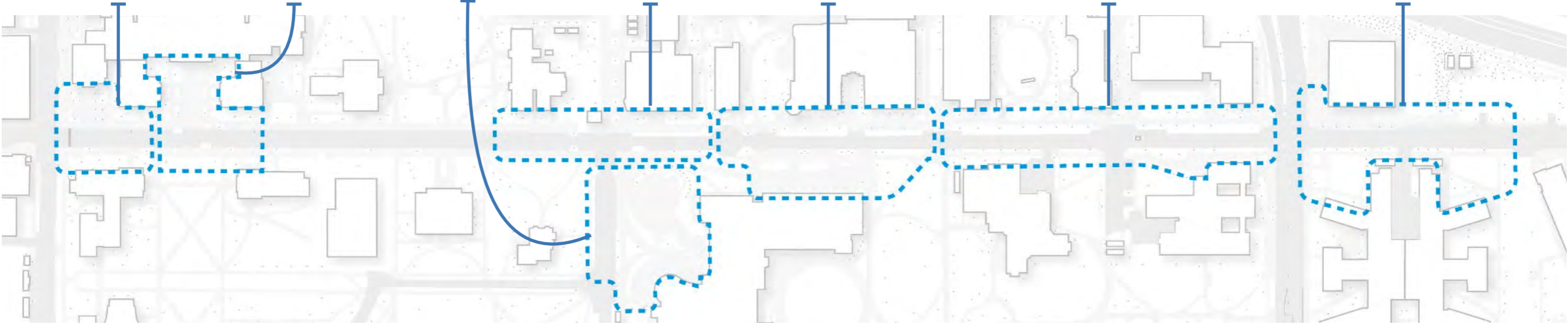
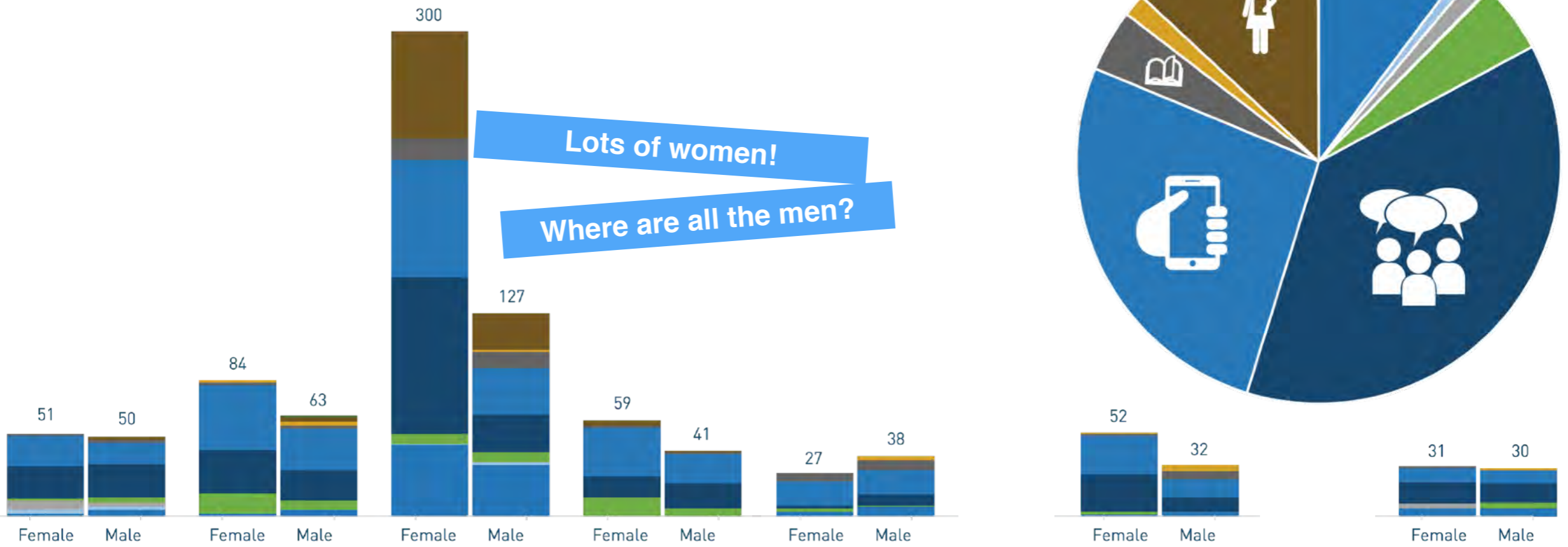
68% Sitting or Lying down

75% Standing

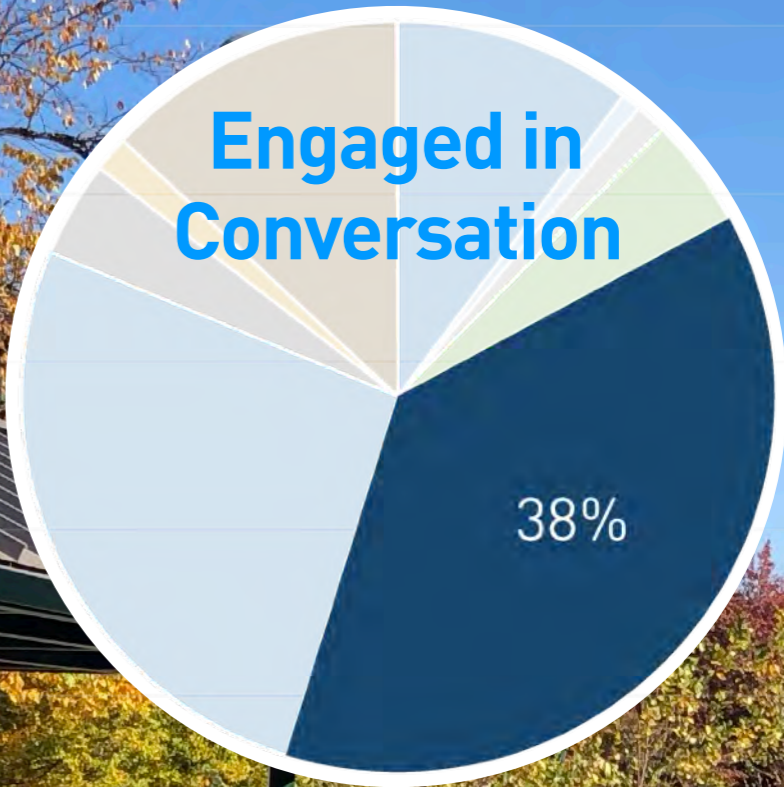


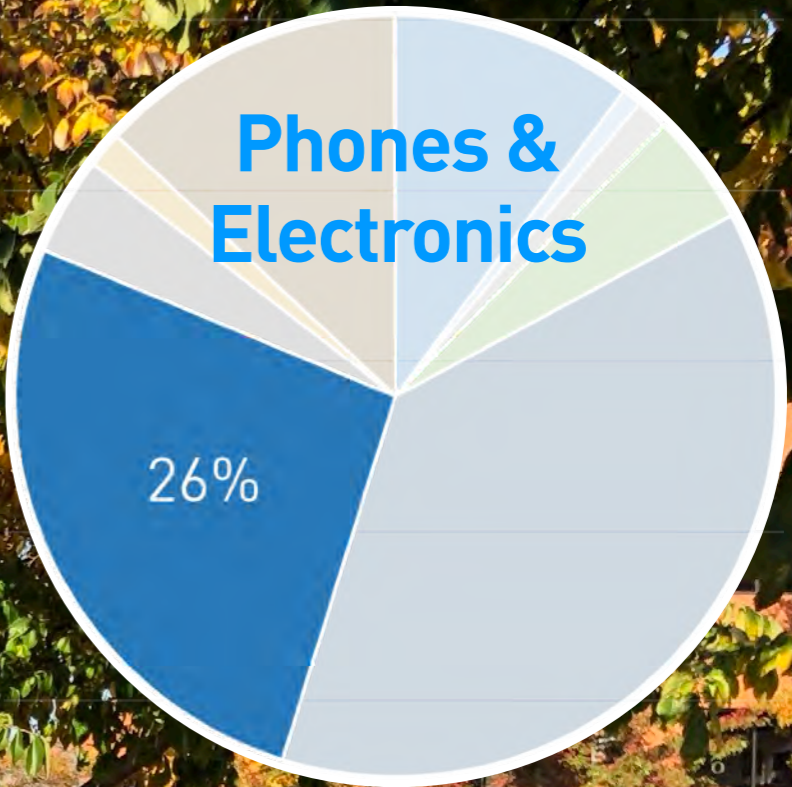
- Lying Down
- Sitting (informal)
- Sitting (public)
- Standing

Who's there and what are they doing?



- Eating / Drinking
- Active Recreation - Play
- Reading / Writing / Teaching
- Engaged with Cultural Activity
- Passive Recreation
- Civic Work / Working Public
- Engaged with Commerce
- Engaged in Conversation
- Soliciting
- Active Recreation - Exercise
- Using Electronics
- Other







0%
Doing any kind of
active recreation
(play or exercise)
on 13th

Image: UO - The Promenade

What other types of public life are missing on 13th?

Exercise



Studying



Outdoor Learning



Conversation



Phone time



Tabling



Hanging out



Performing



Playing



Buying / Selling



Moving



Lying down



How might we invite more people to stay?

Exercise



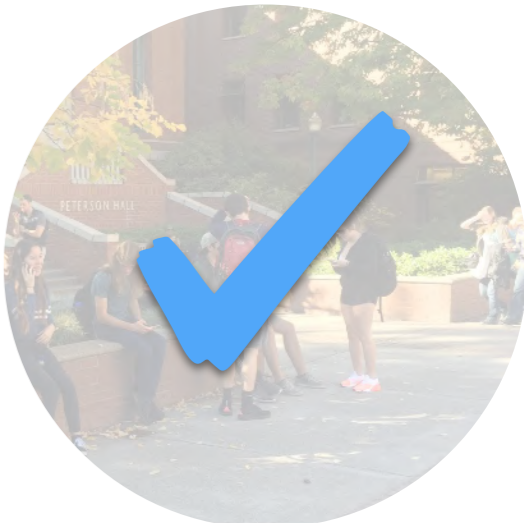
Studying



Outdoor Learning



Conversation



Phone time



Tabling



Hanging out



Performing



Playing



Buying / Selling



Moving



Lying down



How many people stop and stay in open spaces?

Density of people staying and 'Stickiness'

13th at Jaqua & Hamilton



Lundquist Ctzyd & 13th



13th at Campus Heart



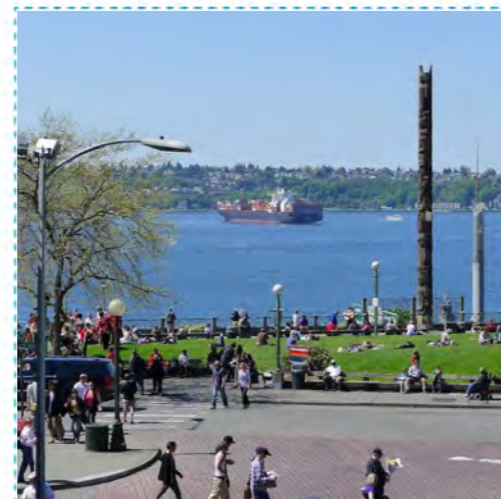
EMU Plaza



University of Oregon

Scale Reference:
Two Bas

Victor S. Park, Pike Place, Seattle



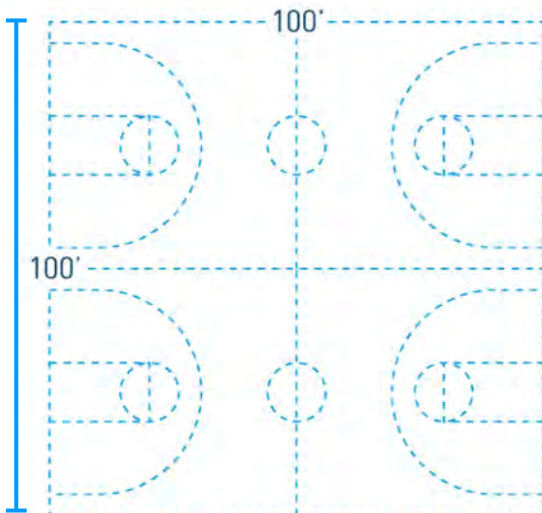
Robson St., Vancouver



Amager Torv @ Stroget, Copenhagen



Global Precedents



How many people stop and stay in open spaces?

Density of people staying and 'Stickiness'

13th at Jaqua & Hamilton

~ 2 per 10k sf
(peak, 1pm)



Lundquist Ctvd & 13th

~ 9 per 10k sf
(peak, 1pm)



13th at Campus Heart

~ 13 per 10k sf
(peak, 11am)



EMU Plaza

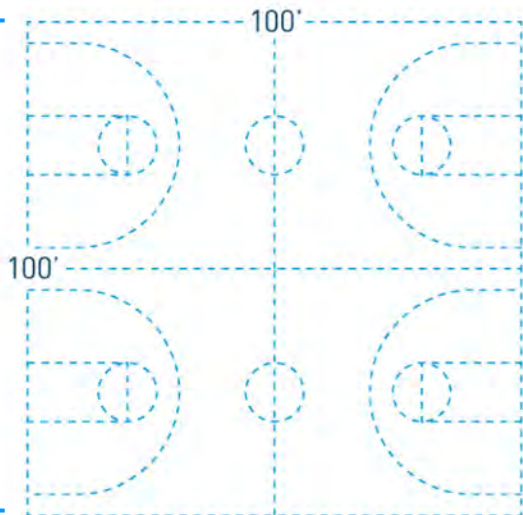
~ 22 per 10k sf
(peak, 1pm)



"Stickiness":
Of those moving, 0.87% stay

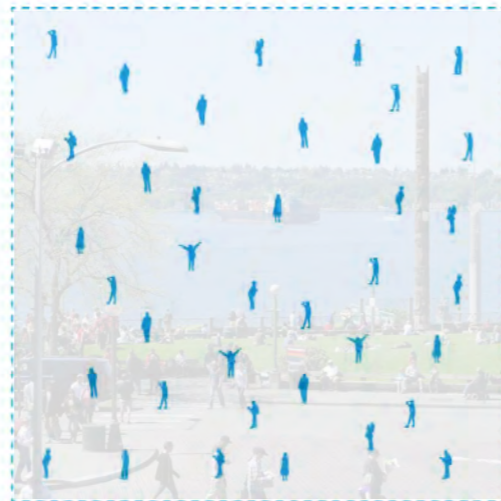
← **Least dense** **Most dense** →

Scale Reference:
Two Basketball Courts



Victor S. Park, Pike Place, Seattle

~ 38 per 10k sf
(hourly average)



Robson St., Vancouver

~ 48 per 10k sf
(hourly average)



Amager Torv @ Stroget, Copenhagen

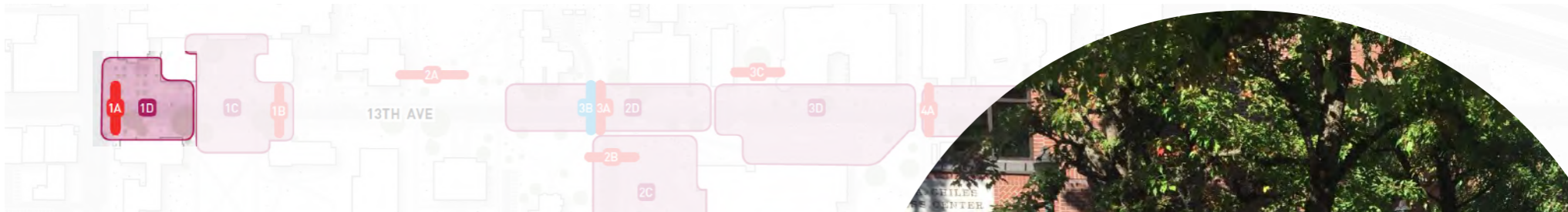
~ 100 per 10k sf
(hourly average)



University of Oregon

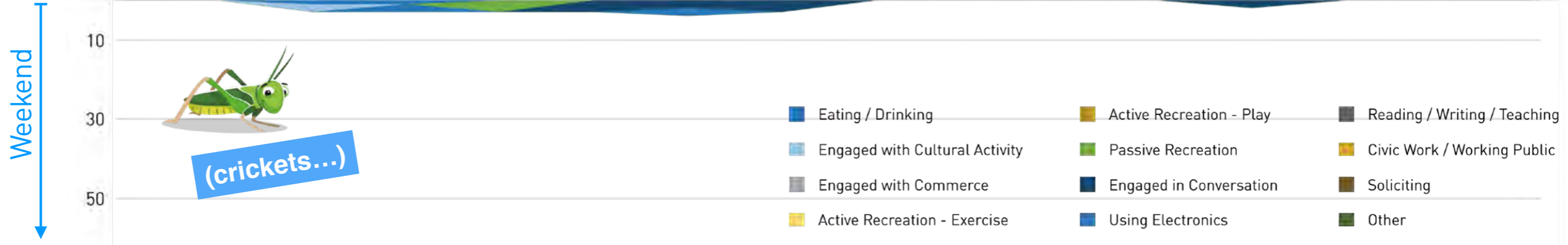
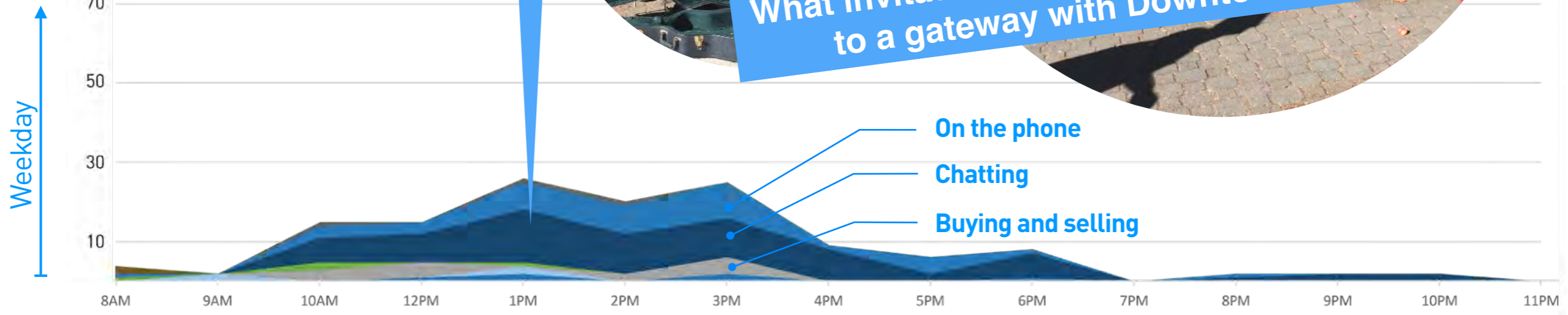
Global Precedents

E 13th Ave at Kincaid / West Gateway



It's a gateway, but underperforming as a place (1 in 50 people stays)

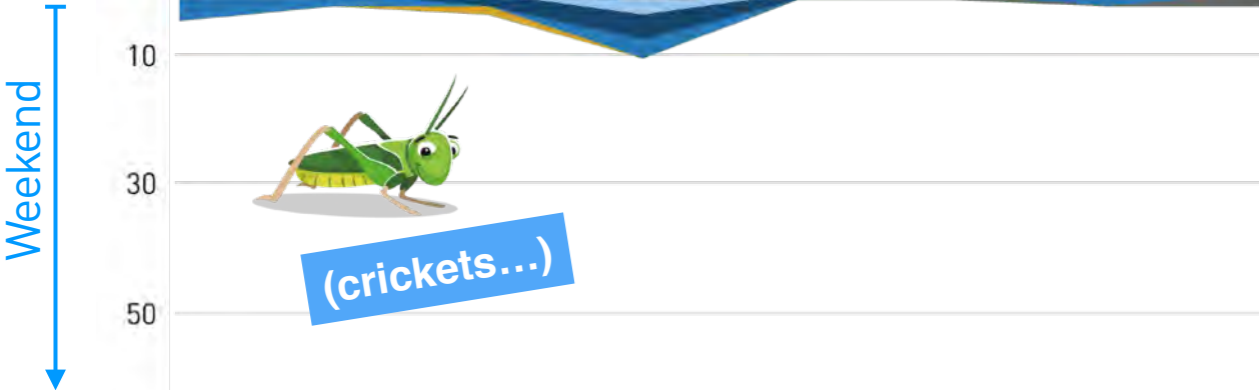
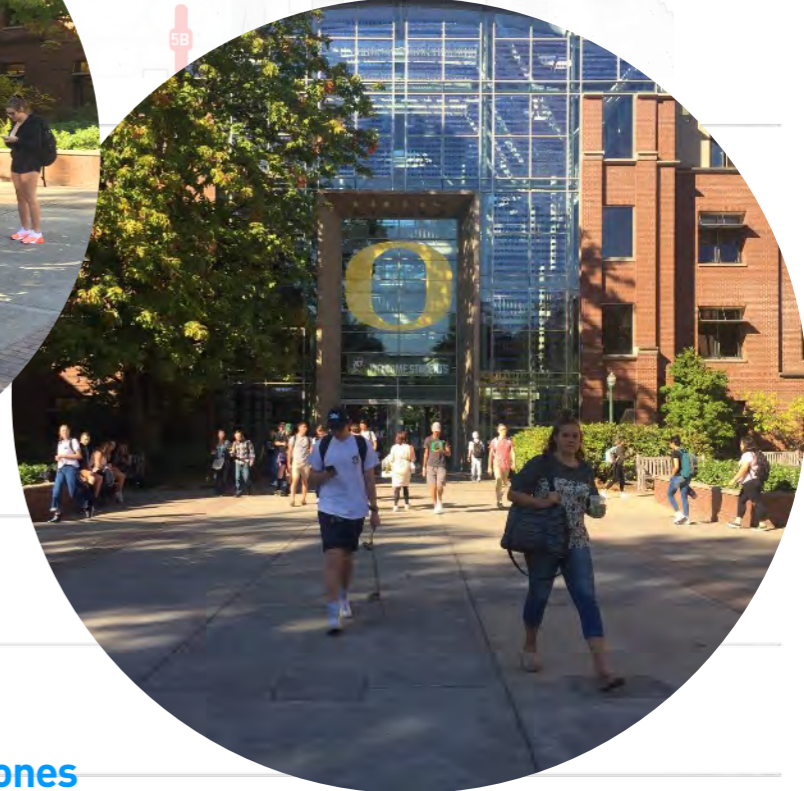
What invitations to stay could be added to a gateway with Downtown?



- Eating / Drinking
- Engaged with Cultural Activity
- Engaged with Commerce
- Active Recreation - Exercise
- Active Recreation - Play
- Passive Recreation
- Engaged in Conversation
- Using Electronics
- Reading / Writing / Teaching
- Civic Work / Working Public
- Soliciting
- Other

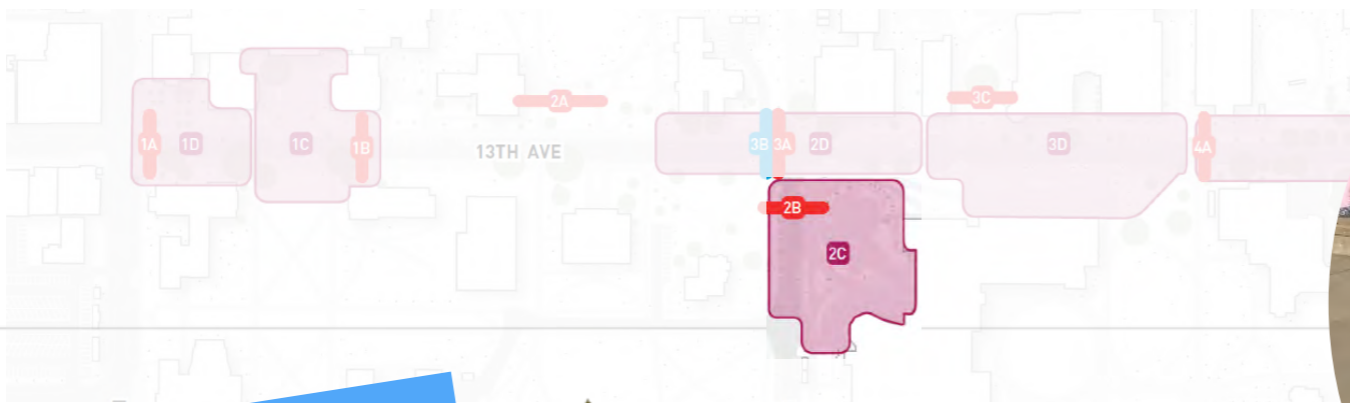
Lundquist Courtyard

Acts like a living room:
Welcoming when full or empty



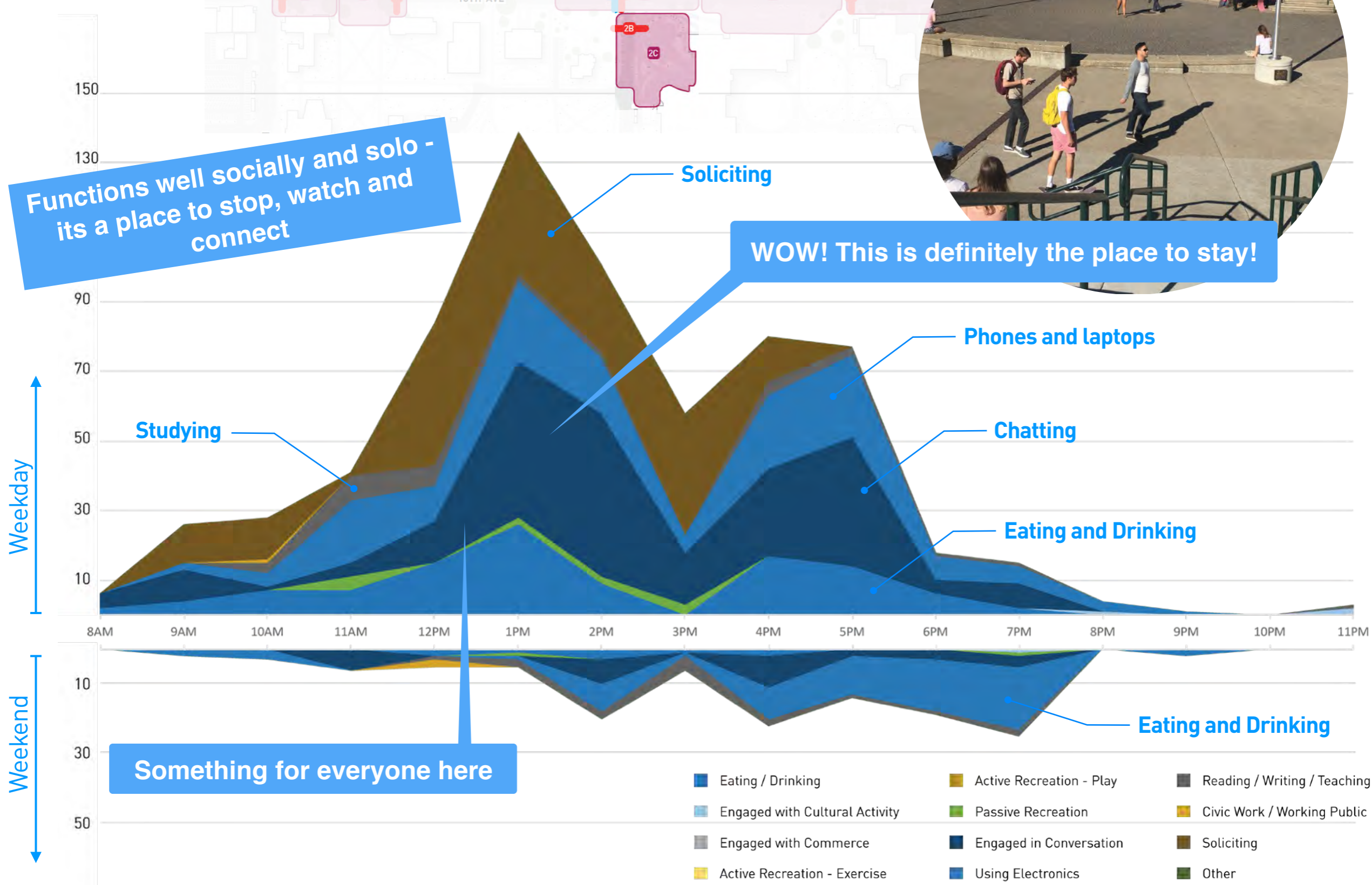
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ERB Memorial Union Plaza



Functions well socially and solo - its a place to stop, watch and connect

WOW! This is definitely the place to stay!



Something for everyone here

Weekday

Weekend

Studying

Soliciting

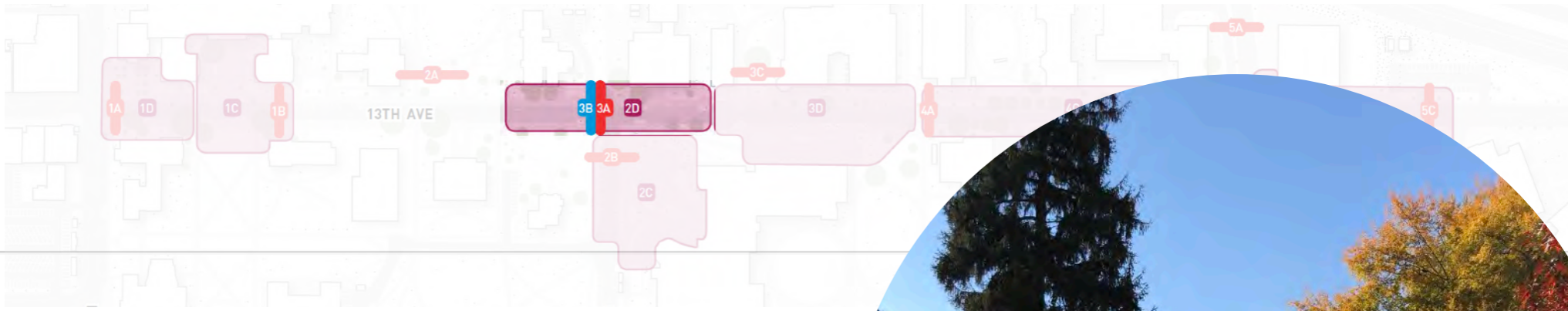
Phones and laptops

Chatting

Eating and Drinking

Eating and Drinking

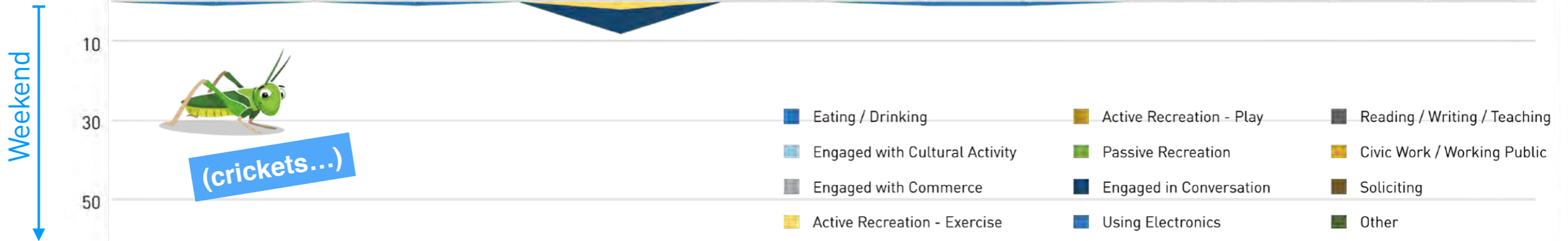
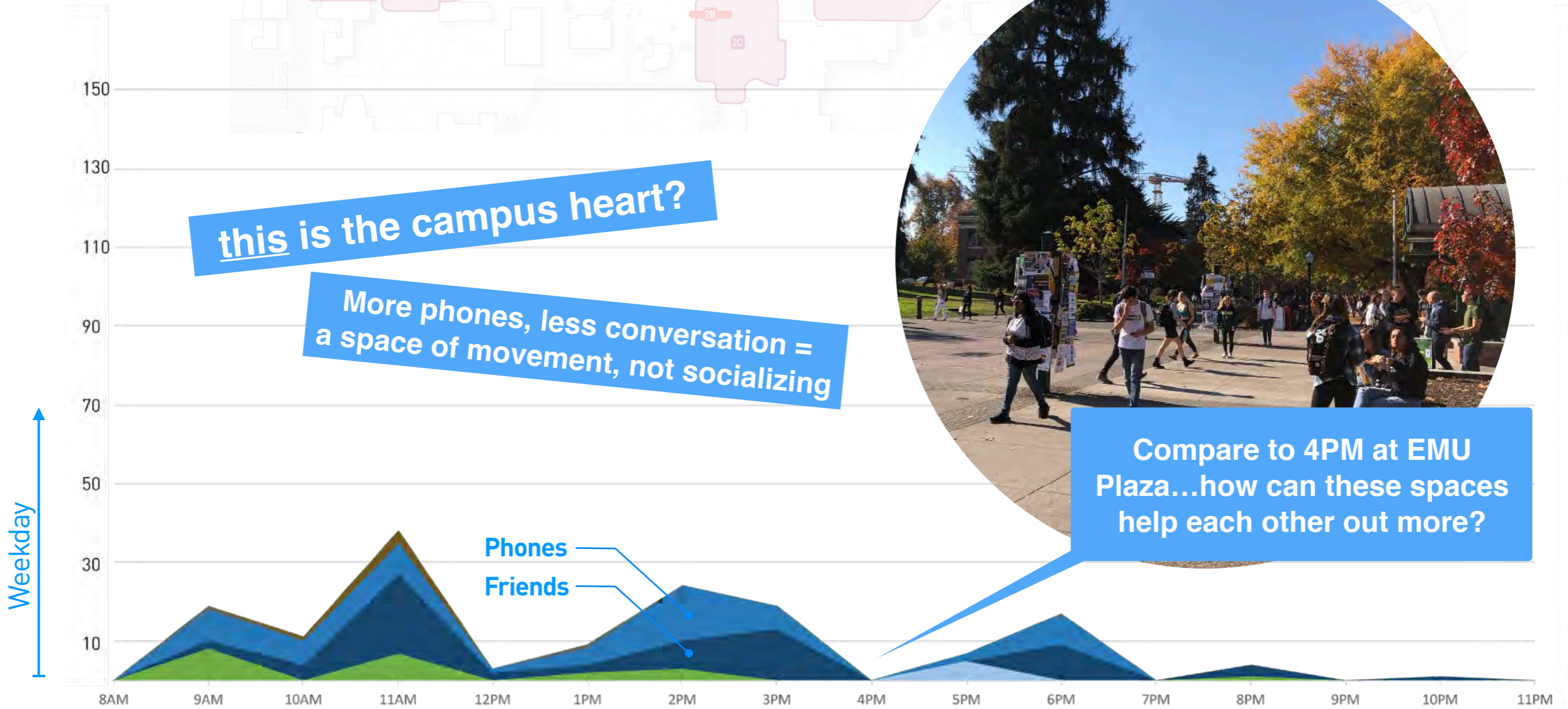
Friendly Hall to Volcanology Hall at E 13th Ave



this is the campus heart?

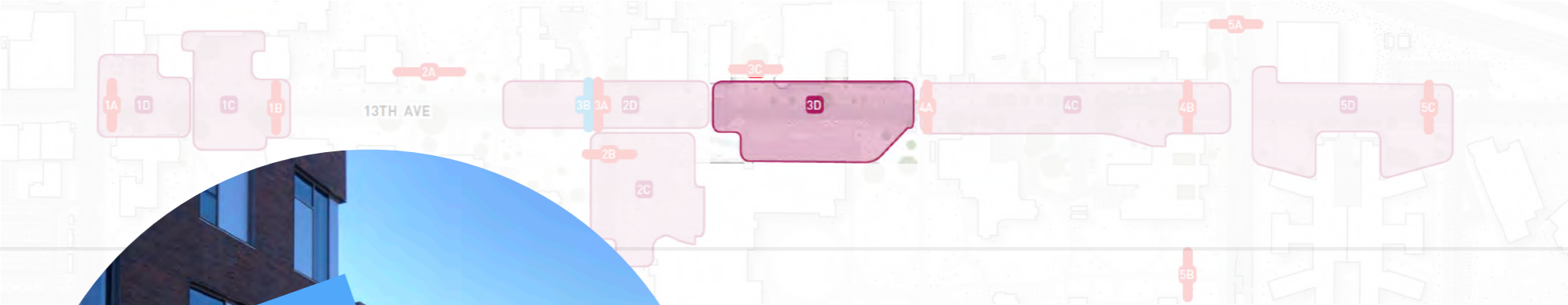
**More phones, less conversation =
a space of movement, not socializing**

**Compare to 4PM at EMU
Plaza...how can these spaces
help each other out more?**



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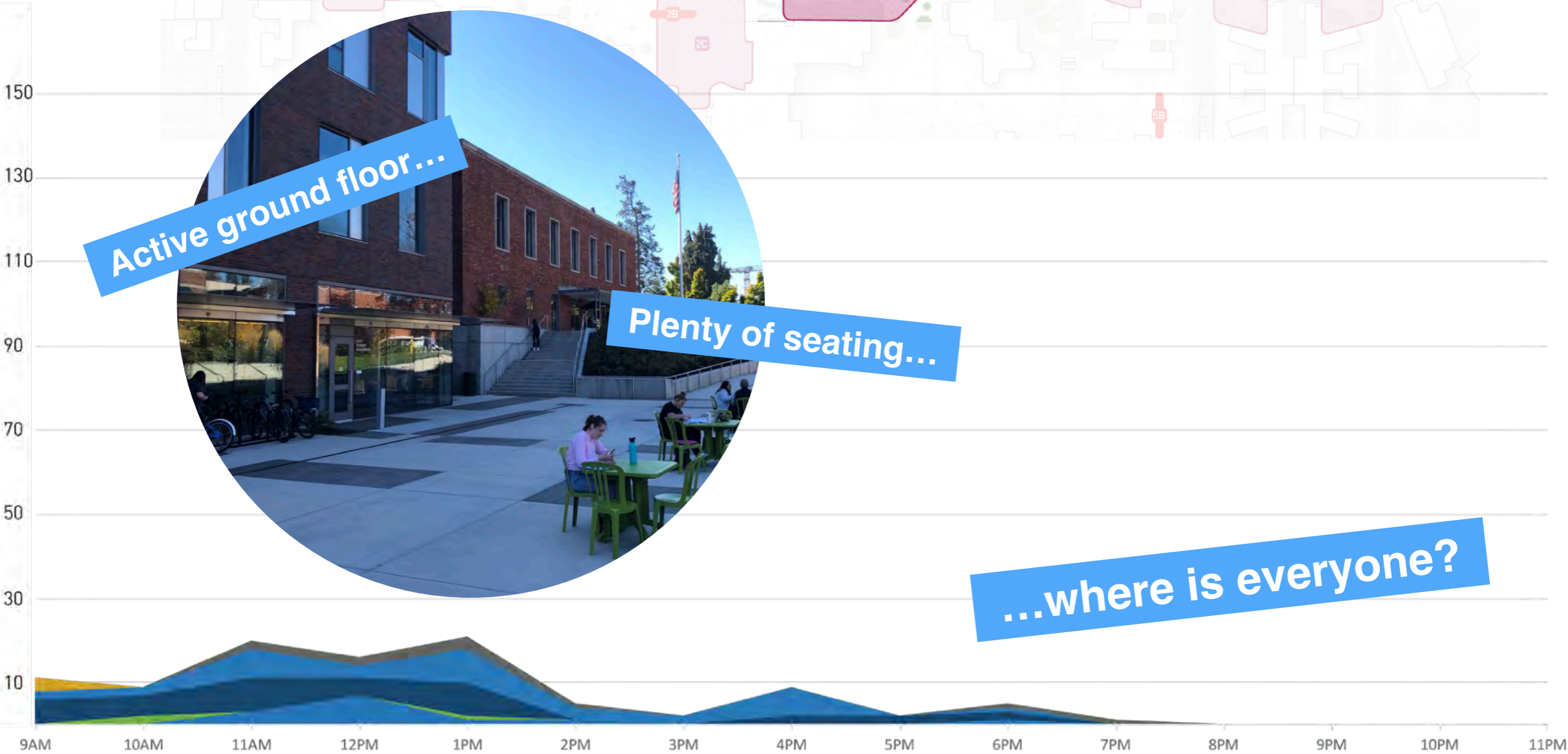
Volcanology Hall to Huestis Hall at E 13th Ave



Weekday

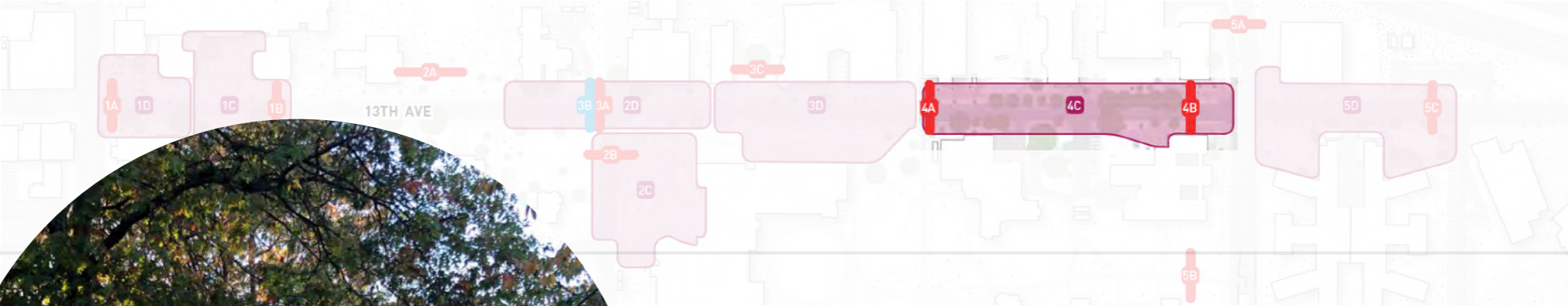
...where is everyone?

Weekend



- Eating / Drinking
- Engaged with Cultural Activity
- Engaged with Commerce
- Active Recreation - Exercise
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- Using Electronics
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- Other

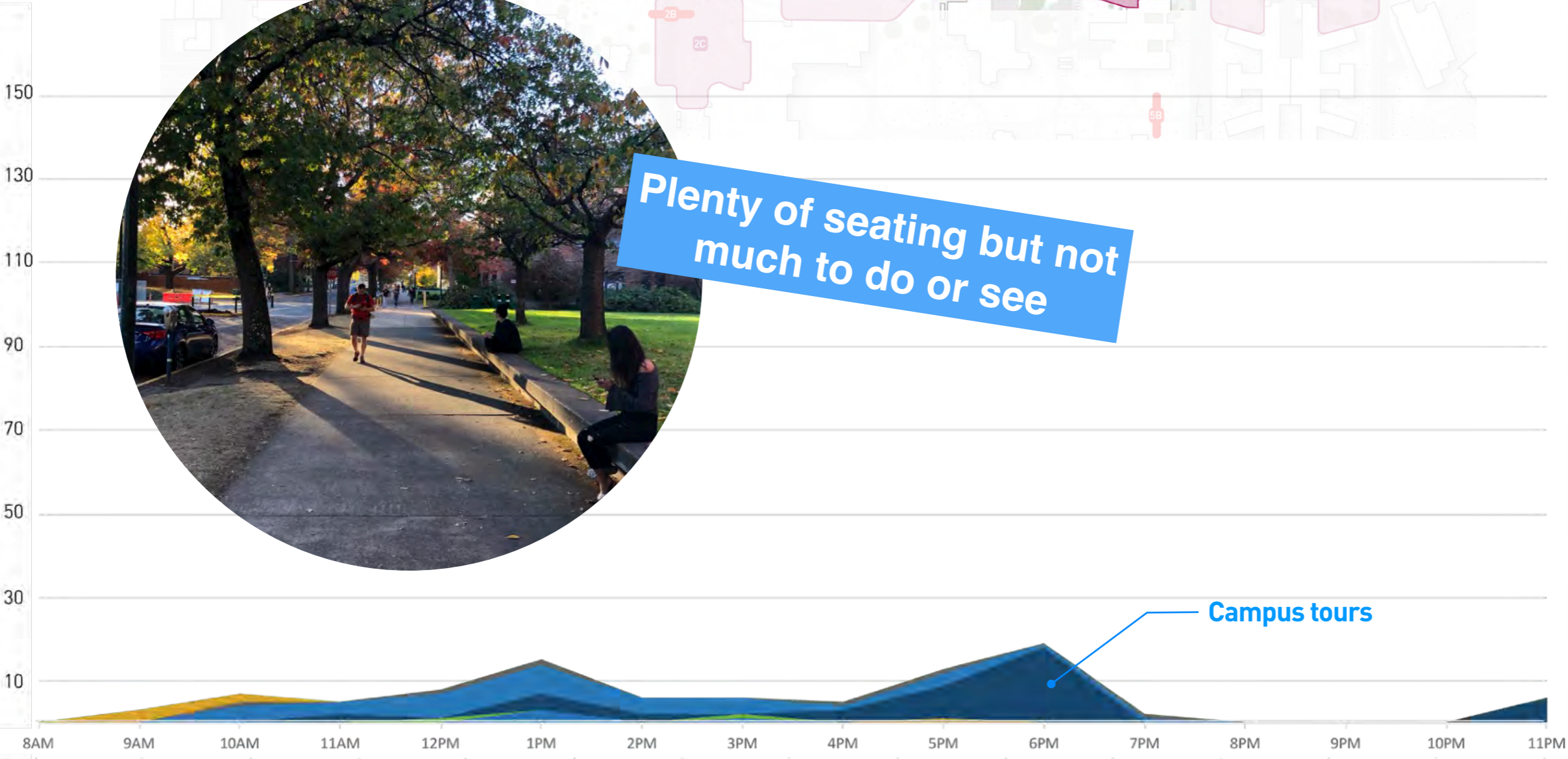
Huestis Hall to Agate St at E 13th Ave



Plenty of seating but not much to do or see

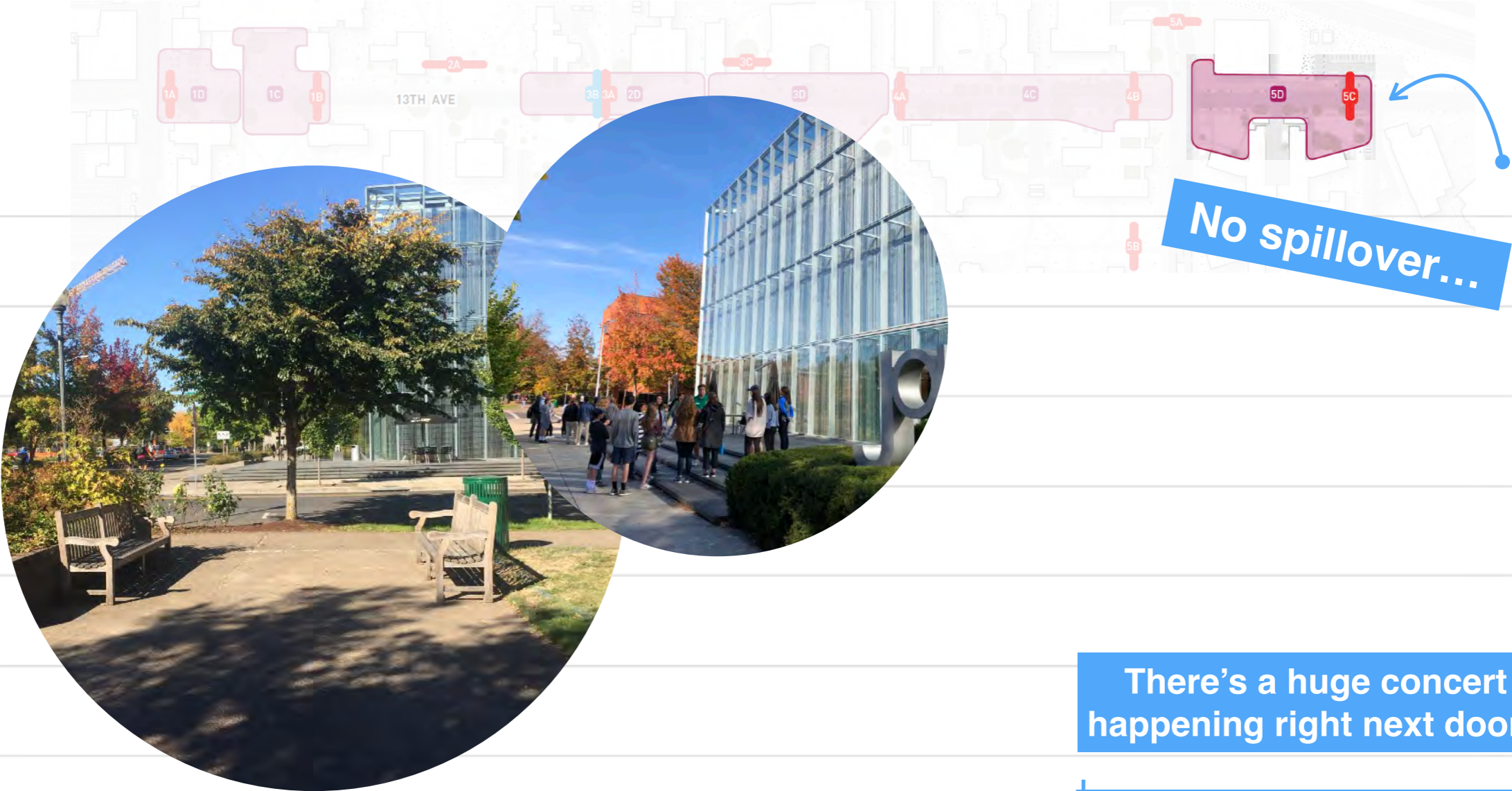
Weekday

Weekend



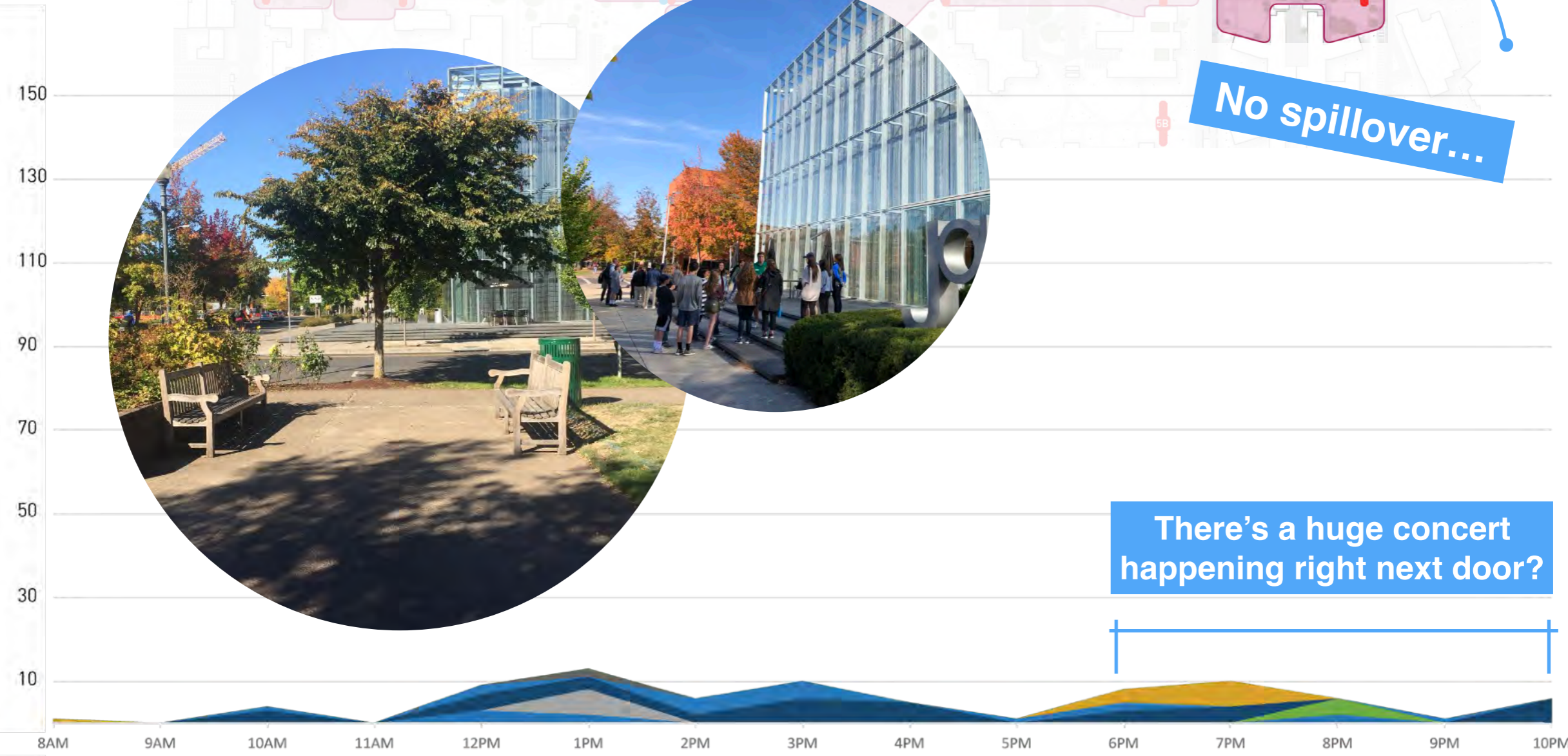
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- Soliciting
- Other

Hamilton Hall at E 13th Ave



Weekday

Weekend



- Eating / Drinking
- Engaged with Cultural Activity
- Engaged with Commerce
- Active Recreation - Exercise
- Active Recreation - Play
- Passive Recreation
- Engaged in Conversation
- Using Electronics
- Reading / Writing / Teaching
- Civic Work / Working Public
- Soliciting
- Other

Key Takeaways For Public Life

13th is good at moving people—but doesn't have a lot of invitations to stay.

Design it to function like a room, not just a hallway.

Peak flows on 13th are extraordinary.

Accommodate peak flows while making it a inviting and comfortable place to be.

Low flows are very low.

13th is dead at night and on the weekends. Make it feel welcoming and safe at all times.

13th is bustling during classes but misses an opportunity to also support student life and academics.

Invite more activities so it is always active.