

Why Talk About Parking?





**“Every person who parks
a car is a pedestrian.”**



RED ZONE

DON'T
EVEN
THINK
OF
PARKING
HERE

SP-145C

STATE OF NEW YORK

Permit Parking Only



Sinners Will Be Towed
At Owners Expense
Pat's Towing 617.354.4000





WALKER FEDERAL BANK

PRAGAS
EYE & LASER
CENTER

The UPS Store

90V H13



CAMERAS





0111



01

MAGIC 106.7
Boston's Continuous Soft Rock

MBTA
WIDE OPEN
SEATING
NO STOPS

WWW.MBTA.COM



CAMERAS

TOBACCO



GREEN CAB

22K L45

49
22K L45





CAMERAS

OPEN



Man in blue vest and khaki shorts walking across the street.

Woman in blue top and shorts walking across the street, carrying a colorful bag.

White taxi cab driving down the street.

Black pickup truck driving down the street.

Black convertible car parked on the left side of the street.

White sedan car parked on the left side of the street.

Dark car parked on the left side of the street.

Red car parked on the right side of the street.

White sedan car parked on the right side of the street.







CAMERAS

ROBBINS TOSK

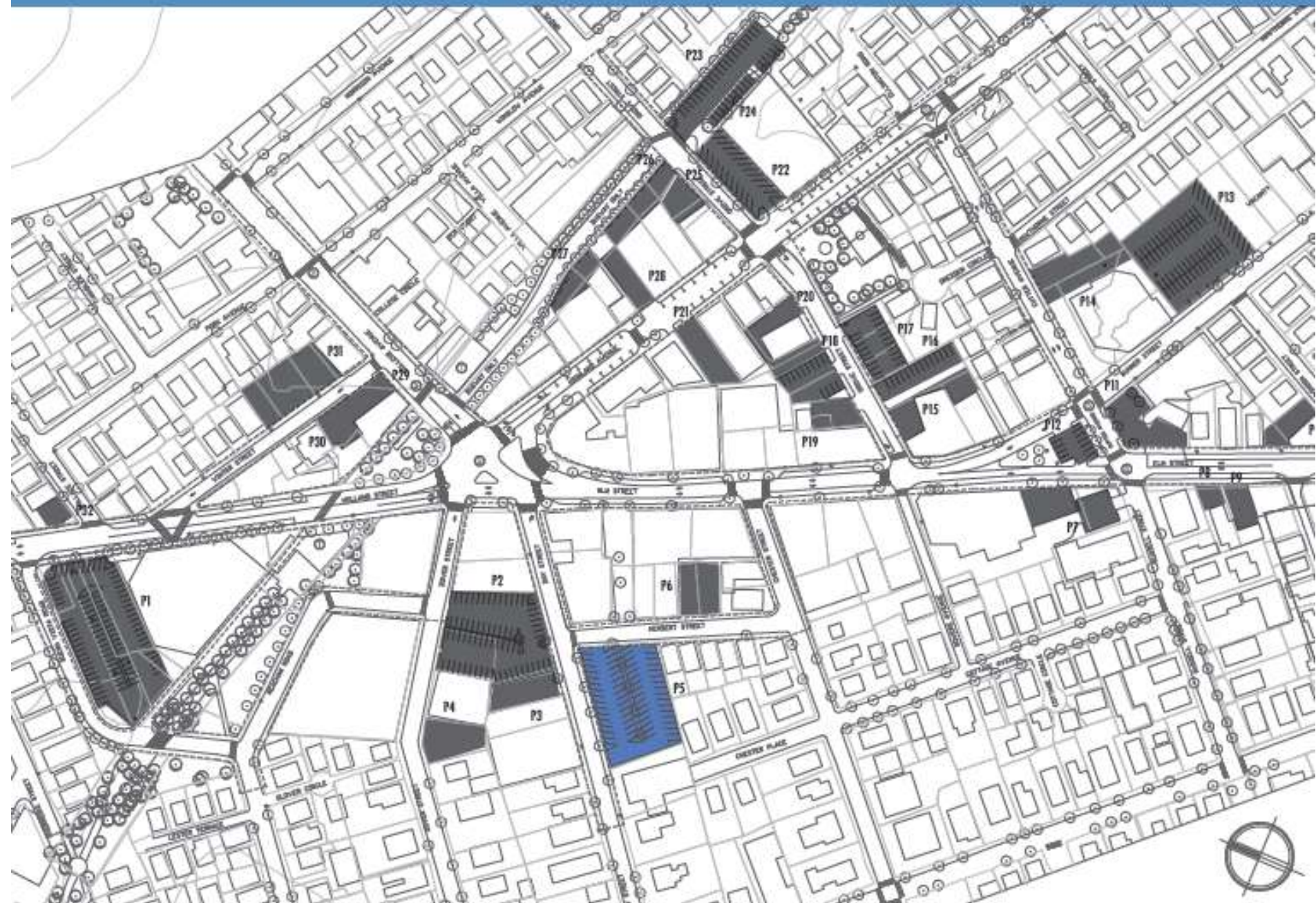




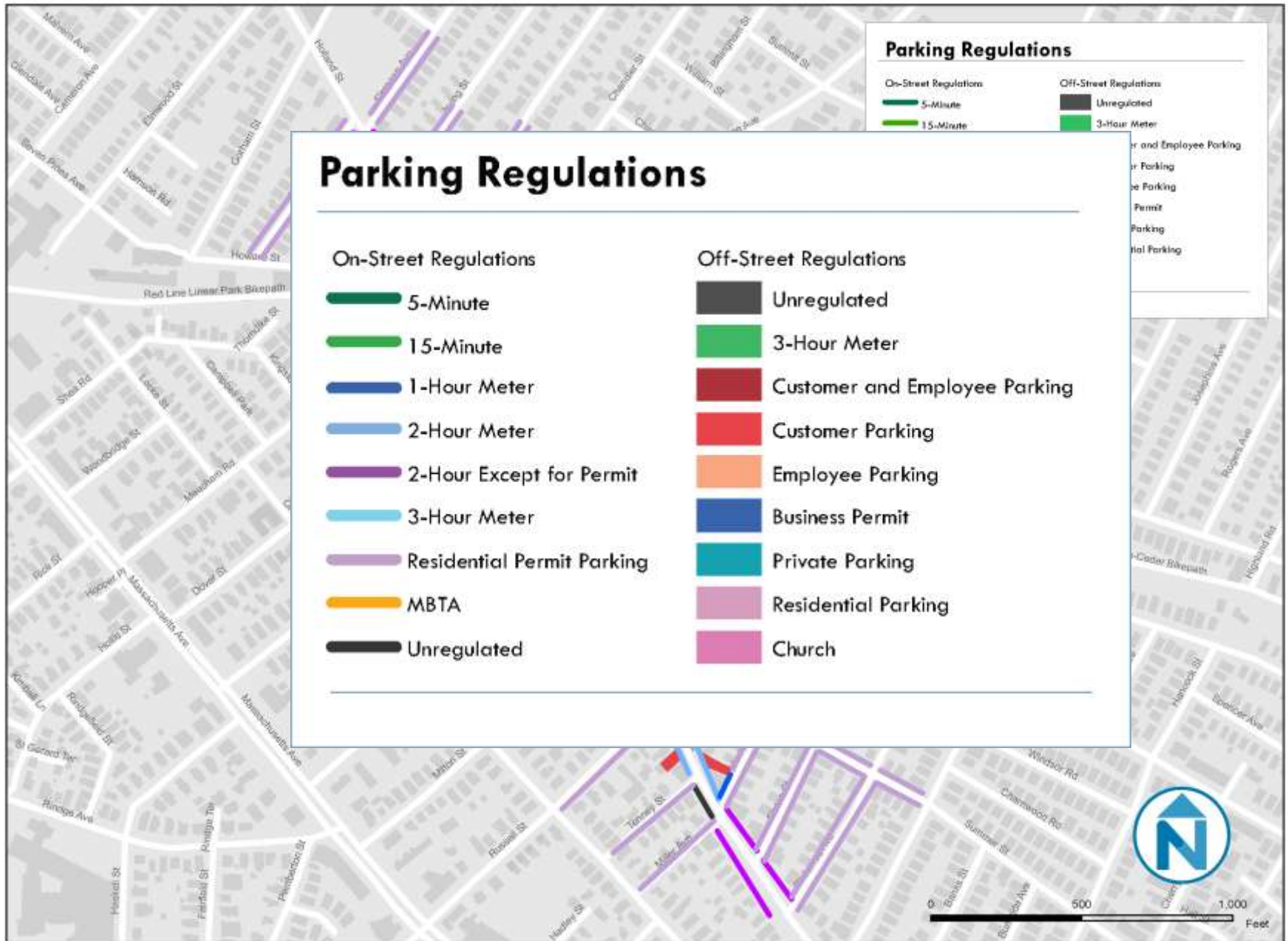
CAMERAS



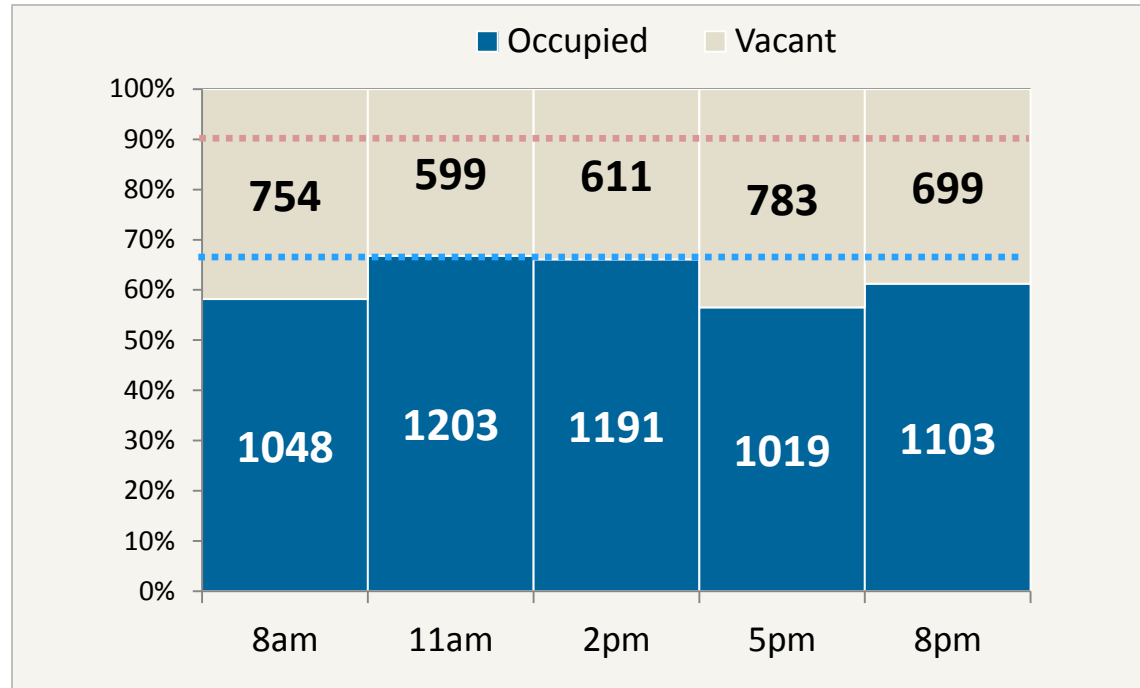
DAVIS SQUARE 2013 | SURFACE PARKING FACING PUBLIC WAYS



DAVIS SQUARE PARKING REGULATIONS



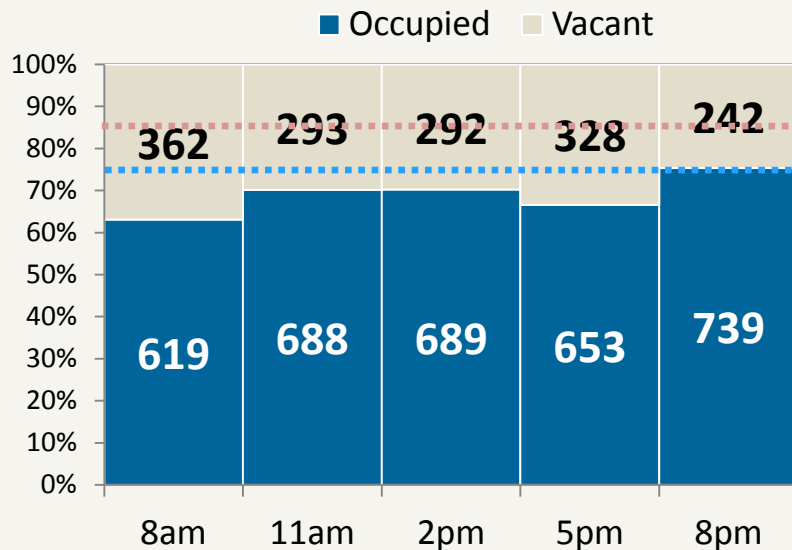
Thursday: All Spaces (Public & Private)



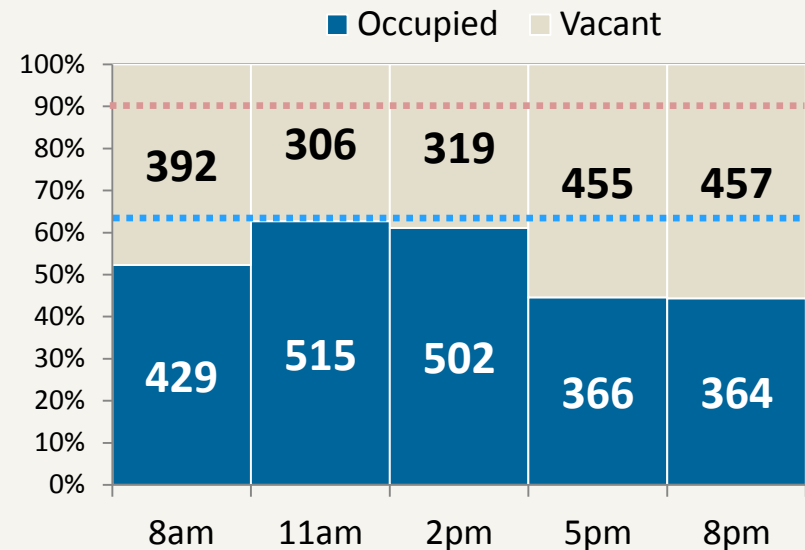
- Spaces in Davis Square are well utilized throughout the weekday, however there is still spare capacity available
- Utilization peaks at lunch time and slightly during the evening hour

Thursday: On- and Off-Street Spaces (Public & Private)

On-Street



Off-Street

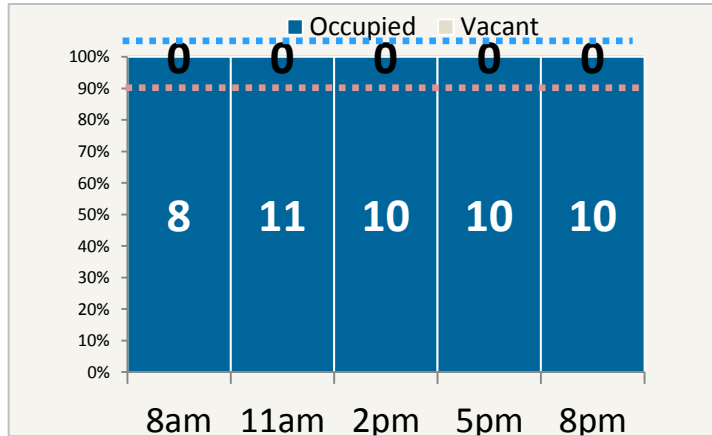


- **On-street demand is consistent throughout the course of a weekday, with a peak utilization during dinner time**
- **Off-street demand peaks during the afternoon lunch period, and does not reach over 63% utilization**

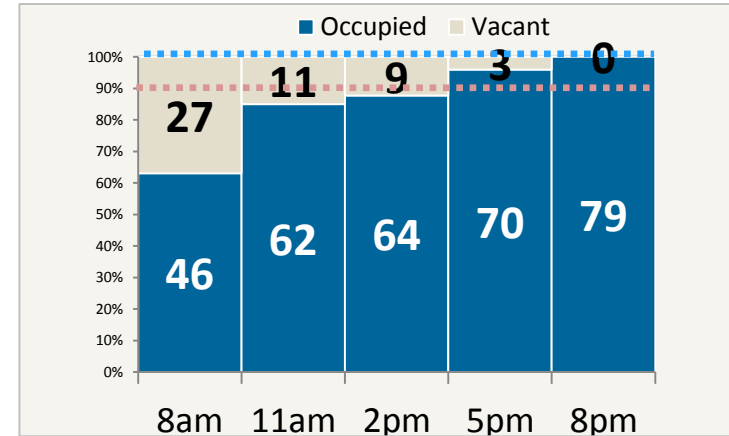
Thursday: On-Street Short-Term Parking

- 8PM shows the highest utilization for public short-term parking
- 15 minute parking exceeds capacity
- 3-Hour Metered shows lowest demand at 5PM, while other regulations continue to increase in demand

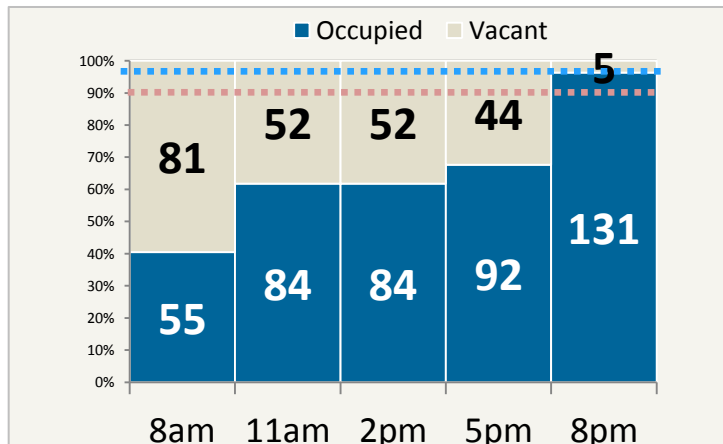
15- Minute



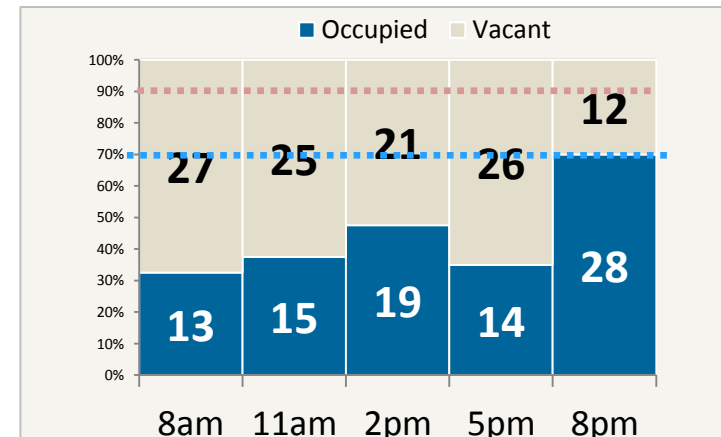
1-Hour Meter



2-Hour Meter

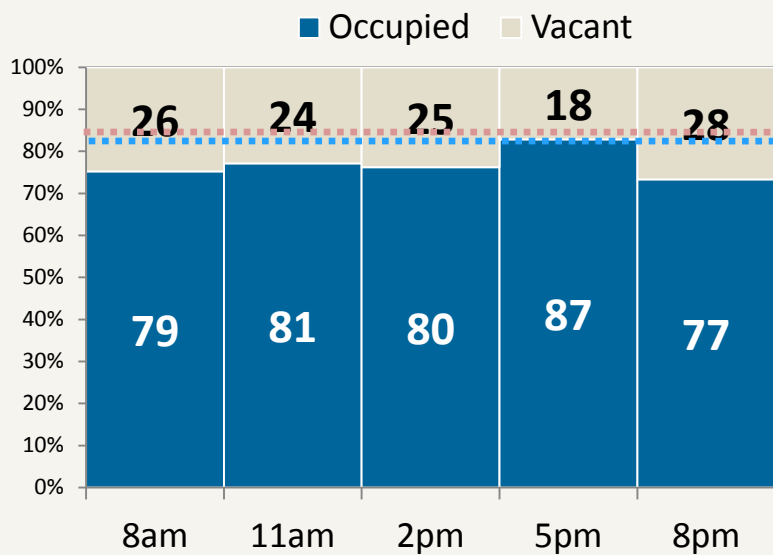


3-Hour Meter

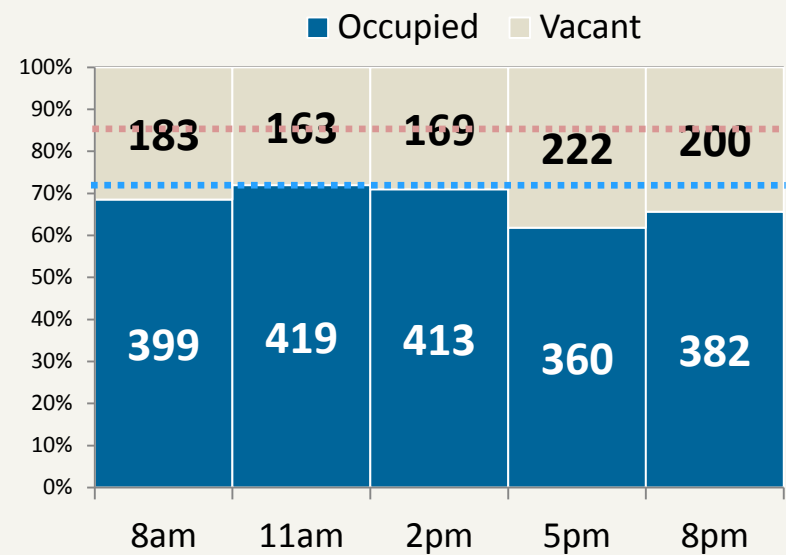


Thursday: On-Street Permit Parking

2 Hour Except for Permit



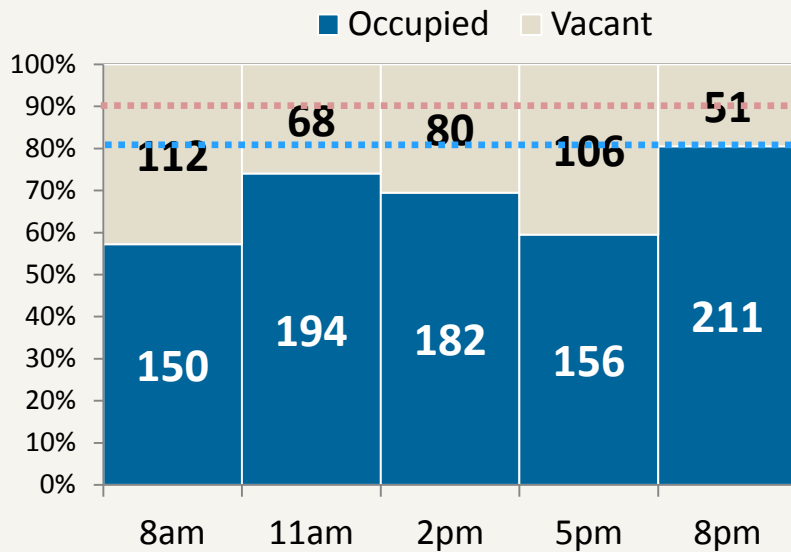
Permit Parking



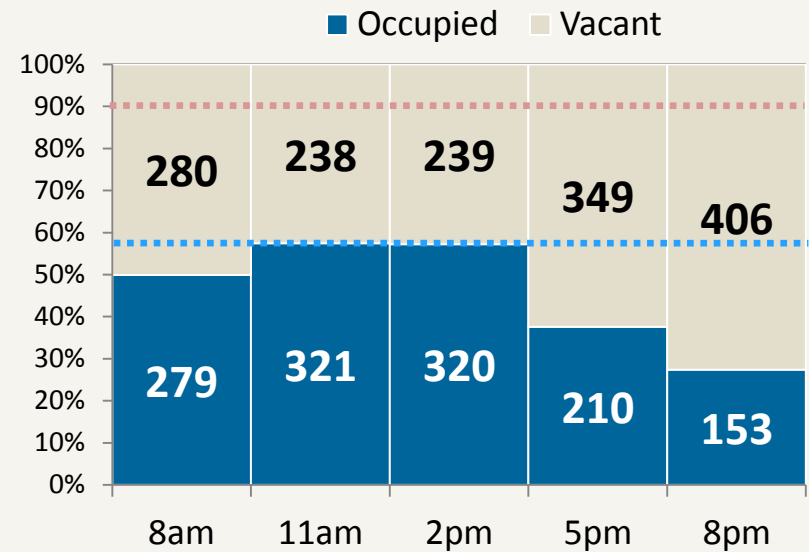
- Permit parking is consistently utilized throughout the day

Thursday: Off-Street Public vs Private

Off-Street Public



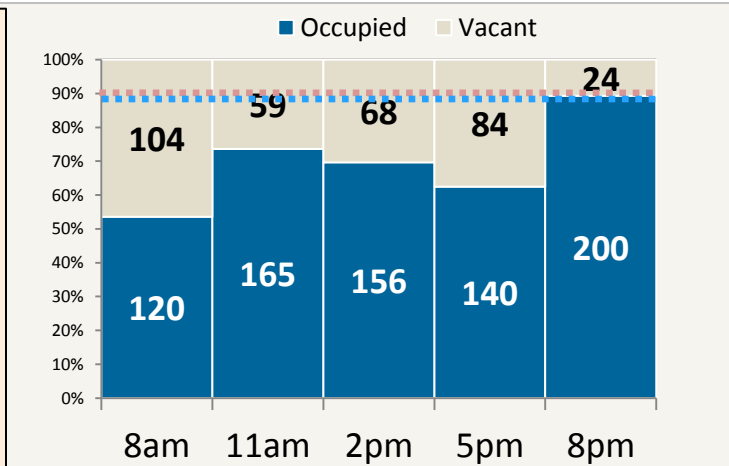
Off-Street Private



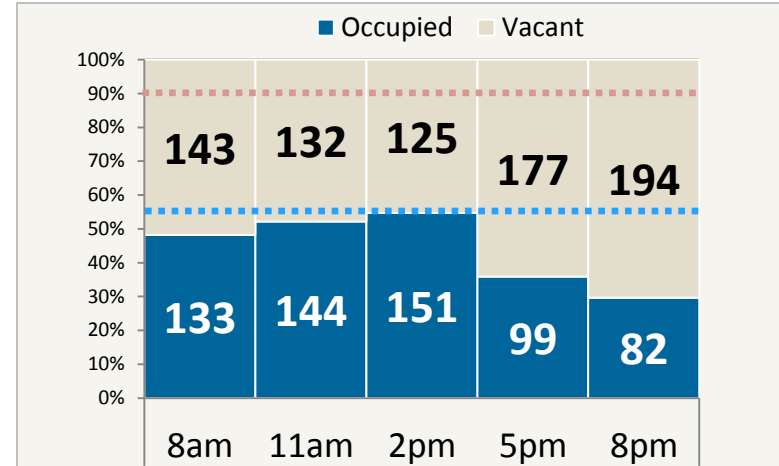
- Demand for public parking responds to the afternoon and evening demand, however there is still spare capacity even during the peak evening hours
- Demand for private parking never exceeds 57%, with the lowest demand during the highest public off-street peak demand

Thursday Off-Street (sample subsets)

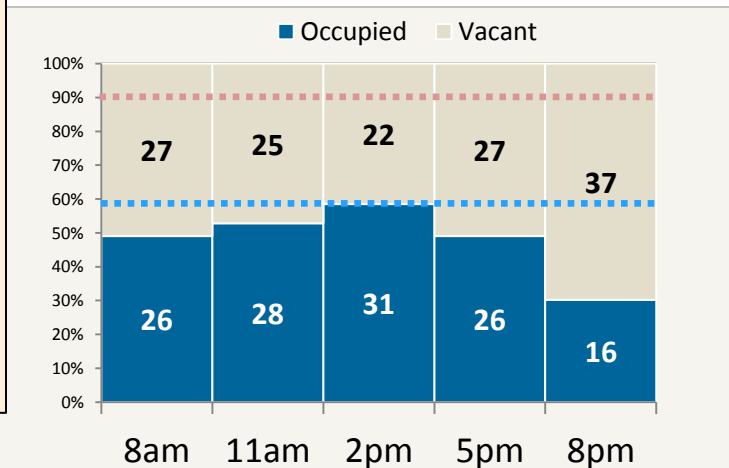
3 Hour Meter



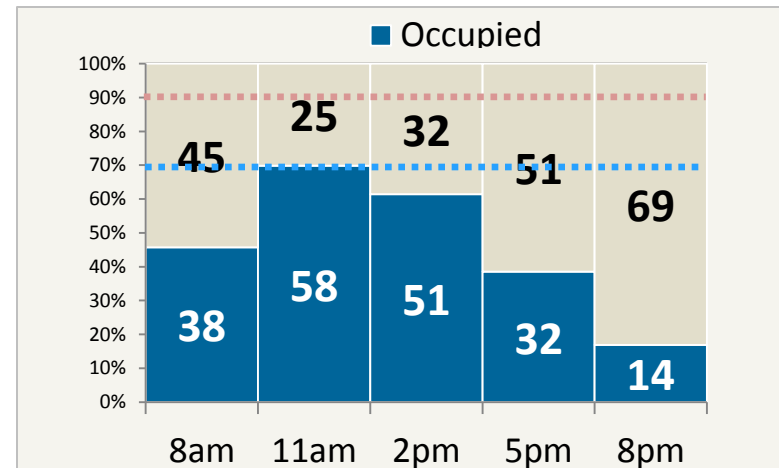
Customer and Employee Parking



Residential Permit

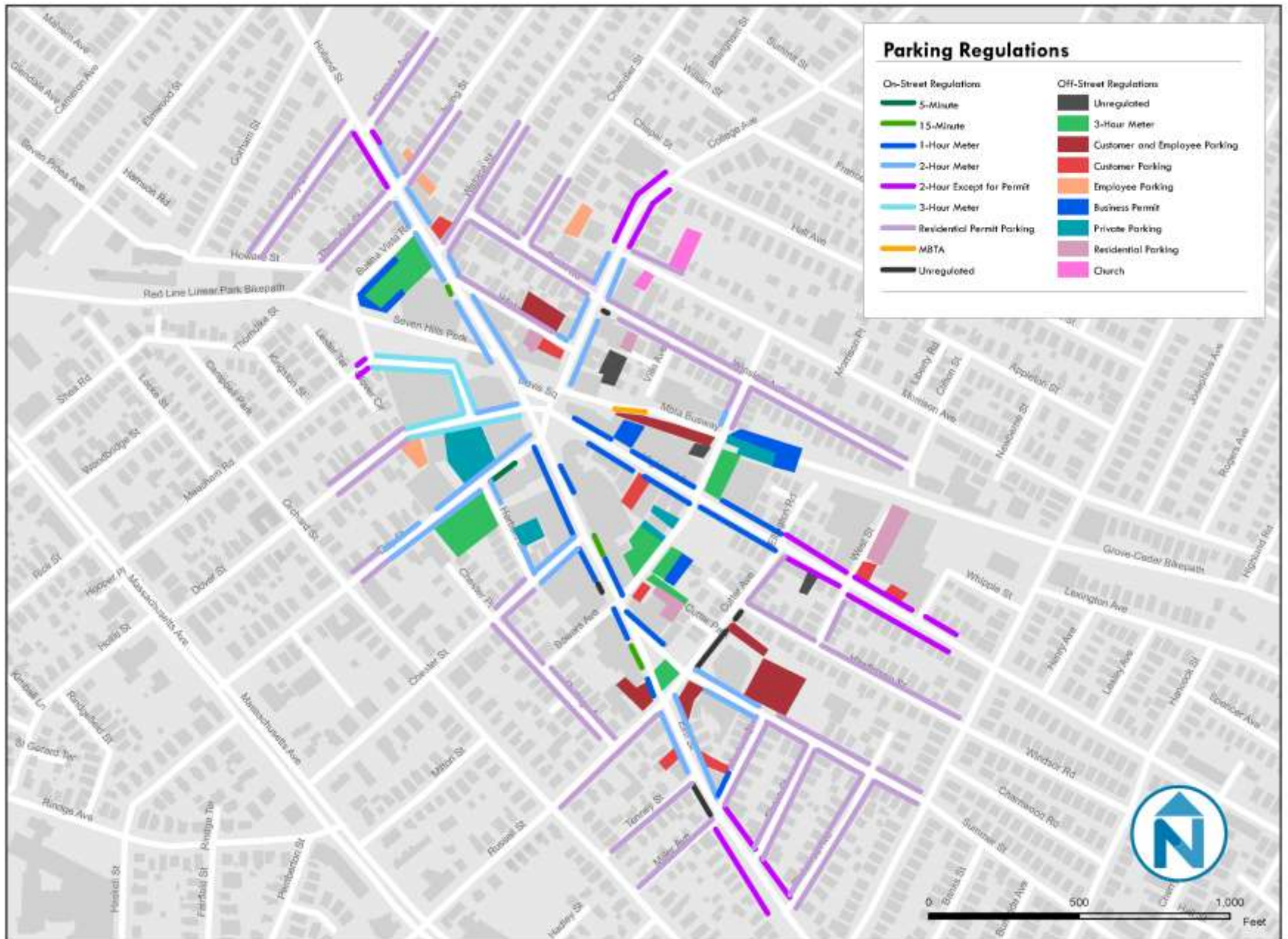


Business Permit

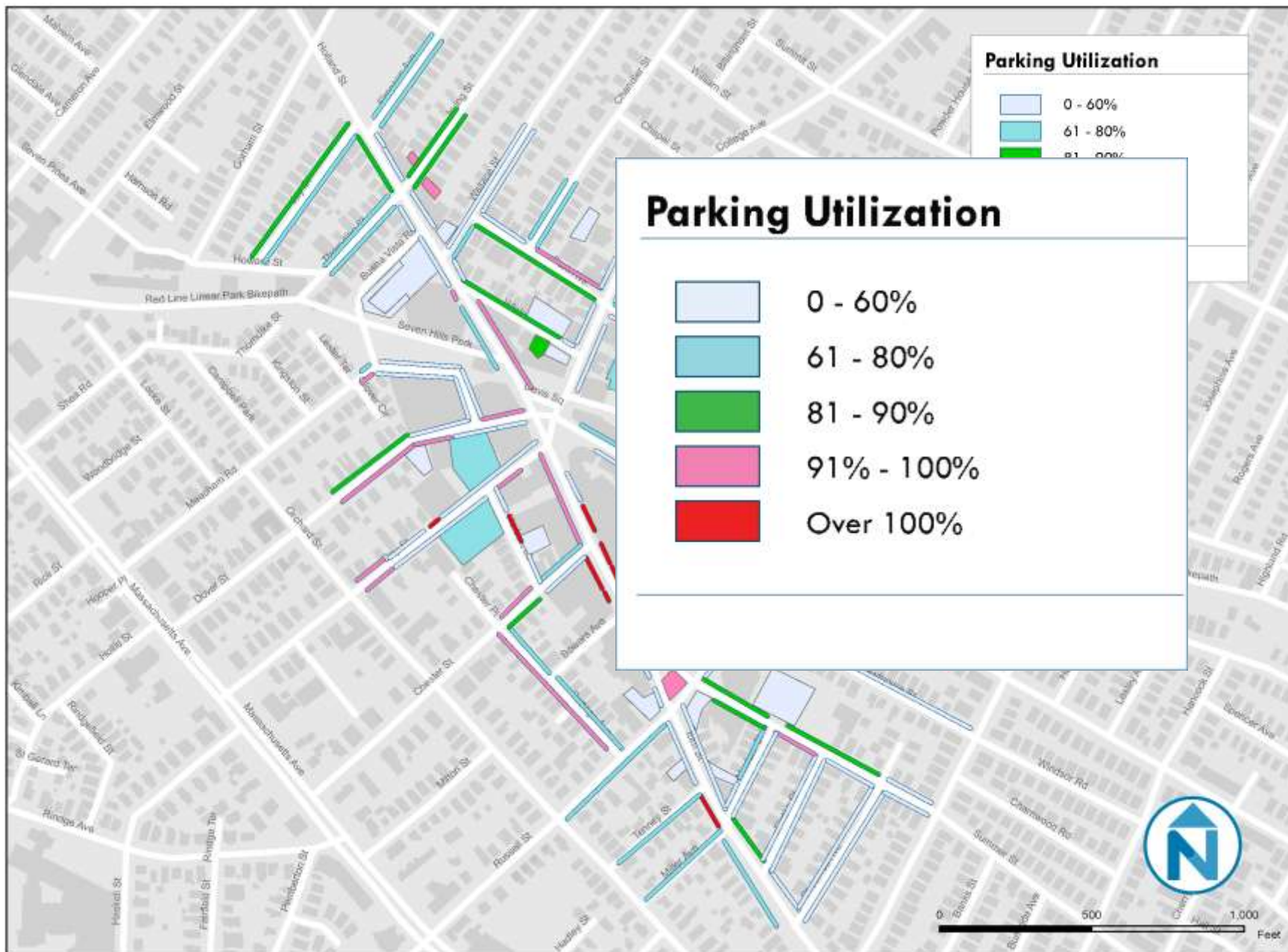


- Private off-street parking is well utilized until 2PM, when utilization drops significantly into the evening hours
- Business permit spaces also become available

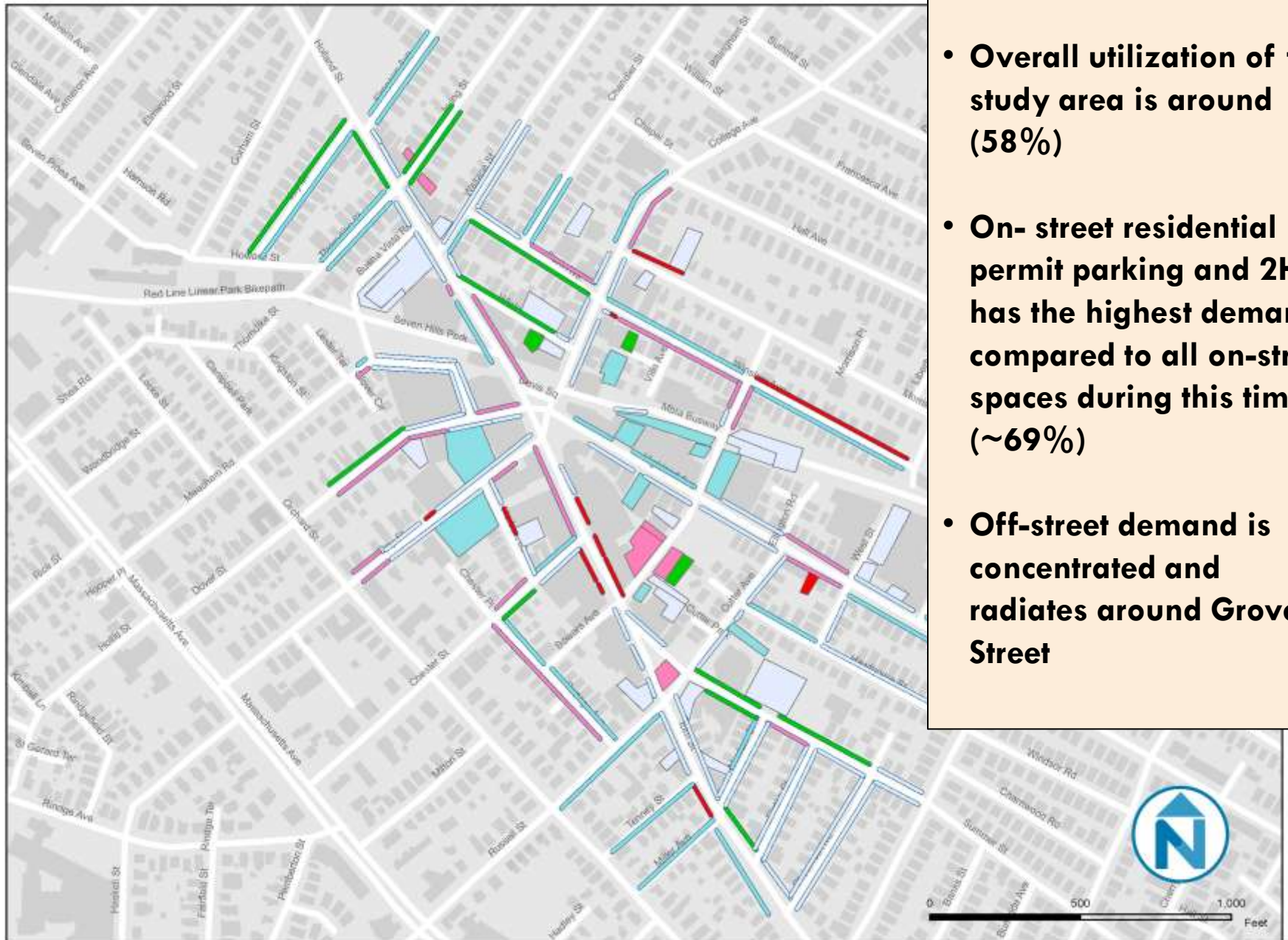
DAVIS SQUARE PARKING REGULATIONS



DAVIS SQUARE PARKING UTILIZATION THURSDAY 8:00AM

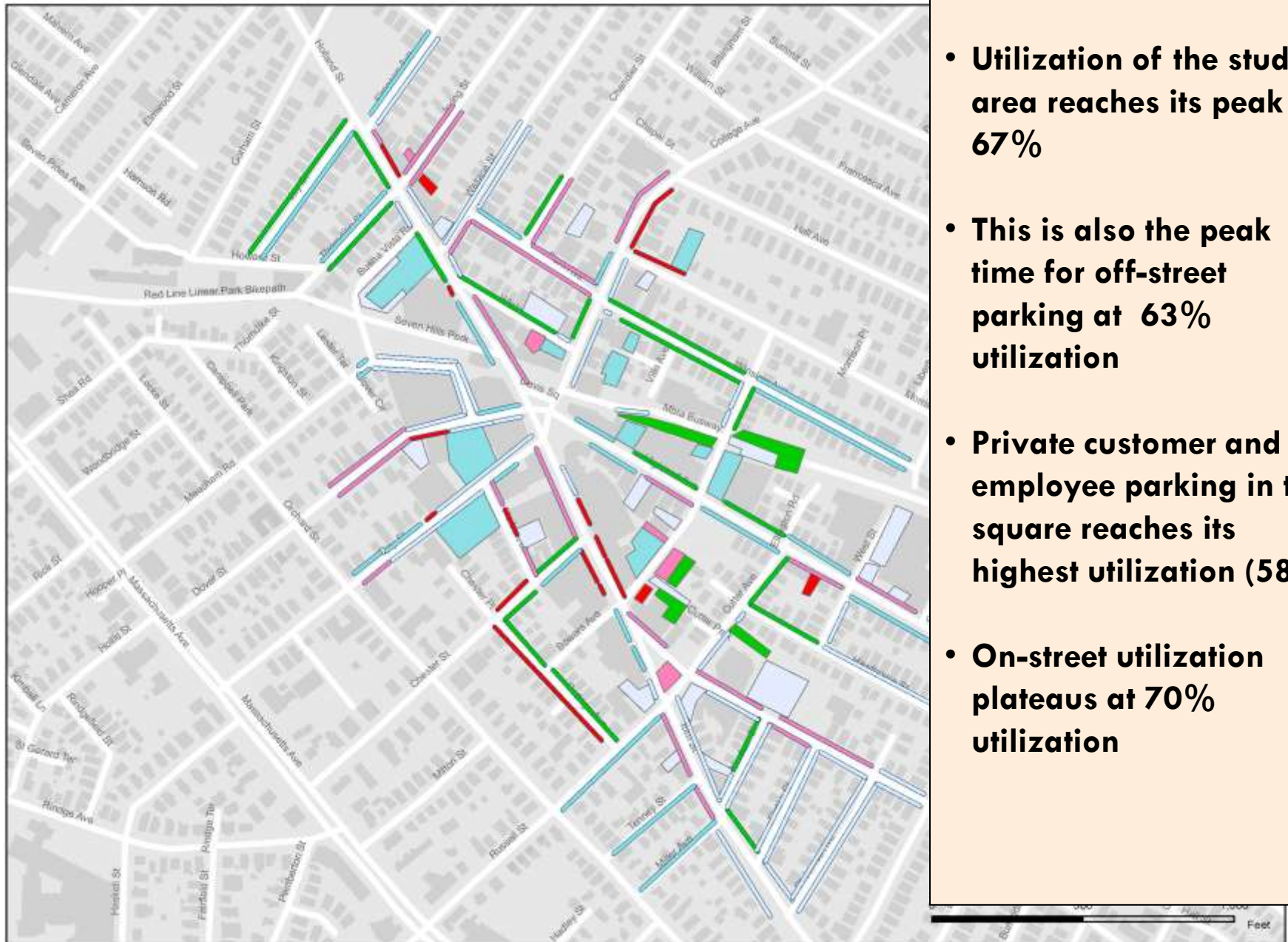


DAVIS SQUARE PARKING UTILIZATION THURSDAY 8:00AM



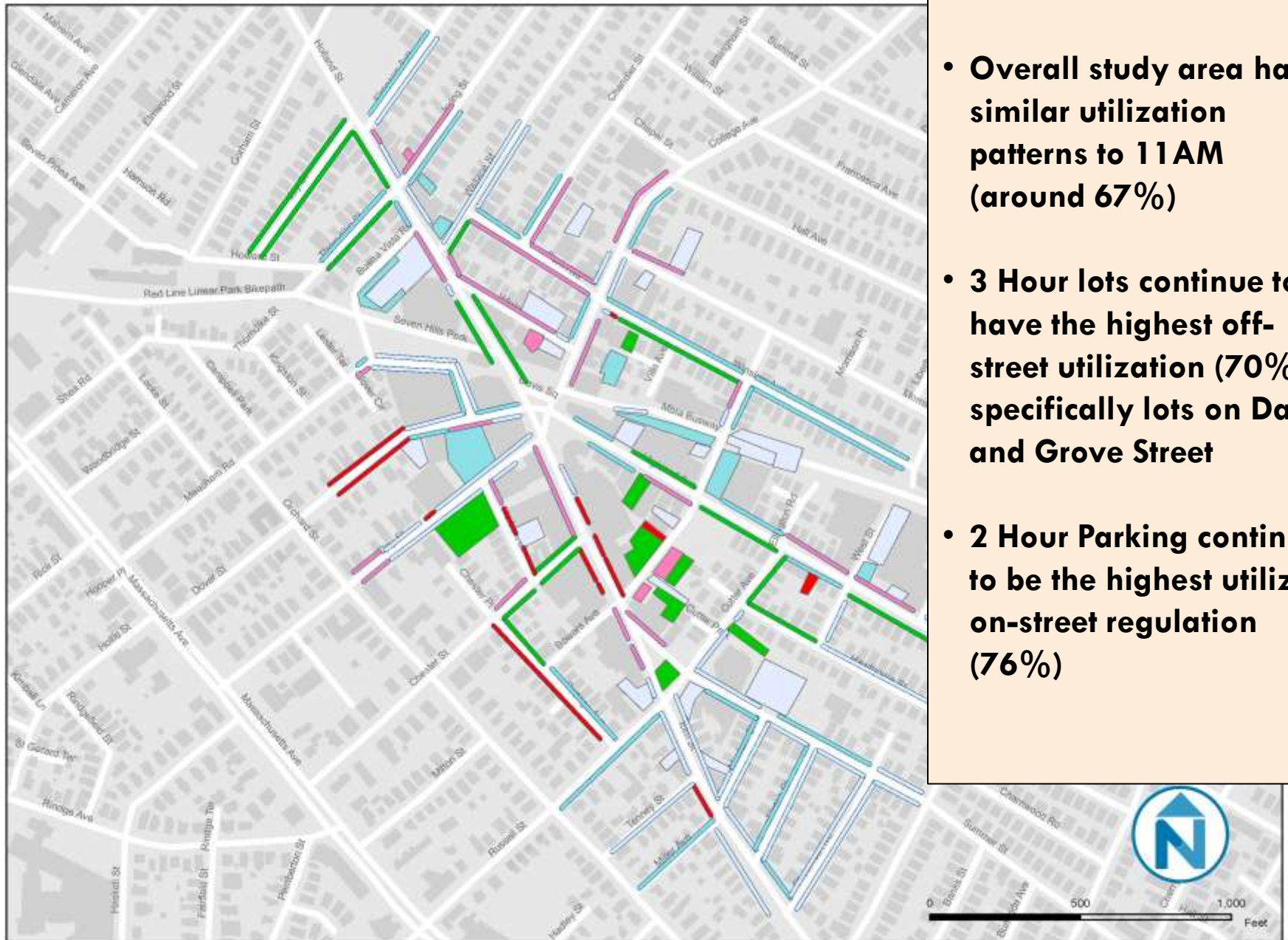
- Overall utilization of the study area is around (58%)
- On- street residential permit parking and 2H has the highest demand compared to all on-street spaces during this time (~69%)
- Off-street demand is concentrated and radiates around Grove Street

DAVIS SQUARE PARKING UTILIZATION THURSDAY 11:00AM



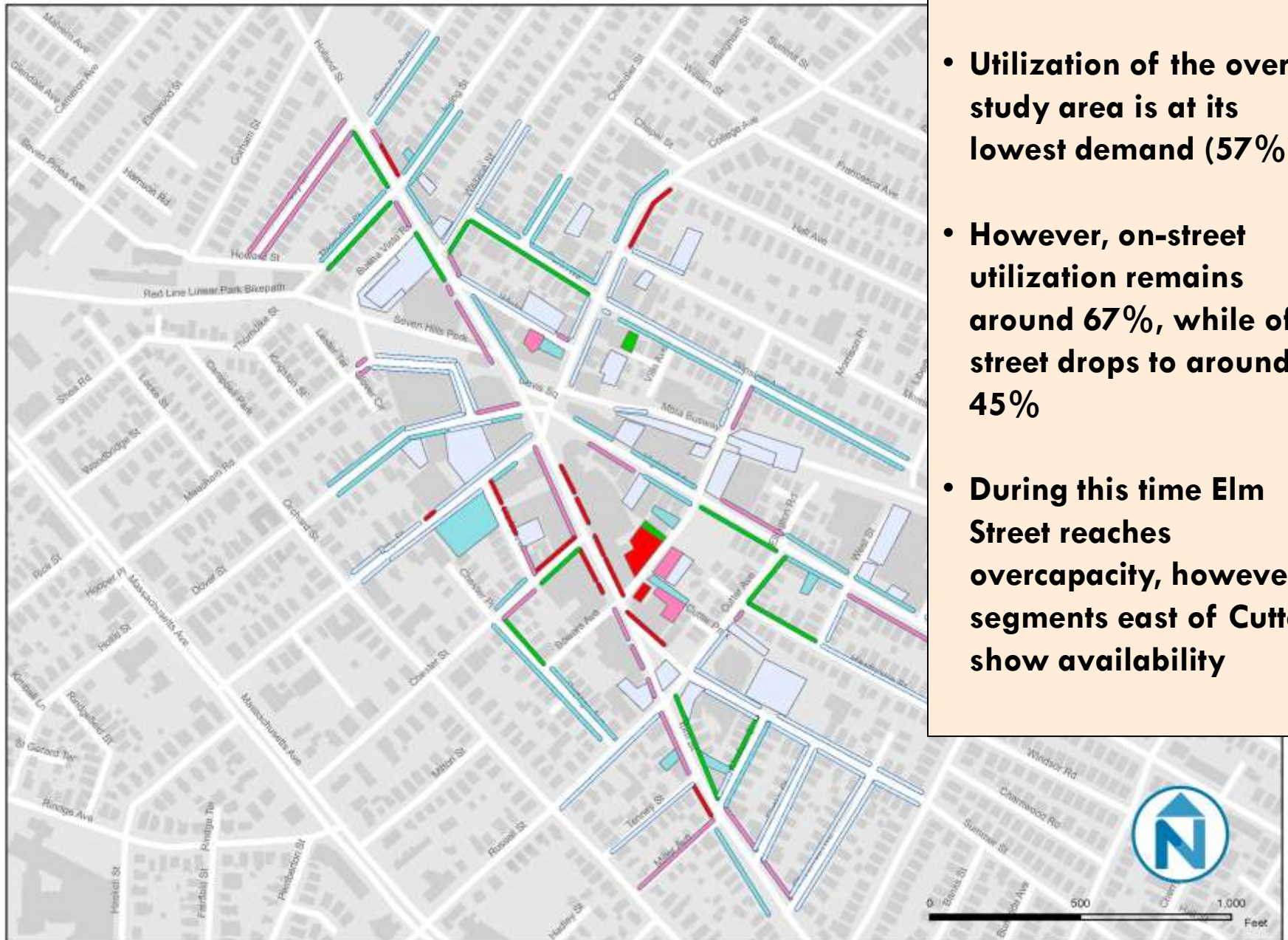
- Utilization of the study area reaches its peak at **67%**
- This is also the peak time for off-street parking at **63%** utilization
- Private customer and employee parking in the square reaches its highest utilization (**58%**)
- On-street utilization plateaus at **70%** utilization

DAVIS SQUARE PARKING UTILIZATION THURSDAY 2:00PM



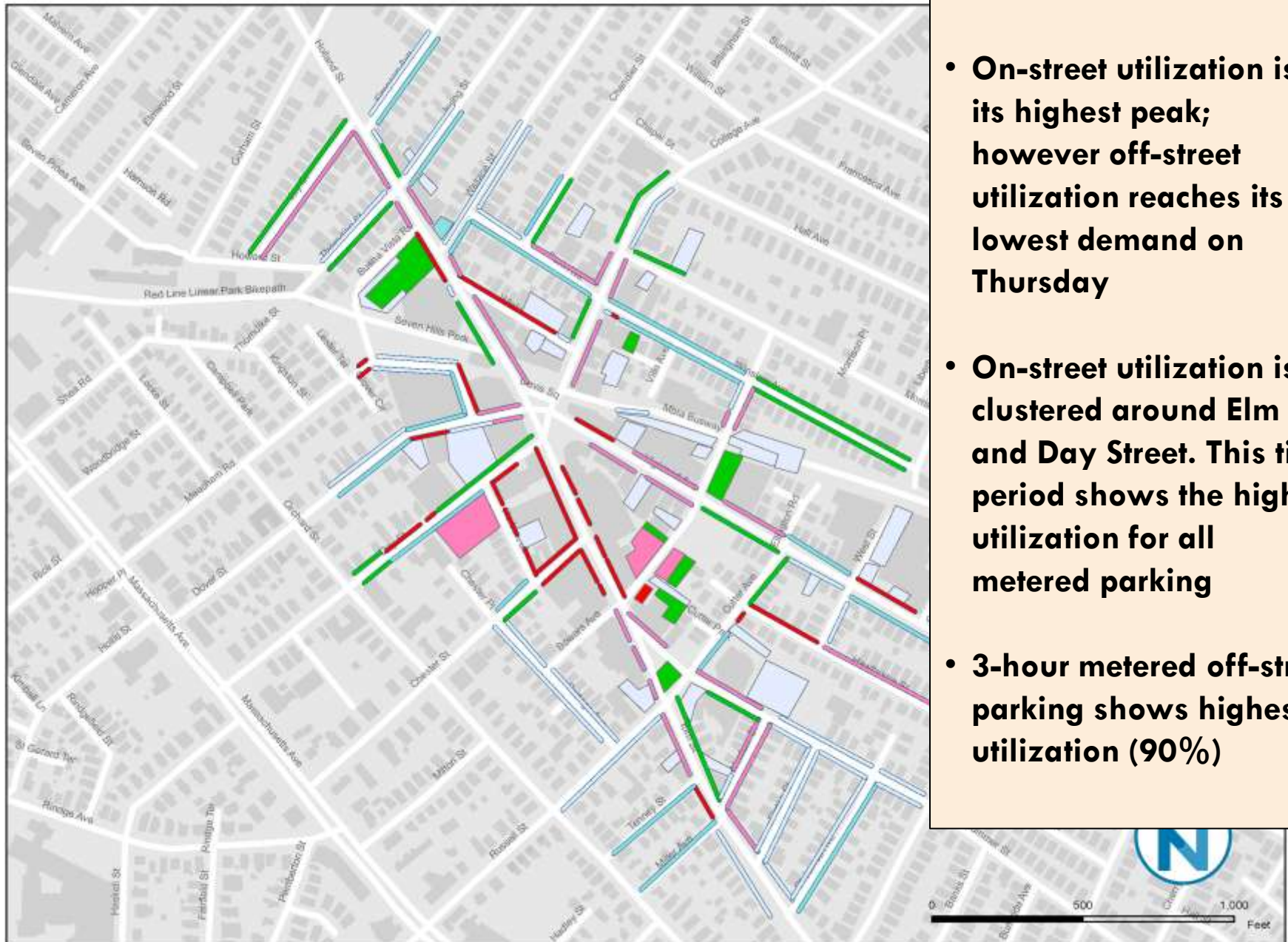
- Overall study area has similar utilization patterns to 11 AM (around 67%)
- 3 Hour lots continue to have the highest off-street utilization (70%) specifically lots on Day and Grove Street
- 2 Hour Parking continues to be the highest utilized on-street regulation (76%)

DAVIS SQUARE PARKING UTILIZATION THURSDAY 5:00PM



- Utilization of the overall study area is at its lowest demand (57%)
- However, on-street utilization remains around 67%, while off-street drops to around 45%
- During this time Elm Street reaches overcapacity, however segments east of Cutter show availability

DAVIS SQUARE PARKING UTILIZATION THURSDAY 8:00PM



- **On-street utilization is at its highest peak; however off-street utilization reaches its lowest demand on Thursday**
- **On-street utilization is clustered around Elm and Day Street. This time period shows the highest utilization for all metered parking**
- **3-hour metered off-street parking shows highest utilization (90%)**

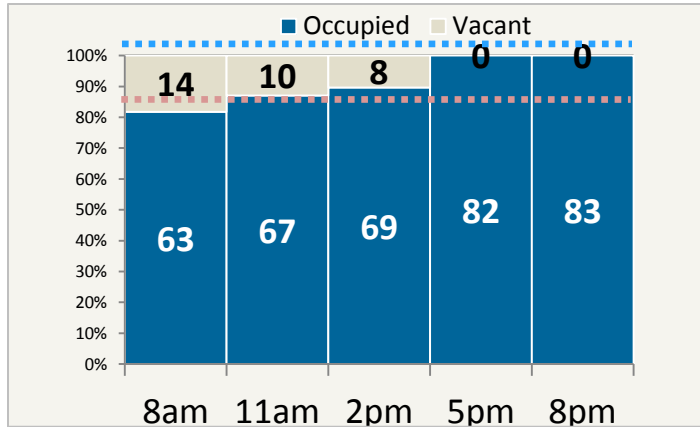
DAVIS SQUARE PARKING UTILIZATION THURSDAY DAILY AVERAGE



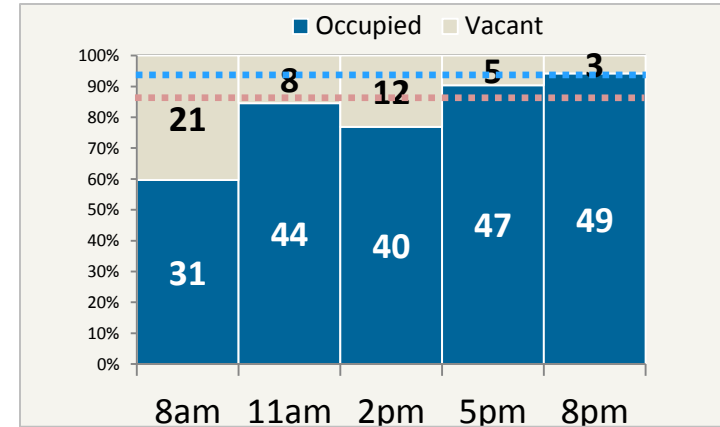
Major Streets

- All major streets reach ideal capacity during the evening hours, with the exception of College Ave at 5PM
- Elm Street exceeds capacity during the evening hours

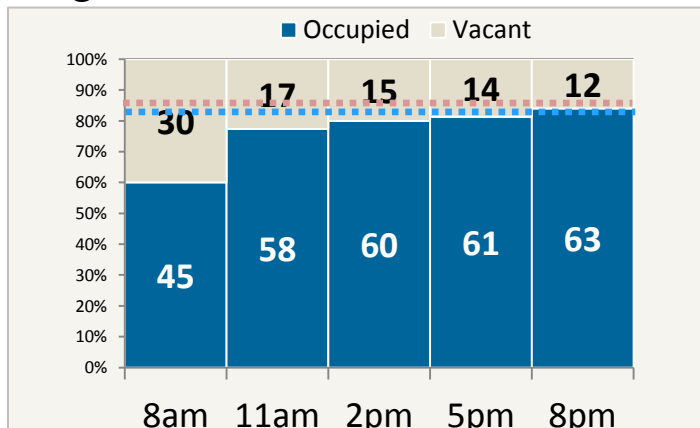
Elm Street



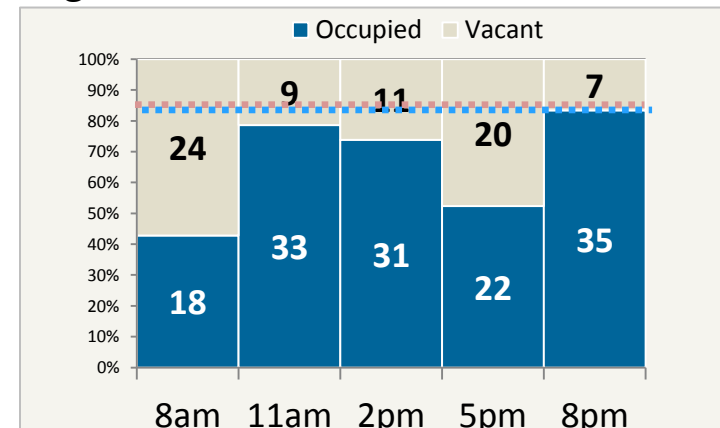
Holland Street



Highland Avenue

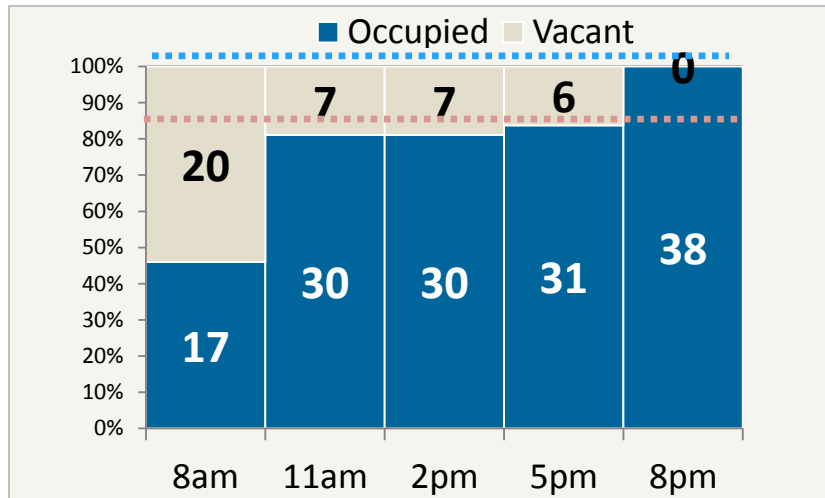


College Avenue

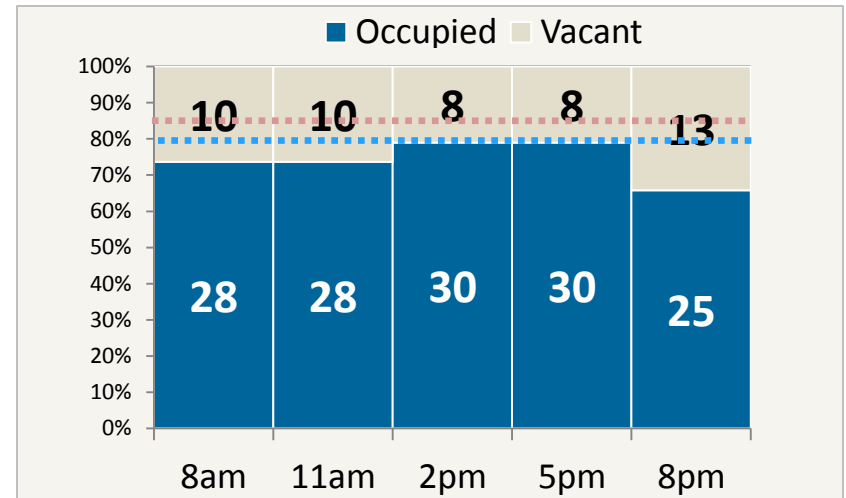


Focus Areas: Highland Avenue

West of Cutter Avenue



East of Cutter Avenue



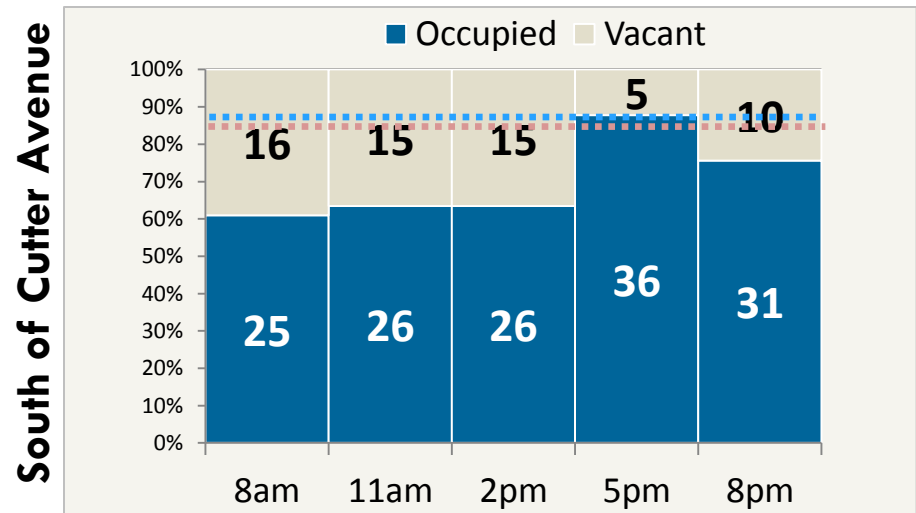
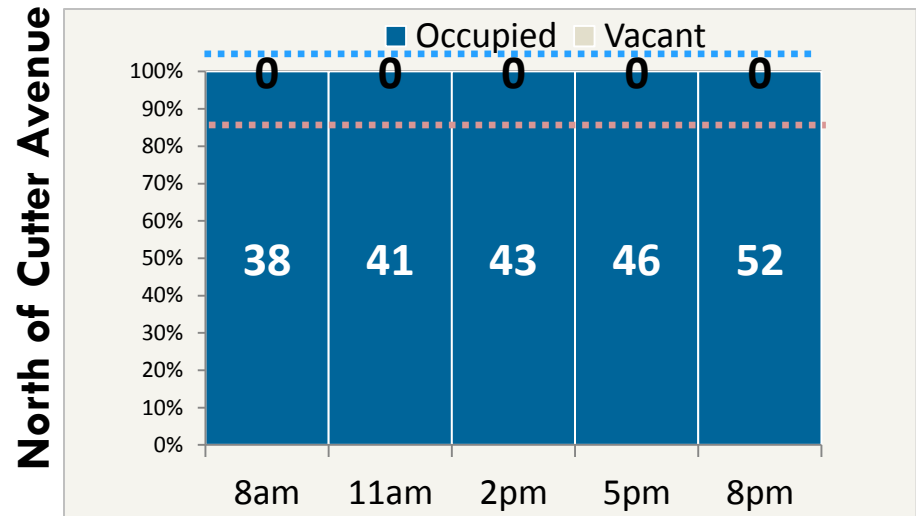
- The eastern segment shows more consistent utilization throughout the day (2-hour or PP)
- The western segment (1 hr meter parking) has a higher demand during the peak evening hour



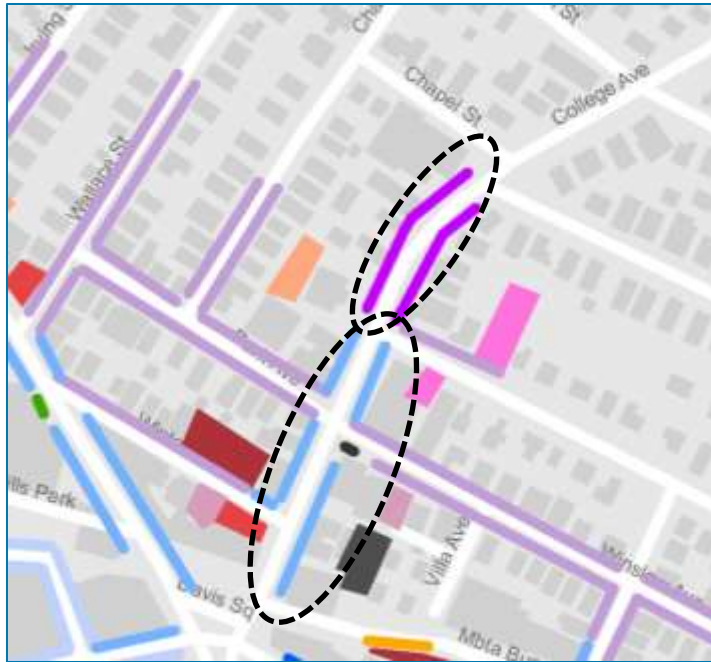
Focus Areas: Elm Street



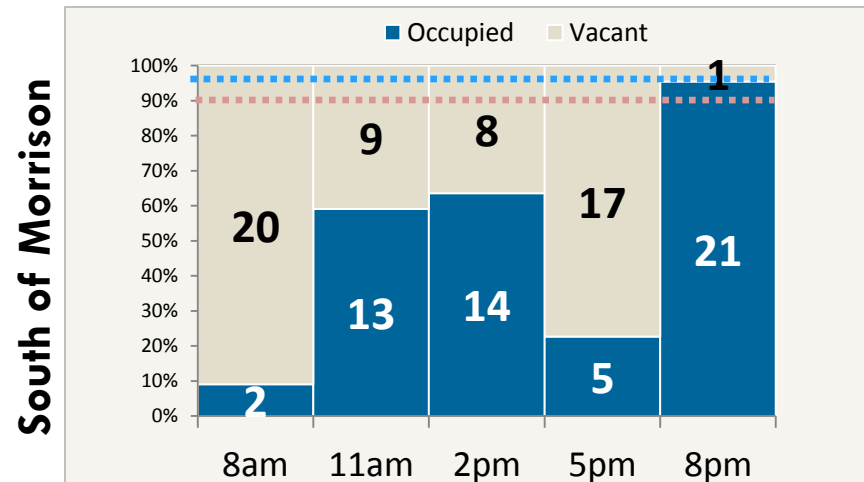
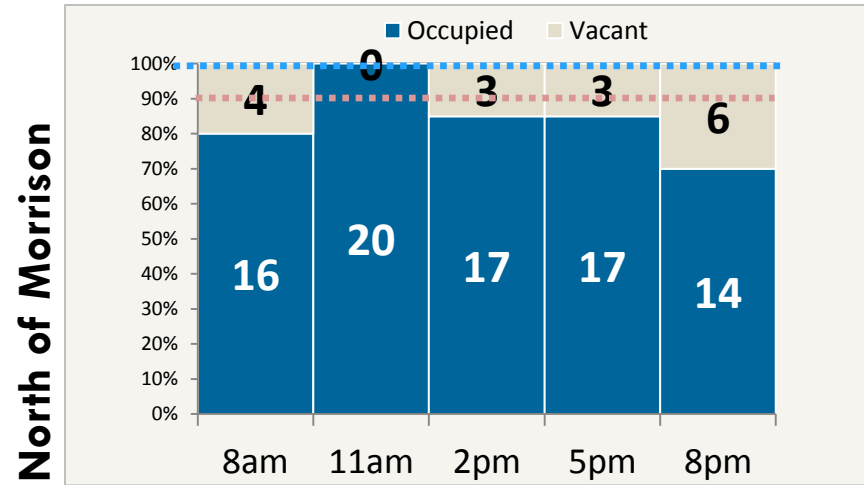
- Demand north of Cutter is over capacity throughout the day
- South of Cutter, there is spare capacity during these same periods



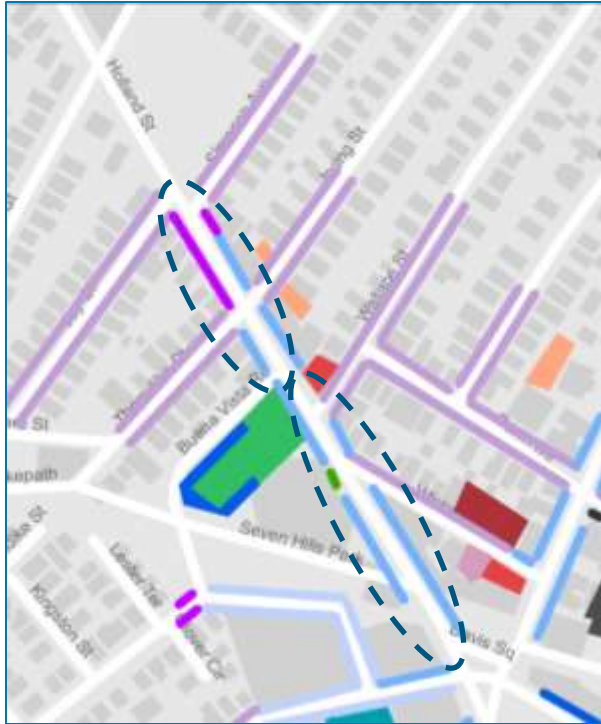
Focus Areas: College Avenue



- Residential Permit Parking (north of Morrison) shows higher and more consistent utilization patterns
- 2-hour meter parking (south) shows demand during the lunch time and dinner time peak periods

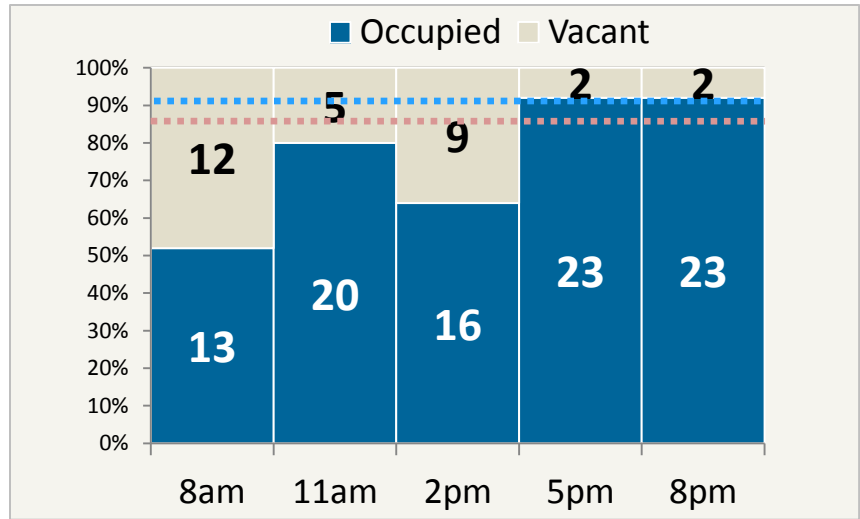


Focus Areas: Holland Street

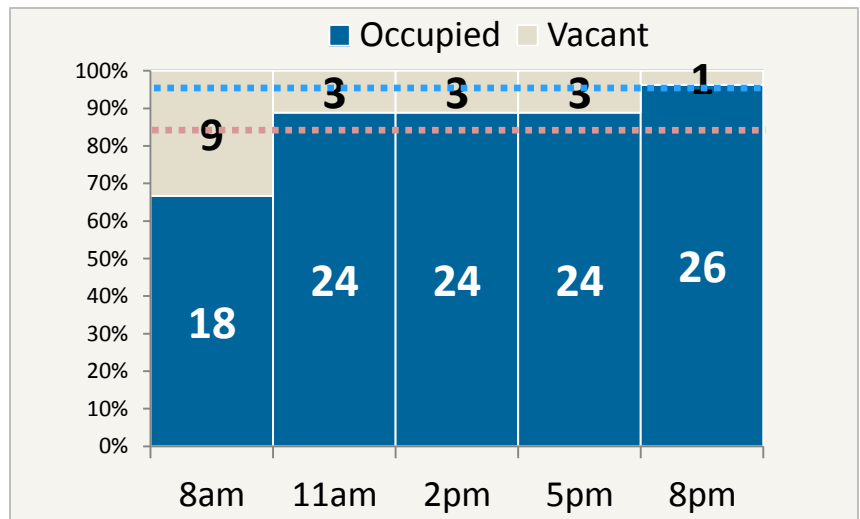


- Utilization south of Buena Vista is at ideal capacity throughout a majority of the day and more consistently utilized
- The northern segment reaches ideal capacity during the evening hours

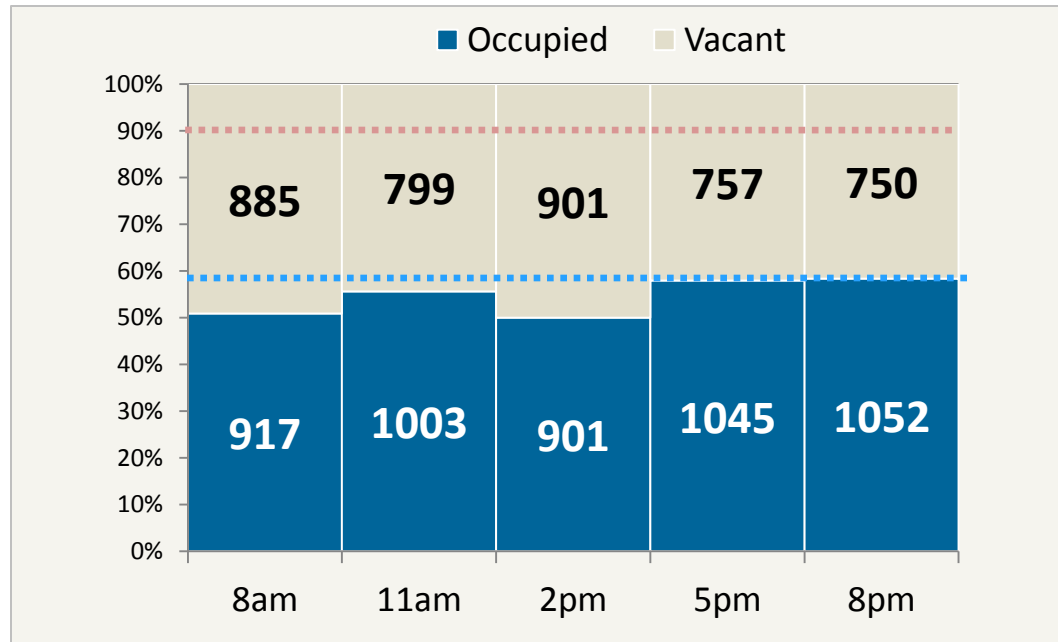
North of Buena Vista



South of Buena Vista



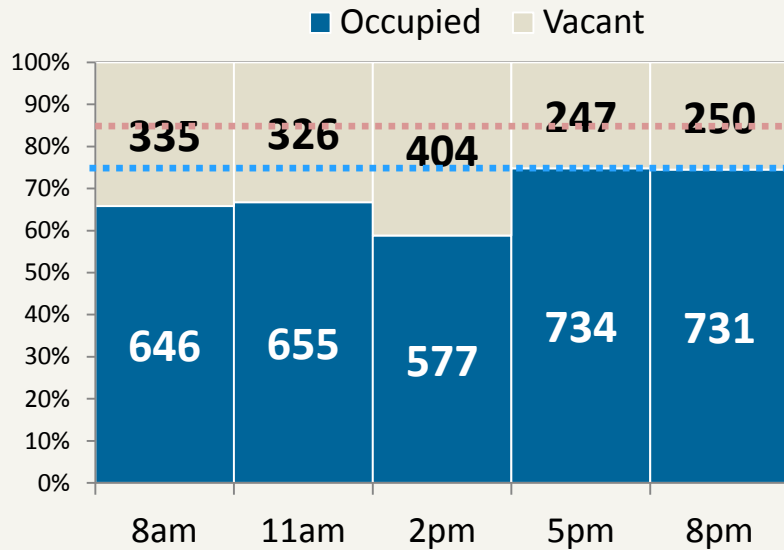
Saturday- All Spaces



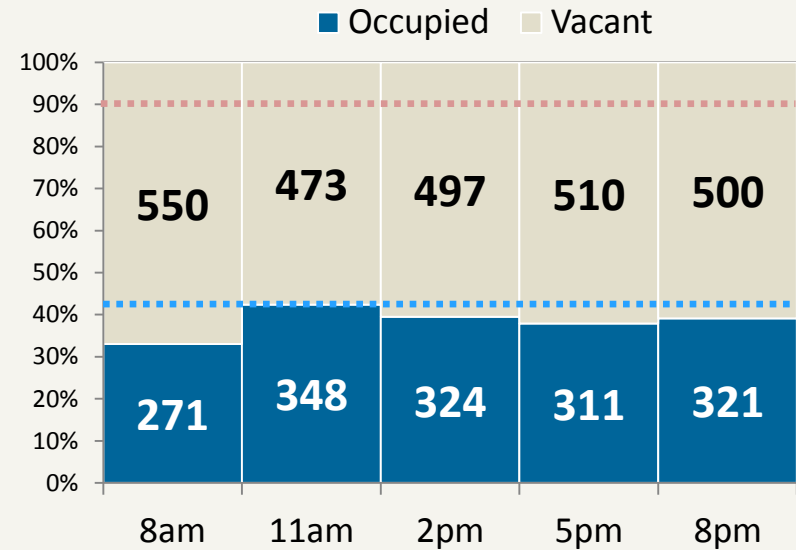
- **The average utilization on Saturday is around 55% compared to 61% during average Thursday**
- **Similar to the weekday, utilization peaks slightly at lunch time and during the evening hour**

Saturday- On- and Off-Street Spaces

On-Street



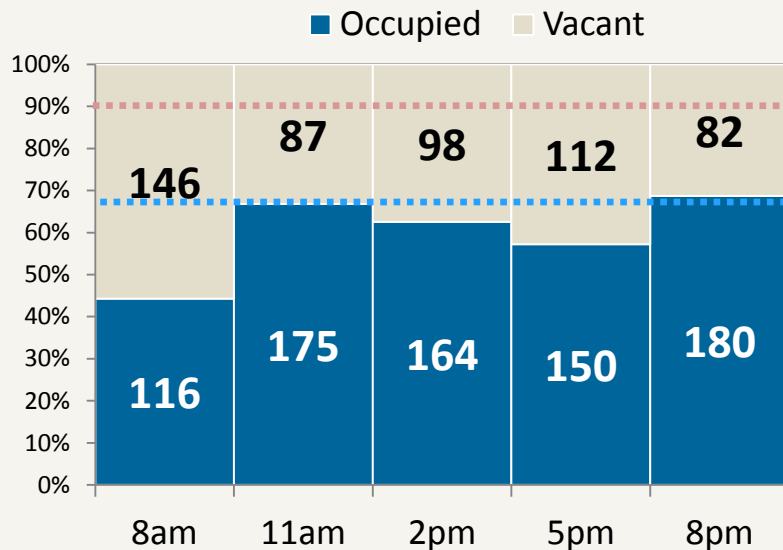
Off-Street



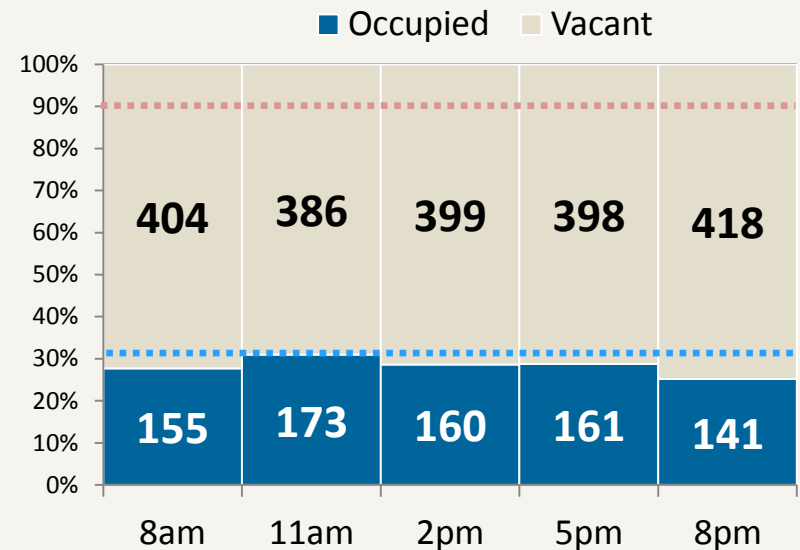
- **Similar to Thursday, on-street demand is highest during the evening hours with about 75% utilization**
- **Off-street demand is significantly lower on Saturday with utilization never reaching higher than 43% compared to 63% on Thursday**

Saturday- Off-Street Public vs Private

Off-Street Public

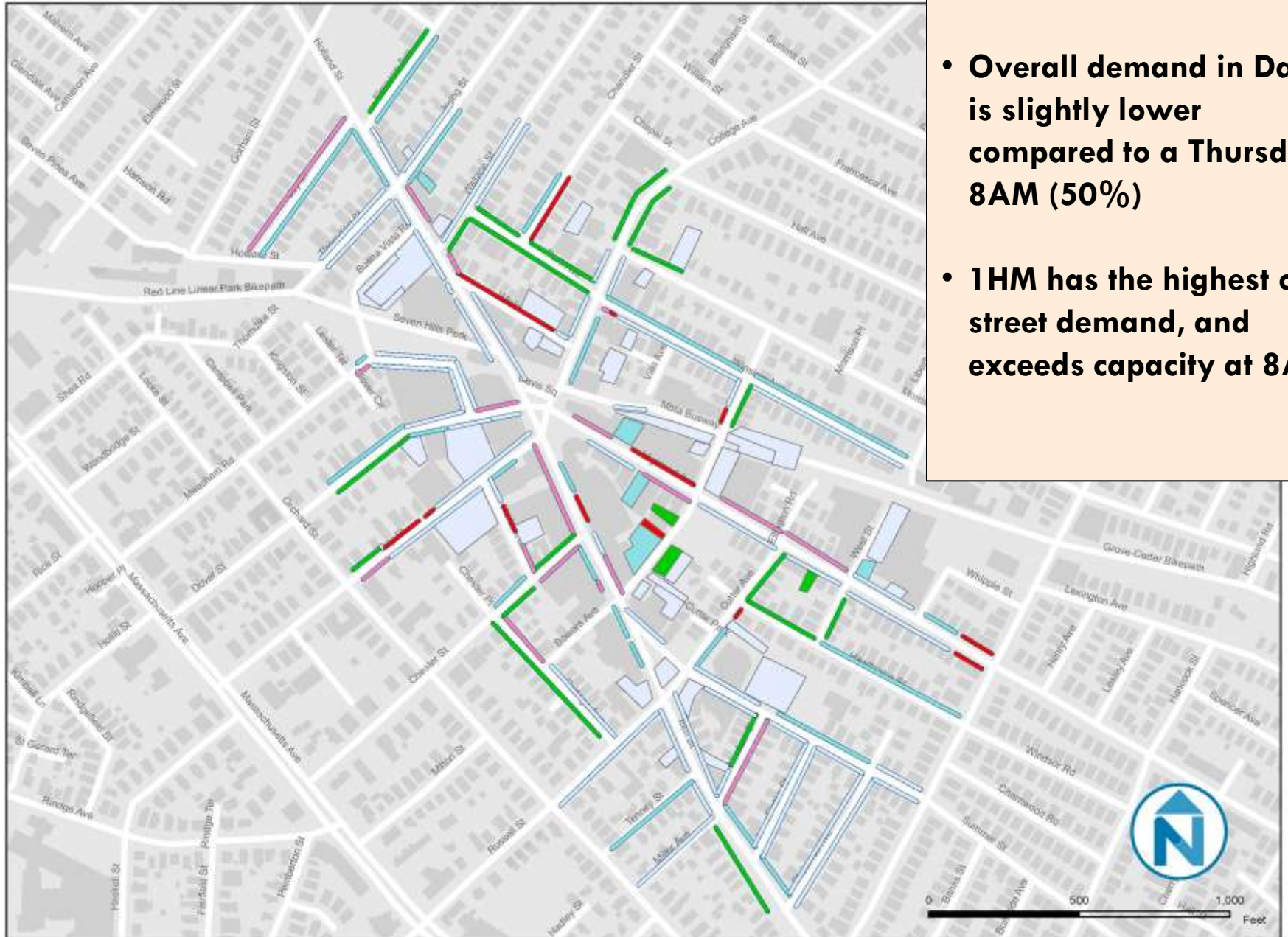


Off-Street Private



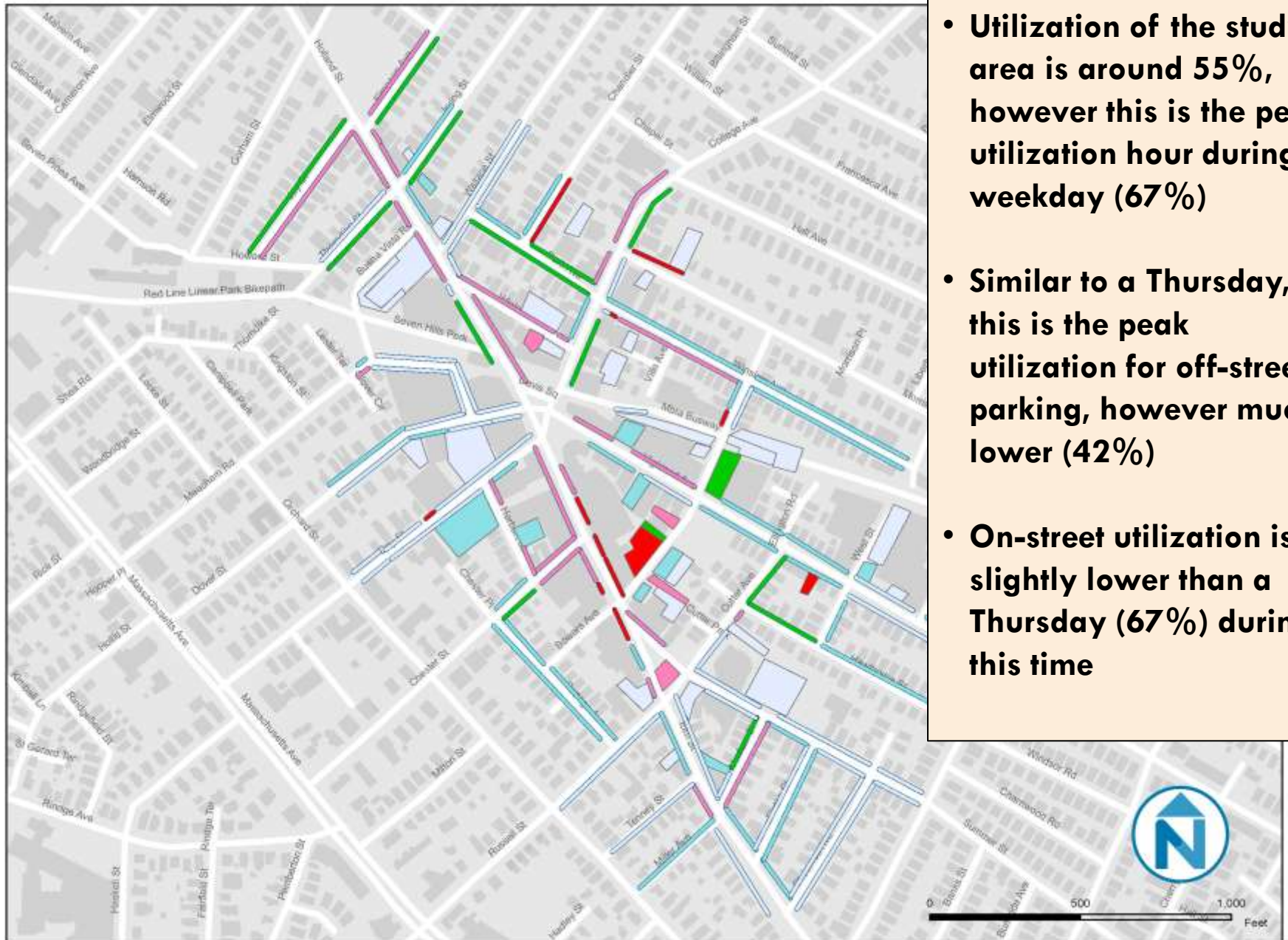
- Demand for public off-street is slightly lower on Saturday, where the 8PM peak is less than 70% compared to Thursday (81%)
- Demand for private parking is significantly lower compared to on Saturday (31%) compared to Thursday

DAVIS SQUARE PARKING UTILIZATION SATURDAY 8:00AM



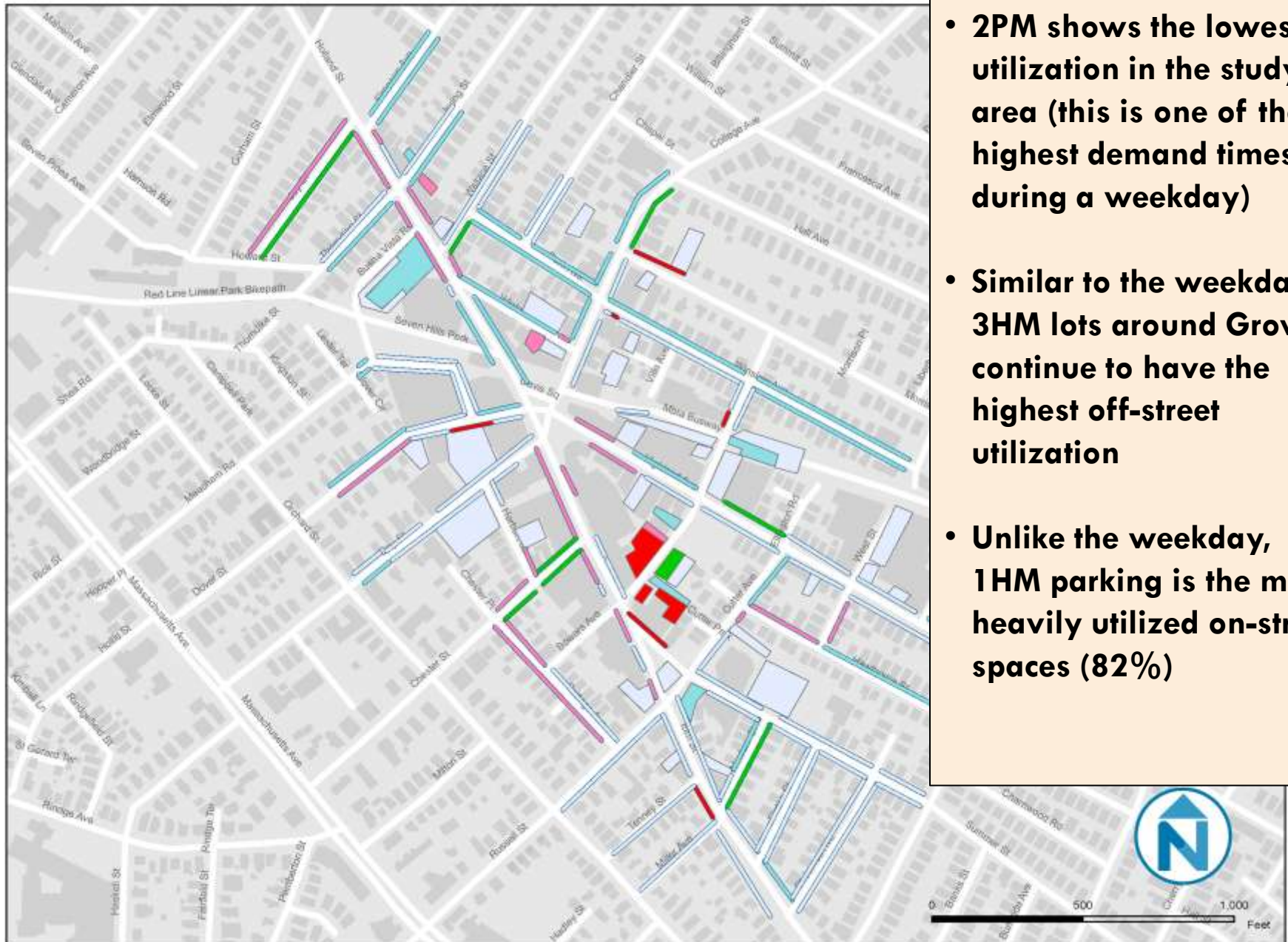
- Overall demand in Davis is slightly lower compared to a Thursday 8AM (50%)
- IHM has the highest on-street demand, and exceeds capacity at 8AM

DAVIS SQUARE PARKING UTILIZATION SATURDAY 11:00AM



- Utilization of the study area is around 55%, however this is the peak utilization hour during a weekday (67%)
- Similar to a Thursday, this is the peak utilization for off-street parking, however much lower (42%)
- On-street utilization is slightly lower than a Thursday (67%) during this time

DAVIS SQUARE PARKING UTILIZATION SATURDAY 2:00PM



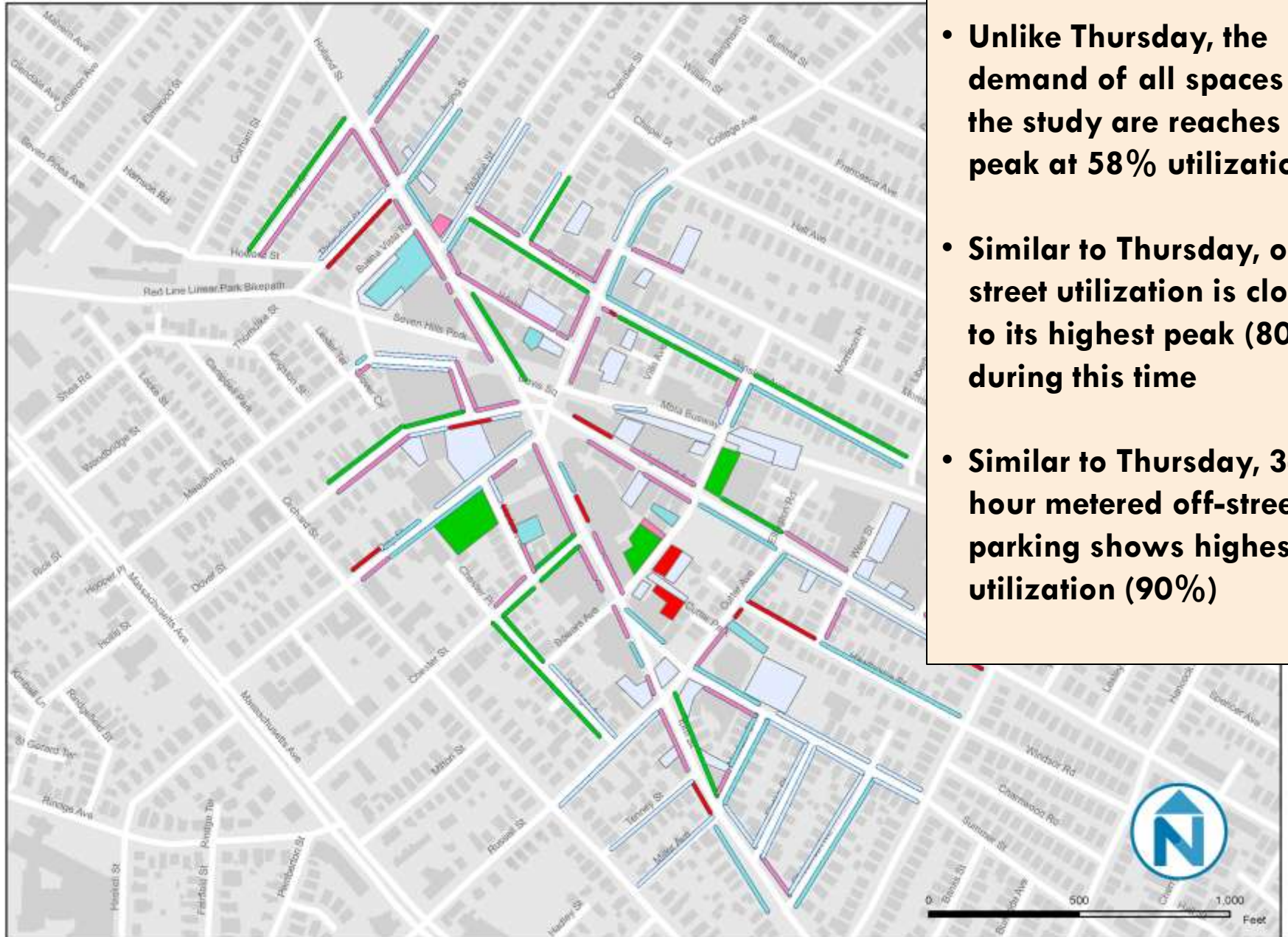
- **2PM shows the lowest utilization in the study area (this is one of the highest demand times during a weekday)**
- **Similar to the weekday, 3HM lots around Grove continue to have the highest off-street utilization**
- **Unlike the weekday, 1HM parking is the most heavily utilized on-street spaces (82%)**

DAVIS SQUARE PARKING UTILIZATION SATURDAY 5:00PM



- **This time represents one of the highest demand periods during a weekend (58%), however it is the lowest demand time during a weekday**
- **On-street utilization reaches its peak at 75%, while off-street demand plateaus at 38% (similar to weekday)**
- **Similar to the weekday, Elm Street is heavily utilized, almost reaching capacity**
- **Unlike the weekday, College Avenue reaches ideal capacity (88%)**

DAVIS SQUARE PARKING UTILIZATION SATURDAY 8:00PM



- **Unlike Thursday, the demand of all spaces in the study are reaches its peak at 58% utilization**
- **Similar to Thursday, on-street utilization is close to its highest peak (80%) during this time**
- **Similar to Thursday, 3-hour metered off-street parking shows highest utilization (90%)**

DAVIS SQUARE PARKING UTILIZATION SATURDAY DAILY AVERAGE

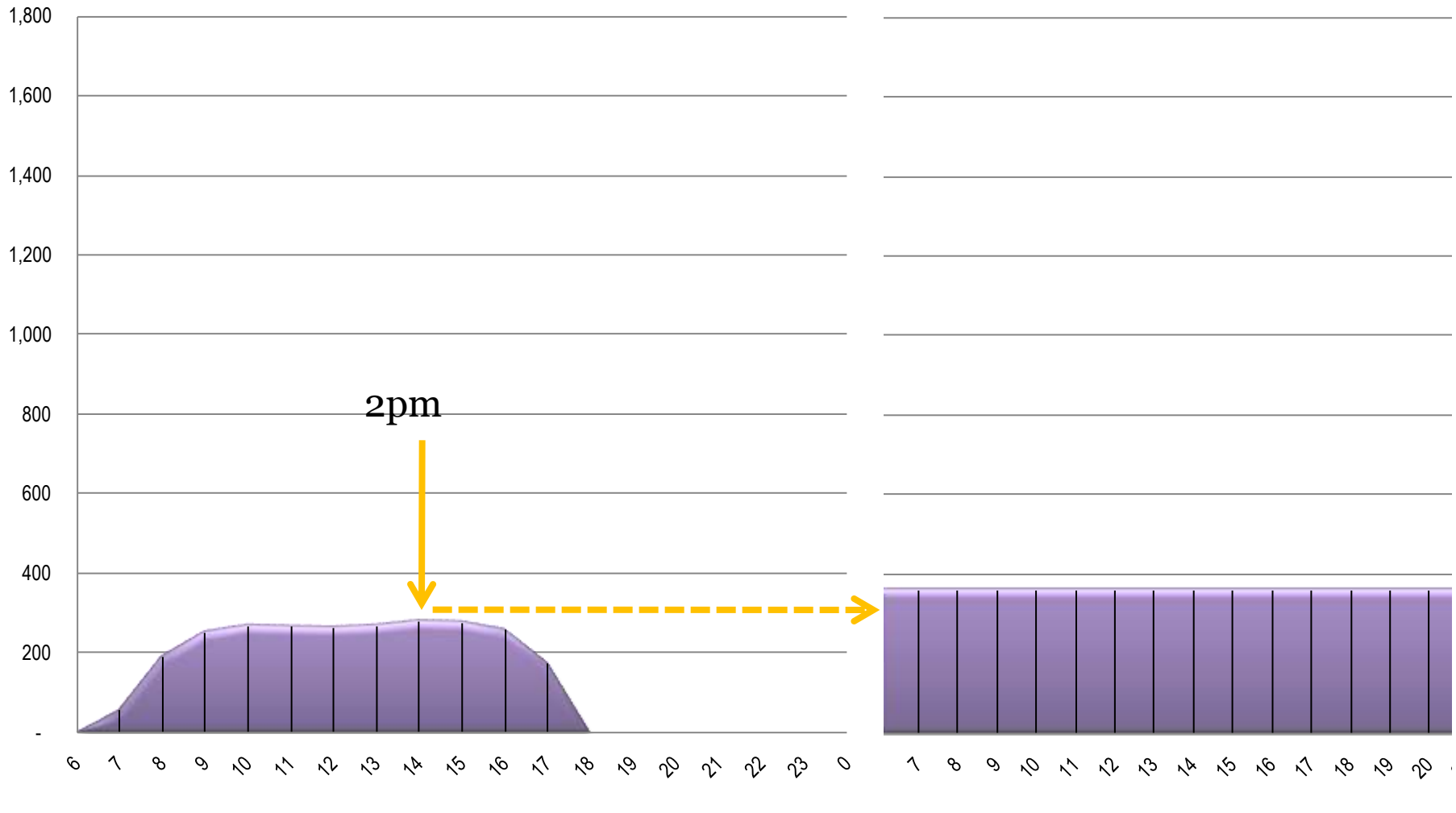


Shared Parking



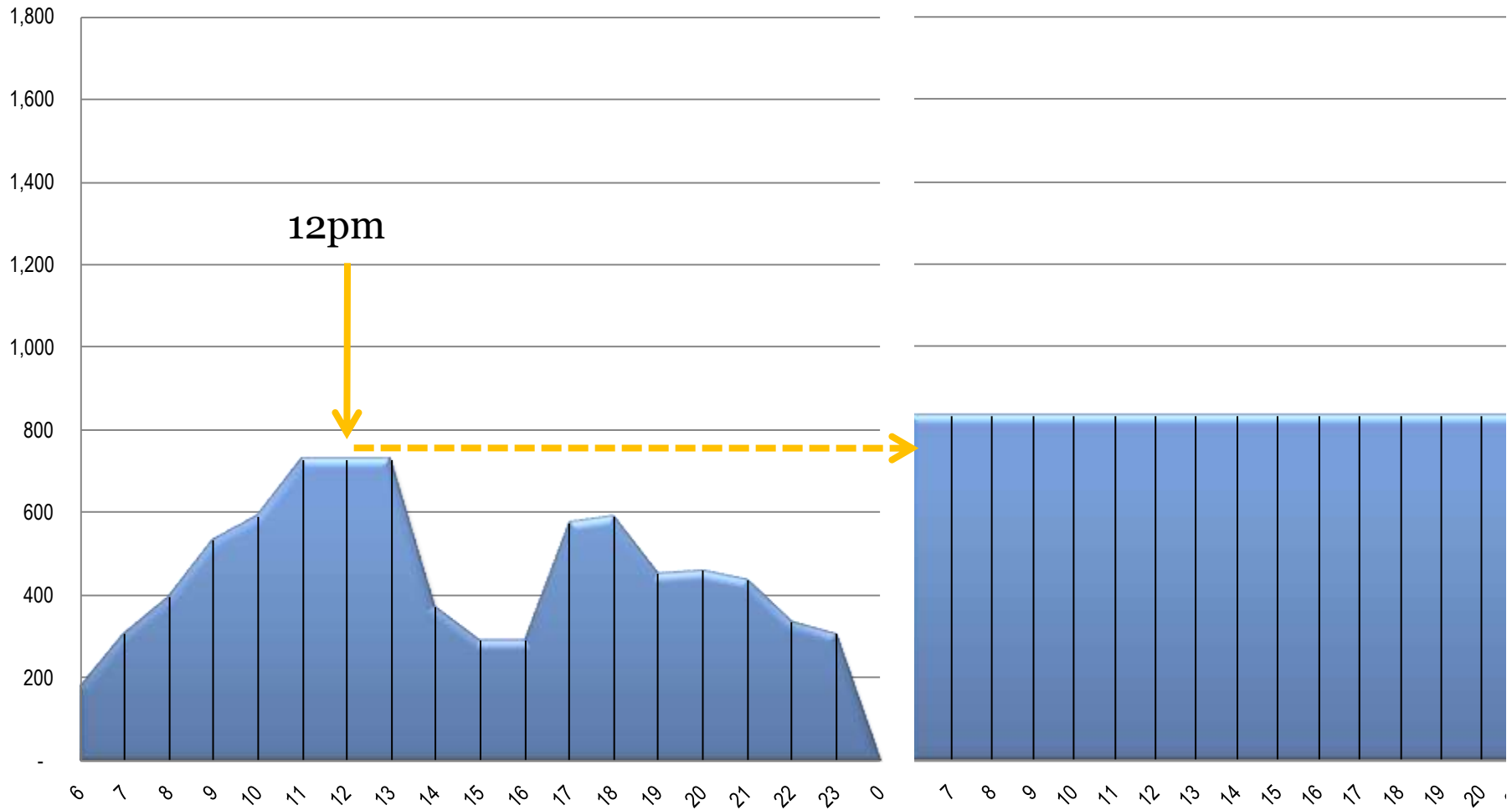
Example: Office (150k SF): Real Demand

Unshared Supply



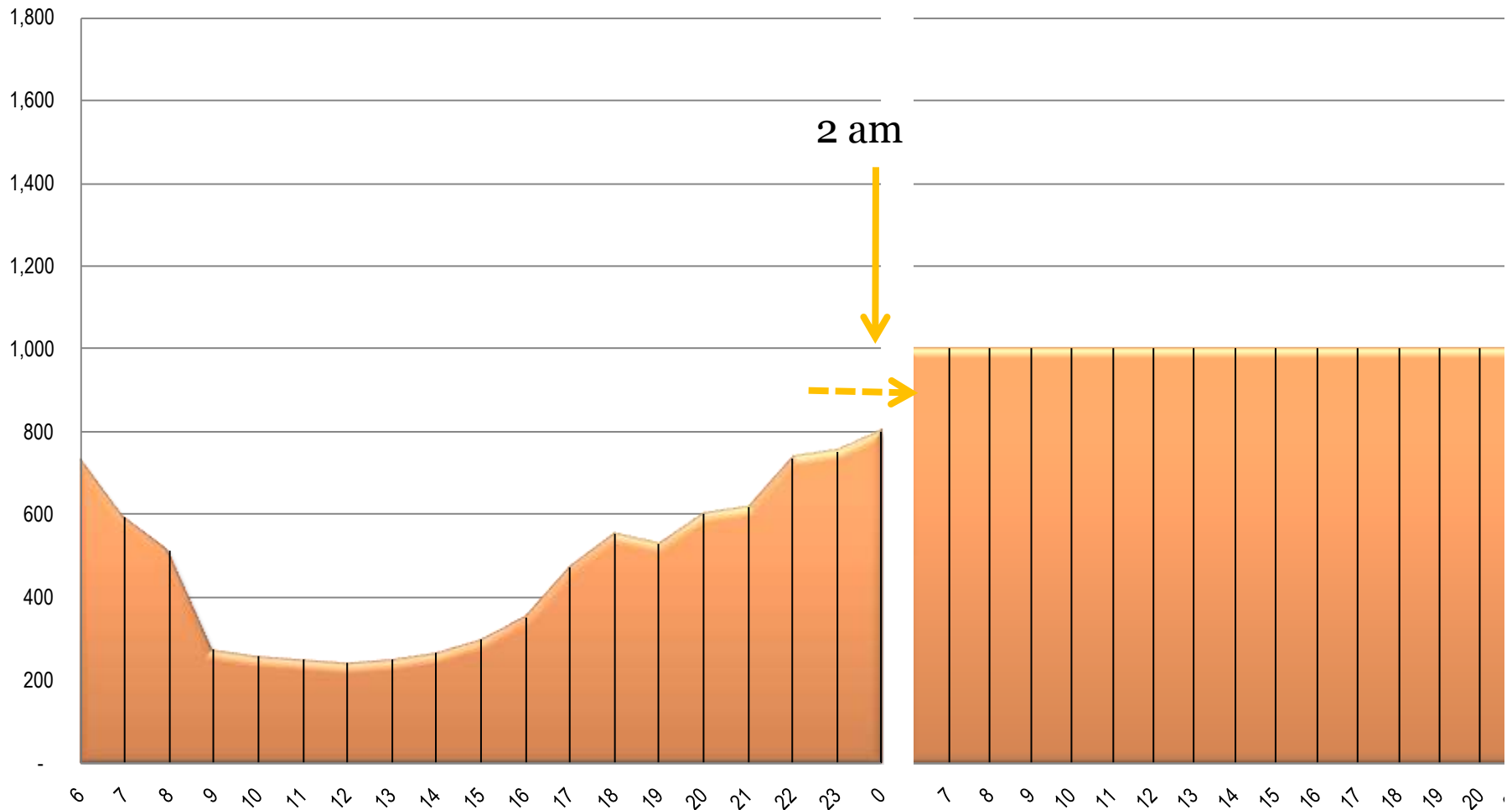
Example: Restaurant (150k SF): Real Demand

Unshared Supply

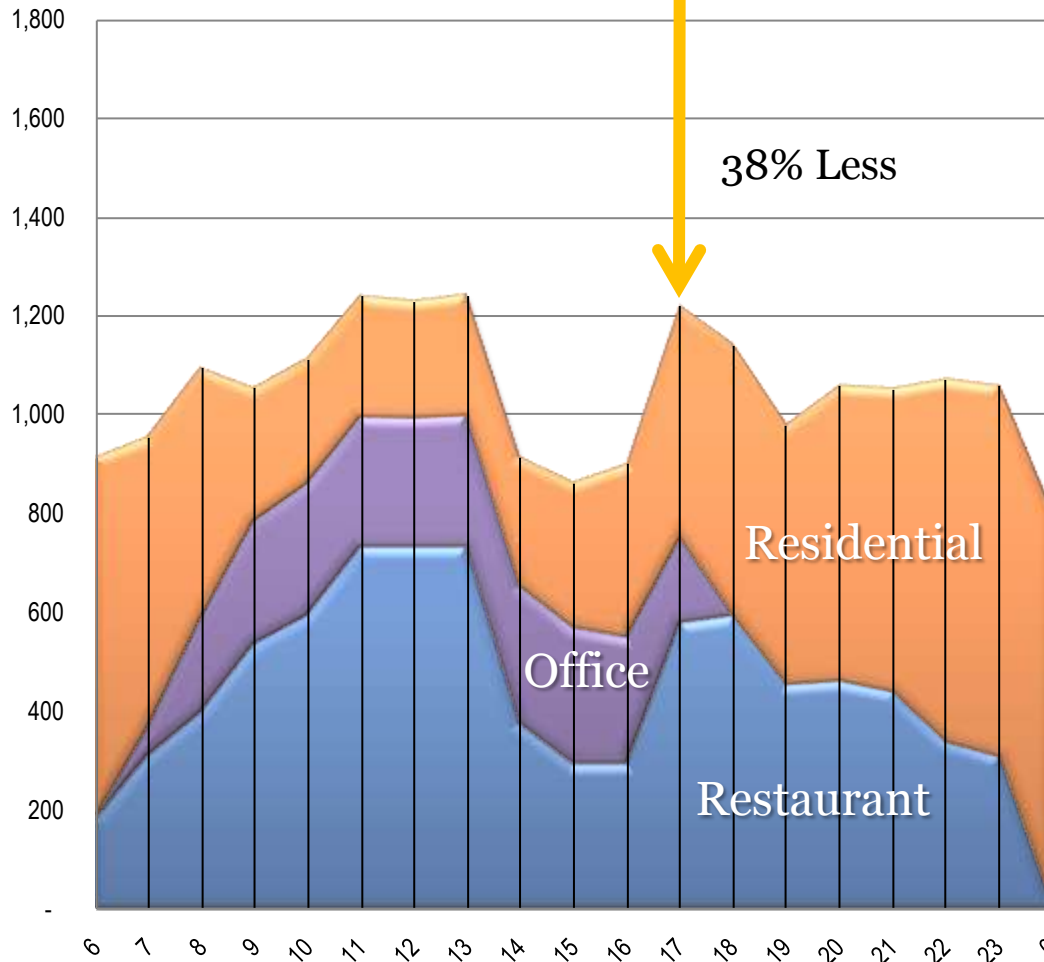


Example: Residential (1000 units): Real Demand

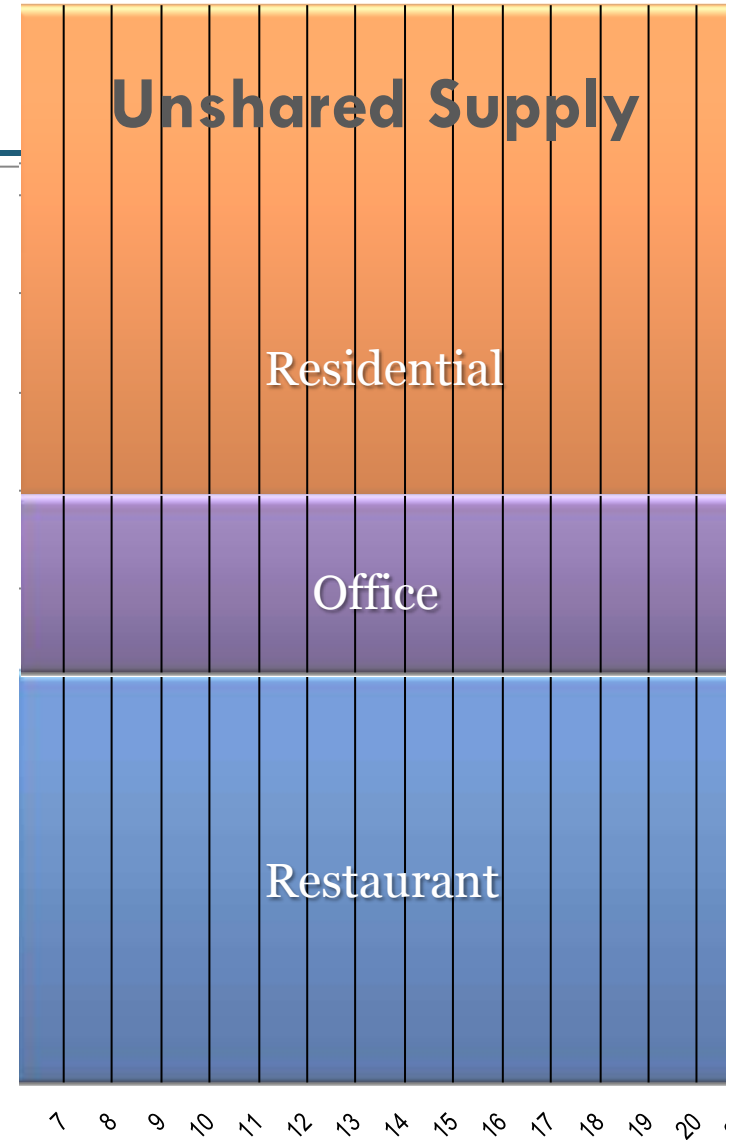
Unshared Supply



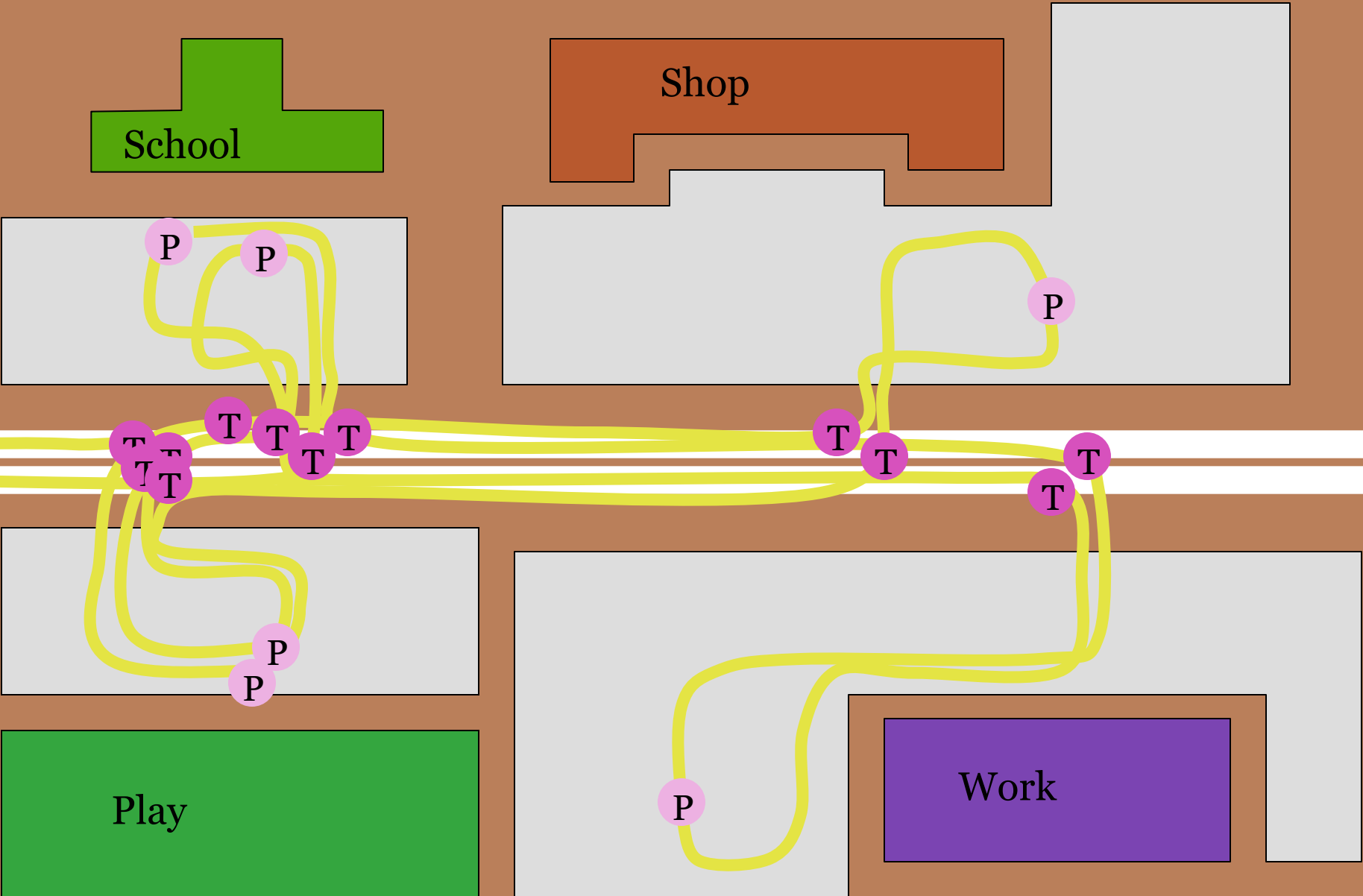
Real Demand



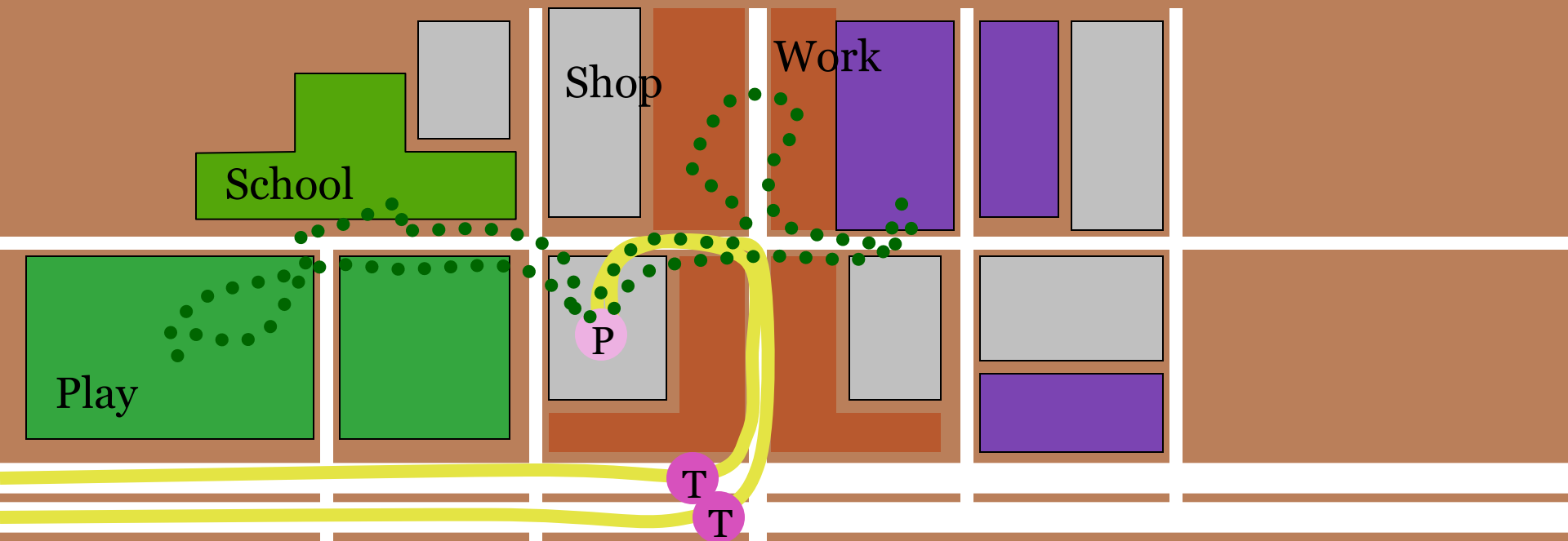
Unshared Supply



Conventional Development



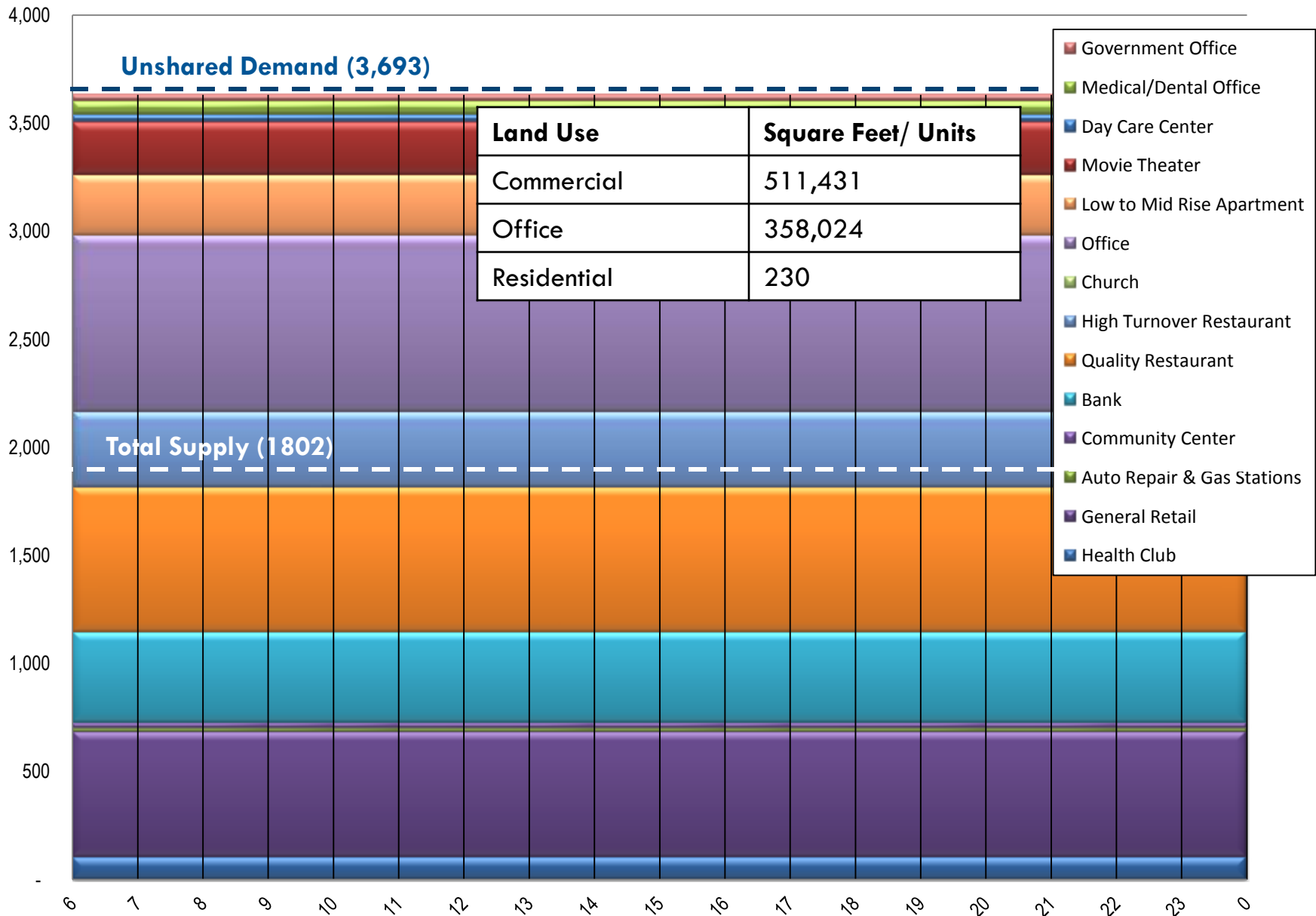
Mixed Use, Park Once, Downtown



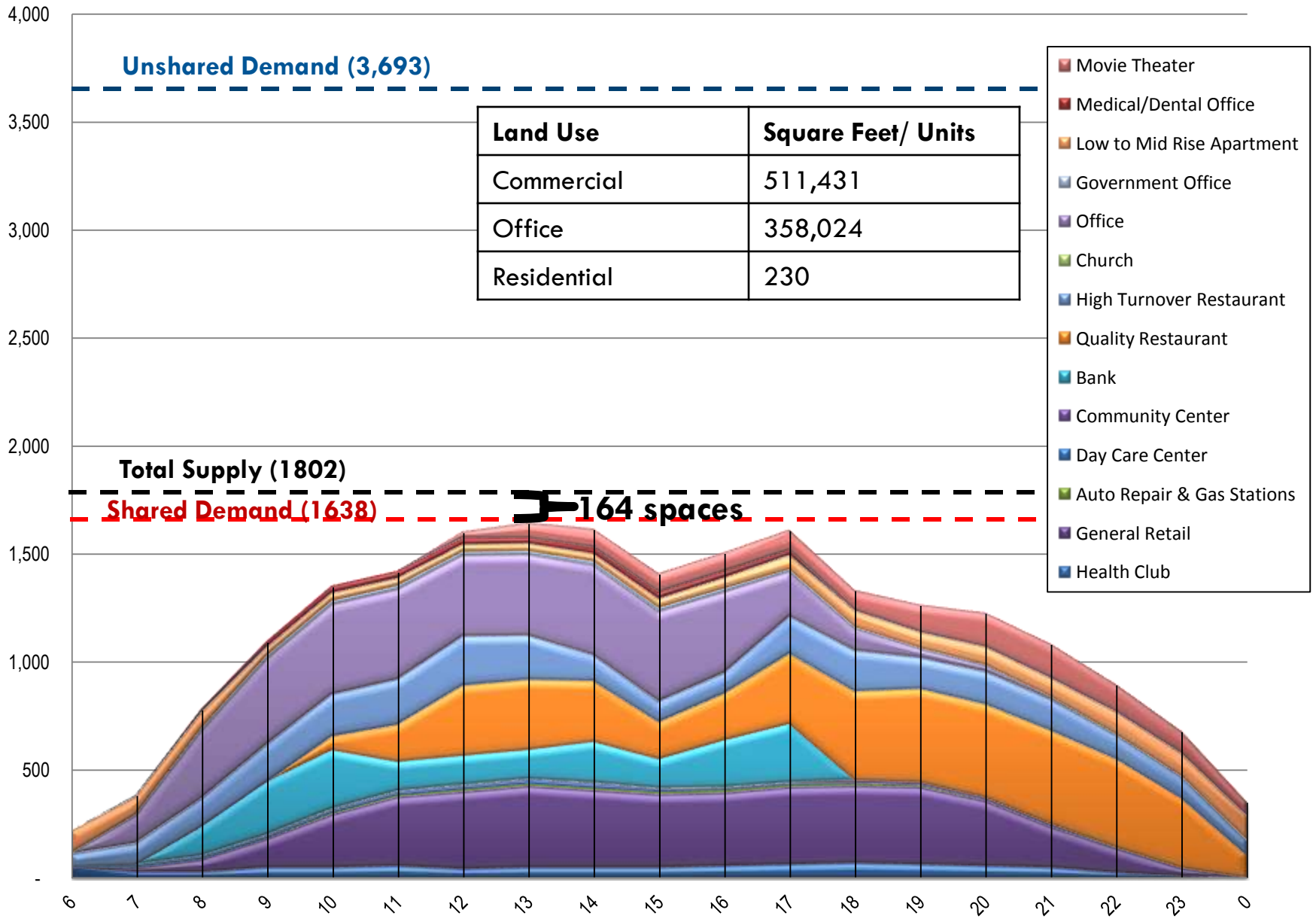
Results:

- $<1/2$ the parking
- $<1/2$ the land area
- $1/4$ the arterial trips
- $1/6^{\text{th}}$ the arterial turning movements
- $<1/4$ the vehicle miles traveled

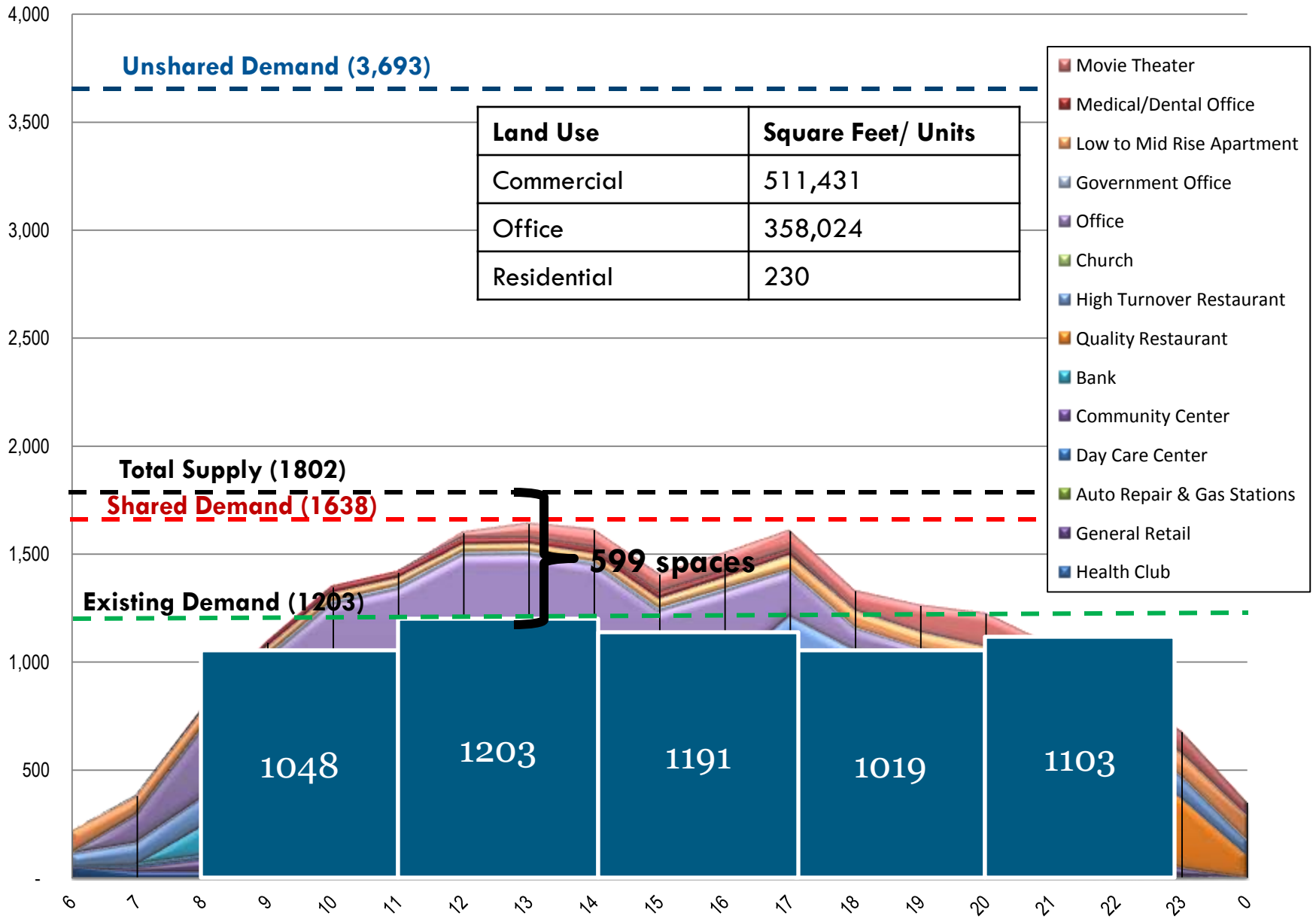
Land Use in Davis Square - Unshared Demand

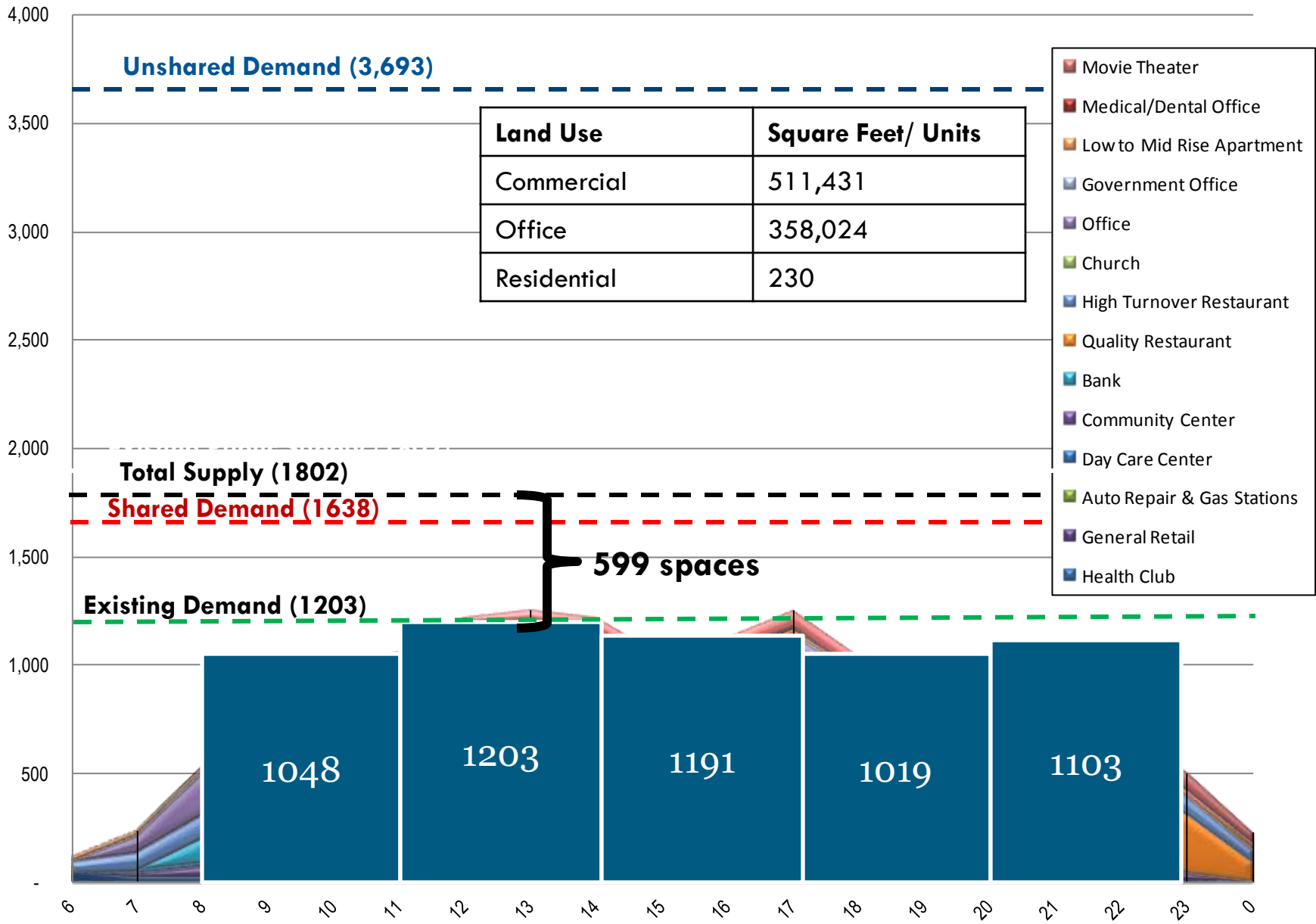


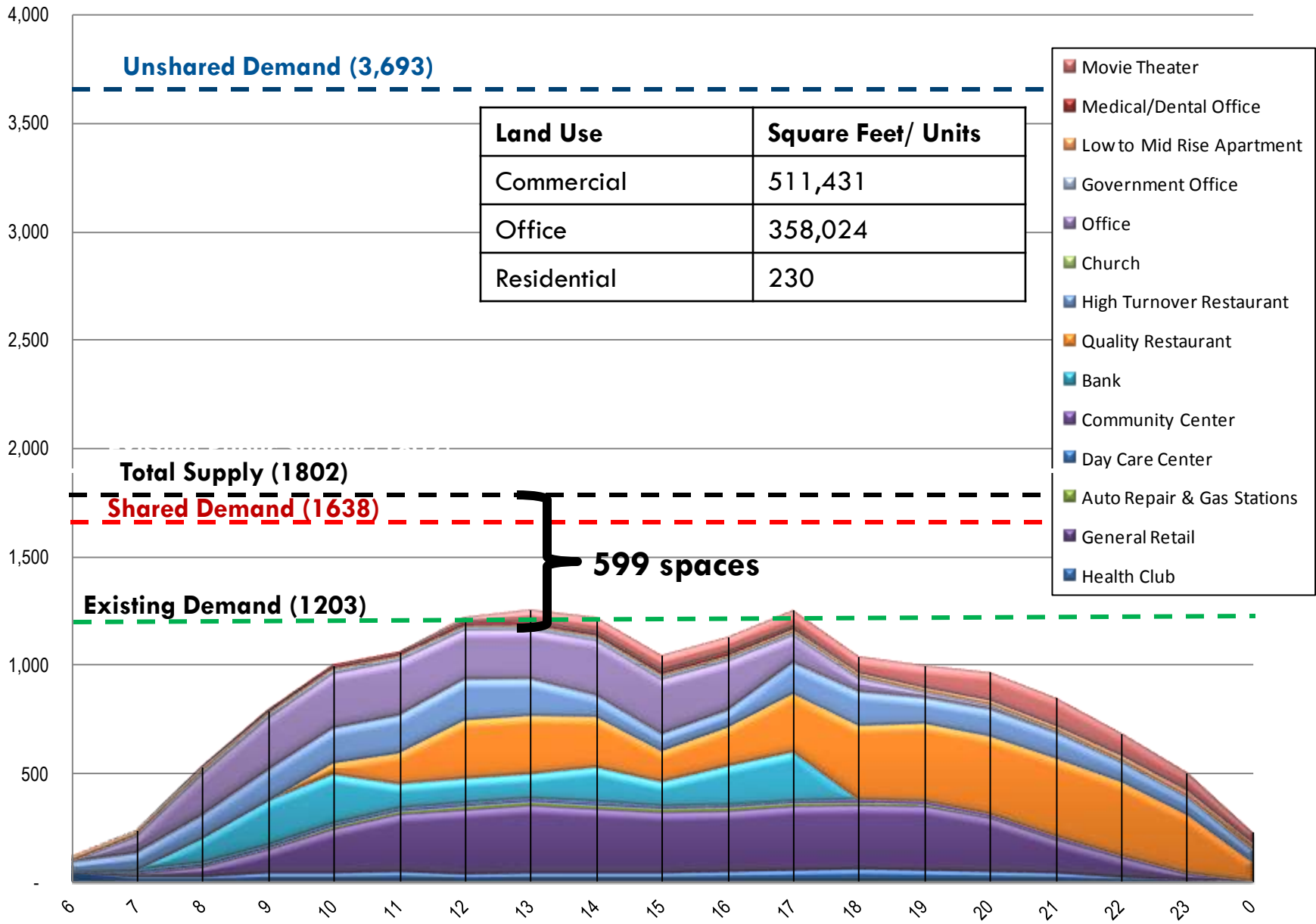
Land Use in Davis Square – Shared Demand



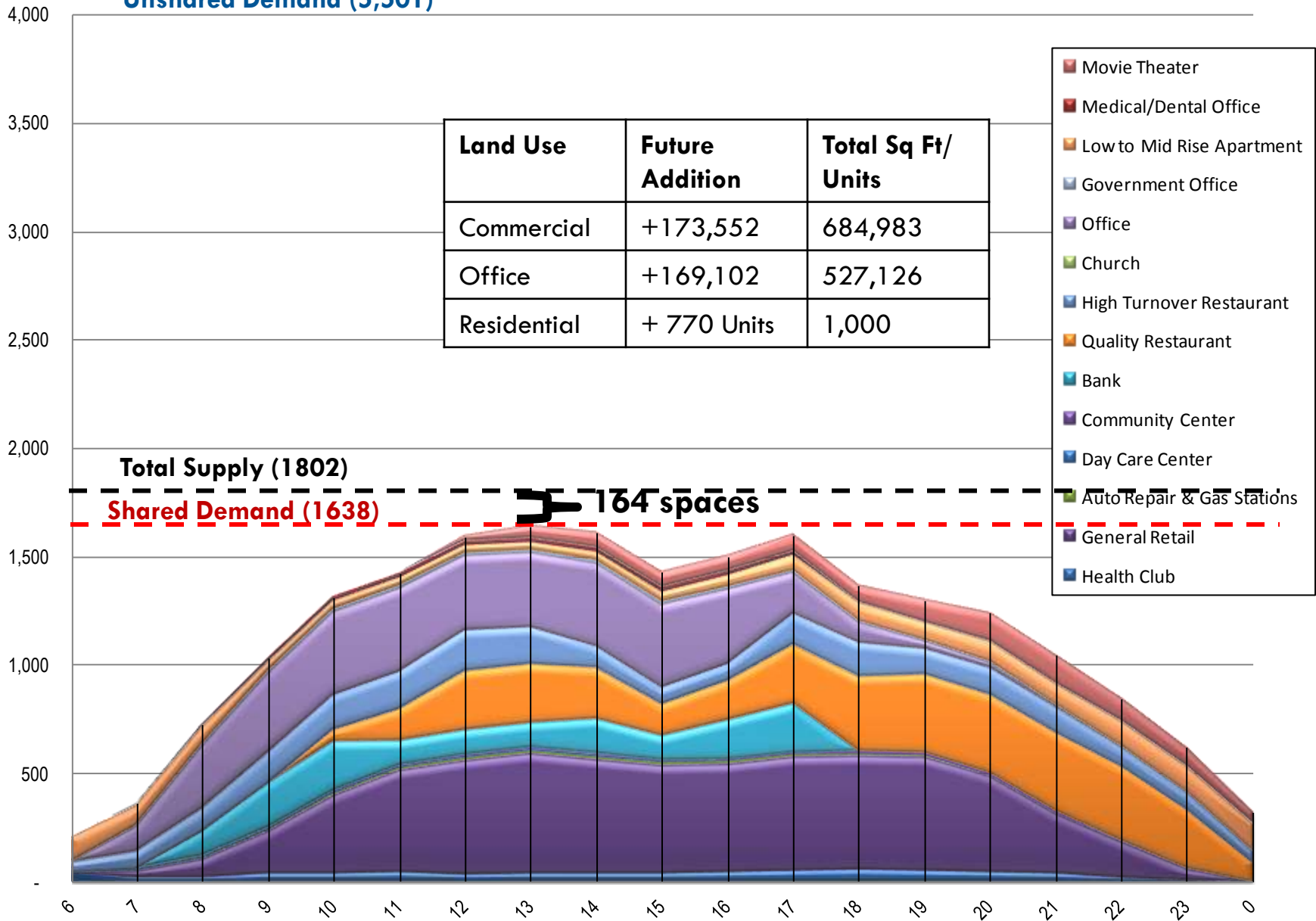
Observed Demand vs Expected Shared Demand







Unshared Demand (5,501)







RED LINE

LINE

DAVIS
TO TRAINS

Charlie's
RE





CENTRALbank

P
PAY HERE
↓

ONE WAY →

PAY TO PARK
NOTE
SPACE NUMBER
231

PAY TO PARK
NOTE
SPACE NUMBER
230

P



SELECT YOUR SPACE
HELP FOR HELP

Powered by
LaunchPad
300-9114-0002

1 2 3 i
4 5 6 [card icon]
7 8 9 C
[down arrow] 0 [up arrow] OK

3 HOUR MAX ENFORCED 8AM - 8PM MON - SAT
Meter # RA-2
\$1.00 PER HOUR
NO RECEIPT ISSUED
TRANSACTION WILL APPEAR ON STATEMENT



COIN PAYMENT
1. SELECT YOUR SPACE NUMBER
2. INSERT COINS FOR DESIRED TIME
NO RECEIPT ISSUED

CREDIT CARD PAYMENT
1. SELECT SPACE NUMBER, THEN PRESS OK
2. USE [up/down arrows] TO CHANGE TIME/PAYMENT.
3. PRESS OK TO CONFIRM PAYMENT AMOUNT.
4. INSERT AND REMOVE CARD AS SHOWN.
PRESS i TO EXIT OR FOR HELP

NO RECEIPT ISSUED
TRANSACTION WILL APPEAR ON STATEMENT



COIN RETURN

RATE: \$.25 PER 15 MINUTES • TIME LIMIT: 1 HOUR
HOURS OF OPERATION: MON-SAT 8AM-8PM

MAXIMUM PARKING TIME 1 HOUR

C379A







Arlington, VA



Berkeley, CA



Washington, DC



Vancouver, BC



Pasadena, CA



Salem, MA



Salem, MA

DAVIS SQUARE 2013 | SURFACE PARKING FACING PUBLIC WAYS

