

# Transportation and Parking Working Group Meeting

---

September 3, 2020

# Overview

---

- Introductions
- Campus Plan Update
- CTR Summary
- Next Steps
- Comments & Questions

# Campus Plan Update

---

- March 2020: *Preliminary Campus Plan Framework* outlining key institutional objectives, informed by input from community members
- June 2020: Updated *Campus Plan Framework* reflecting input from community and consensus with AU Neighborhood Partnership, including:
  - Reduced enrollment cap (when adjusted to reflect revised student count methodology set forth by updated DC zoning regulations);
  - Balanced development program aimed at providing leading-edge research and teaching facilities and strengthening student-centered living and learning campus experience;
  - Focus on additional on-campus student housing opportunities and implementing robust off-campus engagement initiatives;
  - Enhanced campus circulation and pedestrian connections and commitment to effective TDM strategies.
- September 2020: *Draft 2021 Campus Plan* based on consensus *Campus Plan Framework* posted online for public review and comment
- Fall 2020: *Draft 2021 Campus Plan* reviewed with ANCs, CLC, and other interested stakeholders
- November 2020 (target): AU file *2021 Campus Plan* with DC Zoning Commission

# Comprehensive Transportation Review: Key Components








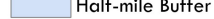

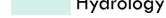


---

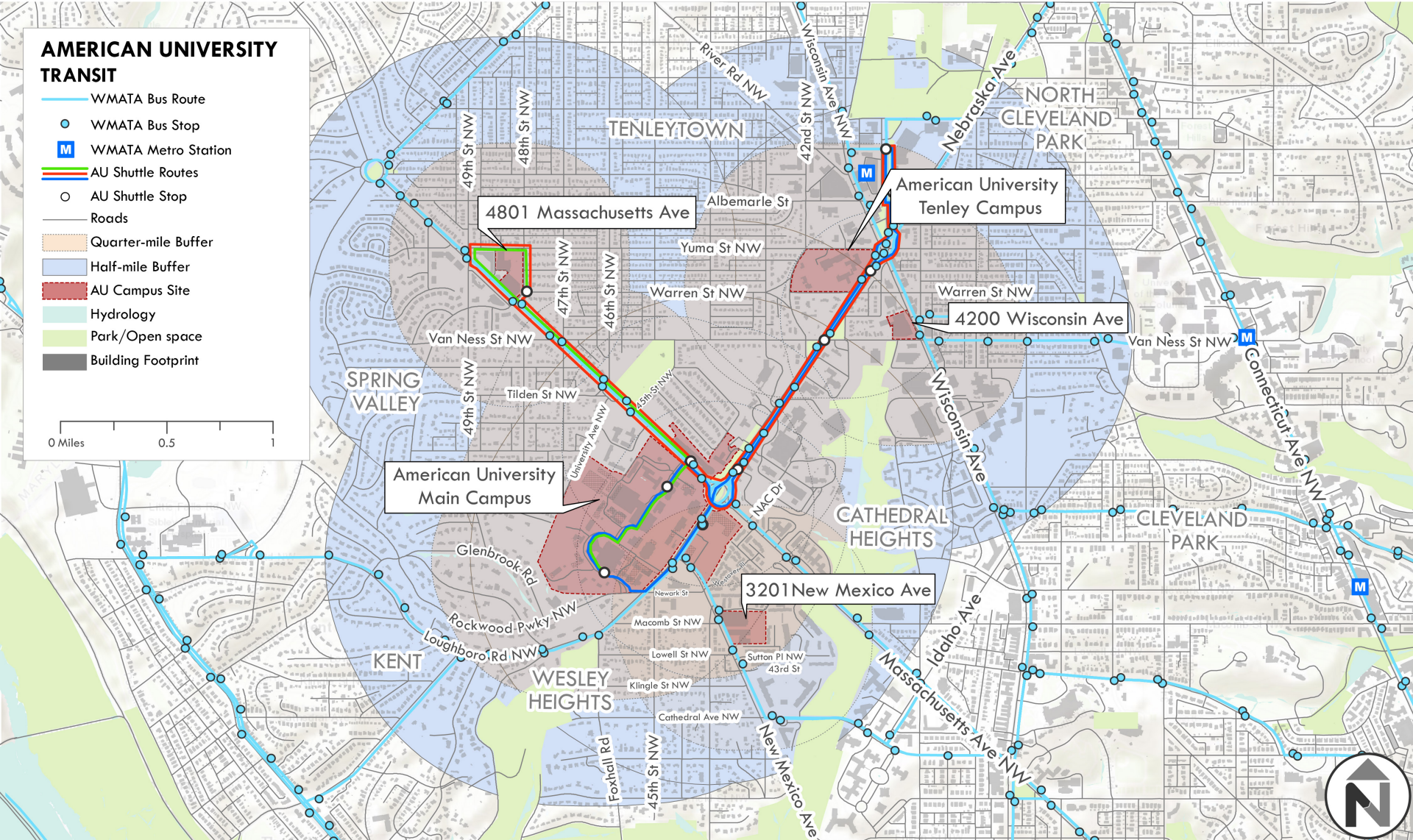
1. Existing Conditions
  - a. Multimodal Conditions
  - b. University Parking
  - c. TDM Plan
  - d. Existing Analysis
2. Future Campus Growth
3. Future Conditions
  - a. Future Analysis
  - b. Future Impacts
4. Recommendations



# Multimodal Facilities

## AMERICAN UNIVERSITY TRANSIT

-  WMATA Bus Route
-  WMATA Bus Stop
-  WMATA Metro Station
-  AU Shuttle Routes
-  AU Shuttle Stop
-  Roads
-  Quarter-mile Buffer
-  Half-mile Buffer
-  AU Campus Site
-  Hydrology
-  Park/Open space
-  Building Footprint

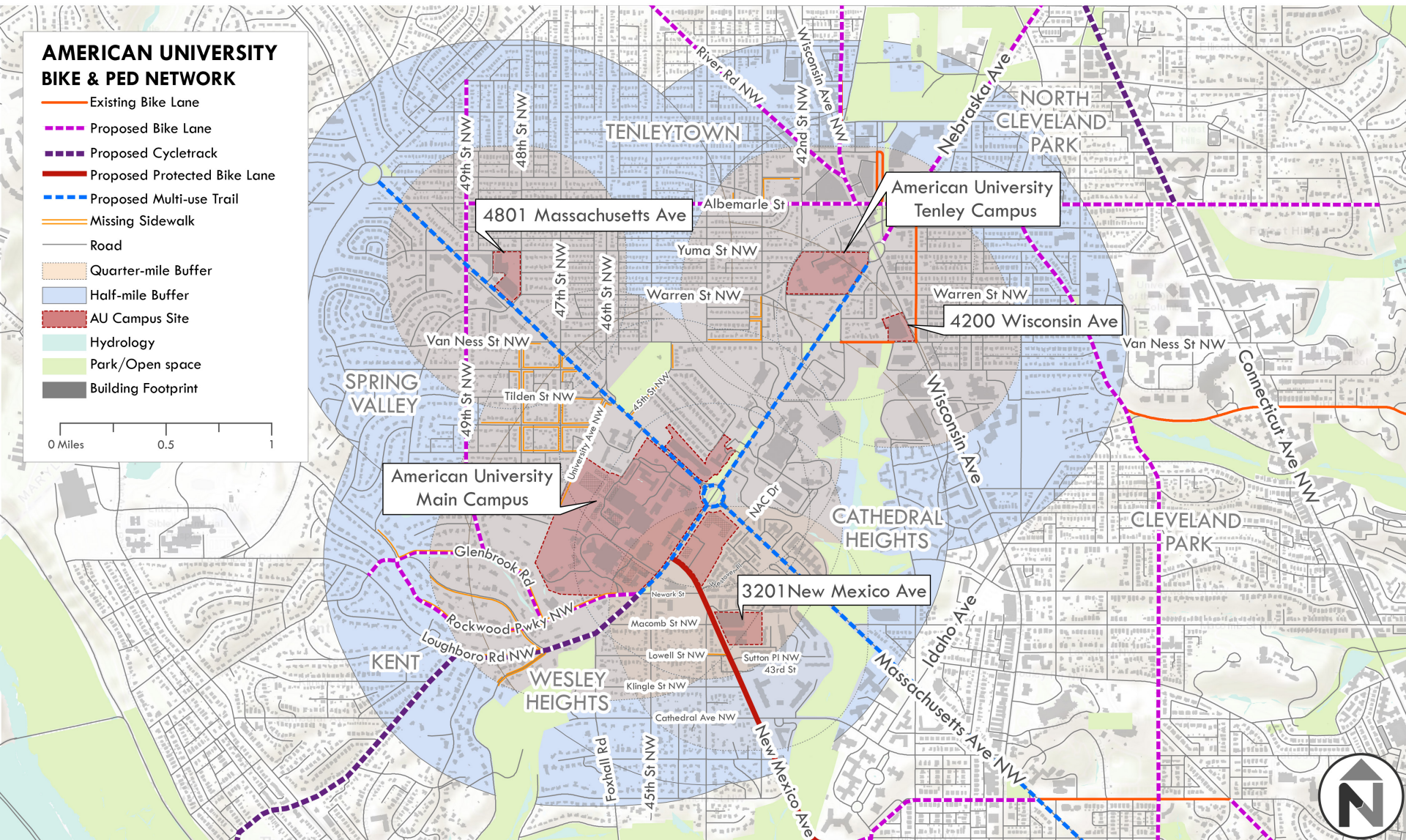
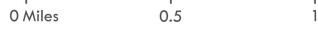




# Multimodal Facilities

## AMERICAN UNIVERSITY BIKE & PED NETWORK

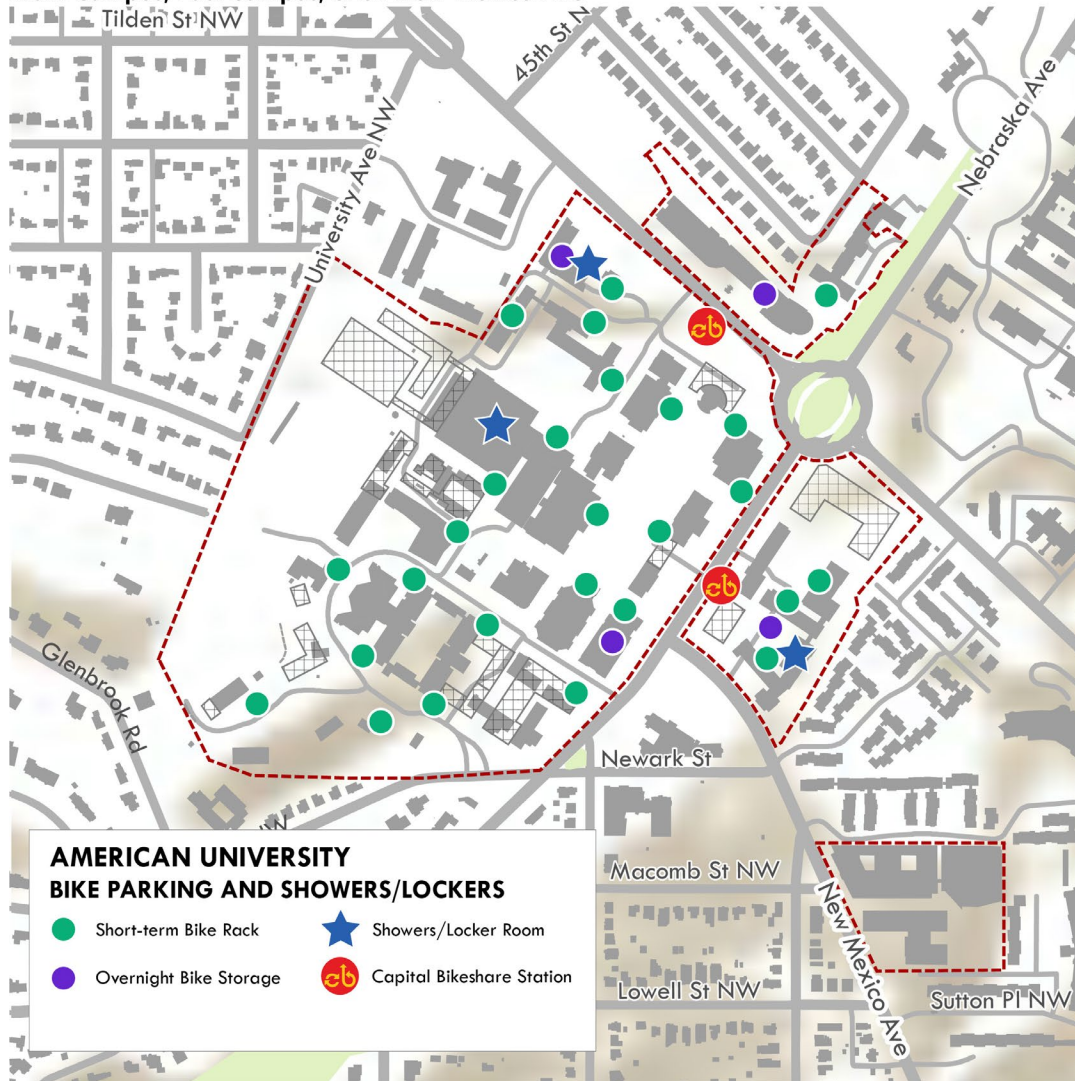
- Existing Bike Lane
- - - Proposed Bike Lane
- - - Proposed Cycletrack
- - - Proposed Protected Bike Lane
- - - Proposed Multi-use Trail
- - - Missing Sidewalk
- Road
- Quarter-mile Buffer
- Half-mile Buffer
- AU Campus Site
- Hydrology
- Park/Open space
- Building Footprint





# Multimodal Facilities

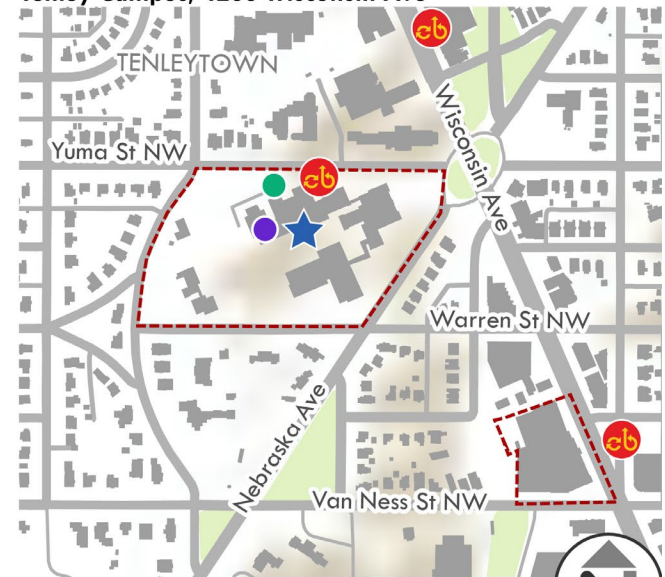
**Main Campus, East Campus, 3201 New Mexico Ave**



**Spring Valley Building (4801 Massachusetts Ave)**



**Tenley Campus, 4200 Wisconsin Ave**

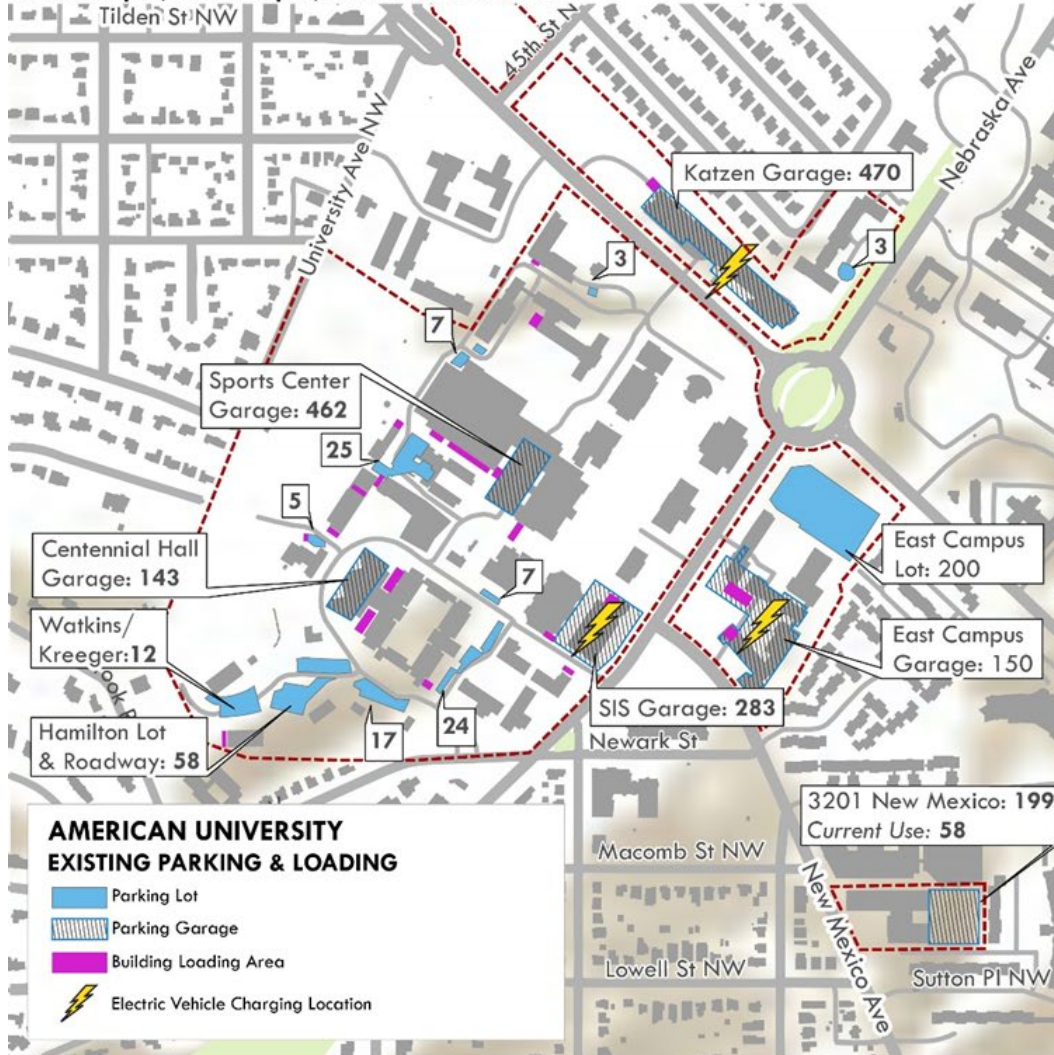


0 0.125 0.25 Miles



# University Parking Program: Existing Facilities

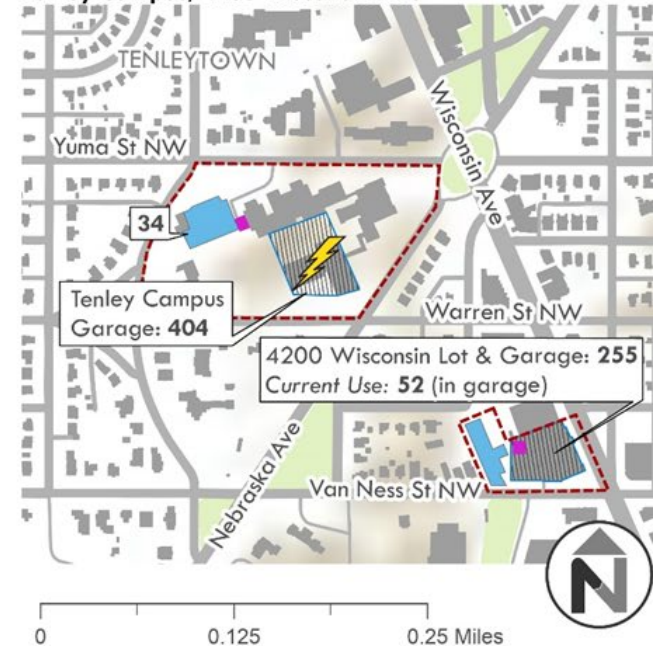
## Main Campus, East Campus, 3201 New Mexico Ave



## Spring Valley Building (4801 Massachusetts Ave)



## Tenley Campus, 4200 Wisconsin Ave





## University Parking Program

The 2011 Campus Plan requires that the university “maintain an inventory of approximately 2,200 parking spaces on campus” (with “campus” including only Main Campus and Tenley Campus).

- Current inventory at those two (2) locations totals 2,316 spaces.
- The increased campus parking inventory associated with the three (3) additional properties included in the 2021 Campus Plan results in a revised parking inventory of 3,045 spaces, 2,701 of which are currently subject to university use.

Accordingly, the university is proposing to adjust the 2021 Campus Plan requirement to **maintain an inventory of no more than 3,000 parking spaces for university use** inclusive of all five of the 2021 Campus Plan properties.

## TDM Plan

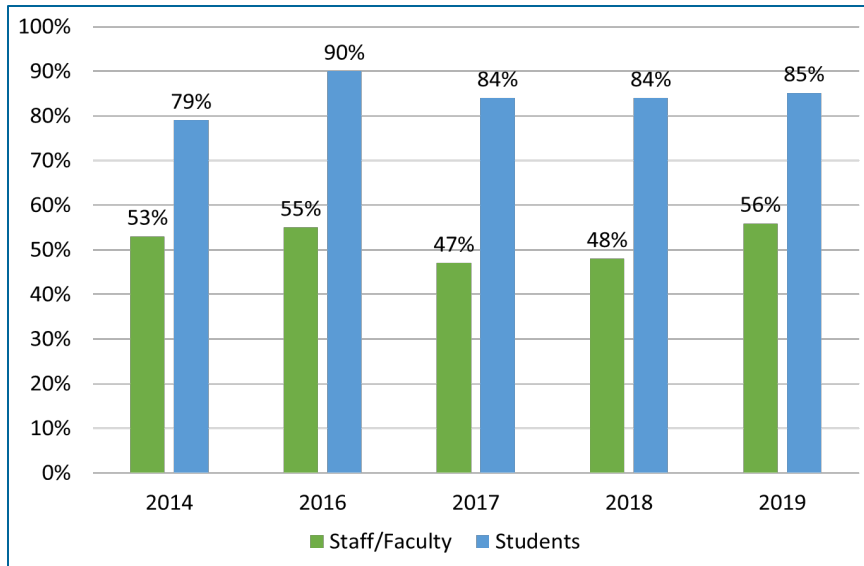
The current AU TDM plan was formulated in 2011 in conjunction with the 2011 Campus Plan and has been routinely updated over the past 10 years.

Current programs includes:

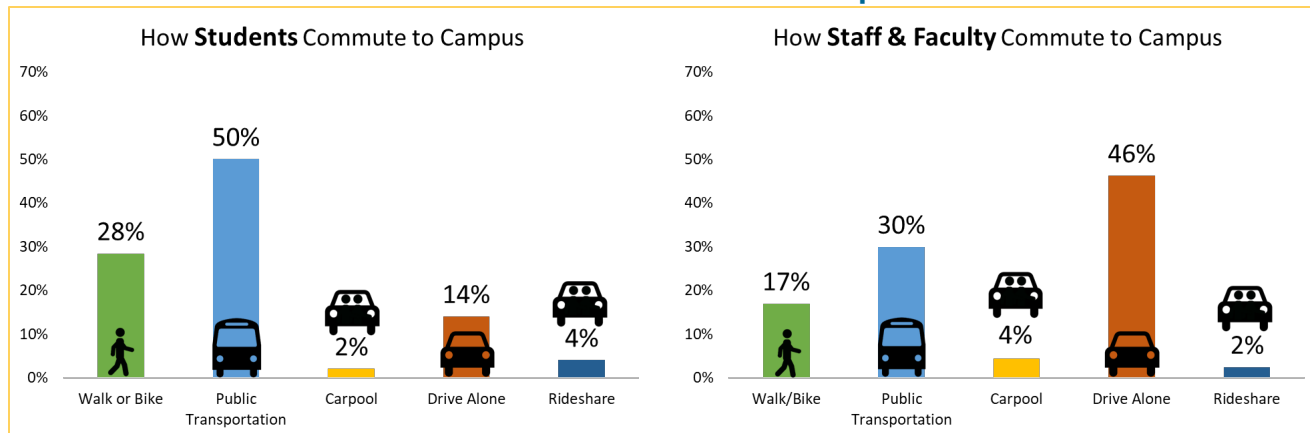
- University Shuttle Service (over 1.2m rides in 2019)
- WMATA U-Pass Program (over 1.4m rides in 2019)
  - U-Pass program currently suspended for Fall Semester
- Priced campus parking
- On demand corporate ride-share
- Transit subsidies
- Guaranteed Ride Home
- Flex time and telecommuting

# Campus Transportation Demand Management

## Campus Mode Share



## Campus Commute



# Existing Conditions Traffic Analysis

## Counts: Tues Feb 25<sup>th</sup> – Thurs Feb 27<sup>th</sup>

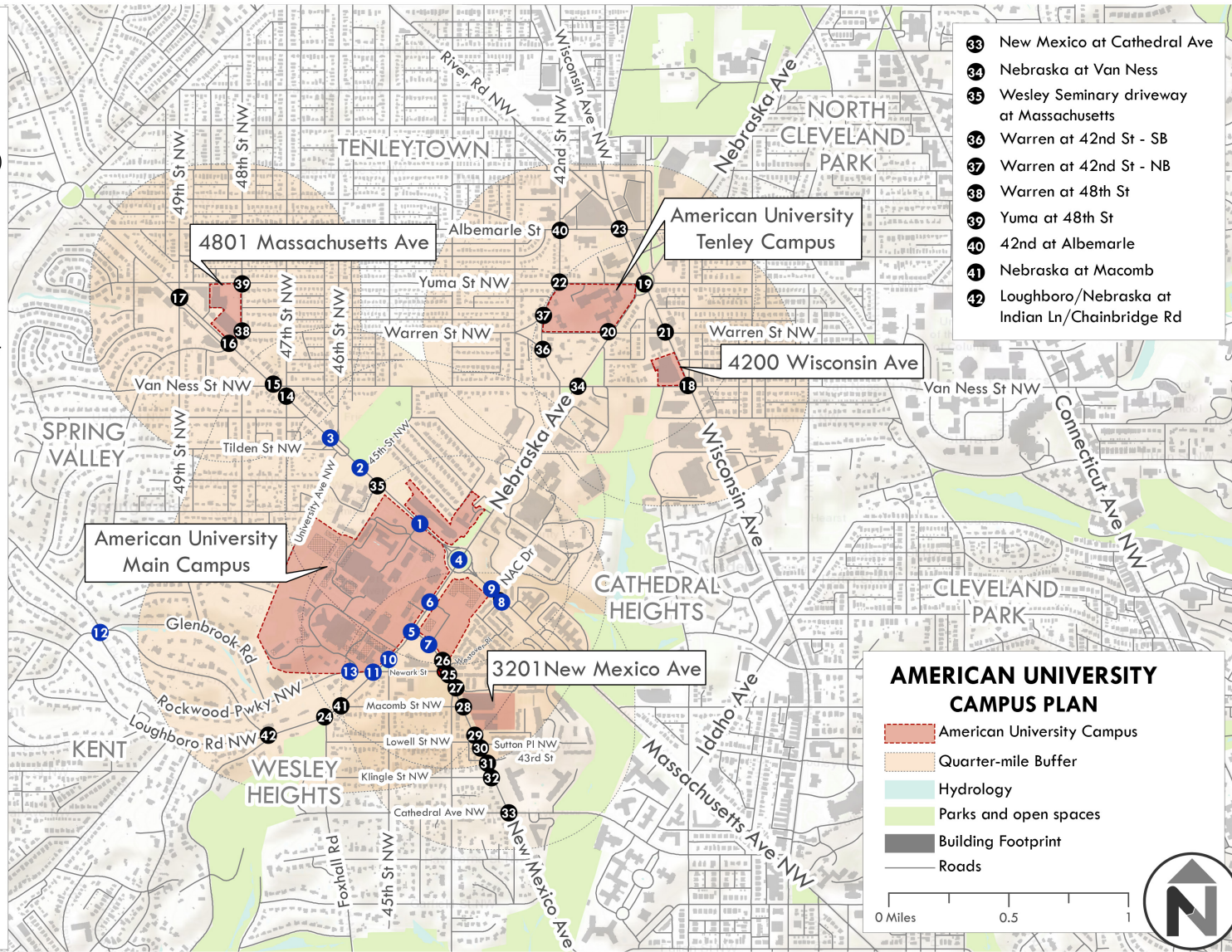
### INTERSECTIONS

#### Consistent with 2011 Campus Plan

- 1 Massachusetts at Campus Drive
- 2 Massachusetts at 45th St
- 3 Massachusetts at 46th St. (Wesley Circle)
- 4 Massachusetts at Nebraska (Ward Circle)
- 5 Nebraska at New Mexico/ SIS Garage
- 6 Nebraska at East Campus Drive
- 7 New Mexico at East Campus Drive
- 8 Massachusetts at Westover Pl
- 9 Massachusetts at NAC Drive
- 10 Nebraska at 45th St
- 11 Nebraska at Rockwood Pkwy/Newark St
- 12 Rockwood Pkwy at Glenbrook Rd
- 13 Rockwood Pkwy at Fletcher Gate

#### Additional Intersections

- 14 Massachusetts at 47th St
- 15 Massachusetts at Van Ness
- 16 Massachusetts at 48th St
- 17 Massachusetts at 49th St
- 18 Wisconsin at Van Ness
- 19 Wisconsin at Nebraska (Tenley Circle)
- 20 Nebraska at Warren
- 21 Wisconsin at Warren
- 22 Yuma at 42nd St
- 23 Wisconsin at Albemarle
- 24 Nebraska at Foxhall Rd
- 25 New Mexico at Newark St
- 26 New Mexico at Westover Pl
- 27 New Mexico at 44th St
- 28 New Mexico at Macomb St
- 29 New Mexico at Lowell St
- 30 New Mexico at Sutton Pl
- 31 New Mexico at 43 St
- 32 New Mexico at Klinge St



- 33 New Mexico at Cathedral Ave
- 34 Nebraska at Van Ness
- 35 Wesley Seminary driveway at Massachusetts
- 36 Warren at 42nd St - SB
- 37 Warren at 42nd St - NB
- 38 Warren at 48th St
- 39 Yuma at 48th St
- 40 42nd at Albemarle
- 41 Nebraska at Macomb
- 42 Loughboro/Nebraska at Indian Ln/Chainbridge Rd

### AMERICAN UNIVERSITY CAMPUS PLAN

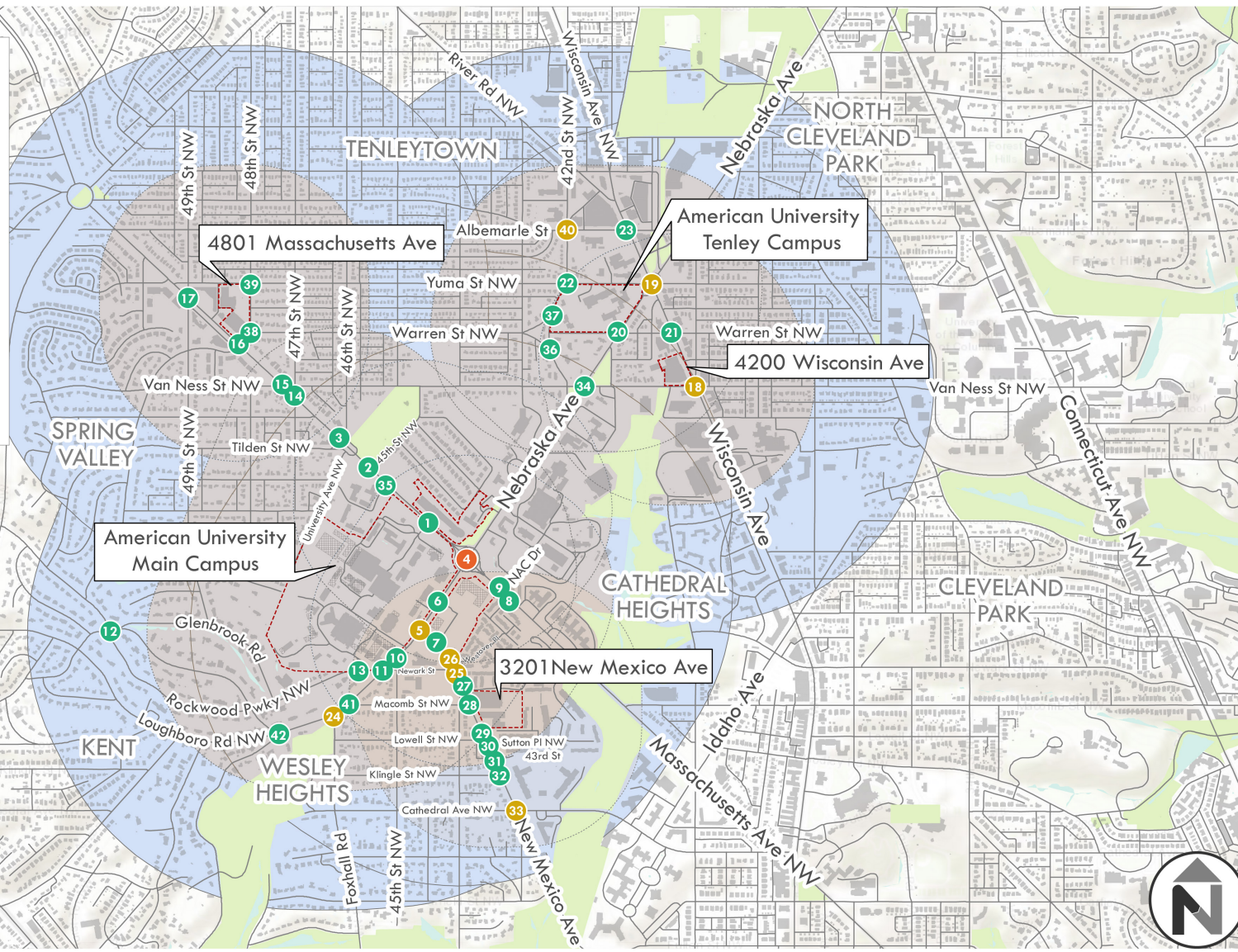
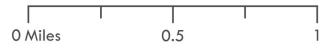
- American University Campus
- Quarter-mile Buffer
- Hydrology
- Parks and open spaces
- Building Footprint
- Roads



# Traffic Analysis – Existing Conditions – AM Peak Level of Service

## AMERICAN UNIVERSITY LEVEL OF SERVICE - PEAK AM

- Level of Service A, B
- Level of Service C, D
- Level of Service E, F
- Roads
- Quarter-mile Buffer
- Half-mile Buffer
- AU Campus Site
- Hydrology
- Park/Open space
- Building Footprint

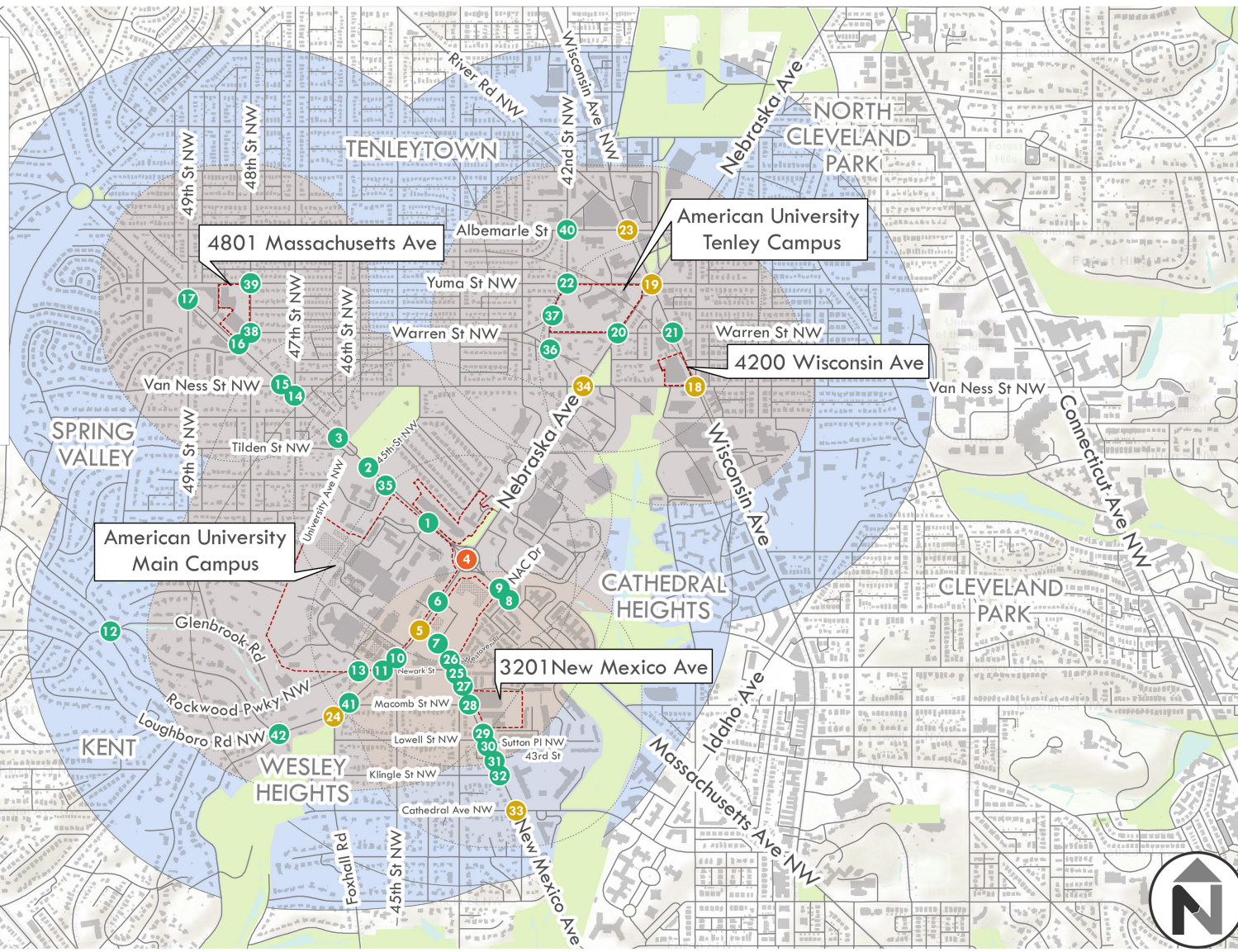
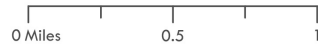




# Traffic Analysis – Existing Conditions – PM Peak Level of Service

## AMERICAN UNIVERSITY LEVEL OF SERVICE - PEAK PM

- Level of Service A, B
- Level of Service C, D
- Level of Service E, F
- Roads
- Quarter-mile Buffer
- Half-mile Buffer
- AU Campus Site
- Hydrology
- Park/Open space
- Building Footprint



# Future Campus Growth

## Potential Student Enrollment Growth (based on proposed cap)

	2011 – 2021 CAMPUS PLAN			2021 – 2031 CAMPUS PLAN	
	UNDER ZC 11-07 ORDER METHODOLOGY	ADJUSTED 2016 ZONING REGULATIONS	IMPACT OF 2016 ZONING REGULATIONS	AU REVISED ENROLLMENT CAP 06.01.2020	DIFFERENCE FROM 2011 ADJUSTED CAP
FALL 2019 ENROLLMENT	11,801	12,581	+780 (+ 6.61%)		
CAMPUS PLAN ENROLLMENT CAP	13,600	<b>14,499</b>	+899 (+ 6.61%)	<b>14,380</b>	<b>-119</b>

## Potential Faculty/Staff Growth (based on proposed cap)

	2011 – 2021 CAMPUS PLAN			2021 -2031 CAMPUS PLAN
	ZC 11-07 ORDER METHODOLOGY	2016 ZONING REGULATIONS	IMPACT OF 2016 ZONING REGULATIONS	2016 ZONING REGULATIONS
FALL 2019 EMPLOYEE COUNT	2,461	2,843	+ 15.52%	
EMPLOYEE POPULATION CAP	2,900	<b>3,350</b>	+ 15.52%	<b>3,350</b>

## Future Campus Growth: All Campus Locations

### Future Campus Trip Generation

- at full build out
- includes all five AU Campus Plan locations

	Typical Peak Hour during School Semester					
	AM	PM	AM	PM	AM	PM
	Vehicle Trips		Person Trips			
	Automobile	Automobile	Transit	Transit	Walk/Bike	Walk/Bike
<b>Existing Campus Trips</b>	743	1,234	743	1,388	463	772
<b>Future Campus Total</b>	887	1418	887	1596	532	887
<b>Future Growth</b>	<b>144</b>	<b>184</b>	<b>115</b>	<b>208</b>	<b>69</b>	<b>115</b>

## Future Traffic Analysis

Future traffic analysis includes:

- Existing traffic volumes
- Background growth (Valor Development)
- Regional growth
- Future Campus growth

All intersections within the study area would operate at an overall acceptable level of service (i.e., LOS D or better) during the morning and afternoon peak hours with the exception of:

- Massachusetts Avenue NW/Nebraska Avenue NW (Ward Circle) intersection (southbound approach in the AM peak hour and northbound approach in the PM peak hour).

This condition reflects both the existing and background analysis.

# Future Transportation Impacts

## Transit

The potential population growth through the 2021 Campus Plan may generate new transit trips but the existing transit facilities have sufficient capacity to accommodate the additional trips.

## Pedestrian/Bicycle

Bikeshare stations are well-used by students, staff, and faculty in the area of the Main Campus and AU supports the locating of a 3<sup>rd</sup> station in the vicinity of the Fletcher Gate.

## TDM

The University's comprehensive Transportation Demand Management (TDM) planning will remain a priority for the university over the term of the 2021 Campus Plan. As part of the Campus Plan, the TDM plan is in the progress of being updated.

## Vehicular

The analysis summarized in the CTR has concluded that the projected development proposed in the 2021 Campus Plan will not significantly impact the study area transportation network beyond the existing or background conditions as per DDOT's Significant Impact Policy for intersections



## Summary of Recommendations

The proposed development will not have a detrimental impact on the surrounding transportation network, there are a number of recommendations that will continue to enable the AU to effectively minimize its impact and support the transportation network surround the university.

1. Continue to implement a robust Transportation Demand Management (TDM) program that reduces the demand of single-occupancy vehicles on campus by students and employees.
2. Continue to operate the AU Shuttle Service. The shuttles connect all campus locations in addition to accessing the Tenleytown-AU Metrorail station.
3. Work with DDOT to identify and locate a Capital Bikeshare station in the south-east area of the Main Campus to supplement the two Bikeshare stations along Nebraska Avenue and Massachusetts Avenue.
4. Discussions will be ongoing with TNC's regarding dedicated Pick -Up/Drop-Off locations on campus and AU will continue to collaborate with members of the community and DDoT to explore other locations and alternatives for PUDO solutions.
5. Continue to provide DDOT with an annual transportation memorandum detailing the transportation mode split of AU students and employees and the utilization of exclusive university-use parking facilities.

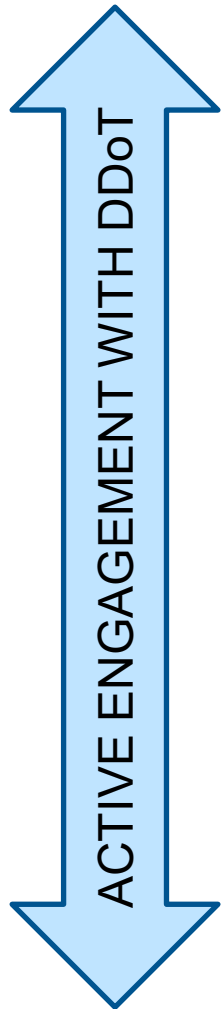
## Summary of Recommendations

The proposed development will not have a detrimental impact on the surrounding transportation network, there are a number of recommendations that will continue to enable the AU to effectively minimize its impact and support the transportation network surround the university.

6. Continue to implement the University's Good Neighbor Parking Policy regarding enforcement of student, faculty, staff, and vendor off-campus parking.
7. Maintain a parking inventory of no more than 3,000 spaces for University use inclusive of all 2021 Campus Plan properties. The University shall continually evaluate its pricing policies for parking with the intention of discouraging vehicle trips to campus without generating demand for off-campus parking by University-affiliated vehicles.
8. Remain committed to providing sustainable transportation options as part of their dedication to carbon neutrality.
9. Ensure that the development of potential new parking supply will be the subject of further review and analysis in connection with the further processing review process associated with each respective project.
10. Recommendation of any modifications to connections to the external roadways at Glover Gate and Fletcher Gate, such as turn restrictions or signal changes, would be pursued after further analysis and review in connection with the further process case for the associated enabling project.



# Next Steps: DDoT Campus Plan Review Process



1. **Preliminary Engagement/Pre-Scoping**
2. **Study Period (Traffic Counts)**
3. **Scoping Period**
  - Prepare Scoping Submission**
  - Submit to DDoT**
  - DDoT Review and Approval**
4. **Preparation of Comprehensive Transportation Review (CTR)**
5. Finalize TDM Plan update
6. DDoT Review CTR and Provide Report to Zoning Commission
7. Zoning Hearings and Approval
8. Monitoring and Compliance

---

# Comments & Questions