

Howard University Campus Plan

ZONING COMMISSION
District of Columbia

CASE NO. 11-15

EXHIBIT NO. 115

Transportation Analysis & Transportation Demand Management Zoning Commission Hearing – 12/5/11



GOROVE / SLADE

Transportation Planners and Engineers



TRANSPORTATION GOALS

Enhance Connectivity and Walkability

Improve Public Realm and Gateway

Improve East-West Connections

Minimize Replacement Parking but Maintain Flexibility

Enhance Shuttle Service

Improve Bicycle Accommodations

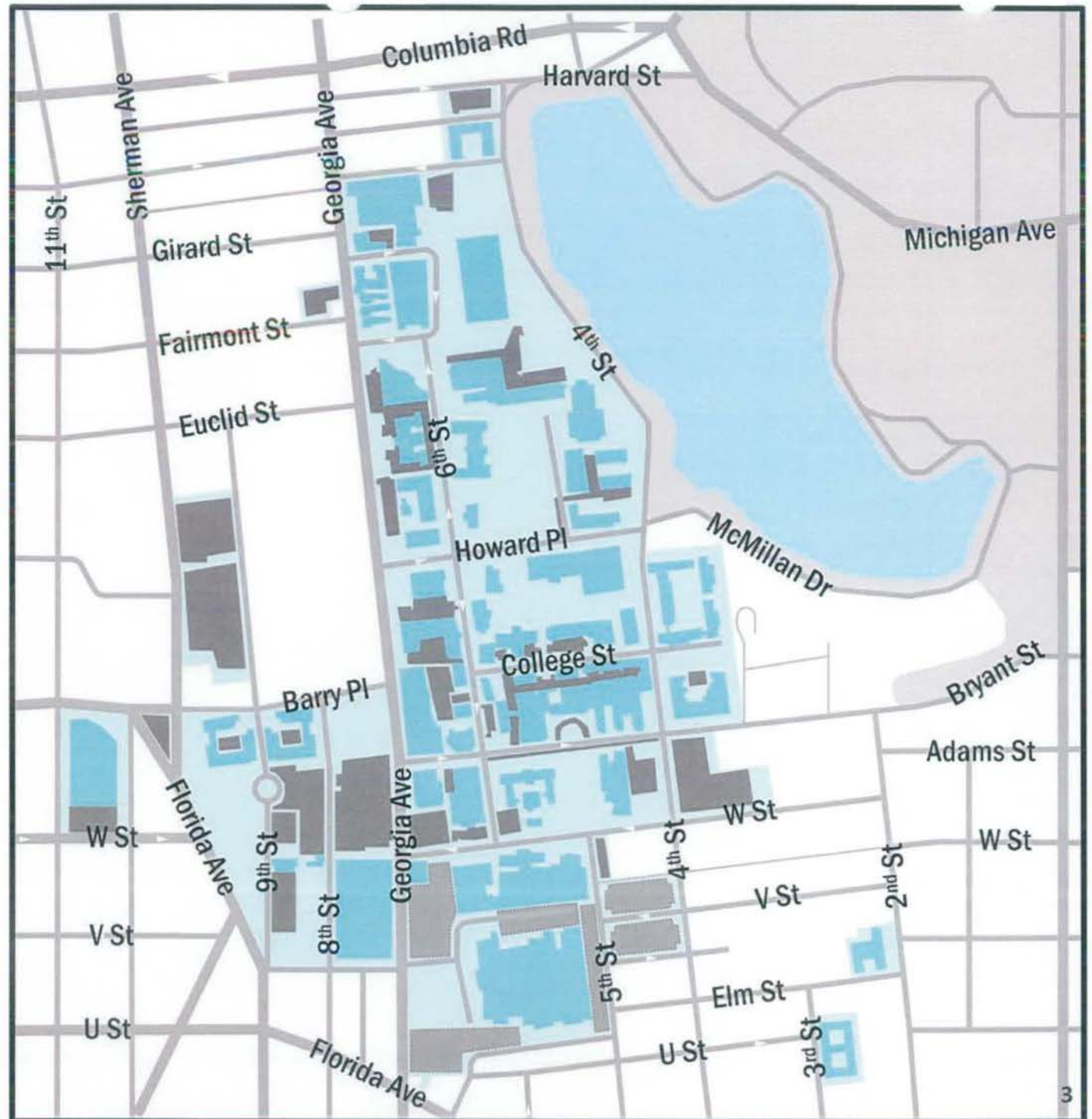
Improve Transportation Demand Management



EXISTING PARKING

Supply of 2,295 spaces
(not counting Hospital)

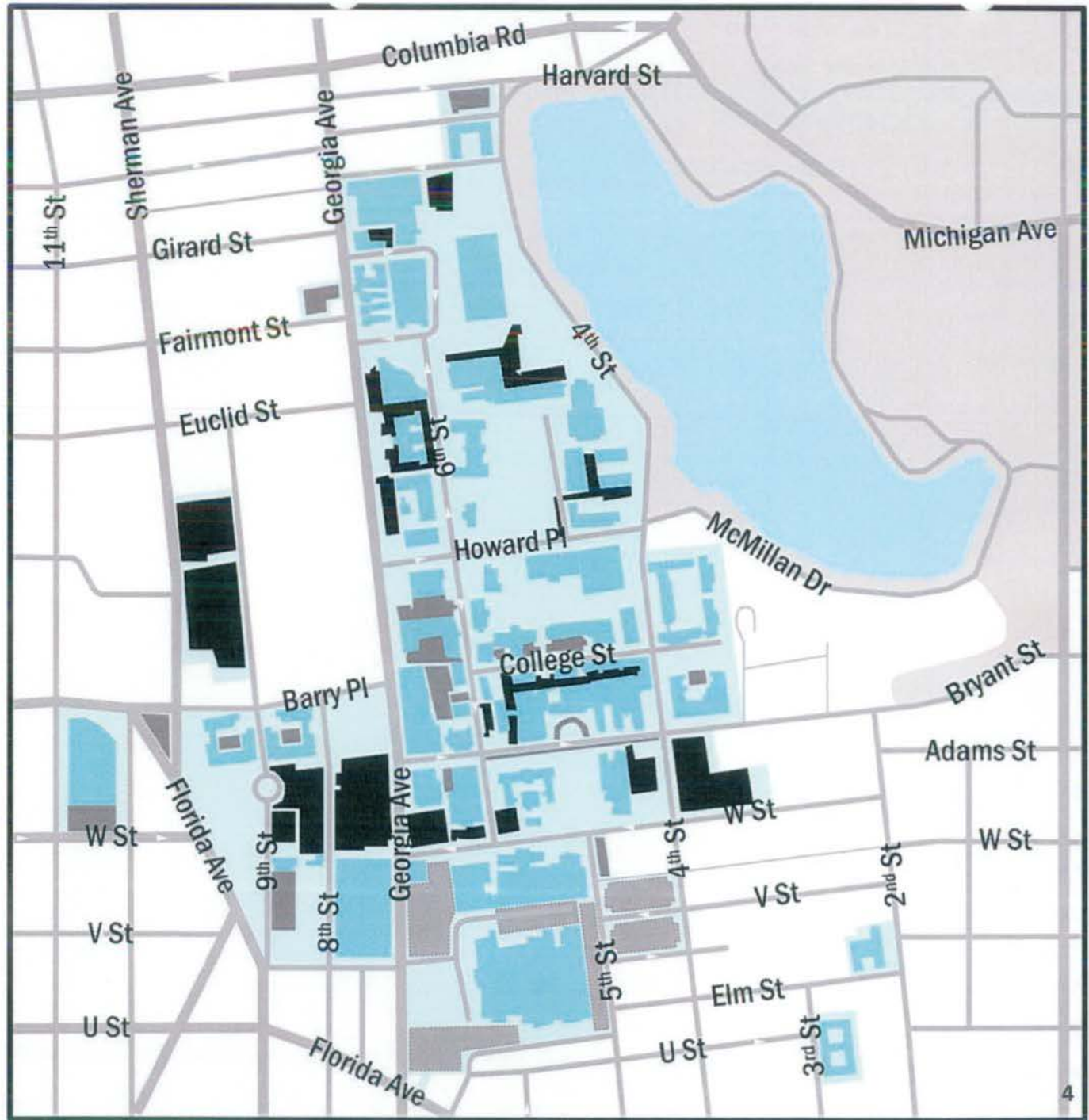
Existing demand of 1,748



PARKING REMOVAL

740 spaces to remain by end of Campus plan, of existing 2,295 spaces (not counting Hospital)

Main strategy of Campus Plan:
Lower parking demand with enhanced TDM to minimize new parking construction



 spaces removed





NEW PARKING

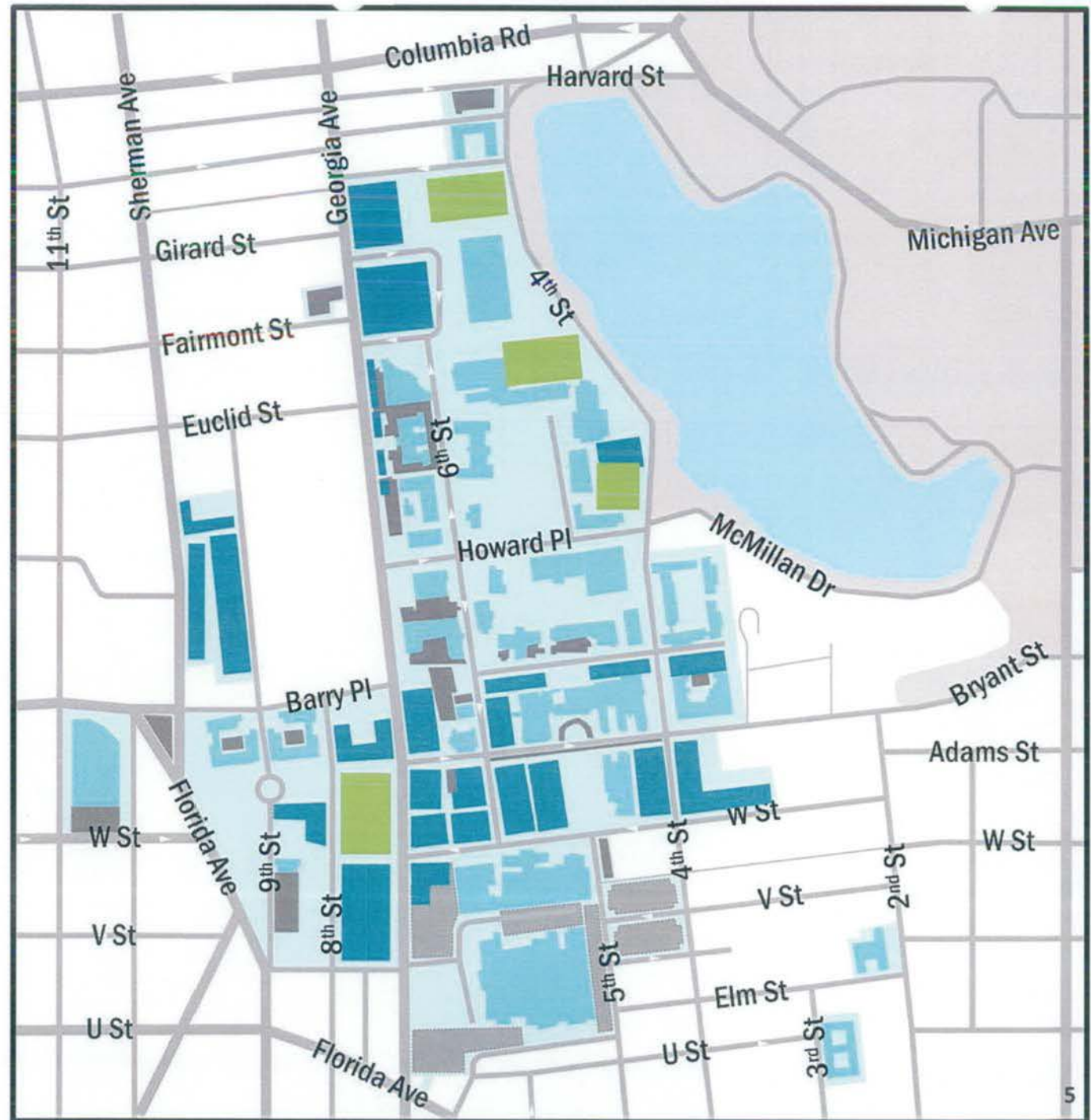
The Campus Plan contains four locations for 'preferred' parking garages, totaling 1,110 spaces.

With the 740 existing spaces remaining, the total supply would be 1,850 by the end of the Campus Plan

With a successful TDM program, the demand could reduce to 1,200 to 1,400 spaces, thus not all of the garages should be necessary

Monitoring will determine how many replacement spaces are constructed and evaluated with each Further Processing

-  new buildings
-  preferred garages



ANALYSIS

- Scoped with DDOT and followed DDOT requirements and industry methodology
- Horizons analyzed:
 - Existing Conditions
 - Future 2021 Conditions without Campus Plan
 - Future 2021 Conditions with Campus Plan
- Both Future (2021) conditions include changes from Great Streets plan
 - Fewer lanes on Sherman Avenue
 - Transit only lanes on Georgia Avenue
- Major changes with Campus Plan
 - Majority of people driving to campus will be parking in different locations
 - New buildings will lead to more pedestrian crossings, notably across Georgia Avenue and 4th Street



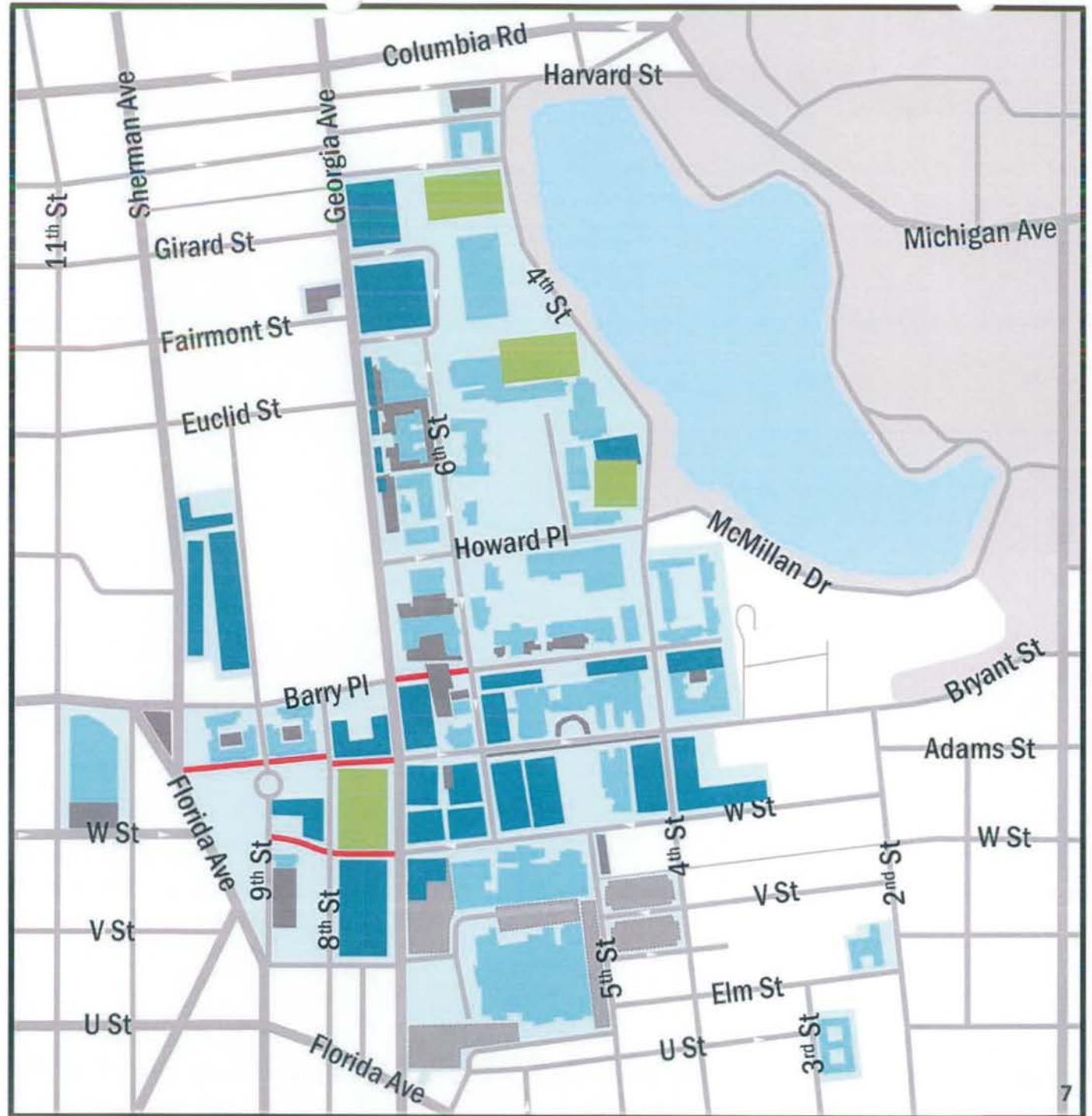
ROADWAY RECOMMENDATIONS

The Campus Plan contains new east-west connections

- Barry Pl/College St
- Bryant St
- W St

More coordination will be needed between University and DDOT to resolve implementation of Georgia Avenue Great Streets preferred alternative

 new streets



BICYCLE RECOMMENDATIONS

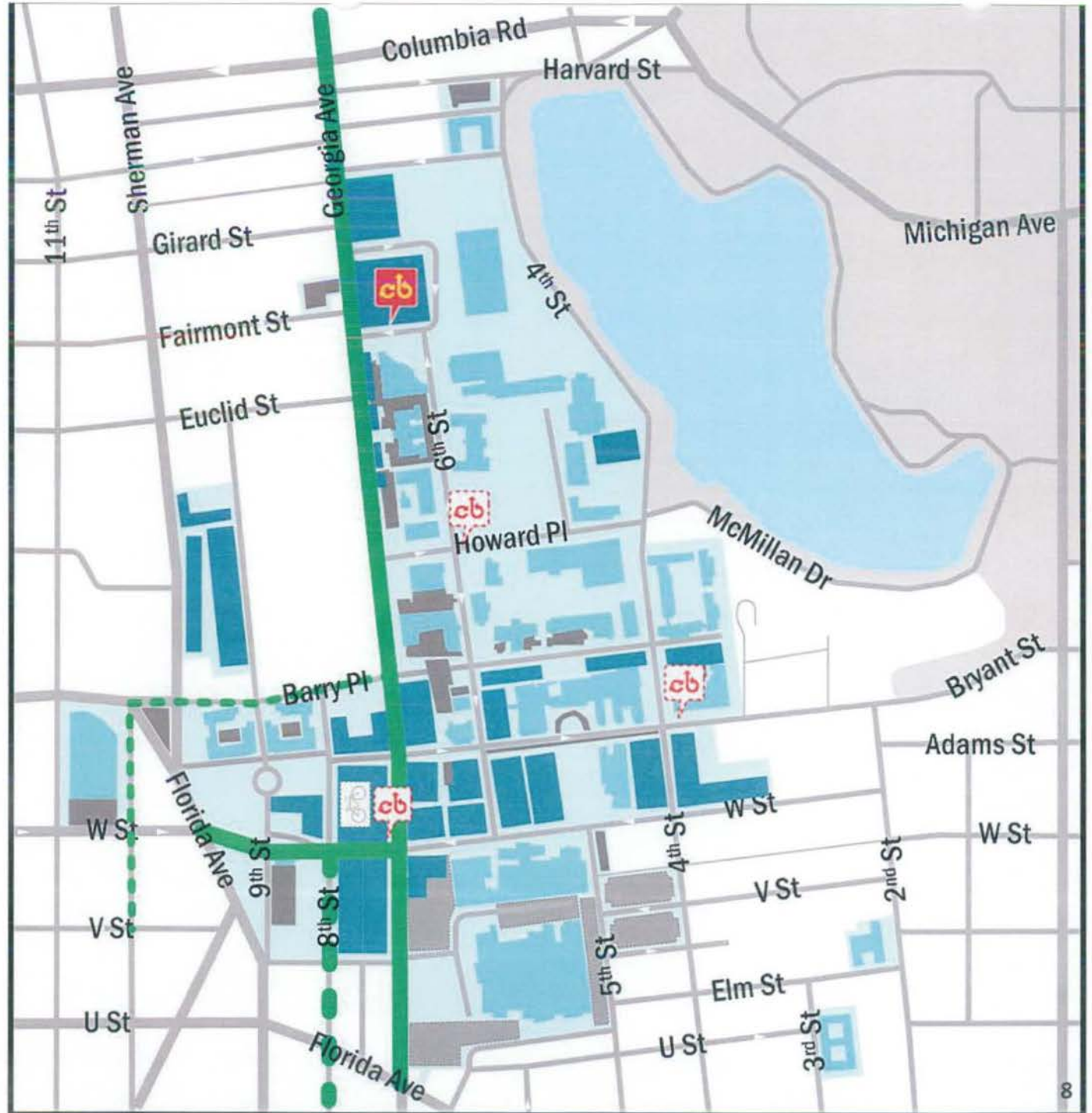
Add bicycle racks to campus, monitor demand & make adjustments

Establish commuter parking in a covered & secure area with access to shower facilities

Reserve room for Capital Bikeshare stations on campus near major activity centers and connections to bicycle facilities

Encourage new bicycle facilities to connect existing and planned routes to campus

 potential bicycle facilities



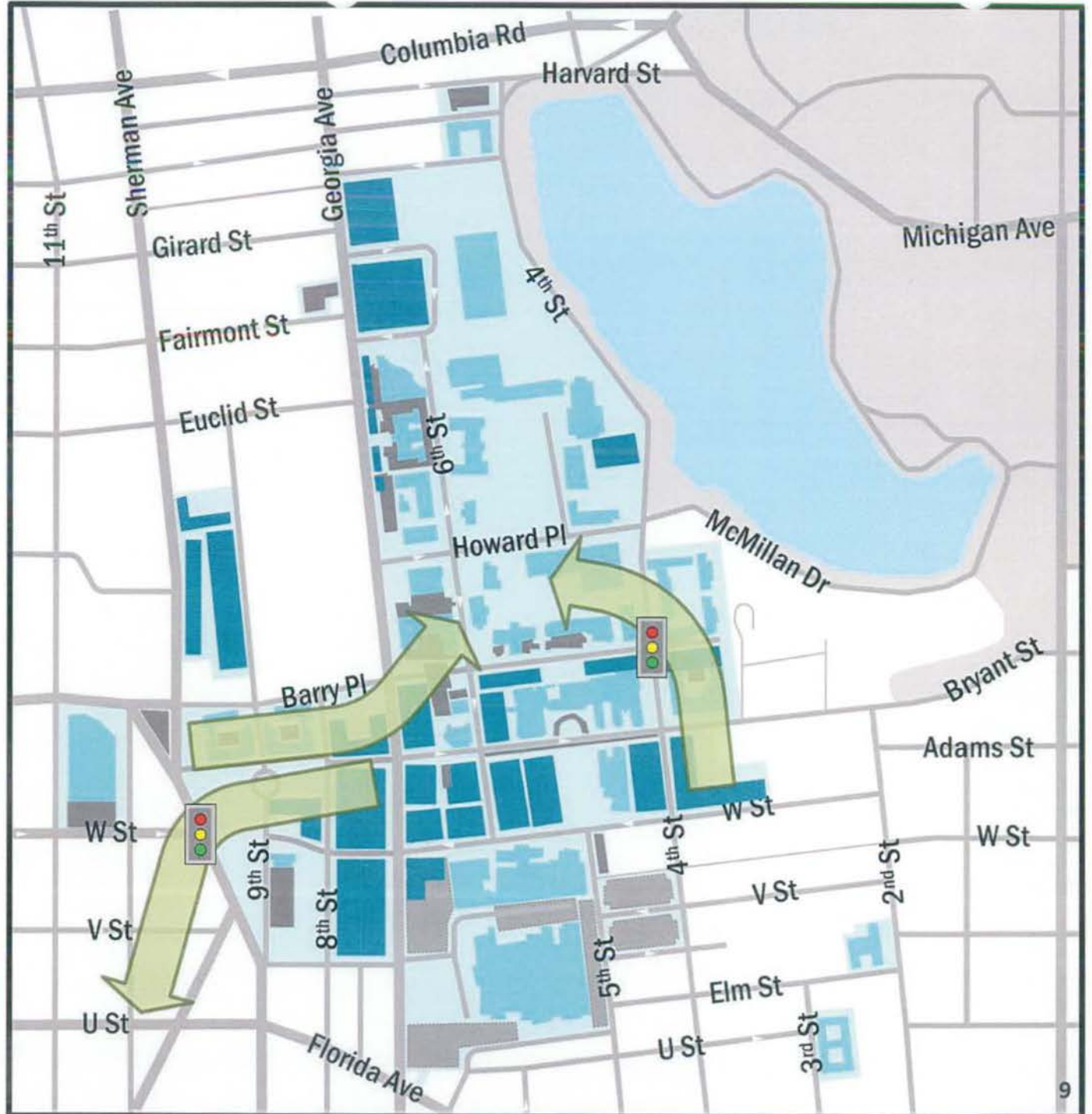
PEDESTRIAN RECOMMENDATIONS

New residence halls east of 4th and west of Georgia will create additional crossings

Anticipated increase in demand of pedestrians to/from U Street corridor and Metro portal

Need for traffic signal at College & 4th Street. Additional signal may be desirable at W & Florida if roadway connects between Florida and 9th.

Leading Pedestrian Intervals (LPIs) recommended for Georgia Avenue.



KEY RECOMMENDATIONS

Minimize parking with goal of 1,400 space demand

Implement robust TDM plan and monitoring

Improve bicycle parking and accommodations

Install signal at 4th and College Streets

Coordinate with DDOT on GA Ave implementation

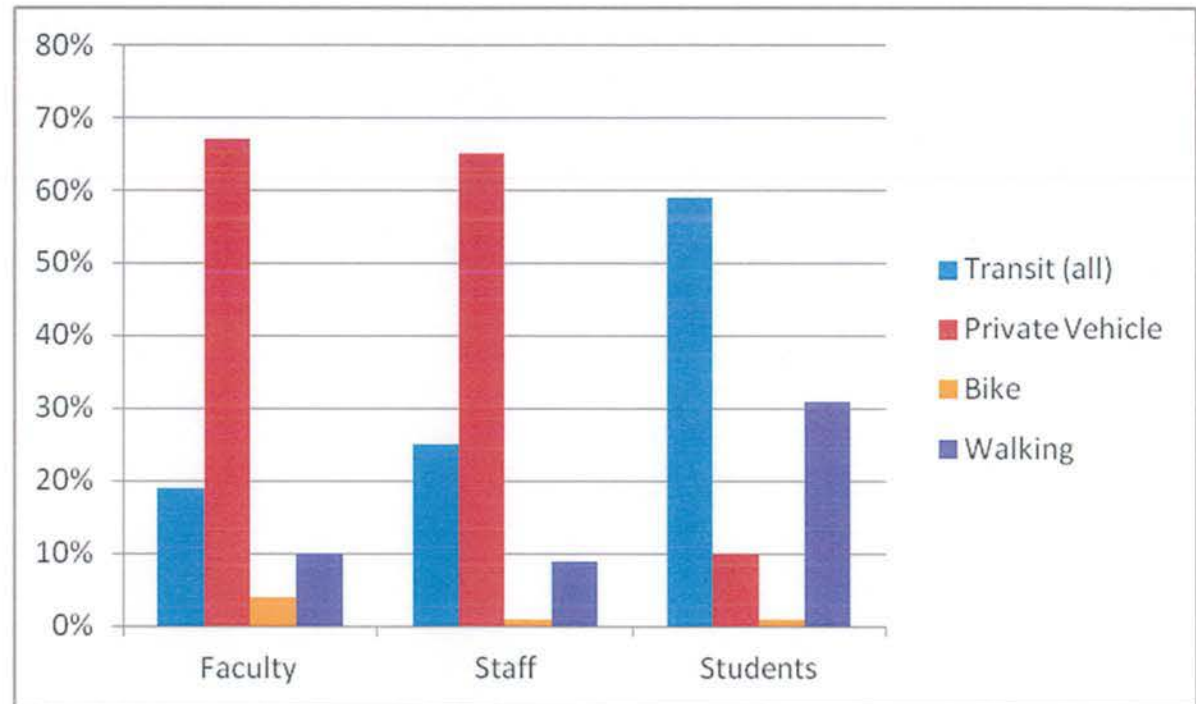


HOWARD UNIVERSITY CAMPUS MASTER PLAN TRANSPORTATION DEMAND MANAGEMENT



TDM Plan Methodology

- Identify projected growth
- Evaluate existing transportation systems
- Quantify current travel patterns
- Review HU current TDM measures
- Recommend new TDM Plan



Existing HU TDM Measures

- HU Shuttle Bus Service
- Parking management
- House 45% of University enrollment
- Capital BikeShare and ZipCar
- WMATA's SmartBenefits Program
- Trial Telecommuting/Flextime

New TDM Program Guidance

- DDOT's *Incorporate TDM into the Development Review Process*
- University of Washington (Seattle)
- University of Chicago
- Princeton University

HU TDM Plan

- Maintain bus stops during construction
- Bicycle parking
- Unbundling parking costs
- Post and publicize TDM commitments
- Identify a TDM Leader
- Transportation information kiosks
- Weblinks to commuter support websites
- Provide space for Capital BikeShare
- HU Shuttle Bus Service
- Telecommuting/Flextime
- Parking pricing based on demand
- Annual surveys