



FLORIDA  
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FLORIDA INTERNATIONAL UNIVERSITY

# CAMPUS MASTER PLAN UPDATE 2010-2020

Work Session #2

02 OCTOBER 2012

PERKINS+WILL



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# FOCUS GROUP 6

## Group 6 Transportation

### Typical items to be discussed at each Focus Group

- ✓ Provide overview of Campus Master Plan process, project schedule, and meetings
- ✓ Review and prioritize pertinent Evaluation and Appraisal Report (EAR) issues per group element(s)
- ✓ Key Issues that are important to You – review and share information brought to meeting to share with group
- ✓ Studies or Initiatives underway that would be helpful to incorporate in master plan
- ✓ Discuss additional university strengths, weaknesses, opportunities and threats
- ✓ Confirm Best Practices from other universities or communities



## Evaluation and Appraisal Report

- ✓ Address golf cart usage at MMC; golf carts impact pedestrian walkability and create liability in case of injury
- ✓ Continue to explore strategies for meeting the parking needs at MMC, including van pool shuttles within the vicinity of MMC and continued exploration of off-campus parking in the City of Sweetwater
- ✓ Implement alterations to the traffic circle on SW 16th Street designed by Facilities Planning to simplify and channel traffic flow more efficiently.
- ✓ Continue to explore strategies for meeting the parking needs at MMC, including off-campus parking at University City project in the City of Sweetwater
- ✓ Identify strategies to expand and enhance alternative transportation and sustainability programs
- ✓ Support work with the Miami-Dade Transit Department to increase transit services at FIU campuses, including advocating and lobbying for Metrorail extensions that would serve MMC, the EC and western Miami-Dade County communities.

## Evaluation and Appraisal Report

- ✓ Consider the potential for expansion of Miami-Dade County's Metro Rail system when planning for parking at MMC
- ✓ Continue to work with Miami-Dade County and host city "Circulators" to provide reliable and efficient transportation to FIU's campuses
- ✓ Consider incentives and disincentives to increase a mode shift to public transit and carpool travel to and from campus
- ✓ Review the current shuttle system between MMC, BBC, and EC to expand service, correct deficiencies and to meet the future needs of the University; consider how faculty staff and students might choose to park at the university location closest to where they live and take a shuttle to their actual campus destination
- ✓ Consider Transportation Demand Strategies to include staggering class schedules to increase parking availability on campuses
- ✓ Plan for traffic signal lights at MMC to help ease traffic congestion
- ✓ Study modification of access roads leading to the Blue and Gold parking garages as a way to free up adjacent land in the southeastern quadrant of MMC

Focus Group 6 – Transportation  
Meeting #2 October 2, 2012

## Homework

Provide **5** images of campus **strengths**, **5** images of campus **weaknesses** and a description of why, relative to the elements each group represents. As well as best practices from other Universities or places that you have experienced relative to the elements each group represents.

- ✓ Rick Torres, Ruben Diaz-Neda

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## HOMEWORK: FIU TRANSPORTATION ELEMENT STRENGTHS

### **Positive Traffic Flow**

East of PG 5 Market Station, good design and signage that assist with the direction of traffic.

### **16th Street Traffic Circle**

Better flow since redesign and introduction of road dividers



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## HOMEWORK: FIU TRANSPORTATION ELEMENT STRENGTHS

### Roadway Design to Blue and Gold Garages

Clear views for pedestrian and vehicular users

### Speed Bump Design

Good design where speed bump slows motorists before they reach crosswalk. (17<sup>th</sup> Street E and W bound)





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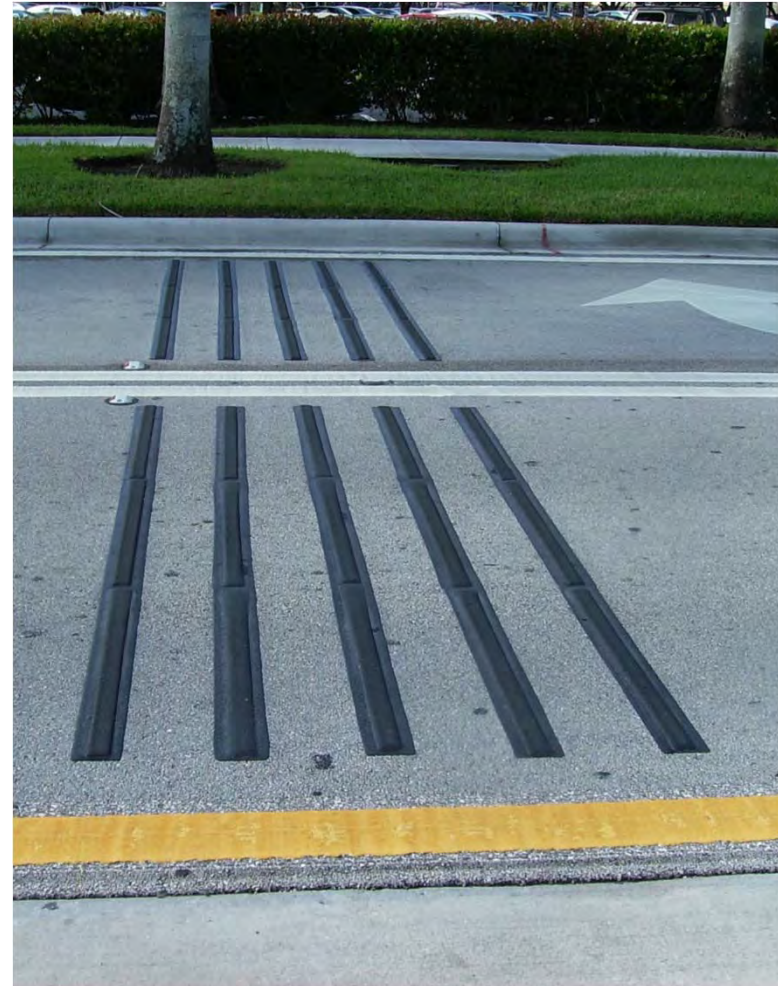
## HOMWORK: FIU TRANSPORTATION ELEMENT STRENGTHS

### **Like rumble type speed bumps**

Slow traffic without accordion effect  
(16<sup>th</sup> Steet West of 107<sup>th</sup> Ave)

### **Flashing Crosswalks**

Good visual stimulus to drivers for crosswalks with  
limited visual lead time and night time usage.



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## HOMEWORK: FIU TRANSPORTATION ELEMENT STRENGTHS

### **Panther Tram**

Good transportation option for cross campus transport from parking garage locations. Service and routes need to be expanded.



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## HOMEWORK: FIU TRANSPORTATION ELEMENT STRENGTHS

**Any Other Strengths?**



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## HOMEWORK: FIU TRANSPORTATION ELEMENT WEAKNESSES

### **Unused Campus Bus Stops**

Not assigned to Panther Tram or Shuttle to Engineering Campus. No scheduling information.

### **Speed Bumps**

Causes accordion on campus traffic from 8<sup>th</sup> Street on 112<sup>th</sup> Ave.



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## HOMEWORK: FIU TRANSPORTATION ELEMENT WEAKNESSES

### Landscape Maintenance at Crosswalk/Pedestrian Areas

Hedges and landscape need to be maintained to provide views between pedestrians and vehicles.

- Parking Lot 6 at 17<sup>th</sup> Street exit
- DM crosswalk to the dorms (Towers)

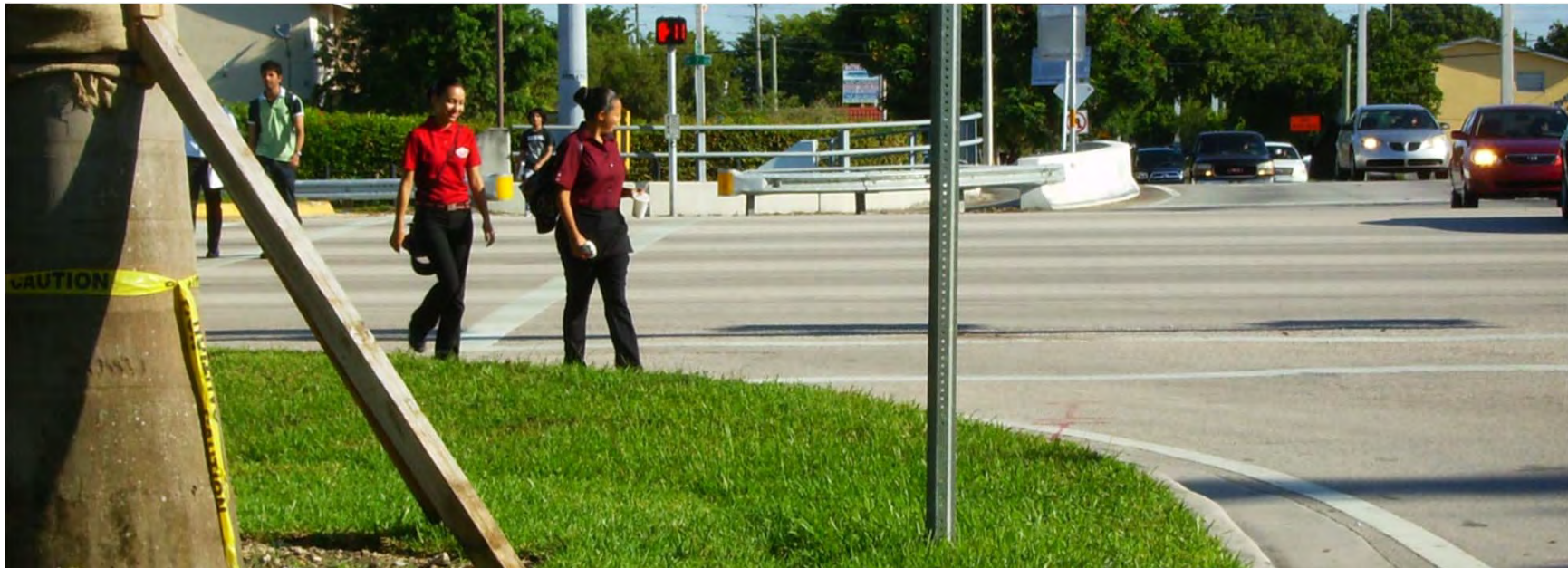


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## HOMEWORK: FIU TRANSPORTATION ELEMENT WEAKNESSES

### 109<sup>th</sup> Avenue Walkway

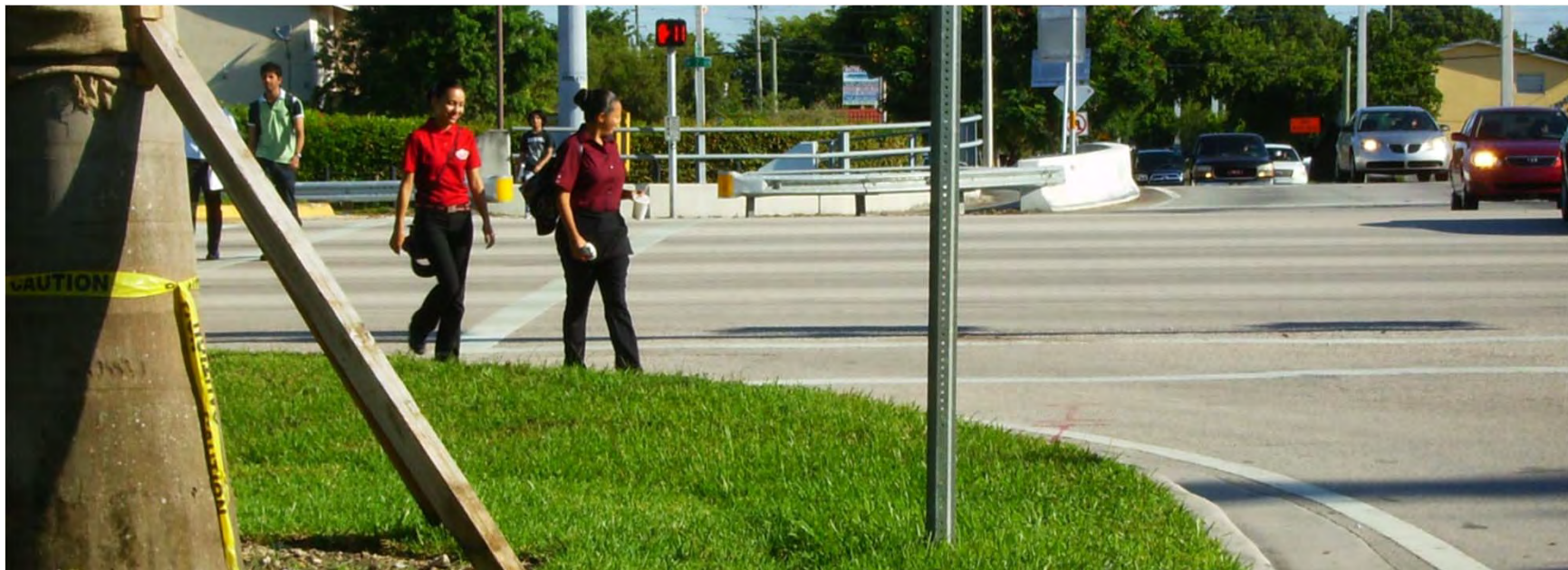
Need for a walkway at this location to take pedestrians off the roadway from 8th Street



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## HOMEWORK: FIU TRANSPORTATION ELEMENT WEAKNESSES

**Any Other Weaknesses?**



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## TRANSPORTATION ISSUES RAISED IN OTHER FOCUS GROUPS

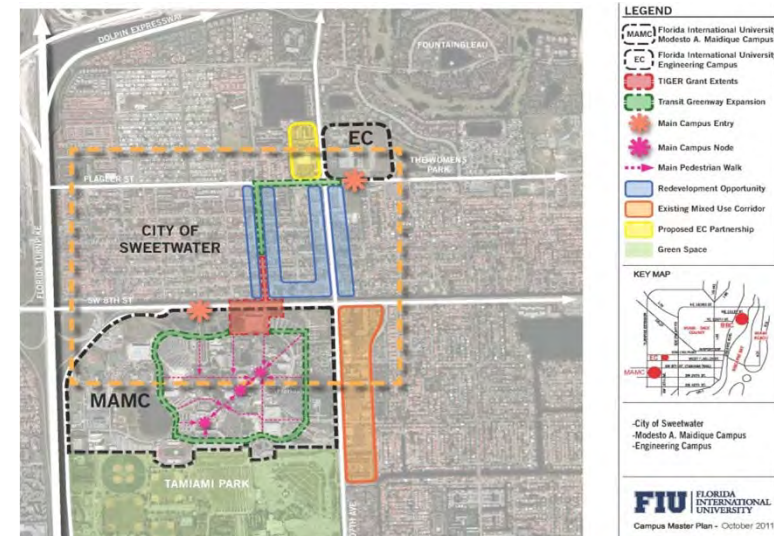
### Group 1- Academic Mission, Academic Program & Academic & Research Facilities:

All undergraduates or College of Education moved to BBC

Hospital/ Clinic located at BBC

### Group 2 - Open Space, Recreation, Land Use, Conservation & Coastal Management :

Acquisition of additional lands near MMC for future development





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## TRANSPORTATION ISSUES RAISED IN OTHER FOCUS GROUPS

### **Group 3 Urban, Architectural & Landscape Design Guidelines:**

Greenbelt Parkway on MMC linking major transportation and pedestrian areas of campus

Greenbelt linking three special purpose green spaces; Preserve, Hennington Island and President's Park



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## TRANSPORTATION ISSUES RAISED IN OTHER FOCUS GROUPS

### **Group 4 Housing, Support Facilities & Student Life Elements:**

Focus on mixed-Use housing that incorporates parking, dining and retail at BBC and MMC

Reconfigure or redevelop University Park Apartments to better meet the needs of MMC and Academic Health Sciences

Partnerships with private sector to build affordable off-campus housing

South MMC is underserved with convenient parking

New parking north of Tower Housing

Land swap delay has caused introduction of parking into campus near housing against the Current Master Plan

Total parking demand for housing is 2400 spaces

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## TRANSPORTATION ISSUES RAISED IN OTHER FOCUS GROUPS

### **Group 5 Infrastructure, Utilities & Maintenance:**

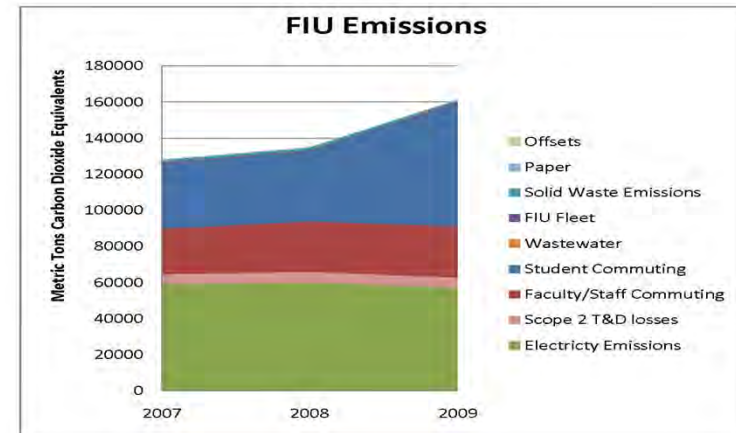
Most greenhouse gas categories are declining except student commuting, causing total FIU emissions to increase

More public transportation, inter-campus shuttles, electric charging vehicles and on-campus housing will reduce emissions

### **Group 7 Inter-governmental Coordination, Advancement & Alumni Affairs:**

Access to Medical school clinics and doctor's offices

Community access to campus cultural activities



# Focus Group 6 – Transportation

## Meeting #2 October 2, 2012

### KEY FOCUS GROUP 6 ISSUES DISCUSSED

Coordination with TIGER Grant multi-modal center on MMC

Secondary access to BBC

Connection of North Miami bike path to BBC

Golf Cart Traffic Policy to be coordinated with bicycle/pedestrian system

Emergency vehicle access routes for all campuses, shared with golf cart system if able

Wayfinding and signage on campuses

Coordination of Shuttle and Circulator routes in host and adjacent communities

Enhance integration with Miami Dade Transit system

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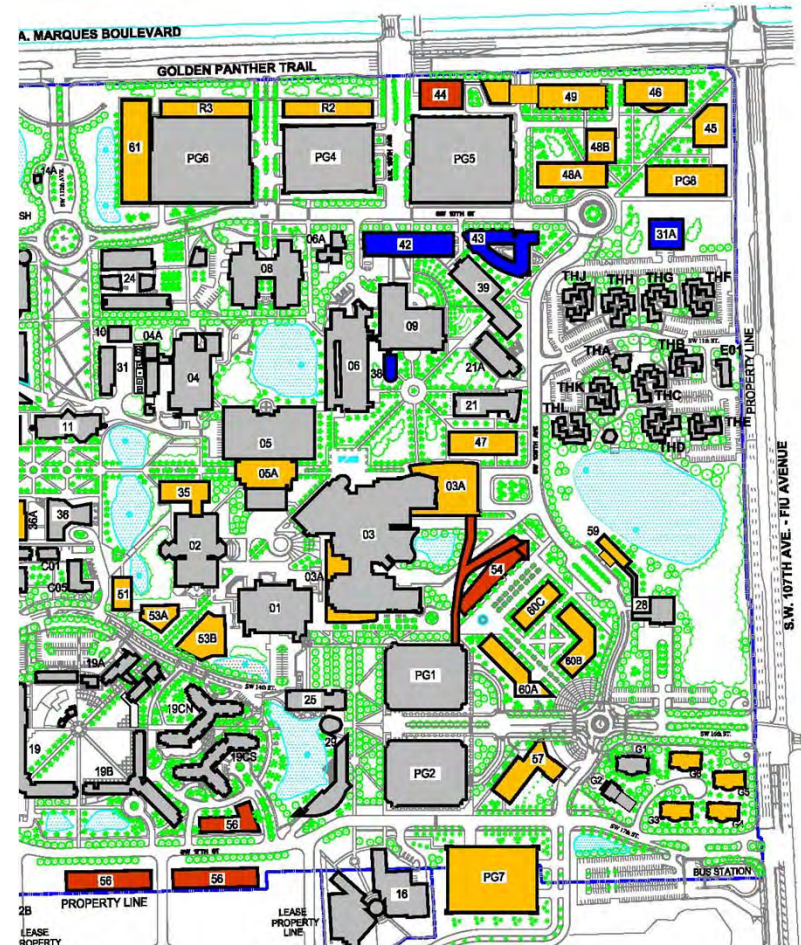


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## ANY ADDITIONAL KEY ISSUES?

### PG6

- Location
- Uses
- Program



## Traffic Congestion/Roadway Capacity- Modesto Campus

### Intersections to be Analyzed

- SW 8<sup>TH</sup> ST. and SW 117<sup>TH</sup> AVE
- SW 8<sup>TH</sup> ST. and SW 112<sup>TH</sup> AVE
- SW 8<sup>TH</sup> ST. and SW 109<sup>TH</sup> AVE
- SW 8<sup>TH</sup> ST. and SW 108<sup>TH</sup> AVE
- SW 8<sup>TH</sup> ST and SW 107<sup>TH</sup> AVE
- SW 117<sup>TH</sup> AVE and SW 17<sup>TH</sup> ST
- SW 115<sup>TH</sup> AVE AND SW 17<sup>TH</sup> ST
- SW 115<sup>TH</sup> AVE AND SW 11<sup>TH</sup> ST
- SW 17<sup>TH</sup> ST. AND UNIVERSITY DR
- SW 14<sup>TH</sup> ST AND UNIVERSITY DR
- SW 11<sup>TH</sup> ST AND UNIVERSITY DR**
- SW 112<sup>TH</sup> AVE AND UNIVERSITY DR
- SW 109<sup>TH</sup> AVE AND UNIVERSITY DR**
- SW 108<sup>TH</sup> AVE AND UNIVERSITY DR**
- SW 12<sup>TH</sup> ST AND UNIVERSITY DR
- SW 12<sup>TH</sup> ST AND SW 107<sup>TH</sup> AVE
- SW 16<sup>TH</sup> ST AND UNIVERSITY DR
- SW 16<sup>TH</sup> ST AND SW 107<sup>TH</sup> AVE



### Internal Campus Drive Signalization Improvements

## Traffic Congestion/Roadway Capacity-Engineering Campus

### Intersections to be Analyzed

- NW 107<sup>TH</sup> AVE and FIU EC ENTRANCE
- NW 107<sup>TH</sup> AVE and NW 7<sup>TH</sup> ST.
- W FLAGLER ST and FIU EC ENTRANCE
- W FLAGLER ST and FIU EC ENTRANCE

### Intercampus Connectivity

- Campus Shuttle to MMC
- Pedestrian Bridge Connection at MMC
- Pedestrian Greenway Connection



## Traffic Congestion/Roadway Capacity-Biscayne Campus

### Intersections to be Analyzed

- NE 163<sup>RD</sup> ST and BISCAYNE BLVD
- NE 151<sup>ST</sup> ST and BISCAYNE BLVD
- NE 163<sup>RD</sup> ST and INTERAMA BLVD
- NE 151<sup>ST</sup> ST and NE 145<sup>TH</sup> ST
- NE 151<sup>ST</sup> ST and FIU ENTRANCE

### Evaluation of 2<sup>nd</sup> Entry to BBC

- Critical to Campus Expansion/Build-up

