Transportation Element Focus Group Meeting #3
Campus Master Plan 2010-2020:
Transportation Agenda

1. MMC

2. EC

3. BBC

a. Inventory & Analysis Review
b. Campus Vision Plan Review
c. Campus Change since 2010

4. Implementation Strategies & Concepts
   a. Concept 1
   b. Concept 2
   c. Concept 3
# Master Planning Schedule

<table>
<thead>
<tr>
<th>Activity</th>
<th>Dates</th>
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<tbody>
<tr>
<td>Inventory &amp; Analysis</td>
<td>July-Oct 2012</td>
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<tr>
<td><strong>Preliminary Alternative Concepts</strong></td>
<td>Nov-Dec 2012</td>
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<tr>
<td>Concept Plan Development</td>
<td>Jan 2013</td>
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<tr>
<td>Draft Comprehensive Master Plan</td>
<td>Feb-July 2013</td>
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<tr>
<td>Final Comprehensive Master Plan</td>
<td>Aug-Dec 2013</td>
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<tr>
<td>BOT Approval of Master Plan</td>
<td>Dec 2013</td>
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INVENTORY & ANALYSIS OVERVIEW
Transportation & Parking Inventory and Analysis – MMC/EC

Parking-
• Adequate Capacity through 2020
• Improve Parking efficiency to allow CMP implementation
• Implement strategies to minimize parking demand/Single Occupancy Vehicle (SOV) trips

Transit
• Encourage increased ridership on public and FIU provided transit
• Potential MDT Express Bus hub at MMC
• Expand community shuttle system connections (Sweetwater/Doral)

Bike and Pedestrian
• Improve pedestrian routes/safety from garages/parking to Campus core.
• Improve Bicycle facilities on campus and encourage off campus improvements

Safety
• Designated Bike lanes
• Pedestrian crosswalks
On-Campus Roadways
- Peak volume intersection levels of service
- Segment improvements to accommodate current use and CMP implementation
- Implement strategies to minimize parking demand/Single Occupancy Vehicle (SOV) trips

Off-Campus Roadways
- Adequate levels of service
- Improvements to SW 8th Street and SW 107th Avenue intersection
- Need for bike lanes/connectivity
- Pedestrian friendly streetscapes

Transportation Demand Management Strategies
- Reduce parking reliance/demand
- Enhance transit ridership
- Bicycle and pedestrian improvements
- On-Campus housing
- Transit Oriented Development (TOD)
Transit, Parking and Service Map – EC
Transportation & Parking Inventory and Analysis – BBC

Parking-
- Adequate Capacity through 2020
- Implement strategies to minimize parking demand/Single Occupancy Vehicle (SOV) trips

Transit
- Encourage increased ridership on public and FIU provided transit
- Expand community shuttle system connections (North Miami Express)

Bike and Pedestrian
- Improve pedestrian/bike link to Oleta State Park to provide connectivity for North Miami community
- Improve Bicycle facilities on campus
- Secure continuous bike lane from Biscayne Boulevard

Safety
- Second campus vehicular access
Transportation & Parking Inventory and Analysis – BBC

Off-Campus Roadways
- Adequate levels of service
- Improvements to Biscayne Boulevard and 151 Street intersection
- Need for continuous bike lanes/connectivity
- Pedestrian friendly streetscapes

Transportation Demand Management Strategies
- Reduce parking reliance/demand
- Enhance transit ridership
- On-Campus housing
- Transit Oriented Development (TOD) – Biscayne Landings/transit hub
Pedestrian and Bicycle System Map – BBC
Campus Guiding Principles

- Develop a **sustainable** campus environment.

- Develop forward looking, **innovative and interdisciplinary** learning and research environments.

- **Reinforce FIU’s identity** through the articulation of landmarks, precincts, edges, buildings, and open spaces.

- Create a more **compact urban environment**.

- Develop comprehensive **multi-modal solutions to transportation & infrastructure**.

- Establish better **connectivity with neighboring communities**.

- Create a safe, connected, **pedestrian-friendly campus**.

- Site core academic programs along **main axes**.

- Develop **student life mixed use communities**.

- Foster learning through **multipurpose open space**.
Sustainable Planning Principles

- **Multi-modal circulation** and access to planned metro transit systems
- Mixed use parking decks at perimeter of campus
- More *compact urban environment* with connectivity to community
- Student residential community with mixed use amenities on campus
- Creating “green lungs” with open space quadrangles, courtyards, landscaping, and water features
- **Campus green belt** for pedestrian and vehicular movement
- **Building guidelines** encouraging natural ventilation, shading, and daylighting in exterior and interior spaces to reduce energy consumption
- Outdoor **lighting guidelines** for efficient energy use
- **On-site storm water treatment and management**
- **Landscape guidelines** for shade, filtration and water efficiency
- Recycling/composting: facilities, construction, mail/print services, dining
- **Thermal Energy Storage** (ice tanks) planned with new chiller plants
- **Precinct plants**: mini-loops for efficiency and shared redundancy
OPTION #1
Expand in Place / Create a Strong Core
Expand in Place I Create a Strong Core

Key Characteristics

- Program expansion consolidates current campus districts
- Infill buildings and additions strengthen each campus core
- Preserves future perimeter building sites at each campus
- Maximizes growth at MMC
- Minimizes growth at EC and BBC
CONCEPT #2
Shift Programs / Reinforce Campus Identity
Shift Programs | Reinforce Campus Identity

Key Characteristics

• Academic Health programs strengthen MMC identity

• Engineering, Math and Computing programs strengthen EC identity

• Hospitality, Education and Environmental Science programs strengthen BBC identity

• Maximizes future MMC flexibility

• Maximizes balanced growth across campus
Concept 2
OPTION #3
Expand at the Perimeter / Reinforce Partnerships
Expand at the Perimeter | Reinforce Partnerships

Key Characteristics

- Focuses growth at each campus perimeter
- Strengthens sites for visible partnerships
- Repositions EC highest and best use
- Shifts Engineering to MMC
- Maximizes future campus core infill opportunities
Concept 3
DISCUSSION