Campus Master Plan Presentation for Ecological Principles in Building Seminar
September 27, 2012
The Campus Master Plan is:

a dynamic document that guides the orderly growth and attractive development of the university’s physical facilities in a sustainable way and that helps to establish a sense of place and community.
FRAMEWORK

1. promote compact growth within the existing campus
2. establish state street as a collaborative zone
3. create program synergies through mixed-use districts
4. encourage a simple, integrated transportation system with a perimeter parkway
5. preserve the western lands
PRINCIPLE 1: PROMOTE COMPACT GROWTH WITHIN THE EXISTING CAMPUS
PRINCIPLE 2: ESTABLISH STATE STREET AS A COLLABORATIVE ZONE
- create neighborhood centers around iconic open spaces
- connect neighborhoods through stepping quads
- establish third street as a secondary collaborative corridor
PRINCIPLE 3: CREATE PROGRAM SYNERGIES THROUGH MIXED-USE DISTRICTS

- Residential
- Student Life
- Student Success Corridor
- Academic
- Collaborative
- Life and Health Sciences
- Park
- Research
PRINCIPLE 4: ENCOURAGE A SIMPLE, INTEGRATED TRANSPORTATION SYSTEM WITH A PERIMETER PARKWAY

- develop an efficient interior campus shuttle loop

Proposed segments of the existing County Transportation Plan that consultants challenged us to reconsider
PRINCIPLE 5: PRESERVE THE WESTERN LANDS
- create a cohesive greenbelt around the campus core
PRINCIPLE 5: PRESERVE THE WESTERN LANDS

- Develop links through regional and on-camps trails
STUDENT SUCCESS CORRIDOR
Student Success Corridor Planning Update

Center for Student Excellence & Leadership
Total Cost: $29,500,000
Status: In Construction
Occupancy: Summer 2014

Student Fitness and Wellness Center
Total Cost: $98,000,000
Status: In Construction
Occupancy: October 2012

Active Learning Center
Total Cost: $89,000,000*
Status: Pending CPC approval, State approval required for funding
Planning: TBD
Bid: TBD
Construction: TBD
* Cost includes demolition of existing facilities

Vawter Field Housing
Total Cost: $37,397,000
Status: In Construction
Occupancy: Summer 2014

Student Projects Facility
Total Cost: $18,500,000
Status: Pending donor funding
Planning: TBD
Bid: TBD
Construction: TBD
LIFE & HEALTH SCIENCES PARK
Life and Health Sciences Park Planning Concepts

1. Herrick Lab
2. Health and Human Sciences Research Facility
   - Speech, Language and Hearing Sciences
   - Health and Human Sciences Clinics
   - Medical Education (IUSM)
3. Drug Discovery Research Facility
4. Agricultural and Life Sciences Building
5. Parking Garage
6. Classroom/Study Facility
7. Research Animal Care and Use Facility
8. Plant Sciences
   - Agronomy
   - Botany
   - Horticulture
   - Entomology
9. Life Sciences Teaching/Research Facility (Biology Replacement)
10. Forestry Building Renovation
11. College of Pharmacy Replacement
12. Jischke Hall Addition
13. Agricultural and Biological Engineering Addition
TRANSPORTATION RELATED PROJECTS
Impacts to South Campus Parking Due to South Campus Development

<table>
<thead>
<tr>
<th>Parking Lot Location</th>
<th>Current Spaces</th>
<th>Spaces Added</th>
<th>Reassigned Spaces</th>
<th>Spaces Lost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discovery Park Lot</td>
<td>76</td>
<td>110</td>
<td>32</td>
<td>-320</td>
</tr>
<tr>
<td>Loss of parking due to HHS and Drug Discovery</td>
<td>-75</td>
<td></td>
<td></td>
<td>-75</td>
</tr>
<tr>
<td>Loss of parking due to US 231/South Riche Dr. Extension</td>
<td>32</td>
<td></td>
<td></td>
<td>-320</td>
</tr>
<tr>
<td>Total Spaces Lost</td>
<td>248</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Strategies for Adding Interim Parking Capacity

<table>
<thead>
<tr>
<th>Strategies</th>
<th>Current Spaces</th>
<th>Spaces Added</th>
<th>Reassigned Spaces</th>
<th>Spaces Lost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construct gravel parking adjacent to Riche Dr. Extension</td>
<td>110</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construct gravel parking west of Riche Dr. Substation</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reassign C permit to AB permit in Discovery parking lot</td>
<td>381</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reassign Contractor Parking spaces North of MMBF (See US 231) projects behalf to Permit Parking</td>
<td>300</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Spaces Added/Reassigned</td>
<td>147</td>
<td>110</td>
<td>32</td>
<td></td>
</tr>
</tbody>
</table>

Net Parking                                      | 28             |              |                  |             |

South Campus Parking Impacts

- Yellow: New Parking Lots
- Interim Parking Lots
- Parking to be Removed
Inner-Campus Loop (Route 19)
Active now. Runs every 10 minutes
Route begins at 7:10 AM at Discovery Park Lot (South of Nimitz Dr.)
Route ends at 6:04 PM at Lynn Hall (Vet School)
More details? Go to: www.GoCityBus.com
Ahlers Drive Loop (Route 24)
Active during academic school year. Runs every 20 minutes
Route begins at 6:17 AM at Ahlers Drive Lot (north of MMDC)
Route ends at 5:37 PM at Ahlers Drive Lot (north of MMDC)
More details? Go to: www.GoCityBus.com
Long Term Parking Recommendations

1. **Build new Garage in Life & Health Sciences Park** to replace parking spaces lost due to planned expansion of academic facilities & parkway construction. (IN-CONSTRUCTION)

2. **Replace Marsteller Garage** (due to age) on-site, east of existing Wood St. Garage or some other location in vicinity (IN-PLANNING) – accommodation of parking for future housing in SE district may be necessary, as well.

3. **Maximize surface parking near Rec. Sports Center** due to expansion of existing rec. facility (IN-CONSTRUCTION) – accommodation of parking for future housing in this district may be necessary, as well.

4. **Provide convenient parking for Discovery Park visitors** (COMPLETED 2011) and pave the A-permit spaces in Discovery Park lot (south of Nimitz Dr.) (IN PLANNING); plan for future garage if existing gravel lot is removed due to future development (currently, no plans for development).

5. **Pave gravel lot north of ELLT** (COMPLETED 2011); provide 200+ space parking deck on site as part of any future development on existing lot.

6. **Monitor Northwestern Garage usage**; replace south wing on north side in future, if necessary.
State Street Redevelopment

- Create Purdue’s Collaborative District; “Main Street”
- Encourage “Complete Streets” development (accommodate all modes)
- Cost Share with City/County?
- Begin upon completion of Phases 1 and 2 of the Perimeter Parkway project

Northwestern Avenue Pedestrian Improvements

- Establish linear barrier (possibly PU’s “smoking fence”) along road edges and landscaped median except at crosswalks
- Establish designated cross walks at approximately 4 locations (between Stadium Ave. and Grant St.)
- Cost Share with City?
- Begin upon completion of INDOT relinquishment in conjunction with Wang Hall development
1. Purdue Mall – Stadium Mall to Centennial Mall (around fountain)
   Third St. to path west of MSEE
2a. North of US 231 - Airport Rd. to Jischke Dr.
   Jischke Dr. – US 231 to Harrison St.
2b. S. Russell St. – Harrison to US 231
2c. East of US 231 – Ahlers Dr. to River Rd.
3. South of CL 50 – MATH to Oval Dr.
4. East of AGAD – Ag Mall to path south of State St.
5. South of WDCT – Jischke Dr. to Russell St.
6. West of BIRK – Squirrel Park - $300 K
Campus Signage and Wayfinding

Pilot Project – South Campus Complex (Priority - PF Customers)
Phase 1 – General Academic Campus (Priority - Admissions–related Facilities)
Phase 2 – General Academic Campus (Priority – Remaining Campus Facilities)
Phase 3 - Intercollegiate Athletics Facilities
Phase 4 – Housing and Food Services Facilities
Phase 5 – Recreational Sports Facilities
Phase 6 – Parking Services / Misc. Support Facilities

Related Signage Projects
Airfield Signage Replacement (FAA req’d)
Arboretum identification markers (QR code technology)
Interpretive Signage for Cultural, Historical and Educational sites/features
Bike System Maps at Major Parking Sites / QR Code technology
OTHER PROJECTS OF INTEREST
Campus Storm Water Projects

1. Northwest Athletic Site
   Storm Water Improvements

2. Purdue Campus Stream
   Storm Water Improvements
   • Campus Stream/Wabash River Tributary Watershed Improvement
   • Hort Park hiking trails erosion control

3. South Campus Complex
   Storm Water Improvements
   • Ahlers Drive Storm Water Improvements near IMI Plant, PU South Cooling Towers
   • Coal Handling Drive - redirect storm water off roadway ditches
   • Refuse & Recycling Outfall Area
   • PFSB / MMDC / BOWN Area Improvements

4. Gravel Pit Area
   Storm Water Improvements
   • East of Airport Site – Connect to US 231 corridor drainage
   • South of Airport (Future Vet School Site) outlet pipe to Wabash River
   • South of Airport – Wetland Mitigation (~ 20 acres)
Visiting Our Solar System
By Jeff Laramore and Tom Fansler
Sponsored by EPICS – VOSS Team
John Purdue Sculpture
By Julie Rotblatt Armany
Gift from Iron Key