

Campus/Downtown District Opportunities Study

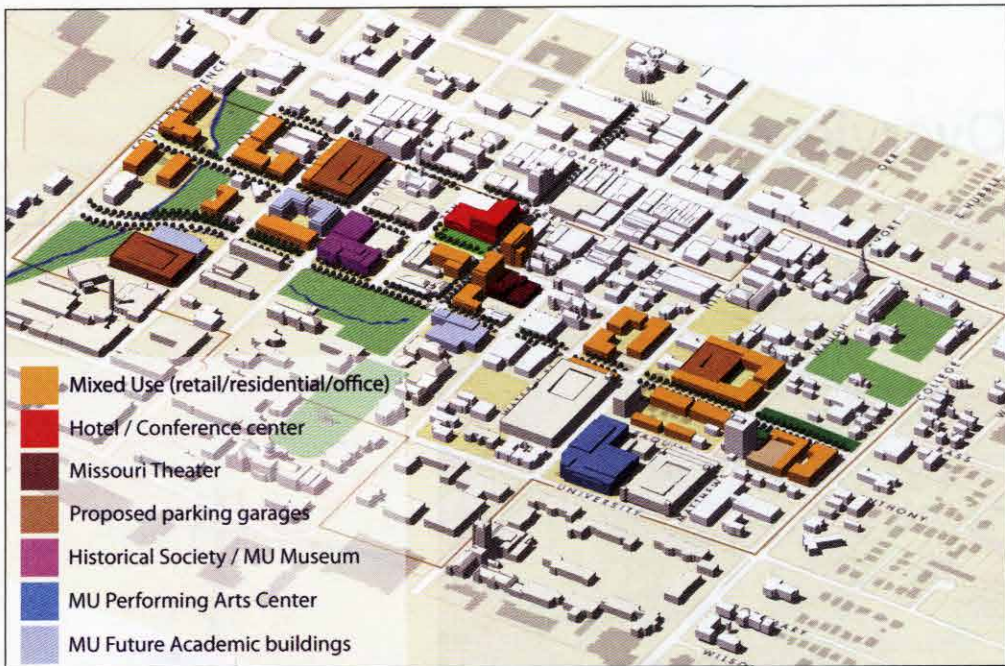
Land-use and urban-opportunities study by MU, the City of Columbia and Stephens College has identified existing and potential institutional, public, cultural, commercial and residential opportunities that can regenerate the downtown area abutting the north edge of the MU campus.

Clusters of regeneration and a new campus district gateway

The study conceptualizes three urban reinvestment clusters in the area: 1) housing, office and commercial developments abutting both sides of Flat Branch Park; 2) a proposed "civic square" with higher density development in the area of the Avenue of the Columns (Eighth Street); and a 3) mixed-use development emphasizing a variety of urban housing types along an extension of Elm Street to College Avenue. The Avenue of the Columns and Elm Street will become important public boulevards and greenways signifying the relationship between MU and the city; and the extension of Elm Street to College Avenue will provide a new "east gateway" to the MU campus and the district at College Avenue.

MU campus-district initiatives

Principal opportunities in the study for MU are: 1) a new MU performing arts center/music school building at Hitt Street and University Avenue 2) an MU museum



Building clusters of regeneration north of the MU campus create a model for town-gown revitalization distinctive to Columbia, making it economically and culturally vital and more attractive as a venue for urban living in a mid-sized campus city. Extending Elm Street to College Avenue also creates a new "east gateway" to the MU campus. *Graphic courtesy of Sasaki Associates.*

complex, possibly housing new quarters for the State Historical Society on Elm Street facing Peace Park; 3) new urban open spaces; and 4) expansion of campus parking garage capacity north of the Power Plant to serve developments.

The study included recommendations for a coordinating body, infrastructure improvements, zoning changes and other measures to foster area development.

Southeast Gateway Planning Study Area

Implementation planning is underway for significant growth in the campus' Southeast Gateway, 31.5 acres bounded by Stadium Boulevard (south), Hospital Drive (north), College Avenue (east), and Monk Drive (west). Four acres of this site capacity derives from a proposed right angle connection of Hospital Drive to an extended Virginia Avenue.

The area's location makes it the primary regional gateway to the campus and UMHC. Open space fronting streets will be improved in a park-like setting befitting the area's role as a campus gateway, and buildings will be sited to be readily visible and accessible to visitors.

Integrating campus and medical facilities

As MU looks to be a leader in interdisciplinary research (and teaching) in life sciences and health-related endeavors, the development of existing and future facilities involving medically related functions will be integrated with other academic, student life and research functions. Extensive public street access to hospital and clinical

functions will be accommodated in a way that maintains campus connectivity and public access.

Facilities supporting applied clinical and preclinical research (the proposed UMHC Surgery Tower and Orthopedic Institute) and translational biomedical research, requiring collaborative efforts in the basic sciences, engineering and clinical medicine to treat human health problems (the Health Sciences and Research & Education Center), are anticipated to be sited north of the "new" Hospital Drive and along Monk Drive.

Near the core academic area north of Rollins Street, land for future campus academic and support facilities will be recovered along College Avenue and Stadium Boulevard. Student residential and recreational life already provides a lively connecting fabric between the core academic campus and the Southeast Gateway area. This relationship has been strengthened by the Student Recreation Complex expansion and Virginia Avenue Housing, and will be further strengthened with the new Mid-Campus Housing that will frame

the pedestrian link between the Arts and Sciences Mall and open spaces planned for the Southeast Gateway area.

Construction of UMHC's Clinical Support and Education Building has begun and, over the next 3-5 years, work will commence on several other key projects currently in planning and design: the infrastructure of area roads and utilities; a 2,000-vehicle parking structure to jointly serve campus and hospital users; the surgery tower and orthopedics clinic; and the Health Sciences Research & Education Center.

Cooperative planning process

The plan, accommodating nearly 2 million square feet of building space, was developed through discussions of the above siting and planning issues with University Hospital, the schools of Medicine, Nursing, Health Professions and other campus representatives. The integrity of existing and proposed campus uses adjacent to the medical areas has been seriously considered in developing boundary limits between land use areas.

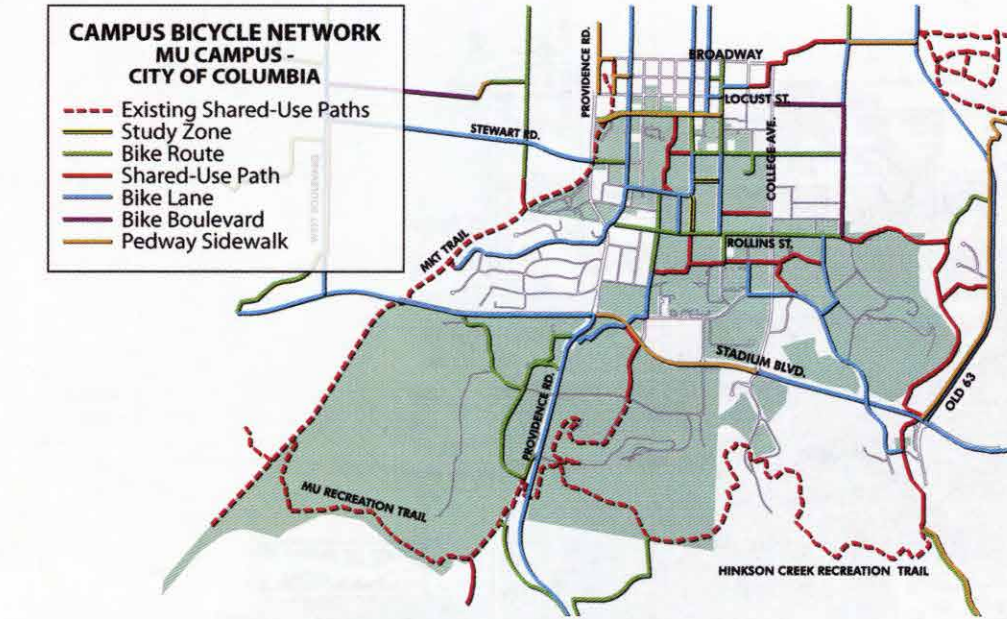
Non-Motorized Transportation Study

MU's campus bike trails and walkways are at the hub of the City of Columbia's "PedNet: Connecting Columbia" project to create a network of bike/pedestrian facilities, including sidewalks, bicycle lanes, and pedestrian and bicycle trails that connect directly with transit stations, schools, businesses, recreation areas, community activity centers and neighborhoods.

Pedestrian and bike-ways have always been integral to MU's open campus system and campus master planning. The university's most recent effort was the establishment in 2000 of the MU Recreation Trail, which connects to the City's Hinkson Creek Recreation Trail south of campus and west to the city's MKT Nature/Fitness Trail, which connects to the KATY Trail State Park.

Federal money fuels study

Columbia received \$22 million from the U.S. Department of Transportation in a nationwide study to determine the "extent to which walking and bicycling can carry a significant part of the transportation load of the selected communities." To be studied, too, is how non-motorized transportation can both decrease vehicle congestion and energy use, while promoting a cleaner environment and better health.



MU is at the hub of the City of Columbia's \$22 million "PedNet: Connecting Columbia" project, financed by the U.S. Department of Transportation, to create a network of bike/pedestrian facilities, including sidewalks, bicycle and pedestrian walkways and lanes that connect directly with transit stations, schools, businesses, recreation areas, community activity centers and neighborhoods.

MU's PedNet plans call for considering the need for more bike racks and covered parking and discussions with the City for the removal of metered parking on streets running through campus. Overall, the focus will be on improving the

campus' existing bikeway and pedestrian walkway infrastructure, creating wholly new infrastructure and promoting the initiative to commuters, students and faculty-staff on campus.

PLANNING PRINCIPLES

REINFORCE THE UNIVERSITY MISSION & VALUES: Organize facilities and places to promote MU's mission and values.

PRIDE OF THE STATE: Express the importance of the campus to the state, nation and world.

DIVERSITY WITH THE UNITY: Create and maintain campus settings that bring together the diversity of people, heritages and culture.

STRONG 'SENSE OF PLACE': Make the campus a distinctively meaningful and memorable place for all members of the University community and for the citizens of Missouri.

RESPECT NATURAL & ARCHITECTURAL HERITAGE: Design facilities to respect the scale, materials and textures embodied in the historic architecture and natural landscape of the campus.

ENVIRONMENTAL SUSTAINABILITY: Embrace suitable strategies in promoting sustainable sites, water efficiency, energy and atmosphere, materials and resources, and indoor environmental quality.

RECRUITMENT-RETENTION: Emphasize the qualities of the campus that help attract and keep students, faculty and staff.

PLANNING & DESIGN INTEGRITY: Provide facilities and grounds that meet the functional needs of the institution and that comply with the intent of the Design Principles to provide an overall aesthetical and pleasing campus experience.

ENHANCE COMMUNITY SPIRIT: Locate campus functions in close proximity to enhance scholarly activities and social interaction within a safe and secure campus.

ALLOW FOR PRUDENT EXPANSION OF CAMPUS FUNCTIONS: Provide for facilities expansion in ways that respect neighbors and effectively utilize limited land resources, while conserving and protecting natural resources.

PEDESTRIAN DOMINANCE: Maintain a pedestrian-dominant campus recognizing and gracefully accommodating the need for bicycles and vehicles.

TRANSPORTATION & VEHICLE CIRCULATION: Maintain a safe, functional and aesthetically compatible system of transportation, vehicle circulation and parking.

RESPOND TO ACCESSIBILITY NEEDS: Continue the tradition of providing optimal access to persons with disabilities.

FACILITIES & GROUNDS STEWARDSHIP: Preserve the quality and utility of existing facilities for sustainable use of established resources.

Additional Information

MU CAMPUS MASTER PLAN ONLINE:
<http://www.cf.missouri.edu/masterplan/index.html>

MU CAMPUS MASTER PLAN

1982 25 Years: Looking Back/Looking Forward 2007



A comprehensive campus plan prepared in 1982 by architect/planner Jack Robinson defined a framework of open spaces, circulation networks and architecture to unify the historic Red Campus and connect it with the White Campus, Health Sciences Center and East Campus. Robinson subsequently established the continuous, participatory planning process resulting in major improvements that distinguish MU today.

Creating a unified sense of place

- **Creation of Lowry Mall:** Closure of Hitt, Ninth and Conley streets to vehicular traffic, the restoration of Lowry Hall, and development of Kuhlman Court plaza connected the Red and White campuses with the Agriculture and Veterinary areas of East Campus.
- **Creation of Carnahan Quad** mirrored Jesse Hall's north-side Francis Quad-rangle, establishing the full sweep of the original campus to the Health Sciences complex beyond Stankowski Field.
- **Erection of seven multi-story parking structures** freed 70 acres from surface parking and greatly eased traffic congestion. The structures are part of 71 major buildings and more than 7 million square feet of space added in 1982-2002 to the campus, which effectively doubled 1982's square-footage.
- **Pedestrian improvements:** Major walkways, closed-campus streets and

the construction of pedestrian bridges over Providence Road and College Avenue firmed up internal physical and visual campus connectivity.

- **Campus pedestrian and bikeway connections** with city and state pathways and facilities are helping to further local, regional and national energy conservation/sustainability efforts (see story, p. 3).

Planning for the next 25 years

Since 1999, campus planner Perry Chapman has sustained the original principles of campus unification, with emphasis on future capacity for development and preservation in all areas of the campus consistent with MU's collegial character and support resources. Campus design principles have been initiated through an architectural review process to ensure that development of the whole campus occurs at a qualitative level comparable to that of the historic central campus area.

Central Campus: Future campus buildings will be accommodated by strategic redevelopment of sites at a scale compatible with the existing architectural and open-space environment. Approximately 1.2 million gross square feet of new building capacity is envisioned.

Southeast Gateway: The campus land along both sides of Hospital Drive east of Monk Drive and south to Stadium Boulevard is planned for major facilities growth for UMHC and future MU campus development needs. The plan for the area anticipates upwards of 2 million gross square feet

for health care, research, teaching, clinical, student life and other campus uses. Landscape improvements along Stadium Boulevard and College Avenue will provide a park-like foreground for this new "urban" gateway to MU (see story, p. 2).

East Campus: Significant potential growth (1.6 to 1.8 million gross square feet) to accommodate teaching, research and support space will be achieved by more consolidated organization of building sites and open spaces on the East Campus plateau. The area connects with the Central Campus via the College Avenue Pedestrian Bridge, the East-West Walkway and the Arts and Science Mall.

South Campus: Development here will likely occur in concentrated clusters associated with existing research and athletics facilities. Additions under way are: the International Institute for Nano and Molecular Medicine, Life Sciences Technology Incubator and the Reactor Addition. Future planning will concentrate on long-range development of athletic, recreation and research park complexes, and the reclamation and preservation of the natural environment of the Hinkson Creek basin.

Campus/Downtown District Opportunities Study: An urban land-use-and-opportunities study for improving the downtown district abutting the campus' north edge is also under study (see story, p. 2).

This year's Campus Master Plan public forum will be from noon to 1 p.m., Tuesday, April 10, in Columns C, Reynolds Alumni Center.



MU Campus Master Plan

Main Campus

Projects Recently Completed

- 1 College Avenue Housing
- 2 National Swine Resource & Research Center
- 3 Poultry Environmental Physics - Animal Resources
- 4 Southwest Campus Housing
- 5 Mizzou Athletic Training Complex
- 6 Alpine Tower relocation
- 7 Tara Apartments acquisition

Mizzou Botanic Garden Projects

- 8 Container Garden at South Jesse Plaza
- 9 Hardy Geranium Garden

Projects in Design or Construction

- 10 Hatch Hall renovation
- 11 Schurz Hall renovation
- 12 East Campus Chiller Plant
- 13 Regional Biocontainment Laboratory
- 14 Donald W. Reynolds Journalism Institute
- 15 Thomas & Nell Lafferre Hall addition/renovation
- 16 Power Plant capacity upgrades
- 17 Schweitzer Hall addition/renovation
- 18 National Plant & Genetics Security Center [USDA facility]
- 19 MU Student Center/Brady Commons expansion
- 20 Mid-Campus Housing
- 21 Clinical Support & Education Building
- 22 Parking Structure #7 - Southeast Gateway
- 23 UMHC Surgery Tower
- 24 UMHC Orthopedic Institute
- 25 Southeast Gateway road improvements
- 26 Stadium Road Substation expansion
- 27 Brain Imaging Center
- 28 Life Science Incubator
- 29 Research Reactor Center addition
- 30 Research Park Chiller Plant
- 31 International Institute for Nano & Molecular Medicine
- 32 Capsule Pipeline Research Lab addition
- 33 Bike lane and bike route marking [Pednet Project]

Mizzou Botanic Garden Project

- 34 Coneflower Garden

Projects in the Planning Stage

- 35 Center for Comparative Medicine
- 36 Animal Resource Center
- 37 Proposed Bike Trail [Pednet Project]
- 38 Veterinary Medicine Guest House
- 39 Spay/Neuter Clinic
- 40 Rollins Street improvements
- 41 Rothwell Plaza
- 42 Arts & Science Mall study
- 43 Performing Arts Center/School of Music/Art/Theater
- 44 Ellis Library addition/renovation
- 45 7th Street pedestrian improvements
- 46 Health Sciences Research & Education Building
- 47 School of Nursing addition
- 48 UMHC Cancer Center
- 49 Museum Support Center addition
- 50 Visitors Center
- 51 Mick Deaver Drive extension
- 52 Dalton Research Center addition
- 53 MURR Receiving Building
- Health Professions (to be sited)
- Child & Family Sciences (to be sited)
- State Historical Society of Missouri (to be sited)

Mizzou Botanic Garden Projects

- 54 Ericaceous Garden
- 55 McAlester Arboretum
- 56 Hosta Collection
- 57 Stephens Pond site improvements
- 58 Plant evaluation site

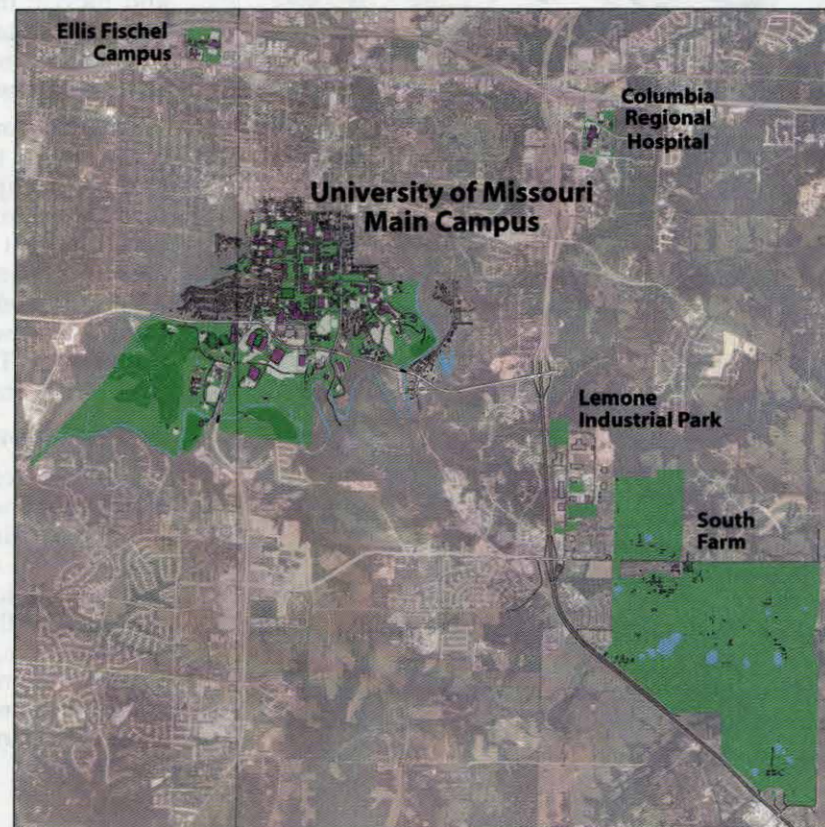
Existing Buildings

- A Jesse Hall
- B Mizzou Arena
- C Ellis Library
- D Memorial Union
- E Bond Life Sciences Center
- F Research Reactor
- G Heinkel Building
- H Agriculture Building
- J Clydesdale Hall
- K Student Recreation Complex
- L Reynolds Alumni Center

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Comments and questions should be sent to the chair of the Campus Planning Committee, 142C Stanley Hall; e-mail address: ToflerR@missouri.edu. Revised edition scheduled for April 2008. For more information, see the MU Campus Master Plan web site at <http://www.ct.missouri.edu/masterplan/index.html>.

Regional Overview



South Farm & Lemone Industrial Park

Projects Recently Completed

- 1 Assessment Resource Center addition

Projects in Design or Construction

- 2 RADIL facility
- 3 Engineering Remote Test Facility addition

Projects in the Planning Stage

- 4 Discovery Ridge

Base Map Legend

- University land, largely pedestrian but including service drives and small parking areas
- Existing university buildings
- Possible future structures
- Parking
- Parking structures
- Major walks*
- Major bikeways*

*Note: Many walkways and bikeways are shown straight for diagrammatic clarity; in actuality many will be curved and shaped to topography, planting and buildings.

