Welcome
Purpose of the Master Plan

1. A living document used as a means of making visionary, yet practical and cost-effective decisions on physical changes to campus.

2. Required by the UM System to allocate and prioritize capital requests.
Chancellor’s Strategic Priorities

1. Recruitment and Retention (Ranking)
2. Research, Innovation and Entrepreneurial Thinking
3. Regional Economic Development
Chancellor’s Enrollment Goal

6,462 Undergraduate
1,634* Graduate
8,096 Total

8,000 (24% growth)
4,000 (145% growth)
12,000 (48% growth)

*Note, in 2019 43% of Graduate Students were extended learning (off-site)
Campus Engagement

- Steering Committee Meetings
- Advisory Committee Workshop
- Focus Groups
- Stakeholder Interviews
- Intercept Interviews
- Online Campus Life Survey
Key Drivers

Program Drivers
- Space Utilization Analysis
- Space Needs Assessment
- Campus Life Survey and Demand Analysis

Physical Drivers
- Facility Condition
- Access, Connectivity and Wayfinding
- Infrastructure
- Site/Topography and Land Use
# Space Needs Assessment

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Inventory (ASF)</td>
<td>1,242,724</td>
</tr>
<tr>
<td>Current Space Need</td>
<td>1,074,877</td>
</tr>
<tr>
<td>Current Surplus (Deficit)</td>
<td>167,847</td>
</tr>
<tr>
<td>Projected Space Need for 12,000 Students</td>
<td>1,342,116</td>
</tr>
<tr>
<td>Projected Surplus (Deficit)</td>
<td>(99,392)</td>
</tr>
<tr>
<td>Space Online in 2020*</td>
<td>~24,755</td>
</tr>
<tr>
<td>Adjusted Surplus (Deficit)</td>
<td>(74,637)</td>
</tr>
</tbody>
</table>

Basis: Data driven process using applied planning assumptions regarding utilization factors, space guidelines and enrollment goals. Space Inventory excludes off-site, leased, residential, and non-assignable space. Housing and Res Life offices not included in above.

*Projects opening F 2020 not included in Current Inventory*
- ACML
- Kummer Design Center Addition
- Comp Sci Classroom Addition
Planning Principles

1. Improve Campus Experience for All
2. Improve Existing Space
3. Improve Campus Connectivity and Safety
4. Create Space for Strategic Partnerships
2020 Campus Master Plan

Major Themes
- Arrival
- Connections
- Partnerships
Connections
Relocated University Drive and Roundabout

Partnership with Move Rolla TDD

• Alignment supports University and Phelps Health vision for direct access from I-44

• Provides safe and convenient corridor

• Promotes economic opportunities

• Visual enhancements to the area while providing a distinct entrance to Rolla community

• Improves pedestrian crossing of US 63 by calming traffic and coordinating crosswalks

• Allows current University Drive to be converted to pedestrian use with a new and expanded tunnel providing convenient access to campus

Pedestrian Bridge
Provides a new and improved University Drive pedestrian bridge connection over I-44 for students that provides adequate width and ADA standards.

Old University Drive
Future pedestrian mall and new tunnel

Old University Dr.

13th St.

12th St.

11th St.

10th St.

63

New University Arrival District
The new entrance will be a more defined and visually appealing entrance point to campus.

Roundabout
The roundabout will improve traffic flow and improve safety for drivers, pedestrians and cyclists.

Move Rolla
TRANSPORTATION DEVELOPMENT DISTRICT
Relocated University Drive and Roundabout

Partnership with Move Rolla TDD

- Alignment supports University and Phelps Health vision for direct access from I-44
- Provides safe and convenient corridor
- Promotes economic opportunities
- Visual enhancements to the area while providing a distinct entrance to Rolla community
- Improves pedestrian crossing of US 63 by calming traffic and coordinating crosswalks
- Allows current University Drive to be converted to pedestrian use with a new and expanded tunnel providing convenient access to campus
Arrival District

Master Plan Building Projects

1. Welcome Center
2. Student Experience Center
3. Future Building (current thinking is Bio X)
4. Rolla Hall Renovation
5. Future Housing and Student Life Facilities
6. Hotel and Conference Center & Parking
7. Childcare Center
8. Small Retail
9. New Electrical Sub Station
10. 63 Pedestrian Underpass
11. University Drive Realignment
12. New Pedestrian Bridge and Landscaping
13. Proposed R&D Park Phase I Building

To Hospital

Future Bio-X R&D Park

63 Pedestrian Underpass
Academic and Pine St. Mixed-Use

Master Plan Building Projects

1. Welcome Center
2. Student Experience Center
3. Future Building
4. Rolla Hall Renovation
5. Curtis Laws Wilson Library Renovation
6. Fulton Hall and Physics Renovation
7. Parker Hall Renovation
8. Physics Renovation
9. Nuclear Building Addition
10. Centennial Hall Renovation
11. IDE Replacement Building
12. Schrenk Hall Ph 3 Reno or Addition
13. Castleman Hall Addition
14. Future Academic Building(s)
15. Future Student Housing
16. Mixed Use Development
17. McNutt Hall Addition
18. Straumanis-James/ERL Addition
19. Emerson Hall Addition
Pine Street Mixed-Use

Potential Ground Floor Uses:
- Retail
- Restaurant
- Commercial Office
- S&T Offices
- Graduate Student Offices
- Health Services
- Housing and Dining Offices

Potential Residential Uses:
- Upper Division
- Graduate
- International
- Married
Master Plan Projects

1. Eight Lane Stretch Pool, (2) Multi Athletic Courts and Rec Cross Training
2. Football Lockers and North Gateway and Plaza new press box, restrooms & elevator, South Plaza
3. New Baseball Stadium
4. New Softball Stadium
5. New Soccer Stadium (Grass)
6. New Field Events Field/Multipurpose (Grass)
7. Intramural & Club Fields (both Turf)
8. Mixed-Use Development
9. Support Facility
10. Heavy Throws Field (Grass)
11. Surface Parking
12. One Mile Walk-Run Path
13. Intramural & Band Practice (Turf)
14. Stormwater Management Zone

Enabling Projects

• Relocate Solar Homes
• Rock Mechanics Building Replacement
• Demo Rock Mechanics/Explosives Building
• Student Health Center Replacement
Precedent – Iowa State University Research Park

- 400 Acres/16 buildings/800,000 SF
- City of Ames’ largest commercial tax contributor
- Iowa’s last four IPOs were ISURP companies
- 2,000 employees, projected to double in 2025
- Average Salary $68,000
- 300 student interns employed at any given time
- In only two years, its Incubator ISU Startup Factory has launched 45 startups, creating 70 jobs and $20M in external funding.
Research and Development Park

Master Plan Projects

1. Systems Integration and Prototype Development Facility
2. R&D Park Future Facilities
3. New General Services Building

Enabling Projects

• General Services Replacement
• Adjacent Land Acquisitions
• Infrastructure Upgrades

Resulting Projects

• Miner Village Replacement Housing
Video
Thank you for your participation!

For more information, visit: http://masterplan.mst.edu