Keeping U Posted

The University of Utah’s Campus Master Plan has been underway since the beginning of the year, led by the efforts of Skidmore, Owings & Merrill LLP (SOM) and the University Facilities Planning Department with the collaboration of campus and community members. SOM, in conjunction with its consultants and members of the University, is developing this Master Plan for the University of Utah with the goal of creating a vibrant campus for students and an inviting atmosphere for the greater community.

As part of the on-going Campus Master Planning process an all-day design charrette was held on August 22, 2007 to engage members of the
Major Consultants

- **Skidmore, Owings & Merrill LLP**
  - Campus Planning and Design

- **Hargreaves Associates**
  - Landscape Architects

- **Fehr & Peers**
  - Transportation Planning

- **Ira Fink & Associates**
  - Space Needs, Demographics & Housing Assessment
The U’s First Master Plan

circa 1880

Utah architect Richard Kletting, who designed the Utah State Capitol Building, was commissioned to create a plan for the campus.
Ten-Year Building Program

- President A. Ray Olpin (1946-1964) oversaw the University’s next major planning phase.
- In 1957 President Olpin embarked on a ten-year building program.
- Student enrollment grew from 4,000 to 12,000, the campus quadrupled in size, and 30 buildings were completed.
40 Years Later

- Expansion of Housing
- Best Location for Housing
- Re-Use of Fort Douglas
- Possibility of Olympics
- Land Use
- Transportation
- Open Space
- Heritage Preserve

1997 LRDP

Long Range Development Plan
Master Plan Vision

- A lively campus; a magnet for student, faculty, staff and public life;
- State of the art facilities to support university’s mission for teaching, research and public life;
- A setting to foster interdisciplinary collaboration and interaction;
- Campus as a destination for the public;
- Functional and sustainable transportation;
- Capitalize on the natural landscape setting;
- Leadership in environmental stewardship.
Process - - Community Input
Community Input: What we’ve heard

• **Theme 1: Consultation Process**
  – Planning process must involve the public.
  – University needs to establish opportunities ongoing consultation & interaction.

• **Theme 2: Campus Growth**
  – Manage campus growth responsibly – limit growth, focus growth.
  – Mitigate growth impacts.
  – Mixed use opportunities in surrounding community.

• **Theme 3: Open Space**
  – Existing open spaces are important, positive elements of the campus.
  – High quality and sustainable open spaces that serve a range of users should be promoted.

• **Theme 4: Transportation**
  – What are the traffic impacts associated with future growth?
  – Promote alternative transportation (TRAX, Campus Shuttle, City Bus).
  – Pedestrian connections are limited or missing – topography is an issue.
  – Bicycle facilities and routes need upgrading.
# Campus Master Plan Process

## Phase 1: Start up
- Data Collection
- Reconnaissance Tours

## Phase 2: Discovery
- Site Selection Studies
- Master Plan Vision
- Background Studies
- Space Needs Assessment
- Transportation & Parking
- Building Assessments

## Phase 3: Planning Concepts
- Guiding Principles
- Land Use Alternatives
- Charrette
- Selection of Preferred Scheme

## Phase 4: Refine Strategy
- Land Use Plan
- Housing Plan
- Open Space Plan
- Student Life Plan
- Transportation Plan
- Physical Model
- Cost Estimate

## Phase 5: Plan Documentation
- Preparation of Master Plan report

## Meetings
- "Kick-off" Meeting
- Presentation of initial observations
- Stakeholder meetings
- Planning Group meeting
- Steering Committee meeting
- Community Workshop 1
- Town Hall Meeting 1
- Planning Group meeting
- Steering Committee meeting
- Community Workshop 2
- Town Hall Meeting 2
- Planning Group meeting
- Steering Committee meeting
- Community Workshop 3
- Town Hall Meeting 3

## Process Highlights:
- President’s Steering Committee
- Planning Group
- Over 140 meetings (SOM)
- 3 Community Forum & Town Hall Meetings
Travel Patterns and Demographics

• Who drives?
• Who uses transit?
• Who can be encouraged to drive less and use transit?

University Population

- Faculty: 2,465
- Staff: 16,585
- Students: 19,867

Source: Ira Fink & Associates, 2007

Mode Split

- Faculty: 82% Automobile, 8% Transit, 10% Other
- Staff: 78% Automobile, 18% Transit, 4% Other
- Students: 55% Automobile, 27% Transit, 18% Other

Students + staff = 94% U of U population

Source: Ira Fink & Associates, 2007
Travel Patterns and Demographics (Students)

- Target groups based on proximity to campus
- Non-auto
- Transit
- Carpool / vanpool

Mode Preference & Trip Length

Source: Ira Fink & Associates, 2007
Traffic Analysis – Recap - PM
Foothill Corridor Study

• Hosted by University of Utah
  – Coinciding intentionally with Campus Master Plan

• Commissioned by:
  – Wasatch Front Regional Council
  – Salt Lake City
  – Utah Department of Transportation
  – Utah Transit Authority
  – University of Utah

• Conducted by DMJM Harris and Wilkingson Ferrari

• Identification of future transportation opportunities

• Public involvement (2007)
  – 2 Workshops
  – 1 Open House
isting Utilities
# Headcount enrollment, fall 2006

<table>
<thead>
<tr>
<th></th>
<th>FT Male</th>
<th>FT Female</th>
<th>Full-Time</th>
<th>Part-Time</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshmen</td>
<td>1,629</td>
<td>1,468</td>
<td>3,097</td>
<td>771</td>
<td>3,868</td>
</tr>
<tr>
<td>Sophomores</td>
<td>1,507</td>
<td>1,219</td>
<td>2,726</td>
<td>884</td>
<td>3,610</td>
</tr>
<tr>
<td>Juniors</td>
<td>1,995</td>
<td>1,531</td>
<td>3,526</td>
<td>1,465</td>
<td>4,991</td>
</tr>
<tr>
<td>Seniors</td>
<td>3,124</td>
<td>2,311</td>
<td>5,435</td>
<td>2,617</td>
<td>8,052</td>
</tr>
<tr>
<td>Second Baccalaureate</td>
<td>96</td>
<td>142</td>
<td>238</td>
<td>490</td>
<td>728</td>
</tr>
<tr>
<td>Total Undergraduate</td>
<td>8,351</td>
<td>6,671</td>
<td>15,022</td>
<td>6,227</td>
<td>21,249</td>
</tr>
<tr>
<td>Total Graduate</td>
<td>2,739</td>
<td>2,105</td>
<td>4,844</td>
<td>1,620</td>
<td>6,464</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>11,090</strong></td>
<td><strong>8,776</strong></td>
<td><strong>19,866</strong></td>
<td><strong>8,753</strong></td>
<td><strong>27,713</strong></td>
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</tbody>
</table>

Non-Matriculated 906
Non-Credit 1,838
**TOTAL** 30,457

Ira Fink and Associates, Inc., University Planning Consultants, Berkeley, California
## Faculty and Staff, Fall 2006

<table>
<thead>
<tr>
<th></th>
<th>Tenure Track Faculty</th>
<th>Other Faculty</th>
<th>Staff</th>
<th>All Faculty &amp; Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Campus</td>
<td>856</td>
<td>332</td>
<td>6,765</td>
<td>7,953</td>
</tr>
<tr>
<td>Health Sciences</td>
<td>455</td>
<td>508</td>
<td>6,854</td>
<td>7,817</td>
</tr>
<tr>
<td>Research Park</td>
<td>99</td>
<td>170</td>
<td>2,965</td>
<td>3,234</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,410</strong></td>
<td><strong>1,010</strong></td>
<td><strong>16,584</strong></td>
<td><strong>19,004</strong></td>
</tr>
</tbody>
</table>

Ira Fink and Associates, Inc., University Planning Consultants, Berkeley, California
# Student Housing Supply & Occupancy

<table>
<thead>
<tr>
<th>Residence Halls</th>
<th>Beds</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>On-Campus Residence Halls</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Capacity (Fall 2006)</td>
<td>1,681</td>
<td></td>
</tr>
<tr>
<td>Fall 2006 Student Occupancy</td>
<td>1,647</td>
<td>98.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Single Student Shared Apts</th>
<th>Beds</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>On-Campus Single Student Shared Apts</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Capacity (Fall 2006)</td>
<td>508</td>
<td></td>
</tr>
<tr>
<td>Fall 2006 Student Occupancy</td>
<td>473</td>
<td>93.1%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Family Apartments</th>
<th>Units</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>On-Campus Family Apartments</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Capacity (Fall 2006)</td>
<td>78</td>
<td></td>
</tr>
<tr>
<td>Fall 2006 Student Occupancy</td>
<td>78</td>
<td>100.0%</td>
</tr>
</tbody>
</table>
# Student Housing Projection: Single Student Beds

<table>
<thead>
<tr>
<th></th>
<th>Actual 2006</th>
<th>Projected 2016</th>
<th>Projected 2025</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Credit Enrollment</td>
<td>28,619</td>
<td>28,876</td>
<td>32,644</td>
</tr>
<tr>
<td>Cumulative Increase/Decrease</td>
<td>+ 257</td>
<td>+ 3,768</td>
<td></td>
</tr>
<tr>
<td>Percent Increase/Decrease</td>
<td>+ 0.9%</td>
<td>+ 13.0%</td>
<td></td>
</tr>
<tr>
<td>Single Student Beds</td>
<td>2,189</td>
<td>3,389</td>
<td>4,589</td>
</tr>
<tr>
<td>Cumulative Increase</td>
<td>1,200</td>
<td>1,200</td>
<td></td>
</tr>
<tr>
<td>Ratio</td>
<td>8.0%</td>
<td>12.0%</td>
<td>14.1%</td>
</tr>
</tbody>
</table>
Sustainability

*Campus Planning & Design*
Sustainability Framework: Integrated Systems

- Roof forms and drainage
- Gray water capture, and dual plumbing in new construction
- Cisterns in existing conditions

- Continuous drainage systems
- Bio swales, micro climates, and habitats
- Drought tolerant landscapes

- Water retention and infiltration
  - good stewardship
  - recharge aquifer
  - landscape features
  - re-use

- Irrigation of active, historic, and symbolic landscapes
The University of Utah is situated at the foothills of the Wasatch Range. This physical setting has an obvious and dramatic influence on the topography of the campus.

The campus generally slopes from the north-east to the south-west at an average gradient of 6.5 percent.
Water Collection Framework
Compact Campus

Establishing a Vibrant Campus Core
Library & Union Quad: Scale Comparison

Stanford University Main Quad

University of Michigan "Diag"

University of California, Berkeley "Glade"

University of Utah "Union Plaza"
Strengthen Core Campus Area

Issues:

- Focus new development within the existing core campus area.
- Campus becomes more compact and pedestrian-friendly due to the close proximity of facilities and services.
- A compact campus can effectively capitalize on existing assets, including utility infrastructure, open space, recreational facilities, and academic, research and support buildings.
Issues:

- Stadium and South Campus TRAX stations are important pedestrian gateways into campus.
- Over 70% of TRAX riders travelling to and from the Campus use the Stadium and South Campus stations.
TRAX Nodes: Under Utilized Areas

Stadium TRAX

South Campus TRAX

Fort Douglas TRAX

Medical Center TRAX
**Strategy:**

1. *Universe Project*: Mixed use, including housing and retail.

2. *South Campus TRAX*: Mixed use including retail, office and classrooms.

3. *South Campus Housing*: Housing and Student Life Center.

Open Space
Open Space Framework: Campus Trees
Open Space Framework: Significant Existing Landscapes
Open Space Framework Diagram
Health Sciences Center
Health Sciences Center

The Health Sciences Campus site is highly constrained. Primary constraints include topography, the natural boundary of the Wasatch Mountains, sensitive foothills environment, and existing student housing located to the south.

The HSC area may expand south and west in order to accommodate new facilities, including clinical, research and academic functions.
Health Sciences: Patient Care Corridor
Health Sciences: Academic Corridor
Open Space Framework
East Campus

West Pavilion

Relocate Garage

Phase 1
East Campus

School of Medicine Replacement

Demolish School of Medicine

Potential acquisition of State facilities

Demolish Medical Towers

Huntsman IIB

College of Pharmacy

Phase 2
Health Sciences Campus

School of Medicine Replacement
Health Sciences Campus

HSC Plaza
Interdisciplinary Connections
Interdisciplinary Connection
Interdisciplinary Quad & Mall

USTAR 1 Interdisciplinary Mall

Ambulatory Complex

Phase 1
Interdisciplinary Quad & Mall

Golf Practice Area

USTAR 4

USTAR 3

Phase 3
Interdisciplinary Quad & Mall

Phase 3

USTAR 1
USTAR 2
USTAR 3
USTAR 4
Ambulatory Complex
Interdisciplinary Mall

THE UNIVERSITY OF UTAH | CAMPUS MASTER PLAN
Interdisciplinary Quad & Mall
Student Life, Recreation & Athletic Facilities
Student Life Case Studies | Benchmarking

UNIVERSITY OF UTAH (FUTURE)
Mountain West Conference
1,380 Acres
25,000 Total Students
7% Live on Campus
Athletics and Recreation
8’ Multiuse Recreation Fields
1 Football Stadium
1 Athletics Arena
1’ Track and Field Complex
1’ Softball Field
1 Baseball Field
1 Gymnasium
20’ Tennis Courts

UNIVERSITY OF COLORADO BOULDER
Mountain West Conference
480 Acres
29,200 Total Students
26% Live on Campus
Athletics and Recreation
10 Multiuse Recreation Fields
1 Football Stadium
2 Basketball Fields
1 Softball Field
1 Track and Field Complex
1 Gymnasiums
4 Tennis Courts

BRIGHAM YOUNG UNIVERSITY
Mountain West Conference
850 Acres
30,560 Total Students
20% Live on Campus
Athletics and Recreation
17 Multiuse Recreation Fields
1 Football Stadium
1 Indoor Stadium
1 Baseball Field
1 Softball Field
1 Track and Field Complex
2 Gymnasiums
14 Tennis Courts

UNIVERSITY OF NEW MEXICO
Mountain West Conference
690 Acres
25,000 Total Students
11% Live on Campus
Athletics and Recreation
14 Multiuse Recreation Fields
1 Football Stadium
2 Baseball Fields
1 Track and Field Complex
2 Gymnasiums
32 Tennis Courts

THE UNIVERSITY OF UTAH | CAMPUS MASTER PLAN
Student Life & Recreation Fields
Student Life & Recreation Fields

Central Plant

Softball Option A

Future Athletics Track site

Future Student Life Center
Student Life & Recreation Fields

Central Plant

Future Athletics Track site

Softball Option B

Future Student Life Center

THE UNIVERSITY OF UTAH | CAMPUS MASTER PLAN
Student Life & Recreation Fields

Central Plant

Athletics Track

Student Life Center

Phase 2
Recreation Fields: Berm Seating
Student Life & Recreation Fields

Central Plant

Athletics Track

Student Life Center
Student Life & Recreation Fields

Phase 3

Alternative: Fields

Intramural Fields
Student Life & Recreation Fields

Central Plant

Alternative: Fields

Intramural Fields

Athletics Track

Student Life Center

Phase 3
Student Life & Recreation Fields
Enhanced Pedestrian Framework

HPER Mall
Enhanced Pedestrian Circulation Framework
HPER Mall Today
HPER Mall: Utility Tunnel
HPER Mall: Vision
HPER Mall: Vision
Campus Housing
Student Apartments / Housing

Phase 2

- Demolish Annex
- College of Health
- Student Apartments
- Student Life Center
- TRAX

THE UNIVERSITY OF UTAH | CAMPUS MASTER PLAN
Student Apartments / Housing

Phase 3
South Campus TRAX
South Campus TRAX
Universe Project
Universe Project

South Campus Drive

Rice Eccles Stadium

TRAX
Science Yard and Law School
Science Yard & Law School Today
Science Yard & Law School

Demolish Building 44

Phase 1
Science Yard

Phase 3

- College of Law
- Infill
- Cell & Genome
- Science Infill
- Student Learning Center
- P
- Chemistry
Science Yard & Law School
Engineering Mall
Engineering Mall
Engineering Mall

Phase 1

- Relocate ROTC to Fort Douglas
- Demolish ROTC & Mines

Sutton Geology & Geophysics
Engineering Mall

Phase 1
Engineering Mall

Phase 3

Demolish Kennecot

THE UNIVERSITY OF UTAH | CAMPUS MASTER PLAN
The Engineering Mall

Phase 3

Realign North Campus Drive

P
Engineering Mall
Research Park
Research Park
Research Park

Phase 1
Research Park

Phase 2

UMNH

Neuropsychiatry

HSC Project

Redevelop East Village at West Village
Research Park

Phase 3

Redevelop West Village

Business Incubator
The University of Utah
The Campus Today
New Campus Social Heart: A Magnet for Student Life