University of New Mexico Master Plan Update

August 11, 2009

“Reality leaves a lot to the imagination.”
John Lennon
• Process
• Master Plan Overview
• Neighborhood Issues
The Task at hand...

Update the 1996 UNM Master Plan

* Create a unified campus...
  • Accommodate growth and change...
  • 10-20 year planning horizon...
  • Capital improvement strategy...
  • Roadmap for implementation...
• Engage the various stakeholders in the Planning process…
  
  Deans/Faculty/Staff
  Administration
  Students
  Neighborhoods
  COA/MRCOG

• Incorporate previous Plans & Studies in developing the MP Update
  
  UNM Transportation Strategic Plan (2009)
  UNM Athletic Master Plan
  HSC/UNMH Master Plan (on-going)
  Parking Alternatives Study (Walker-2007)
  Student Life Master Plan
  IT Infrastructure Master Plan (2004)
Prior Plans

Meem Plan: 1955

Warnecke Plan: 1960
1996 UNM Master Plan

- Anticipated 35,000 students and additional 4.9 million square feet of facility development

- 1996 Plan did not include South Campus

- Plan focused on “bridging” Lomas and wide swath of open space

- Did not anticipate rate of growth on North Campus (UNMH & HSC)

- Overestimated rate of growth on main campus

- Did not anticipate a Rio Rancho Campus nor a Mesa del Sol Campus
Principles to keep:

- Preserve historic buildings
- Design environmentally appropriate landscapes
- Reduce the amount of surface parking and replace it with some structured and remote parking
- Develop strategies to reduce the number of automobile trips.
- Maintain open space structure and pedestrian campus features
UNM at a glance:

2008 Campus enrollment: 25,820

FTE Students: 20,582

Total Employees: UNM/HSC/UNMH 14,289

Student Employees: Main 3,913
HSC 894

Approximately 10.8 million square feet of building space for UNM/HSC/UNMH

13,261 parking spaces

769 acres total: North, Main and South campuses

CNM 12,000 students/1,000 faculty/staff
What’s happening that will impact the UNM MP Update?

- Regional Growth
- Climate Change
- Urban Form
- Sustainability
- Constrained Resources
Population: State of New Mexico

Population: Santa Fe, Bernalillo, Sandoval & Valencia Counties

Data source: BBER
67% of incoming Freshman are from Santa Fe, Bernalillo, Sandoval & Valencia Counties

88% of incoming Freshman are from New Mexico

+215,000 Population increase 1995-2010

+600,000 Projected population increase 2010-2035
Traditionalists pre-1945

Gen - Y 1982 - 2000

Gen - X 1964 - 1982

1996 Plan-Students at the time / now faculty staff

2009 MP Update -Students at the time
The iGeneration
1990-present
The Internet Generation
The Big “I”

Changed access patterns to UNM & UNMH

Frontage roads…
Lomas Access…
<table>
<thead>
<tr>
<th>Street</th>
<th>2000</th>
<th>2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>University</td>
<td>23,100</td>
<td>22,800</td>
</tr>
<tr>
<td>(South of Indian School)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lomas</td>
<td>34,000</td>
<td>30,000</td>
</tr>
<tr>
<td>(W. of Girard)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indian School</td>
<td>22,300</td>
<td>14,100</td>
</tr>
<tr>
<td>(W. of Carlisle)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Girard</td>
<td>9.500</td>
<td>9,000</td>
</tr>
<tr>
<td>(S. of Constitution)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Constitution</td>
<td>5,000</td>
<td>5,100</td>
</tr>
<tr>
<td>(W. Of Carlisle)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: MRCOG
“VMT”

Lane miles of Freeway & Arterial roads

Albuquerque

1984 | 1490 | VMT | 7.27 million | +26%
2005 | 1870 | VMT | 11.9 million | +64%

Annual Cost SOV: $8852

Source: Texas Transportation Institute Urban Mobility Report
Regional Mass Transit...

It’s the rail thing...

Bernalillo/Valencia/Sandoval/Santa Fe

1,000,000

1,634,000 population by 2035
Back to the Future...
No apparent process for public/neighborhood input regarding project/facility development AND the verification of the need for new facilities…

Concern that the University will develop the North Golf Course and the “Barren Fairway”

Concern that development in Landswest will negatively affect Mountain Road

Concern that development in Landswest will create storm drainage problems in Santa Barbara/Martineztown

Concern that parking garages will just create more traffic and cut through traffic in neighborhoods
Concern about traffic and parking in neighborhoods (South Campus during events),

Spruce Park – MLK traffic

Anxiety about pace and scale of commercial development

Want more concrete evidence of sustainability

UNM commitment to alternative transportation

From commercial neighbors: parking supply and competition from UNM on commercial development
Complex Urban In-Fill Development

A city within a city of 50,000 + people…

Traffic Impacts
Parking encroachment into adjacent neighborhoods
Congestion
Noise/Pollution
Development of Vacant Land
Low Density/Historic Neighborhoods adjacent to intense activity centers
Public-Public Partnerships...

UNM cannot solve regional transportation issues alone...

Outreach to MRCOG, DOT and COA

Transit strategies for accessing UNM/UNMH/CNM area...
MRCOG Analysis

Opportunities exist to reduce SOV demand to UNM/UNMH

A system of convenient area circulators

Express Routes-Park & Ride Shuttle Sites

Enhanced bike connectivity

Additional housing on campus and on express routes would reduce SOV travel
What are the goals of UNM that are driving the MP?

A Conceptual Framework

Four Strands of Priority that Connect, Align, & Activate the University’s Mission, Vision, Values, and Strategies

Student Success
- Affordability
- Access
- Graduation Rate
- Retention Rate

Systemic Excellence
- Research
- Undergraduate/Graduate Education
- International Education
- Diversity

Healthy Communities
- Urban/Rural Health
- Education & Training
- Research, Outreach & Intervention
- Health Policy

Economic & Community Development
- Economic Revitalization
- Community Capacity Building
- Sustainability Leadership

Vision
A future in which UNM is known for:
- Strength through Diversity
- Student Success through Collaboration
- Vital Academic Climate
- Excellence through Relevance
- Research for a Better World
- Health and Wellness Leadership
- International Engagement

Cornerstones of Mission
- Teaching
- Research
- Patient Care
- Community Service

Values
- Excellence
- Access with Support to Succeed
- Integrity
- Diversity
- Respectful Relationships
- Freedom
- Sustainability

Strategies to Achieve the Vision
- Connectivity to Purpose
- Intercultural Competency
- Synergistic Partnerships
- Student-Centered Decision Making
- Campus Vitality
- Innovative Research-to-Application Platforms
- Mission- and Vision-aligned Investments

THE UNIVERSITY of NEW MEXICO
UNM has changed…

Spent over $1.8 billion on capital projects… in the past 8 years
Central Campus
Engineering, Architecture, Anthropology
Redondo Housing, SUB Addition/Remodel
Popejoy, Mitchell Hall, Dane Smith

North Campus
Richardson Pavilion, Domenici Hall, Cancer Center, UNMH Renovations and additions

South Campus
Football Stadium Additions, Pit Renovations, Track expansion, Baseball Field Improvements
Student Success Center
What are the drivers of the MP Update?

AAU eligibility as the first minority/majority University in the U.S.

AAUCP Climate Change initiative…

UNM to be carbon neutral by 2030

Transportation…global warming…VMT

Rio Rancho…CNM 2+2…Mesa del Sol

Growth of UNMH and HSC…

In-fill…Densification…modernization

Connectivity…
UNM Rio Rancho
207 Acres

UNM Mesa del Sol
444 Acres

UNM/HSC/UNMH
769 Acres

Accommodating future growth...
Community Input & Involvement…

Questionnaires
  UNM Student Surveys
  Town Hall at the SUB
  Outreach to other Public entities…
MRCOG, COA, DOT
  Dean’s Council
Key Staff
  Athletics, HSC, UNMH,
  UNM Administration
Briefings of Community Leaders
Neighborhood Meetings
Weekly meetings…
Town Hall input…
Quick, easy, secure and safe access to the Campuses by bicycle

Sustainability issues

The importance of on-campus student life and the need for recreation facilities

Location and price of parking

Improved east-west pedestrian connections on Central Campus

Better food service and amenities
What we heard from the Deans...

- General dissatisfaction with facility conditions – lack of space and facility upgrades
- Dean of Fine Arts: lack of consolidated academic space
- Concern about lack of academic and research space on Central Campus
- Concern about lack of support space for current and future growth
- Anderson School: lack of convenient parking and identifiable gateways
- High density archival facility needed for Zimmerman
- Research space on Central Campus…attracting top notch faculty…
- Learning Commons: integrated and collaborative learning spaces

The need for robust technology

In the classroom…

Expectation of technology integrated into classrooms and pedagogy; flexible classroom space with wireless connections, ample outlets
South Campus

Incorporate Athletic Facilities Master Plan

Maintain the quantity of parking for major athletic events

Provide opportunities for Public/Private Partnerships

Student Housing, S&TP and CNM require commercial amenities

Connect central campus with more transit and bike ways
What we heard from HSC...

- Need for the expansion of research related facilities
- Need for a coordinated Master Plan for the development of the North Campus
- The connection to the Main Campus is weak and needs to be improved

What we heard from UNMH...

By 2018 the Hospital needs to provide an additional 400 beds to meet demand for medical services for the State of New Mexico,

Easy access is required by public transportation and potentially the Railrunner

Parking is a serious concern, the need for expanded parking facilities is critical

Provide fast and easy connection to Landswest and UNMH/HSC

There is a need to provide a centralized area for Outpatient Clinics that can easily be accessed by the public
What we heard from the Administration…

Housing is critical to student retention and success…

Buildings get funded; infrastructure is an afterthought…and is usually under funded

UNM needs to provide a campus environment that attracts the best students and faculty…

There needs to be a site selection process for new buildings that is consistent with an approved master plan…

Obsolete and functionally inadequate buildings need to be replaced…

There needs to be surge space that accommodates space needs during re-construction…

We need to maximize the utilization of the space we have…

Parking…Parking…Parking…can we ever provide enough…???
UNIVERSITY OF NEW MEXICO
TRANSPORTATION STRATEGIC PLAN

MAY 2009

Prepared for:
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1 University of New Mexico
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Consensus...

Central Campus

Unique sense of place…and architecture
Quality of open spaces
• Process
• Master Plan Overview
• Neighborhood Issues
Overall goals of the MP Update

Reduce the use of the SOV...partner with other Public entities to enhance bicycle and transit connections...

Increase the capacity of the Health Sciences Center to serve the needs of our growing state...

Integrate sustainability into all aspects of the campus

Maintain unique character and sense of place that is UNM...

Increase UNM’s role as a primary contributor to the economic and physical health of New Mexicans as a top tier University Research Institution
The Challenge…
Evolving from a Commuter Campus to a Sustainable “Urban” Campus…

Applying the 4 D’s of “Travel Behavior” to the UNM MP Update…

• **Density** … as compactness increases… car travel decreases…

• **Diversity** … mixed land use pattern is correlated with increased walking and reduced car travel…

• **Design** … creating/maintaining a quality pedestrian environment

• **Destination** … UNM/UNMH/HSC & CNM is already the largest regional generator of VMT/SOV trips… integrating UNM/CNM transportation planning with RTD…
Strategies...

- 24/7...live...work...learn...play...more student housing (PPP)
- Connectivity...north...south...central...
- In-fill campus development...Central Campus
- Maximize use of existing facilities through efficient scheduling
- Facility replacement and renewal...
- Traffic, transit and transportation...regional approach (UNM/HSC/UNMH/CNM/COA/MRCOG)
- Commercial development for additional revenues...
North Campus
3.58 Million sf
269 Acres

Central Campus
5.1 Million sf
211 Acres
2200 housing units
3800 core parking spaces

South Campus
1.4 Million sf
289 Acres
9500 parking spaces
Modern Streetcar

- U. of Arizona
- U. of Cincinnati
- Ohio State U.
- U. of Buffalo
- Portland State U.

Connecting to Community plans and resources
## Neighborhood Issues

**Victory Hills*Clayton Heights**

<table>
<thead>
<tr>
<th>Issue</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact of large scale sporting events...spill over into neighborhoods</td>
<td>Private/Public Partnership for commercial development</td>
</tr>
<tr>
<td>RV parking in the south lot...</td>
<td>Comprehensive strategy for managing traffic and parking...S&amp;TP, CNM and UNM Athletics</td>
</tr>
<tr>
<td>Concerned about the lack of amenities in the area...</td>
<td>Increase transit reliability...</td>
</tr>
<tr>
<td>Need to keep neighborhoods better informed of UNM plans...</td>
<td>Proposal for a new process for notifying neighborhoods, receiving in-put From neighbors and for providing information...(Chapter 5)</td>
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</table>
**Infill Site A:** 57,200 sf @ 3 stories

**Infill Site B:** 37,800 sf @ 3 stories
Infill Site C: 200,000 sf @ 6 stories
Pedestrian & Open Space Corridors
In 1972 Central campus was self parked…

In-fill campus development pushed parking into neighborhoods…

Neighborhoods implemented “permit parking” to control parking on public streets near the University…

UNM builds remote parking and transit system to move students from south and north campus to central campus…and constructs parking structures to provide more on-campus parking
Parking on Central Campus

Change land use to provide more housing on Central Campus…

Connect to regional transit via routes designed to move faculty/staff/and students from where they live to UNM…

Create “scarcity” of Central Campus parking by capping at 2009 level…

Price Parking appropriately to encourage other means of campus access…transit, bike, car-pool, pedestrian…
Locate Garages on the periphery
### Neighborhood Issues

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<th>Response</th>
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<td>Neighborhoods concerned about increasing traffic impacts on Martin Luther King and Las Lomas west of University...</td>
<td>Proposal for a new process for notifying neighborhoods, receiving input from neighborhoods and for providing information...(Chapter 5)</td>
</tr>
<tr>
<td>Maintaining neighborhood character and quality of life...</td>
<td>Work with DOT and COA to identify Lomas as the UNM main gateway</td>
</tr>
<tr>
<td>Concerned about the scale of development along University...</td>
<td>Change signage on I-25 south and Northbound</td>
</tr>
<tr>
<td>Parking encroachment from UNM into adjacent neighborhoods</td>
<td>Proposal for a new process for notifying neighborhoods, receiving input From neighbors and for providing information...(Chapter 5)</td>
</tr>
<tr>
<td>Concerned about the process for neighborhood involvement in UNM facilities and planning.</td>
<td></td>
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## Neighborhood Issues

### Santa Barbara/Martineztown*

<table>
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<tr>
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<th>Response</th>
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<tbody>
<tr>
<td>Traffic impacts on Mountain Rd.</td>
<td>Proposed reconfiguration of access Into neighborhood west of I-25 to minimize traffic from Lands West through neighborhood</td>
</tr>
<tr>
<td>Heavy truck traffic on Mountain Rd.</td>
<td>Have met with COA to discuss options</td>
</tr>
<tr>
<td>Cut-through traffic on Mountain Rd. to Industrial on Broadway</td>
<td>UNM has agreed to meet with DOT</td>
</tr>
<tr>
<td>Concerned that if Mountain Rd Is opened east of I-25 that MORE traffic will use Mountain Rd.</td>
<td>AMAFCA is currently undertaking a Regional drainage study and will include UNM Lands West to flooding west of I-25</td>
</tr>
<tr>
<td>Drainage</td>
<td>Proposal for a new process for notifying neighborhoods, receiving in-put From neighbors and for providing information…(Chapter 5)</td>
</tr>
</tbody>
</table>
Construct physical barrier to separate thru traffic from left turn traffic.

Add driving lane under bridge by relocating sidewalks to outside of bridge piers.
## Neighborhood Issues

<table>
<thead>
<tr>
<th>Issue</th>
<th>Response</th>
</tr>
</thead>
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<tr>
<td>Preservation of North Golf Course open space</td>
<td>The MP Update preserves North golf Course and Barren Fairways As reserve lands.</td>
</tr>
<tr>
<td>Limit Development on Barren Fairways</td>
<td>Parking is sited to minimize traffic into Neighborhoods</td>
</tr>
<tr>
<td>Restrict cut through traffic into/from neighborhoods</td>
<td>New expansion of hospital to the west give UNMH “breathing” room and focus future expansion towards i-25</td>
</tr>
<tr>
<td>Impact of UNMH on adjacent neighborhoods</td>
<td>Proposes comprehensive pedestrian net work to promote walkability</td>
</tr>
<tr>
<td></td>
<td>Links to regional and local COA transit</td>
</tr>
<tr>
<td></td>
<td>Proposal for a new process for notifying neighborhoods, receiving in-put From neighbors and for providing information... (Chapter 5)</td>
</tr>
</tbody>
</table>
Finding a balance...

Flagship statewide university

Globally significant research and development

Only State of NM Trauma Center

Only State of NM Medical School

Growth and Change

Public/Private Partnerships

Community Asset

Adjacent neighborhoods

Quality of Life

Neighborhood Preservation
- Congestion
- Traffic
- Pollution
- Noise

Neighborhood Stability

Open Space preservation
“Meeting the needs of the present without compromising the ability of future generations to meet their own needs.”

Ecology’s working definition of sustainability at its most basic level.
Providing a balance…
Celebrate what makes New Mexico... New Mexico