Agenda

- Introductions
- Project Goals and Process
- Key Issues
- Guiding Principles and Strategies
- Next Steps
- Discussion
PROJECT GOALS
To Enhance:

- student success through educational innovation
- scholarship and research by investing in faculty and infrastructure
- interdisciplinary scholarship to address grand challenges of society
- organizational excellence by creating a culture of constant improvement
- local and global engagement through strategic partnerships
Create a shared vision that supports:

- Strategic Plan Goals and Academic Mission
- 2014 Physical Master Plan
- Decision-making
- Communication
- Partnership development
- Financial feasibility
- Sustained implementation across all land holdings
Campus Paths and Shared Open Spaces

Each Campus Neighborhood's buildings, location, and orientation is critical to defining the six distinct types of Shared Open Spaces: Campus Greens, Courtyards and Plazas, Campus Streets, All Campus Paths, Campus Edges, and Natural Arteries. These spaces are the focal points of neighborhoods and are nurtured by or created by all projects.

Individual Campus Neighborhoods and their Shared Open spaces are woven together into a coherent whole by a hierarchical system of pedestrian paths, scaled to move people efficiently through campus. All Campus Paths, Connector Paths, and Neighborhood Paths. The All Campus Paths are the campus' most lively pedestrian movement zones and connect all parts of the campus and major Exterior Heaths. Their design includes amenities and landscaping that add to the pedestrian experience. The All Campus Paths will continue to be enhanced as a major design characteristic and an outdoor amenity for the university.

Legend

<table>
<thead>
<tr>
<th>EXISTING</th>
<th>FUTURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Campus Path</td>
<td>All Campus Path</td>
</tr>
<tr>
<td>Connector Path</td>
<td>Connector Path</td>
</tr>
<tr>
<td>Neighborhood Path</td>
<td>Neighborhood Path</td>
</tr>
<tr>
<td>Multipurpose Path</td>
<td>Multipurpose Path</td>
</tr>
<tr>
<td>Shared Open Space</td>
<td>Shared Open Space</td>
</tr>
<tr>
<td>Major Pedestrian</td>
<td>Major Pedestrian</td>
</tr>
<tr>
<td>Entrance</td>
<td>Entrance</td>
</tr>
<tr>
<td>Building</td>
<td>Building</td>
</tr>
<tr>
<td>Property Line</td>
<td>Property Line</td>
</tr>
</tbody>
</table>
Process


Data Gathering

1. Kick-Off & Focus Group Interviews
2. Analysis Summary Initial Themes
3. Draft Principles & Concept Plans
4. Final Principles & Concept Plan

Final Documentation

2017

APR  MAY  JUN  JUL  SEPT
Campus Capacity & Assessment Study

KEY ISSUES
What are the issues and opportunities for the NC State Campus?

GUIDING PRINCIPLES
What are the principles that will address these key issues and inform future development and decision making?

APPLICATION of PRINCIPLES
How can the guiding principles be applied to future decisions and opportunities?
KEY ISSUES
Key Issues

Physical Barriers
- Large campus
- Major Roads and railroad tracks divide areas of campus
- Edges are inactive and lack consistent identity
- Non-contiguous land holdings

Programmatic Barriers
- Large, limited use/inactive land areas
- Four distributed academic cores
- Fragmentation of units
- Sprawling development
Key Issues

Physical Barriers
- Large campus
- Major Roads and railroad tracks divide areas of campus
- Edges are inactive and lack consistent identity
- Non-contiguous land holdings

Programmatic Barriers
- Large, limited use/inactive land areas
- Four distributed academic cores
- Fragmentation of units
- Sprawling development
Key Issues

Physical Barriers
- Large campus
- Major Roads and railroad tracks divide areas of campus
- Edges are inactive and lack consistent identity
- Non-contiguous land holdings

Programmatic Barriers
- Large, limited use/inactive land areas
- Four distributed academic cores
- Fragmentation of units
- Sprawling development
Key Issues

Physical Barriers
• Large campus
• Major Roads and railroad tracks divide areas of campus
• Edges are inactive and lack consistent identity
• Non-contiguous land holdings

Programmatic Barriers
• Large, limited use/inactive land areas
• Four distributed academic cores
• Fragmentation of units
• Sprawling development
Key Issues

Physical Barriers
• Large campus
• Major Roads and railroad tracks divide areas of campus
• Edges are inactive and lack consistent identity
• Non-contiguous land holdings

Programmatic Barriers
• Large, limited use/inactive land areas
• Four distributed academic cores
• Fragmentation of units
• Sprawling development
Key Issues

Physical Barriers
- Large campus
- Major Roads and railroad tracks divide areas of campus
- Edges are inactive and lack consistent identity
- Non-contiguous land holdings

Programmatic Barriers
- Large, limited use/inactive land areas
- Four distributed academic cores
- Fragmentation of units
- Sprawling development

Limited use/inactive land
Non-NCSU land barriers
Internal campus dividers
Major road barriers
Key Issues

Physical Barriers
• Large campus
• Major Roads and railroad tracks divide areas of campus
• Edges are inactive and lack consistent identity
• Non-contiguous land holdings

Programmatic Barriers
• Large, limited use/inactive land areas
• Four distributed academic cores
• Fragmentation of units
• Sprawling development
**Key Issues**

**Physical Barriers**
- Large campus
- Major Roads and railroad tracks divide areas of campus
- Edges are inactive and lack consistent identity
- Non-contiguous land holdings

**Programmatic Barriers**
- Large, limited use/inactive land areas
- Four distributed academic cores
- Fragmentation of units
- Sprawling development

**Guiding Principles**
- Strengthen Identity and Brand
- Enhance Stewardship of Campus Resources
- Re-prioritize Circulation
- Connect the Campus
- Promote Vibrancy
Key Issues

**Physical Barriers**
- Large campus
- Major Roads and railroad tracks divide areas of campus
- Edges are inactive and lack consistent identity
- Non-contiguous land holdings

**Programmatic Barriers**
- Large, limited use/inactive land areas
- Four distributed academic cores
- Fragmentation of units
- Sprawling development

---

Guiding Principles

- **Strengthen Identity and Brand**
- **Enhance Stewardship of Campus Resources**
- **Re-prioritize Circulation**
- **Connect the Campus**
- **Promote Vibrancy**
PRINCIPLES & STRATEGIES
Guiding Principles

- Strengthen Identity and Brand
- Enhance Stewardship of Campus Resources
- Re-prioritize Circulation
- Connect the Campus
- Promote Vibrancy
Strengthen Identity & Brand

GUIDING PRINCIPLE

Strengthen the identity and brand of NC State by leveraging its location in the region, creating welcoming gateways for the surrounding communities, augmenting existing iconic spaces and buildings, and clarifying campus edges and gateways.
Strengthen Identity & Brand

GUIDING PRINCIPLE

Strengthen the identity and brand of NC State by leveraging its location in the region, creating welcoming gateways for the surrounding communities, augmenting existing iconic spaces and buildings, and clarifying campus edges and gateways.

STRATEGIES

1. Create a consistent quality and character for all major gateways
2. Prioritize Western Boulevard gateways and streetscape for improvement
3. Engage Hillsborough Street with active uses and streetscape while creating a more welcoming, porous edge to the campus
4. Identify strategic partners to help enhance neighboring landholdings and streets that are critical to the University’s mission, identity, interface, and connectivity
Strengthen Identity & Brand

GUIDING PRINCIPLE

Strengthen the identity and brand of NC State by leveraging its location in the region, creating welcoming gateways for the surrounding communities, augmenting existing iconic spaces and buildings, and clarifying campus edges and gateways.

STRATEGIES

1. Create a consistent quality and character for all major gateways
2. Prioritize Western Boulevard gateways and streetscape for improvement
3. Engage Hillsborough Street with active uses and streetscape while creating a more welcoming, porous edge to the campus
4. Identify strategic partners to help enhance neighboring landholdings and streets that are critical to the University’s mission, identity, interface, and connectivity
Guiding Principle

Strengthen Identity and Brand

Strategy Example

Engage Hillsborough Street with active uses and streetscape while creating a more welcoming, porous edge to the campus
Guiding Principle

Engage Hillsborough Street with active uses and streetscape while creating a more welcoming, porous edge to the campus

Strategy Example

Existing Section

Possible Future Section
Enhance Stewardship of Campus Resources

GUIDING PRINCIPLE
Enhance campus stewardship by ensuring the highest and best use of land and resources, excellent teaching and research facilities, and quality of and connectivity between, the University’s diverse landscapes.
Enhance Stewardship of Campus Resources

GUIDING PRINCIPLE
Enhance campus stewardship by ensuring the highest and best use of land and resources, excellent teaching and research facilities, and quality of and connectivity between, the University’s diverse landscapes.

STRATEGIES
1. Improve adjacency, utilization, and condition of facilities through strategic renovation, demolition, and new construction
2. Prioritize infill development to densify campus and promote collaboration and innovation
3. Enhance, connect, and create vibrant, iconic landscapes throughout campus
4. Incorporate working landscapes and visible stormwater management systems where appropriate throughout campus to support sustainable initiatives and educate the campus community
5. Capitalize on partnership opportunities to improve campus edges and programmatic connections between campuses and to deliver additional facilities
Enhance Stewardship of Campus Resources

GUIDING PRINCIPLE

Enhance campus stewardship by ensuring the highest and best use of land and resources, excellent teaching and research facilities, and quality of and connectivity between, the University’s diverse landscapes.

STRATEGIES

1. Improve adjacency, utilization, and condition of facilities through strategic renovation, demolition, and new construction

2. Prioritize infill development to densify campus and promote collaboration and innovation

3. Enhance, connect, and create vibrant, iconic landscapes throughout campus

4. Incorporate working landscapes and visible stormwater management systems where appropriate throughout campus to support sustainable initiatives and educate the campus community

5. Capitalize on partnership opportunities to improve campus edges and programmatic connections between campuses and to deliver additional facilities
Enhance Stewardship of Campus Resources

Guiding Principle

Strategy Example
Enhance, connect, and create vibrant, iconic landscapes throughout campus

- Blank facades/loading/service
- Secondary entrances/active facades
- Front doors
- Existing Open Space
Guiding Principle

Enhance Stewardship of Campus Resources

Strategy Example

Enhance, connect, and create vibrant, iconic landscapes throughout campus

Diagram:
- Campus streets
- Blank facades/loading/service
- Secondary entrances/active facades
- Front doors
- Existing Open Space
- Proposed Connections/New Open Space
Re-Prioritize Circulation

GUIDING PRINCIPLE

Create a closer campus community between geographically-dispersed units by re-prioritizing modes of circulation on and around campus to provide a safe, healthy, and active campus supported by consistent and reliable transit. Pedestrians > Bike > Bus > Vehicle
Re-Prioritize Circulation

GUIDING PRINCIPLE
Create a closer campus community between geographically-dispersed units by re-prioritizing modes of circulation on and around campus to provide a safe, healthy, and active campus supported by consistent and reliable transit. Pedestrians > Bike > Bus > Vehicle

STRATEGIES
1. Enhance on-campus pedestrian crossings
2. Eliminate/reduce surface parking in the campus core
3. Keep vehicular access and parking at campus edges
4. Encourage a ‘park once’ mentality by adjusting the parking management system
5. Support alternative means of transportation; improve bikeways and pedestrian pathways
6. Re-envision Cates Avenue and redirect traffic south to remove vehicular congestion in an active pedestrian area
Re-Prioritize Circulation

GUIDING PRINCIPLE
Create a closer campus community between geographically-dispersed units by re-prioritizing modes of circulation on and around campus to provide a safe, healthy, and active campus supported by consistent and reliable transit. Pedestrians > Bike > Bus > Vehicle

STRATEGIES
1. Enhance on-campus pedestrian crossings
2. Eliminate/reduce surface parking in the campus core
3. Keep vehicular access and parking at campus edges
4. Encourage a ‘park once’ mentality by adjusting the parking management system
5. Support alternative means of transportation; improve bikeways and pedestrian pathways
6. Re-envision Cates Avenue and redirect traffic south to remove vehicular congestion in an active pedestrian area
Guiding Principle
- Re-prioritize Circulation

Strategy Example
Re-envision Cates Avenue and redirect traffic south to remove vehicular congestion in an active pedestrian area

Existing Cates Avenue
Guiding Principle

Re-prioritize Circulation

Strategy Example

Re-envision Cates Avenue and redirect traffic south to remove vehicular congestion in an active pedestrian area.
Connect the Campus

GUIDING PRINCIPLE

Advance the culture of collaboration and interdisciplinarity by improving programmatic adjacencies and mobility, and creating strong connections between University landholdings.
Connect the Campus

GUIDING PRINCIPLE

Advance the culture of collaboration and interdisciplinarity by improving programmatic adjacencies and mobility, and creating strong connections between University landholdings.

STRATEGIES

1. Increase programmatic connections by strategically locating interdisciplinary facilities
2. Provide dedicated pedestrian, bike, and bus routes throughout campus
3. Provide direct and fast transit connections between campus precincts
4. Activate campus corridors and public streets to shorten perceived walking distances and to add vibrancy
5. Create a bridge between North and Central Precincts to mitigate topography, reducing travel time and distance
6. Connect Nazareth Street to Morrill Drive and Morrill Drive to Broughton Drive to create a strong pedestrian path from Hillsborough Street to Centennial Campus
7. Enhance Western Boulevard pedestrian connections by adding key bridges, tunnels, or caps (i.e., tunnel top-surface requirements/amenities)
Connect the Campus

GUIDING PRINCIPLE

Advance the culture of collaboration and interdisciplinarity by improving programmatic adjacencies and mobility, and creating strong connections between University landholdings.

STRATEGIES

1. Increase programmatic connections by strategically locating interdisciplinary facilities
2. Provide dedicated pedestrian, bike, and bus routes throughout campus
3. Provide direct and fast transit connections between campus precincts
4. Activate campus corridors and public streets to shorten perceived walking distances and to add vibrancy
5. Create a bridge between North and Central Precincts to mitigate topography, reducing travel time and distance
6. Connect Nazareth Street to Morrill Drive and Morrill Drive to Broughton Drive to create a strong pedestrian path from Hillsborough Street to Centennial Campus
7. Enhance Western Boulevard pedestrian connections by adding key bridges, tunnels, or caps (i.e., tunnel top-surface requirements/amenities)
**Guiding Principles**

**Connect the Campus**

**Strategy Example**

Create a bridge between North and Central Precincts to mitigate topography, reducing travel time and distance.
Promote Vibrancy

GUIDING PRINCIPLE

Promote a vibrant campus by creating spaces for collaboration and gathering, concentrating activity and density, and ensuring a mix of uses in each precinct.
Promote Vibrancy

GUIDING PRINCIPLE

Promote a vibrant campus by creating spaces for collaboration and gathering, concentrating activity and density, and ensuring a mix of uses in each precinct.

STRATEGIES

1. Export the energy of the Central Precinct to other parts of campus by blending uses and creating critical mass at key campus crossroads

2. Develop shared spaces and hubs to inspire community, collaboration, and innovation like Park Shops, Hunt Library, Talley Student Union, Carmichael Recreation Center, and Hillsborough Street

3. Renovate or build new interdisciplinary facilities that bring people together to collaborate, innovate, and address complex problems

4. Improve adjacencies and concentrate activity in strategic locations
Promote Vibrancy

GUIDING PRINCIPLE

Promote a vibrant campus by creating spaces for collaboration and gathering, concentrating activity and density, and ensuring a mix of uses in each precinct.

STRATEGIES

1. Export the energy of the Central Precinct to other parts of campus by blending uses and creating critical mass at key campus crossroads

2. Develop shared spaces and hubs to inspire community, collaboration, and innovation like Park Shops, Hunt Library, Talley Student Union, Carmichael Recreation Center, and Hillsborough Street

3. Renovate or build new interdisciplinary facilities that bring people together to collaborate, innovate, and address complex problems

4. Improve adjacencies and concentrate activity in strategic locations
Guiding Principles

Promote Vibrancy

Develop shared spaces and hubs to inspire community, collaboration, and innovation

Academic Hubs
- Interdisciplinary teaching/research building(s)
- Crossroads of different colleges/departments
- Study/collaboration space
- Food/cafés
- Active open space

Student Life Hubs
- Student Housing
- Dining
- Recreation
- Study/collaboration space
- Active open space

Partnership Hubs
- Corporate partnership buildings
- University teaching/research facility(s)
- Cafés/dining
- Housing
- Recreation, retail
- Active open space
- Study/collaboration space
Guiding Principles

Promote Vibrancy

Academic Hubs
- Interdisciplinary teaching/research building(s)
- Crossroads of different colleges/departments
- Study/collaboration space
- Food/cafeteria
- Active open space

Student Life Hubs
- Student Housing
- Dining
- Recreation
- Study/collaboration space
- Active open space

Partnership Hubs
- Corporate partnership buildings
- University teaching/research facility(s)
- Cafeteria/dining
- Housing
- Recreation, retail
- Active open space
- Study/collaboration space

Strategy Example

Develop shared spaces and hubs to inspire community, collaboration, and innovation
Guiding Principles

- Strengthen Identity and Brand
- Enhance Stewardship of Campus Resources
- Re-prioritize Circulation
- Connect the Campus
- Promote Vibrancy
TESTING THE PRINCIPLES
Long term development of campus should reflect/reinforce the Guiding Principles.

Strategically locating (or relocating) certain land uses can strengthen the overall identity, stewardship, connectivity, and vibrancy of campus.
Long-Term Thinking – Historic Context
1950’s Master Plan recommended moving housing to Central Precinct
## Guiding Principles

<table>
<thead>
<tr>
<th>Guiding Principle</th>
<th>Long-Term Development of Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Strengthen Identity and Brand</strong></td>
<td>Identify strategic partners to help enhance neighboring landholdings and streets that are critical to the University’s mission, identity, interface, and connectivity</td>
</tr>
<tr>
<td><strong>Enhance Stewardship of Campus Resources</strong></td>
<td>Improve adjacency, utilization, and condition of facilities through strategic renovation, demolition, and new construction</td>
</tr>
<tr>
<td> </td>
<td>Prioritize infill development to densify campus and promote collaboration and innovation</td>
</tr>
<tr>
<td><strong>Re-prioritize Circulation</strong></td>
<td>Create a closer campus community between geographically-dispersed units by re-prioritizing modes of circulation on and around campus</td>
</tr>
<tr>
<td><strong>Connect the Campus</strong></td>
<td>Increase programmatic connections by strategically locating interdisciplinary facilities</td>
</tr>
<tr>
<td><strong>Promote Vibrancy</strong></td>
<td>Improve adjacencies and concentrate activity in strategic locations</td>
</tr>
</tbody>
</table>
Guiding Principles

Long-term development of campus should reflect/reinforce the Guiding Principles

Existing Land Use

- Academic/Research
- Athletics
- Univ. Owned Residential
- Non-Univ. Owned Residential
- Student Life + Rec
- Hospital
- On-Campus Partnerships
- Off-Campus Partnerships
- Service/Long-term Growth

Land Use Strategy 1: Several Academic Cores

Land Use Strategy 2: Merging Academic Cores

Land Use Strategy – West of I-440
How can we use the principles to weigh future decisions/opportunities?

Some strategies have a positive correlation with a principle (+), some a neutral correlation (○), and others a negative correlation (−). Future decisions should either positively influence a principle or be neutral to it. They should not be detrimental to or negatively impact an of the principles.

- Strengthen Identity and Brand
- Enhance Stewardship of Campus Resources
- Re-prioritize Circulation
- Connect the Campus
- Promote Vibrancy
Testing the Principles – Example 2

A development partner approaches the university about a redevelopment opportunity at Mission Valley

- Strengthen Identity and Brand
- Enhance Stewardship of Campus Resources
- Re-prioritize Circulation
- Connect the Campus
- Promote Vibrancy
Testing the Principles – Example 2

A development partner approaches the university about a redevelopment opportunity at Mission Valley

- Strengthen Identity and Brand
- Enhance Stewardship of Campus Resources
- Re-prioritize Circulation
- Connect the Campus
- Promote Vibrancy

Positive, Neutral, Detrimental
Testing the Principles – Example 3

A partner wants to redevelop E.S. King into high density student housing

- Strengthen Identity and Brand
- Enhance Stewardship of Campus Resources
- Re-prioritize Circulation
- Connect the Campus
- Promote Vibrancy
Testing the Principles – Example 3

A partner wants to redevelop E.S. King into high density student housing

- Strengthen Identity and Brand
- Enhance Stewardship of Campus Resources
- Re-prioritize Circulation
- Connect the Campus
- Promote Vibrancy

Positive, Neutral, Detrimental
NEXT STEPS
Next Steps:

- Incorporate feedback from workshop
- Develop final deliverable

September

- Administrative Leadership Meeting
- Finalize content and deliverables