The University’s current Campus Master Plan was approved by The University of Texas System Board of Regents in May 2000. The intent at that time was to update the Master Plan every 5 to 7 years, and that is the purpose of this update.

Updating the Campus Master Plan is an exciting, all inclusive process involving many stakeholders on campus and in our community. At the core of any campus master plan is the alignment of the physical development of the campus to the strategic or academic plan. This ensures that specific planning priorities are supported, furthering the mission of the institution. This update certainly accomplishes this very basic goal, but addresses much more as well. To illustrate this fact, consider the following; this update includes an improved traffic and way-finding system designed to make the campus a more welcoming place for our many visitors, a building condition assessment on several of our larger academic buildings for capital renewal planning purposes, a utility infrastructure study to support the continued growth of the campus, the re-development of the campus edge to create a “college town”, as well as to align with the Unified Master Plan for Downtown Arlington, creating a stronger sense of place and an engaged campus-life experience, and finally, space programming activities for certain buildings to address specific / immediate facility needs.

The Campus Master Plan Update includes the following Guiding Principles:

- Reputation and Tradition (Academic Advancement)
- Campus and Community (People Programs)
- Identity and Aesthetics (Physical Elements)
- Spaces and Linkages (Natural Places), and finally,
- Environment and Sustainability (Responsible Implementation)

These principles provide a solid foundation for the physical development of the university. While all of these guiding principles are equally important, I am especially pleased with the focus on creating a more sustainable environment; “greening” the campus to create traditional campus-quads, attractive outdoor places, pedestrian circulation systems, and making better use of campus lands with vertical parking structures and the elimination of many paved surface parking lots.

While this process has been exciting and rewarding, the implementation of the plan once approved by the Board of Regents in May 2007, will create much more excitement on our campus and in our community for many years. I wish to take this opportunity to thank all involved in this process, and to express my deepest thanks and gratitude to the Campus Master Plan Steering Committee, and our consulting team of Carter & Burgess, Inc. (Fort Worth), and Ayers Saint Gross (Washington D.C.).

Sincerely;
James D. Spaniolo
President
In Spring 2005, the University of Texas at Arlington (UT Arlington) retained a team of professionals under the leadership of Carter Burgess, Inc. and Ayers Saint Gross, Inc. to complete the seven-year update of the campus master plan of 1999 by Ford, Powell & Carson.

In addition to being a regulatory requirement of the University of Texas System, the University had a number of reasons for needing an update, the most important being the addition of a significant amount of campus housing. Over the past seven years the number of students residing on campus increased to over 4,500 which has helped to create a more traditionally rich campus environment. Secondarily, UT Arlington expanded the number of parcels controlled within the legislated boundary, including the acquisition of several older apartment buildings which have since been removed and new campus housing constructed. The University also needed a solution to the continuing problem of Cooper Street dividing the main campus, a problem that will only become more evident as the campus grows and continues to build westward. Lastly, redevelopment of the campus edge, focus on constructing much needed research space, and master planning for the utility infrastructure, traffic and wayfinding systems were all identified tasks with this update.

The team included planners, architects, and engineers to focus on the following issues:

- Reviewing the University’s Mission, Strategic Objectives, and Planning Priorities and incorporating the five-factor space projection model (including classroom and lab utilization) established by the Texas Higher Education Coordinating Board to determine needs for future construction.
- Studying methods of enhancing the quality of student life on campus.
- Including current plans and projects such as the Clock and Bell Tower Project along with submissions for Tuition Revenue Bond funding, such as the proposed Engineering Research Building.
- Understanding of the recently completed master plan for Downtown Arlington to determine opportunities for mixed-use development (college town) along the campus edge so the city and campus compliment each other.
- Conducting a parking and traffic analysis to study vehicular and pedestrian flow plus the ideal locations for parking structures to give more space for “greening” the campus.

The new master plan, depicted above, updates the 1999 plan completed by Ford, Powell & Carson to incorporate campus development over the last seven years and to guide future growth.
The University of Texas at Arlington is a comprehensive research, teaching, and public service institution whose mission is the advancement of knowledge and the pursuit of excellence. The University is committed to the promotion of lifelong learning through its academic and continuing education programs and to the formation of good citizenship through its community service learning programs. The diverse student body shares a wide range of cultural values and the University community fosters unity of purpose and cultivates mutual respect.

As a University, we affirm our commitment to the following objectives:

- The University is committed to comprehensive programs of academic research. This research effort requires attracting and retaining scholars who promote a culture of intellectual curiosity, rigorous inquiry, and high academic standards among their fellow faculty and the students they teach.

- The University prepares students for full, productive lives and informed, active citizenship. To that end, we have developed undergraduate and graduate curricula and classroom practices that engage students actively in the learning process. Outside the classroom a wide range of student organizations and activities contribute to the learning environment. Our service learning programs offers students the opportunity to supplement their academic study with internships in a variety of community settings, testing their skills and aptitudes and challenging their values. State-of-the-art teaching technologies, distance education, and off-site instructions afford access to off-campus as well as traditional students. Non-degree certificate and continuing education programs offer practical, aesthetic, and intellectually stimulating opportunities for community learners, for individual courses or a sustained program of study.

- The mission of a university can be achieved only when its students, faculty, staff, and administrators value and promote free expression in an atmosphere of tolerance, responsibility, and trust. The University regards these attributes as prerequisites for any community of learners and vigilantly strives to maintain them.
The University of Texas at Arlington was established as Arlington College in 1895 as a result of the local community wanting to improve education within the city. During the early years of the 20th century, the college grew as a private, lower level and upper middle level school, undergoing four name changes.

As the first state-supported institution of higher education, Grubbs Vocational Institute became an extension of the Texas A&M University System in 1917. Grubbs Vocational Institute was renamed North Texas Agricultural College and then became Arlington State College in 1949.

In 1959, Governor Price Daniel established Arlington State College as a four-year institution and accreditation followed a few years later. In April 1965 Arlington State College became part of the University of Texas System after a reorganization of the Texas A&M University System caused Arlington State School to separate. Then in 1967, the campus became officially known as The University of Texas at Arlington.

During President Nedderman’s term (from 1972-1992), the campus almost doubled enrollment and added a significant number of degree programs. To support this growth the campus enlarged its land holdings, built approximately 20 new buildings, and renovated others.

There have been a great number of changes to the university over the past seven years. New academic buildings have been constructed along with new residence halls and student apartments. Plans are underway for an addition and renovation of the Maverick Activities Center (MAC), an addition to the Engineering Lab Building, and the construction of a new Engineering Research Building.
The project approach attempts to develop a physical plan that effectively embodies the campus community’s mission by integrating five distinct phases of work through on-site workshops. The five phases are:

1. Observations
2. Conceptual Plan & Principles
3. Precinct Studies
4. Final Plan
5. Design Guidelines

This process is not a linear one, with sequential events occurring in an exact order. It can be compared to simultaneously using a telescope and a microscope, which means attempting to think globally in order to act locally, recognizing that the success of the plan is determined by the execution of specific details on the scale of a precinct, building, or walkway.

The UT Arlington Master Plan process involved the five steps above.
IDENTITY & AESTHETICS

Physical Elements
• Create a sense of place and strong University identity throughout the campus by the use of landmarks, gateway buildings, and improved pedestrian bridges.
• Compliment the City of Arlington Downtown Master Plan with a seamless transition between the campus and downtown then establish a link with the future stadium town center at I-30.

REPUTATION & TRADITION

Academic Advancement
• Use the latest technologies to enhance teaching spaces, while ensuring flexibility to accommodate various learning styles, to strengthen the university’s multi-disciplinary comprehensive research core.
• Through the use of civic art, open spaces, and university symbols build a stronger, richer, more traditional college campus to enhance the reputation of the campus in the community, state, and the nation.

CAMPUS & COMMUNITY

People Programs
• Encourage student achievement through an enriching university experience by creating culturally diverse community hubs that integrate housing, open spaces, and academic facilities.
• Engage the broader community as learners, teachers, and partners in the development and growth of the university and downtown Arlington through a welcoming, accessible campus that opens outward.

SPACES & LINKAGES

Natural Places
• Create a campus of outdoor rooms, shaded gardens, and activity hubs, punctuated with water features, which are interconnected by tree-lined pedestrian malls.
• The campus respects and is informed by the natural regional systems in the use of native plant materials, climate responsive outdoor spaces, and good stewardship of water.

ENVIRONMENT & SUSTAINABILITY

Responsible Implementation
• The campus plan should identify the full and responsible capacity for growth within the university’s existing boundary by transforming underutilized parcels into sustainable buildings and open space.
• Encourage walking, biking, and the use of transit throughout the university and downtown by keeping automobiles to the periphery of campus in structured parking accessed by pedestrian-friendly streets.

FIVE GUIDING PRINCIPLES HELPED TO SHAPE THE MASTER PLAN PROCESS BY PRIORITIZING FUTURE CAMPUS GOALS.
EXISTING CAMPUS

Facilities added/modified since the 1999 Master Plan:
1. Clay Gould Baseball Stadium
2. Control Building - Intramural Field
3. Natural History Specimen Museum
4. Library Collection Depository and OIT Office Building
5. Studio Arts Center
6. Arbor Oaks Apartments
7. Meadow Run Apartments (Phase 1 & 2)
8. Alumni Center
9. Chemistry and Physics Building
10. UTA Bookstore
11. Arlington Hall
12. Kalpana Chawla Hall
13. Cont. Ed. / Workforce Development Center

Conditions in 2005 at beginning of Master Plan Update

- Campus Buildings
- Context Buildings

1/4 Mile (1320 feet)
Five minute walk
To determine the optimum sites for development, the team began by studying the maximum potential of the entire campus. The Long Term Vision, or “2060 Plan”, provides an overall direction for growth and allows informed decisions for phased implementation. The basic concepts deal with the transformation of surface parking lots to a higher land use - “grey to green” - and improved pedestrian connections throughout the campus. In summary, the 2060 plan shows that land acquisitions outside the existing boundaries are not required to support campus growth through 2060.

In support of the guiding principles, the following concepts are proposed:

IDENTITY AND AESTHETICS
- Establishing architectural elements at Cooper Street on the north and south edges to create a gateway and signify passage through the campus.
- Improving edge conditions, especially along UTA Boulevard, with a mixed-use college town and a residential edge on Center Street.

REPUTATION AND TRADITION
- Locating a signature building and Bell/Clock Tower to become an icon for the campus.
- Continuing towards a non-commuter campus by increasing the number of residents on campus and improving campus walkability.

CAMPUS AND COMMUNITY
- Redesigning signage and wayfinding for visitors and the greater Arlington community.
- Linking the campus pedestrian network back into the fabric of the Arlington city streets for a seamless connection.

SPACES AND LINKAGES
- Incorporating a variety of open spaces from the casual creek trails to formal quads and plazas.
- Emphasizing the pedestrian network by adding sidewalks to all streets and planting shade trees along pedestrian routes.

ENVIRONMENT AND SUSTAINABILITY
- Celebrating Trading House Creek and the connection to Johnson Creek through a system of regional trails.
- Setting high sustainability standards for new programs and construction (such as LEED certification) throughout campus.
The Final Plan

Renovated/Addition

Proposed Buildings

Existing Buildings

Renovated/Addition

Long Term Vision - 2060 Plan

Buildings
1. Meadow Run Apartments (Phase 3)
2. Maverick Activities Center Addition
3. Engineering Research Building
4. Architecture Annex
5. NanoFab Addition
6. College Town Mixed Use (Phase 1)
7. General Research
8. Engineering Lab Building Addition
9. Icon Building and Plaza
10. Clock/Bell Tower
11. Library Renovation
12. Library Addition
13. University Center Addition
14. College of Business Administration Addition
15. General Academic Building
16. General Classroom Building
17. General Classroom Building
18. Special Events Center
19. Smart Hospital Relocation (Pachl Hall)

Grounds
21. Athletic Walk
22. Fine Arts Plaza
23. Arlington Walk
24. Engineering Quad and Activities Link
25. Bookstore Green and South Oak Street Mews
26. Pedestrian Crossing Bridge

Parking Garages
27. University Center - 1334 spaces
28. Special Events Center - 1242 spaces
The diagrams on these pages show the anticipated use of each of the proposed buildings within the Master Plan. Many of the buildings are based on current needs and projected growth that were uncovered during the master plan process. However, these diagrams are intended to be used for guidance in locating uses. While the master plan is fairly strict in regard to building placement, the uses are flexible to implement a mixed distribution of program across campus.

### Building Use - Year 2020 Plan

#### Academic
- AC01: General Academic Building 51,074 sq ft, New, 153,222
- AC02: COBA Addition/Renovation 35,000 sq ft, Renovation, 35,000
- AC03: General Classroom Building 36,375 sq ft, New, 181,865
- AC04: General Classroom Building 36,375 sq ft, New, 181,865
- AC05: Architecture Program 17,909 sq ft, Renovation, 13,490

Sub Total 561,369

#### Apartment Non UTA
- RA01: 0 sq ft

Sub Total 0

#### Mixed Use
- MX03: Retail Ground / Residential Above 13,163 sq ft, New, 52,652
- MX04: Retail Ground / Residential Above 13,163 sq ft, New, 52,652
- MX05: Retail Ground / Residential Above 19,036 sq ft, New, 76,144

Sub Total 191,249

#### Research
- RC01: Engineering Lab Addition 25,000 sq ft, Addition, 56,000
- RC02: General Research 37,496 sq ft, Addition, 149,394
- RC03: Iron Building 30,000 sq ft, New, 249,210
- RC04: Bell Tower Plaza (Research Underneath) 59,469 sq ft, New, 59,469
- RC05: Engineering Research Building 83,750 sq ft, New, 355,000
- RC06: Nanolab Addition 33,822 sq ft, New, 181,496

Sub Total 561,122

#### Support
- SP01: Special Events Center 208,930 sq ft, New, 208,930
- SP04: University Center Addition 41,743 sq ft, Addition, 41,743
- SP05: Library Renovation 28,720 sq ft, Renovation, 201,040
- SP06: Library Addition 23,096 sq ft, New, 115,480
- SP08: Maverick Activities Center Addition 41,500 sq ft, New, 85,000
- SP11: Baseball Club House (Day Gould Ballpark) 6,000 sq ft, New, 6,000

Sub Total 656,193

#### Parking Garage
- PG01: University Center Garage 116,740 sq ft, New, 465,990
- PG04: Special Events Garage 85,956 sq ft, New, 434,760

Sub Total 511,726

Overall TOTAL (year 2020) 2,211,531

<table>
<thead>
<tr>
<th>BLDG LABEL</th>
<th>BLDG NAME</th>
<th>FOOTPRINT (GSF)</th>
<th>FLOOR</th>
<th>TYPE</th>
<th>AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RS13</td>
<td>Meadow Run Phase 3</td>
<td>8,300</td>
<td>New</td>
<td>24,000</td>
<td></td>
</tr>
<tr>
<td>RS14</td>
<td>Meadow Run Phase 3</td>
<td>8,300</td>
<td>New</td>
<td>24,000</td>
<td></td>
</tr>
<tr>
<td>RS15</td>
<td>Meadow Run Phase 3</td>
<td>8,300</td>
<td>New</td>
<td>24,000</td>
<td></td>
</tr>
</tbody>
</table>

Sub Total 74,709

<table>
<thead>
<tr>
<th>Support</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SP01</td>
<td>Special Events Center</td>
<td>208,930</td>
<td>1 New</td>
<td>208,930</td>
<td></td>
</tr>
<tr>
<td>SP04</td>
<td>University Center Addition</td>
<td>41,743</td>
<td>1 Addition</td>
<td>41,743</td>
<td></td>
</tr>
<tr>
<td>SP05</td>
<td>Library Renovation</td>
<td>28,720</td>
<td>Renovation</td>
<td>201,040</td>
<td></td>
</tr>
<tr>
<td>SP06</td>
<td>Library Addition</td>
<td>23,096</td>
<td>New</td>
<td>115,480</td>
<td></td>
</tr>
<tr>
<td>SP08</td>
<td>Maverick Activities Center Addition</td>
<td>41,500</td>
<td>New</td>
<td>85,000</td>
<td></td>
</tr>
<tr>
<td>SP11</td>
<td>Baseball Club House (Day Gould Ballpark)</td>
<td>6,000</td>
<td>New</td>
<td>6,000</td>
<td></td>
</tr>
</tbody>
</table>

Sub Total 656,193

| Total Residential | 265,948 | 247 |
| Total Academic & Research | 1,489,390 |
| Total Support | 656,193 |
| Overall TOTAL (year 2020) | 2,211,531 | 247 |

<table>
<thead>
<tr>
<th>Parking Garage</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PG01</td>
<td>University Center Garage</td>
<td>116,740</td>
<td>4 New</td>
<td>465,990</td>
<td></td>
</tr>
<tr>
<td>PG04</td>
<td>Special Events Garage</td>
<td>85,956</td>
<td>New</td>
<td>434,760</td>
<td></td>
</tr>
</tbody>
</table>

Sub Total 511,726

Overall TOTAL (year 2020) 2,211,531

Overall TOTAL (year 2020) 2,211,531
The final plan proposes a “University District” at the northern edge of campus. Private developers will be drawn to the market potential provided by exposure on both Cooper and Abram. The campus block north of UTA Boulevard that is removed from the main area of campus (currently occupied by the School of Social Work and surface parking), could be a long-term ground-lease for mixed-use. UTA Boulevard will then become the northern edge of the campus and a new “gateway” from the north will be created.

Key Plan

The vignettes depicted on the following pages present some of the proposals associated with the final plan.

1 Northern Gateway

Possible South Bridge redesign

Possible Engineering Bridge (north bridge redesign)

2 Bridge Redesigns

Possible interim Middle Bridge upgrade prior to icon building and plaza construction

The existing pedestrian bridges over Cooper Street reinforce the campus gateway from the North and South and enhance the image of campus. Improvements to the bridges are proposed to increase the image and visibility of campus from Cooper Street.
**College Town**

The master plan proposes to develop UTA Boulevard between Cooper and Abram to include residential buildings with retail at the street and parking lots or garage structures behind. This type of edge will help promote the development of small “college town” like businesses on the north side of UTA Boulevard.

**Closure of South Oak Street**

A series of landscaped walkways throughout campus, including closure of secondary streets such as South Oak Street, provide a shaded network for the pedestrian.

**Second Street Mall**

While the Thermal Energy Plant (TEP) is vital to the function of the campus, it does not require such a visually prominent location. Some engineering work would be required to keep the underground utilities accessible, but the site in front of the TEP is large enough for a single-loaded residence hall. Adding residences for the Honors College in this important position gives physical emphasis to the university goal of academic excellence.
The national award-winning success of programs within the Continuing Education & Workforce Development Center bring many visitors from the community.

As these programs expand, the demand for additional space can be readily accommodated by another wing added to the existing building. The wings could then form an open quad in place of the existing surface parking lot and provide a more gracious entry for the many visitor and reinforce the University’s emphasis on both community interaction and “grey to green” improvements.
Due to the popularity of student clubs, the need for meeting space, and the number of on-campus events, the E. H. Hereford University Center must be expanded. A second floor expansion to the University Center will provide additional student meeting spaces and provide more activity and light (after hours) to the Second Street Mall.

The proposed academic quadrangle at Kalpana Chawla Hall involves green space defined by two new general academic buildings. This proposal reinforces the terminus to South Nedderman Drive and reinforce the universities emphasis on spaces and linkages which bridge the gap toward a more traditional college open space.
Creating a Southern Gateway to the campus will welcome visitors and serve as a transition from the surrounding community onto campus. An interest is commanded and traffic is slowed as the entrance to campus becomes apparent. The proposed Bell Tower will further reinforce the sense of place.

The initial sign of arrival from the South will be the Visitor’s Center. This building will be architecturally significant in both its mass and detailing. It will demand attention and signify the start of the campus fabric.
Fine Arts Plaza

The eastern end of Greek Row will become a terraced and landscaped Fine Arts Plaza. The new, primarily paved, open space will be a softer visual terminus for students, faculty, and visitors approaching from the west side of campus. A new building on the south edge will define the plaza.

Arlington Walk and Engineering Quad

Arlington Walk will be the spine that ties the campus together, connecting Abram Street in downtown Arlington, through the center of campus, to the Special Events Center at West Mitchell Street. It connects the future college town at UTA Boulevard to the Second Street Mall, to the Library Quad, to Trading House Creek. Along Arlington Walk there should be a newly designed plaza and focal point for the existing Engineering Bent.
To develop a greater understanding of the overriding issues associated with the facilities and operations at the University of Texas at Arlington, the Master Planning team conducted on-site interviews with the Deans and other representatives from each of the campus’ primary departments. During these meetings, discussions focused on any number of themes that each department viewed as critical issues related to their own activities as well as those of the University and the campus as a whole.

Discussion topics varied widely between groups, but the results of these conversations could be broken down into a few basic categories. Each of the groups interviewed were able to provide insights on the inner workings, problems, and concerns related to the character and operation of the campus as a whole.

Virtually all discussions addressing the general improvement or the long-term success of the campus centered on a few key points. The most frequently addressed concern related to the campus as a whole called for an “upgrade” to its overall image. This simple theme alone touched on many other recurring concerns including how to appropriately accommodate security, parking, and infrastructural support in a bifurcated, urban campus. At the heart of all campus discussions is an improved definition of campus boundaries with a desire for more core public / green spaces within the campus that are developed with traditional, higher education character.

Another recurring theme dealt with improving both the physical security and the impression of security throughout the campus. This idea also ties into several other concepts such as delineating campus boundaries and improving parking sites and facilities. Of course, interest in improving general parking conditions on the campus was addressed by all groups. The underlying notion here being that in addition to current parking conditions being inefficient in their general layout, they currently act as an unattractive façade greeting visitors to the campus.

At the highest level, there was one concern that seemed to lie at the heart of all campus discussions. It has been a long-standing desire of the University to improve the physical link and the nature of the relationship between the two halves of what is essentially a two-part campus, split down the middle by Cooper Street.
As part of a proactive move toward systematically analyzing their facilities portfolio, the University of Texas at Arlington contracted Carter & Burgess, Inc. to conduct an objective facility condition assessment of sixteen of their facilities. The goal of the inspections was to establish a baseline of current facility conditions and develop a 10-year maintenance and repair plan without the influence of budgetary or operational constraints.

The project included the facility condition assessment of 16 buildings and associated site structures totaling 1,936,871 gross square feet, with a total current replacement value of $295,492,157. The purpose of the inspection was to identify and estimate the component renewal, cyclic maintenance (carpet and paint), deferred maintenance, investigative, and safety requirements for the next ten years. This effort focused on the identification of needs that may not typically be identified through the course of normal operation and routine maintenance efforts.

The condition assessment of UT Arlington illustrates a graduated gap in facility age. Of the 16 buildings assessed, most have systems or components that are approaching or have already reached the end of their useful lives. The overall Facility Condition Index (FCI) indicates that the buildings assessed are in fair condition and have been maintained well. The amount of cyclic maintenance and component renewal requirements indicate the building systems that will require future maintenance and replacement. Some buildings, especially older ones, may need redesign and replacement. The primary structural systems, site structural systems, and secondary structural systems, including flooring and interior walls, may need repair and replacement. The University has implemented a detailed roof replacement program. The roof replacements identified in UT Arlington’s roof replacement program were evaluated and included within the report. Service systems, including HVAC and electrical systems, also indicate the need for repair or replacement.
As a part of the Master Plan process, a signage and wayfinding consultant was engaged to both evaluate the existing campus system and to provide recommendations as part of the final plan.

While this plan embraces the spirit and brand of UT Arlington, its purpose is to help create a positive experience for first time visitors, students and faculty. This plan provides a solid basis for the development of the signage program by introducing the individual sign type designations required for vehicular and pedestrian elements and their general locations under current conditions. Other purposes for the plan are to introduce the wayfinding methodology for future implementation, recommend the use of consistent materials and messaging, and emphasize the future awareness of maintenance and changeability issues.

The signage and wayfinding plan provides a road map that combines the long range planning and present day needs. This plan has been prepared as a spring board for the development and implementation of the environmental graphics and wayfinding program.

In order to produce a complete wayfinding plan, approach objectives were used to establish cohesive signage throughout UT Arlington. They include:

- Identify the destinations
- Orient the visitors to the environment
- Route the visitors properly through the use of a hierarchy of information and sign types at appropriate locations
- Periodically reconfirm the visitor’s route
- Celebrate their arrival

Signage and wayfinding improvements will help to create a positive experience for first time visitors, students and faculty.
Existing conditions of transportation on the UT Arlington campus were assessed and include traffic circulation and access, parking, transit, and pedestrian facilities. Regional transportation issues were also considered.

Parking demands will increase with future growth in student enrollment and development of new and expanded campus facilities by the year 2020. Except for one existing parking garage, UT Arlington currently relies entirely upon surface parking lots to accommodate campus parking needs. Construction of new multilevel parking structures is recommended to meet campus parking demands by the year 2020. The proposed parking structures have a combined capacity of approximately 2,900 parking spaces.

The Campus Shuttle System will become even more important in the future as existing surface parking lots are displaced by development of new buildings and other campus facilities. Students and employees will become increasingly dependent on the shuttle system for transportation between available parking and their on-campus destinations.

Future development of bikeways on the UT Arlington campus will complement the enhancement of pedestrian facilities and amenities. Campus streets should be improved and reconfigured to incorporate designated bike lanes and bikeways serving all areas of the campus.

Improved pedestrian facilities are recommended at locations throughout the campus. Sidewalks and crosswalks should be widened and protected with pavement marking and signals to provide appropriate safety and mobility. Proposed expansion of the pedestrian only area of the campus is included in the master plan.

Future development of the UT Arlington campus will impact roadways, access and circulation, parking, transit, and pedestrian mobility. Several streets within the campus are recommended for closure to public vehicular traffic. Closure of university owned and controlled streets may be implemented at the discretion of the University.
A complete analysis of the existing campus utility infrastructure was made as part of the master plan process in conjunction with the projected growth depicted in the 2020 plan. The following is a summary of the improvements recommended for each.

**Chilled Water System**
It is recommended that additional chilled water production capacity of at least 5,000 tons be added to the campus infrastructure by the year 2015.

**Electrical Distribution System**
A new feeder to serve the new Activities chiller plant, the existing Maverick Activities Center (MAC) plus the MAC additions will be required.

**Steam System**
Steam tunnel piping improvements are recommended to ensure the campus distribution system has adequate capacity to serve the building heating and process equipment loads.

**Piping Distribution**
Upgrades to a portion of the campus steam distribution piping are recommended to ensure the system has capacity to support future campus growth.

**Potable Water System**
New 12-inch mains should be constructed on the south side of campus and on the east side of campus and all 4-inch and 6-inch diameter lines should be replaced with 8-inch diameter or larger lines.

**Sanitary Sewer System**
A new line, or a parallel line should be constructed north of Greek Row Drive. All 6-inch diameter lines should be replaced with 8-inch diameter or larger lines for capacity improvement and to facilitate ease of maintenance.

**Storm Water System**
Proposed developments may require realignment of the existing storm water lines. Studies should also be conducted to insure adequate drainage capacity is available for each proposed development.

**IT Infrastructure System**
Existing MDF Rooms will need to be expanded to and duct banks consisting of a minimum of two 4” conduits should be replaced in all future installations outside the tunnel system. The campus should prepare for a robust network infrastructure with a 10Gigabit Ethernet backbone.
Landscape guidelines are provided to insure the consistency and success of the overall campus landscape. The goal is to achieve a comprehensive campus landscape fabric that is practical and cost-effective to maintain. It is proposed that new and future landscape design recognize the existing features of the campus and build from, rather than work against, them. The overall principal of the campus over the next 20 years will be to turn grey to green in order to mitigate the amount of impervious cover. It will also include the enhancement of Trading House creek, thus rediscovering a natural amenity.

Plants selected for use on campus should be native to the bioregion, long lived, relatively pest free, and practical to maintain.

The design of campus plantings should be simple and seek to evoke a mood of tranquility and higher education. This approach will result in a campus landscape that is regionally appropriate, sensitive to water conservation, and practical to maintain.

Evaluate and protect existing Post Oak, Live Oak and Red Oak trees. This includes mitigation of root disturbance and root compaction within the areas surrounding existing trees. The drip-line surrounding the trees should be protected through low plantings or decorative edging/fencing.

Establish new tree plantings along all major walkways and major campus streetscapes. The uniform presence of street trees will be a significant means for reinforcing a unified campus image and for continuing to distinguish the campus as an identifiable district within the greater Arlington Area.

Locate and organize new buildings and tree plantings to define outdoor living spaces and quads. Optimize the scale and texture of plantings to define spaces and reinforce the edges of the built environment. Use the landscape to define the shape, size, and sequence of outdoor spaces in conjunction with the buildings and streetscapes.
The UT Arlington Design Guidelines are intended to aid in the design, development, and character of the campus. These guidelines will be incorporated into the University construction standards. Over the past decades several large and poorly articulated buildings have been built on the campus. These guidelines attempt to facilitate quality and consistency.

Twelve developable sites are identified in the master plan. The plan diagrams predominantly address the morphology of future buildings to be built on the campus rather than architectural character. The overall massing of the structure plays a critical role in the definition of outdoor rooms and public spaces within the campus. Additionally, the building disposition, or where the building is positioned on the site, helps define the edge of the public spaces.

The guidelines also suggest primary and secondary entries into the buildings as well as service zones. The overall emphasis is on the creation of a pedestrian friendly environment. Service vehicles and loading docks should be located in a manner so that they have minimum negative impact on the aesthetic quality of the environment.

The height of proposed new buildings should be contextually sensitive to existing adjacent structures to maintain the human scale of the campus. Buildings over five stories should be avoided.

A schematic diagram identifying utilities is provided to assure awareness of potential constraints and opportunities as they may relate to each site.

All sites on the campus are part of an interwoven network of pedestrian pathways, bicycle trails, bus routes, and vehicular access thoroughfares. Every new building must interact and respond to this pedestrian and vehicular network.
While UT Arlington does not have a single, strong, coherent architectural vocabulary, it does have historic buildings, such as Ransom Hall, that have great symbolic value. The design of new buildings within the campus is an act that needs to be carefully considered. In order for new buildings to be integrated into the existing fabric, care must be taken to understand what has already been built, and how any new development impacts the overall campus environment.

With the creation of new buildings comes the opportunity to be critical and offer ways to improve upon precedent. The creation of new places and spaces on the campus should be an occasion to re-affirm what it means to be on the UT Arlington campus.

This master plan aspires to provoke a discourse about what it means to design buildings in a particular place. The various guidelines in the master plan are conceived as part of a precedent study and as part of a typological study - both essential to the process of designing buildings.

The character of the architecture on a campus reinforces the idea of pedestrian scale. Carefully articulated architectural elements help to define and beautify buildings and in turn enliven the public realm.

UT Arlington is committed to building a campus of architectural, engineering, and environmental excellence. It will follow nationally recognized sustainability principles and practices.
The Design Guidelines included in the master plan will influence the direction of future construction at UT Arlington. These guidelines give detailed instructions for architectural details such as site and materials, building and roof forms, façade articulation, fenestrations and encroachments, structured parking garages, open spaces, site furnishings, and landscaping. The following is a summary of each.

**SITE AND MATERIALS**

- Buildings façades should align with one another to form a continuous edge when facing open spaces, pedestrian corridors, and streets.

  **site and Materials**

- All new buildings and/or additions shall be sited on an east–west orientation to control solar gain and the associated energy consumption.

- When internal or off-campus views are a primary consideration, all new buildings and additions shall be sited to maximize and/or frame such views and respond to their adjacent conditions.

- To create formal and intimate exterior gathering spaces, all new buildings shall be sited relative to adjacent building entrances, axial relationships, pedestrian and vehicular circulation, and other site features.

- All roof and ground mounted equipment such as gas meters, transformers, generators and other electrical gear, air handling equipment, and wall mounted control panels/devices shall be architecturally screened from public view.

**BUILDING AND ROOF FORMS**

- Building geometry and composition shall reflect the activities or intended use of the building, with an emphasis on human scale and comfort.

- While flat roofs are typical for the existing academic buildings, both sloped and flat roofs will be considered on future buildings depending on specific use and adjacency conditions.

- All residential buildings shall have sloped roofs with standing seam metal roof panels or composite roof shingles/tiles. Regardless of the roof type or configuration, all mechanical units and other equipment shall be concealed from view at ground level.
Façade Articulation

- Façades that address an open space, pedestrian corridors, or streets, should not have blank, unarticulated wall surfaces.
- Means of entry shall be clearly visible and free from blockage by secondary structure.
- Façades should express and be responsive to their solar orientation, through the appropriate use of glass, shading devices, recessed openings, and the successful application of day lighting to bring indirect light well into the interiors of all future buildings.

Exterior materials of new buildings should coordinate with the color and texture palettes of recent construction.

Brick articulation is encouraged as a way to create visual interest and hierarchy. Door and window lintels, sills, and floor coursing should be articulated.

The façade should clearly express the distinction between the ground level and the upper floors of a building to create a clear base.

Buildings shall be articulated to break down the scale into a tri-partite vertical organization (base, middle, and top).

Maximum height shall be five stories, except for figural elements or architectural embellishments, such as a tower.

Arrival to buildings should occur through a sequence of spaces which includes covered walkways, porches, vestibules, and lobbies.

To avoid a monolithic appearance, façades shall be vertically articulated with bays no larger than 25 feet in width.
Fenestrations and Encroachments

Covered walkways should be included in all new building designs to provide shelter from the elements, to give definition to outdoor spaces, and provide connectivity and sense of continuity to other buildings and destinations on campus.

On the ground level, when a façade faces an open space, pedestrian corridor, or street, the minimum percentage of surface that is glazed shall be 60%. No reflective or tinted glass is permitted.

Structured Parking Garages

The visual impact of parking should be minimized.

- Ten specific building type guidelines have been drafted to address parking garage architecture. Details of these guidelines are included in this master plan document.
New and future landscape designs recognize existing features of the campus and should build from rather than work against them.

Over the next 20 years, the overall landscape goal will be to turn grey to green to mitigate the amount of impervious cover.

By improving the existing spaces and creating new linkages, the landscape across campus becomes a unifying network. These guidelines detail seven different types of open space that should be maintained across the UT Arlington campus including athletic fields, interstitial areas, plazas, frontage areas, lawns, gardens, and natural parks.

Locate and organize new buildings and tree plantings to define outdoor living spaces and quads.

Site furnishings guidelines are given to establish consistency with campus-wide bike racks, trash receptacles, recycling receptacles, pedestrian and vehicular lights, landscape walls, finishes, tables and chairs and benches.