BRIDGING THE GAP

Safety and Connection among students, faculty, and staff should be the top priority on a college campus. Although The University of Texas at Arlington prides itself on diverse campus culture, the physical division of Cooper Street, with only three spaced-out bridges, presents a conflict. An ever-expanding campus that grows over time with only small parcels considered and limited budget sacrifices cohesion solutions. Cooper Street dictates these solutions, not the community. It is time to return our Campus to the students, faculty, and staff and demonstrate The University of Texas at Arlington’s united community.

HISTORY OF UTA & ARLINGTON

In 1895, Arlington settled as a route along the Texas and Pacific Railway. Once known for its cotton ginning and agricultural products, Arlington is primarily an industrial and commercial center with automotive and aerospace industries that developed after 1950. Now, Arlington is also known for its sports centers and entertainment industry. As the largest university in North Texas and the second largest in The University of Texas System, UTA is located in the heart of Dallas-Fort Worth. In the past 50 years, the University of Texas in Arlington has increased its population five times since 1967.

UTA is ranked fifth in the nation for campus ethnic diversity, reflecting its long-standing status as home to one of Texas’s most diverse undergraduate student populations. Federally designated as both a Hispanic- and an Asian American, Native American, and Pacific Islander Serving Institution, UTA is a leader in inclusive and equitable programming to support students from diverse backgrounds.

CAMPUS CULTURE

University of Texas in Arlington embodies a diverse student body, with a Hispanic student body near equal numbers to the white student body. In addition, UTA holds almost 50 percent international students and 60 percent commuter students from all walks of life.

Arlington, Texas, is no longer a Texas suburb but has grown into a major U.S. city. Arlington is ranked number 50 for most populated cities in the United States and has a current population of 300,788 people. Dallas, Fort Worth, and Arlington, Texas (301,822) are similar in size to Arlington, Texas.

OPPORTUNITIES

01 Chance to unite West and East campus to feel like one united campus.
02 Expand community space for students, faculty, and staff, as well as the Arlington residence.
03 Safety routes for pedestrians and bikers away from Cooper Street.
04 Increase safety and decrease noise pollution, contributing to better health for the community.

CONSTRAINTS

05 Cooper is a main arterial road from North to South, and temporary construction will affect traffic. Any solution will be substantial financial and maintenance cost.
06 Ensuring students, faculty, and staff, non-campus pedestrians, and bikers during construction.
07 Existing trees on the West and East of Cooper Street need protection during construction.
08

THE SITE

This highway, marking as a 30 MPH suburban road, is a major arterial for Arlington. This North-to-South route cuts right through the heart of the University of Texas in Arlington, dividing East and West Campus, the science from the arts, reducing safety, and increasing noise pollution.

Although the West-to-East circulation routes need to be rectified, some conditions must be preserved. The beautiful 50-year-old trees need protection and preservation. In addition, the visual view across campus from West to East must be maintained. It is crucial not to create a visual barrier while trying to fix a physical barrier.

CONTACT & APPROACH

This visualization illustrates the percentage of degree-majors recipients from bachelor’s degree programs at The University of Texas at Arlington according to their major in 2020.

01 Tearing potential to reconnect Main Library to Texas Hall.
02 All-year-old trees that need to be preserved from construction.
03 Traffic on Cooper Street needs to be reimagined pedestrian and biking visualization.
04 Drawing: Adam Crico

CURRENT BIKING & PEDESTRIAN CIRCULATION
PHASE 1  2.5 MILLION  1YR

01
Update North and South Bridge materials with sustainable materials planned for future phases.

02
Lightweight CNC and Vinyl branding for all elevators and replace lighting on bridge walkway.

03
Identify and cultivate green pockets for future development.

04
Student and Arlington community collaborate on mural design and execution on retaining walls.

05
Signage advertising for other phases of the project - learners choosing future development.

06
Events to raise money for future development with the city and university engagement.

GREEN SPACE PLAN

Murals in collaboration with professionals who can enhance their knowledge.

The basic raw materials for Vinyl are natural gas, benzene and air. Vinyl is 100 percent recyclable, so natural resources can be further conserved by recycling Vinyl signs.

Mural design at UC Davis, California about diversity and inclusion.

Mural under Deck reference.

Mural under Deck reference.

Mural under Deck reference.

Solar pergola on elevator outside ceiling and shade structure. Bridge ceiling, self-supported.

01
Windows

02
Windows

03
Windows

04
Windows

05
Windows

06
Windows
Construction of pedestrian and bike routes with temporary center lane closure (1st West, 2nd East)

Eliminate sidewalks on Cooper Street level, and use 10" in center for Deck Foundation.

Overall north to south

Prefabricated deck systems are a commonly used applications of modular bridge technology.

3rd street and 3rd street tunnel in Los Angeles, California

View to north

Land bridge project could transform University of Memphis area — 32 Million./Hau/Up Studio

View to south

Rutgers University bridge would connect campuses as park suspended over Raritan River.

View to east
PHASE 3
10 MILLION
3 YRS

全力支持大学建设，完善设施，满足学生需求。

01. 人行道与公交车站。方便学生出行。

02. 设计一个通风良好的屋顶，确保自然光的进入。

03. 停车场与校园环境的融合。

04. 设计一个宽敞的公共空间，适合学生和社会活动。

05. 设计一个低能耗的能源系统，长期使用。

06. 设计一个高效的废水处理系统，保护环境。

07. 设计一个绿色的屋顶，提供低成本的能源。

08. 设计一个节能的照明系统，提高安全性。

09. 设计一个高效的能源利用系统，减少浪费。

10. 设计一个高效的雨水管理系统，保护环境。

11. 设计一个高效的能源利用系统，减少浪费。

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