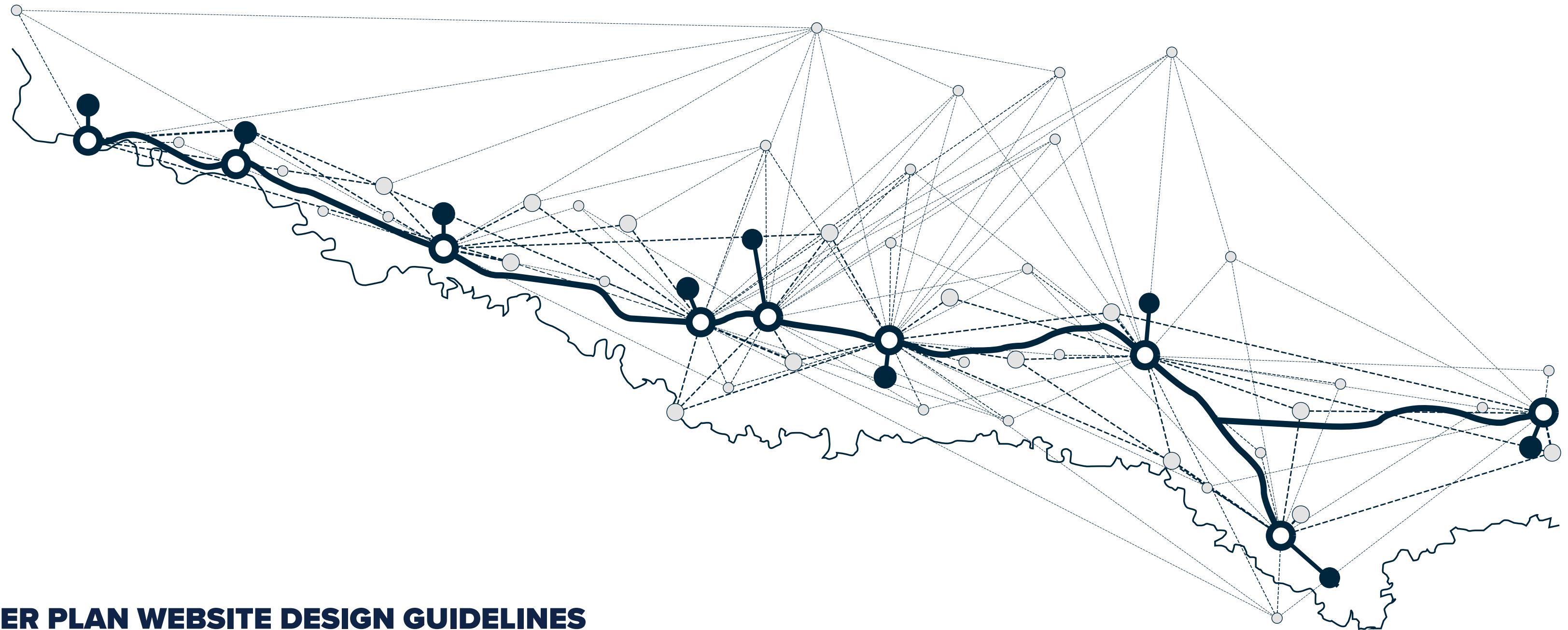




**GET CONNECTED.**



**MASTER PLAN WEBSITE DESIGN GUIDELINES**

CannonDesign Overland Partners ARUP

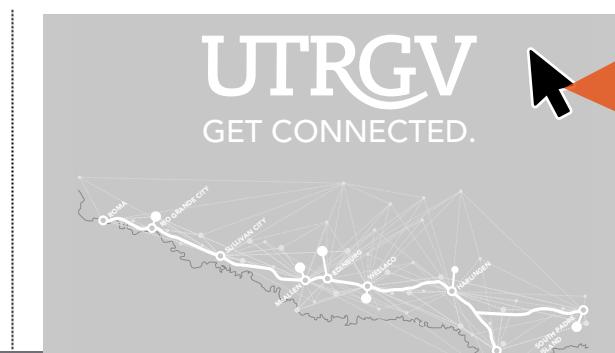
July 25, 2017



## NEWS



**TOGETHER  
WE WILL**  
Strategic Planning Process



Master Plan website  
is accessed from main  
UTRGV site, exact  
location of link to be  
determined.

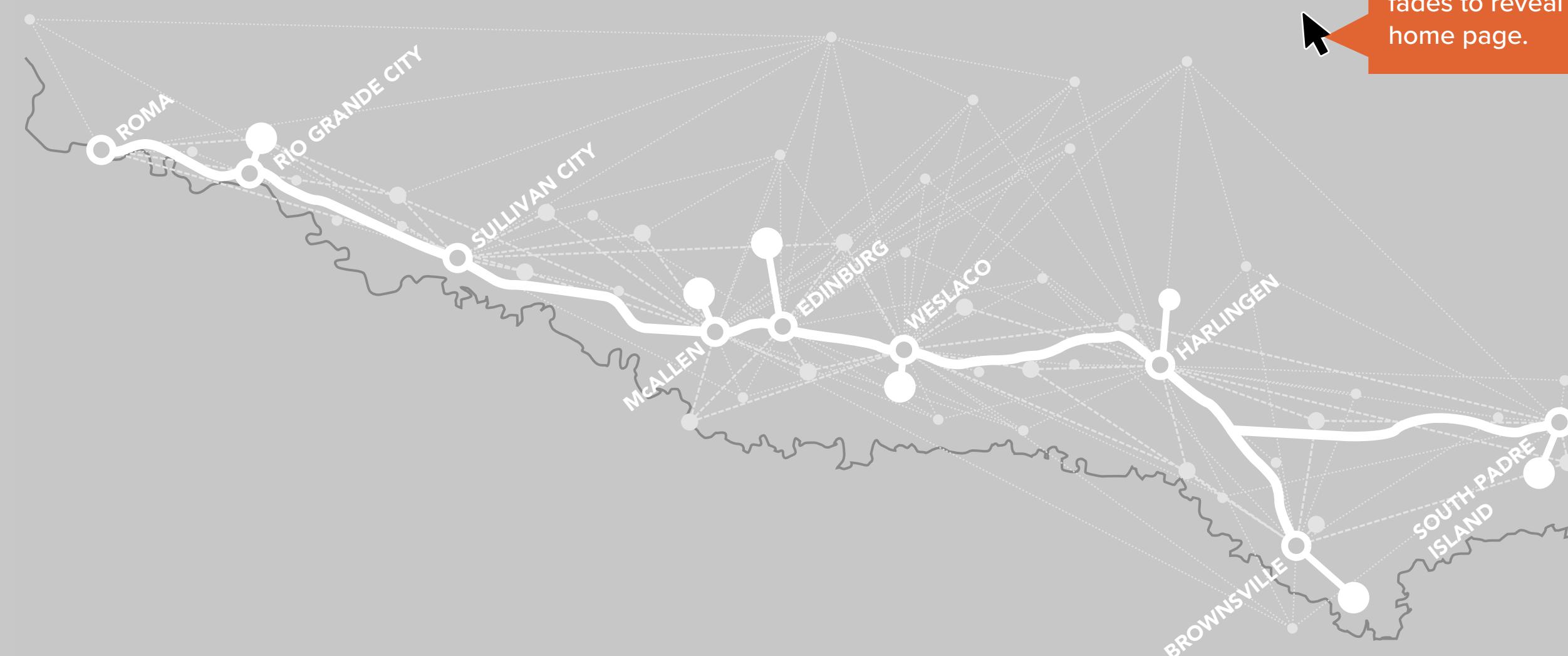
GIVE

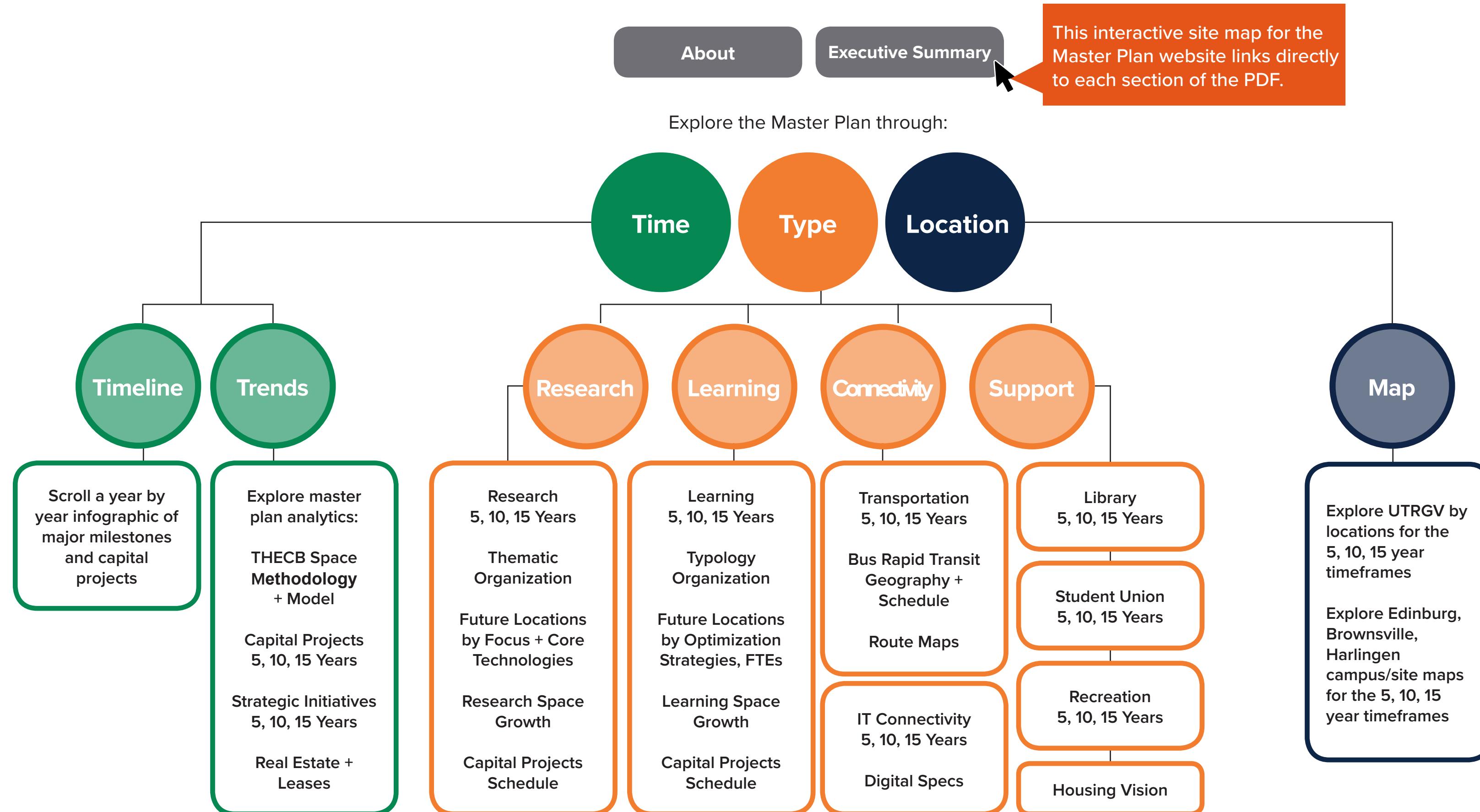
 

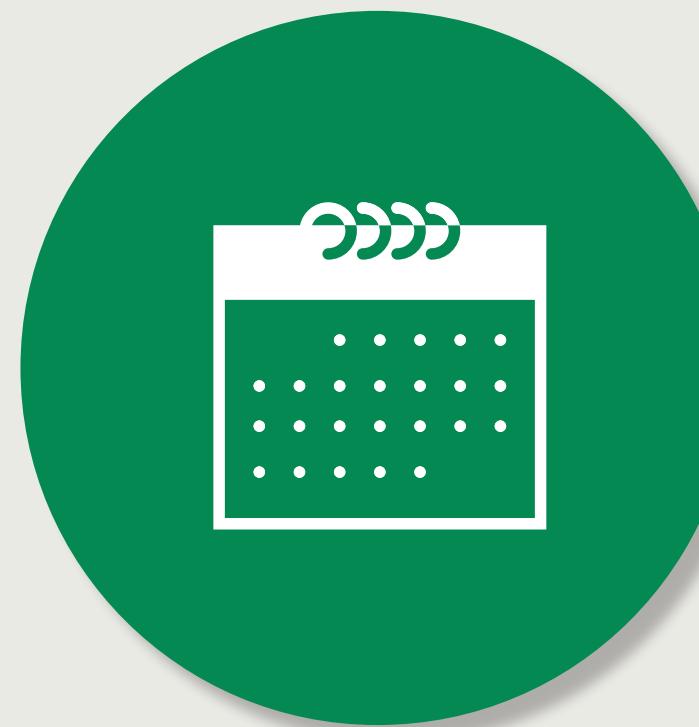
# UTRGV

## GET CONNECTED.



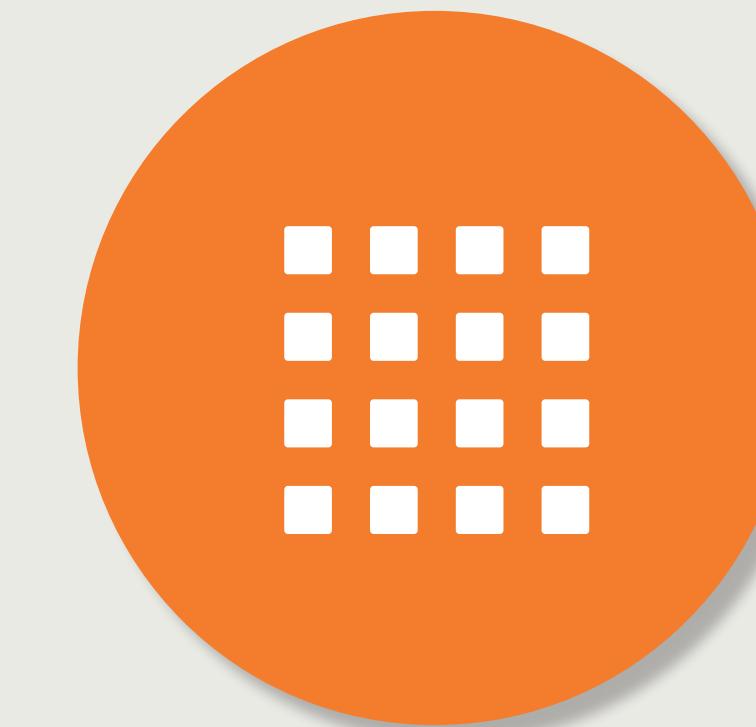
Animated splash page graphic  
fades to reveal the master plan  
home page.





## TIME

Explore the Master Plan through an interactive timeline and charts displaying future trends and major milestones.



## TYPE

Explore the Master Plan through an in-depth look at Research, Learning, Support, and Connectivity.



## LOCATION

Explore the Master Plan using an interactive map that tracks progress throughout the Rio Grande Valley.



## Executive Summary

### UTRGV Mission

To transform the Rio Grande Valley, the Americas, and the world through an innovative and accessible educational environment that promotes student success, research, creative works, health and well-being, community engagement, sustainable development, and commercialization of university discoveries.

### UTRGV Vision

To be one of the nation's leaders in higher education, its premier Hispanic-serving institution, and a highly engaged bilingual university, with exceptional educational, research, and creative opportunities that serve as catalysts for transformation in the Rio Grande Valley and beyond.

### Master Plan Purpose

Create a singular UTRGV that successfully operates in a distributed model across the Rio Grande Valley supported with the optimal research, digital, and physical infrastructure for achieving an integrated operational, cultural and place-making impact.



The UTRGV Master Plan is intended to be a bridge between the visionary ambitions of the University, its strategic goals and the practicalities of operational implementation. The master plan is driven not only by identifying the real estate needs for a growing, decentralized, and responsive university, but also by integrating value driven academic, operational and contextual initiatives that enable the master plan and its goals to be realistically achieved.



## Master/Strategic Plan Priorities



## Student Success

Support students in reaching their academic and professional potential.



## Educational Opportunities

Expand educational opportunities to increase experiential learning, creative endeavors, and community engaged scholarship.



## Research

Increase the number and productivity of faculty and students engaged in research and creative work.



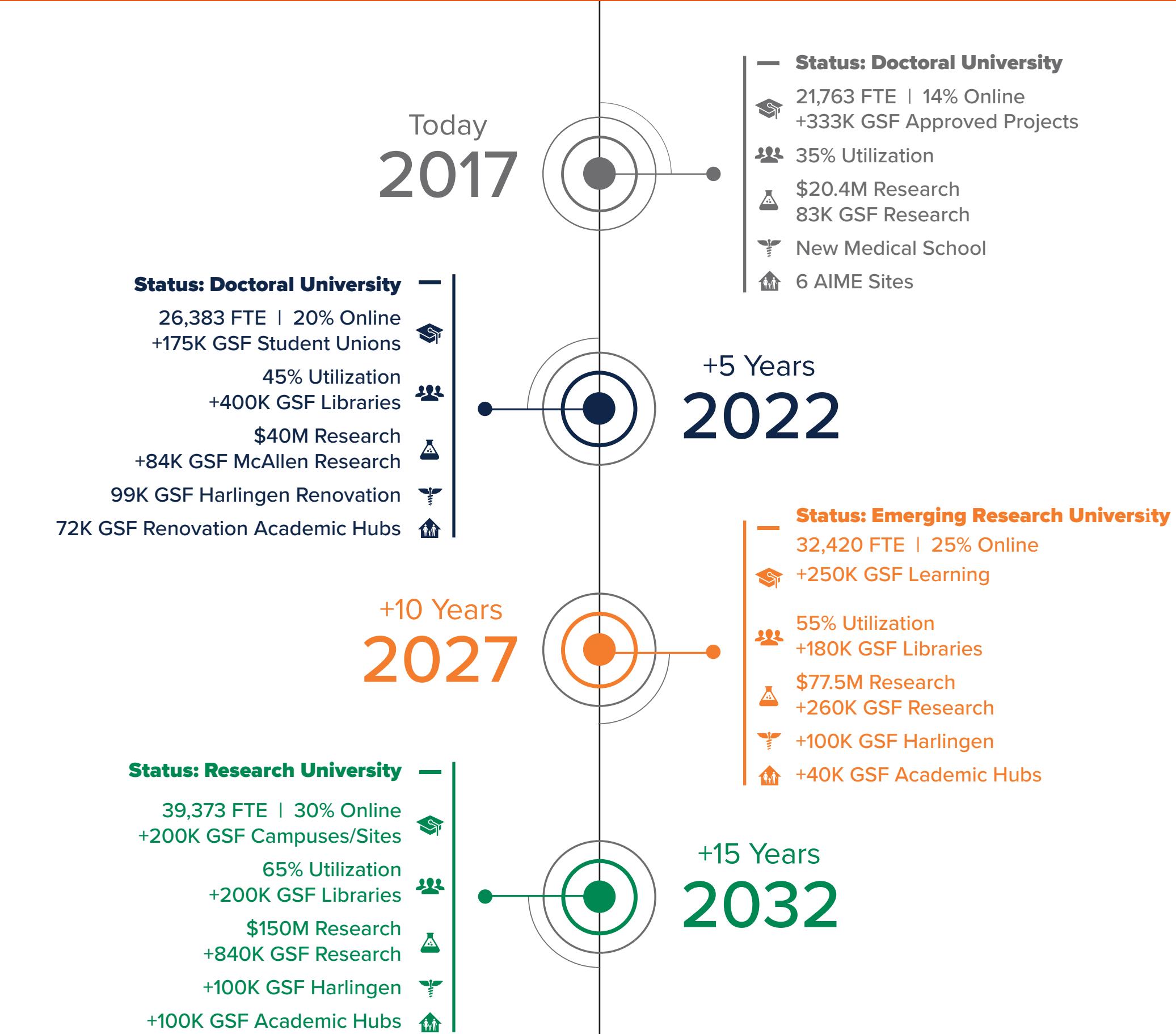
## Health + Medical Education

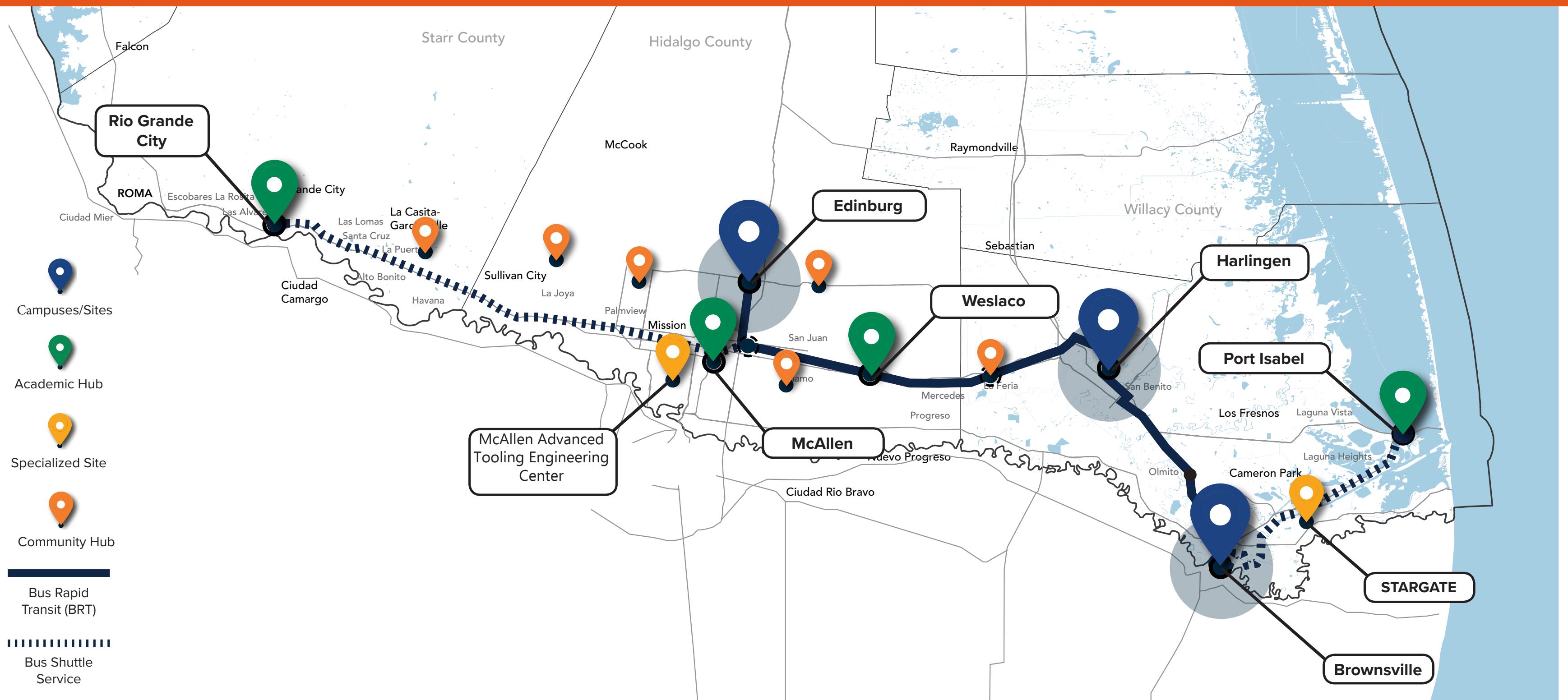
Promote a culture of health and well-being by employing a holistic approach to wellness, health, medical education, training, and research.



## Community Engagement

Foster sustainable community-university relationships to enrich scholarship, research, teaching, and creative activity while addressing critical societal issues.





## 15-Year Geography

The intent of the master plan is to achieve the most growth, greatest accessibility and maximum positive impact for the most effective investment. This will be achieved by leveraging existing locations and resources, increasing efficiency and productivity and by the optimization of transportation & IT infrastructure.



## Strategic Initiatives Summary | First 12 Months

### 0 - 6 Months

Integration of Strategic Plan  
Implementation Teams Empowered  
Funding, Finance, Operations Plan

- Enrollment, Staff + Faculty Growth Model
- Facility Utilization Improvement Plans
- Renovation Planning for Academic Hubs

- Solutions + Impact Focused, Theme-Based, Centers of Excellence Research Strategy
- Tech. Investment + Management Plan

- Library Strategic + Operations Plan
- Support Services + Administration Strategic Plan
- Sports + Recreation Funding Plan

**Transit:**

- Immediate Service Improvement Plan
- Bus Rapid Transit (BRT) Federal Funding Planning

**Data:**

- Network Connectivity Implementation Plan

### 6 - 12 Months

Implementation Teams in Operation  
Talent Acquisition  
Marketing + Communications

- Marketing Roll Out for the Academic Hubs
- Hiring Strategy Roll Out
- AIME Sites Evaluation + Expansion Planning

- DHR Space Allocation + Research Plan
- Principal Investigator Hiring Plan + Implementation

- Library Expansions + Renovations Planning
- Support Services + Administration Planning
- Unions Expansion Planning

**Transit:**

- Partner Engagement in Planning
- Advanced Planning + Design

**Data:**

- Expand High Definition (HD) Network to all locations

Moving from master planning into detailed planning and implementation requires a team with the empowerment to take on not only the development of facilities, but also business and operations planning. During the first six months following the completion of the Master Plan, this team would undertake detailed planning and prioritization of initiatives in enrollment planning, new program development, faculty/staff recruitment, financial planning, marketing and organizational change. During the second 6 months this team will proceed into progressive implementation of priority initiatives.



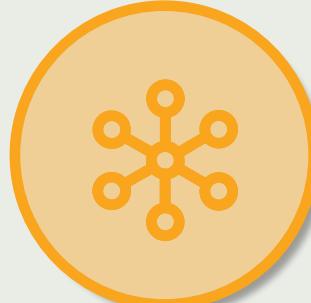
LEARNING



RESEARCH



SUPPORT



CONNECTIVITY



## Capital Projects Summary | Five, Ten, and Fifteen Years

### 5 YR

Enrollment: **26,383 FTE**  
Research: **\$40 M**

+10% Utilization  
Improvements Harlingen  
Renovation  
99,000 GSF  
6-24 AIME Site Expansions  
Academic Hub Renovations  
67,000 GSF

Doctors Hospital At Renaissance  
83,000 GSF  
Complete McAllen Advanced Manufacturing  
40,000 GSF

Library Book Repository  
100,000 GSF  
Library Expansion Brownsville + Edinburg  
300,000 GSF  
Admin + Support Services Buildings  
230,000 GSF  
Union Expansion Brownsville + Edinburg  
175,000 GSF  
Brownsville + Edinburg Recreation Upgrades

Bus Rapid Transit Service  
HD Data Network links all connections

### 10 YR

Enrollment: **32,420 FTE**  
Research: **\$77.5 M**

+ 10% Utilization Improvements  
Brownsville, Edinburg, Harlingen Expansion  
250,000 GSF  
AIME Site Expansions - *Formal Learning*  
Weslaco + McAllen Expansions  
40,000 GSF

Harlingen Health Sciences  
130,000 GSF  
Port Isabel Coast + Oceans  
130,000 GSF

Library Expansion Harlingen  
50,000 GSF  
Library Expansion Brownsville + Edinburg  
130,000 GSF  
Admin + Support Services Buildings  
125,000 GSF  
Mixed Use Conference Center Edinburg  
50,000 GSF

- Bus Rapid Transit & Academic Hubs Park + Rides
- HD Data Network links all connections

### 15 YR

Enrollment: **39,373 FTE**  
Research: **\$150 M**

+10% Utilization Improvements  
Brownsville, Edinburg, Harlingen Expansion  
300,000 GSF  
AIME Site Expansions - *Formal Learning*  
Weslaco + McAllen Expansions  
100,000 GSF

Brownsville + Edinburg Interdisciplinary Research  
420,000 GSF  
Weslaco Earth + Environment, Business  
210,000 GSF  
McAllen Health Sciences  
210,000 GSF

Library Expansions  
200,000 GSF  
Admin + Support Services Buildings  
155,000 GSF  
Brownsville Recreation Center  
100,000 GSF  
Edinburg Wellness Center  
50,000 GSF  
Edinburg Recreation + Sport Fields

- Transit Expansion to Secondary Networks
- HD Data Network links all connections

This table illustrates the capital projects required by UTRGV over the next five to fifteen years. The assignable areas for each project have been driven by inserting growth predictions for enrollment, research expenditures and Faculty / Staff population into a Space Prediction Model based on that used by the Texas Higher Education Coordinating Board. The results from the model were adapted to take into account the area and increased utilization of existing facilities, changes in the use of leased space, digital learning opportunities, new research methodologies and desired extent of decentralization. In addition national benchmarks were used to predict expansions of Union and sport / recreation facilities, not covered by the Coordinating Board Model.



**LEARNING**



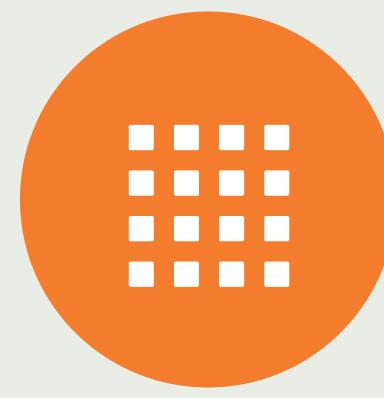
**RESEARCH**



**SUPPORT**



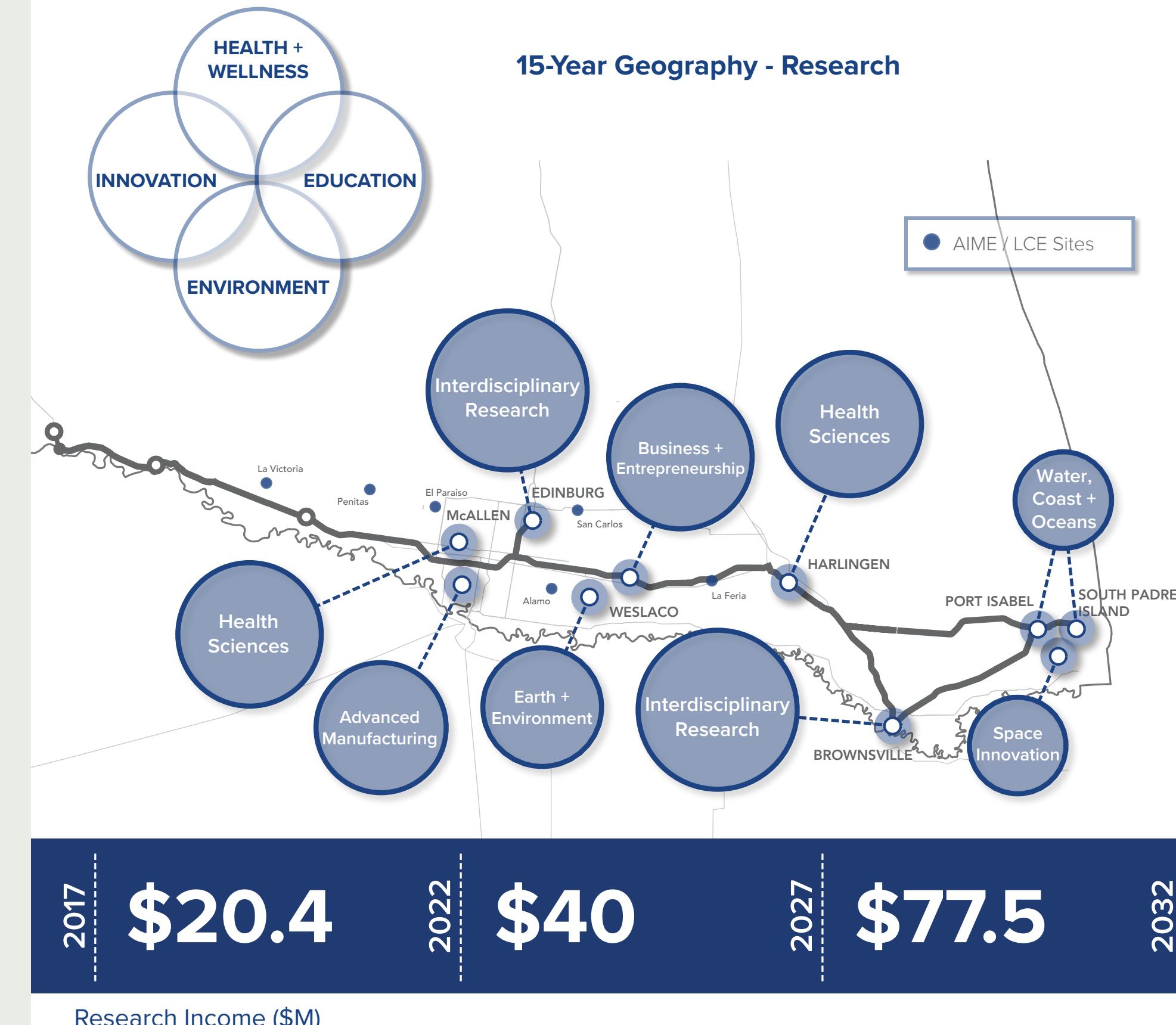
**CONNECTIVITY**



TYPE

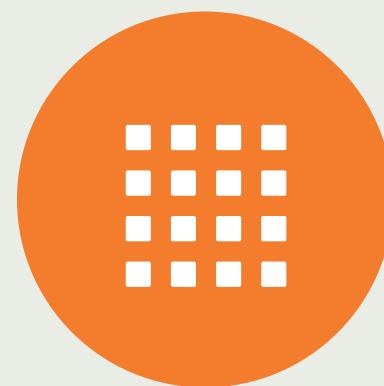
## Research

UTRGV's vision is to undertake solutions focused research that delivers positive social, economic and cultural impact to the Rio Grande Valley. Along with its goal to achieve Research University Status (Tier 1 equivalent) in the next 15 years this means substantial investment, not just in facilities, but also in new faculty hires, increases in research productivity and growth in PhD programs.



Solutions focused research at UTRGV aligns the unique strengths of UTRGV with Valley-wide needs and is divided into four strategic themes: Health + Wellness, Innovation, Education, and Environment. To operate successfully in a distributed model a series of thematic clusters has been aligned with the context of particular locations across Valley anchored by interdisciplinary clusters. These centers of excellence contain unique technologies and knowledge management resources related to their particular research activities. Research undertaken by the College of Education and P16 Integration would occur in all locations. The integrated fifteen-year growth strategy for research will require growth in Research Faculty numbers to 350-400, doubling research productivity and the development of around 16 PhD programs producing about one hundred and thirty PhD graduates per year.

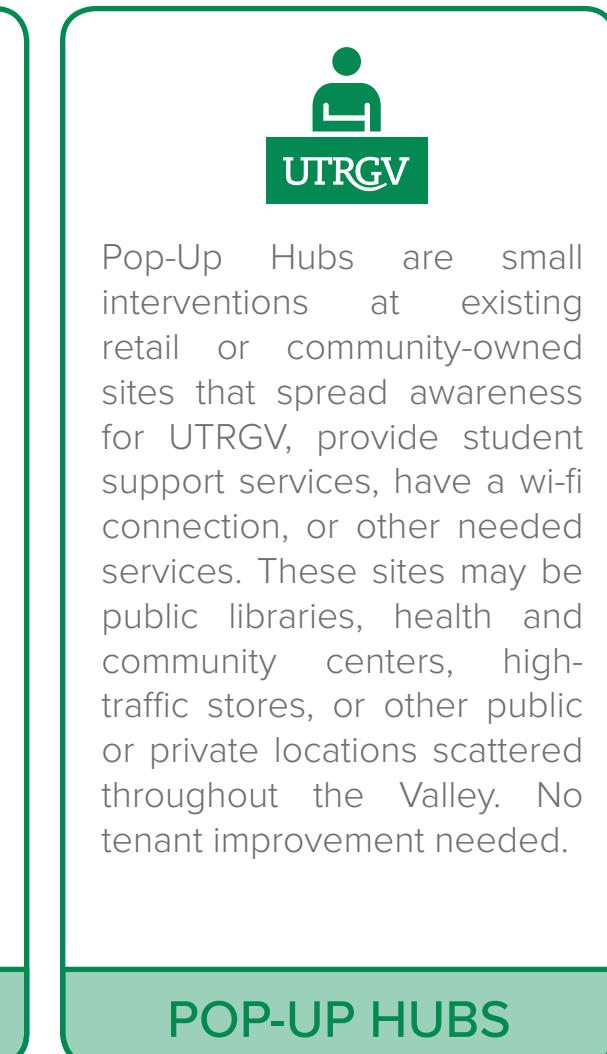
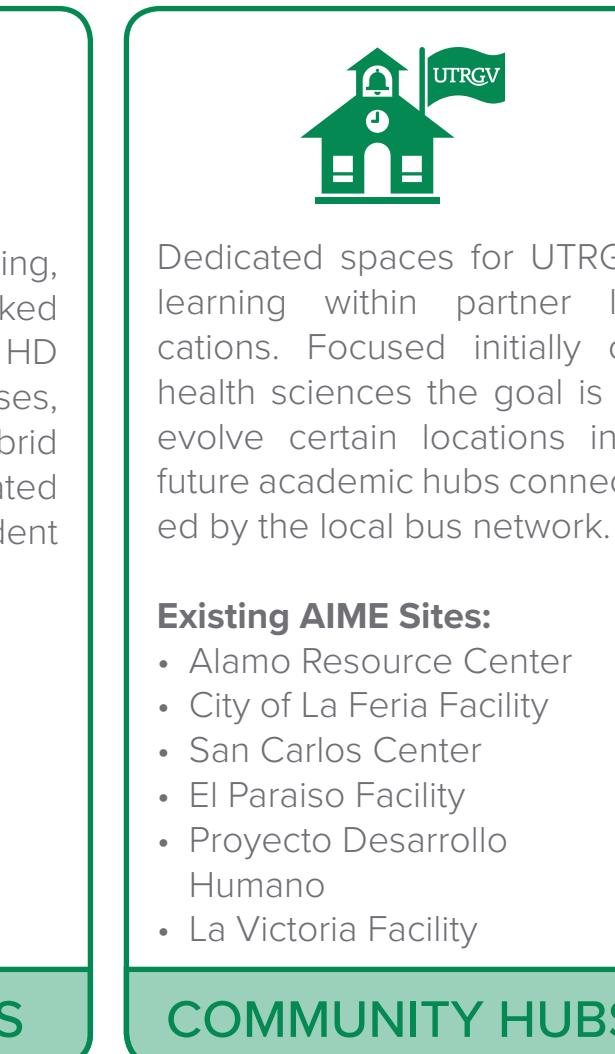
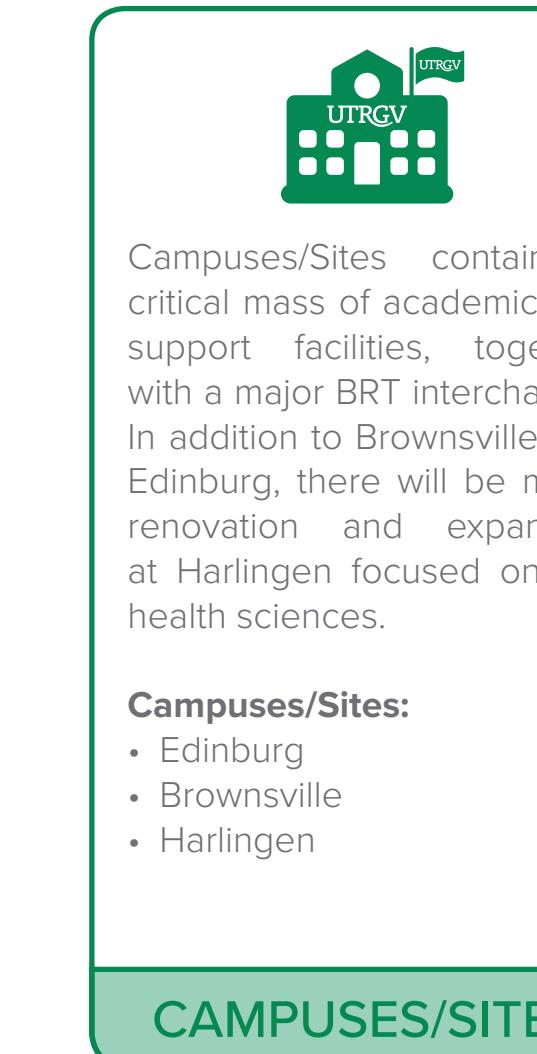


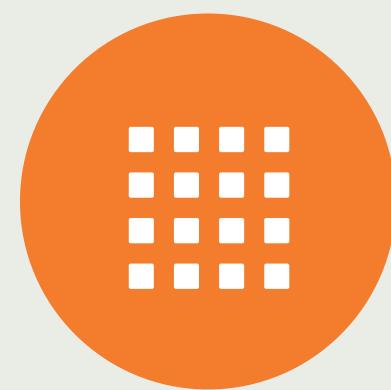


TYPE

## Learning

Over the next fifteen years, learning at UTRGV will evolve into a distributed model focused on increasing accessibility and outcomes across the Valley, while the majority of learning will remain in Edinburg and Brownsville, and an expanded Harlingen Site, the existing, improved Academic Hubs, coupled with expanded Community Hubs will offer learning and student services, integrated with research and community resources linked by high definition digital and Bus Rapid Transit networks.





TYPE

## Support

The THECB Space projection model identified major deficiencies in library, support and office facilities. Benchmarking also identified deficiencies in student union, recreation and housing facilities. In order to meet current acceptable university standards and to accommodate future enrollment growth these facilities will need to be expanded significantly in the next 5, 10, and 15 years.





The vision for future library services envisions an evolution from information storage to one of knowledge creation and management across the distributed UTRGV network. The first phase of this transformation involves investment in the creation of a new centralized book repository which will free space at Brownsville, Edinburg and Harlingen for much needed renovations and expansions of study, computer labs and multimedia space. As enrollment grows at the Academic Hubs, AIME sites and Pop Ups, library services will be progressively scaled up using a mixture of human and digital connectivity. As research expands at the specialized sites, library resources will be relocated to assist in discovery and socio economic impact.

**2022:** 400,000 GSF  
**2027:** 130,000 GSF  
**2032:** 200,000 GSF

LIBRARY



To meet existing needs as well as future growth, existing student unions will be renovated and expanded.

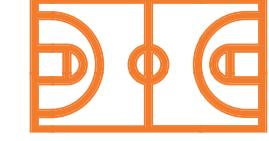
**2022:** 175,000 GSF  
**2027:** 50,000 GSF  
**2032:** As needed

STUDENT UNION



A detailed housing study is required to determine the locations, types, market targets and pricing of housing. Likely additions will include graduate housing in Weslaco, medical-student housing in Edinburg, and student residence halls on all three campuses/sites.

HOUSING



Major upgrades to the fields and new wellness facilities in Edinburg. Redesign of the Duckhead at Brownsville with new trails, outlooks, and fields.

**2022:** Fields and Trails upgrades  
**2027:** Fields Expansion  
**2032:** 150,000 GSF

RECREATION



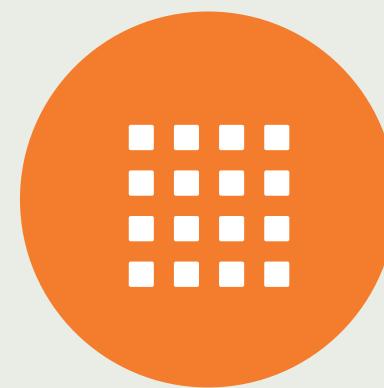
New administration buildings will be built to consolidate administration and expand support services in line with growth. Exact locations to be determined.

**2022:** 230,000 GSF  
**2027:** 125,000 GSF  
**2032:** 155,000 GSF

ADMIN + SUPPORT



Added Support Area GSF (K)



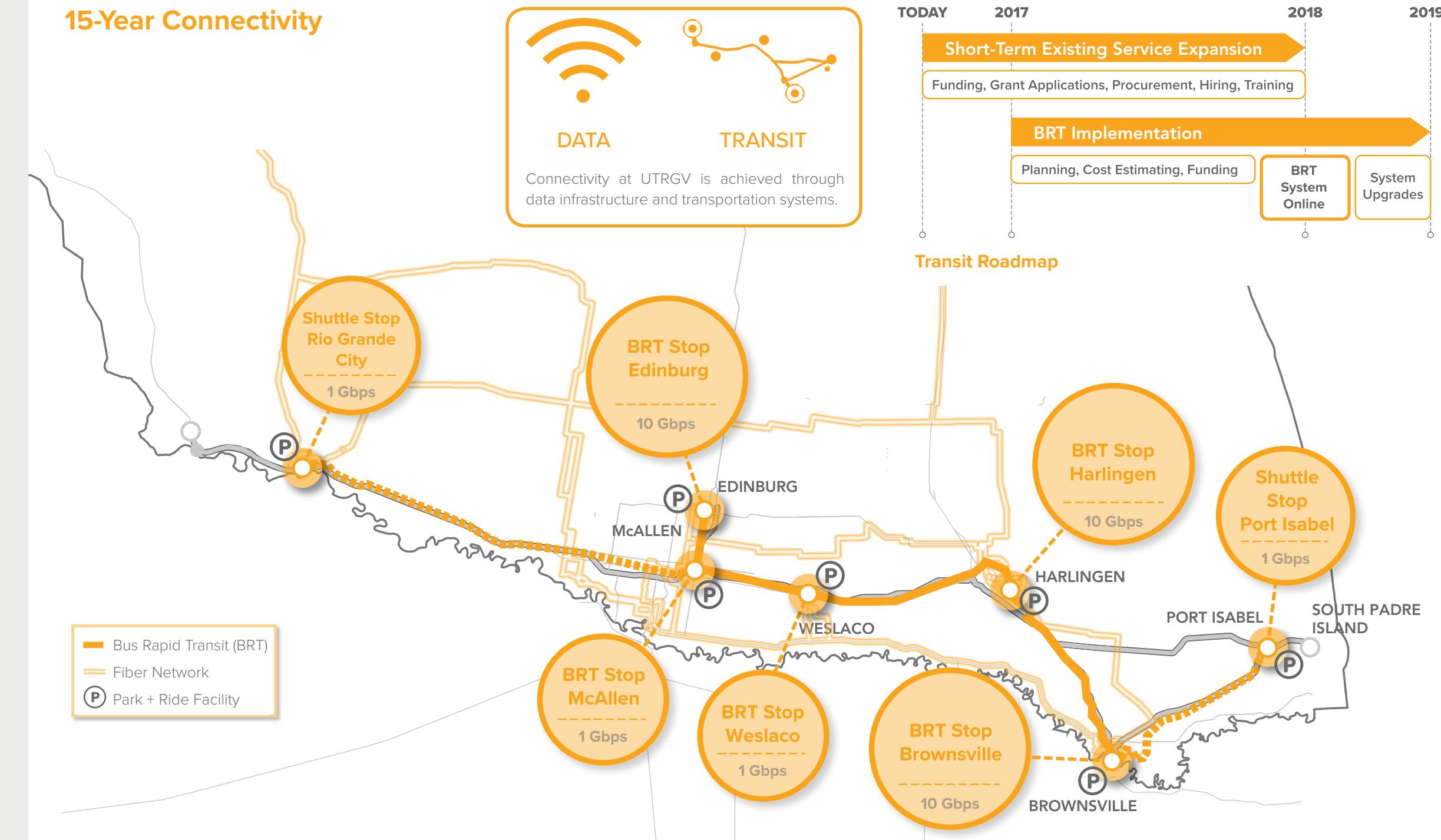
**TYPE**

## Connectivity

Interconnectivity is especially important in a distributed University. The proposed Bus Rapid Transit (BRT) network and supplementary shuttles connect students to all campuses/sites and each academic hub. High-speed internet is equally important to ensure a fully connected campus. A high-speed data/fiber network provides this service, with substantial upgrades made to each UTRGV site. Both the transportation and data networks are in the planning stages, with data upgrades occurring over the next 5 years and BRT service starting in 2018.



### 15-Year Connectivity



2017 **3,000**

2022 **6,000**

2027 **15,000**

2032 **20,000**

Daily Ridership (Riders)

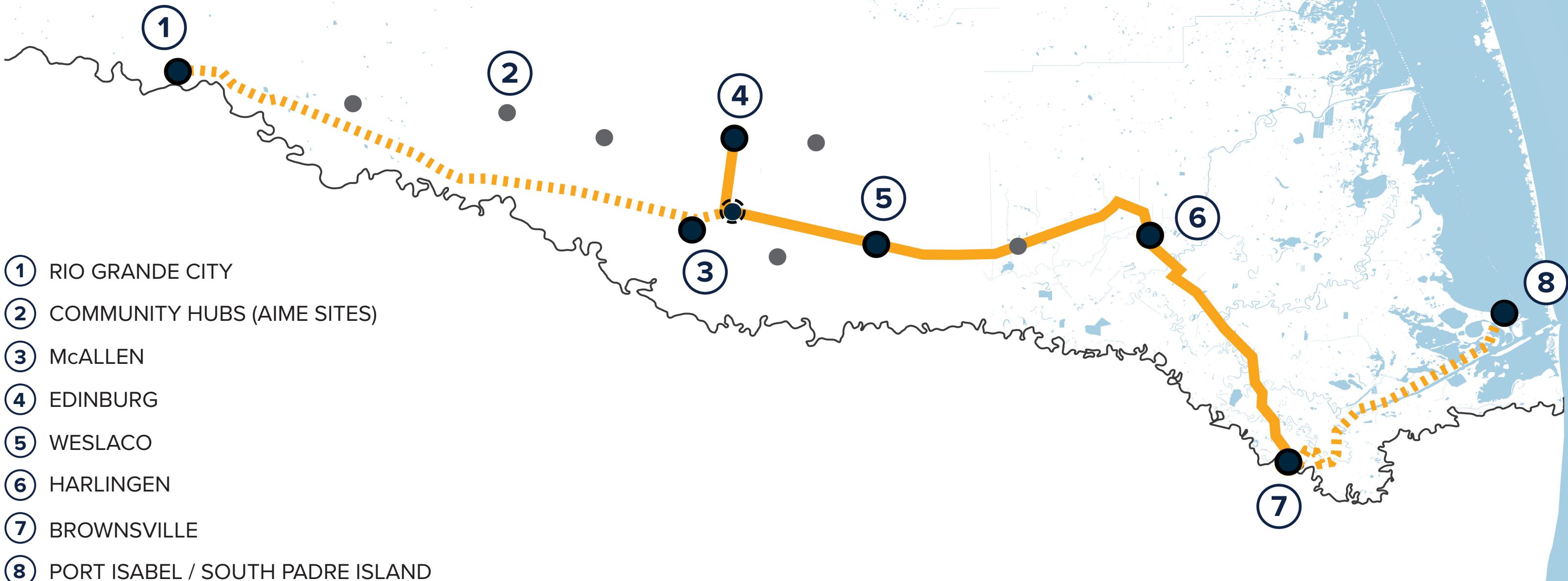


## LOCATION

### CAPITAL PROJECTS 2022, 2027, 2032

Explore the map for projects by location.

	RESEARCH
	LEARNING
	SUPPORT
	CONNECTIVITY

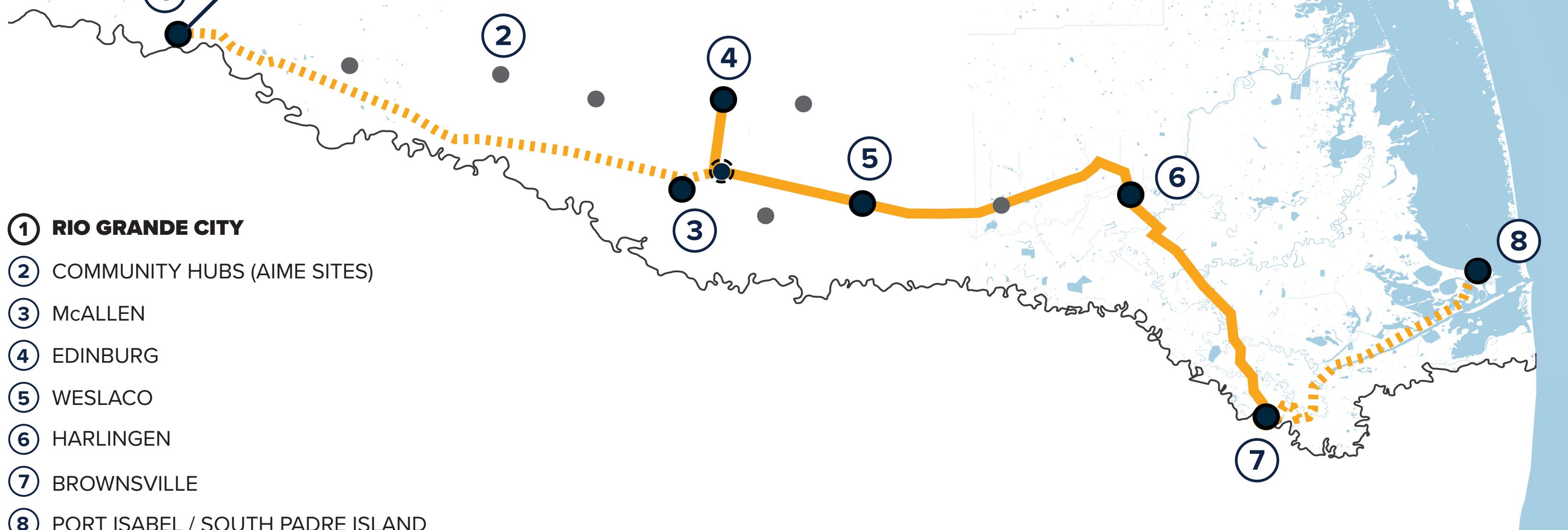


**CAPITAL PROJECTS 2022, 2027, 2032**

Explore the map for projects by location.

**RIO GRANDE CITY****2022**

16K GSF Upper Level Center Renovation

**LOCATION****1****2****4****5****6****8****3****5****6****7****① RIO GRANDE CITY****② COMMUNITY HUBS (AIME SITES)****③ McALLEN****④ EDINBURG****⑤ WESLACO****⑥ HARLINGEN****⑦ BROWNSVILLE****⑧ PORT ISABEL / SOUTH PADRE ISLAND**

	RESEARCH
	LEARNING
	SUPPORT
	CONNECTIVITY





## LOCATION

## CAPITAL PROJECTS 2022, 2027, 2032

Explore the map for projects by location.

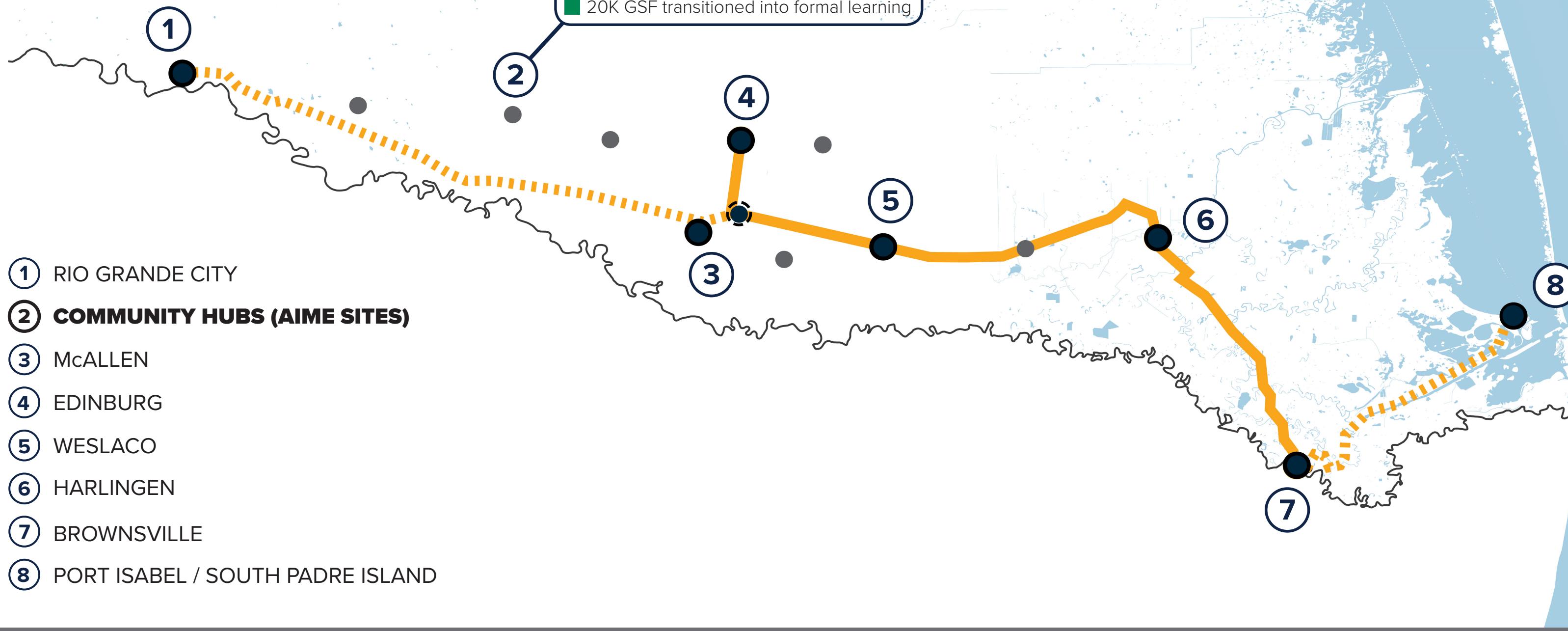
## COMMUNITY HUBS (AIME)

## 2022

● Initial 6 sites expanded to 24 locations

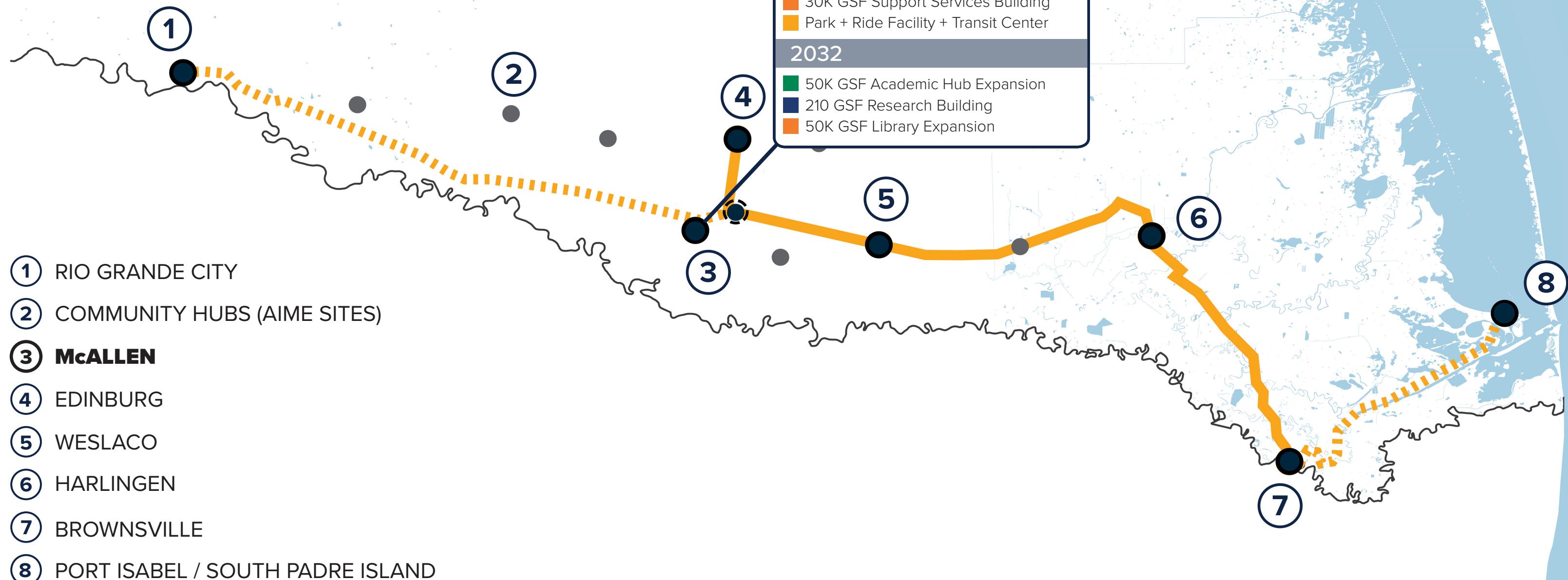
## 2027

■ 20K GSF transitioned into formal learning





## LOCATION



- RESEARCH
- LEARNING
- SUPPORT
- CONNECTIVITY



## LOCATION



- ① RIO GRANDE CITY
- ② COMMUNITY HUBS (AIME SITES)
- ③ McALLEN
- ④ EDINBURG
- ⑤ WESLACO
- ⑥ HARLINGEN
- ⑦ BROWNSVILLE
- ⑧ PORT ISABEL / SOUTH PADRE ISLAND

## CAPITAL PROJECTS 2022, 2027, 2032

Explore the map for projects by location.

## EDINBURG

### 2022

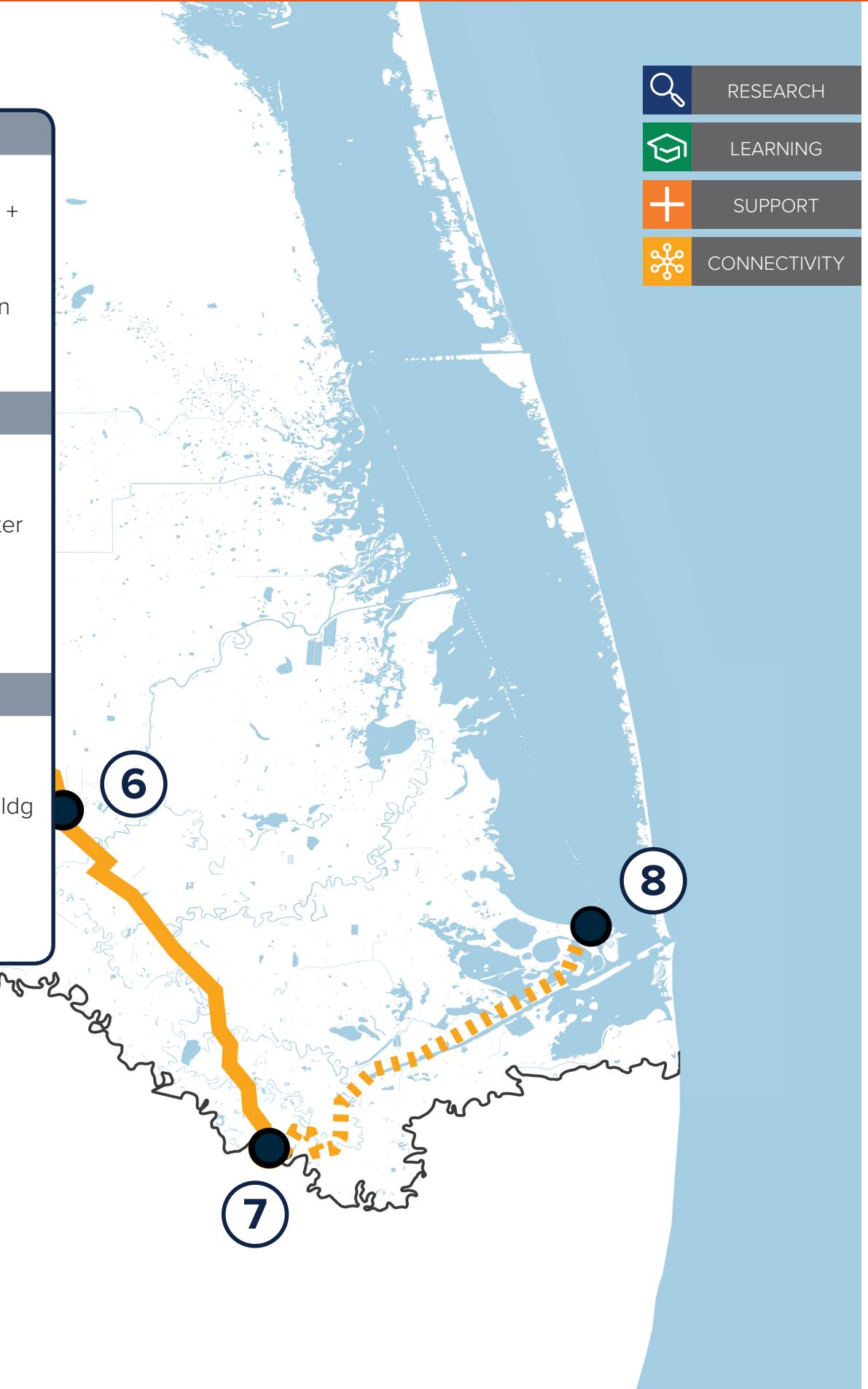
- 109K GSF Science Building
- 55K GSF Interdisciplinary Engineering + Academic Building
- 150K GSF Library Renovation
- Student Union Expansion + Renovation
- 75K GSF Support Services
- Intramural Fields Upgrades

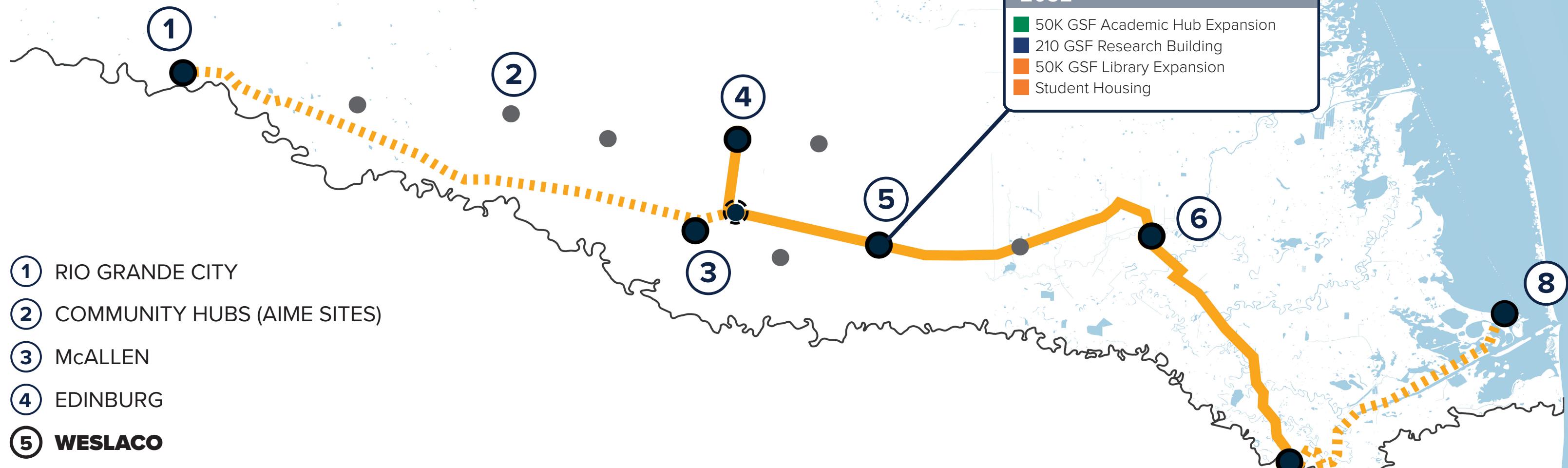
### 2027

- 75K GSF Multi-Disciplinary Academic Building
- 50K GSF Mixed Use Conference Center
- 45K GSF Library Expansion
- New Central Utility Plant
- Schunior Street Expansion
- Van Week Street Pedestrian Corridor

### 2032

- 100K GSF Multi-Disciplinary Academic Building
- 210K GSF Interdisciplinary Research Bldg
- 50K GSF Wellness Center
- Recreation + Sports Fields
- Student Housing
- 60K GSF Support Services



**LOCATION****CAPITAL PROJECTS 2022, 2027, 2032**

Explore the map for projects by location.

**WESLACO****2022**

- 16K GSF Weslaco Innovation and Commercialization Center + Expansion

**2027**

- 20K GSF Academic Hub Expansion
- 12K GSF Library Expansion
- 30K GSF Support Services Building
- Park + Ride Facility + Transit Center

**2032**

- 50K GSF Academic Hub Expansion
- 210 GSF Research Building
- 50K GSF Library Expansion
- Student Housing





## LOCATION



- RESEARCH
- LEARNING
- SUPPORT
- CONNECTIVITY



## LOCATION



- ① RIO GRANDE CITY
- ② COMMUNITY HUBS (AIME SITES)
- ③ McALLEN
- ④ EDINBURG
- ⑤ WESLACO
- ⑥ HARLINGEN
- ⑦ BROWNSVILLE
- ⑧ PORT ISABEL / SOUTH PADRE ISLAND

## CAPITAL PROJECTS 2022, 2027, 2032

Explore the map for projects by location.

### BROWNSVILLE

#### 2022

- 55K GSF Interdisciplinary Academic Bldg
- 103K GSF Music, Science & Learning Ctr
- 50K GSF Library Renovation
- 150K GSF Library
- 75K GSF Student Union Expansion
- 75K GSF Support Services
- Central Plant Upgrades
- Duckhead Recreation Upgrades

#### 2027

- 75K GSF Multi-Disciplinary Academic Building
- 45K GSF Library Expansion
- New Central Utility Plant

#### 2032

- 100K GSF Multi-Disciplinary Academic Building
- 210K GSF Interdisciplinary Research Bldg
- 100K GSF Recreation Center
- 50K GSF Library Expansion
- 60K GSF Support Services



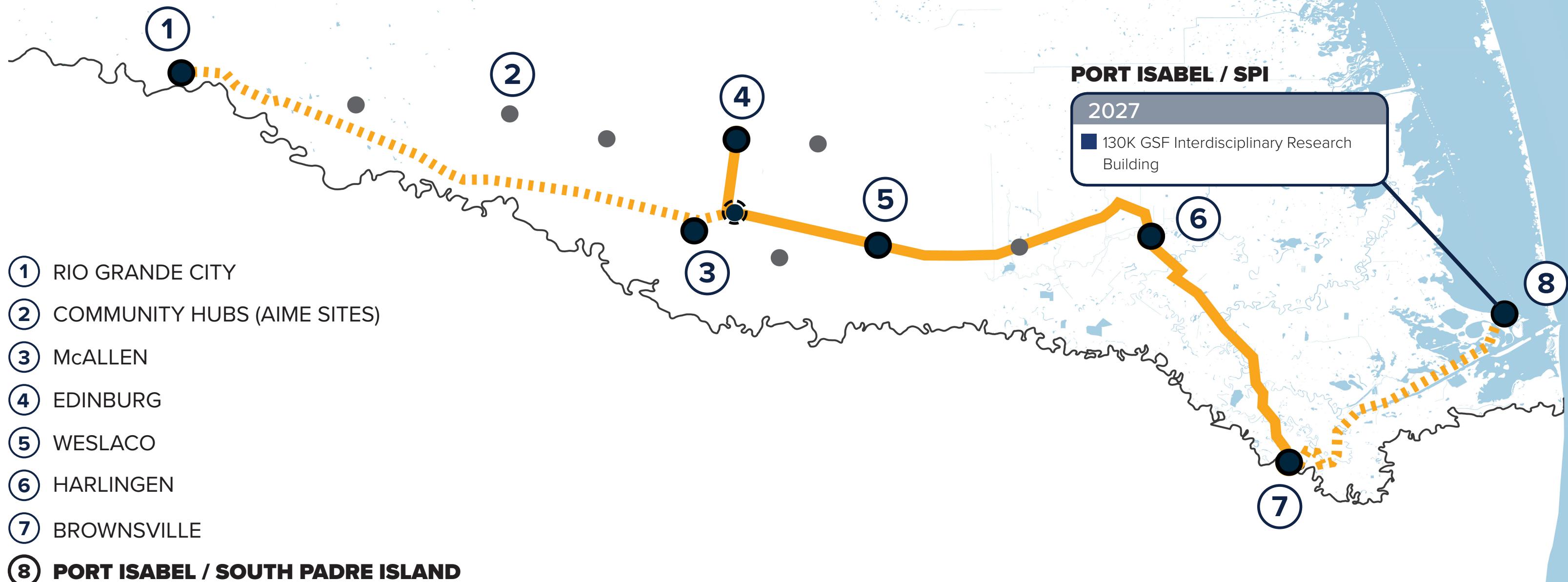


## LOCATION

### CAPITAL PROJECTS 2022, 2027, 2032

Explore the map for projects by location.

	RESEARCH
	LEARNING
	SUPPORT
	CONNECTIVITY



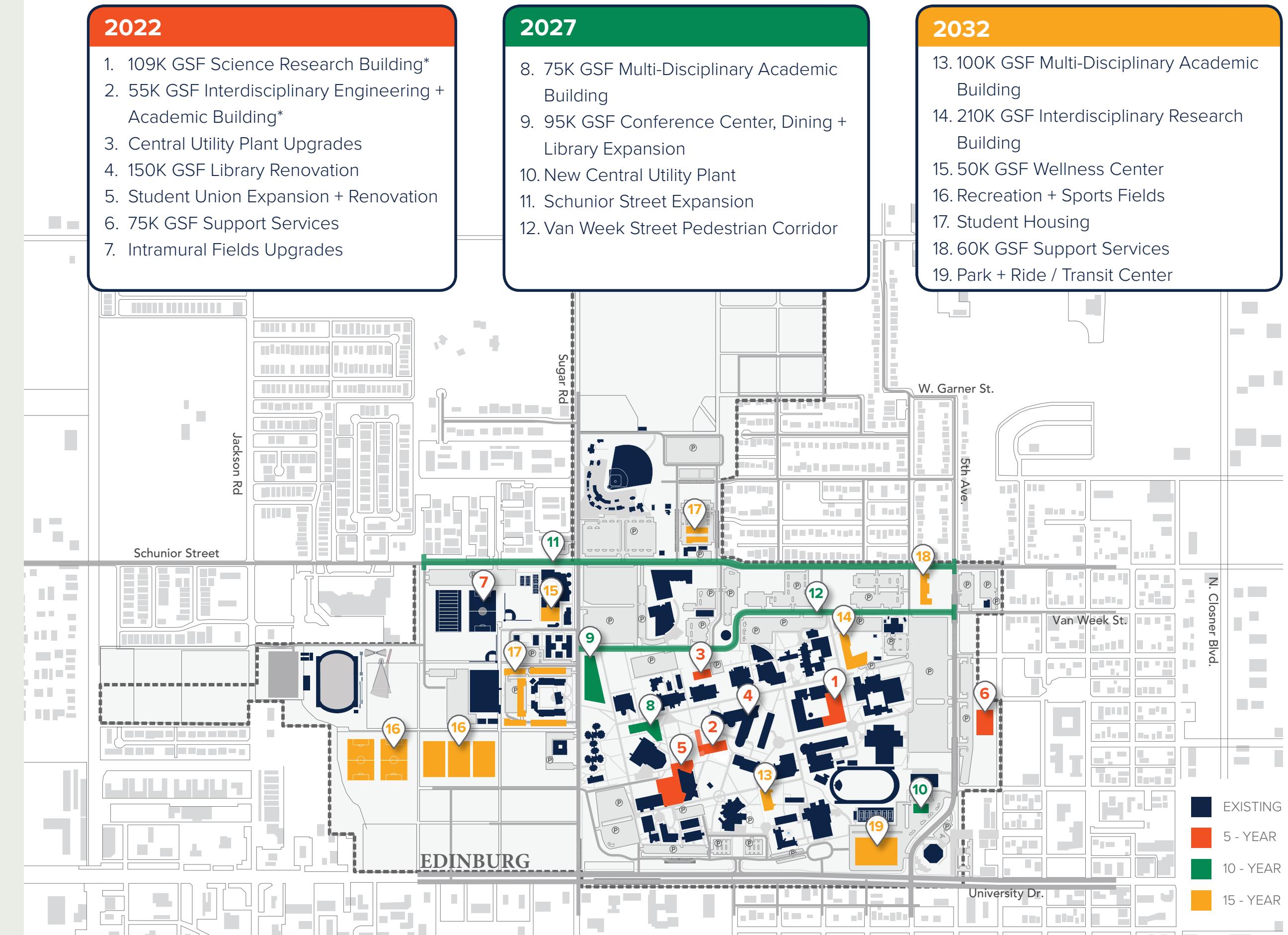


## LOCATION

### Edinburg

At 2.5m sq ft, Edinburg is the largest of the UTRGV sites. In updating the 2012 master plan study to meet current and future projections we have followed its design guidelines which illustrated expansion to the north and west of the main site and have projected new real estate development targets in the same locations. As illustrated, the major change to the previous plan is in the speed and types of development. With academic growth being balanced across the UTRGV network, development on the existing Edinburg site will initially be in library, student union, support, recreation and administrative facilities, followed by later developments for learning and research.

\* In construction | \*\* Not shown on map





## LOCATION

### Brownsville

The 2013 Brownsville master plan suggested aggressive real estate development on newly acquired land. In updating it we have matched real estate development with new academic targets, lease space reevaluations, available land and upgrades to alleviate operational deficiencies. In following the 2013 design guidelines we have maintained existing building locations, but adjusted the types and speed of delivery. With growth being balanced across the decentralized UTRGV network, development at Brownsville will initially be in library, student union, support, recreation and administrative facilities. Expansion in learning and research will occur as growth targets are met in later years.

\* In construction | \*\* Not shown on map

### 2022

1. 103K GSF Academic Building\*
2. 55K GSF MultiPurpose Building\*
3. 50K GSF Library Renovation
4. 150K GSF Library
5. 75K GSF New Student Union
6. 75K GSF Support Services
7. Central Plant Upgrades
8. Duckhead Recreation Upgrades

### 2027

9. 75K GSF Multi-Disciplinary Academic Building
10. 45K GSF Library Expansion
11. New Central Utility Plant

### 2032

12. 100K GSF Multi-Disciplinary Academic Building
13. 210K GSF Interdisciplinary Research Building
14. 100K GSF Recreation Center
15. 50K GSF Library Expansion
16. 60K GSF Support Services Building
17. Student Housing

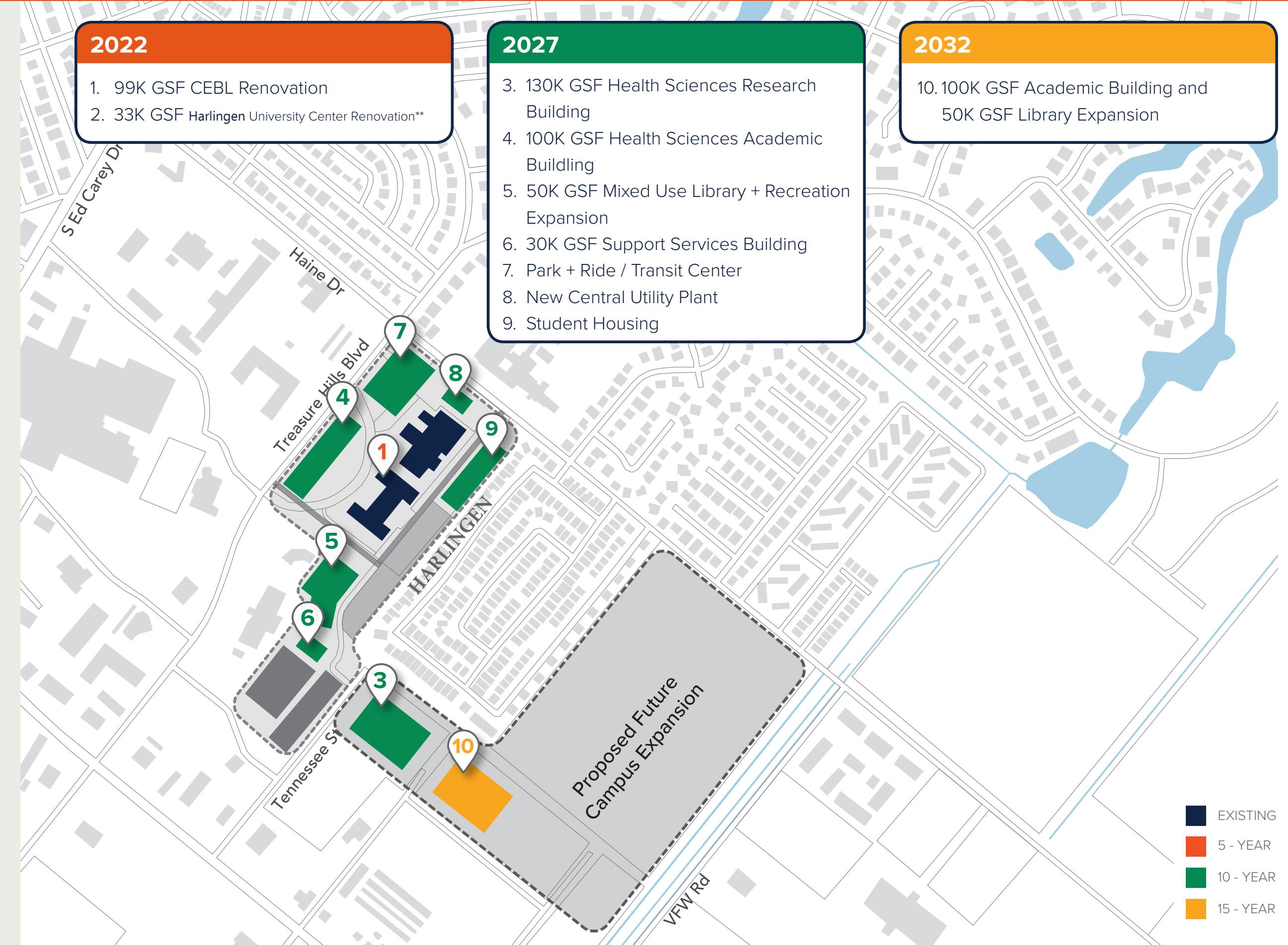




## LOCATION

### Harlingen

In conjunction with expanded use of the Harlingen University Center, the Harlingen site will be expanded to offer an integrated academic health sciences and a regional transit hub. Initial renovations will relocate Medical School and administrative offices to create expanded learning space for the School of Nursing. Later phases will include upgrades to the smart hospital, expansion of learning, library and support services, a new research building and housing.





## ABOUT THE UTRGV MASTER PLAN:

The goal of the master plan is to define the requirements of a singular University that successfully operates in a distributed model across the Rio Grande Valley supported with the optimal research, digital and physical infrastructure for achieving an integrated cultural, operational and place-making transformative impact.





This website represents the culmination of a series of workshops, meetings, data gathering and design exercises undertaken to establish a Regional Strategic Master Plan for the University of Texas at Rio Grande Valley (UTRGV). Undertaken between January and December 2016, the project was led by President Guy Bailey and his Executive Leadership Team at UTRGV with the Cannon Design / Overland Partners / Arup consultant team providing academic planning, engagement and design.

**The scope of the project was as follows:**

1. Engage with Executive Leadership and other Stakeholders to develop the vision, mission and goals for the transformation to an integrated regional multi-campus university
2. Assess the existing strategic planning and legacy campus master plans in order to formulate prioritized transformation strategies
3. Establish the current location and extent of UTRGV's regional land and building ownership including leases and potential purchases
4. Develop a high level 'future state' roadmap that articulates the growth of the University by priority initiatives (e.g. community hubs) and priority locations for academic, research and auxiliary functions over these periods. This includes THECB (and other agreed benchmarks) space requirements for UTRGV over 5, 10 and 15- year time scales
5. Determine optimum locations for IT and transportation infrastructure





## UTRGV Master Plan Participants

### Executive Leadership Team

Guy Bailey	President, UTRGV
Rick Anderson	Executive Vice President for Finance and Administration
Janna Arney	Deputy President
Marty Baylor	Executive Vice President for Finance and Administration (Retired)
Kelly Scrivner	Vice President for Institutional Advancement
Veronica Gonzales	Vice President for Governmental and Community Relations
Theresa Maldonado	Senior Vice President for Research, Innovation, and Economic Development (Former)
Havidan Rodriguez	Provost and Executive Vice President for Academic Affairs



### Design Team

Laura Lara, *University of Texas System OFPC, Senior Project Manager*

### Cannon Design

Kevin Dunphy, *Designer*

Jill Kurth, *Associate Vice President, Academic and Planning Strategist*

Charles Smith, *Principal, Planning and Architecture Leader*

Mark Whiteley, *Principal, Academic, School of Medicine and Planning Leader*

Robyn Wolochow, *Designer*

### Overland Partners

Rick Archer, *Principal in Charge*

Allison Hu, *Architect*

Aaron Stone, *Designer*

Samantha Whitney Schwarze, *Project Manager*

### Arup

Steve Done, *Principal*

Ryan Falconer, *Associate Principal Transportation Planner*

Chris Brosz, *Engineer*

### Website Design

Jose Luis Quezada, *Systems Analyst //*

Jesus Torres, *Graphics Designer*





## Stakeholder Team

Steve Block, *Dean College of Fine Arts*

Letty Benavides, *Assistant Vice President for Campus Auxiliary Services*

Cynthia Brown, *Deputy Provost*

Susan Brown, *Assistant Vice President Strategic Analysis & Institutional Reporting*

Kristin Croyle, *Vice President for Student Success*

Walter Diaz, *Dean, College of Liberal Arts*

Alex Domijan, *Dean of the College of Engineering and Computer Science*

Irv Downing, *Assoc. VP, Economic Development (Former)*

Maggie Hinojosa, *Vice President for Strategic Enrollment*

Jeff Graham, *Chief Information Officer*

Parwinder Grewal, *Dean, College of Sciences*

Rodney Gomez, *Director of Parking & Transportation*

Miguel Gonzalez, *Associate Vice President, Sponsored Programs & Research Compliance*

Patrick Gonzales, *Associate VP University Marketing and Communications*

Andreas Holzenburg, *Assoc. Vice President, Shared Research Infrastructure*

Travis Hughes, *Director of University Recreation*

Mark Kroll, *Dean College of Business & Entrepreneurship*

Michael Lehker, *Dean, College of Health Affairs*

Steven Lieberman, *Interim Dean, School of Medicine (Former)*

Tom Logan, *Valley Metro Representative*

Patty McHatton, *Dean, College of Education and P16 Integration*

Jackie Michel, *Assistant Vice President for Research Translation*

Jose Luis Quezada, *Systems Analyst II*

Kumar Raman, *IT Dir of App Development and Collaborative Technologies*

Isai Ramirez, *Associate Information Officer For Business Relationships*

Alma Rodriguez, *Associate Dean for Assessment and Accreditation, College of Education and P16 Integration*

John Ronnau, *Senior Associate Dean for Interprofessional Education*

Marta Salinas-Hovar, *Associate Vice President for Facilities Planning and Operations*

Richard Sanchez, *Associate Vice President for Governmental Relations*

Paul Sharpe, *University Librarian*

Laurie Simmons, *Manager, Center for Innovation and Commercialization*

Lisa Smith, *Executive Assistant to the Provost and EVP for Academic Affairs*

Kristina Stillsmoking, *Director of the Simulation Hospital*

Cris Trejo, *Assistant Vice President for Community Engagement and Assessment*





## Project Schedule

The Master Plan project comprised of four interlinked project phases.

### 1. Scope Definition:

Understanding the University priorities for the study unearthed the need for the focus to be on defining the academic and auxiliary services infrastructure required to support increasing enrollment, especially in graduate programs, and growth in research expenditures. Physical and digital connectivity in a decentralized approach was also important. Sports was excluded while housing was to be the subject of future study.



### 2. Current State Baseline:

In parallel with understanding and articulating the existing status of UTRGV physical, academic and connectivity resources, the team developed metrics, benchmarks and a real estate calculation methodology based on the models under consideration by the Texas Higher Education Coordinating Board.

### 3. Future State Roadmap:

Using the previously agreed metrics and calculation methodology the design team engaged the stakeholders to develop a real estate roadmap which integrated growth in enrollment and research expenditures and maximum community impact with the most cost effective use of physical and digital infrastructure. The Master Plan team explored the timing of growth and capital project initiation, the types of real estate required, the extent of realistic geographic decentralization and the associated digital and transportational requirements for optimal connectivity.

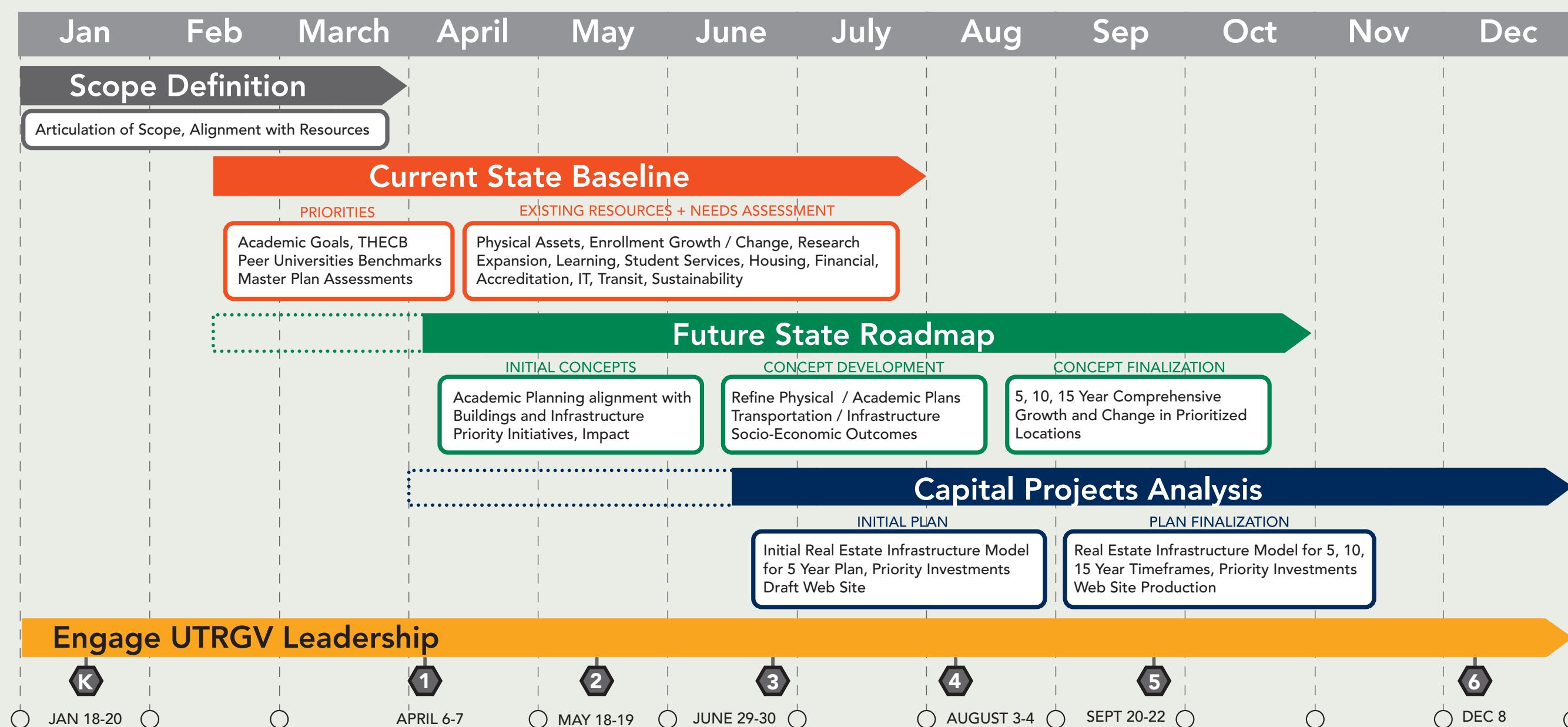
### 4. Capital Projects Analysis:

The team refined the types of projects, their size, location prioritization and timing. This was cross referenced with a transformative Academic Plan, the Strategic Plan and a capital cost model. During this period, the design team developed the UTRGV Master Plan web site.



## Project Schedule

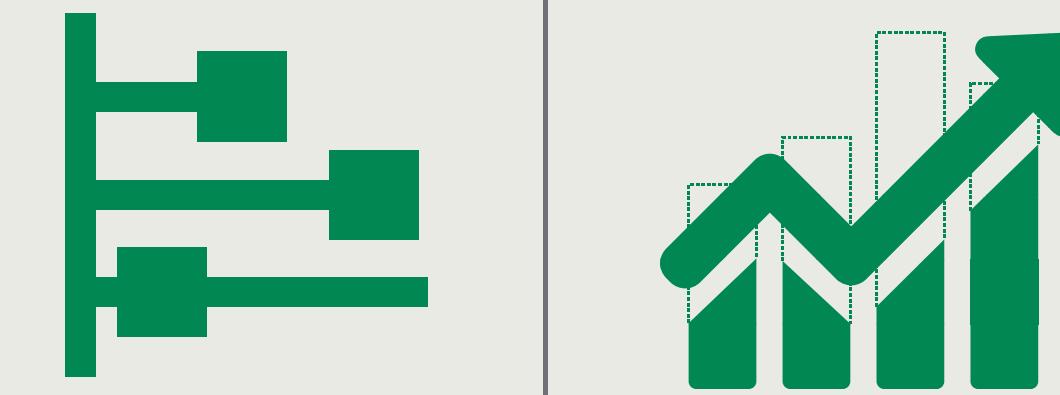
The design team engaged with the stakeholder groups on seven occasions during the master planning process. These meetings took the form of decision making meetings with the Executive leadership team and focused workshops with over 40 stakeholders. The workshops integrated academic, operations, infrastructure and resource planning discussions across learning, research, library, union, community engagement, information technology and transportation.





TIME

LOCATION



## Timeline

Explore future changes using  
the interactive timeline

## Trends

Explore charted trends for  
milestones and growth

## RESEARCH

## LEARNING

## SUPPORT

## CONNECTIVITY

## TODAY

Expenditure: \$20.4 million  
170 Principal Investigators  
91 PhD Students

## TODAY

UTRGV Enrollment:  
21,763 FTE

TIME

LOCATION

JAN 2017

Begin space utilization  
improvements  
in Brownsville +  
Edinburg



APR 2017

Planning for Off-  
campus Book  
Repository for UTRGV  
Libraries begins  
100,000 GSF



NOV 2017

Weslaco Business Incubator  
Began construction 2016, opens DEC 2018.  
19,400 GSF



DEC 2017

6 Community Hubs  
(AIME program sites)  
up and running



DEC 2017

Begin planning and  
funding for transit  
spine development



## RESEARCH

## LEARNING

## SUPPORT

## CONNECTIVITY

FEB 2018



New Science Building East opens in Edinburg  
115,000 GSF

MAR 2018



Planning begins for expansion of McAllen Advanced Manufacturing Research Facility  
40,000 GSF

APR 2018



New Interdisciplinary Engineering and Academic building opens in Edinburg  
55,160 GSF

MAY 2018



New Interdisciplinary Academic Building opens in Brownsville  
54,770 GSF

DEC 2018



Weslaco Business Incubator opens  
19,400 GSF

JAN 2018



Planning begins for Harlingen Clinical Education Building (CEBL) Renovation  
99,000 GSF

MAR 2018



Planning for UTRGV support services building begins  
150,000 GSF

JUN 2018



Planning begins for Brownsville Library Expansion  
150,000 GSF

Data HD Network Expansion

Began NOV 2017, completes in DEC 2022.

TIME

TYPE

LOCATION

## RESEARCH

## LEARNING

## SUPPORT

## CONNECTIVITY

TIME

LOCATION

TYPE

JAN 2019 

New Music, Science & Learning Center opens in Brownsville

102,500 GSF

MAR 2019 

Planning begins for Weslaco Business Incubator Expansion

7,000 GSF

DEC 2019 

Doctors Hospital at Renaissance (DHR) Research Building Opens

83,000 GSF

JAN 2019 

Planning begins for Brownsville Student Union Expansion

75,000 GSF

MAR 2019 

Planning begins for Edinburg Student Union Renovation

100,000 GSF

JUL 2019 

Planning begins for Edinburg & Brownsville recreation upgrades

Brownsville Library Expansion

Planning begins JUN 2018, opens APR 2021.

150,000 GSF



## RESEARCH

## LEARNING

## SUPPORT

## CONNECTIVITY

TIME

LOCATION

MAR 2020

Expansion of McAllen Advanced Manufacturing Research Facility opens

40,000 GSF

## Community Hubs (AIME sites)

2017: 6 sites open  
2018: 8 sites open  
2019: 12 sites open  
2020: 16 sites open  
2021: 20 sites open  
2022: 25 sites open



JAN 2020

Expand secondary transit networks



JAN 2020

Planning for Edinburg Library Renovation / Expansion begins  
150,000 GSF



MAR 2020

Planning for UTRGV administration / office building begins  
80,000 GSF



OCT 2020

Off-campus Book Repository for UTRGV Libraries opens  
100,000 GSF



DEC 2020

Primary transit spine funded & connected



## RESEARCH

## LEARNING

## SUPPORT

## CONNECTIVITY

JAN 2021



Planning begins for new Health Sciences research building in Harlingen

130,000 GSF

APR 2021



Brownsville Library Expansion opens

150,000 GSF

OCT 2021



UTRGV support services building opens

150,000 GSF

NOV 2021



Harlingen Clinical Education Building (CEBL) Renovation opens

99,000 GSF

Edinburg Student Union Renovation

Planning begins MAR 2019, opens MAR 2022.

100,000 GSF

TIME

TYPE

LOCATION

## RESEARCH

2022

Expenditure: \$40 million  
200 Principal Investigators  
171 PhD Students

## LEARNING

2022

UTRGV Enrollment:  
26,383 FTE  
18% Growth

## SUPPORT

JAN 2022

Edinburg & Brownsville  
recreation upgrades  
completed

## CONNECTIVITY

MAR 2022

Edinburg Student Union  
re-opens  
100,000 GSF

TIME

LOCATION

JAN 2022



Planning begins for  
Harlingen Clinical  
Education Building  
(CEBL) Expansion  
100,000 GSF

NOV 2022



25 AIME Sites Up and  
Running

DEC 2022



Weslaco Business Incubator  
Expansion opens  
7,000 GSF

DEC 2022



Brownsville + Edinburg  
space utilization  
improvements completed

JUN 2022



Brownsville Student Union  
Expansion opens  
75,000 GSF

NOV 2022



UTRGV administration /  
office building opens  
80,000 GSF

DEC 2022



Edinburg Library  
Renovation /  
Expansion opens  
150,000 GSF

DEC 2022



Data HD network  
expansion to all sites  
completed

## RESEARCH

## LEARNING

## SUPPORT

## CONNECTIVITY

TIME

LOCATION

MAR 2023

JAN 2023

MAR 2023

JAN 2023

MAR 2023

JAN 2023

Planning begins for new Water, Coast, & Oceans research building at Port Isabel  
130,000 GSF

Planning begins for Graduate School of Business (GSB) expansion in Weslaco  
20,000 GSF

Planning begins for Edinburg Conference + Event Center  
50,000 GSF

JUN 2023

JUN 2023

OCT 2023

Planning begins for academic expansion in McAllen  
20,000 GSF

AIME Expansion to formal learning begins  
20,000 GSF

Secondary transit networks expansion completed

OCT 2023

Harlingen Clinical Education Building Expansion  
Planning begins JAN 2022, opens DEC 2025  
100,000 GSF

DEC 2023

Planning begins for new academic building in Edinburg  
75,000 GSF

Primary transit spine expansion completed



## RESEARCH

## LEARNING

## SUPPORT

## CONNECTIVITY

TIME

DEC 2024



New Health Sciences  
research building in  
Harlingen opens  
130,000 GSF

## Research Building in Port Isabel

Planning begins in MAR 2023, opens DEC  
2026.  
130,000 GSF

## Edinburg Conference + Event Center

Planning begins MAR 2023, opens APR  
2027.  
50,000 GSF

JAN 2024



Planning begins for  
secondary transit  
network expansion

TYPE

LOCATION

## RESEARCH

## LEARNING

## SUPPORT

## CONNECTIVITY

JAN 2025



Planning begins for new Interdisciplinary Research building in Brownsville  
210,000 GSF

JAN 2025



Planning for UTRGV libraries expansion begins  
130,000 GSF

APR 2025



Planning for UTRGV office building begins  
35,000 GSF

SEP 2025



McAllen academic expansion completed  
20,000 GSF

DEC 2025



Harlingen Clinical Education Building (CEBL) expansion opens  
100,000 GSF

SEP 2025



Planning begins for support services building  
90,000 GSF

DEC 2025



Harlingen Library expansion opens  
50,000 GSF

TIME

TYPE

LOCATION

## RESEARCH

## LEARNING

## SUPPORT

## CONNECTIVITY

TIME

LOCATION

TYPE

DEC 2026



New Water, Coast, +  
Oceans research building  
at Port Isabel opens

130,000 GSF

## Research Building in Brownsville

Planning begins in JAN 2025, opens OCT 2028.  
210,000 GSF

## Academic Building in Brownsville

Planning begins in JAN 2023, opens DEC 2027.  
75,000 GSF

## Secondary Transit Network Expansion

Phase I planning begins JAN 2024,  
completed DEC 2027.

OCT 2026



Expand primary transit  
spine

## RESEARCH

2027

Expenditure: \$77.5 million  
260 Principal Investigators  
466 PhD Students

FEB 2027



Planning begins for  
new Interdisciplinary  
Research building in  
Edinburg  
210,000 GSF

## LEARNING

2027

UTRGV Enrollment:  
32,383 FTE  
18% Growth

FEB 2027



AIME Expansion to formal  
learning completed  
20,000 GSF

JUN 2027



Weslaco Expansion opens  
20,000 GSF

SEP 2027



New Academic Building  
opens in Edinburg  
75,000 GSF

DEC 2027



New Academic Building  
opens in Brownsville  
75,000 GSF

## SUPPORT

JAN 2027



Edinburg Conference +  
Event Center opens  
50,000 GSF

FEB 2027



UTRGV support services  
building opens  
90,000 GSF

SEP 2027



UTRGV office building  
opens  
35,000 GSF

DEC 2027



UTRGV library expansions  
open  
130,000 GSF

## CONNECTIVITY

SEP 2027



Data HD network  
expansion completed at  
all sites

DEC 2027



Secondary transit networks  
expansion completed

2027 UTRGV ACHIEVES EMERGING RESEARCH UNIVERSITY STATUS

TIME

LOCATION

## RESEARCH

## LEARNING

## SUPPORT

## CONNECTIVITY

JAN 2028



Planning begins for a new Energy + Environment Research building in Weslaco  
210,000 GSF

JAN 2028



Planning begins for academic expansion in Weslaco  
50,000 GSF

MAR 2028



Planning begins for academic expansion in McAllen  
50,000 GSF

JUL 2028



Planning begins for new academic building in Brownsville  
100,000 GSF

OCT 2028



New research building opens in Brownsville  
210,000 GSF

OCT 2028



Planning begins for new academic building in Edinburg  
100,000 GSF

DEC 2028



Primary transit spine expansion completed

TIME

LOCATION

TYPE

## RESEARCH

## LEARNING

## SUPPORT

## CONNECTIVITY

TIME

LOCATION

TYPE

JAN 2029



Planning begins for new Harlingen academic building  
100,000 GSF

JAN 2029



Planning begins for new office building  
35,000 GSF

JAN 2029



Expand secondary transit networks

MAR 2029



Planning begins for a new research building in McAllen  
210,000 GSF

MAR 2029



Brownsville Recreation Center purchased or planning begins for new recreation facility  
100,000 GSF

AUG 2029



Planning begins for Edinburg Wellness Center Expansion  
50,000 GSF

DEC 2029



Planning begins for Edinburg recreation/sports fields upgrades

Edinburg Research Building

Planning begins FEB 2027, opens DEC 2030.  
210,000 GSF



## RESEARCH

## LEARNING

## SUPPORT

## CONNECTIVITY

TIME

LOCATION

DEC 2030



New research building in  
Edinburg opens

210,000 GSF

Harlingen Academic Building

Planning begins DEC 2028, opens DEC  
2032.  
100,000 GSF

Edinburg Wellness Center Expansion

Planning begins AUG 2029, opens DEC  
2032.  
50,000 GSF

JAN 2030

JAN 2030

Planning begins for  
library expansions on  
campuses/sites

200,000 GSF

Planning begins for  
support services building

120,000 GSF

## RESEARCH

## LEARNING

## SUPPORT

## CONNECTIVITY

TIME

LOCATION

TYPE

McAllen Research Building  
Planning begins JAN 2029, opens DEC 2032.  
210,000 GSF

OCT 2031



McAllen Academic Expansion completed  
50,000 GSF

OCT 2031



Weslaco Academic Expansion completed  
50,000 GSF

NOV 2031



New Energy + Environment Research building in Weslaco opens  
210,000 GSF

DEC 2031



New office building opens  
35,000 GSF

Secondary Transit Network Expansion  
Phase II Planning begins JAN 2029, completed DEC 2032.

## RESEARCH

**2032**

Expenditure: \$150 million  
375 Principal Investigators  
878 PhD Graduates

## LEARNING

**2032**

UTRGV Enrollment:  
39,383 FTE  
18% Growth

## SUPPORT

**JAN 2032**

Edinburg recreation/sports  
fields upgrades complete

**MAR 2032**

Edinburg Wellness Center  
Expansion opens  
50,000 GSF

## CONNECTIVITY

**JUN 2032**

New support services  
building opens  
120,000 GSF

**SEP 2032**

Expand data HD network  
at all campus and off-  
campus sites

**SEP 2032**

New Brownsville  
recreation facility opens  
100,000 GSF

**DEC 2032**

New research building in  
McAllen opens  
210,000 GSF

**DEC 2032**

New Edinburg academic  
building opens  
100,000 GSF

**DEC 2032**

Library campus expansions  
open  
200,000 GSF

**DEC 2032**

Secondary transit networks  
expansion completed

TIME

LOCATION

**2032 UTRGV ACHIEVES RESEARCH UNIVERSITY STATUS**

**675K**

Learning (net sq. ft.)

**108K**

Research (net sq. ft.)

**166K**

Library (net sq. ft.)

**571K**

Office (net sq. ft.)

**137K**

Support (net sq. ft.)

2015 UTRGV reported figures, excludes approved projects in design or construction

# Space Prediction Methodology

## Background

### Background

In October 1992, the THECB approved the Space Projection Model for Higher Education Institutions in Texas. During 2016, to respond to the evolution of higher education, the THECB launched a process to determine new space prediction metrics and calculation methods. This resulted in four new models currently being assessed. It is unlikely that a new model will be agreed before Spring 2017, so in order to determine space requirements for UTRGV a hybrid model has been developed.

### Hybrid Model

The original Space Prediction Model determines the highest level of space requirement and has been used to set the maximum requirement. In consultation with UTRGV it was determined that the “3 Area Stratified” most accurately reflected their circumstances and was used to set the minimum requirement. The space requirement for UTRGV was set as the midpoint between the minimum and maximum predictions. One major impact of using the 3 Area Stratified model is that the area per student for learning space drops significantly once an Institution achieves Emerging Research University status. Where this occurs in the hybrid model, we have chosen to use the higher figure for space needs.

### Predictions

In working with UTRGV to develop the model to plan future building projects some important aspects emerged. In an effort to minimize capital expenditures, enrollment growth in the next five years would be accommodated by increases in utilization across UTRGV and renovations of existing Academic Hubs. Research growth over the next five years will be accommodated by the new facility at Doctors Hospital at Renaissance in McAllen, but major expansion will necessarily follow. The major space requirements identified by the model are in Library, office and support services. Significant expansion of these services is required immediately and progressively over the next fifteen years to keep pace with growth in research, enrollment, and spatial decentralization. Increases in office space are distributed in new buildings for the other categories, plus administration. Requirements for student union and recreation / wellness projects have been determined by using national benchmarks as these typologies are not covered by the space prediction model.

Hybrid THECB Space  
Projection Model

*In collaboration with UTRGV, CannonDesign investigated the four alternative Space Projection models currently under consideration by the THECB. It was determined that the 3 Area Stratified Method most closely fit UTRGV's circumstances and the table below compares the two calculation methodologies.*

TIME

LOCATION

ENROLLMENT	
Starting Point: FTSE Fall 2015 by Division and Program Area	
Existing THECB Method (Maximum requirement)	Stratified 3 Method (Minimum requirement)
Undergraduate	Research / Emerging Research
Program area 1 90 SF/FTSE	Program areas 1&2 73 SF/FTSE
Program area 2 75 SF/FTSE	Program area 3 29 SF/FTSE
Program area 3 60 SF/FTSE	Program area 4 22 SF/FTSE
Program area 4 45 SF/FTSE	
Economy of scale	
>15,000 FTSE: Factor of .98 is used for the first 1,000 FTSE above 15,000. Factor decreases .02 for each increase of 1,000 FTSE.	

## LEARNING

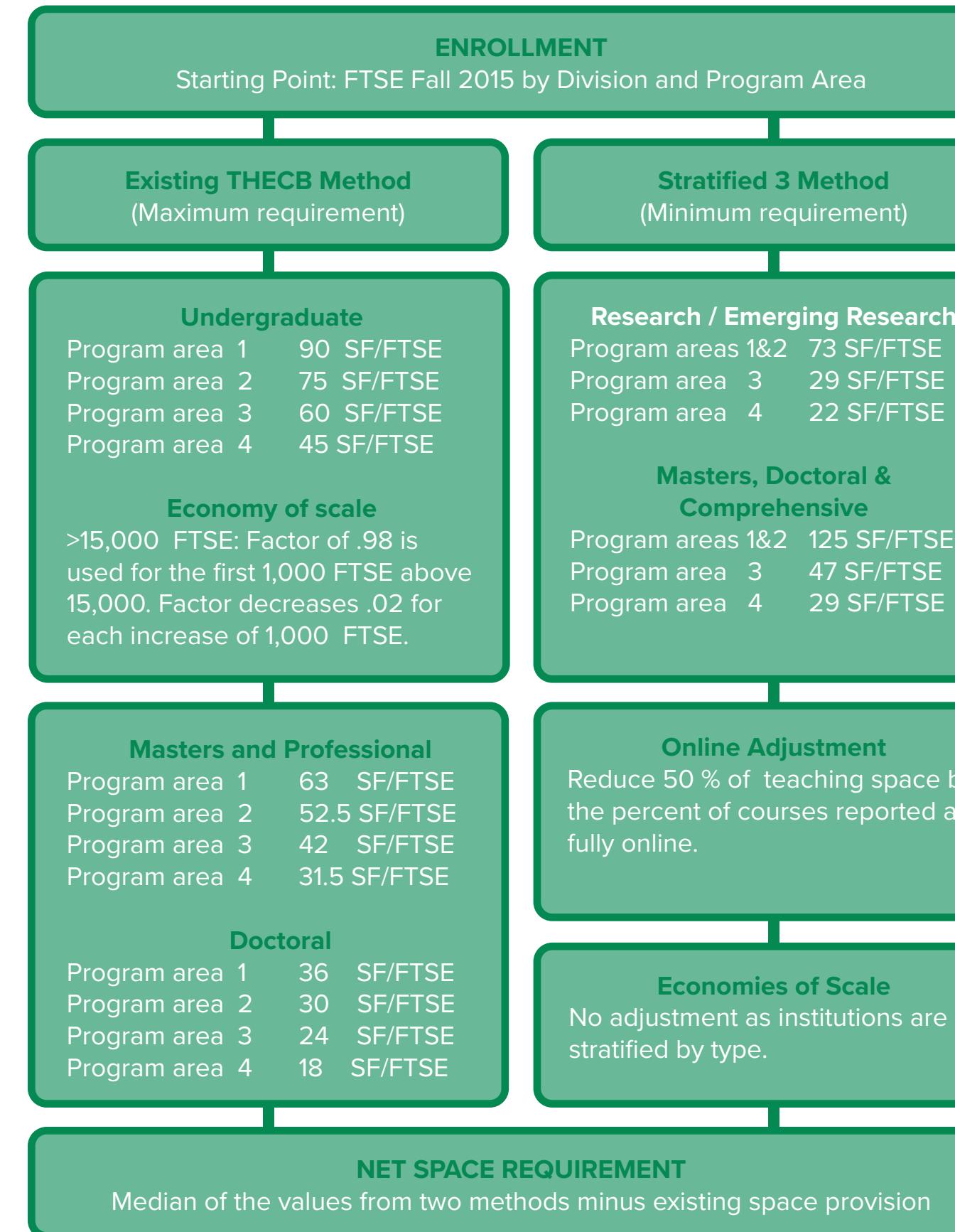
A full-time-student equivalent (FTSE) for Fall 2015 was provided to the team, reported for each of 4 program areas and course level based on credit hours.

In the THECB models teaching space is assigned to one of four different programmatic areas based on space requirements. (See <http://www.thecb.state.tx.us/reports/pdf/1215.PDF> page II-5) The NASF is calculated by multiplying the FTSE for each program area and level by the corresponding NASF per FTSE. Adjustments for economies of scale and online learning are applied.

## Extrapolation

The Design Team collaborated with UTRGV to determine increases in student enrollment for





**LEARNING**

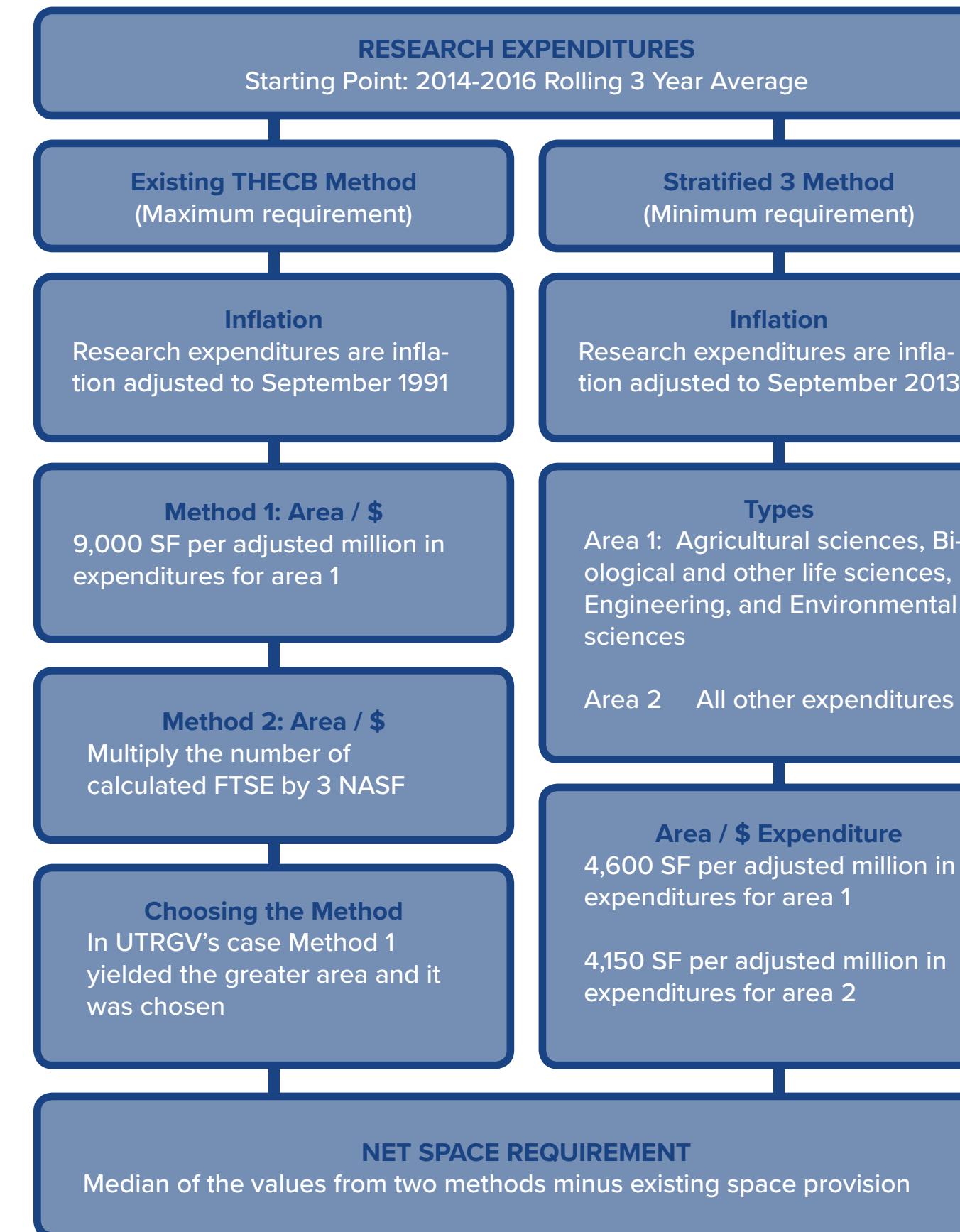
A full-time-student equivalent (FTSE) for Fall 2015 was provided to the team, reported for each of 4 program areas and course level based on credit hours.

In the THECB models teaching space is assigned to one of four different programmatic areas based on space requirements. (See <http://www.thecb.state.tx.us/reports/pdf/1215.PDF> page II-5) The NASF is calculated by multiplying the FTSE for each program area and level by the corresponding NASF per FTSE. Adjustments for economies of scale and online learning are applied.

**Extrapolation**  
The Design Team collaborated with UTRGV to determine increases in student enrollment for the program areas and course levels for 2022, 2027 and 2032. Area for offices was added to the calculation to create total project building areas.

**Observations**  
By comparing the two methods it was observed that universities with a large undergraduate population in less intensive programs receive reduced space provision in the 3 Area Stratified method. There is also a significant drop in space provision when an institution receives emerging research status. At this point it was decided to use the higher of the two values.

TIME

**RESEARCH**

Average reported research expenditures for 2014, 2015 and 2016 were provided to the Design Team. These were then adjusted for inflation and by the multiplication factors to arrive at the space requirement.

**Extrapolation**

The Design Team collaborated with UTRGV to determine increases in research expenditures for 2022, 2027 and 2032. Research expenditures include the expenditures reported in the institution's Annual Financial Report (AFR) plus any foundation or 501c3 and TEES pass-through expenditures reported on the Annual Research Expenditures Report to the Coordinating Board.

Area for offices (from the offices calculation) totalling 25% of the net project area was added to the research space requirement to create fully functional research building project allocations. 20% of research area allocation was used to predict core facilities needs.

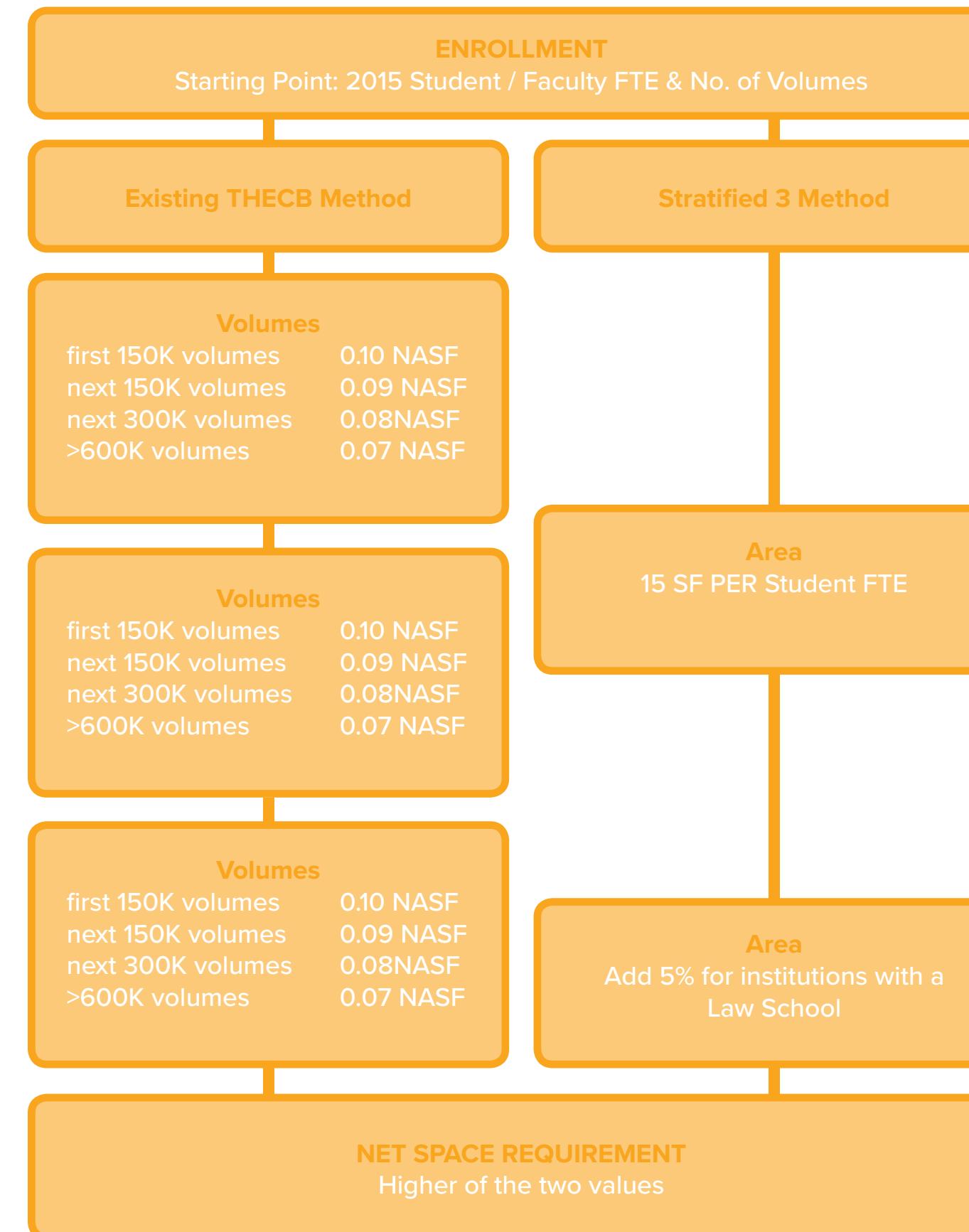
**Observations**

By comparing the two methods it was observed that for small research expenditures the 3 Area Stratified method resulted in a small amount of difference to the existing model, however for larger expenditures of Emerging Research and Research Universities, the 3 Area Stratified method provides significantly less area.

TIME

TYPE

LOCATION

**LIBRARY**

A full-time-student equivalent (FTSE) for Fall 2015, the faculty FTE total, together with estimates for number of volumes in the UTRGV collection was provided to the team.

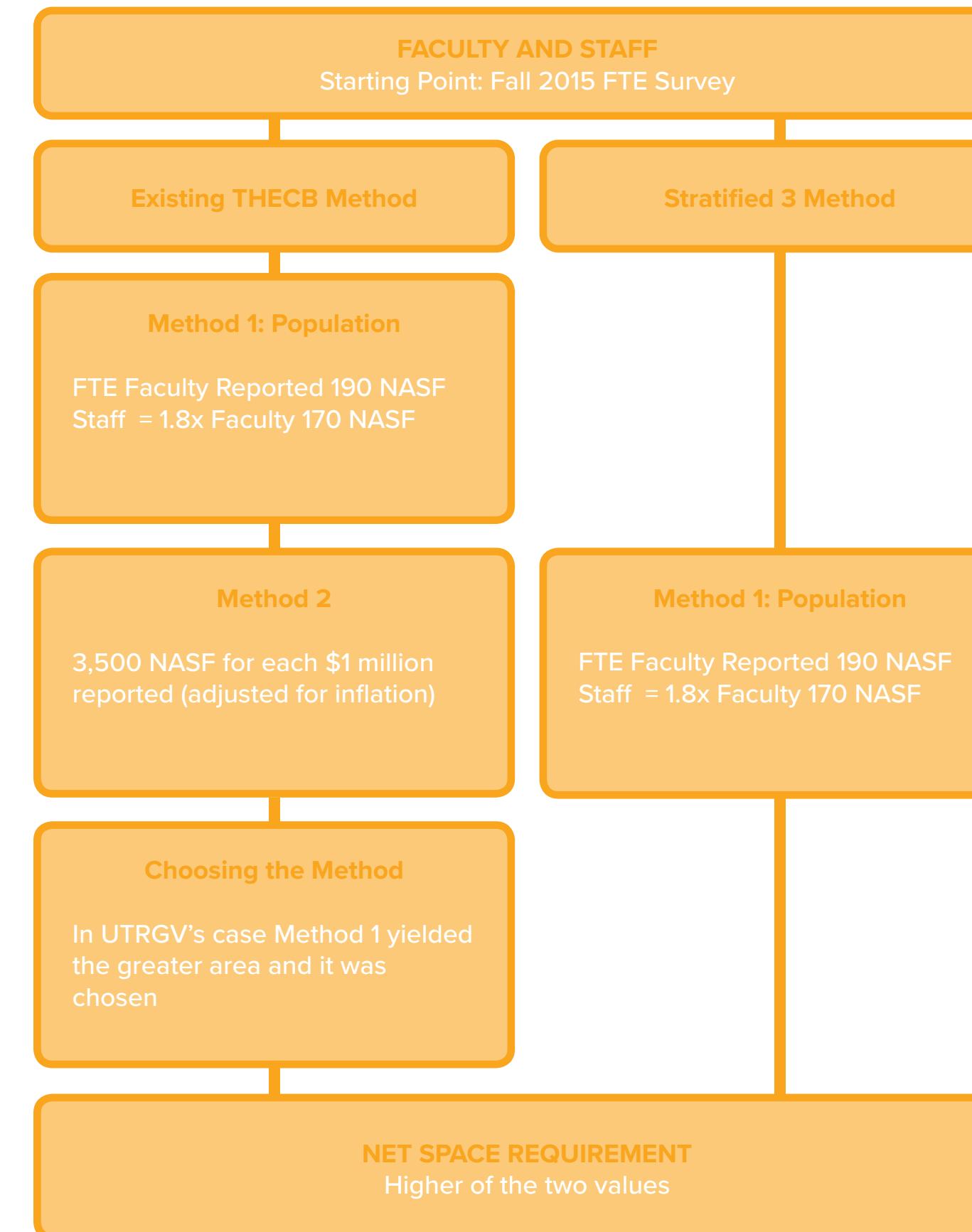
**Extrapolation**

The Design Team collaborated with UTRGV to determine increases in enrollment and Faculty population.

Area for offices (from the offices calculation) totalling 10 - 20% of the net project area was added to the library space requirement to create fully functional building project allocations. Lower figure applies to book repositories and later expansion projects. Higher figure to allow for student services in hybrid projects.

**Observations**

By comparing the two methods it was observed that the stratified three model provided about 15-20% increased area over the original THECB methodology and this number was chosen.

**OFFICE**

A full-time equivalent (FTE) for faculty and staff in Fall 2015 was provided to the team.

**Extrapolation**

The Design Team collaborated with UTRGV to determine increases in enrollment and Faculty population by maintaining a staff to faculty ratio of 2:1. and a student to faculty ratio of 20:1.

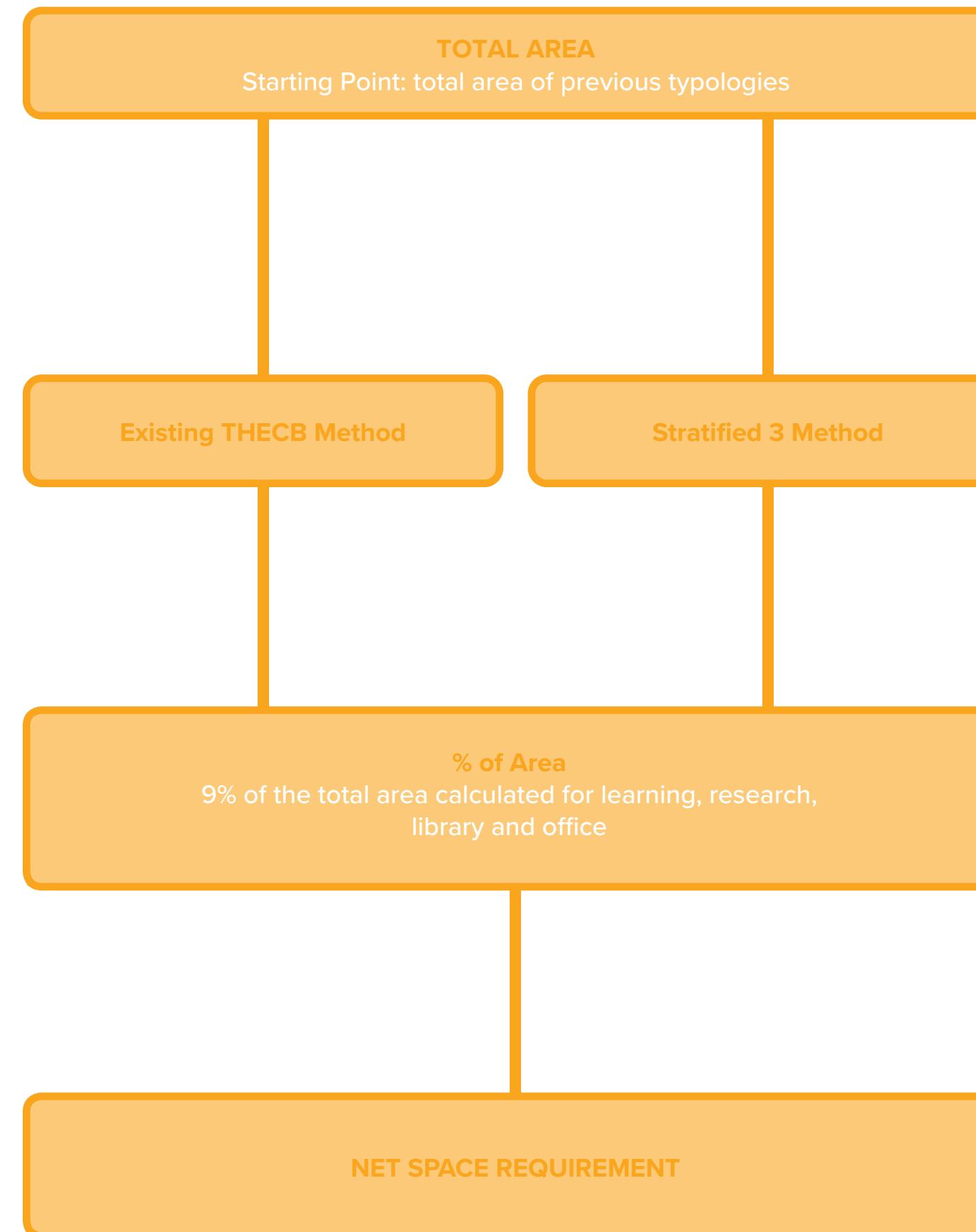
To create realistic building project sizing, the following area for offices from this calculation was added to other typologies:

- 10 - 20% of the net project area added to the library space requirement,
- 25% of the net project area added to the research space requirement
- 5% of the net project area added to the support space requirement
- 15 - 30% of the net project area added to the learning space requirement, decreasing as research grows.

The remaining area was used to determine University Administration and Business functions office projects.

**Observations**

By comparing the two methods it was observed that the stratified three model provided about 15-20% increased area over the original THECB methodology and this number was chosen.



## OPERATIONAL SUPPORT

Based on a percentage of the total net area calculated for learning, research, library and office

## Extrapolation

The percentage of area calculated at each of the three phases

## Observations

There is no difference between the two models

TYPE	LOCATION
1	1
1	2
1	3
1	4
1	5
1	6
2	1
2	2



## Space Prediction Methodology

### Recreation & Unions

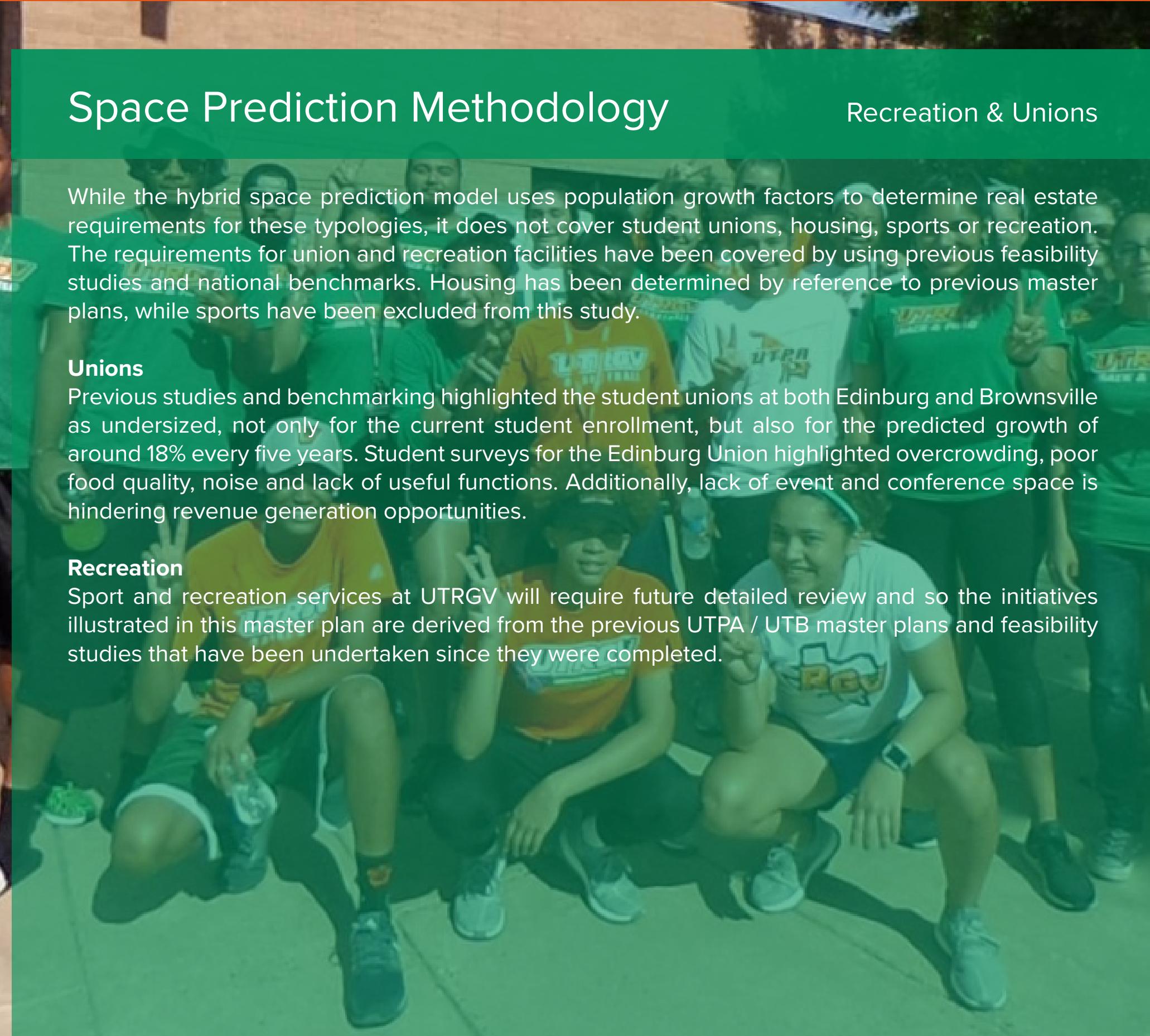
While the hybrid space prediction model uses population growth factors to determine real estate requirements for these typologies, it does not cover student unions, housing, sports or recreation. The requirements for union and recreation facilities have been covered by using previous feasibility studies and national benchmarks. Housing has been determined by reference to previous master plans, while sports have been excluded from this study.

#### Unions

Previous studies and benchmarking highlighted the student unions at both Edinburg and Brownsville as undersized, not only for the current student enrollment, but also for the predicted growth of around 18% every five years. Student surveys for the Edinburg Union highlighted overcrowding, poor food quality, noise and lack of useful functions. Additionally, lack of event and conference space is hindering revenue generation opportunities.

#### Recreation

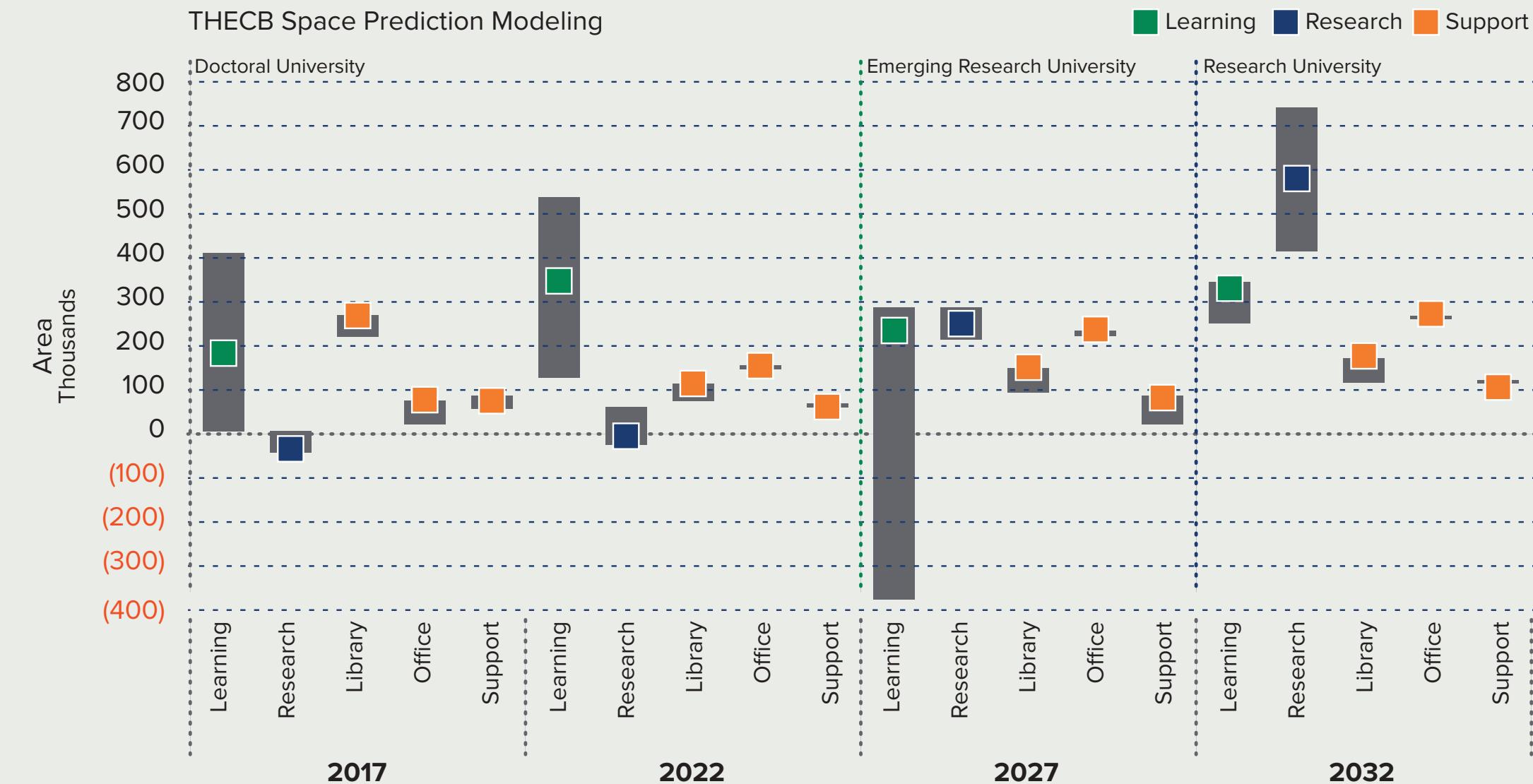
Sport and recreation services at UTRGV will require future detailed review and so the initiatives illustrated in this master plan are derived from the previous UTPA / UTB master plans and feasibility studies that have been undertaken since they were completed.



TIME

TYPE

LOCATION



Largest spread of 400k nsf between models is in Learning. Major shortfalls in Learning (176k nsf) and Library (339k nsf) and Offices (268k nsf) provision. Smaller shortfalls in Office (72k nsf) and support (77k nsf). Research surplus of 22k nsf.

Largest spread of 400k nsf between models is in learning. Major demand in learning (155k nsf) provision. Smaller demand in Library (116k nsf) and Support (62k nsf). Research surplus of 7k nsf due to Doctors Hospital at Renaissance Facility completing construction.

Largest spread of almost 700k nsf between models is in Learning due to shift to Emerging Research status. Major demand in Library (230k nsf), Learning (230k nsf) and Support (230k nsf). Research surplus of 7k nsf due to Doctors Hospital at Renaissance Facility completing construction.

Spread of almost 330k nsf between models is in Research. Major demand in Research (577k nsf) and Offices (155k nsf) provision. Smaller demand in Offices (269k nsf), Library (174k nsf) and Support (109k nsf).

# Space Prediction Methodology

## Research Classification

### The Pursuit of Excellence: Universities Accountability Peer Group Categories

UTRGV wishes to pursue a path of continuously improving excellence. A strategy for carrying out that goal relies on the selection of institutional targets and status benchmarks against which progress can be measured. Over the next 15 years UTRGV intends to rise in stature and achieve ranking in the following Universities Accountability Peer Group Categories as defined by the Texas Higher Education Coordinating Board. The following chart summarizes the requirements for each category:

State of Texas University & Funding Classifications				
Type / Requirement	Doctoral	Emerging Research	National Research University Fund	Research University
Notes	Meet 3 of 4 Criteria UTRGV Today		Texas State Funding to achieve Tier 1	Texas Tier 1 equivalent
Number of Awarded PhDs	2 year rolling average	> 10	> 10	> 10
Restricted Research Expenditures	2 year rolling ave. inflation adjusted	> \$20m	> \$30m	> \$45m
Number of Doctoral Research Programs		> 5	Comprehensive Range (> 10 Disciplines)	Comprehensive Range (> 15 Disciplines)
Number of Doctoral Research Students		> 150	> \$30m	No Requirement
Endowment				> \$400m

**Sources**  
Revised Act Peer Category Criteria July 25, 2013  
National Research University Fund Eligibility Report, FY 2014

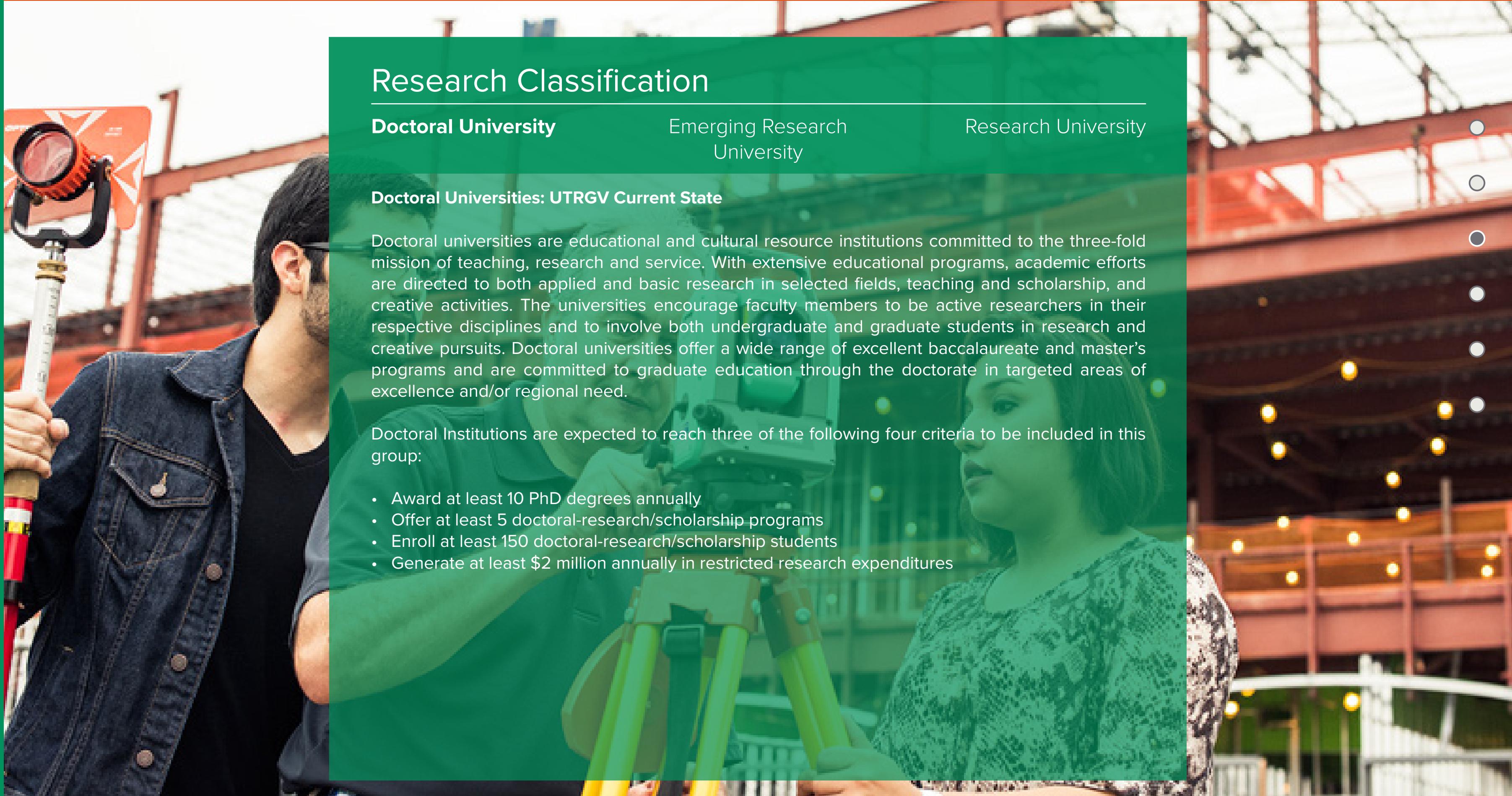
**Notes**  
Tier 1 does not exist as a single standard.  
Carnegie Classification, rank in the Center for Measuring University Performance (TARU) report & membership in the Association of American Universities (AAU) are considered the best indicators.



TIME

LOCATION

TYPE



## Research Classification

### Doctoral University

### Emerging Research University

### Research University

#### Doctoral Universities: UTRGV Current State

Doctoral universities are educational and cultural resource institutions committed to the three-fold mission of teaching, research and service. With extensive educational programs, academic efforts are directed to both applied and basic research in selected fields, teaching and scholarship, and creative activities. The universities encourage faculty members to be active researchers in their respective disciplines and to involve both undergraduate and graduate students in research and creative pursuits. Doctoral universities offer a wide range of excellent baccalaureate and master's programs and are committed to graduate education through the doctorate in targeted areas of excellence and/or regional need.

Doctoral Institutions are expected to reach three of the following four criteria to be included in this group:

- Award at least 10 PhD degrees annually
- Offer at least 5 doctoral-research/scholarship programs
- Enroll at least 150 doctoral-research/scholarship students
- Generate at least \$2 million annually in restricted research expenditures



TIME

LOCATION

## Research Classification

Doctoral University

**Emerging Research University**

Research University

### Emerging Research University - UTRGV 2027

Emerging Research universities are educational, scientific, engineering, business and cultural resource centers committed to the threefold mission of teaching, research and service. As universities with extensive educational programs, academic efforts are directed to applied and basic research in selected fields, teaching and scholarship, and creative activities. The universities encourage faculty members to be active researchers/creators in their respective disciplines and to involve both undergraduate and graduate students in research and creative pursuits.

Emerging Research universities are expected to:

- Offer a comprehensive range of excellent undergraduate and graduate programs
- Award at least 30 PhD degrees annually, based on a rolling average of two consecutive years of degree production
- Generate at least 20% of the research universities' criteria for restricted research expenditures (20% of \$150 million, adjusted for inflation), as determined by a rolling two-year average

TYPE

## Research Classification

## Doctoral University

# Emerging Research University

## Research University

Research University - 2032 Stat

Research universities provide a broad range of undergraduate, graduate and professional programs, place a greater emphasis on research than universities in other groups, and serve their regions, the state, and beyond. Excellent undergraduate education is a central function, but a significantly higher proportion of these institutions' students are enrolled in graduate and professional programs than is the case in Master's, Comprehensive, Doctoral, or Emerging Research universities.

## Research universities are expected to:

- Offer a comprehensive range of excellent undergraduate and graduate programs
- Award 200 or more PhD degrees annually, based on a rolling average of two consecutive years of degree production
- Generate at least \$150 million annually in restricted research expenditures, adjusted for inflation, based on a rolling two-year average (a baseline of \$150 million in September 2013 will be adjusted for inflation each subsequent September using the CPI-U index)

TYPE

## Capital Projects Overview

Learning

5

**Capital Project Drivers**  
Enrollment 26,383 FTE  
Research \$40 M

Utilization Improvements  
+10%  
Harlingen Renovation  
99 ksf  
AIME Site Expansions

Research

10

**Capital Project Drivers**  
Enrollment 32,420 FTE  
Research \$77.5 M

Utilization Improvements  
+10%  
Brownsville, Edinburg & Harlingen  
Expansion 250 ksf  
AIME Site Expansions

Support

15

**Capital Project Drivers**  
Enrollment 39,373 FTE  
Research \$150 M

Utilization Improvements  
+10%  
Brownsville, Edinburg & Harlingen  
Expansion 300 ksf  
AIME Site Expansions

Connect

10

**Capital Project Drivers**  
Enrollment 26,383 FTE  
Research \$40 M

Utilization Improvements  
+10%  
Harlingen Renovation  
99 ksf  
AIME Site Expansions

Doctors Hospital at Renaissance  
83 ksf  
Complete McAllen Advanced Manufacturing  
40 ksf

Harlingen Health Sciences  
130 ksf  
Port Isabel Coast and Oceans  
130 ksf

Brownsville Interdisciplinary  
210 ksf  
Edinburg Interdisciplinary  
210 ksf

15

**Capital Project Drivers**  
Enrollment 32,420 FTE  
Research \$77.5 M

Utilization Improvements  
+10%  
Brownsville, Edinburg & Harlingen  
Expansion 250 ksf  
AIME Site Expansions

Library Book Repository  
100 ksf  
Brownsville & Edinburg Library Expansion  
300 ksf  
Admin. & Support Services Buildings

Harlingen Library Expansion  
50 ksf  
Brownsville & Edinburg Library Expansion  
130 ksf  
Admin. & Support Services Buildings

Library Expansions  
200 ksf  
Admin. & Support Services Buildings  
155 ksf  
Brownsville Recreation Center

15

**Capital Project Drivers**  
Enrollment 39,373 FTE  
Research \$150 M

Utilization Improvements  
+10%  
Brownsville, Edinburg & Harlingen  
Expansion 300 ksf  
AIME Site Expansions

Edinburg - Brownsville Transit Connected  
HD Data Network links all locations

Transit Hubs - all Campuses/sites  
and Academic Hubs

Transit Expansion into secondary networks  
HD Data Network links all locations

TIME

LOCATION

Capital Projects Timeline

Transformation in the first five years is focused on maximizing expansion for the lowest capital outlay while bringing the student experience up to an acceptable level.

Enrollment expansion is accomplished by improvements in productivity and renovations at existing locations. Research expansion is more than covered by the McAllen Doctors Hospital at Renaissance public-private partnership research building.

The THECB space prediction model together with national university benchmarking has determined that after learning facilities, Library, student services and support services require significant investment to bring them up to acceptable standards.

By year ten enrollment growth will be accommodated by a 100,000 sqft expansion at Harlingen, plus additional expansions at Academic Hubs and the transformation of the AIME sites for traditional as well as community focused learning. Investments in student services, library and support services will keep pace with academic growth.

During this period UTRGV will have achieved Emerging Research University status and its growth in research expenditures will justify two new research buildings.

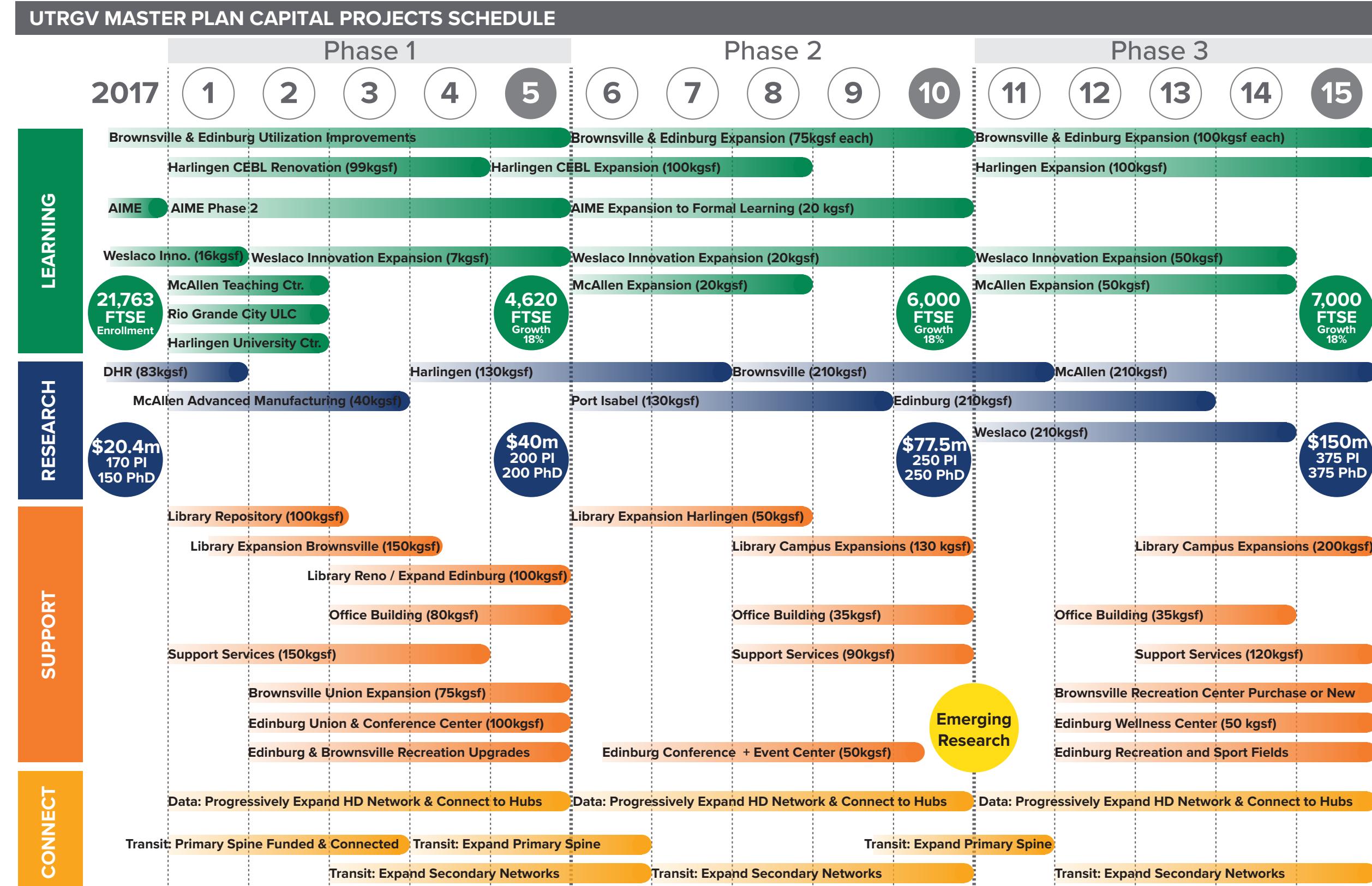
Enhanced connectivity between campuses/sites will be facilitated by an increasingly efficient bus rapid transit net-work coupled with the construction of transit hubs at the campuses/sites and academic hubs.

Years ten to fifteen will see enrollment growth accommodated by further expansion at the main academic locations, together further productivity improvements. Investments in student services, library and support services will keep pace with academic growth.

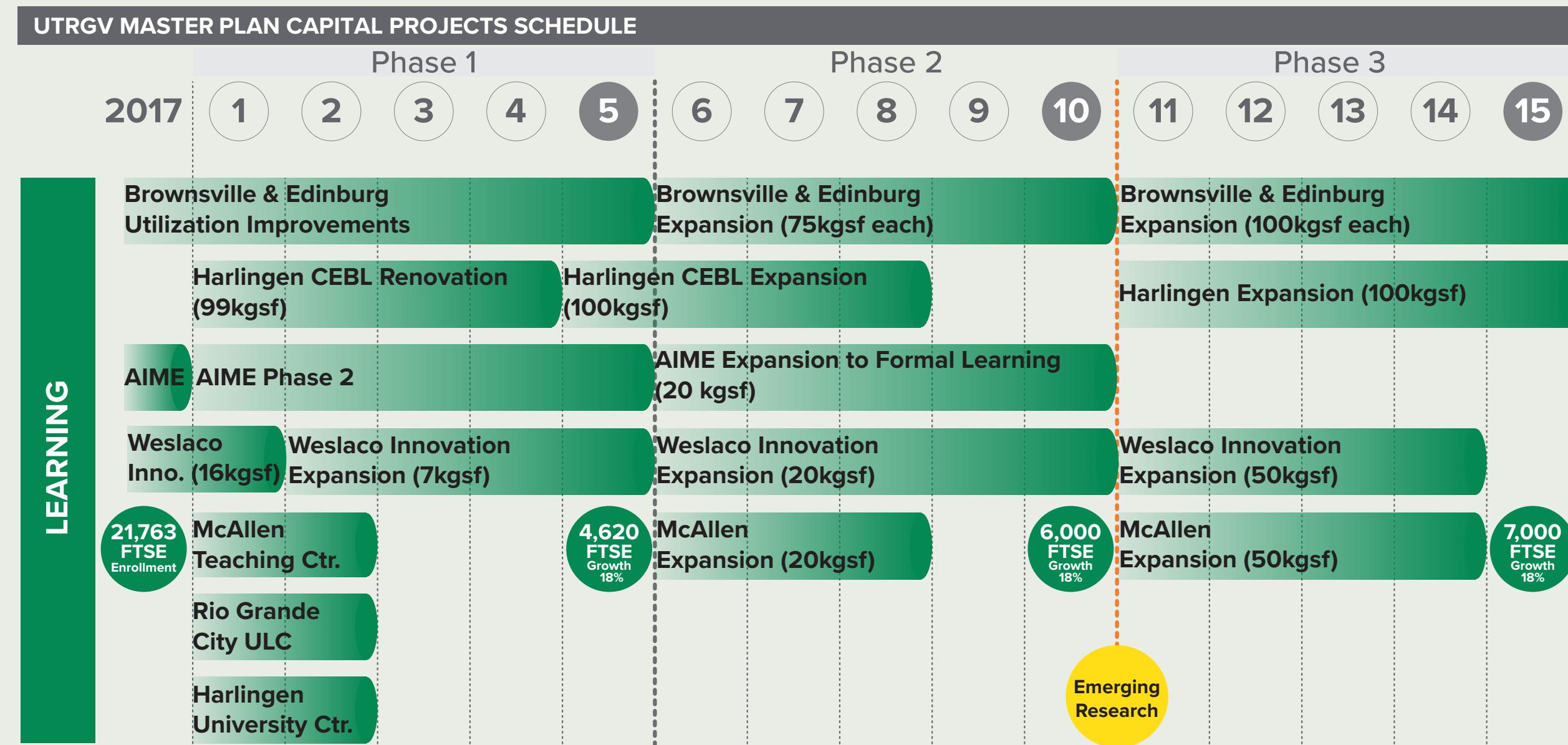
During this period, growth in research expenditures and productivity improvements will be sufficient for UTRGV to achieve Tier One or Research University status. This will pave the way for significant investment in research facilities across the Valley.

Transit and data connectivity will be expanded to all primary and secondary locations as UTRGV achieves its goal of successful decentralized delivery across the valley.

## Capital Projects Schedule



## Capital Projects Schedule

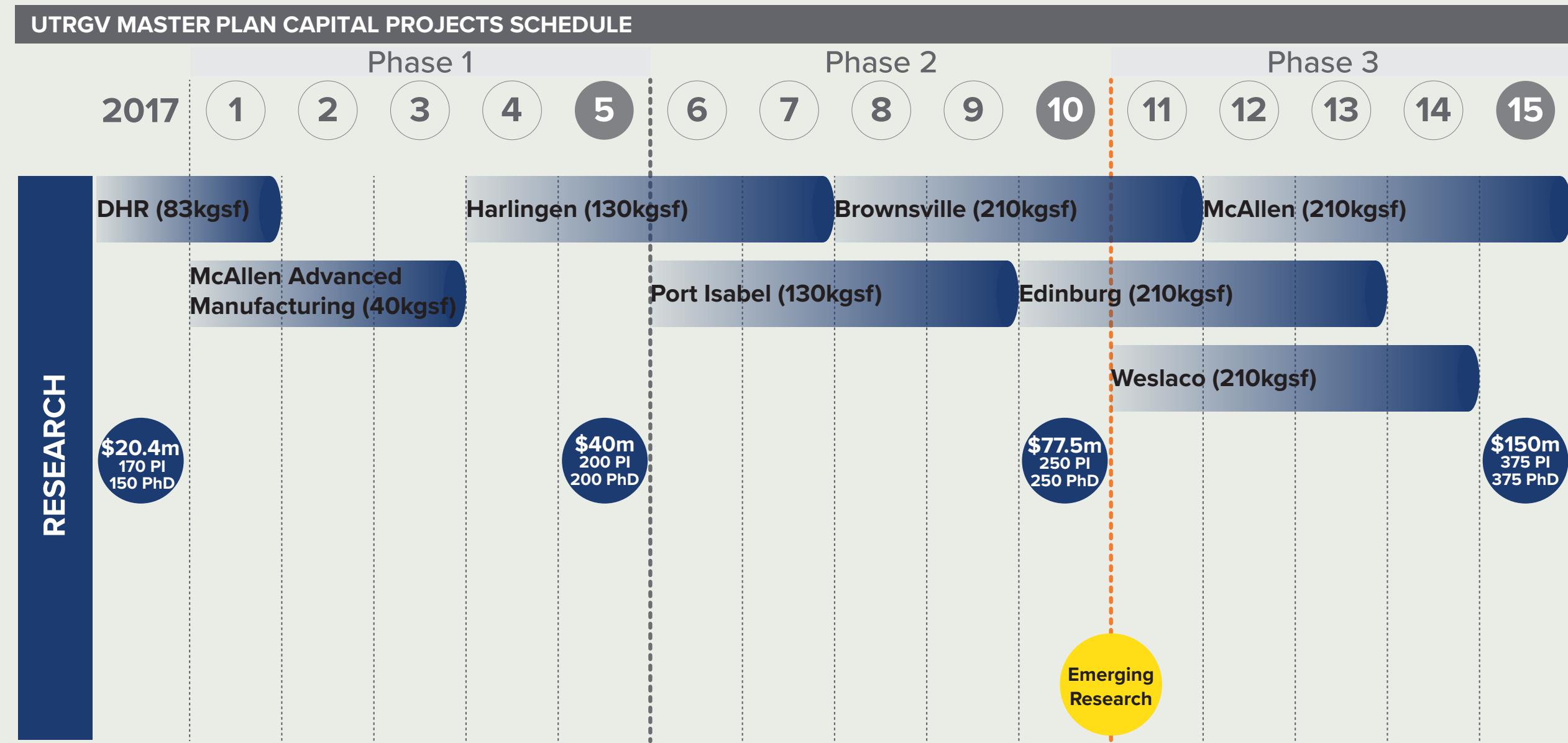


Years 0-5 are focused on leveraging existing resources and accommodating the 18% enrollment growth target at existing locations through improvements in efficiency and utilization and by targeted renovations at the Academic Hubs.

Years 5-10 are focused on targeted expansions across all locations. Major emphasis will be on growth in Harlingen as a center for Interprofessional health sciences education.

Years 10-15 see a continuation of the expansions and perhaps relocations to consolidate enrollment growth in strategic locations.

## Capital Projects Schedule

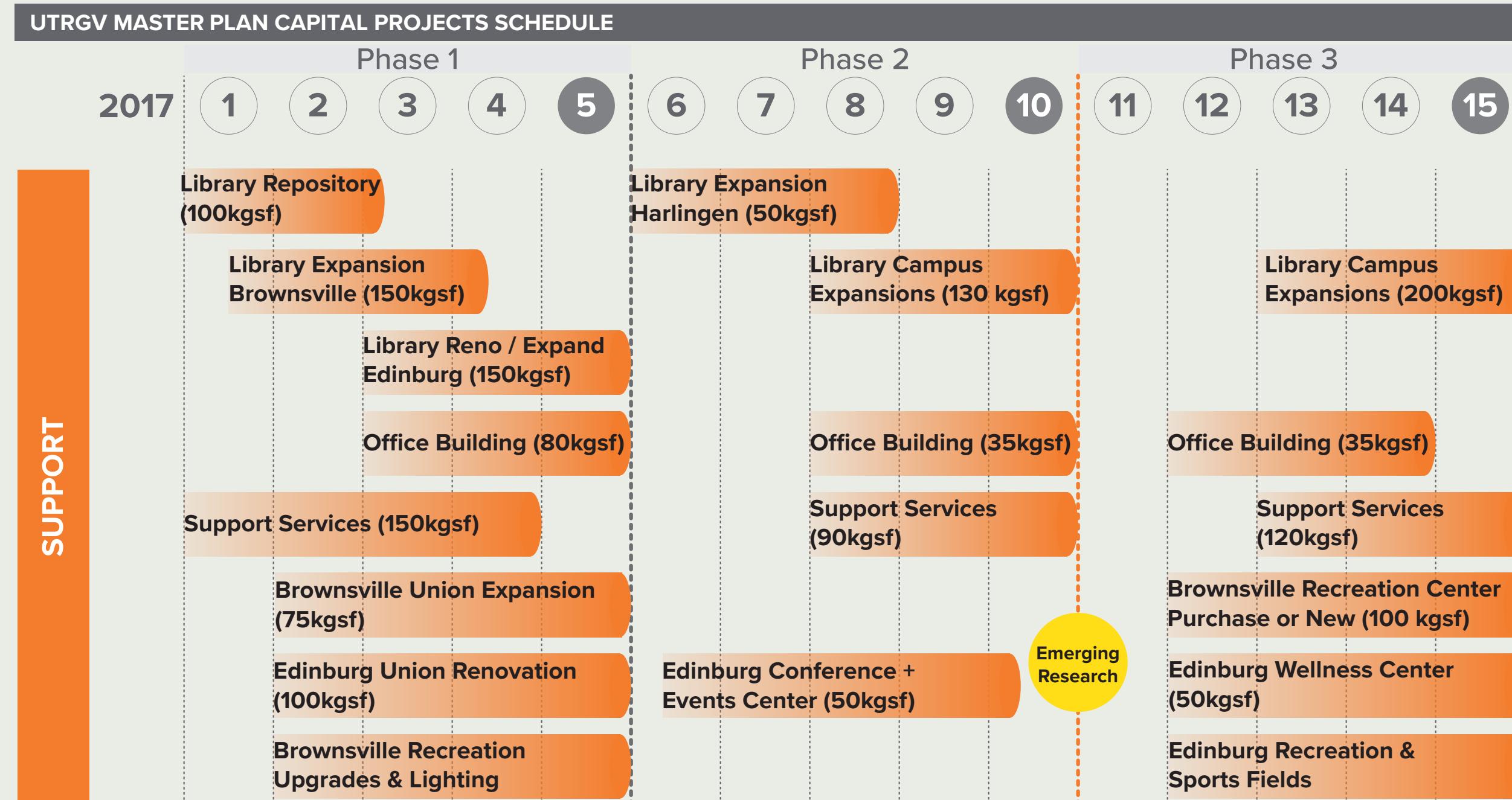


Years 0-5 are focused on consolidation of the research enterprise, developing theme based practices at its existing locations and growth in health sciences research at McAllen.

Years 5-10 as research expenditures double and Emerging Research status is achieved, we will see Interprofessional research expansion at Harlingen in parallel with learning facilities expansion. There will be a mixed-use learning and research facility created at Port Isabel.

Years 10-15 as research expenditures double again and as UTRGV heads towards Research University status, new research projects facilities will be required to accommodate increased numbers of new faculty hires at Brownsville, Edinburg, McAllen and Weslaco.

## Capital Projects Schedule

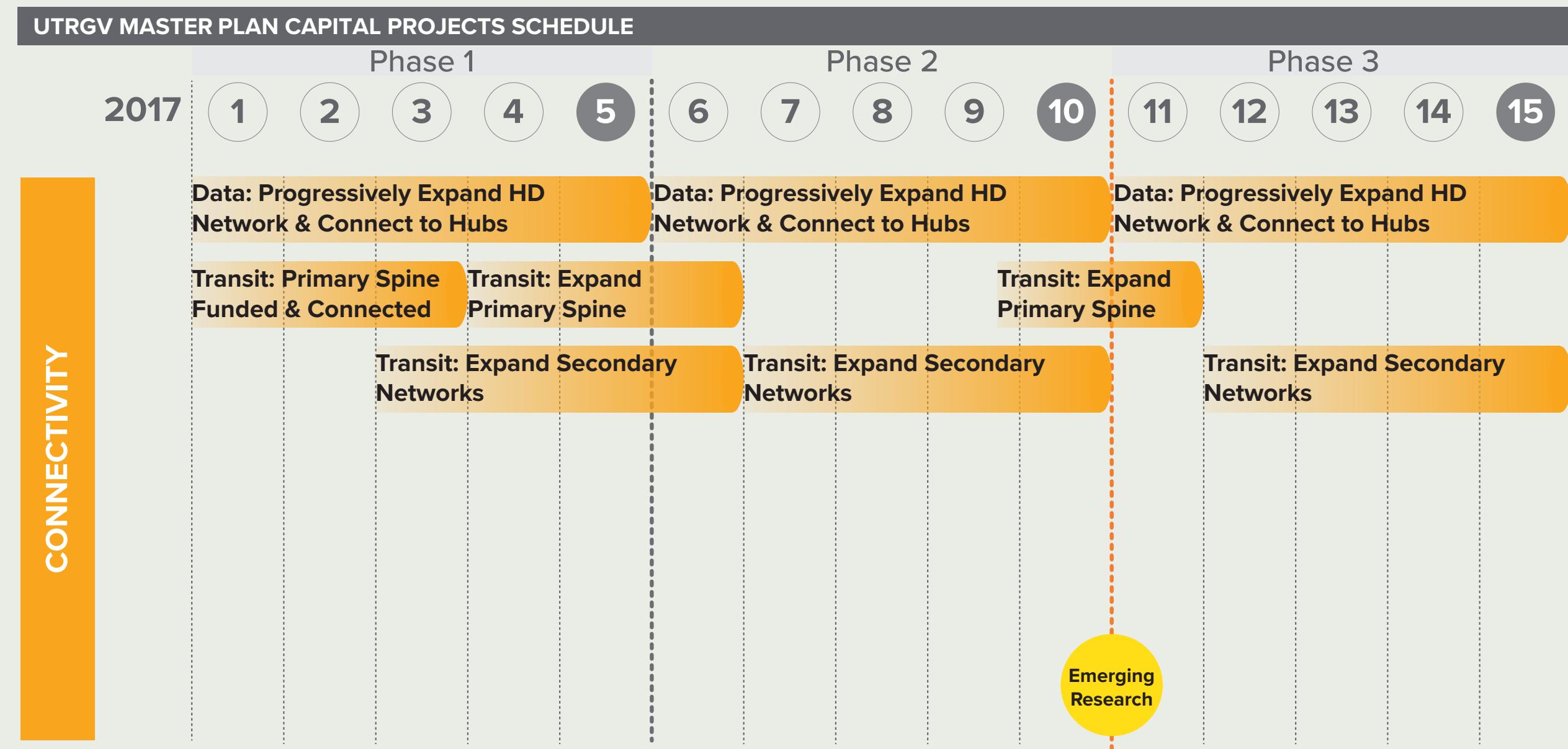


Years 0-5 are focused on catching up on previous shortfalls in libraries and Unions, engaging with enrollment growth and consolidating administrative / operational support.

Years 5-10 build on previous consolidation to match enrollment growth and changes in academic practice for libraries and student services.

Years 10-15 match enrollment expansion with targeted developments.

## Capital Projects Schedule



Years 0-5 envision expansion of data and transit networks to fully connect and support demand in all UTRGV locations. Leadership and planning of the bus rapid transit is undertaken and Federal Funding applications are made.

Years 5-10 see implementation and expansion of the primary and secondary bus rapid transit system networks including park and ride installations at campuses/sites. Data networks are progressively updated to match demand.

Years 10-15 see progressive expansion of both transit and data networks to match locational demands.

## Strategic Initiatives Overview



Successful transformation resides in a team with the empowerment to take on the development of facilities as well as business and operations planning. An enhanced planning team that was involved with both the Master Plan and Strategic Plan would be ideal. Proof of concept would take the form of an economic impact assessment.

The first six months following master plan completion should be focused on the creation of a detailed enrollment and research growth models, coupled with a hiring plan for the staff, teaching and research faculty required to achieve the targets.

In parallel, resource planning is required to support the increasing student body in the new decentralized structure. Detailed planning for the delivery of library, student, administrative and sports / recreation services will be required at this time.

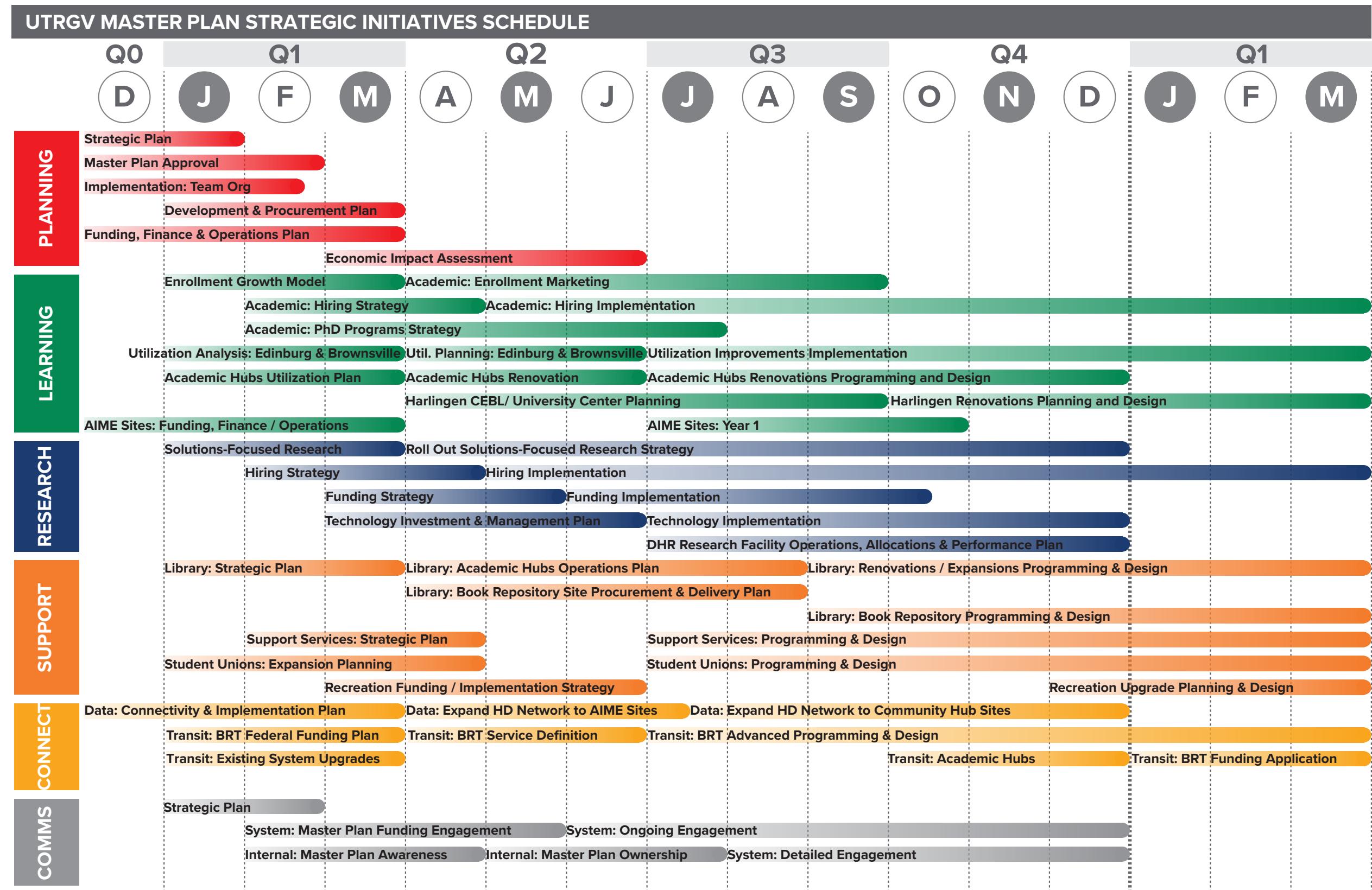
Connectivity enhancements will require the University to take the primary leadership role in the planning of an enhanced Bus Rapid Transit system.

The second six months is a period of detailed implementation. Prioritization during the planning process will enable progressive roll out of an enrollment growth plan linked to the marketing of the soon to be enhanced Academic Hubs. Performance improvements in learning delivery synchronized with the hiring of new faculty and staff will allow growth and performance targets to be focused on defined locations at defined times.

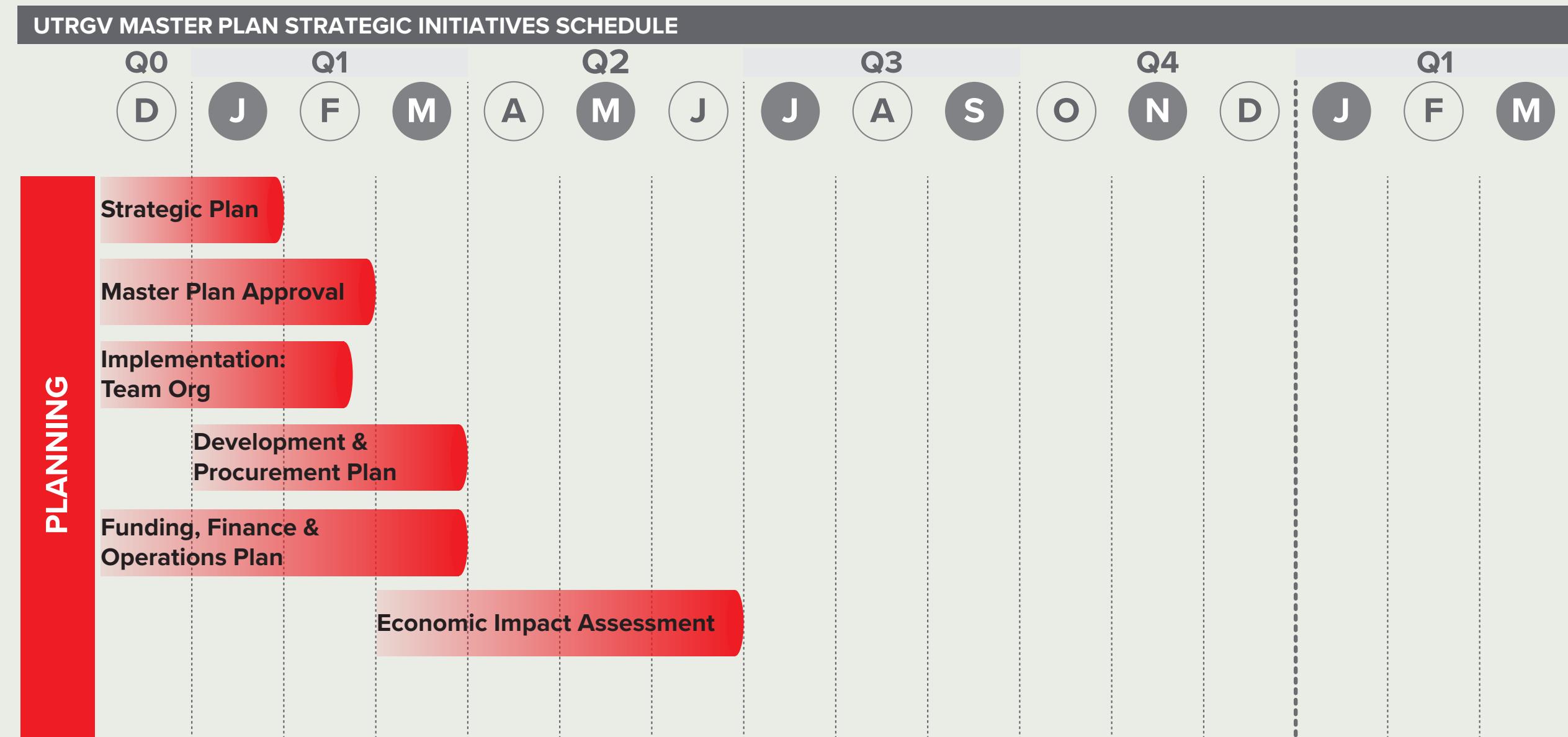
Research growth depends on the hiring of new Principal Investigators and their teams. With the advent of the Doctors Hospital at Renaissance research laboratory facility at McAllen, there is the opportunity to test new concepts in research operations, space allocations and performance expectations of this facility's occupants.

Following the creation of a plan to obtain Federal funding for the expansion of the Bus Rapid Transit system it will be essential for the University to extend its leadership role to organize and manage the various partners and ensure that the submittal is successfully delivered and implemented.

## Strategic Initiatives Schedule

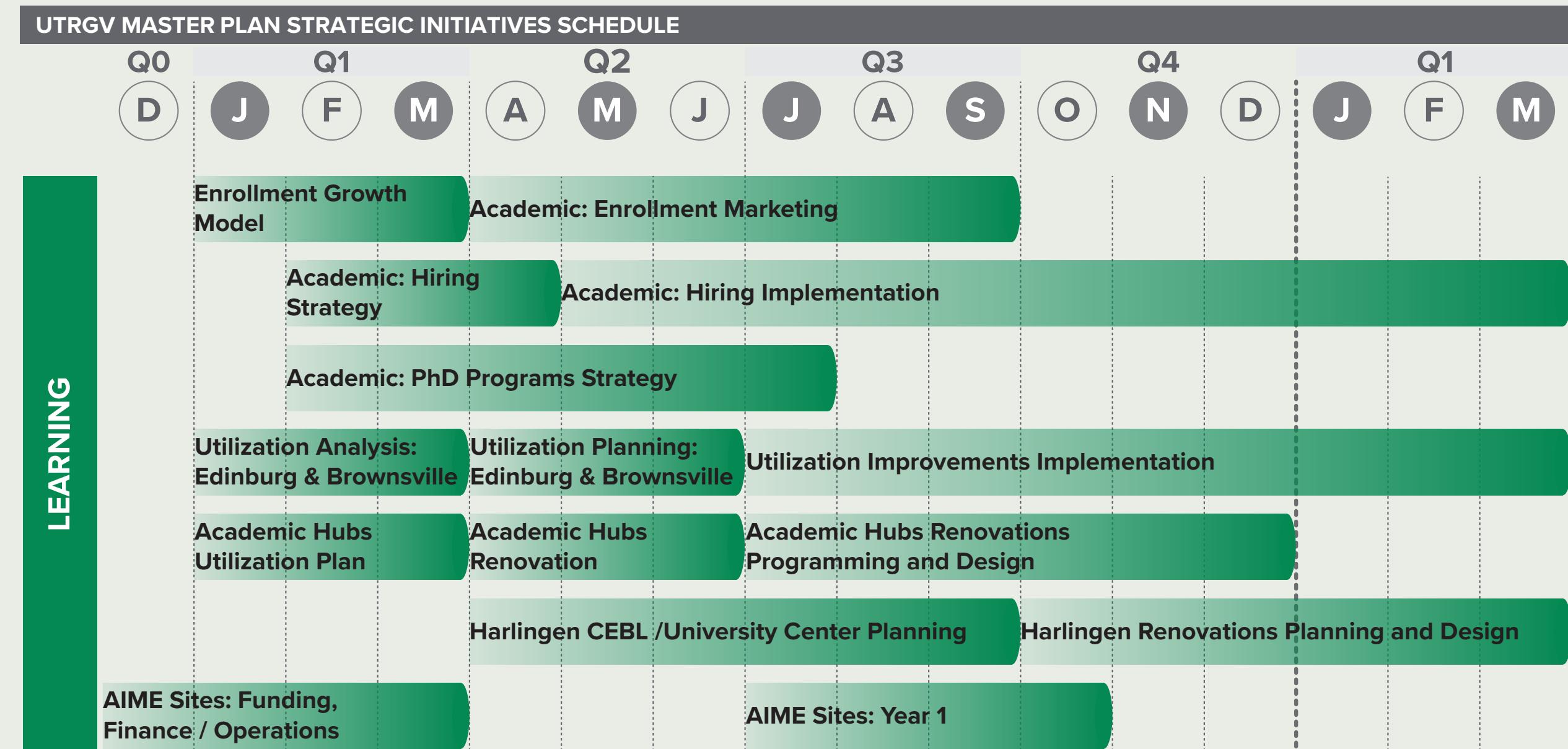


## Strategic Initiatives Schedule



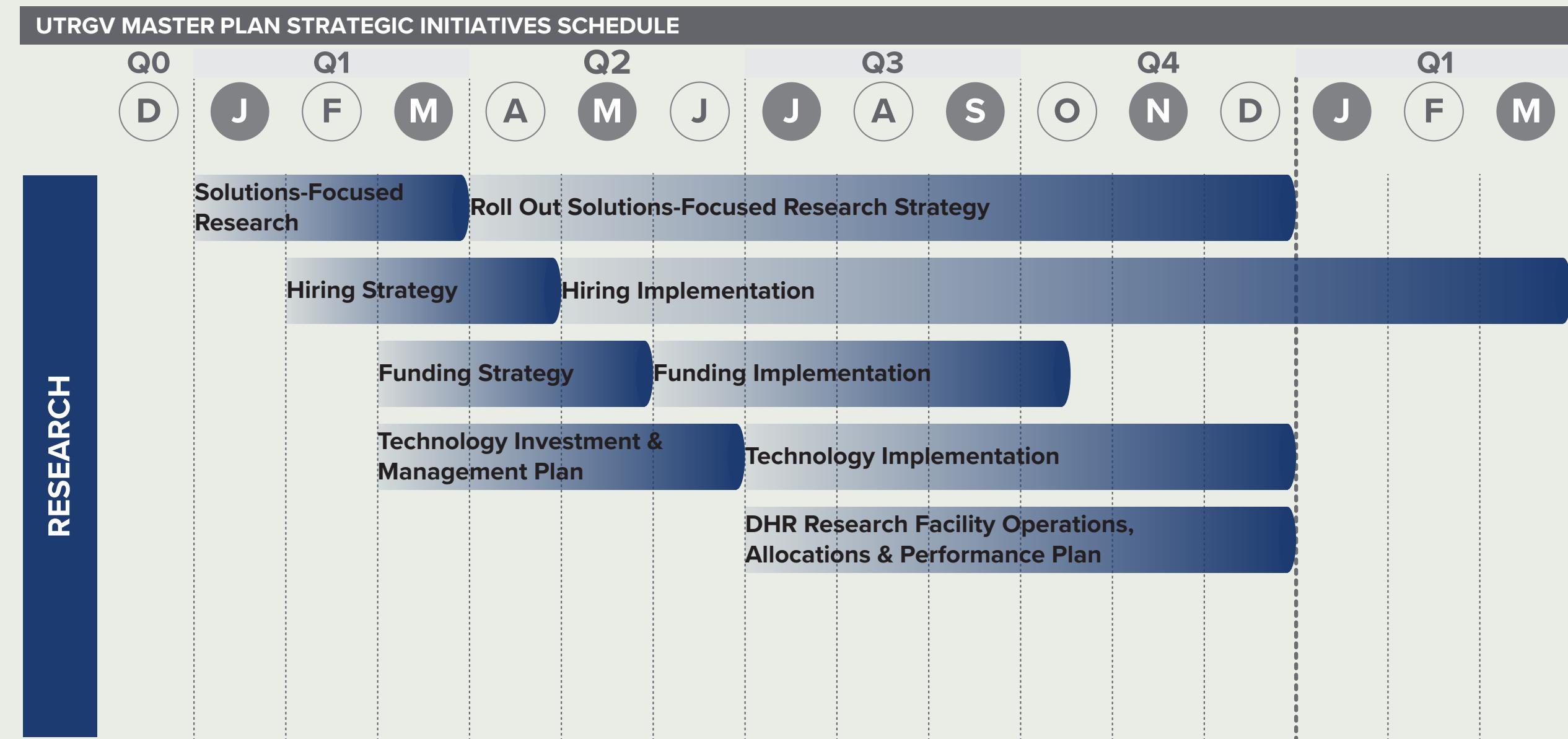
The UTRGV Strategic Plan was approved in the 2nd quarter of 2017 and it is anticipated the Master Plan will receive approval during the 3rd quarter of 2017. In parallel with these approvals, and in order to maintain the impetus of UTRGV's transformation, it will be necessary to create an implementation team with leadership of sub groups in learning, research, support services and connectivity. First tasks include the development of funding and finance plans and development and procurement plans. An economic assessment will also provide more evidence of UTRGV's commitment to

## Strategic Initiatives Schedule



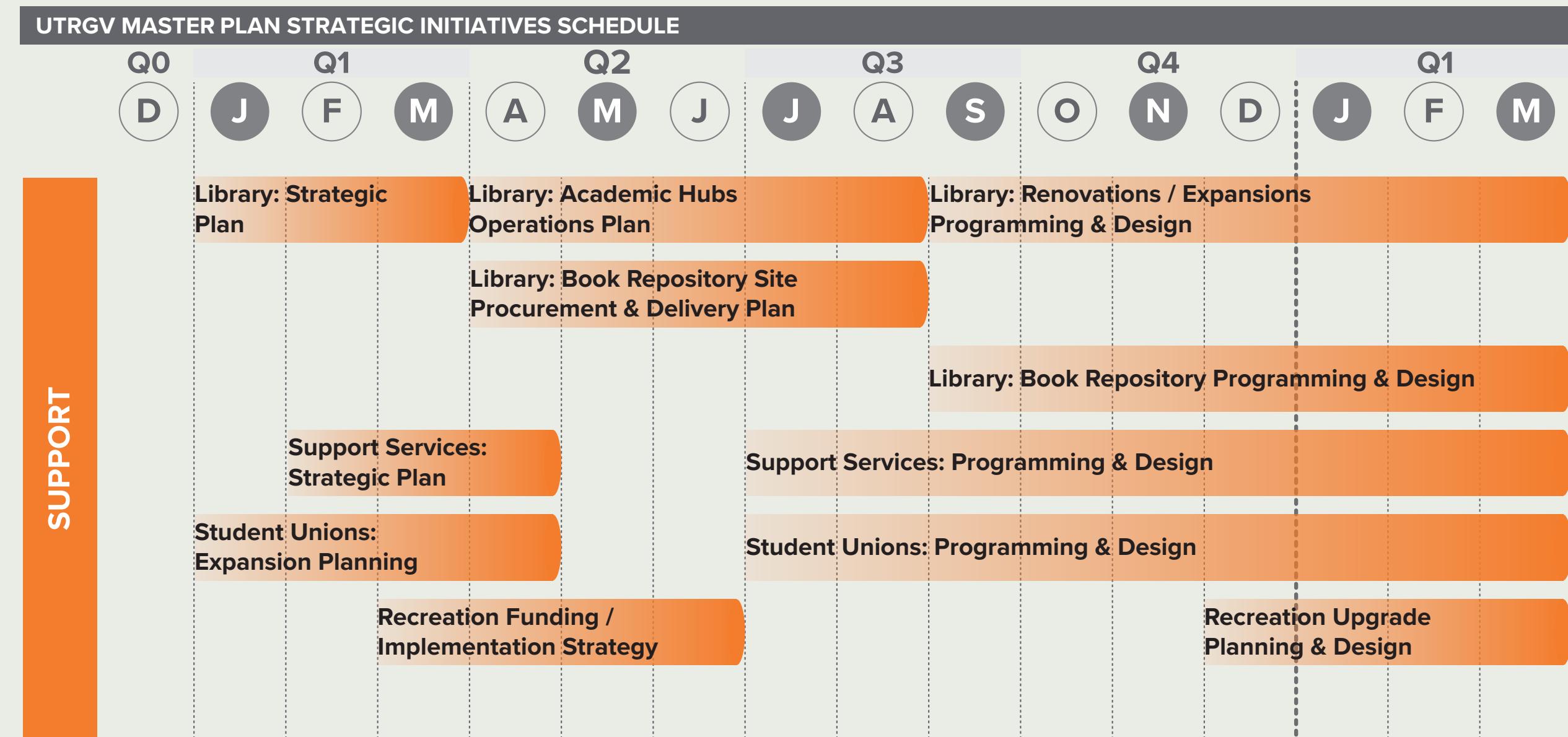
The Learning Initiatives team will develop a detailed enrollment model for each of the campuses/sites and academic hubs, together with a PhD program expansion plan. This would be integrated with utilization improvement, academic hub renovation and marketing plans to ensure that growth targets can be met with efficient learning delivery in all locations.

## Strategic Initiatives Schedule



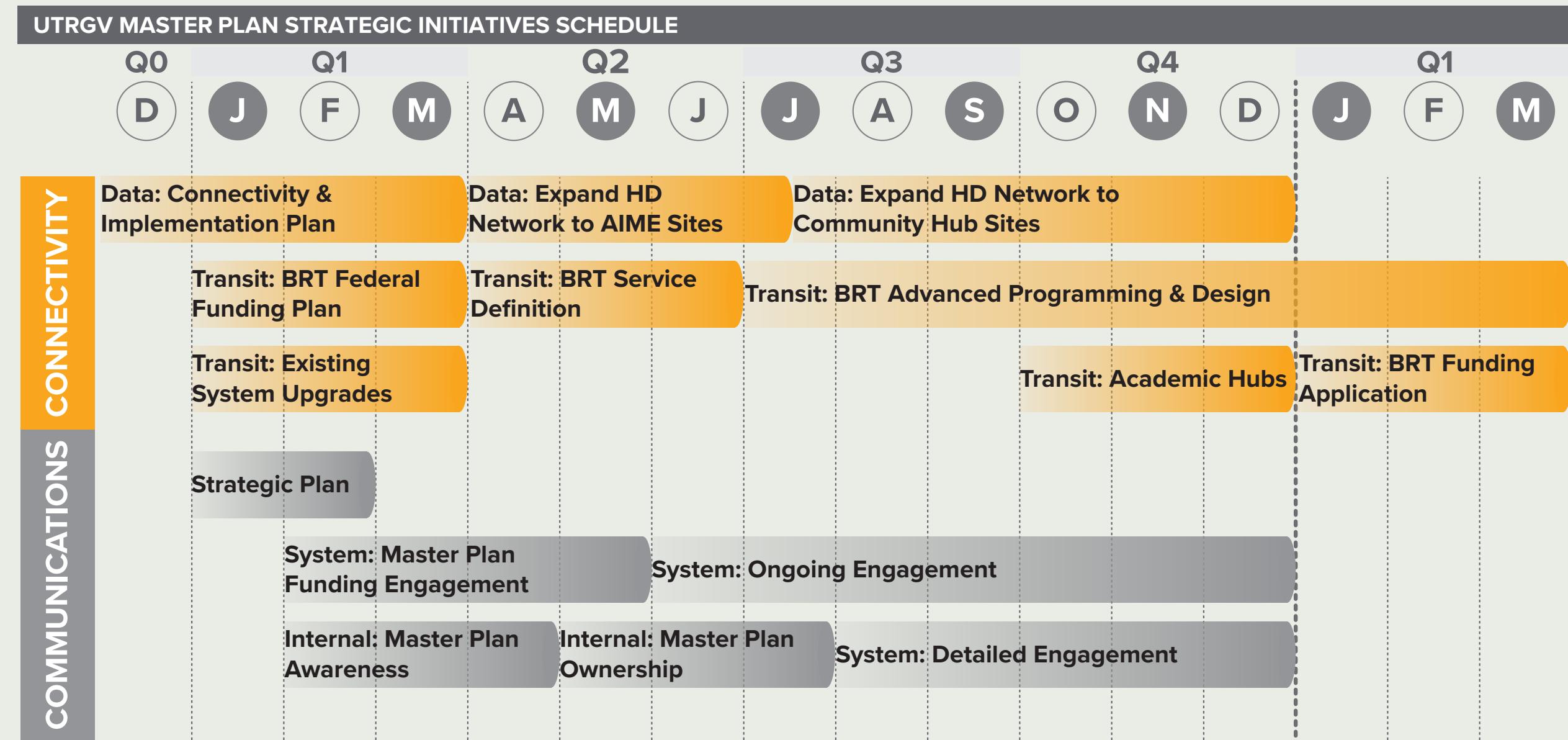
It is envisioned that the Division of Research, Innovation, and Economic Development will reorganize to focus on solutions focused interdisciplinary research. It will create and implement integrated funding growth and hiring strategy plans aimed at achieving the aggressive targets for doubling research expenditures over the next five years.

## Strategic Initiatives Schedule



A Library strategic plan will enable the development and implementation of initiatives that align new services, new skill sets with new space types and expansion of learning and research. Likewise, plans for student unions, support services and administration will enable detailed assessment and implementation of new operation methodologies for the decentralized UTRGV.

## Strategic Initiatives Schedule

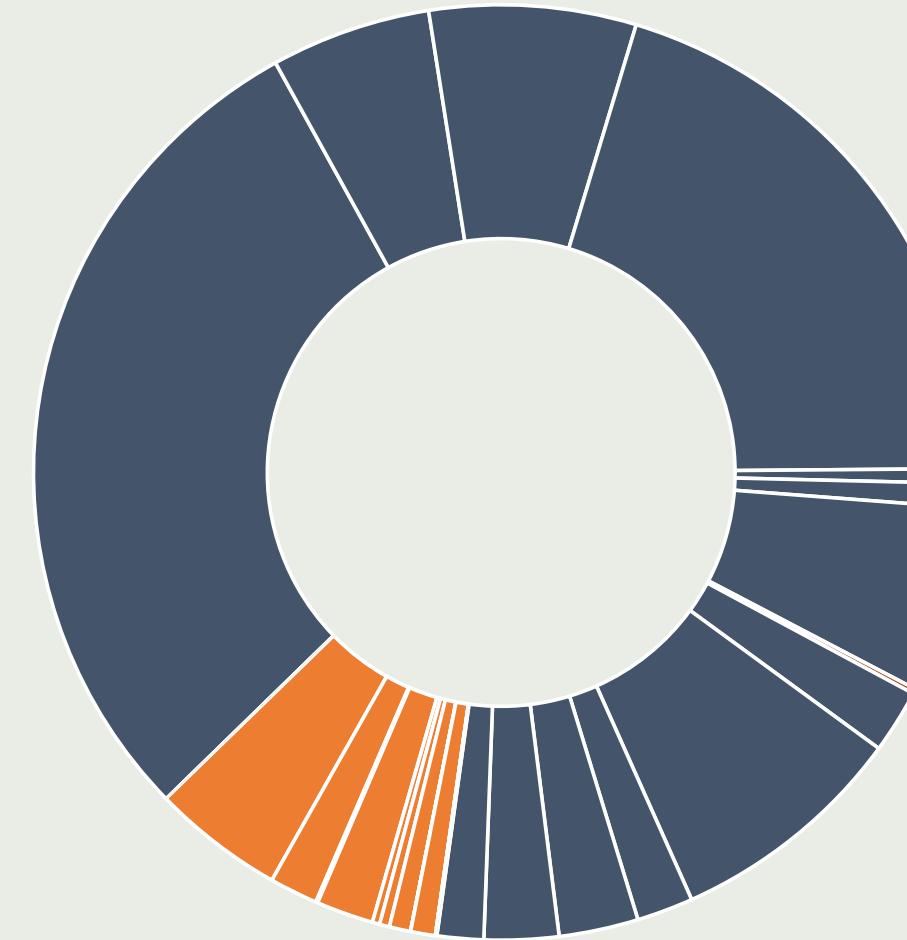


**Connectivity:** The existing transit network is experiencing rapidly growing demand and during the first quarter will require upgrades and expansion. In parallel, UTRGV will take the leadership role in the planning and implementation of the bus rapid transit network. Data network planning and implementation is already advanced and roll out of improved networks to all locations will continue as planned.

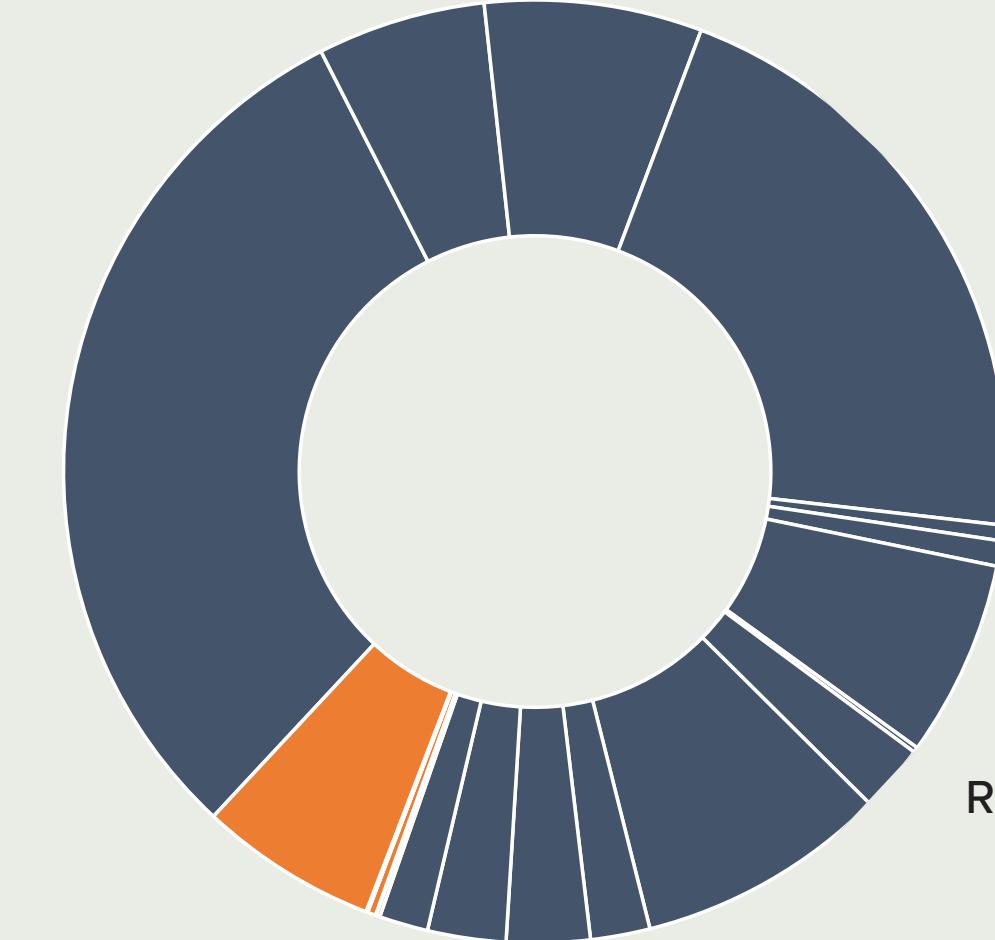
**Communications:** Any plans are only as good as their level of communication. It is therefore imperative that a plan for outreach to the wider community is developed and implemented simultaneously with engagement with the UT System, and internally with UTRGV stakeholders.

TIME

2017



2032

Owned Leased

## Total Capacity

### Today + 2032

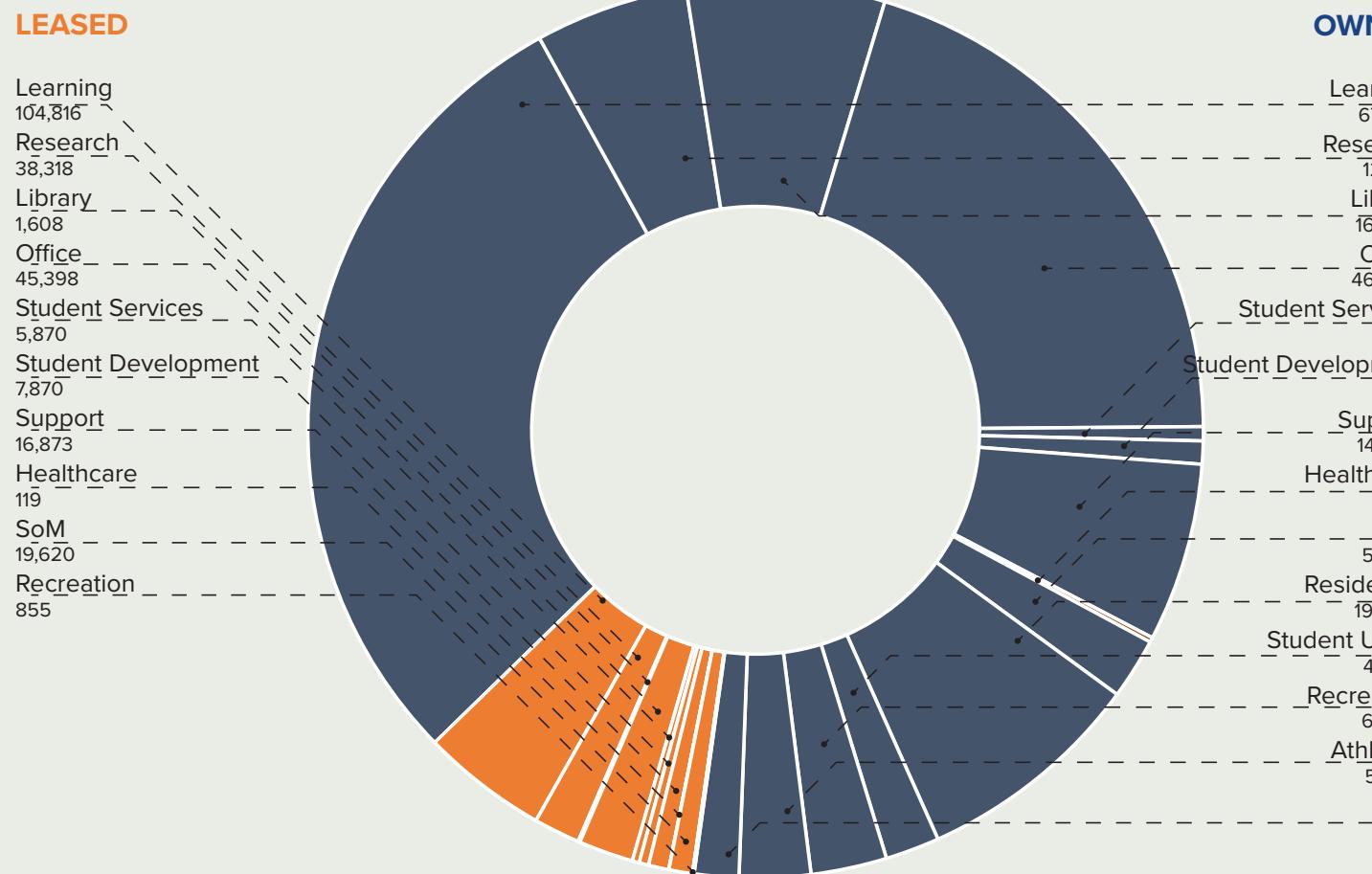
The current capacity of UTRGV's real estate holdings is represented by a range of ownership types; from leased to owned space including a variety of use agreements with local communities. As a portfolio of space, the university is positioned to leverage these real estate assets to expand its presence across the Valley in a meaningful way over time.

LOCATION

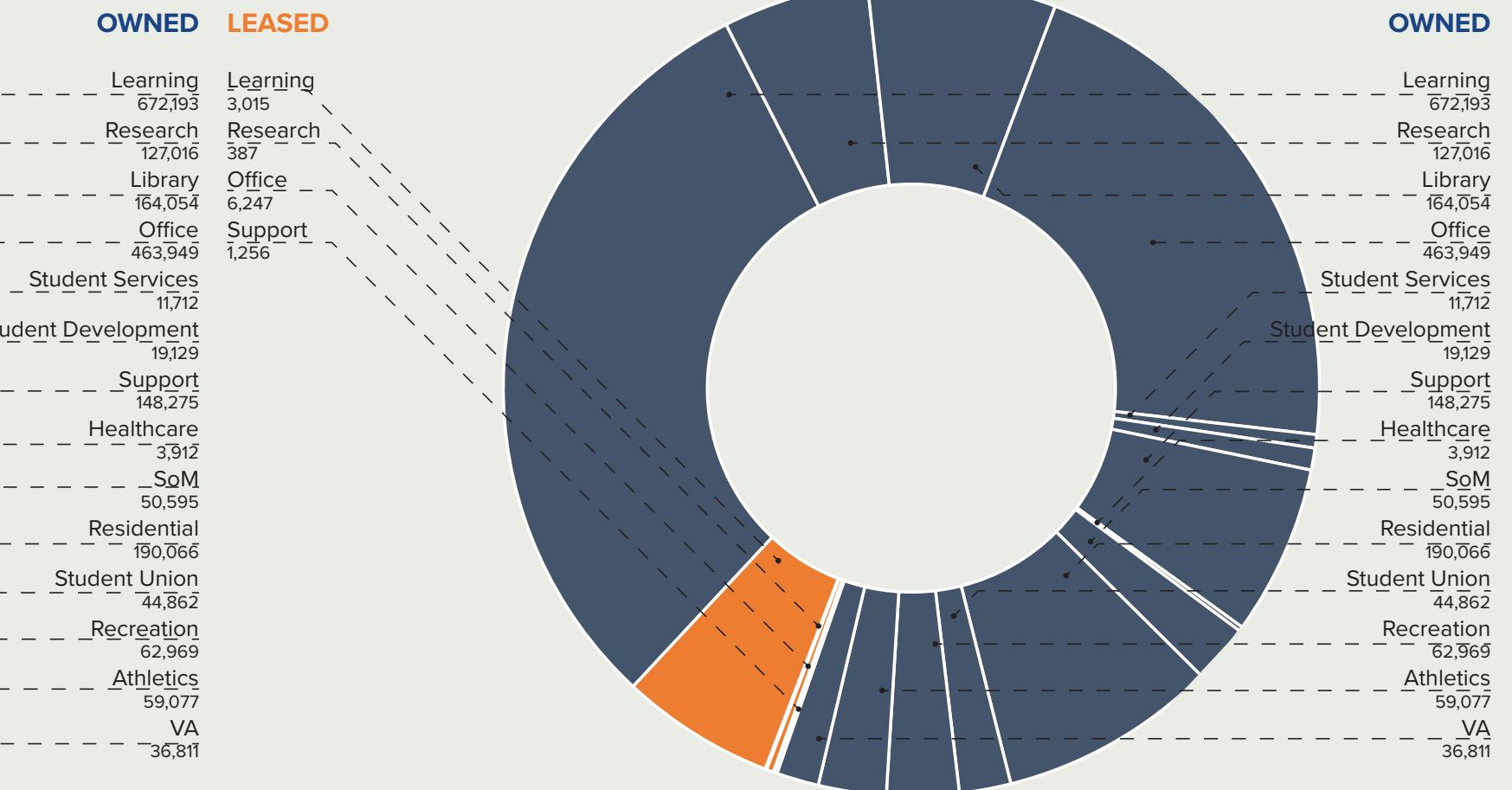
TYPE

TIME

2017



2032

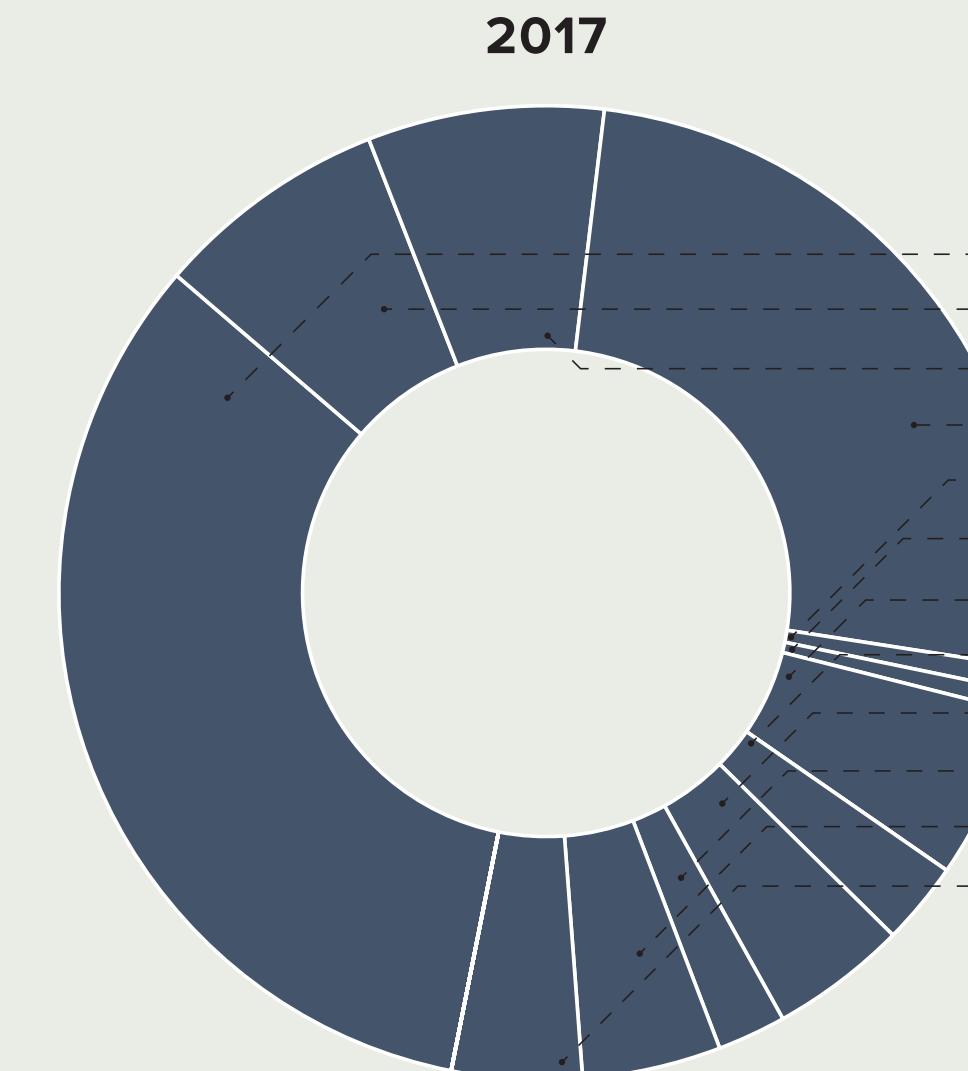

 Owned  Leased
**Today + 2032****Total Capacity**

The current capacity of UTRGV's real estate holdings is represented by a range of ownership types; from leased to owned space including a variety of use agreements with local communities. As a portfolio of space, the university is positioned to leverage these real estate assets to expand its presence across the Valley in a meaningful way over time.

 TIME  
 TYPE  
 LOCATION

**Edinburg****2017**

Real estate assets in Edinburg that are owned by UTRGV are primarily located in Edinburg. Campus assets that are utilized by the University through leases and shared purpose agreements are represented in the Hidalgo County capacity chart.

**Owned**   **Leased****OWNED**

Learning	453,768
Research	106,341
Library	107,291
Office	349,300
Student Services	10,936
Student Development	9,330
Support	78,210
SoM	37,624
Residential	62,016
Student Union	31,157
Recreation	62,969
Athletics	59,077

TIME  
TYPE  
LOCATION

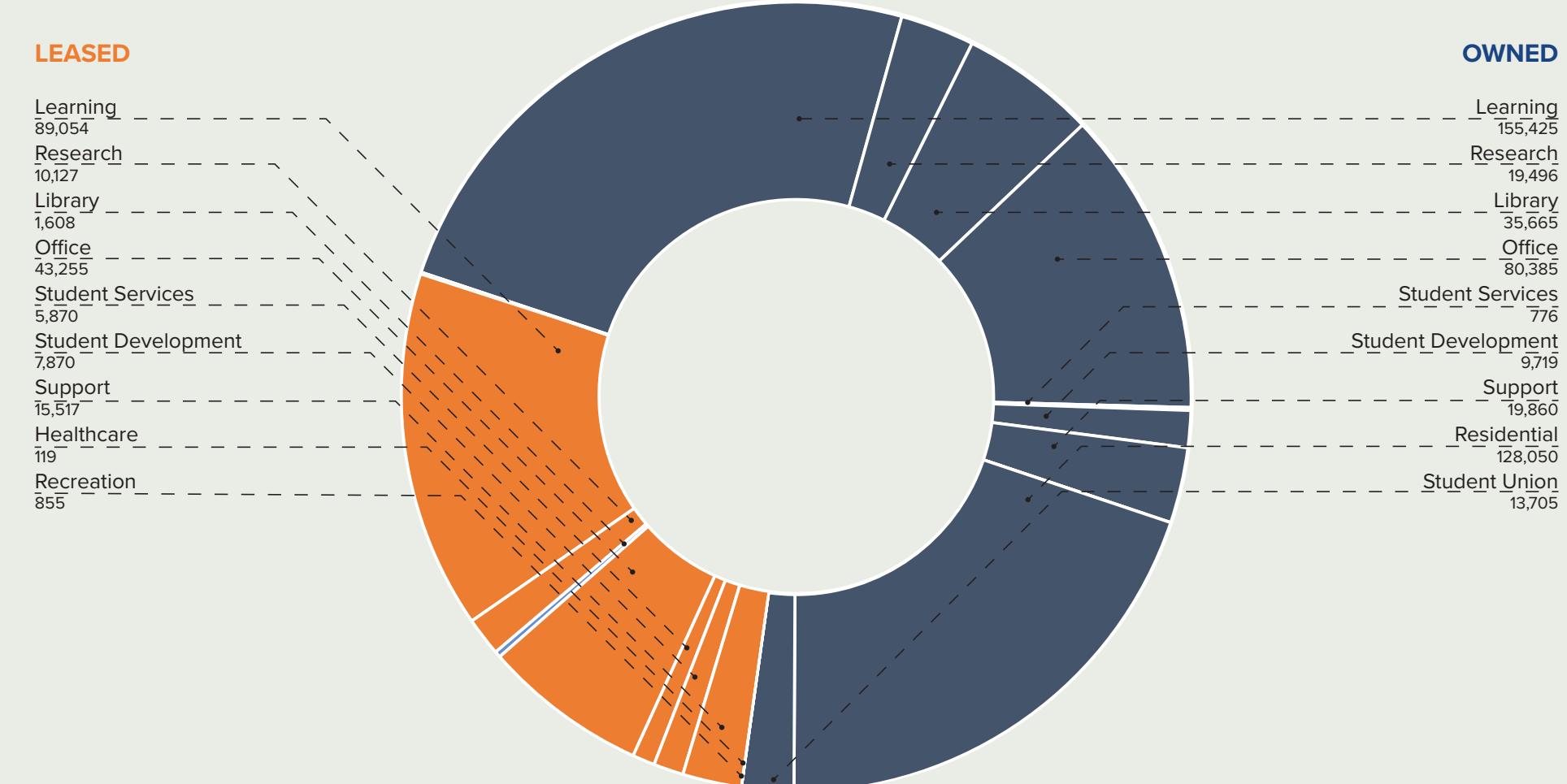
2017

LEASED

Learning	89,054
Research	10,127
Library	1,608
Office	43,255
Student Services	5,870
Student Development	7,870
Support	15,517
Healthcare	119
Recreation	855

OWNED

Learning	155,425
Research	19,496
Library	35,665
Office	80,385
Student Services	776
Student Development	9,719
Support	19,860
Residential	128,050
Student Union	13,705

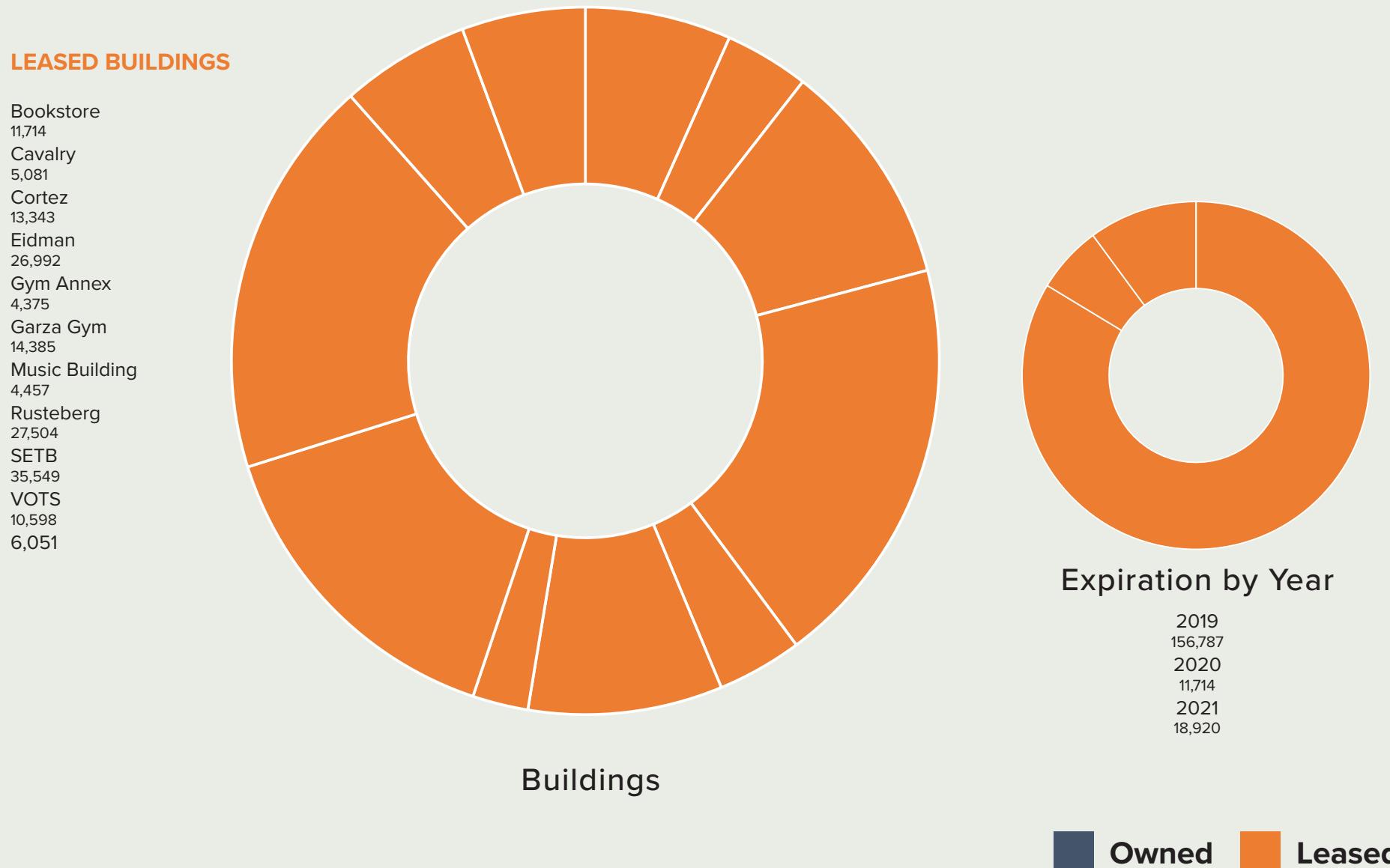


Owned    Leased

2017

**Brownsville**

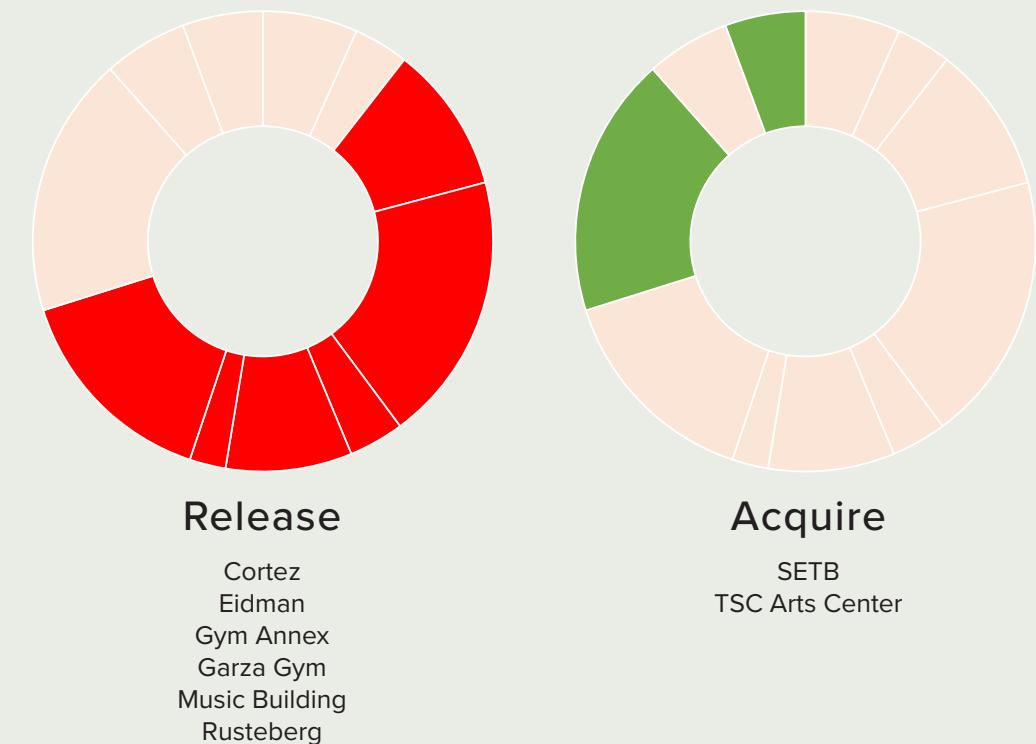
Brownsville has the greatest concentration of leased space within the UTRGV portfolio as an outcome of the change to University's former structure. Most of these lease agreements are desirable to dispose of once they expire due to the poor condition of the building stock, making for a very different ownership portfolio over time. However, key buildings have been identified as desirable to purchase when the opportunity arises.



# Brownsville

## Lease Space

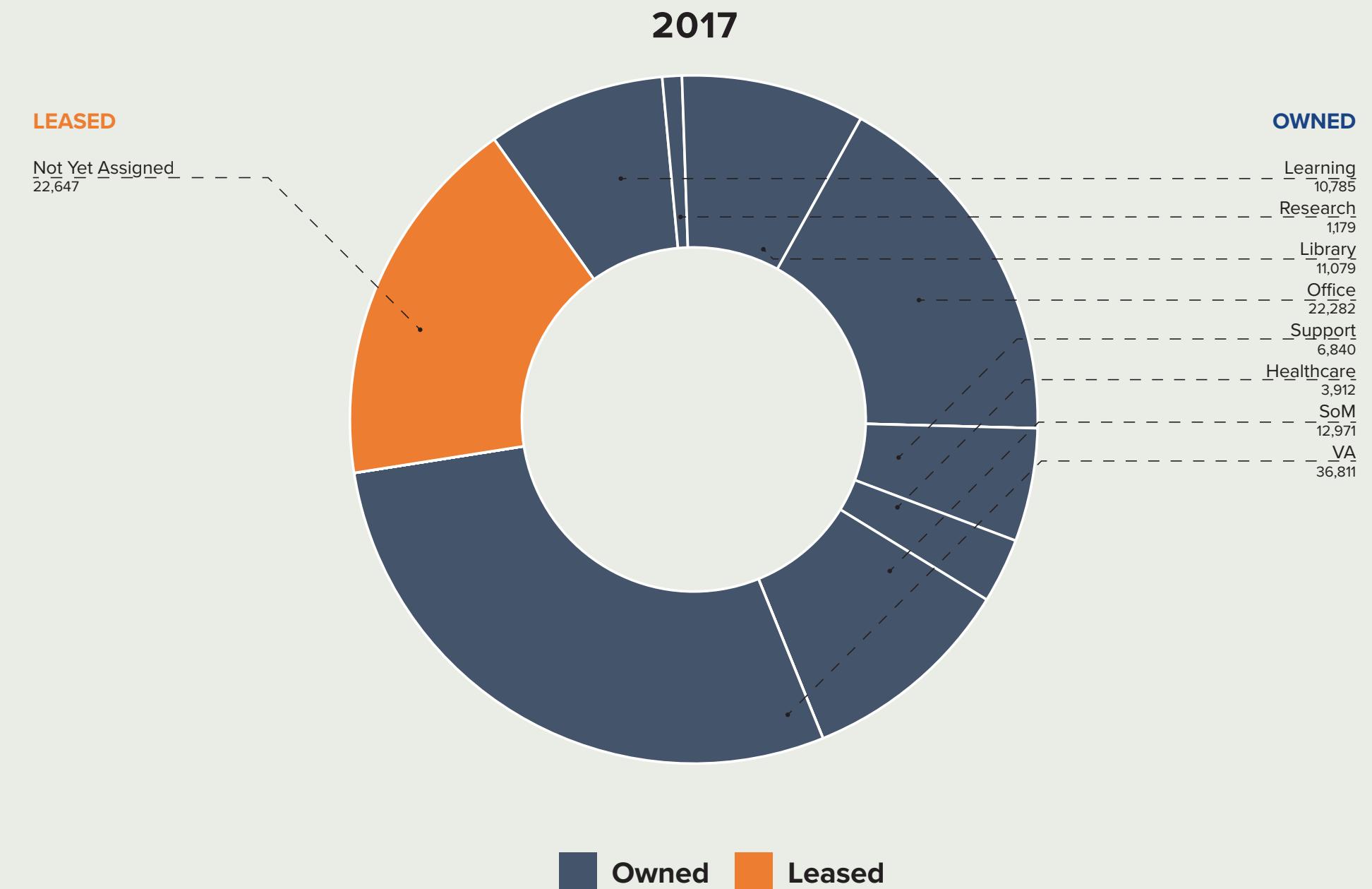
Captured here is a breakdown of the total net area of leased space in Brownsville per building. The leased space is also organized per lease expiration date and building condition to inform an understanding of the broader space capacity needs and availability over the 15-year master plan.





TIME

LOCATION



## Harlingen

**2017**

There is a great opportunity to increase the utilization of the Harlingen University Center. This space has the potential to allow UTRGV to grow its presence in Harlingen in the short-term while expanding upon its research and academic program offerings that meet long-term growth goals.



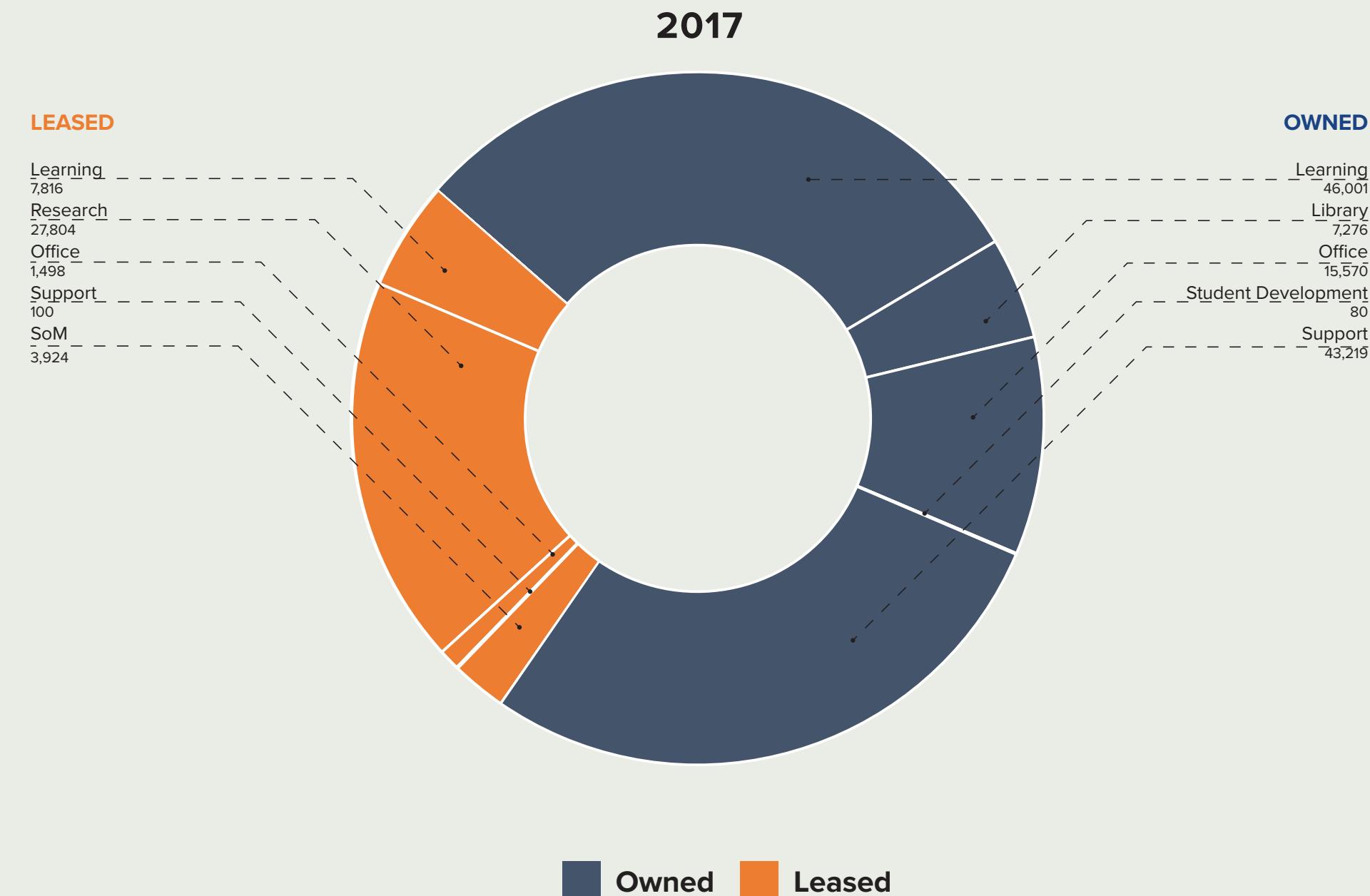
## Hidalgo County

**2017**

The UTRGV real estate capacity in Hidalgo County represents a highly diverse mix of University presence; from off-campus uses such as the McAllen Teaching Site, and Transfer Center and new outposts for research at Doctors Hospital at Renaissance and Advanced Manufacturing Center in McAllen to leveraging existing community centers within rural locations of the county to serve as portals for inter-professional learning and engagement.

TIME

LOCATION



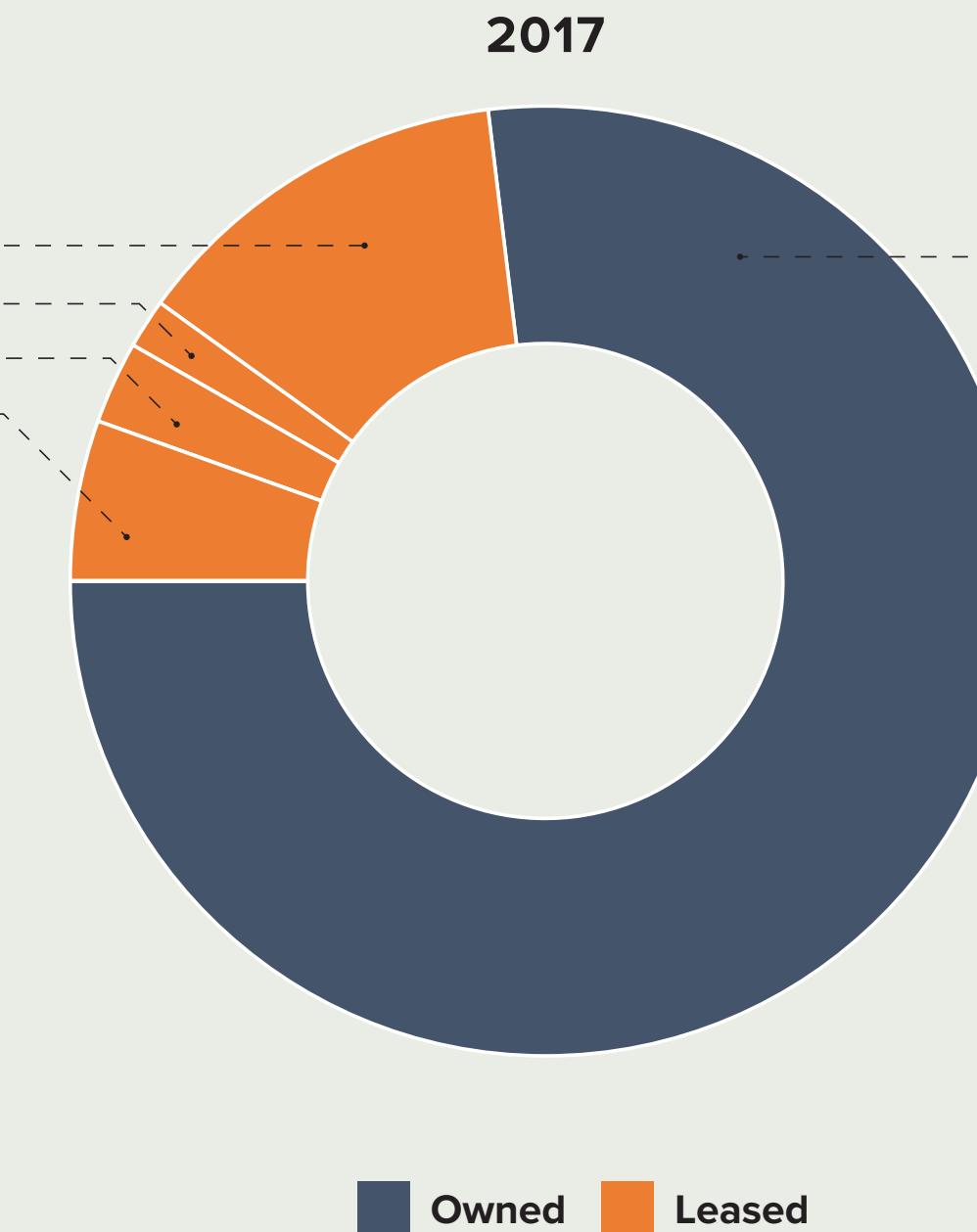


TIME

## Cameron County

**2017**

The UTRGV real estate assets in Cameron County are primarily oriented to coastal studies and space exploration in South Padre Island, Port Isabel, and Boca Chica Beach.

**OWNED**Not Yet Assigned  
17,680**LEASED**Learning  
3,015  
Research  
387  
Office  
645  
Support  
1,256

LOCATION

TYPE

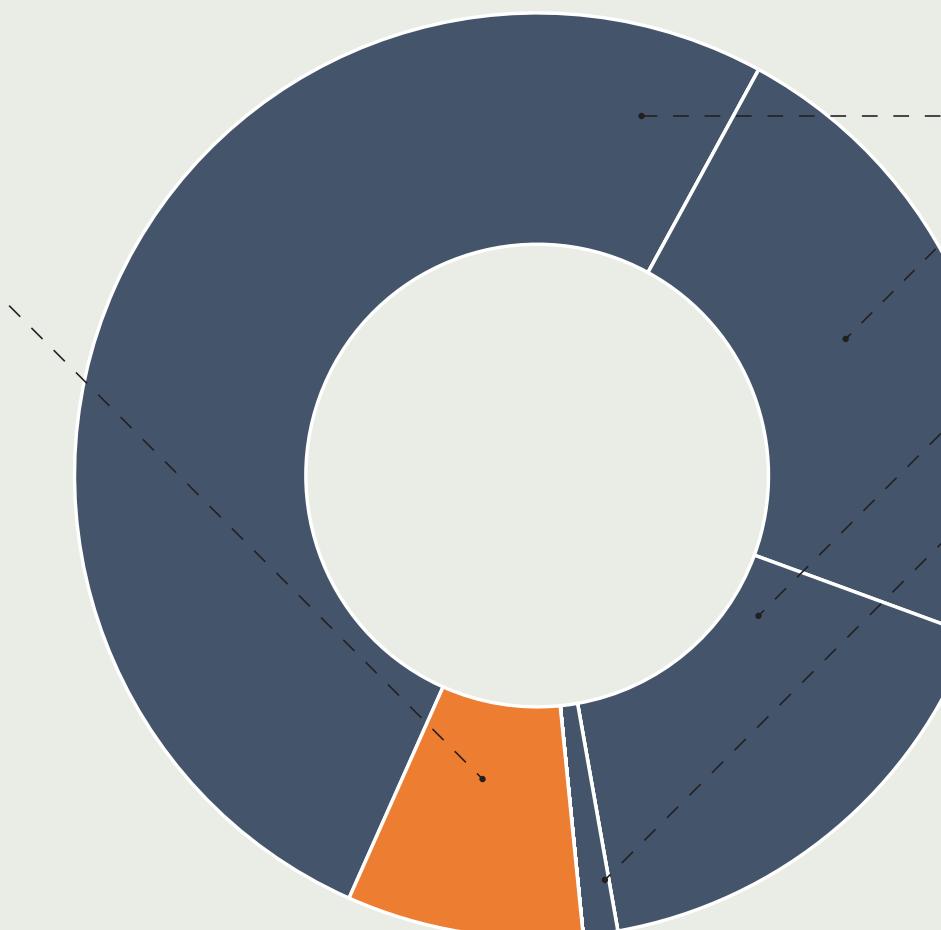


2017

LEASED

Not Yet Assigned  
1,000

OWNED

Learning  
6,214  
Library  
2,743  
Office  
2,014  
Support  
146 Owned  Leased

2017

## Starr County

The capacity of real estate in Starr County is primarily composed of space owned by UTRGV. As Starr County is the most geographically remote county of the Lower Rio Grande Valley counties, captured here in the lease space portion is the expansion upon UTRGV's outreach into Rio Grande City by way of a local community center.

TIME  
TYPE  
LOCATION



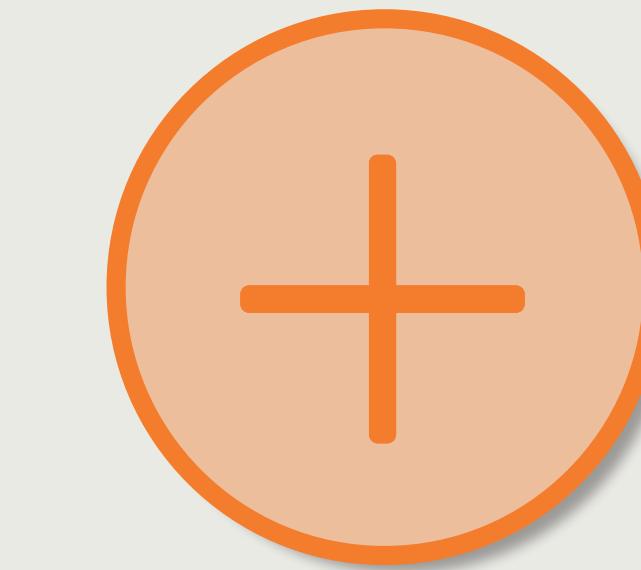
## RESEARCH

Read about the long-term vision  
for Research at UTRGV



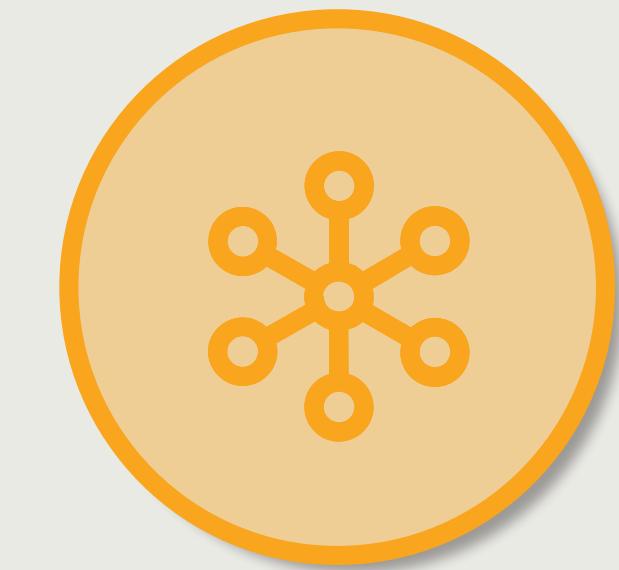
## LEARNING

Read about the long-term  
academic plan at UTRGV



## SUPPORT

Read about future plans for  
student support and services



## CONNECTIVITY

Read about planned public  
transit, IT infrastructure, and  
community engagement



## Research

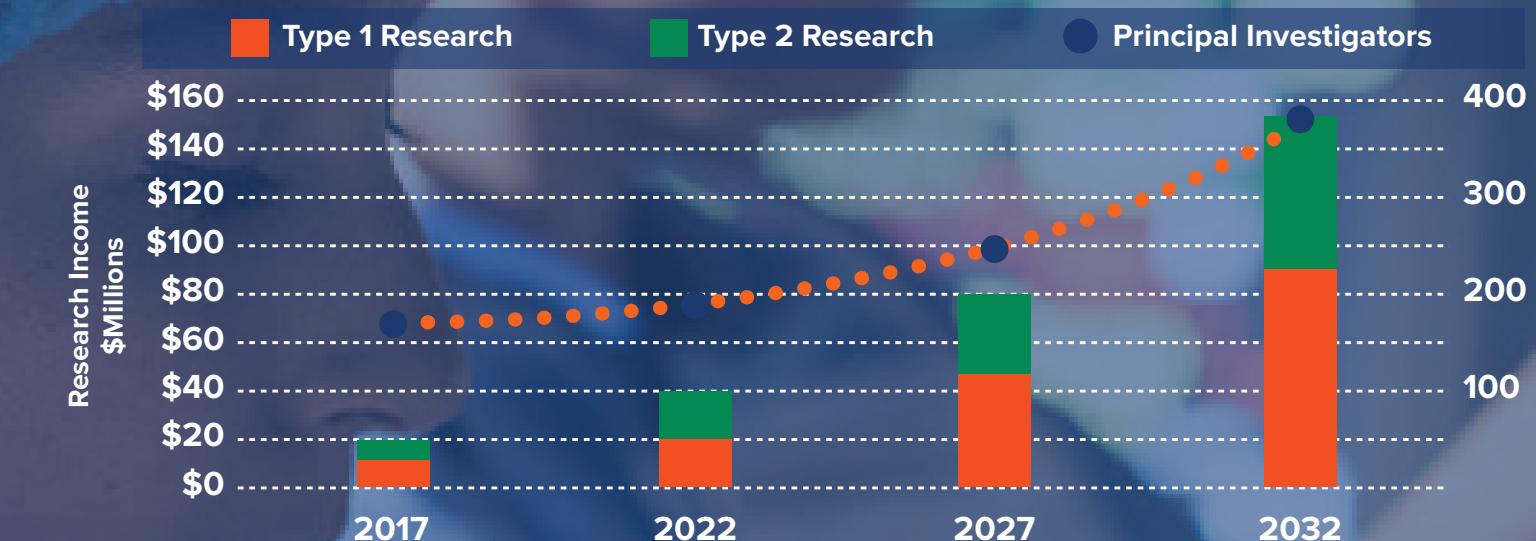
2017

2022

2027

2032

In 2016 the 170 Principal Investigators (PI) undertaking research at UTRGV used 108,200 assignable square feet (sqft) of space (excluding offices and support) to achieve \$25,678,769 in research income, a 3 year rolling average of \$20,350,797. In 2015, 243 Doctoral Students were enrolled in programs in Management (66), Organization & School Leadership (62), Teaching and Learning (92) and Rehabilitation Services & Counseling (23). According to the Texas Higher Education Coordinating Board 54% of UTRGV research is in the Agricultural sciences, Biological and other Life Sciences, Engineering, and Environmental sciences and 46% is in all other areas.

**170**  
PIs (FTE)**\$20.4**  
Research Income (M)**165K**  
Gross Square Feet**5**  
PhDs Awarded**Doctoral**  
Institution Status

TYPE

TIME

LOCATION

## Research

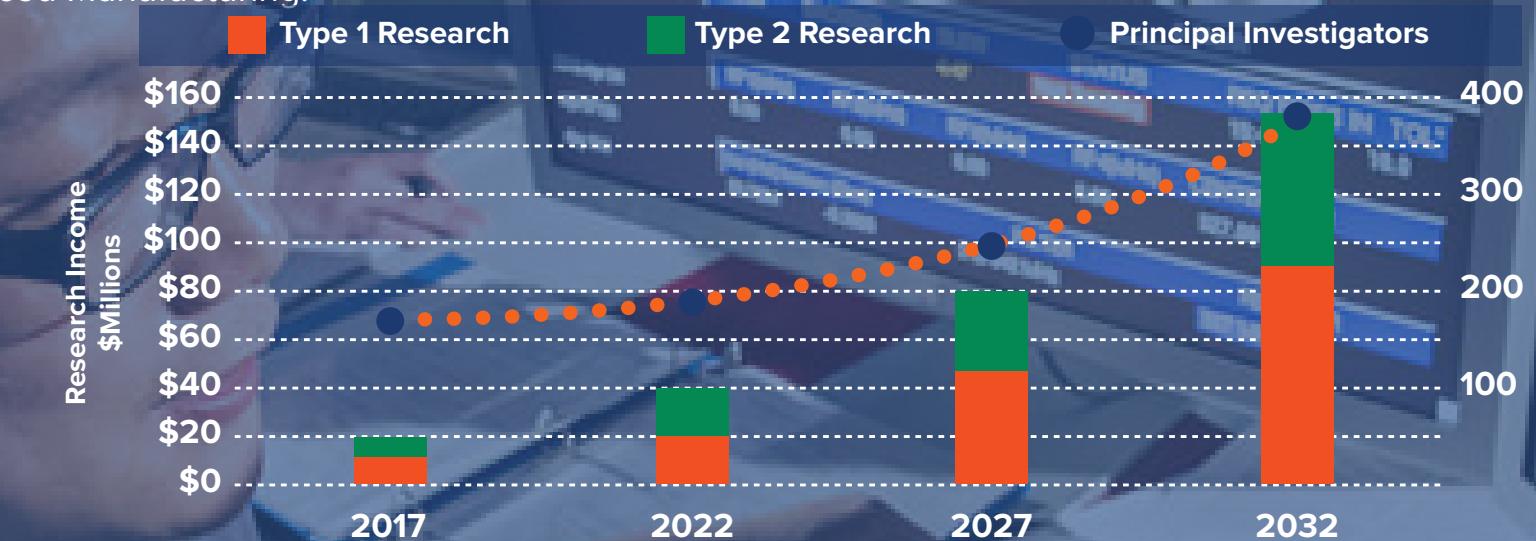
2017

2022

2027

2032

Projected to be completed in December 2017, the new 83,020 GSF Medical Research Building at Doctors Hospital at Renaissance in McAllen will accommodate the projected growth illustrated below. As well as providing additional vivarium and microscopy core facilities, UTRGV intends to double the investment in shared research infrastructure, including supercomputing. Other targets include an increase in research productivity from \$120,000/PIFTE/year to \$200,000/PIFTE/year, an increase in area per PI team from 510 net sqft to 790 net sqft, and a 25% increase in the number of research-based partnerships with industry, hospitals, non-profits, government, and other community stakeholders. The McAllen Advanced Tooling Engineering Center will transform into a Center for Advanced Manufacturing.

**197**

PIs (FTE)

**\$40**

Research Income (M)

**258K**

Gross Square Feet

**14**

PhDs Awarded

**Doctoral**

Institution Status

## Research

2017

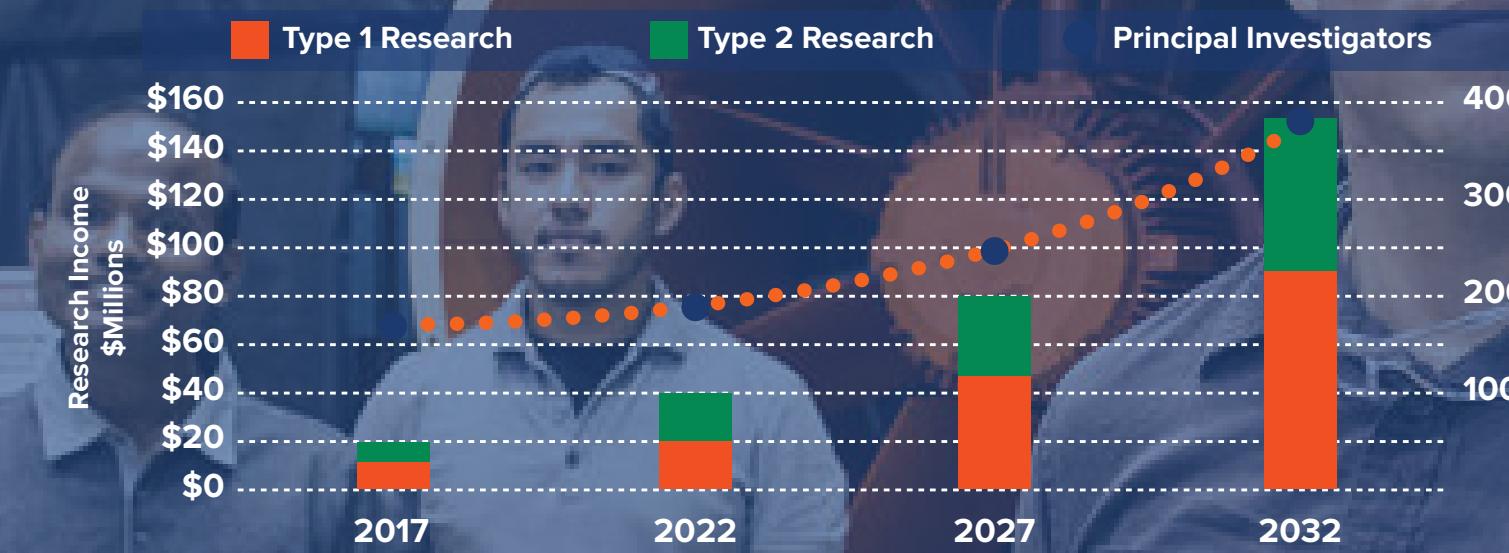
2022

**2027**

2032

Increases in research expenditures and a doubling of Doctoral programs and PhDs awarded will result in UTRGV achieving Emerging Research University status.

The requirement for an additional 129,000 net sqft of research space, taking the form of a 130,000 gross sqft Health Sciences Facility at Harlingen and a 130,000 sqft Water, Coast and Oceans Center at Port Isabel (includes labs, offices and support), assumes the hiring of an additional 61 Principal Investigators, producing \$300,000/FTE/year in 1,118 net sqft per PI team.

**258**

PIs (FTE)

**\$77.5**

Research Income (M)

**518K**

Gross Square Feet

**60**

PhDs Awarded

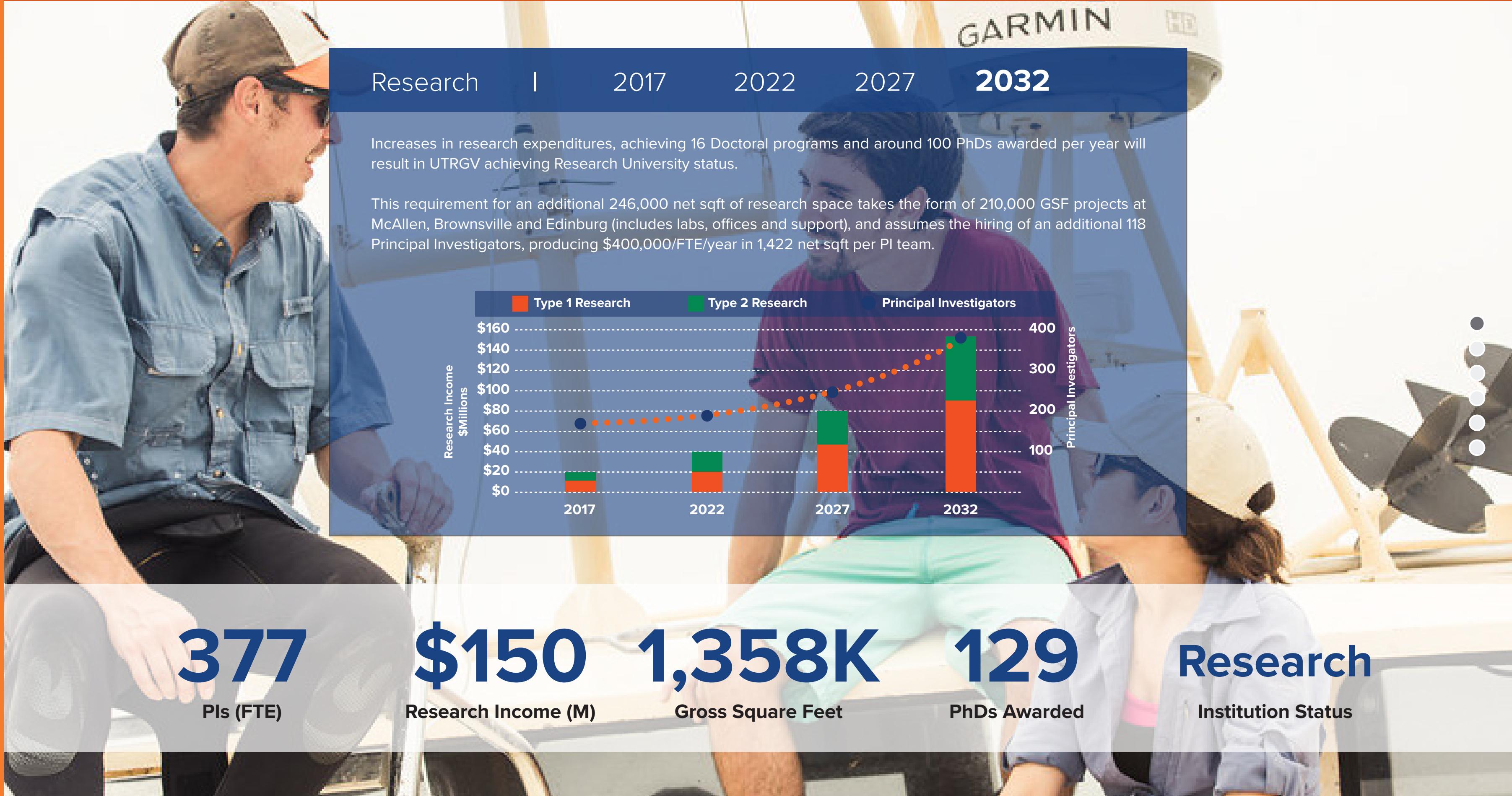
**Emerging  
Research**

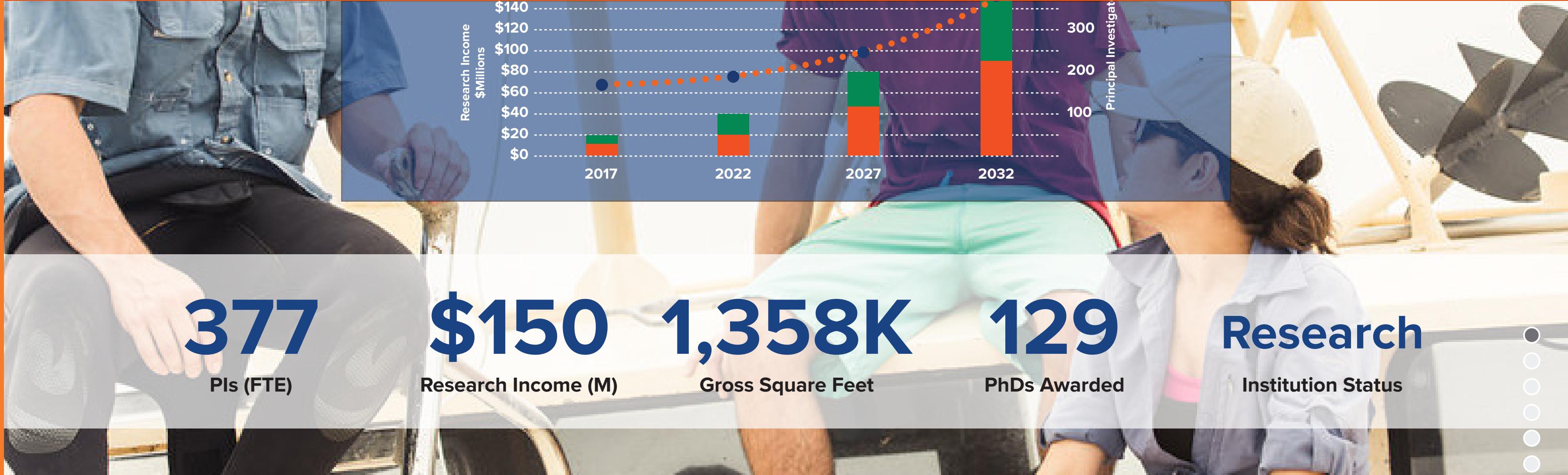
Institution Status

TYPE

LOCATION

TIME





## How will we get there?

Solutions focused research at UTRGV aligns the unique strengths of UTRGV and integrates its scholars and artists in providing direct positive impact on Valley-wide needs. It is divided into four strategic themes: Health + Wellness, Innovation, Education, and Environment. Each of the research facility projects illustrated in the plan is focused on a particular theme, with education research space included in each.

# How will we get there?

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Bio-Medical

Neuroscience

Obesity + Diabetes

Public Health

Health Informatics

Pharmacy

Interprofessional Health

**Scaleable  
research.**



The Lower Rio Grande Valley region is home to a unique population. Compared to the rest of Texas, this population is less educated, has a considerably lower per capita personal income, and has less access to health care. Hispanics of this region in addition also face a number of obstacles to health care, including economic, cultural, and institutional barriers, all leading to disparities in health outcomes.

Through the creation of the new Medical School, and the integrated growth of interprofessional programs with the College of Health Affairs, UTRGV will serve as a catalyst in transforming the landscape of health and medicine across the region. Medical and health sciences research facilities at McAllen and at Harlingen will be catalysts for a culture of health and well-being by building mutually beneficial partnerships with surrounding communities, health care providers, governmental agencies and philanthropic organizations.

# How will we get there?

Solutions focused research at UTRGV aligns the unique strengths of UTRGV and integrates its scholars and artists in providing direct positive impact on Valley-wide needs. It is divided into four strategic themes: Health + Wellness, Innovation, Education, and Environment. Each of the research facility projects illustrated in the plan is focused on a particular theme, with education research space included in each.

B3 Institute

Bilingual Learning  
Innovation

Science of Learning

Simulation, Gaming, +  
Virtual Reality

Curriculum + Instructional  
Innovation

Organizational  
Leadership

Interdisciplinary  
research.



For UTRGV to be a catalyst for educational success for a growing bilingual and biliterate population of individuals, families, communities, the region and our society at large, research in education has to be undertaken in a decentralized fashion.

In order to be regionally responsive, every research facility described in this master plan will contain spaces and technologies for engaged, networked, physical and digital discovery. Each place will focus on implementing research findings through thoughtful, culturally sustaining partnerships with local schools and communities across all types of learning and teaching practice.

To learn more about the UTRGV College of Education and P16 Integration and their research and community engagement efforts, visit:

<http://www.utrgv.edu/cep/>

# How will we get there?

Solutions focused research at UTRGV aligns the unique strengths of UTRGV and integrates its scholars and artists in providing direct positive impact on Valley-wide needs. It is divided into four strategic themes: Health + Wellness, Innovation, Education, and Environment. Each of the research facility projects illustrated in the plan is focused on a particular theme, with education research space included in each.

Earth + Space

River Hydrology +  
Ecology

Oceanography

Coastal Studies

Agri-Nutrition

Marine Science

Sustainability

**Solutions-  
focused research.**



Environmental research covers a wide range of interdisciplinary discovery, focused on providing solutions to the unique challenges of the Rio Grande Valley and beyond.

Research facilities will focus on earth and space research at Boca Chica Beach, water, ocean and coastal studies at Port Isabel / South Padre Island and Energy, Agriculture and Nutrition at Weslaco. Research facilities will promote a collaborative, multi-disciplinary approach to understanding regional earth - environmental systems and their interactions with society by integrating biological, chemical, physical and geospatial sciences with engineering, socio-economics, law and policy.

To learn more about environmental research at UTRGV visit:

<http://www.utrgv.edu/biology/research/research-fields/index.htm>

<http://www.utrgv.edu/seems/research/index.htm>

●  
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LOCATION

TIME

# How will we get there?

Solutions focused research at UTRGV aligns the unique strengths of UTRGV and integrates its scholars and artists in providing direct positive impact on Valley-wide needs. It is divided into four strategic themes: Health + Wellness, Innovation, Education, and Environment. Each of the research facility projects illustrated in the plan is focused on a particular theme, with education research space included in each.

Business Acceleration

High Performance Computing

Advanced Manufacturing

Medical Devices

Health Informatics

Health Economics

Border Policy

**Solutions-focused research.**



For UTRGV to be a catalyst for regional socio-economic success, knowledge creation in all academic areas has to be targeted towards implementable solutions.

Improvements in regional health, literacy, cultural activity and prosperity will depend on the university broadening its culture of entrepreneurship and service while increasing its community partnerships and technology transfer.

In order to be a catalyst for regional innovation, every research facility described in this master plan will contain spaces and technologies for the incubation and development of entities engaged in networked, physical and digital solutions through sustainable partnerships with local businesses, government, not for profits and other community entities.

To learn more about current innovation and entrepreneurship efforts at UTRGV visit:

<http://www.utrgv.edu/en-us/research/services/economic-development/entrepreneurship/index.htm>

TYPE

LOCATION

TIME



Health Economics  
Border Policy  
**Solutions-focused research.**

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To learn more about current innovation and entrepreneurship efforts at UTRGV visit:

<http://www.utrgv.edu/en-us/research/services/economic-development/entrepreneurship/index.htm>

## Where will research go?

Over the next 15 years we will establish a network of theme based interdisciplinary centers of excellence addressing the challenges and opportunities of the Rio Grande Valley and beyond. These locations and the research focuses have been determined by assessing greatest needs, historical research strengths along with local contextual, economic and cultural attributes.



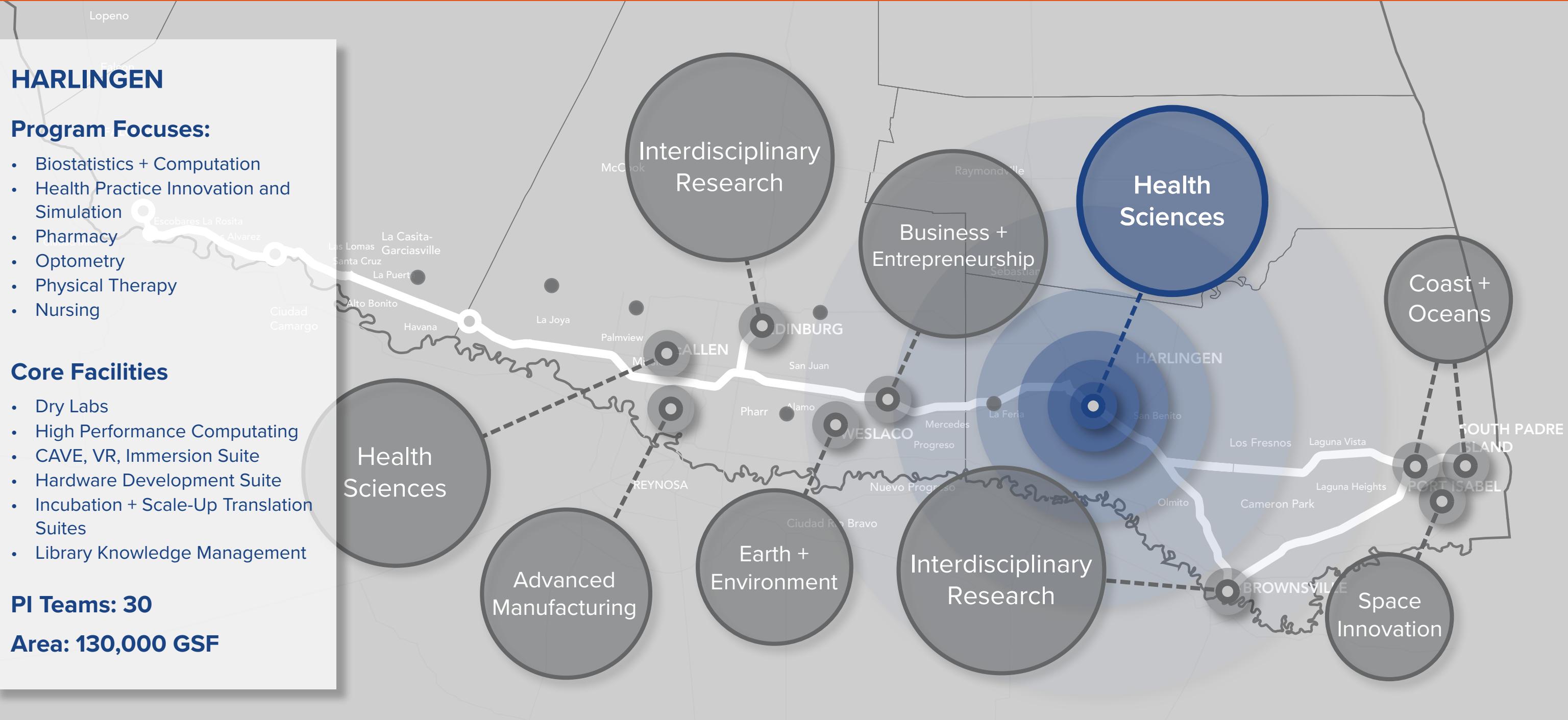
TYPE  
LOCATION  
TIME



## Research Centers of Excellence

### Distributed Research

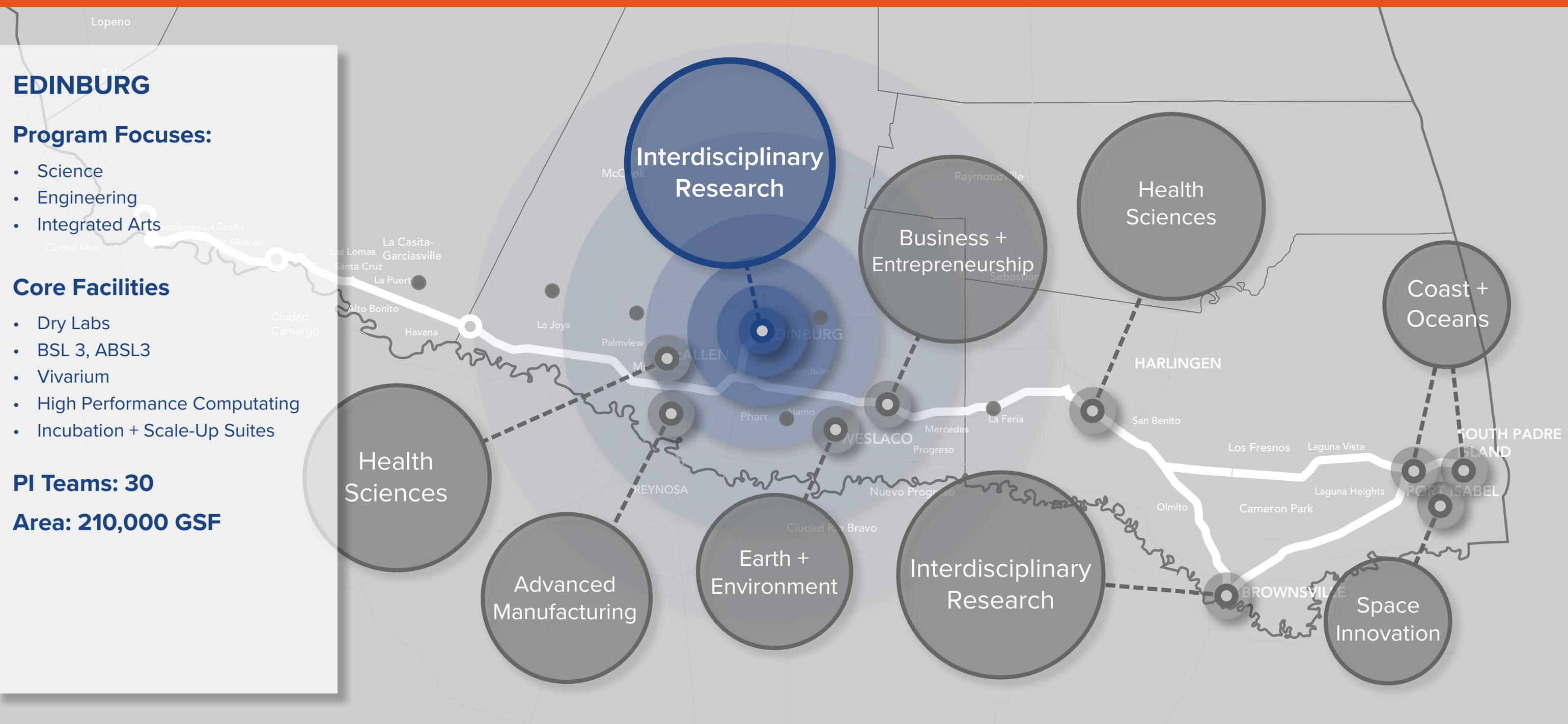
To operate successfully in a distributed model a series of thematic clusters has been aligned with the context of particular locations across the Valley anchored by interdisciplinary clusters at the Campuses/Sites. These centers of excellence contain unique technologies, and knowledge management resources related to their particular research activities. Research undertaken by the College of Education and P16 Integration would occur in all locations.



## Research in HARLINGEN

### Health Sciences

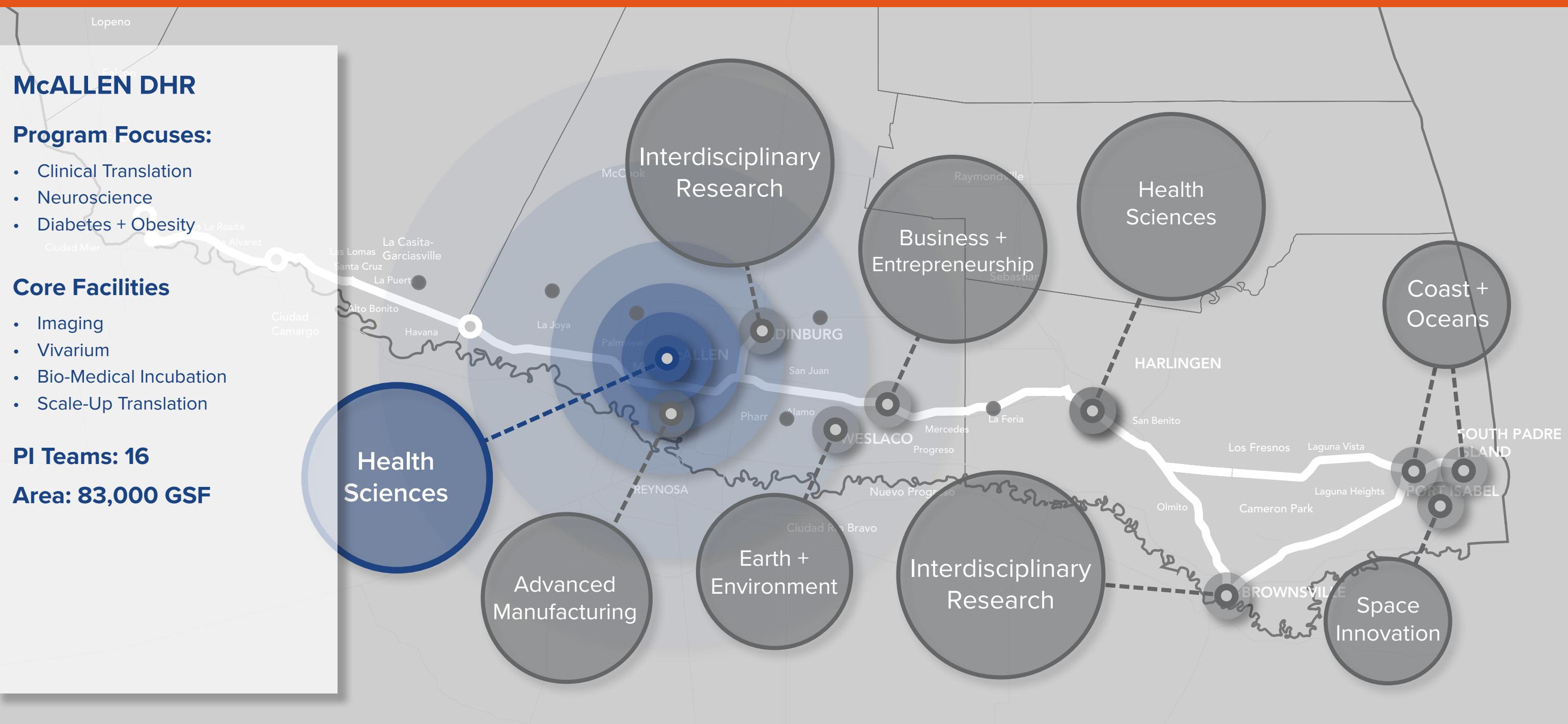
Located adjacent the Veterans Healthcare Center and Valley Baptist Medical Center and close to other health sciences learning facilities this center will be a basic and applied interprofessional health sciences research. Complementing traditional wet labs and animal facilities will be a suite of high performance computing, simulation and hardware development suites and incubation facilities that will enable the full continuum of clinical and translational research and technology transfer.



## Research in EDINBURG

### Interdisciplinary Research

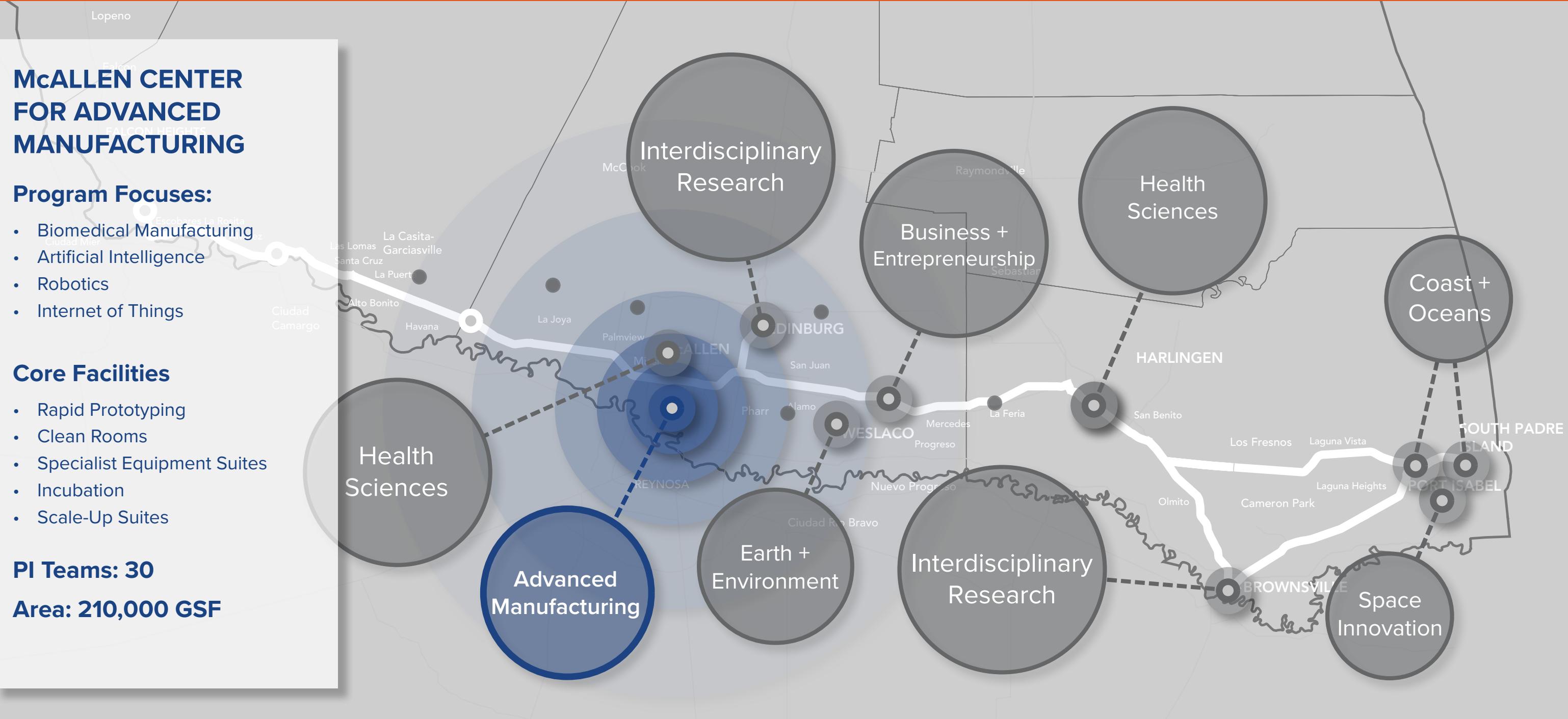
This research facility will provide highly flexible interdisciplinary research facilities related to academic strengths at the intersection of science engineering and the arts. Complementing traditional wet labs and animal facilities will be a suite of high performance computing, BSL3 labs and incubation facilities that will enable the full continuum of basic and applied research and technology transfer.



## Research in McALLEN

### Health Sciences

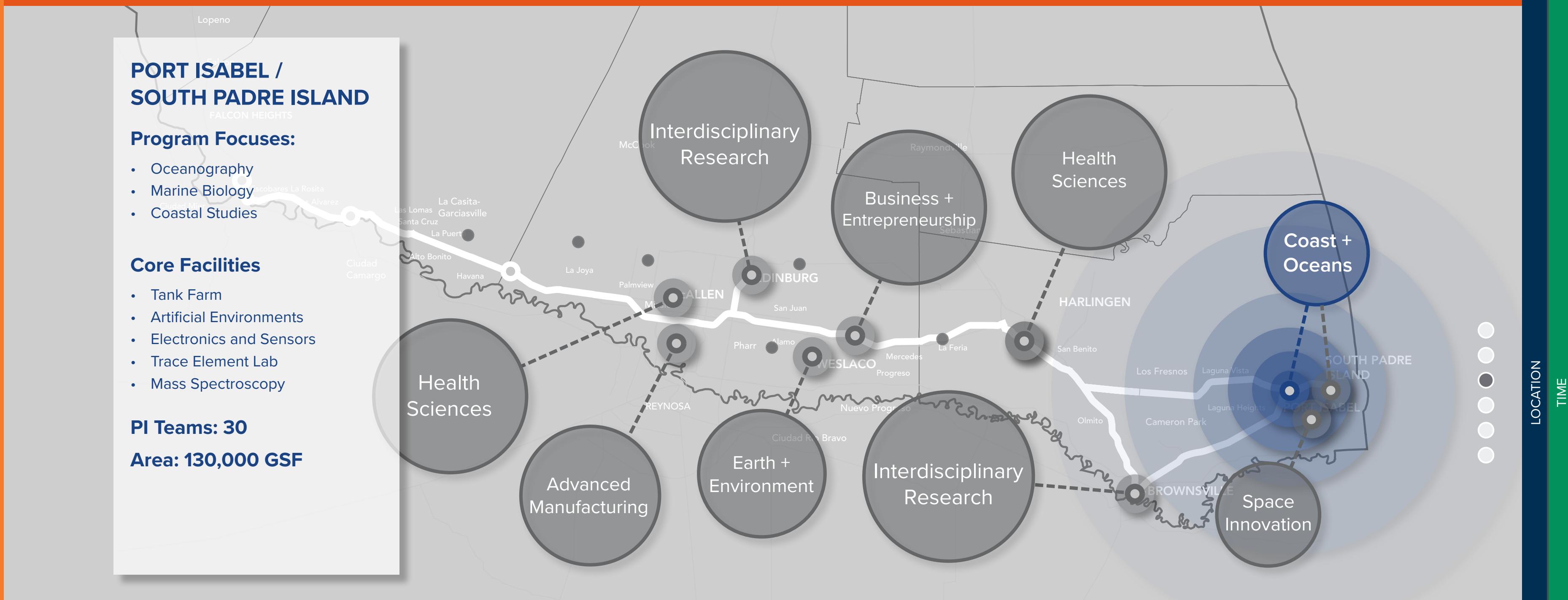
Projected to complete construction in December 2017, the new 83,020 gross sqft. Research Building at McAllen will take advantage of its location adjacent Doctors Hospital at Renaissance to undertake the full continuum of clinical and translational medical research. The additional vivarium and microscopy core facilities in this building provides some of the doubling in shared research infrastructure UTRGV intends to invest in during the next five years.



## Research in McALLEN

### Advanced Manufacturing

As the College of Engineering and Computer Science Advanced Tooling Center matures and becomes more successful, it is anticipated that it will be expanded to become a center for advanced manufacturing. Containing state of the art robotics, artificial intelligence and rapid prototyping facilities, it is anticipated that this center of excellence will attract multiple partners in government and industry from both sides of the border.



# Research in PORT ISABEL

## Water, Coast, and Ocean

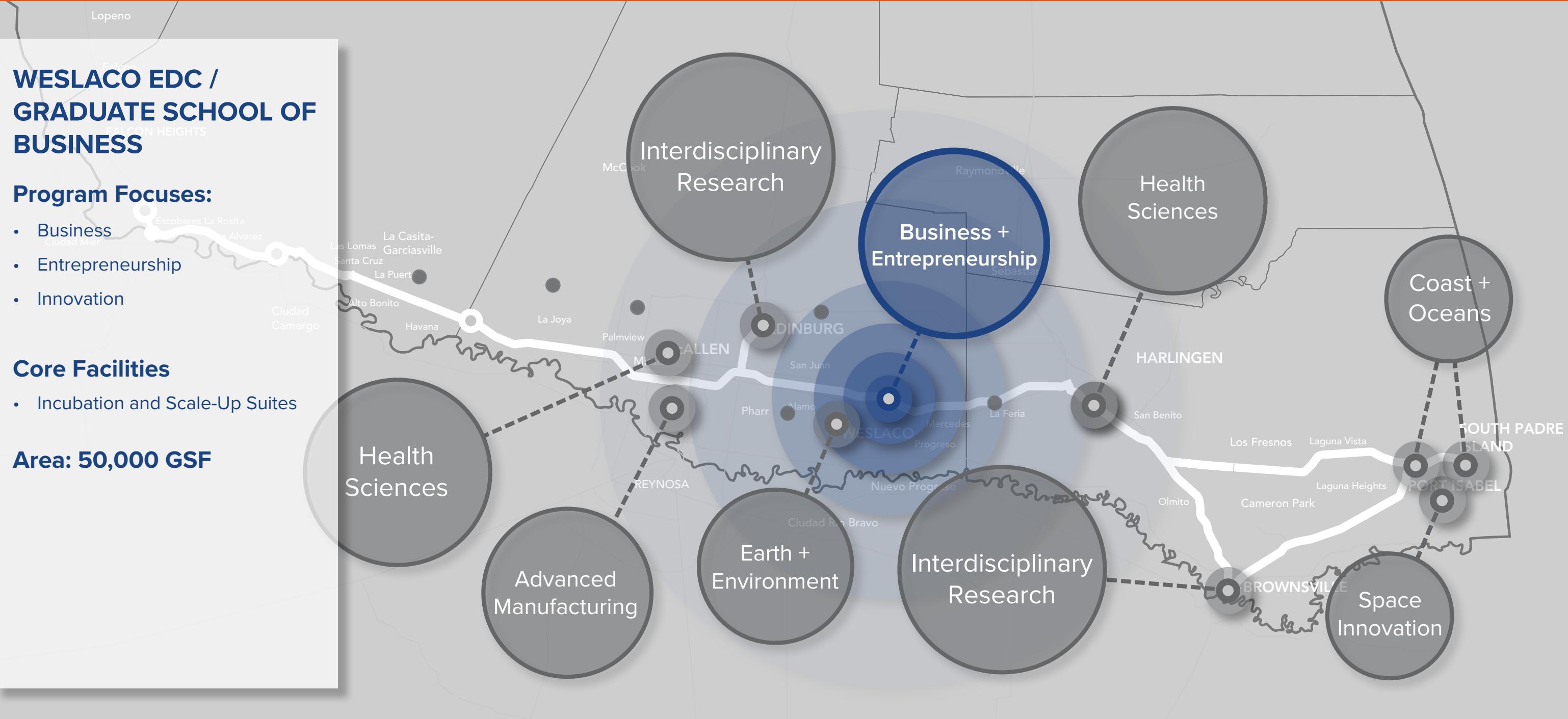
Located on 8 acres of land currently owned by UTRGV, it is intended that this research center will be combined with learning facilities to create a self-sufficient academic hub. Taking advantage of its unique location it will focus on environmental research related to the intersection of the Rio Grande River with the South Texas Coastline and the Ocean of the Gulf of Mexico.



## Research in BOCA CHICA BEACH

### STARGATE

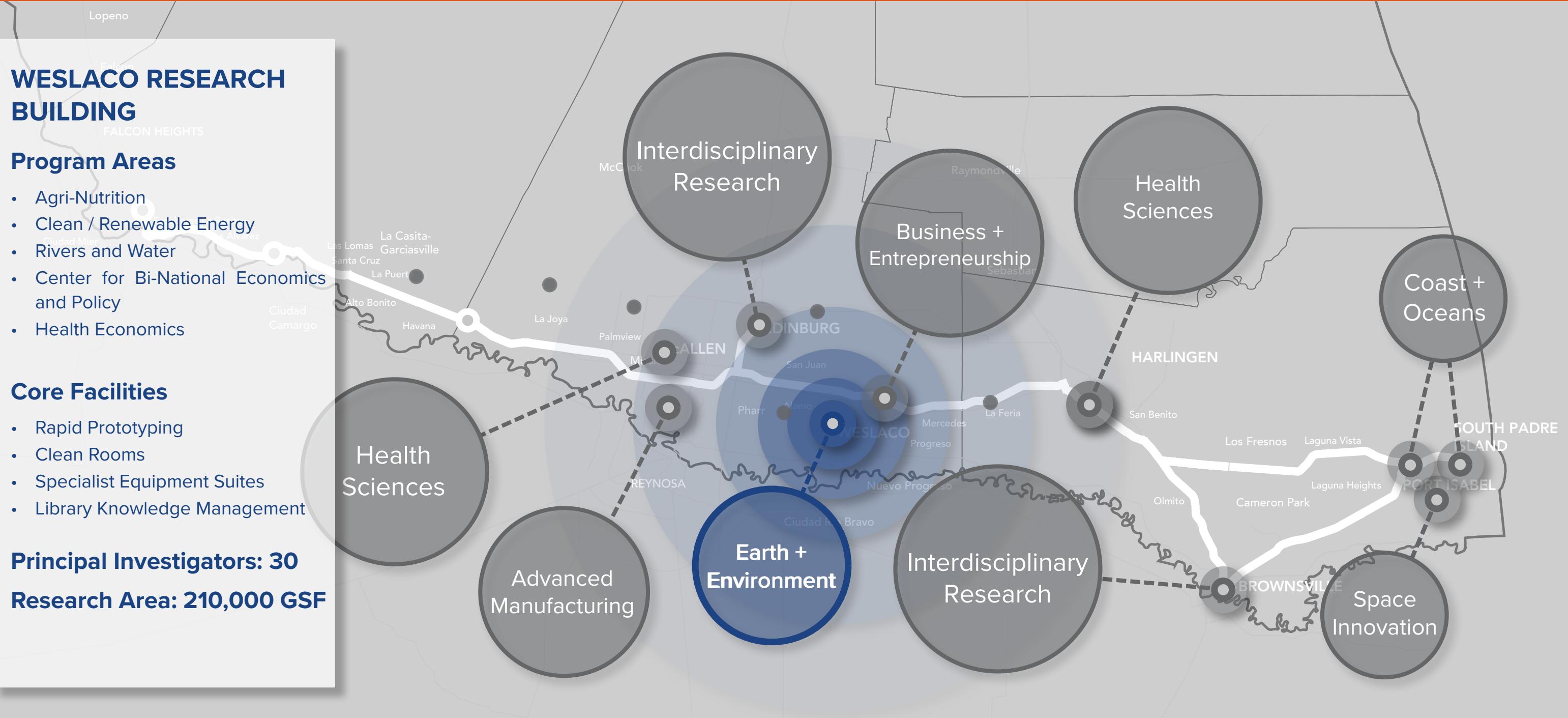
The existing location for the partnership between UTRGV, the Center for Advanced Radio Astronomy (CARA), and SpaceX is envisioned to be expanded to foster leading-edge research, development and commercialization in sophisticated radio astronomy technologies and Spacecraft Tracking and Astronomical Research into Giga-hertz Astrophysical Transient Emission (STARGATE), and develop new radio frequency-based technologies for a wide range of academic and commercial applications.



## Research in WESLACO

### Business + Entrepreneurship

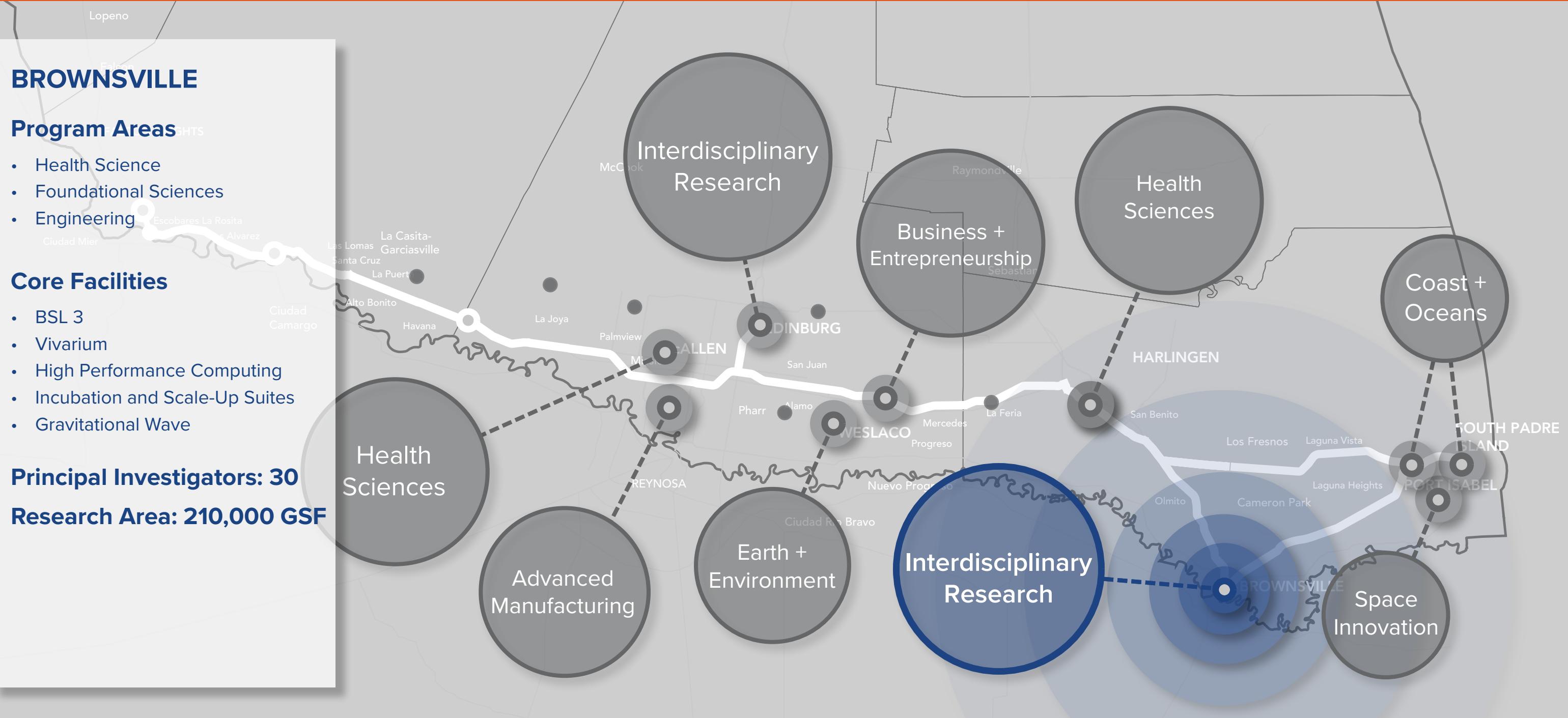
Taking advantage of its proximity to the Weslaco Center for Innovation and Commercialization this center will expand research in business and entrepreneurship for the UTRGV Robert C. Vackar College of Business and Entrepreneurship. As a place that links new discoveries and thinking business it will directly link its work to developing jobs, businesses and economic value for the region.



## Research in WESLACO

### Earth + Environment

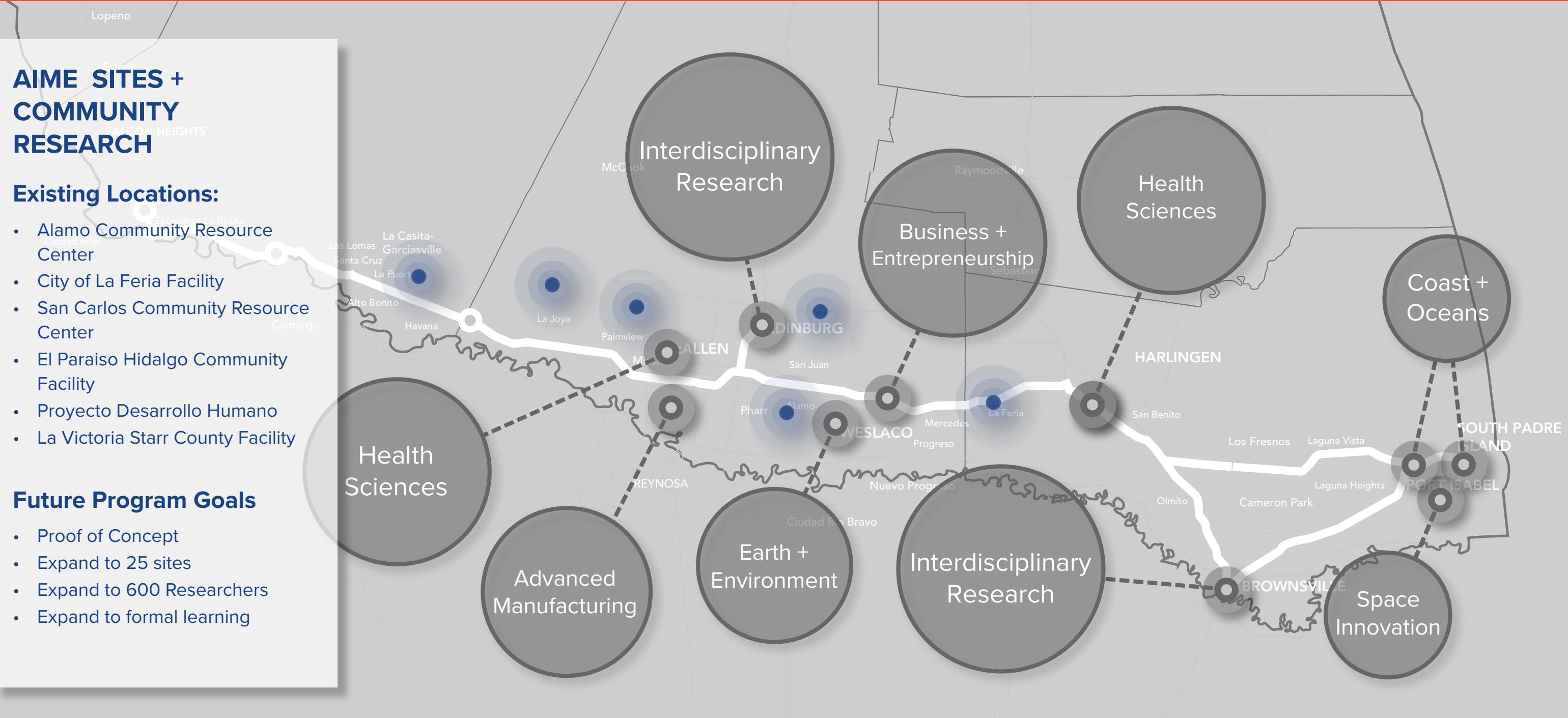
Located so as to take advantage of its central location it is intended that this research center will be combined with adjacent learning and research to create a self-sufficient academic hub. It will focus on earth and environmental research related to the intersection of the Rio Grande River with agriculture, climate, food production and health economics.



## Research in BROWNSVILLE

### Interdisciplinary Research

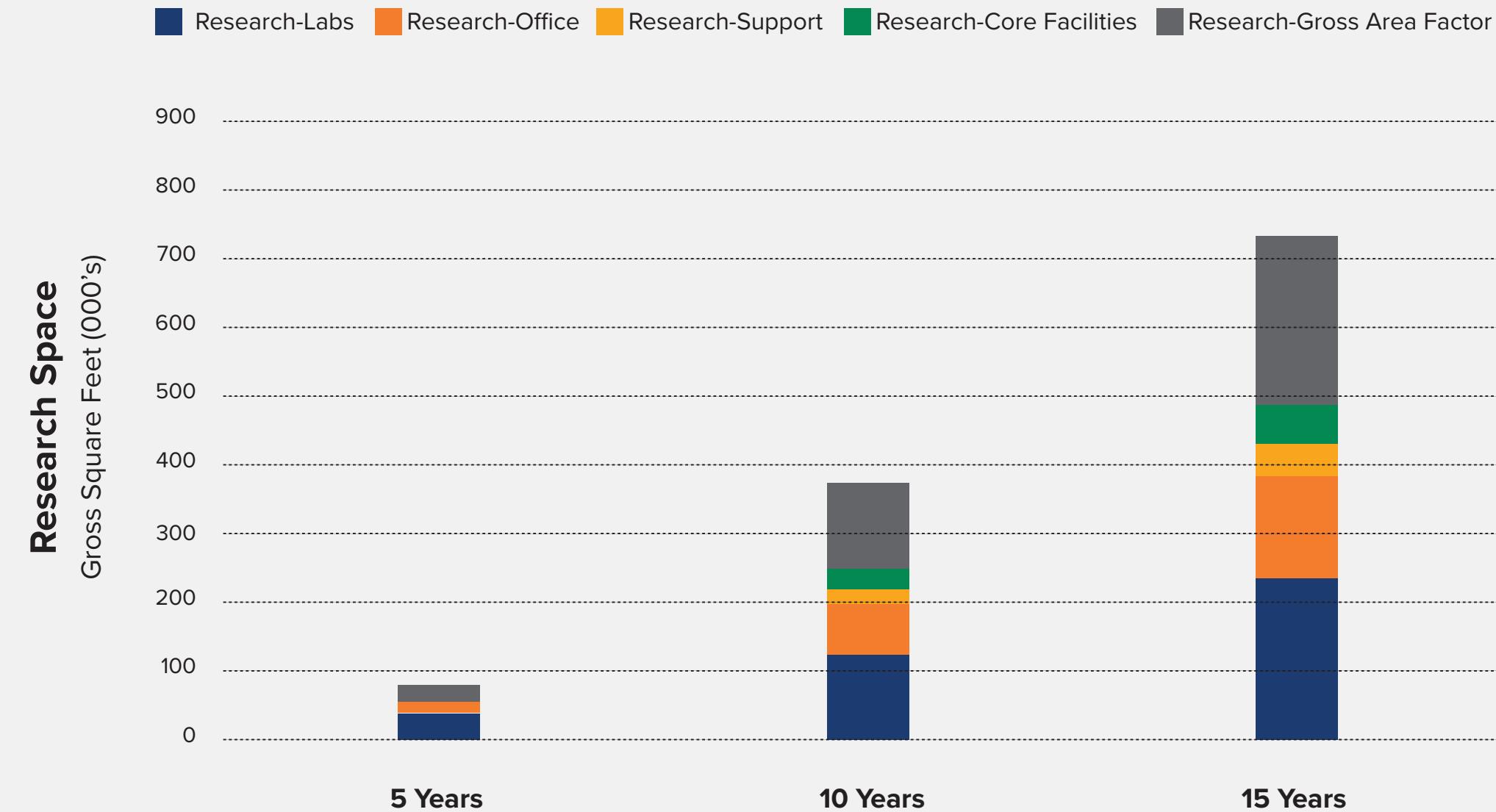
This research facility will provide highly flexible interdisciplinary research facilities related to academic strengths at the intersection of Health Science, foundational sciences and engineering. Complementing traditional wet labs and animal facilities will be a suite of high performance computing, BSL3 labs and incubation facilities that will enable the full continuum of basic and applied research and technology transfer.



## Research at the AIME SITES

### Health Sciences

Subject to its success, in community-based practice experiences for students, it is envisioned that the Ambulatory Interprofessional Medical Experience (AIME) sites could be extended to host funded research projects. Through AIME, medical and health researchers along with other disciplines could undertake research in population health, health disparities, cultural diversity, culturally competent practice and possibly undertake clinical trials.

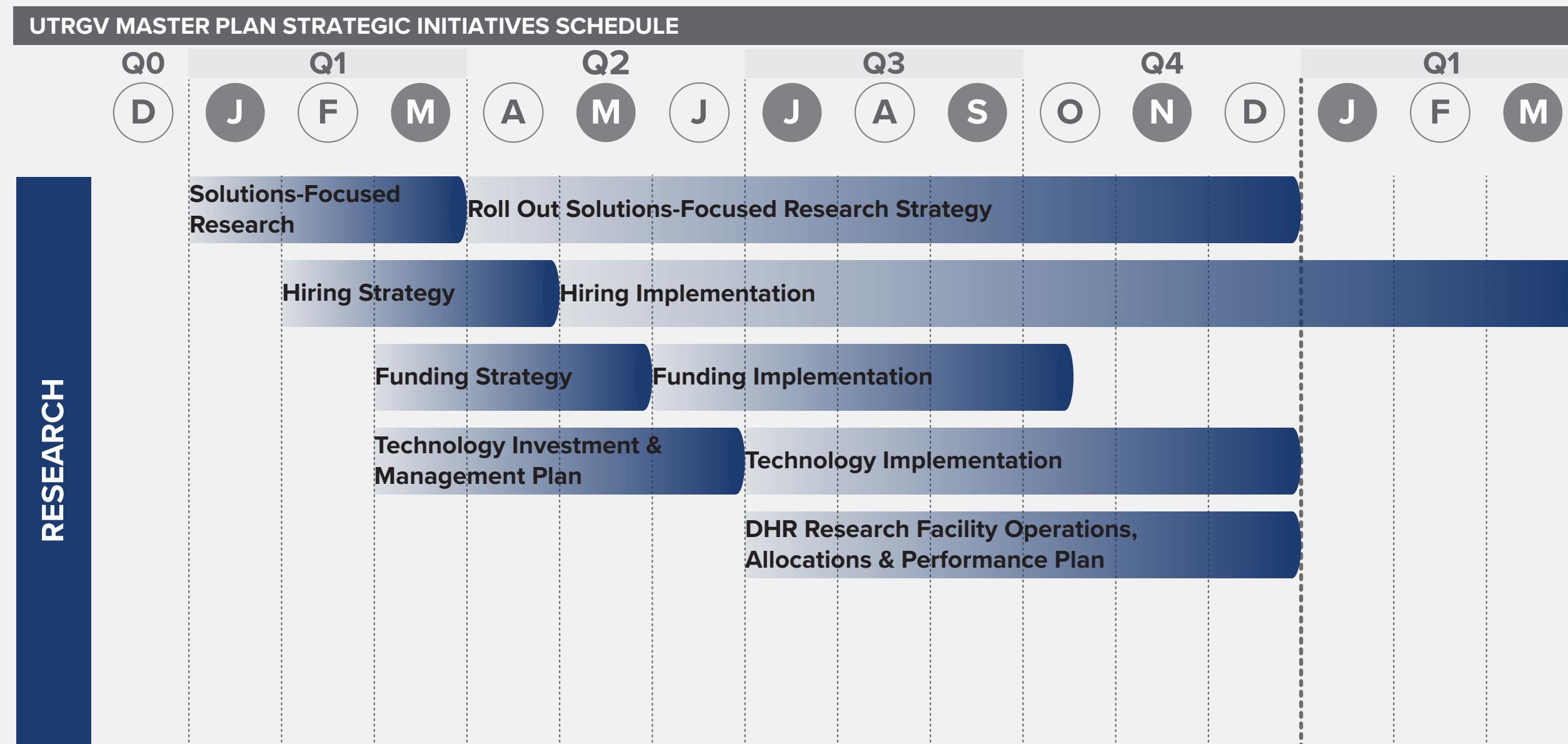


## Trends: Research Real-Estate Growth

Research facility requirements over the next 15 years at UTRGV have been derived from research the income targets described previously. These targets have been modified to take into account progressive increases in research productivity, growth in PI team size and improvements in space utilization. To arrive at gross floor area requirements, the net research space is supplemented by additional area for research offices, decentralized core facilities, such as vivarium and service facilities such as chemical stores and loading docks. A 60% efficiency factor has been added to bring the net areas up to gross.

To learn more about the process in developing the Space Prediction Model, [click here](#).

## Strategic Initiatives Schedule

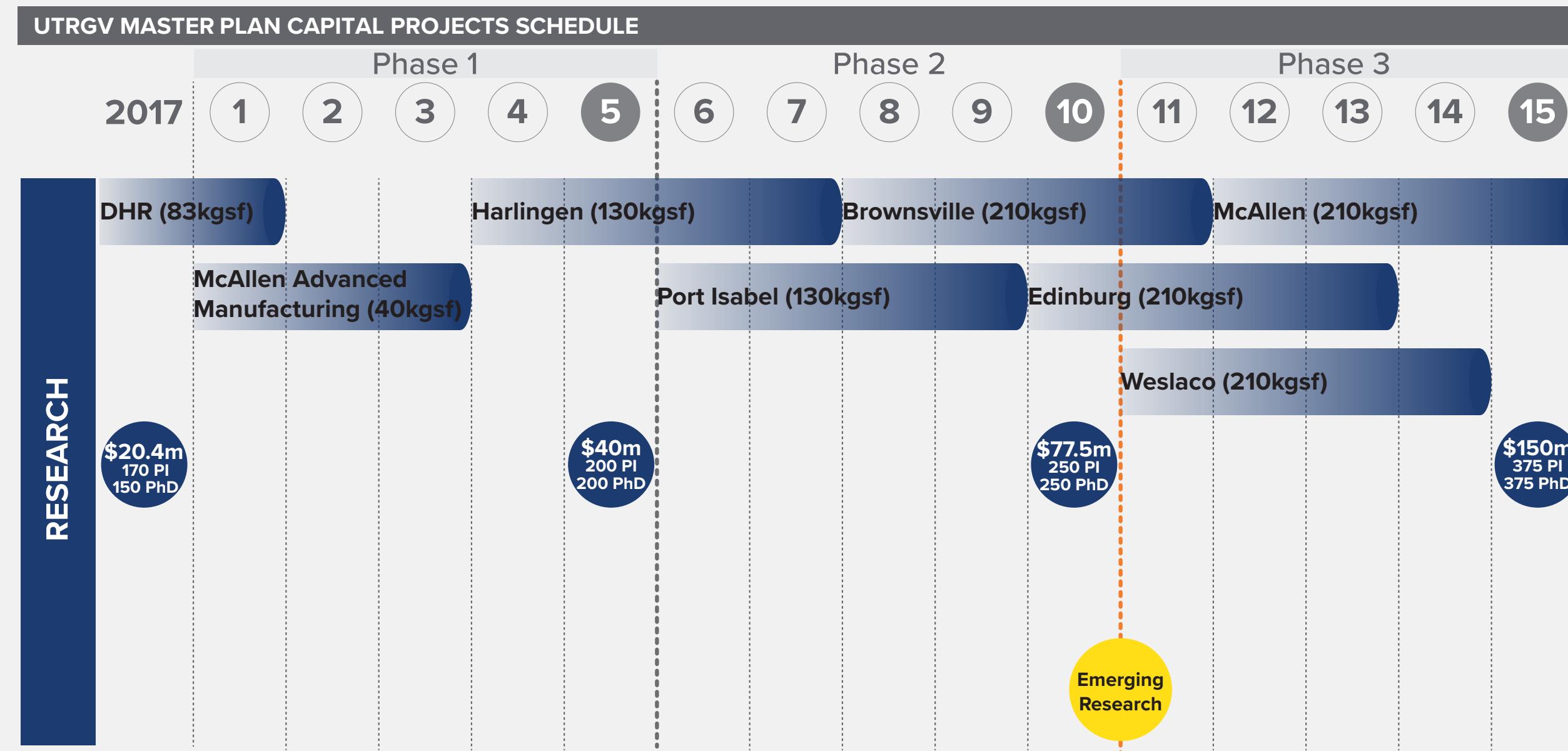


## Research Strategic Initiatives Schedule

It is envisioned that The Division of Research, Innovation, and Economic Development will reorganize to focus on solutions focused interdisciplinary research. It will create and implement integrated funding growth and hiring strategy plans aimed at achieving the aggressive targets for doubling research expenditures over the next five years.

To view the complete strategic initiatives schedule, [click here](#).

## Capital Projects Schedule



## Research Capital Projects Schedule

Years 0-5 are focused on consolidation of the research enterprise, developing theme based practices at its existing locations and growth in health sciences research at McAllen. Years 5-10 as research expenditures double and Emerging Research status is achieved, we will see Interprofessional research expansion at Harlingen in parallel with learning facilities expansion. There will be a mixed-use learning and research facility created at Port Isabel. Years 10-15 as research expenditures double again and as UTRGV heads towards Research University status, new research projects facilities will be required to accommodate increased numbers of new faculty hires at Brownsville, Edinburg, McAllen and Weslaco.

To view the complete strategic capital projects schedule, [click here](#).



**Total  
Enrollment  
(FTE)**

**Graduate  
Enrollment  
(FTE)**

**Classroom  
Utilization**

**Online  
Learning**

**Gross  
Square Feet**

**Faculty /  
Staff (FTE)**



TYPE

LOCATION

## Learning

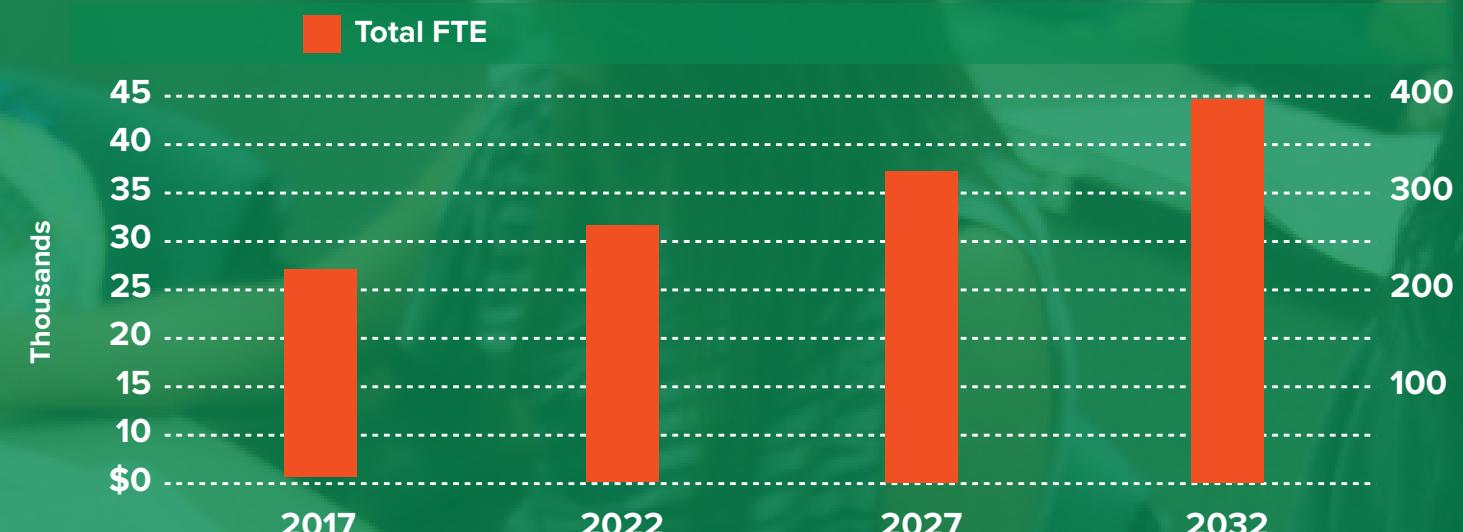
2017

2022

2027

2032

In Fall 2015 19,577 undergraduates, 1,980 masters and 151 doctoral student FTEs were enrolled at UTRGV. In addition, our calculations have included 55 students enrolled at the new Medical School in 2016. The faculty/staff and faculty/student ratios are 2:1 and 19:1. Existing net learning space of 675,077 sqft is being supplemented by an additional 198,869 net sqft currently under construction at Edinburg and Brownsville. The deficit in learning space indicated by our hybrid space prediction model is 176,000 net sqft.

**21,763**Total Enrollment  
(FTE)**2,186**

Graduate Enrollment (FTE)

**35%**

Classroom Utilization

**14%**

Online Learning

**873.9**

Gross Square Feet (M)

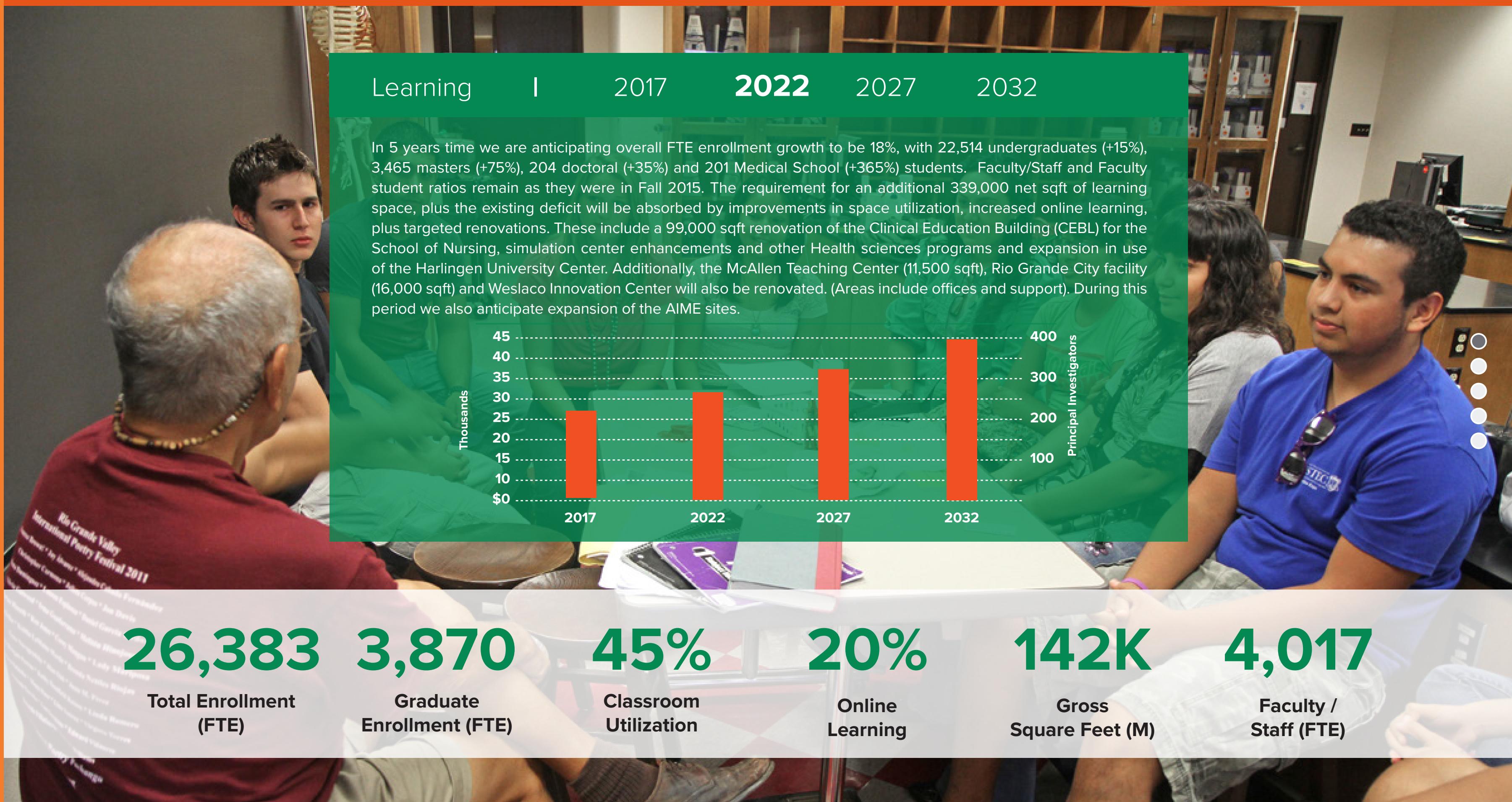
**3,493**

Faculty / Staff (FTE)

TYPE

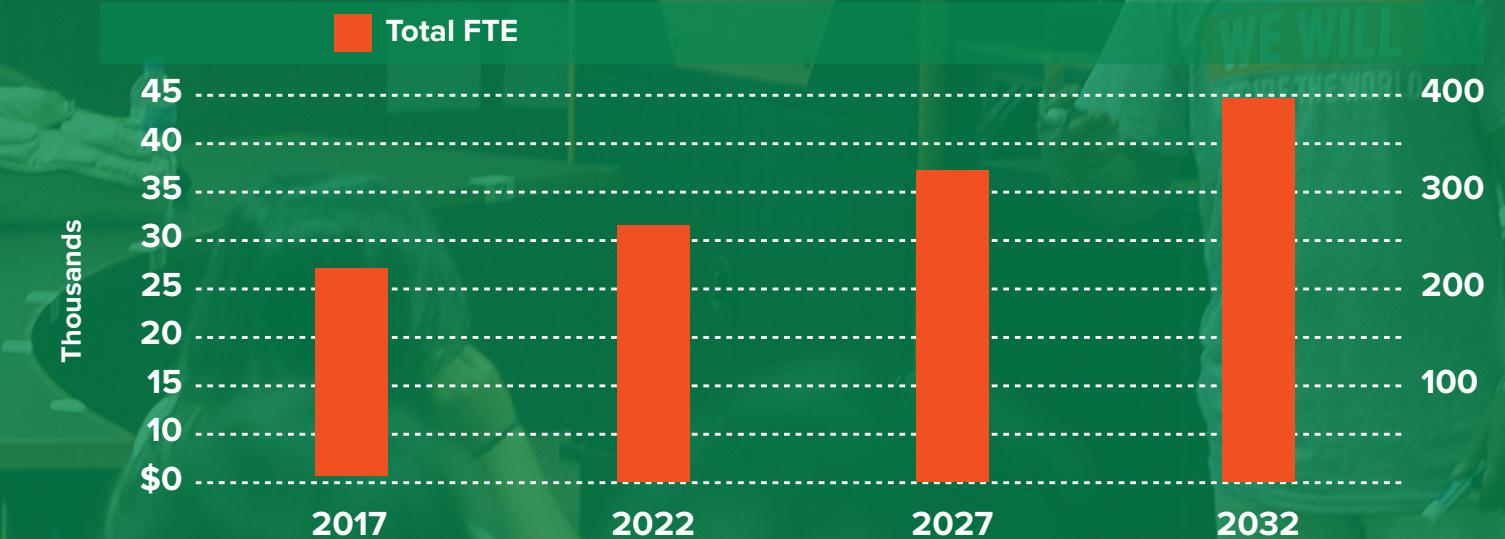
TIME

LOCATION



## Learning | 2017 2022 2027 2032

In 10 years time we are anticipating overall FTE enrollment growth to be 18%, with 25,891 undergraduates (+15%), 6,064 masters (+75%), 265 doctoral (+35%) and 201 Medical School (no change) students. Faculty/Staff and Faculty student ratios remain as they were in Fall 2015. The requirement for an additional 230,000 net sqft of learning space, will be absorbed by improvements in space utilization, increased online learning, plus new building projects. These include a 100,000 sqft expansion for Health Sciences programs at Harlingen. Additional expansions will occur at Brownsville (75,000 sqft), Edinburg (75,000 sqft), McAllen (20,000 sqft), Weslaco (20,000 sqft). (Areas include offices and support). 25,000 sqft of learning will also be embedded in the new research building at Port Isabel. During this period we also anticipate expansion of the AIME sites to encompass a wider range of experiential learning programs.

**32,420 6,530****Total Enrollment (FTE)****55%****Classroom Utilization****25%****Online Learning****315K****Gross Square Feet (M)****4,820****Faculty / Staff (FTE)**

TYPE

LOCATION

TIME



**39,373 10,893**

**Total Enrollment (FTE)**

**65%**

**Graduate Enrollment (FTE)**

**30%**

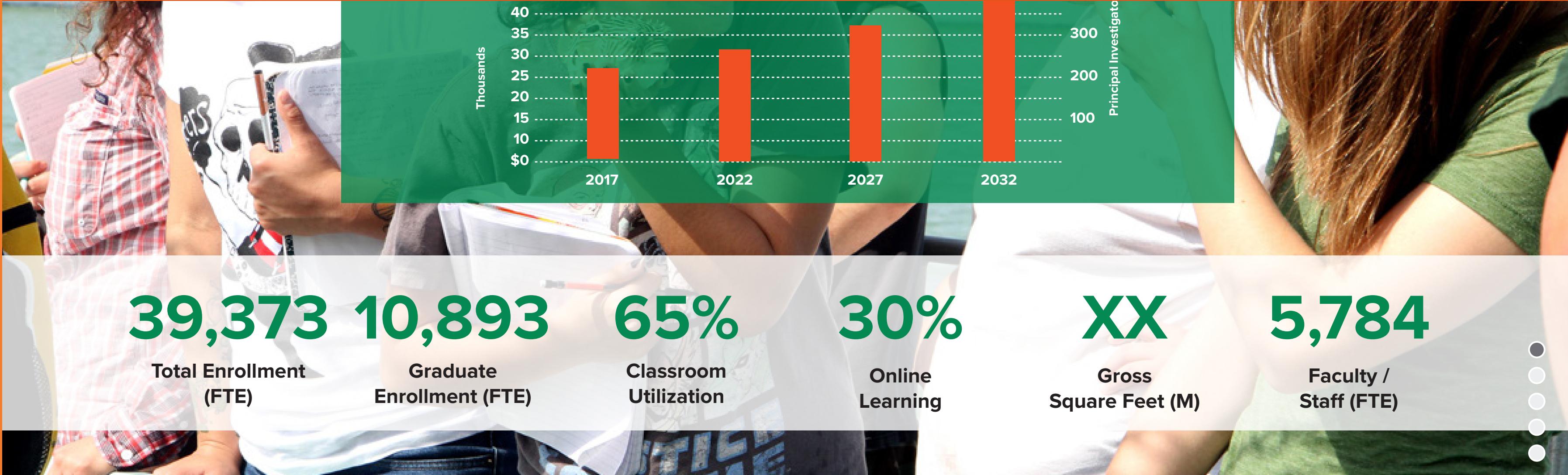
**Classroom Utilization**

**400K 5,784**

**Online Learning**

**Gross Square Feet (M)**

**Faculty / Staff (FTE)**



## How will we get there?

Enrollment growth, improvements, and increases in accessibility provided by a decentralized UTRGV will depend on the successful implementation of a new operational approach to learning delivery. This includes prioritizing program delivery in strategic locations, aligning learning with thematic research focuses, library and student services and enabling learning to anywhere, from anywhere using enhanced online and hybrid technologies.

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## 15-Year Growth Potential:

Brownsville  
**10,800 FTE\***

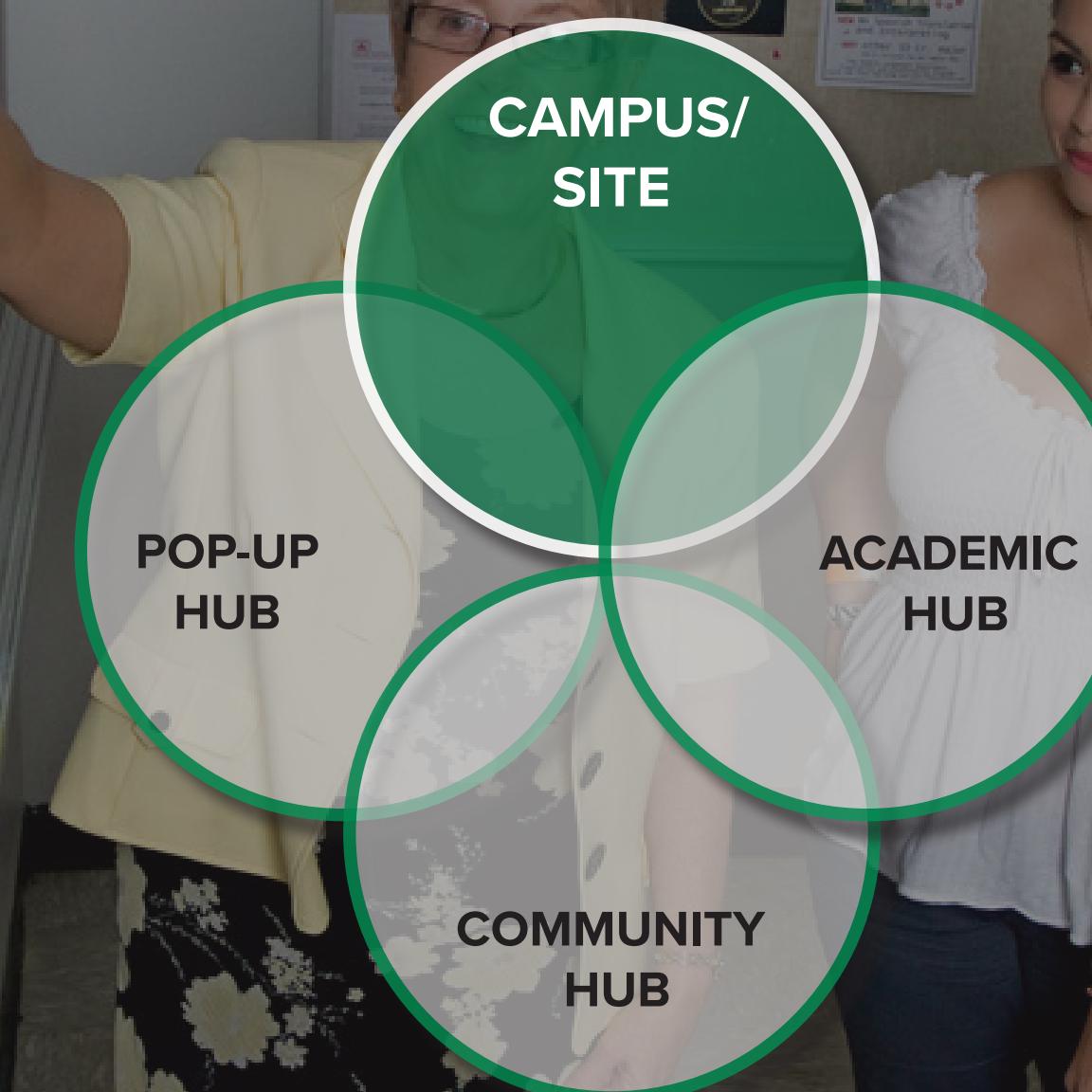
Edinburg  
**20,000 FTE\***

Harlingen  
**5,300 FTE\***

(includes Harlingen University Center)

## Increase learning on campus.

\* Approximations based on 70% classroom utilization, 60 hour teaching week, 70% seat fill, and average 14.5 contact hours. Targets achieved in 15 years.



Campuses and Sites contain a critical mass of learning, research, library, student services and support facilities, together with a major Bus Rapid Transit interchange. In addition to Brownsville and Edinburg, there will be major renovation and expansion at Harlingen focused on interprofessional learning and research in the health sciences.

Campuses/Sites:  
• Edinburg: All programs  
• Brownsville: All programs  
• Harlingen: Health Sciences

TYPE

LOCATION

TIME

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### 15-Year Growth Potential:

McAllen  
**2,256 FTE**

Port Isabel/South Padre Island  
**1,177 FTE**

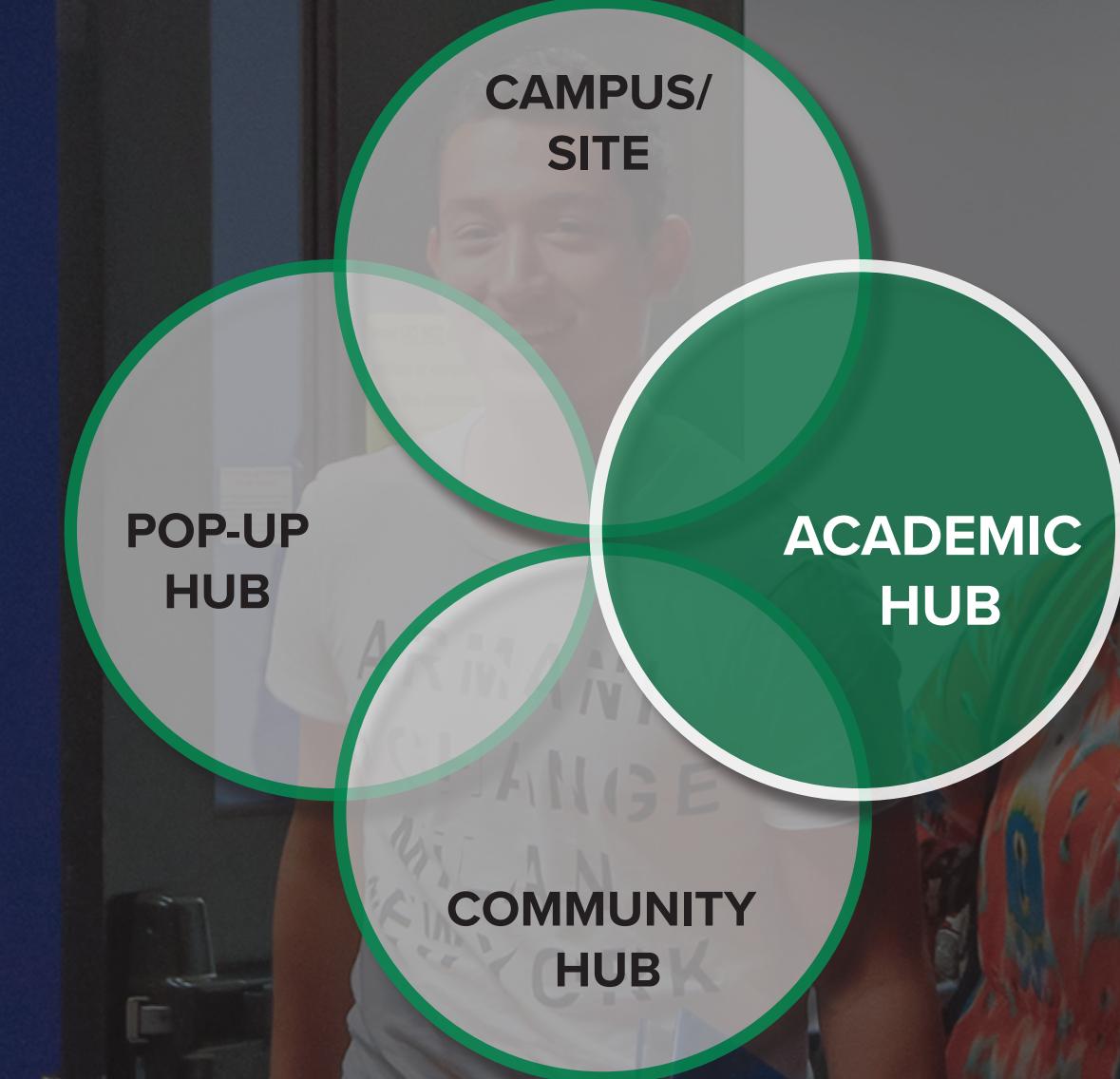
Rio Grande City  
**550 FTE**

Weslaco  
**1,835 FTE**

### Academic learning hubs along transit spine.

\* Approximations based on 70% classroom utilization, 60 hour teaching week, 70% seat fill, and average 14.5 contact hours.

Targets achieved in 15 years.



Academic Hubs are existing, upgraded UTRGV sites linked by the Bus Rapid Transit spine and a high definition digital network. Beginning as single buildings delivering learning in specific programs they will be initially upgraded with high quality study space and digital learning resources integrated with hybrid library and student services. Through aggressive marketing and progressive program transfers, later years will see these expanded as clusters of buildings delivering increased learning FTEs, integrated research, technology transfer and community services directly related to local workforce, cultural and social needs.

#### Academic Hubs and their focuses:

- Rio Grande City: General education and liberal arts
- Weslaco: Business, entrepreneurship and innovation
- McAllen: General education and liberal arts
- Port Isabel / South Padre Island: Water, coast and oceans

TYPE

LOCATION

TIME

# How will we get there?

Enrollment growth, improvements, and increases in accessibility provided by a decentralized UTRGV will depend on the successful implementation of a new operational approach to learning delivery. This includes prioritizing program delivery in strategic locations, aligning learning with thematic research focuses, library and student services and enabling learning to anywhere, from anywhere using enhanced online and hybrid technologies.

Alamo Community Resource Center

City of La Feria Facility

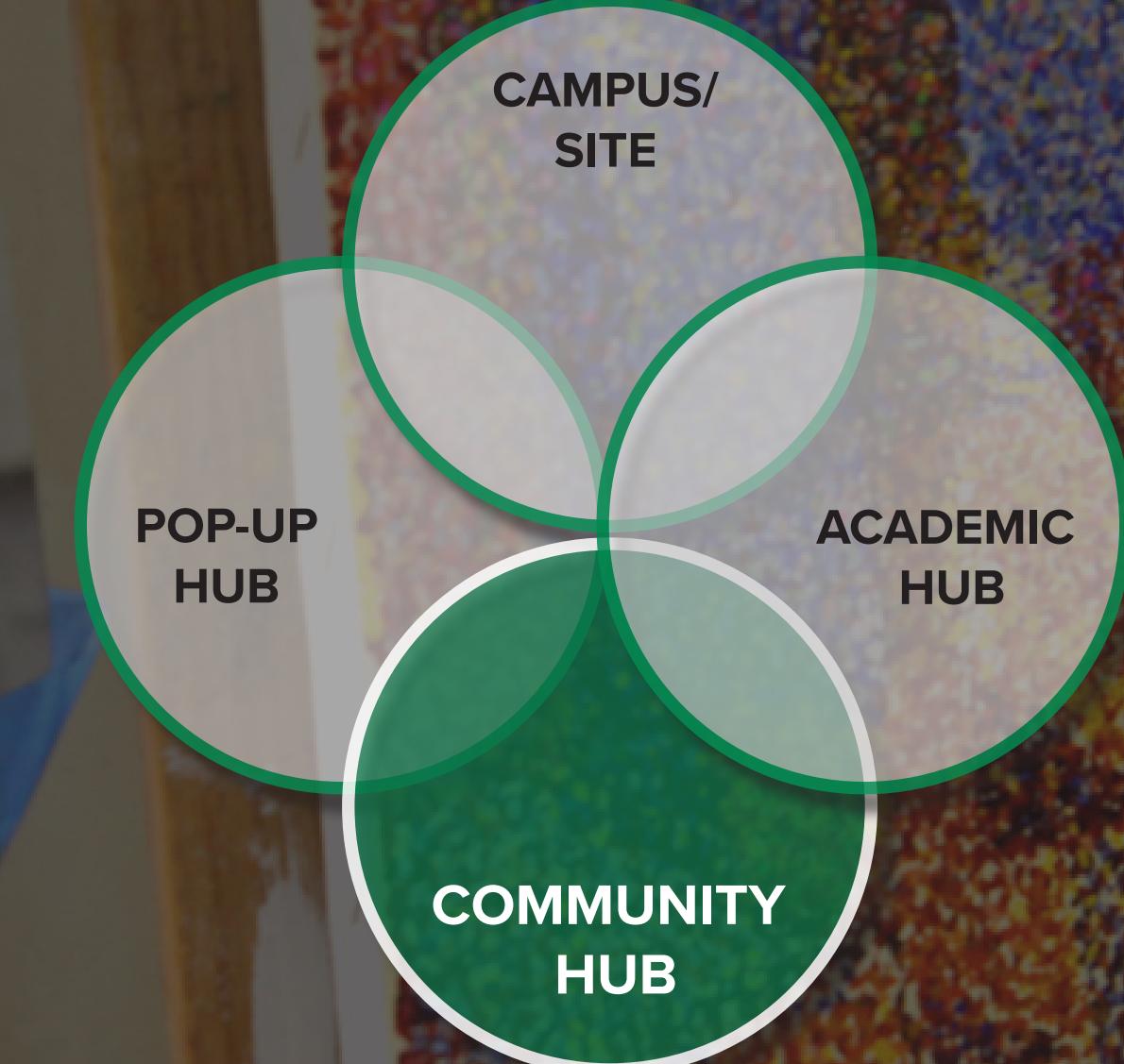
San Carlos Community Resource Center

El Paraiso Hidalgo Community Facility

Proyecto Desarrollo Humano

La Victoria Starr County Facility

**Learning through experience.**



The goal of the Community Hubs is to provide experiential team based education for small interdisciplinary groups of students to improve the health of the population while providing public service. Initially focused on Ambulatory Interprofessional Medical Education (AIME), the program will provide 150 Medical and Health Professions students opportunities to partner with community members at 6 locations to understand the needs of their communities and develop integrated solutions. Over the next 5 years, as the program gains traction, it is anticipated that around 600 students from a wider range of UTRGV disciplines could be learning, researching and working in around 25 locations across the Valley.

#### Existing AIME Sites:

- Alamo Community Resource Center
- City of La Feria Facility
- San Carlos Community Center Resource Center
- El Paraiso Hidalgo Community Facility
- Proyecto Desarrollo Humano
- La Victoria Starr County Facility

## How will we get there?

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Public Libraries

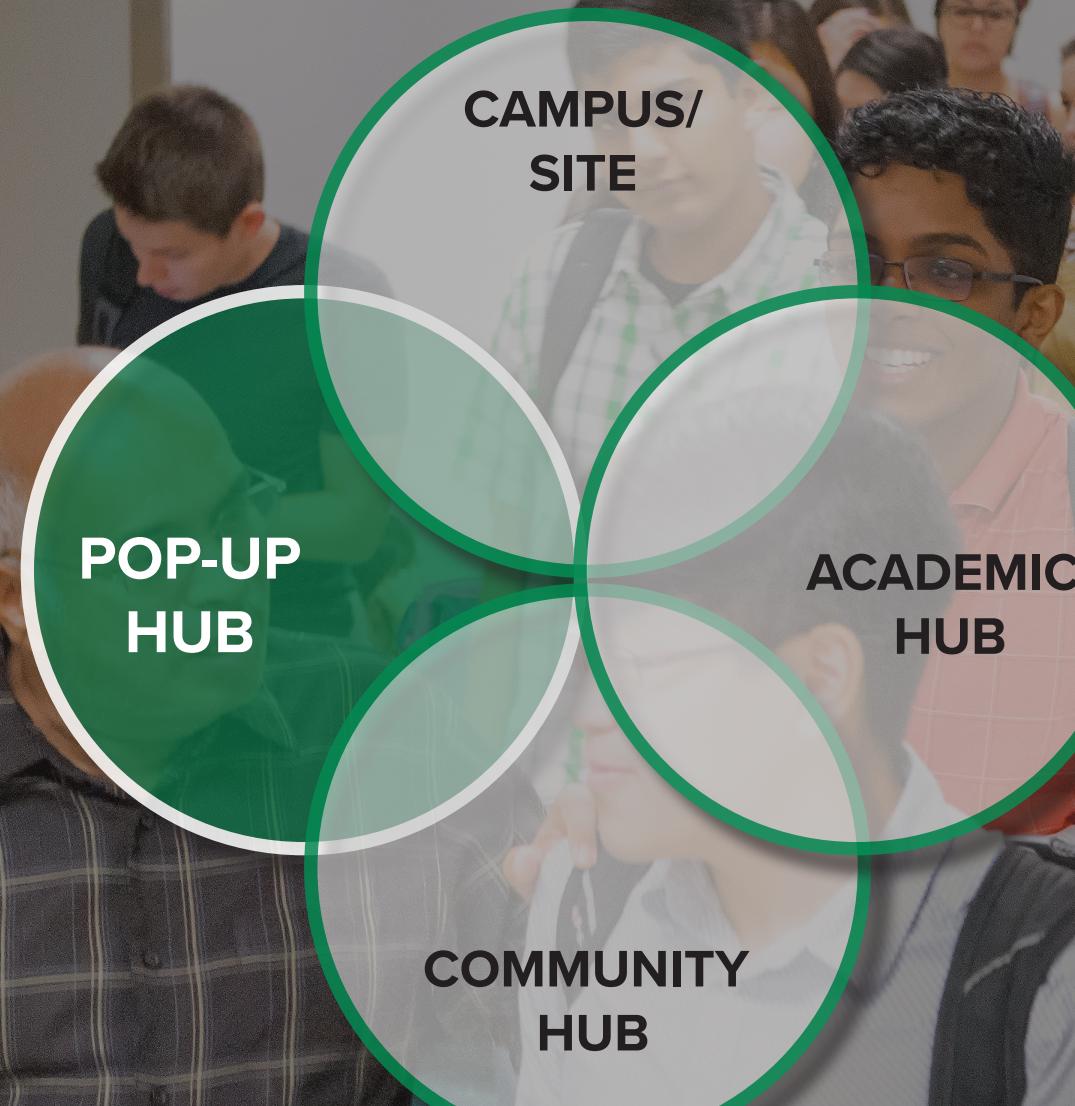
Local Retailers

Medical Centers

Education Partners

Community Sites

**Pop-up locations increase community engagement.**



Pop-Up Hubs are small interventions at existing retail or community-owned sites that spread awareness for UTRGV, provide student support services, have a wi-fi connection, or other much-needed services.

These sites may be public libraries, health and community centers, high-traffic stores, or other public or private locations scattered throughout the Valley. No tenant improvement needed.

### Potential Pop-Up Hub Locations:

- Public libraries
- Local retailers
- Medical Centers
- Education Partners
- Community Sites

TYPE

LOCATION

TIME

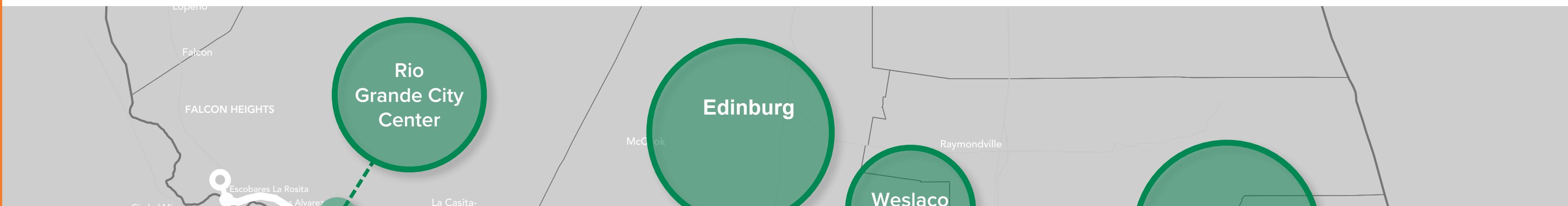


**Pop-up locations  
increase  
community  
engagement.**

- Public libraries
- Local retailers
- Medical Centers
- Education Partners
- Community Sites

## UTRGV Learning Sites

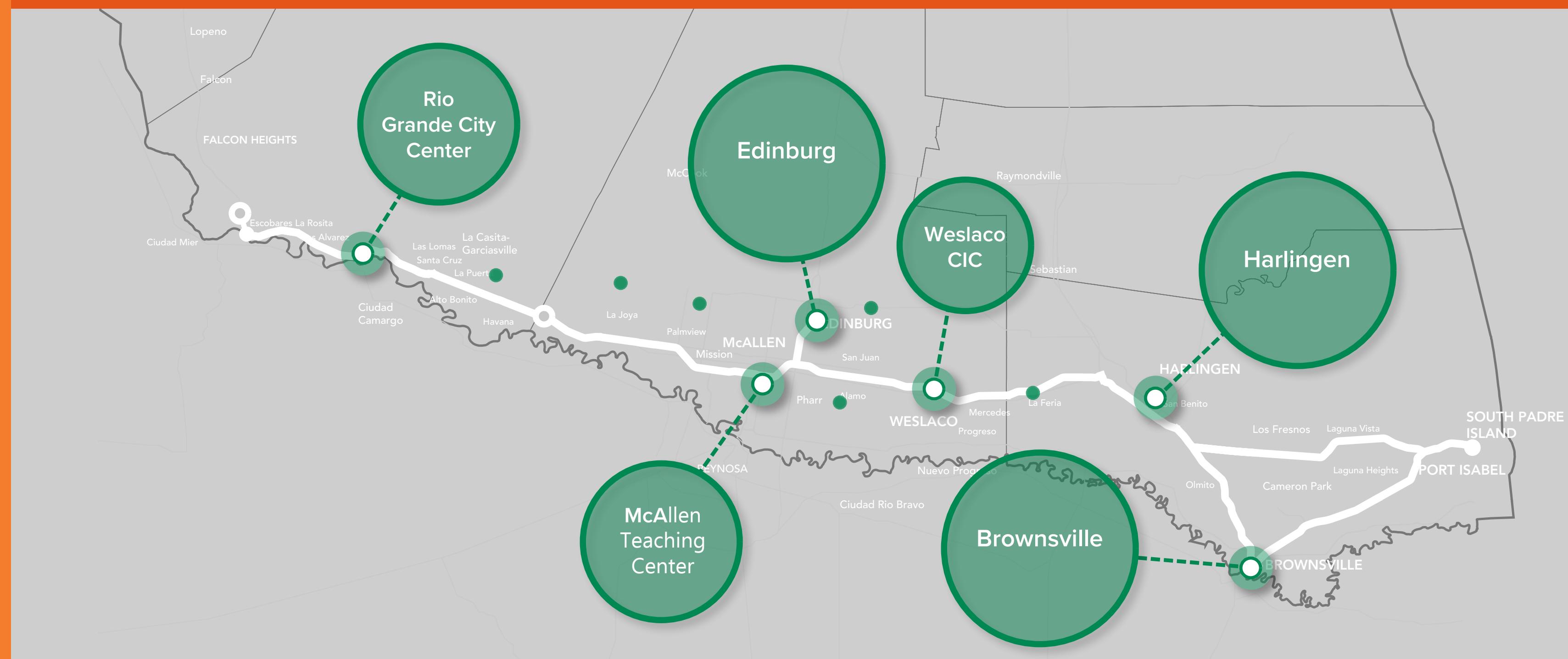
Learning at UTRGV will be spread across the Valley, taking advantage of existing resources at UTRGV locations, and investing strategically to create a distributed collection of Centers of Excellence.



TYPE

LOCATION

TIME



## UTRGV Learning Sites

### Distributed Learning

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## Learning in **HARLINGEN**

Harlingen will be developed to accommodate enrollment growth in the health sciences. Renovation of the Clinical Education Building will increase specialized learning, teaching lab and library space, but will require the relocation of Medical School and other administrative offices. Renovation of the second floor of the Clinical Research Building will improve simulation facilities and their utilization. Increased use of the nearby Harlingen University Center will enable greater growth in health sciences enrollment to be absorbed.

## HARLINGEN

**Classification:** Campus/Site

**Focus:** Health + Medical Education

**Program Areas**

- Medical School
- Nursing
- Nutrition Science
- Physical Therapy
- Pharmacy

**Learning Projects:**

**Year 5:**

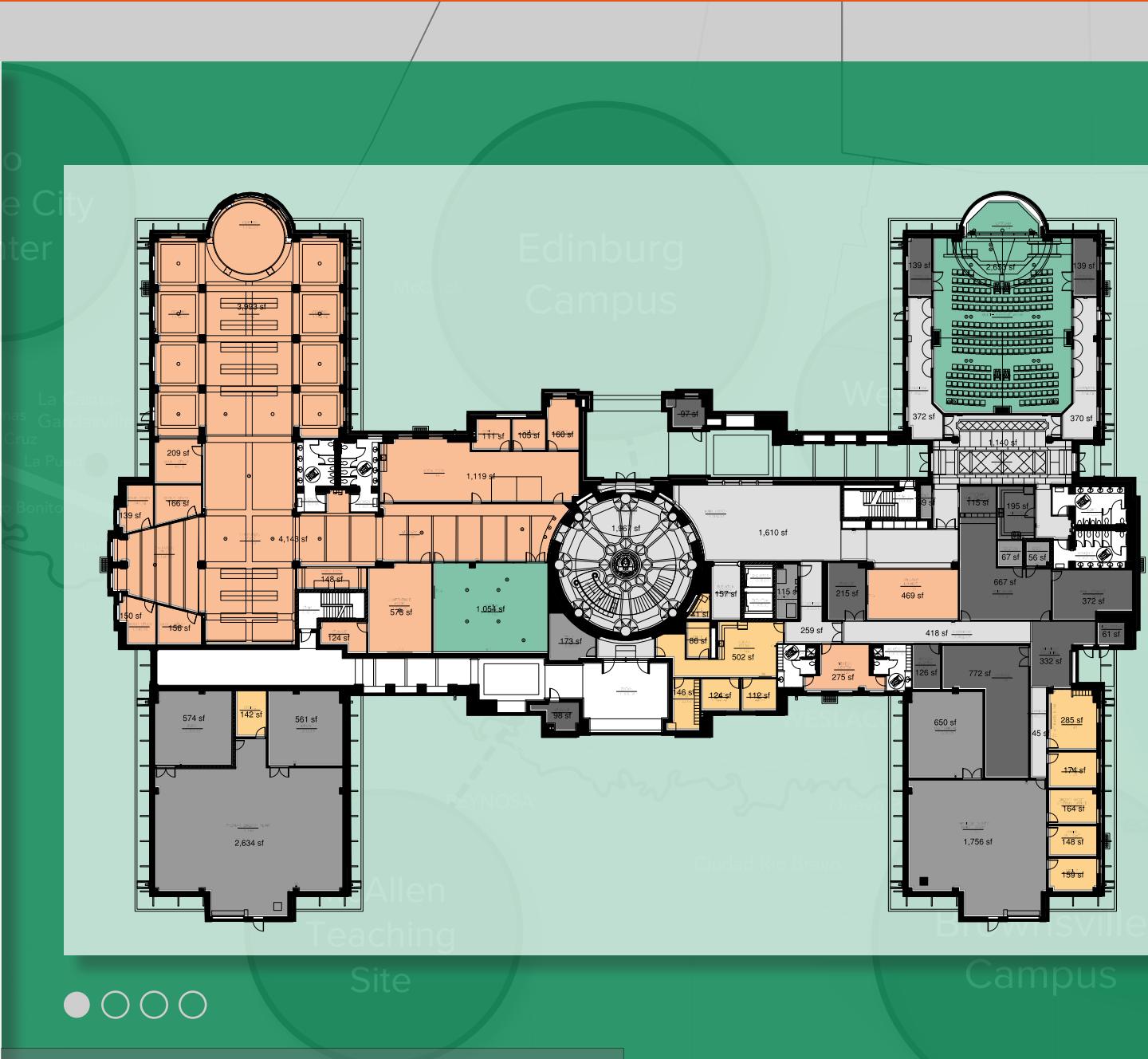
- Clinical Education Building Renovation (99K GSF)
- Smart Hospital Renovation (23K GSF)
- Harlingen University Center Expansion of Use (33K GSF)

**Year 10:**

- Health + Medical Education Learning Building (100,000 GSF)

**Year 15:**

- Health + Medical Education Learning Building (100,000 GSF)



## Clinical Education Building

### First Floor

Learning	3,707 ASF
Library / Union	12,040 ASF
Office	2,083 ASF
Circulation	6,438 ASF
Mechanical	6,625 ASF
Storage / Service	3,328 ASF

Renovation may provide up to 22,500 asf learning space accommodating over 1,000 student FTEs, assuming high levels of utilization, seat fill and operating hours.

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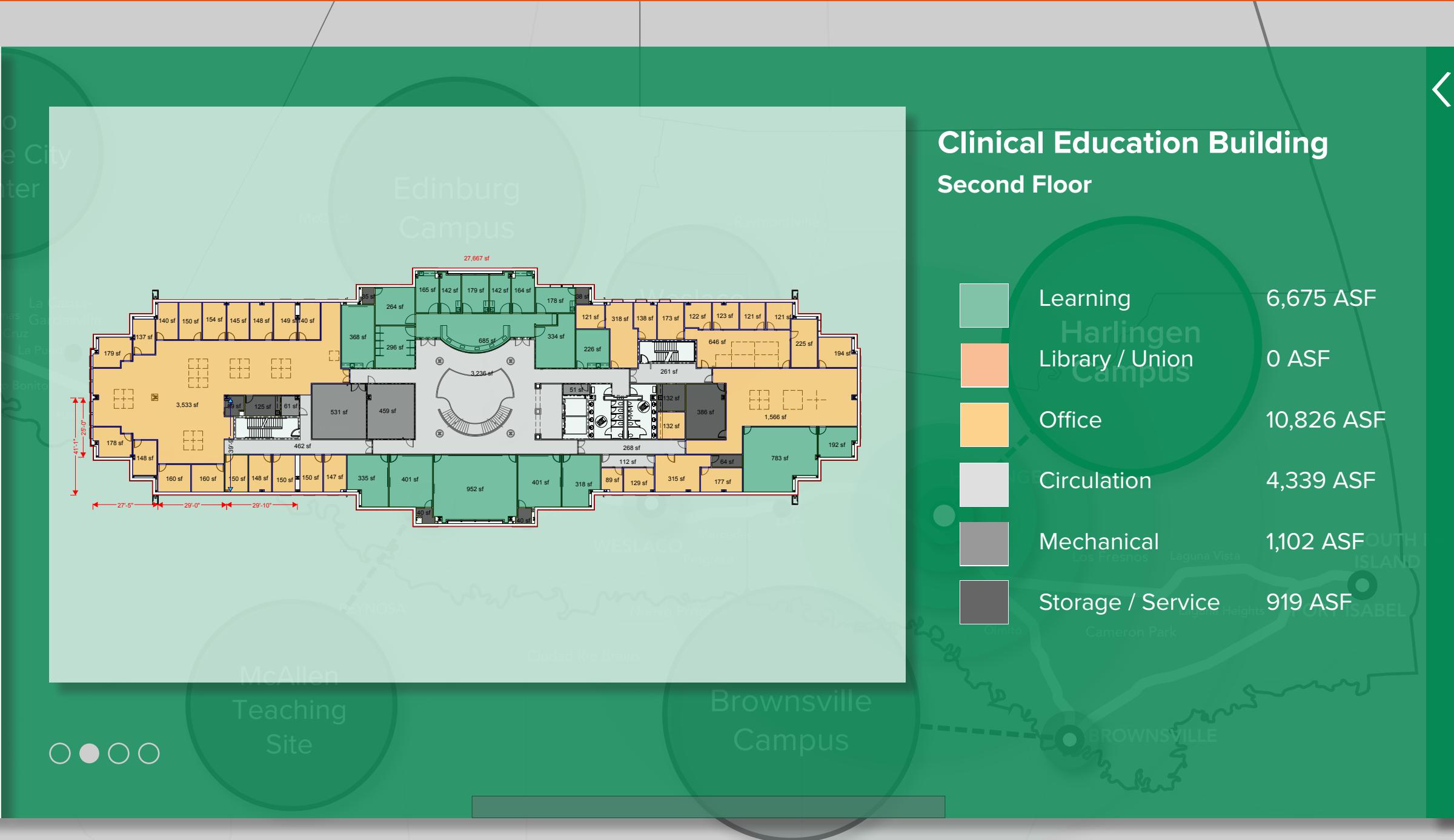
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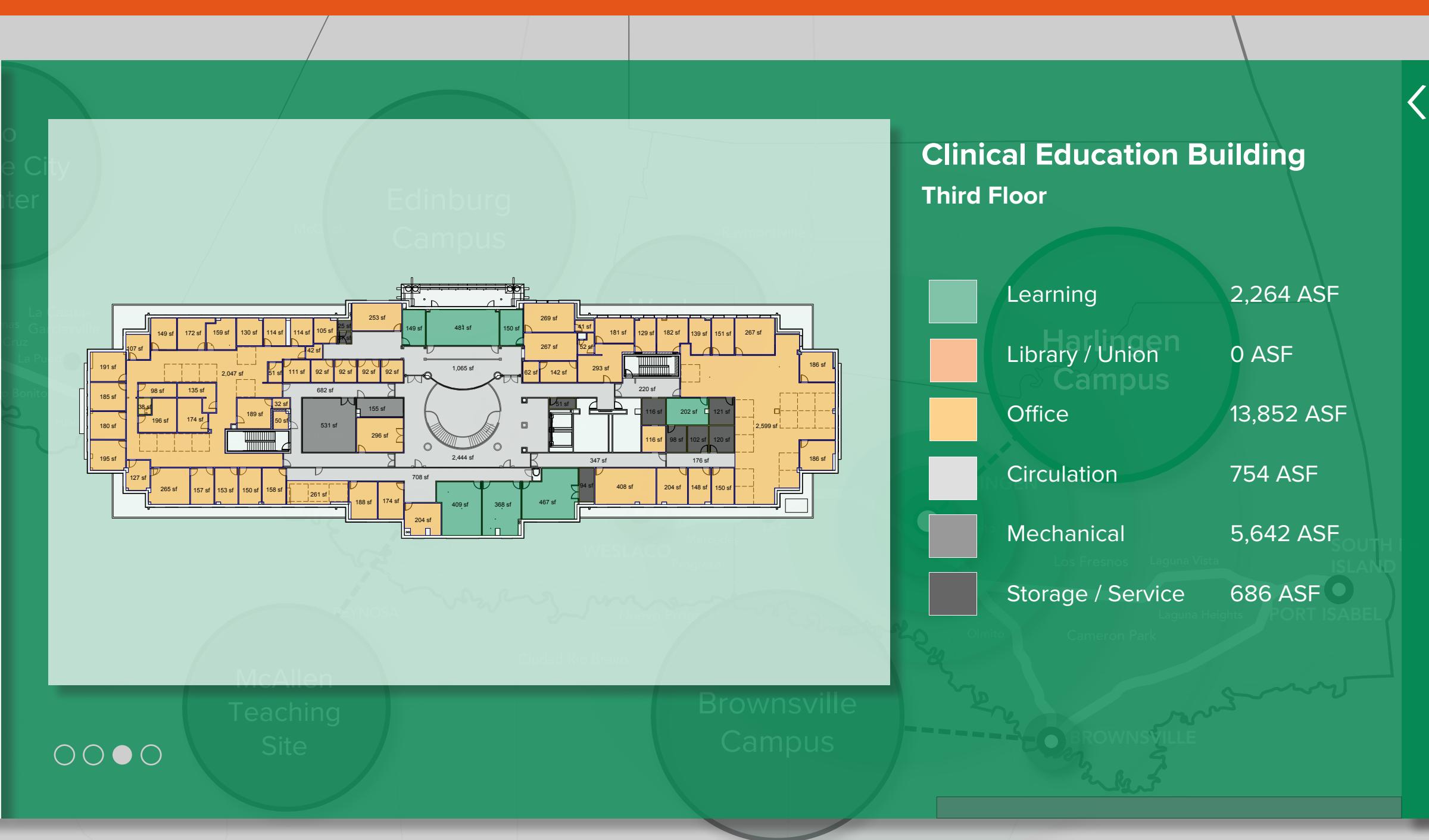
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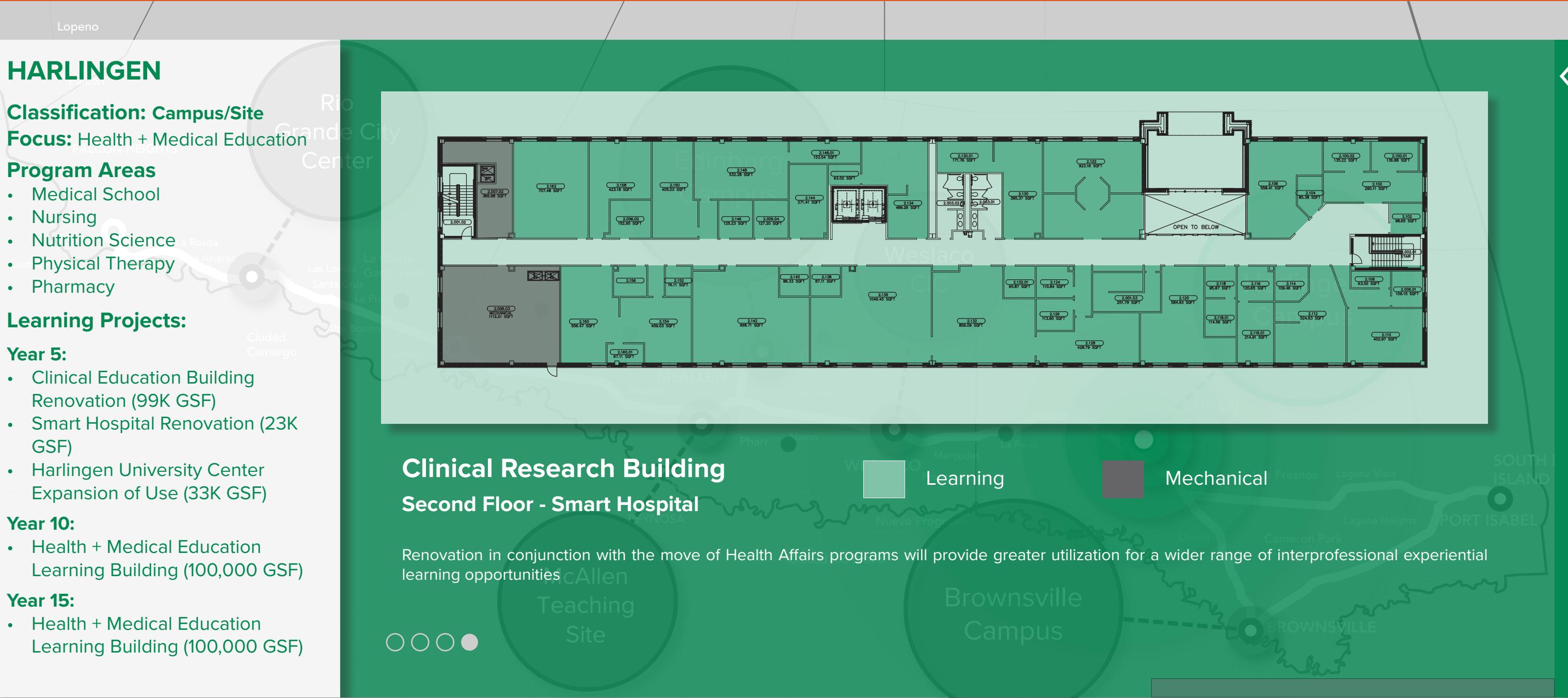
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- Health + Medical Education Learning Building (100,000 GSF)



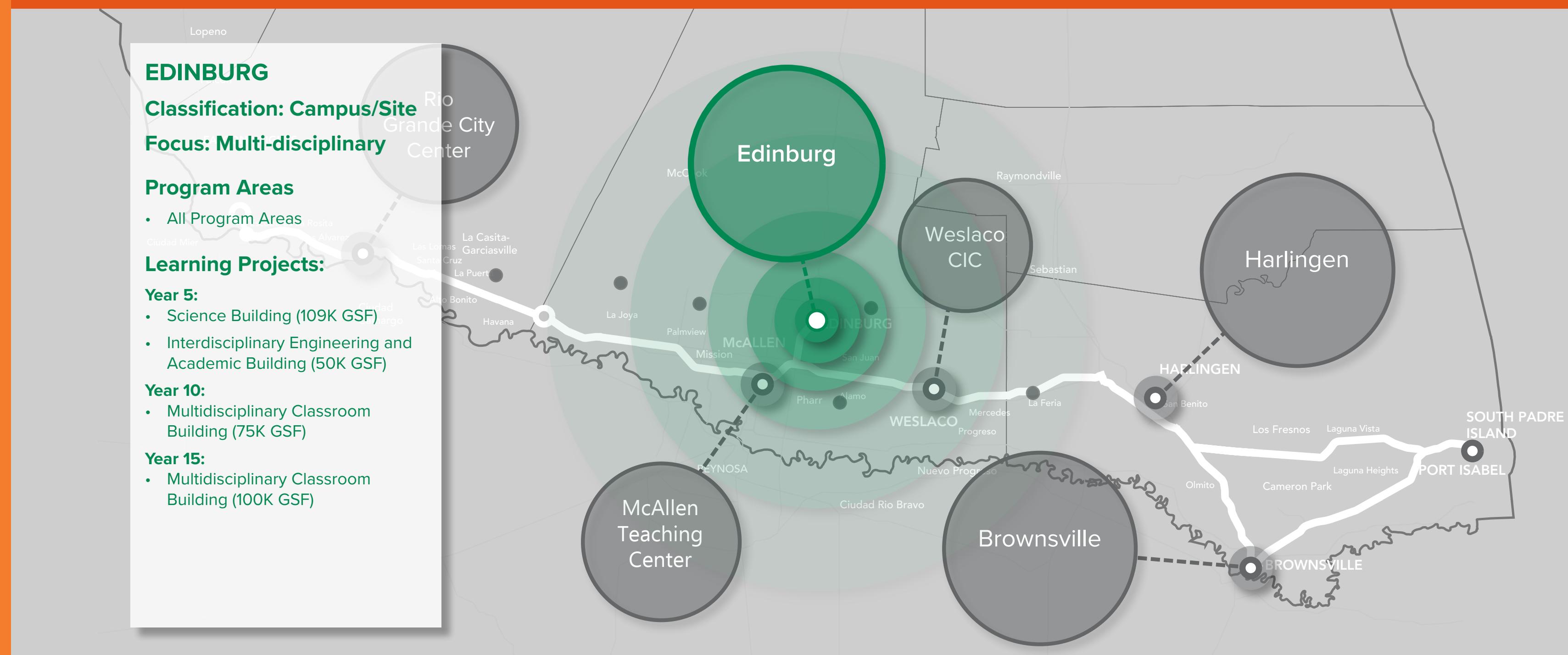
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# Learning in EDINBURGH

Edinbu

It is anticipated that enrollment growth over the next 5 years will be accommodated by improvements in classroom utilization, together with increases in online learning and the completion of current approved classroom projects. From year 5 to year 15 the construction of two new interdisciplinary classroom buildings will accommodate enrollment growth.

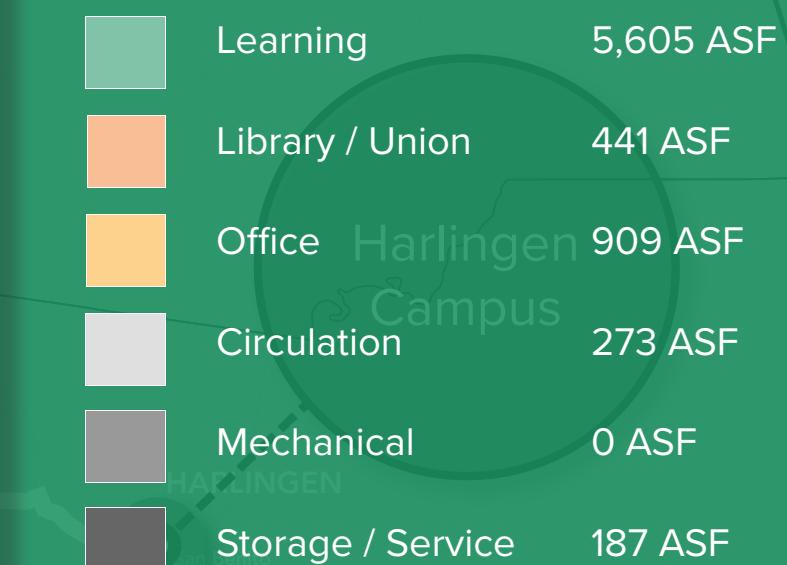


## Learning in McALLEN

### McAllen Teaching Center

It is anticipated that the existing McAllen Teaching Center will be renovated and its program offerings broadened to accommodate a wider base of hybrid learning opportunities. Through improvements in utilization and hours of use there is the opportunity to accommodate approximately 450 FTEs within 5 years (Currently approximately 100 FTE at 18% Utilization). Over the long term, it is anticipated that this academic hub would expand through relocation and increased utilization to over 1,000 FTE.

McAllen Teaching Center

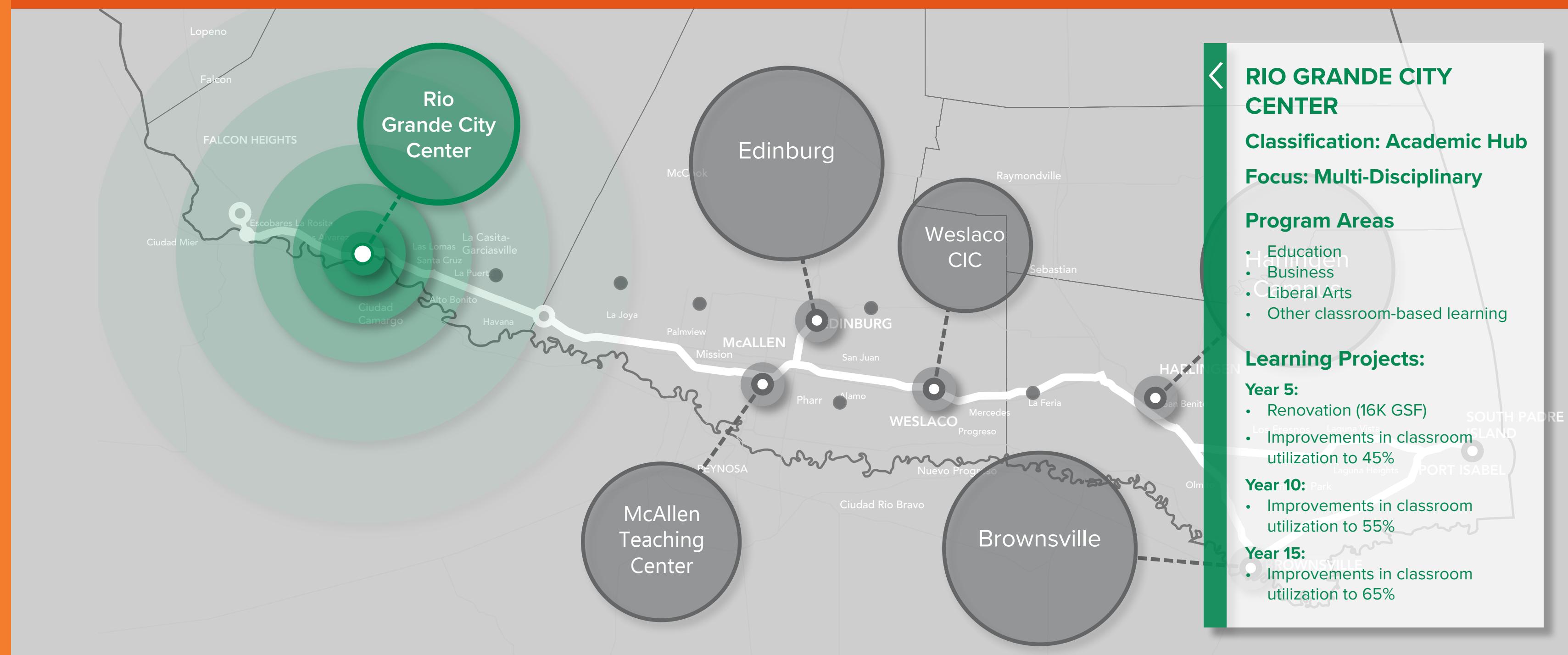


Currently utilized at an average of 18%, this location holds significant opportunities for increasing learning accessibility.

McAllen Teaching Cen

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# Learning in McALLEN



## Learning in RIO GRANDE CITY

### Rio Grande City Center (Currently Upper Level Center)

It is anticipated that the existing Upper Level Center will be renovated and its program offerings broadened to accommodate a wider base of hybrid learning opportunities. Through improvements in utilization and hours of use there is the opportunity to accommodate approximately 700 FTEs.

Lopeno

## Rio Grande City Center

FALCON HEIGHTS

Learning

Library / Union

Office

Circulation

Mechanical

Storage / Service

Currently utilized at an average of 18%, this location holds significant opportunities for increasing learning accessibility.



## RIO GRANDE CITY CENTER

**Classification: Academic Hub****Focus: Multi-Disciplinary**

### Program Areas

- Education
- Business
- Liberal Arts
- Other classroom-based learning

### Learning Projects:

#### Year 5:

- Renovation (16K GSF)
- Improvements in classroom utilization to 45%

#### Year 10:

- Improvements in classroom utilization to 55%

#### Year 15:

- Improvements in classroom utilization to 65%

TYPE

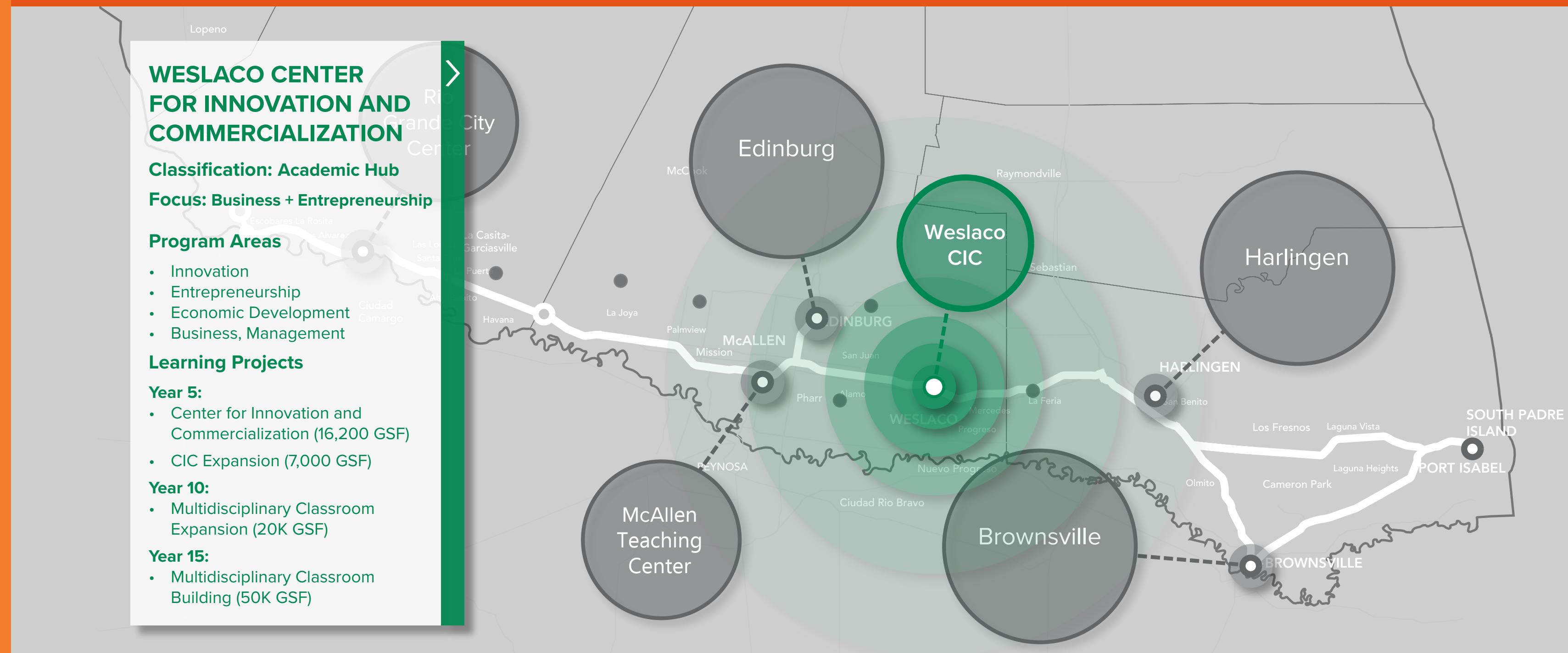
LOCATION

TIME

## Learning in RIO GRANDE CITY

### Rio Grande City Center (Currently Upper Level Center)

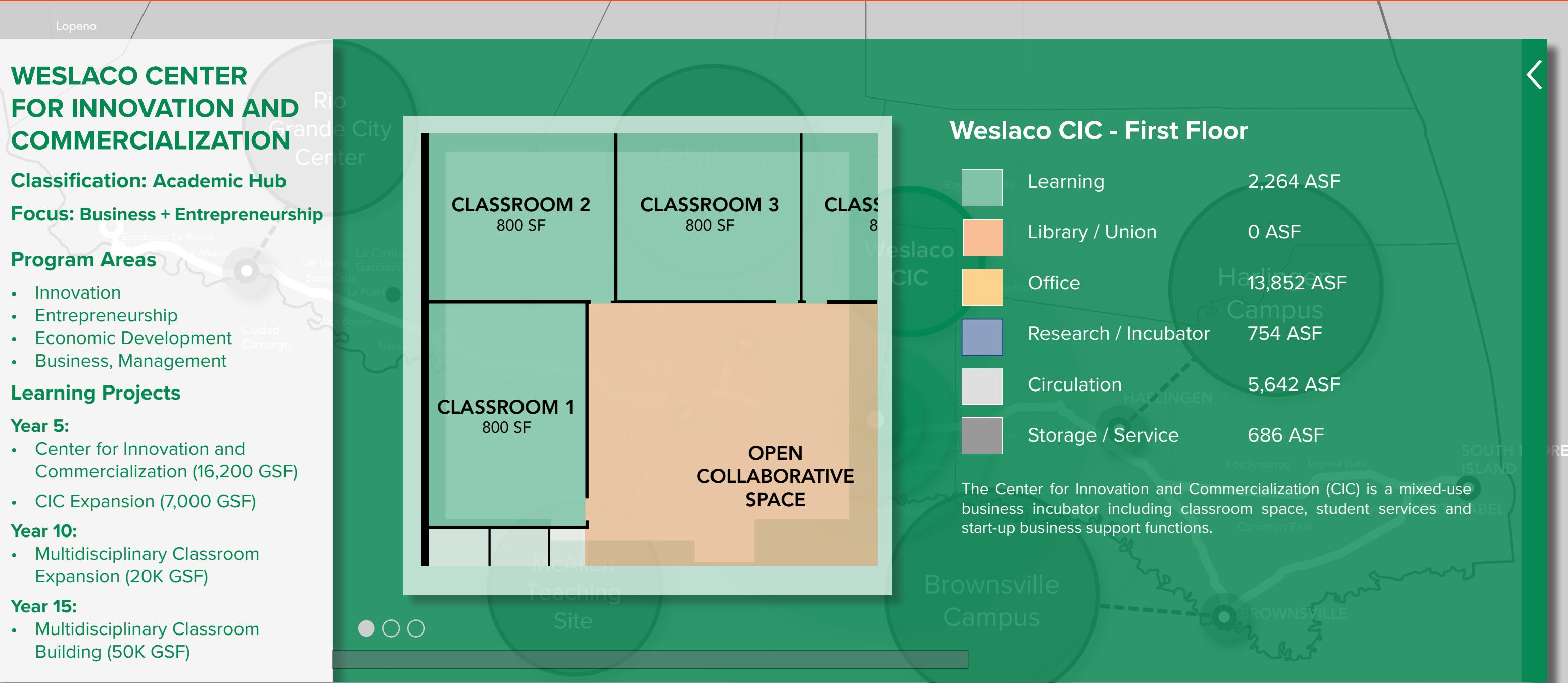
It is anticipated that the existing Upper Level Center will be renovated and its program offerings broadened to accommodate a wider base of hybrid learning opportunities. Through improvements in utilization and hours of use there is the opportunity to accommodate approximately 700 FTEs



## Learning in WESLACO

### Weslaco Center for Innovation and Commercialization (CIC)

The Center for Innovation and Commercialization will open late 2017 and subject to its success, it is envisioned that it would be expanded during the next 5 years. Over the next 15 years it is envisioned that this site would be expanded to become a small campus/site accommodating a wider range of multidisciplinary learning and eventually a Graduate School of Business.



## Learning in WESLACO

### Weslaco Center for Innovation and Commercialization (CIC)

The Center for Innovation and Commercialization will open late spring 2017 and subject to its success, it is envisioned that it would be expanded during the next 5 years. Over the next 15 years it is envisioned that this site would be expanded to become a small campus/site accommodating a wider range of multidisciplinary learning and eventually a Graduate School of Business.

## WESLACO CENTER FOR INNOVATION AND COMMERCIALIZATION

**Classification:** Academic Hub

**Focus:** Business + Entrepreneurship

### Program Areas

- Innovation
- Entrepreneurship
- Economic Development
- Business, Management

### Learning Projects

#### Year 5:

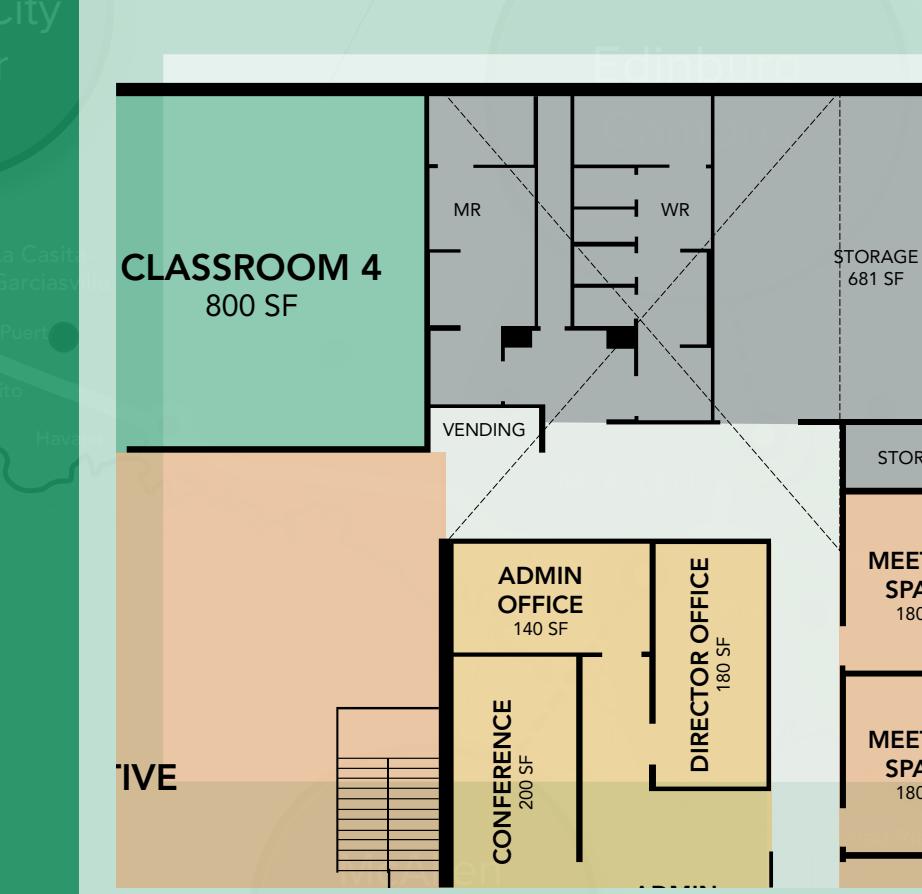
- Center for Innovation and Commercialization (16,200 GSF)
- CIC Expansion (7,000 GSF)

#### Year 10:

- Multidisciplinary Classroom Expansion (20K GSF)

#### Year 15:

- Multidisciplinary Classroom Building (50K GSF)



## Weslaco CIC - Second Floor

Learning	2,264 ASF
Library / Union	0 ASF
Office	13,852 ASF
Research / Incubator	754 ASF
Circulation	5,642 ASF
Storage / Service	686 ASF

The Center for Innovation and Commercialization (CIC) is a mixed-use business incubator including classroom space, student services and start-up business support functions.

## Learning in WESLACO

## Weslaco Center for Innovation and Commercialization (CIC)

The Center for Innovation and Commercialization will open late spring 2017 and subject to its success, it is envisioned that it would be expanded during the next 5 years. Over the next 15 years it is envisioned that this site would be expanded to become a small campus/site accommodating a wider range of multidisciplinary learning and eventually a Graduate School of Business.

## WESLACO CENTER FOR INNOVATION AND COMMERCIALIZATION

**Classification:** Academic Hub

**Focus:** Business + Entrepreneurship

### Program Areas

- Innovation
- Entrepreneurship
- Economic Development
- Business, Management

### Learning Projects

#### Year 5:

- Center for Innovation and Commercialization (16,200 GSF)
- CIC Expansion (7,000 GSF)

#### Year 10:

- Multidisciplinary Classroom Expansion (20K GSF)

#### Year 15:

- Multidisciplinary Classroom Building (50K GSF)



The collaborative partnership between UTRGV, the City of Weslaco, and the Weslaco Economic Development Center (WEDC), will expand the UTRGV Robert C. Vackar College of Business and Entrepreneurships existing Center for Innovation and Commercialization.



Site

Campus

TYPE  
LOCATION  
TIME

## Learning in WESLACO

### Weslaco Center for Innovation and Commercialization (CIC)

The Center for Innovation and Commercialization will open late spring 2017 and subject to its success, it is envisioned that it would be expanded during the next 5 years. Over the next 15 years it is envisioned that this site would be expanded to become a small campus/site accommodating a wider range of multidisciplinary learning and eventually a Graduate School of Business.



## Learning in BROWNSVILLE

### Brownsville

It is anticipated that enrollment growth over the next 5 years will be accommodated by improvements in classroom utilization, together with increases in on line learning and the completion of current approved classroom projects. From year 5 to year 15 the construction of two new interdisciplinary classroom buildings will accommodate enrollment growth.

## AIME SITES

### Classification: Community Hub

FALCON HEIGHTS

### Focus: Health + Medical Education

### Program Areas

- Population Health
- Health Disparities
- Cultural Diversity
- Culturally Competent Practice

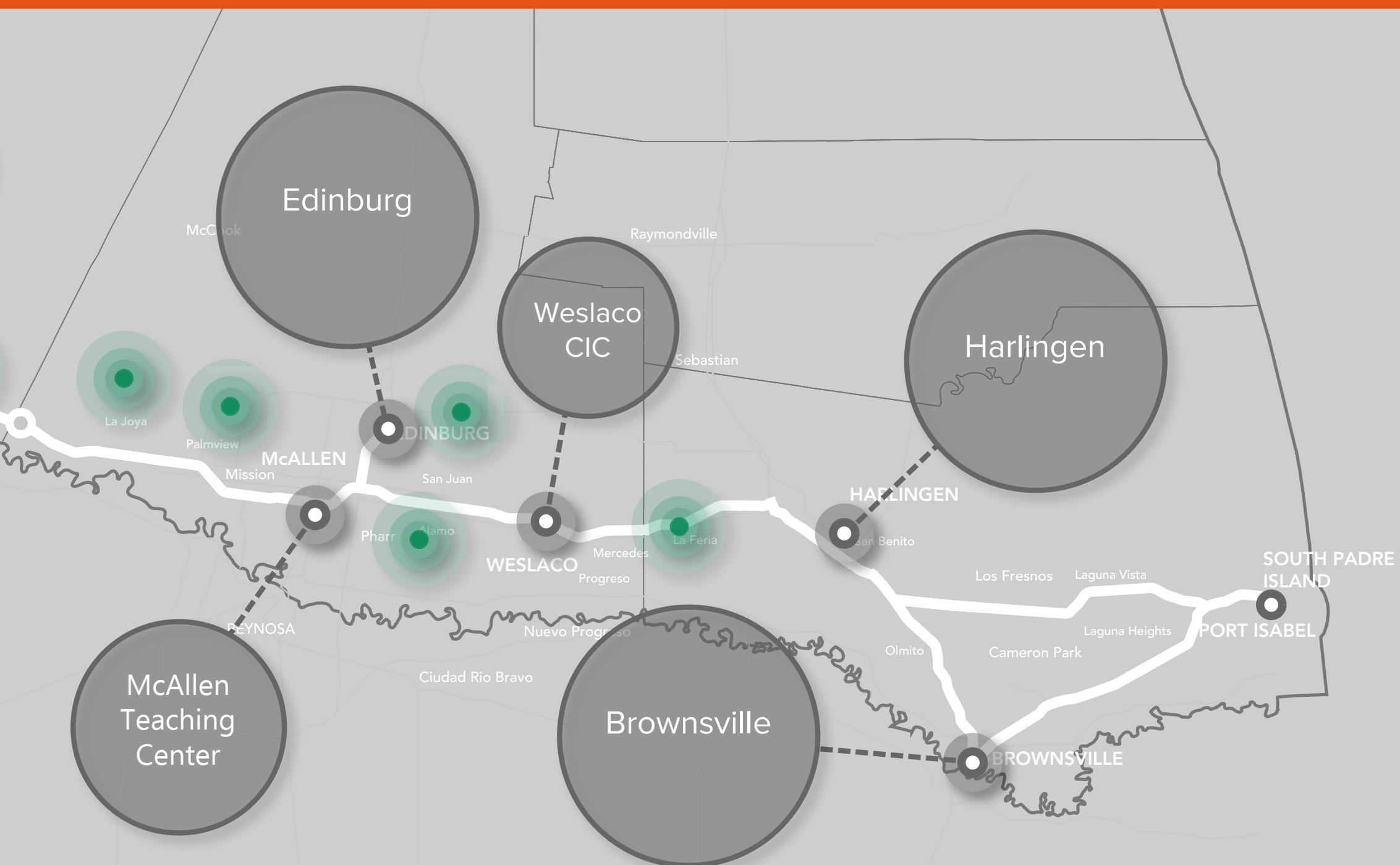
### Learning Projects:

#### Year 5:

- Proof of concept for 6 sites
- Possible expansion to 24 sites

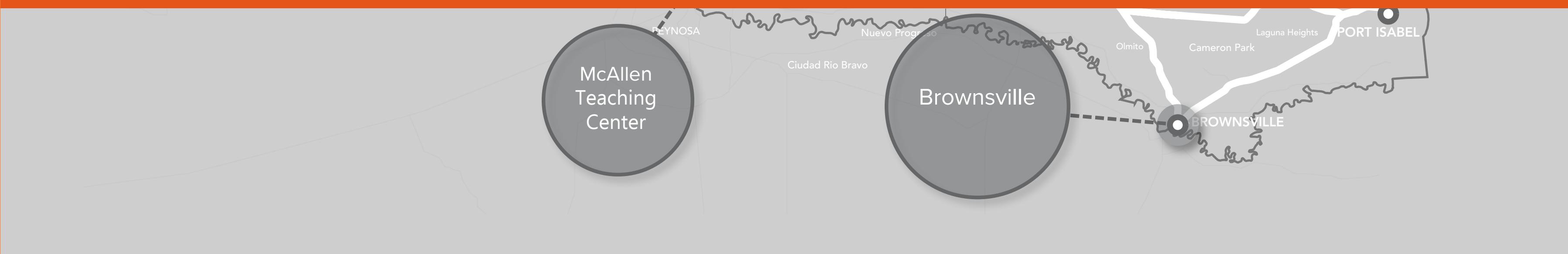
#### Year 10:

- Possible expansion of certain sites for non-health-related programs



## Learning at the AIME SITES

The goal of the UTRGV Interprofessional Practice and Education (IPE) program is to provide experiential learning opportunities for interdisciplinary student teams to improve the health of communities while providing public service. Six sites have been offered by Community health organizations for this purpose at no expense and are currently under consideration by UTRGV. Expansion of these AIME sites from 6 to more than 25 over the next 5 years will enable wider groups of students to engage directly in health and wellness programs region wide. Following successful implementation, it is likely that program offerings at these sites could be broadened to non-health disciplines and research.



TYPE

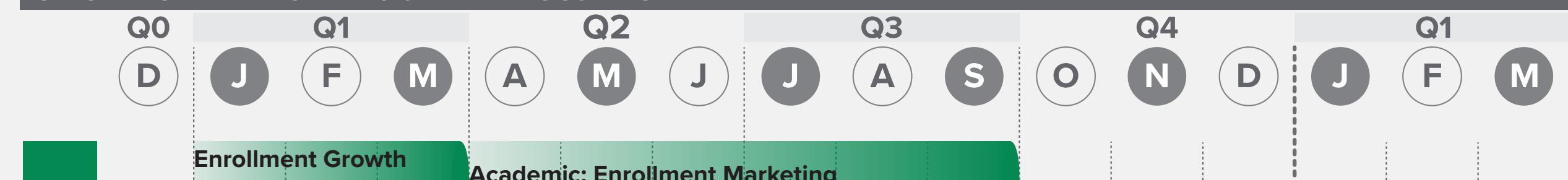
*Successful transformation resides in a learning initiatives team with the empowerment to take on the development of facilities as well as academic business, human resources and operations planning. An enhanced planning team that was involved with both the Master Plan and Strategic Plan would be ideal.*

LOCATION

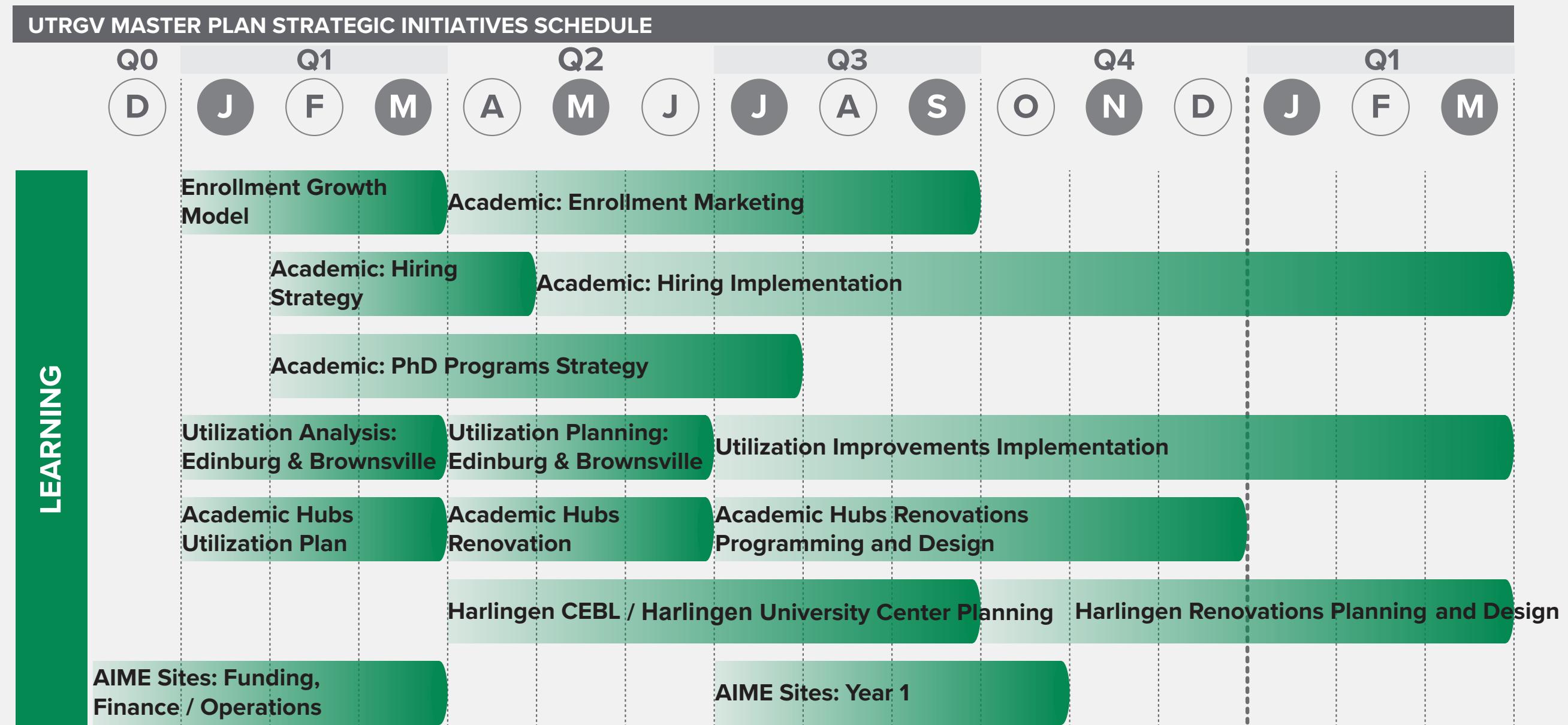
TIME

#### Strategic Initiatives Schedule

##### UTRGV MASTER PLAN STRATEGIC INITIATIVES SCHEDULE



## Strategic Initiatives Schedule

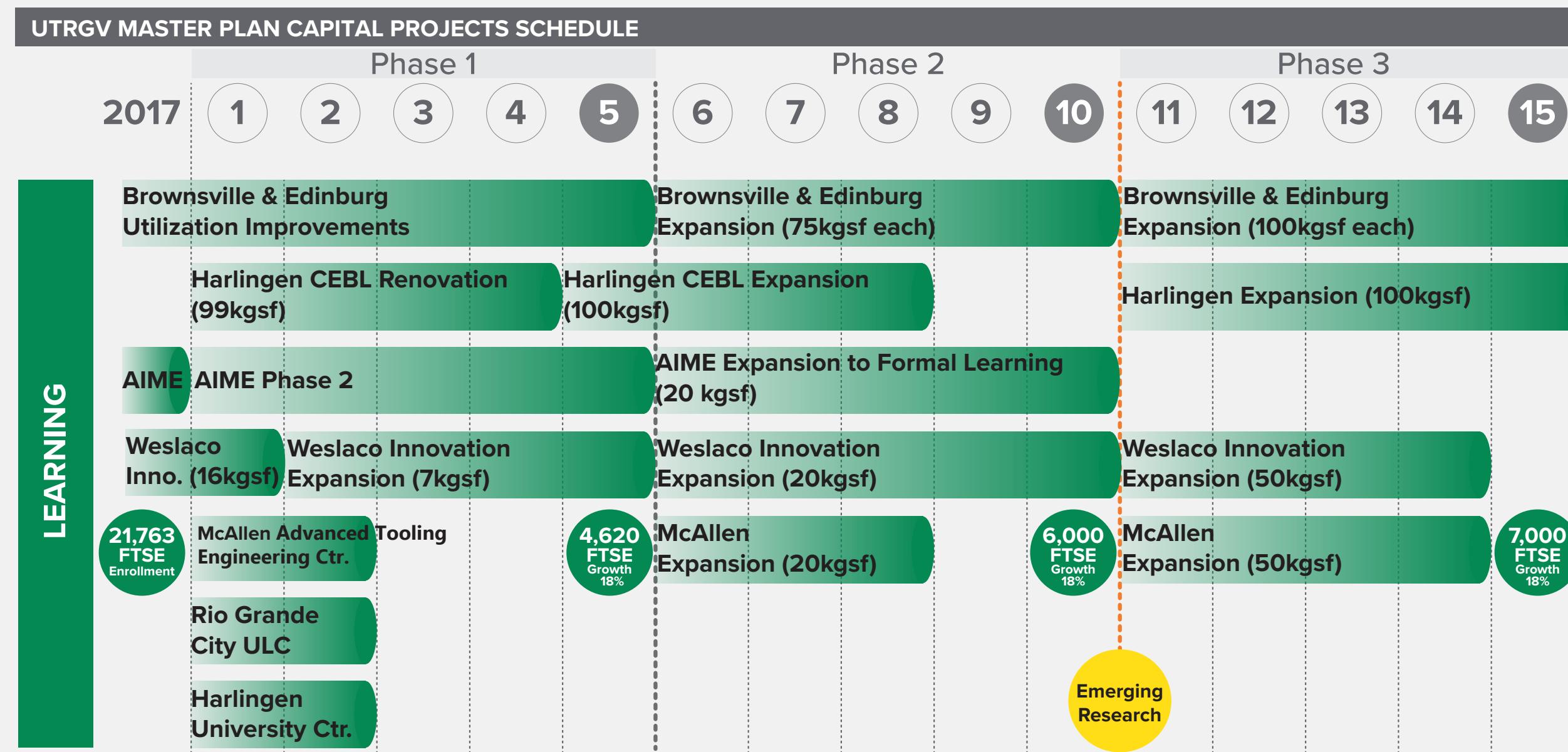


## Learning Strategic Initiatives Schedule

The Learning Initiatives team will develop a detailed enrollment model for each of the campuses/sites and academic hubs, together with a PhD program expansion plan. This would be integrated with utilization improvement, academic hub renovation and marketing plans to ensure that growth targets can be met with efficient learning delivery in all locations.

To view the complete strategic initiatives schedule, [click here](#).

## Capital Projects Schedule



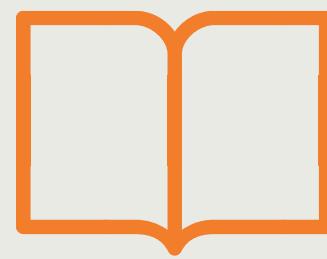
## Learning Capital Projects Schedule

Years 0-5 are focused on leveraging existing resources and accommodating the 18% enrollment growth target at existing locations through improvements in efficiency and utilization and by targeted renovations at the Academic Hubs. Years 5-10 are focused on targeted expansions across all locations. Major emphasis will be on the growth of the Harlingen site as a center for Interprofessional health sciences education. Years 10-15 see a continuation of the expansions and perhaps relocations to consolidate enrollment growth in strategic locations.

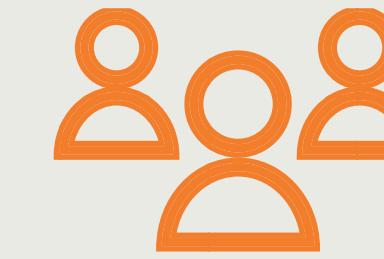
To view the complete strategic capital projects schedule, [click here](#).



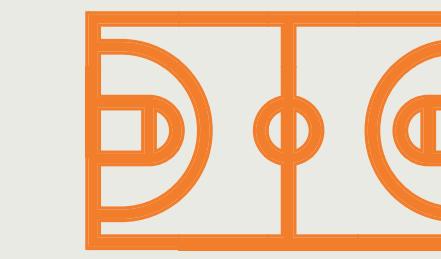
TYPE



Library



Student Union



Recreation



Housing



Admin + Support

LOCATION

TIME

## SUPPORT



**Library**  
GSF

**Administration**  
GSF

**Support Services**  
GSF

**Student Unions**  
GSF

**Recreation**  
GSF

**400K**

Library GSF

**80K**

Administration GSF

**150K**

Support Services GSF

**72K**

Student Unions GSF

**100K**

Recreation GSF



Support | 2017 2022 2027 2032

In ten years' time, to align space provision with enrollment growth we are recommending the development of a 50,000gsf mixed use library / knowledge center on the new health sciences site at Harlingen. This facility would incorporate student union and student services along with study space. In addition, there would be similar expansions of 130,000gsf at Brownsville and Harlingen. Administrative and operational support services needs will be covered by 35,000gsf and 90,000gsf developments. A 50,000gsf expansion at the Union in Edinburg will provide conference facilities identified in a previous feasibility study.

**180K**

Library GSF

**35K**

Administration GSF

**90K**

Support Services GSF

**50K**

Student Unions GSF

**Upgrades**

Recreation GSF

TYPE

LOCATION

TIME

Support

2017

2022

2027

2032

In 15 years' time, to align space provision with enrollment growth we are recommending the development of 200,000gsf in libraries across all locations. Administration will require an additional 35,000 gsf and operational support services an additional 120,000gsf, spread across all locations. In terms of recreation, at this point, it may be desirable to either purchase the existing shared recreation center at Brownsville or develop a new 100,000gsf facility. The Brownsville Duckhead will also benefit from upgrades to its existing facilities. At Edinburg, there will be a requirement for a new 50,000gsf wellness center as well as sports fields upgrades.

**200K**

Library GSF

**35K**

Administration GSF

**120K**

Support Services GSF

**Upgrades**

Student Unions GSF

**150K**

Recreation GSF

TYPE

TIME

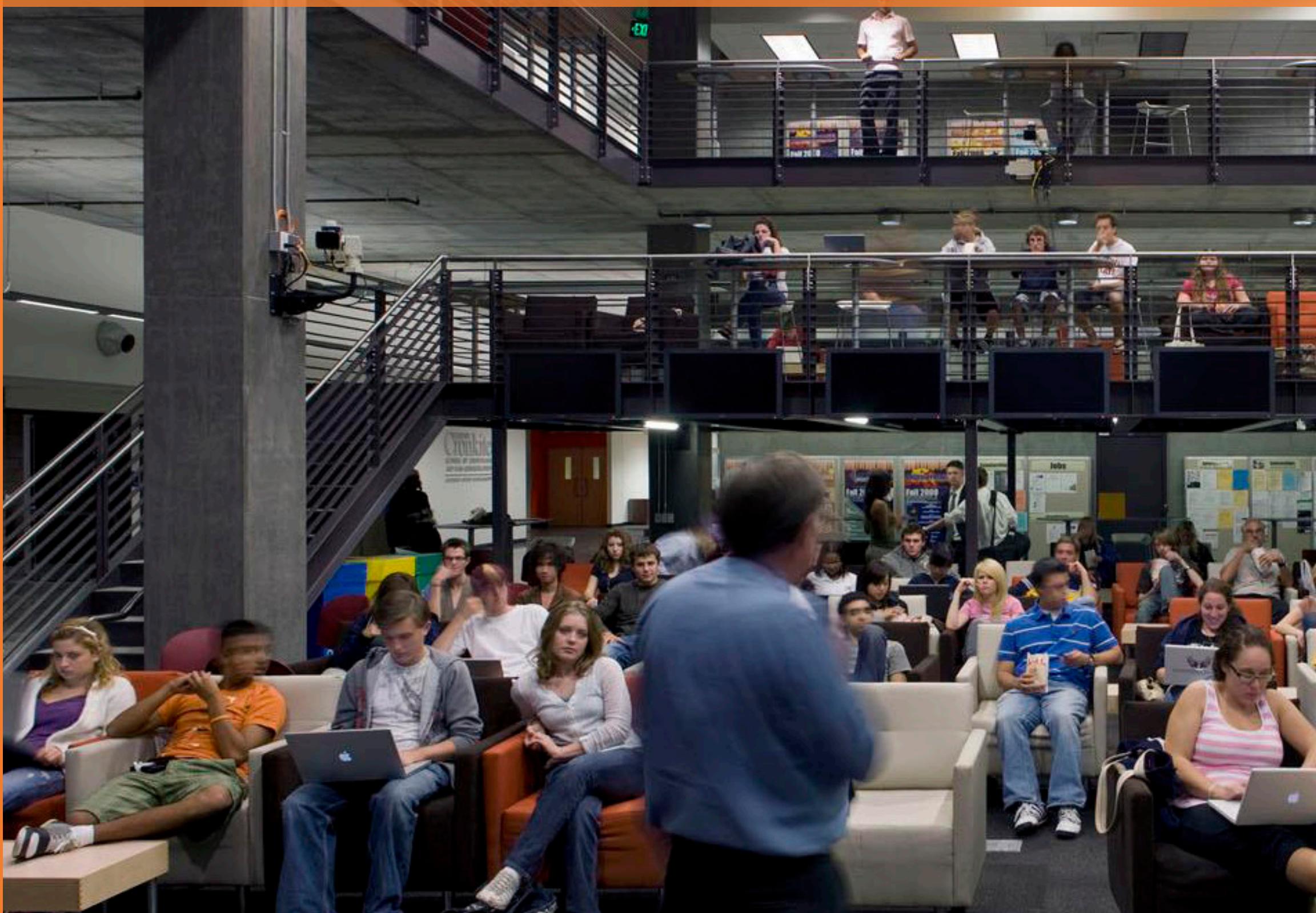
LOCATION

**Library**Administration +  
Support ServicesStudent  
Union

Recreation



Housing



TYPE

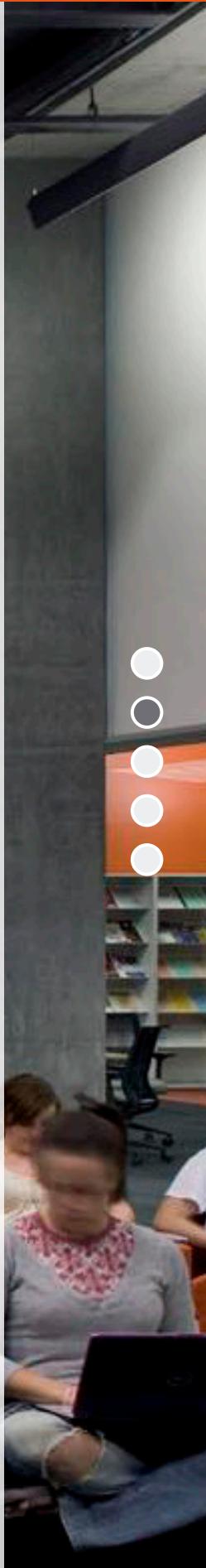
LOCATION

TIME

## Library

The role of the library at universities across the country is in a period of transformation as leadership and staff come to terms with declining traditional usage, new skill sets, new technologies, and changing expectations of their clients. At UTRGV the Library is poised to commence realignment with the needs of a decentralized university focused on positive impact across the Rio Grande Valley. This will be achieved by providing new content creation, making, study and advisory services on the campuses/sites, by providing custom knowledge management services embedded in the theme based centers of research excellence, and by providing hybrid digital / assistance in the Academic and Community Hubs. The transition to a new operating model will not only require new skills and procedures, but also significant investment in capital projects. The first step is in the freeing up of space in libraries by moving printed material to an off-campus Book repository.

The size of an offsite book repository depends on the type of storage solution. Estimates for 500,000 volumes, plus additional office, support and storage would be as follows: Using standard shelving 63,000 linear ft. requires a 40,000nsf. building. Using compact shelving, 63,000 linear ft. can be accommodated in a 22,000 nsf. building. Using high density storage as little as 6,000sq.ft. could be required. Regardless of storage type and size, the facility would require climate control to preserve the materials. This may dictate whether or not an existing building is feasible. Based upon the assumptions above, moving 500,000 volumes into offsite storage would vacate approximately 63,000 linear feet of shelving.





Library

**Administration +  
Support Services**Student  
Union

Recreation



Housing



TYPE

LOCATION

## Administration

Administrative services cover all the business functions undertaken by a university, including leadership, finance and operations, information technology, marketing and communications, research administration and economic development.

The projects outlined for administration exclude student services. Student services will be provided in library and student unions in line with growth in enrollment.

As the location of any Administrative service is not tied to any particular campus/site it was decided by UTRGV leadership to not specify a location in this master plan.

## Support Services

Support services includes all data processing/ computer rooms, shops, post, storage, vehicle storage, deliveries, facilities operations and maintenance and associated service areas.

With the advent of university operations spanning numerous locations across the Valley it makes sense for these services to be decentralized also.

A detailed operational study will be required in the future to determine exact functions and locations moving forward.



Precedent Administration Spaces  
(Click to enlarge)



Library

Administration +  
Support ServicesStudent  
Union

Recreation



Housing

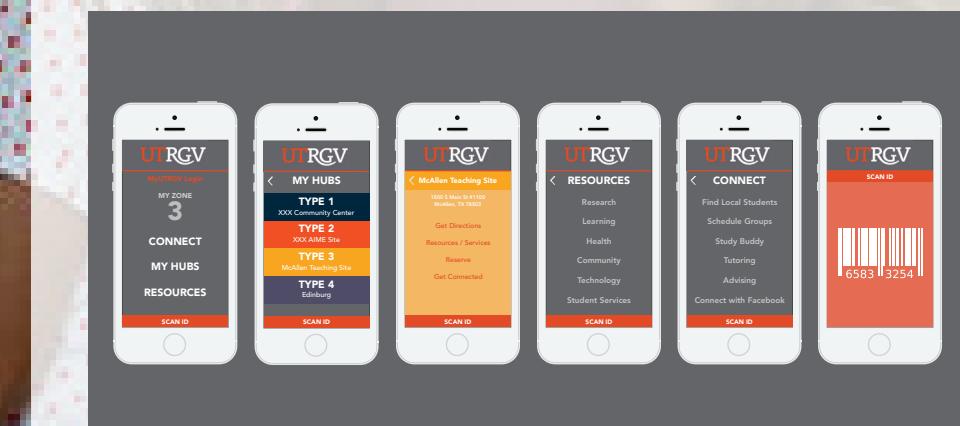


## Student Union

The student unions at both Edinburg and Brownsville are undersized, not only for the current student enrollment, but also for the predicted growth of around 18% every five years. Student surveys for the Edinburg Union highlighted overcrowding, poor food quality, noise and lack of useful functions. Additionally, lack of event and conference space is hindering revenue generation opportunities.

The UTRGV union of the future will be an integrated experience that happens as students interact digitally as well as physically.

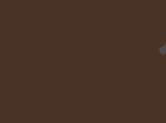
As well as traditional planned and ad-hoc social encounters in the hallway, dining hall, auditorium, meeting room, and fitness center, a decentralized UTRGV student union experience should also take advantage of social media to generate a sense of meaningful involvement in student activities. We propose a UTRGV version of a social media app that links all the decentralized "high tech" academic environment with the "high touch" academic experience.



Proposed UTRGV "Get Connected" App  
(Click to enlarge)

TYPE

LOCATION



## Student Union

The student unions at both Edinburg and Brownsville are



Proposed UTRGV "Get Connected" App  
(Click to enlarge)

TYPE LOCATION TIME



Library

Administration +  
Support ServicesStudent  
Union

Recreation

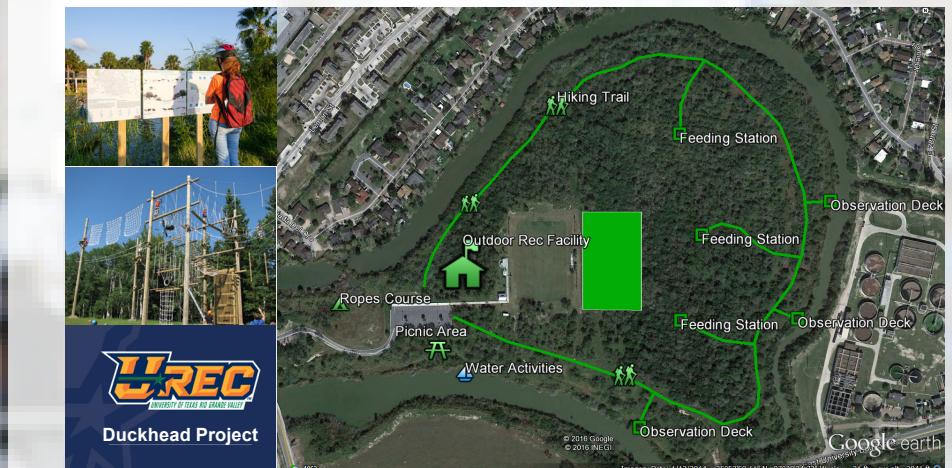


Housing



## Recreation

Sport and recreation services at UTRGV will require future detailed review and so the initiatives illustrated in this master plan are derived from the previous UTPA / UTB master plans and feasibility studies that have been undertaken since they were completed.



Brownsville Recreation Study | Duckhead Project  
(click to enlarge)



Edinburg Recreation Study | Intramural Fields  
(click to enlarge)



Library

Administration +  
Support ServicesStudent  
Union

Recreation



Housing



## Housing

Although the master plan indicates locations for Housing based on previous master plan studies, a detailed housing study is required to determine the exact locations, types, market targets and pricing.

Likely additions will include graduate housing in Weslaco, medical student housing in Edinburg, and student residence halls in Edinburg, Brownsville, and Harlingen.



Edinburg Student Housing (Heritage Hall)  
(click to enlarge)



Brownville Student Housing (Casa Bella)  
(click to enlarge)



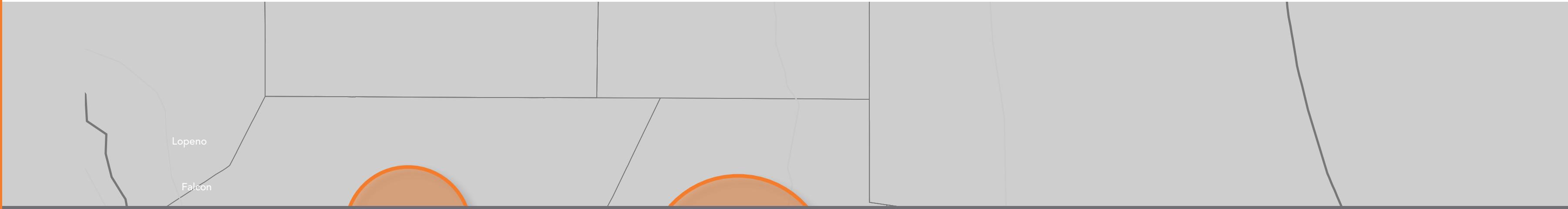


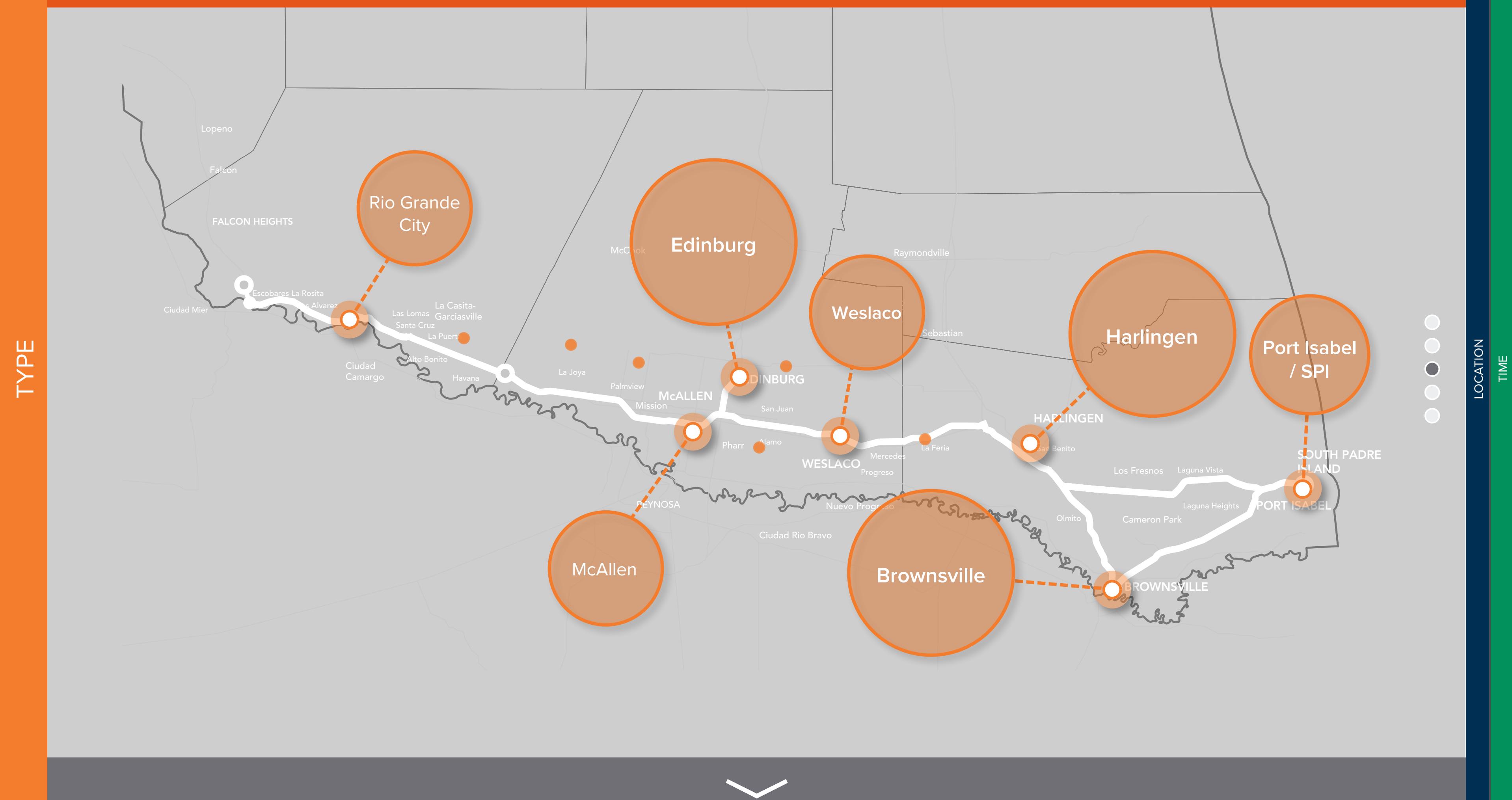
TYPE

## UTRGV Support Sites

Over the next 15 years we will establish an integrated network of physical and digital support services across the Rio Grande Valley. Libraries, Student Unions, Recreation, Sports, Housing, Administration and operations will use the latest technologies coupled with new service focused methodologies to provide high quality, cost effective and accessible services in all locations.

LOCATION

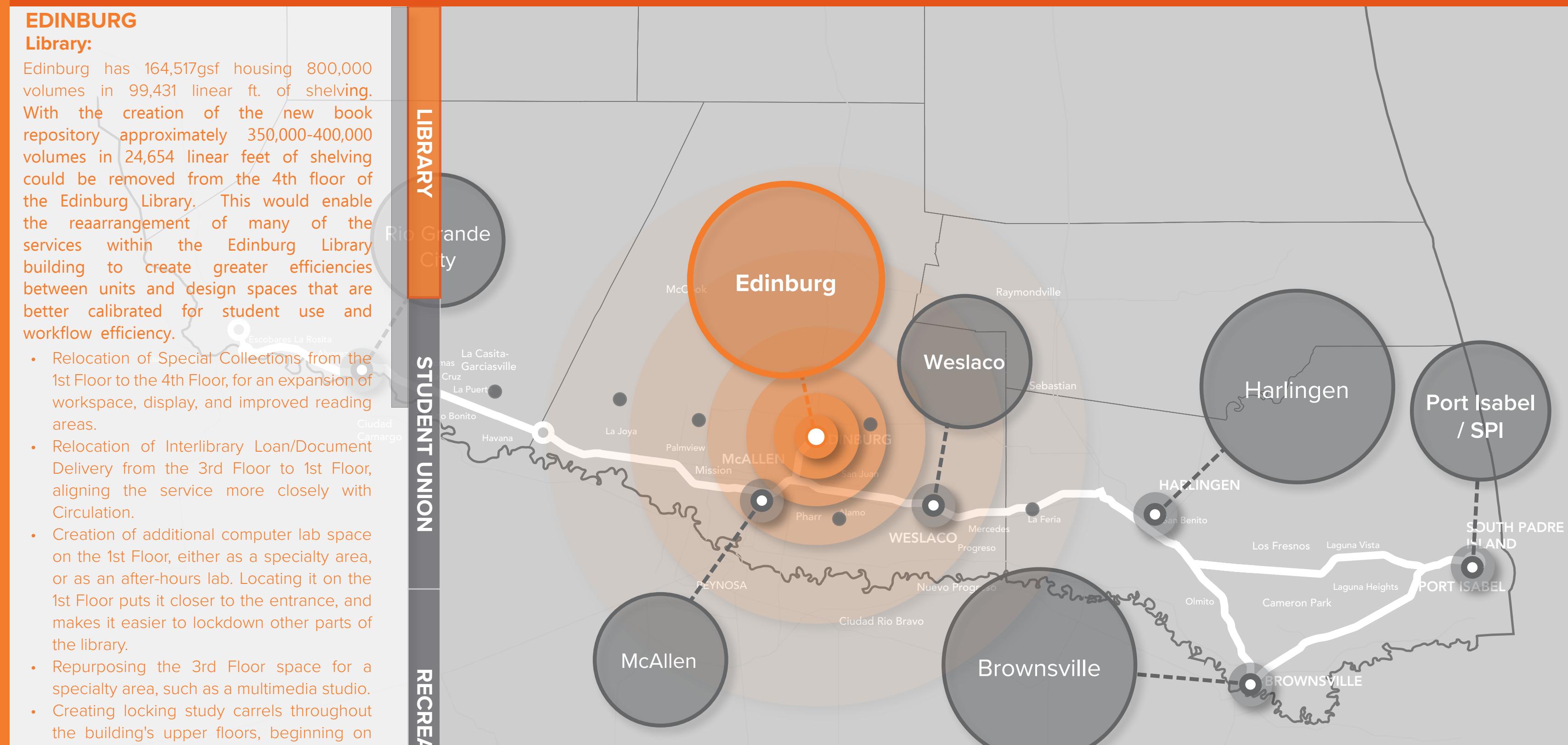




**EDINBURG****Library:**

Edinburg has 164,517gsf housing 800,000 volumes in 99,431 linear ft. of shelving. With the creation of the new book repository approximately 350,000-400,000 volumes in 24,654 linear feet of shelving could be removed from the 4th floor of the Edinburg Library. This would enable the rearrangement of many of the services within the Edinburg Library building to create greater efficiencies between units and design spaces that are better calibrated for student use and workflow efficiency.

- Relocation of Special Collections from the 1st Floor to the 4th Floor, for an expansion of workspace, display, and improved reading areas.
- Relocation of Interlibrary Loan/Document Delivery from the 3rd Floor to 1st Floor, aligning the service more closely with Circulation.
- Creation of additional computer lab space on the 1st Floor, either as a specialty area, or as an after-hours lab. Locating it on the 1st Floor puts it closer to the entrance, and makes it easier to lockdown other parts of the library.
- Repurposing the 3rd Floor space for a specialty area, such as a multimedia studio.
- Creating locking study carrels throughout the building's upper floors, beginning on the 4th floor. In partnership with the Office of Globalization, these carrels would be used by international students. Additional carrels would be created for the exclusive use of graduate and PhD students.

**LIBRARY****STUDENT UNION****RECREATION****TYPE****LOCATION****TIME**

## EDINBURG

### Student Union:

The 2010 Student Union Expansion Study undertaken by Perkins and Will has been used as the basis for determining the future needs in Edinburg. The study identified a target of 125,800gsf (78,400nsf) with 83,800gsf new construction and 42,000gsf being renovations.

Highlights of the project include a new main street, 170% increase in retail dining, 130% more student organization space, 300% more lounge space a 10,800sf ballroom, 50% increase in convenience store space, 8 new meeting rooms and improvements to services access.

Recent renovations were undertaken to improve retail dining areas, leaving a total of 100,000gsf of renovations and expansion remaining to be undertaken in the next five years.

Given the site design associated with the new Engineering Building to the north, the relationship of a proposed northern expansion of the Union in relation to pedestrian circulation should be reassessed as part of a future design process.

LIBRARY

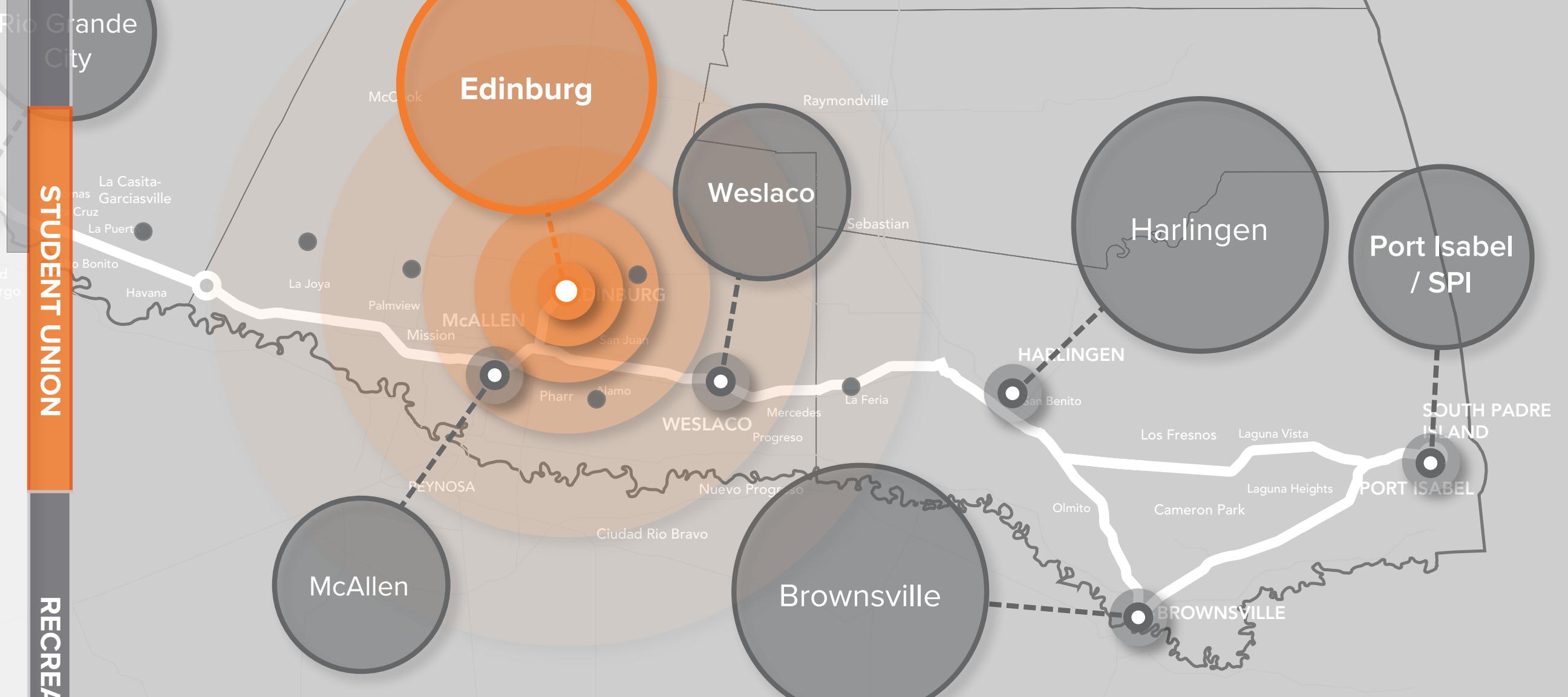
STUDENT UNION

RECREATION

TYPE

LOCATION

TIME



## EDINBURG

### Recreation:

The sports fields to the north west and the track / soccer / track fields to the south west have been identified as requiring lighting and playing surfaces upgrades. In addition, a field house and wellness center (50,000gsf) have been proposed for the northwestern area.

These sites, occupy prime real estate that may be better served by future building development, so while this master plan identifies these projects in these locations, we recommend a future study to be undertaken to determine the cost / benefit of upgrades versus moving to a new location.

TYPE

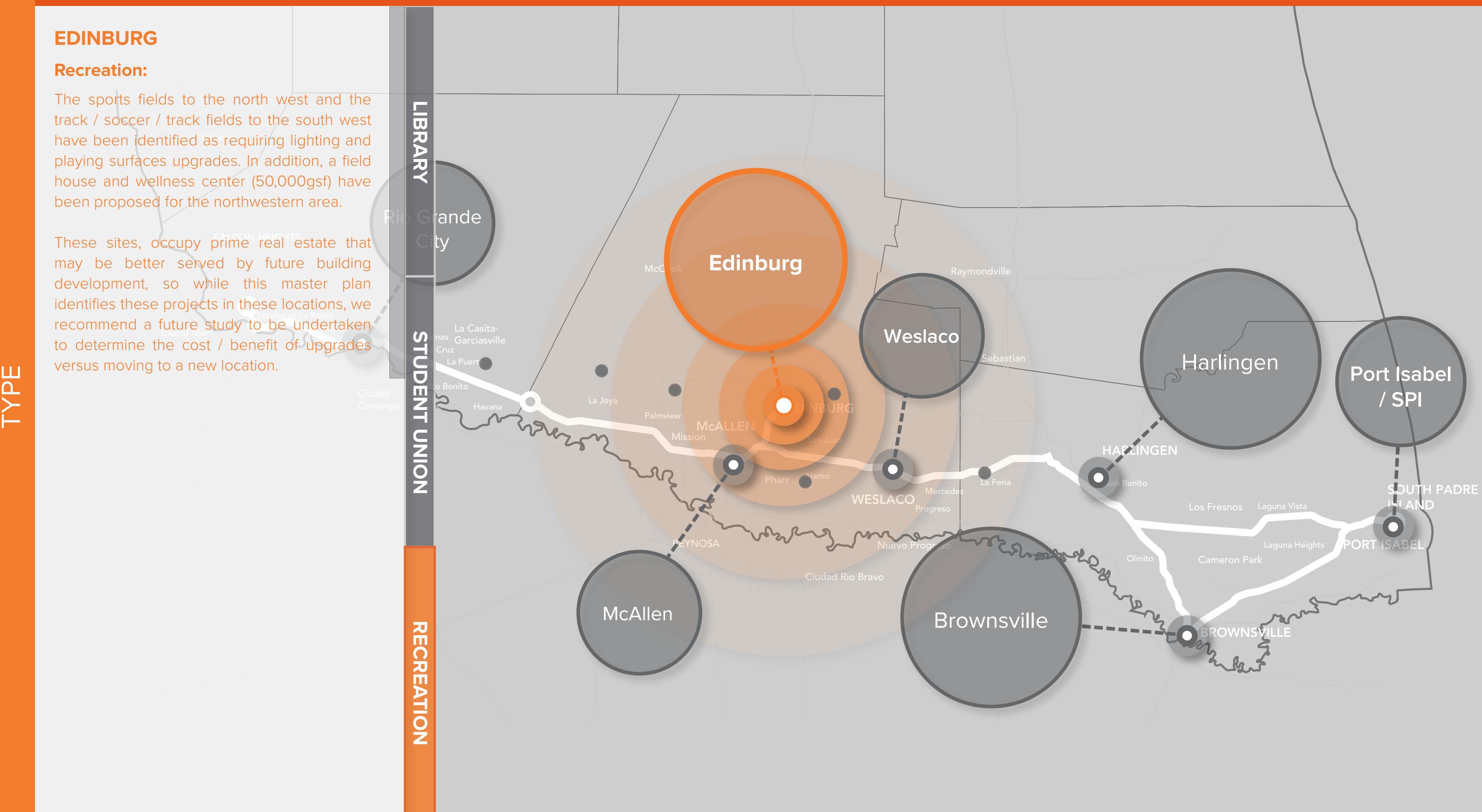
LIBRARY

STUDENT UNION

RECREATION

LOCATION

TIME



**BROWNSVILLE****Library:**

Brownsville has 45,375 gsf housing 100,000 volumes in 10,979 linear ft. This library will see the greatest impact from relocation of materials. Roughly 90% of the volumes in Brownsville would be moved into offsite storage. This will empty the 2nd Floor of the Brownsville Library. Additionally, books still housed on the Texas Southmost College (TSC) campus will be moved directly into offsite storage, as there is no space available in the Brownsville Library at this time.

Much of the space in the Brownsville building is already well apportioned. Removing the book stacks will allow for the creation and slight expansion of some existing services as follows:

- Creation of a Special Collections room on the vacated 2nd Floor to accommodate materials still located at TSC. This would include workspace, display spaces, and reading areas.
- Creation of specialized multimedia lab space on the 3rd Floor, utilizing existing study space.
- Expansion of quiet areas and study spaces on the 2nd Floor to make up for losses on the 3rd Floor.

LIBRARY

STUDENT UNION

RECREATION

Rio Grande City

Edinburg

Weslaco

Harlingen

Port Isabel / SPI

McAllen

Brownsville

REYNOSA

Ciudad Rio Bravo

Nuevo Progreso

Olmito

Cameron Park

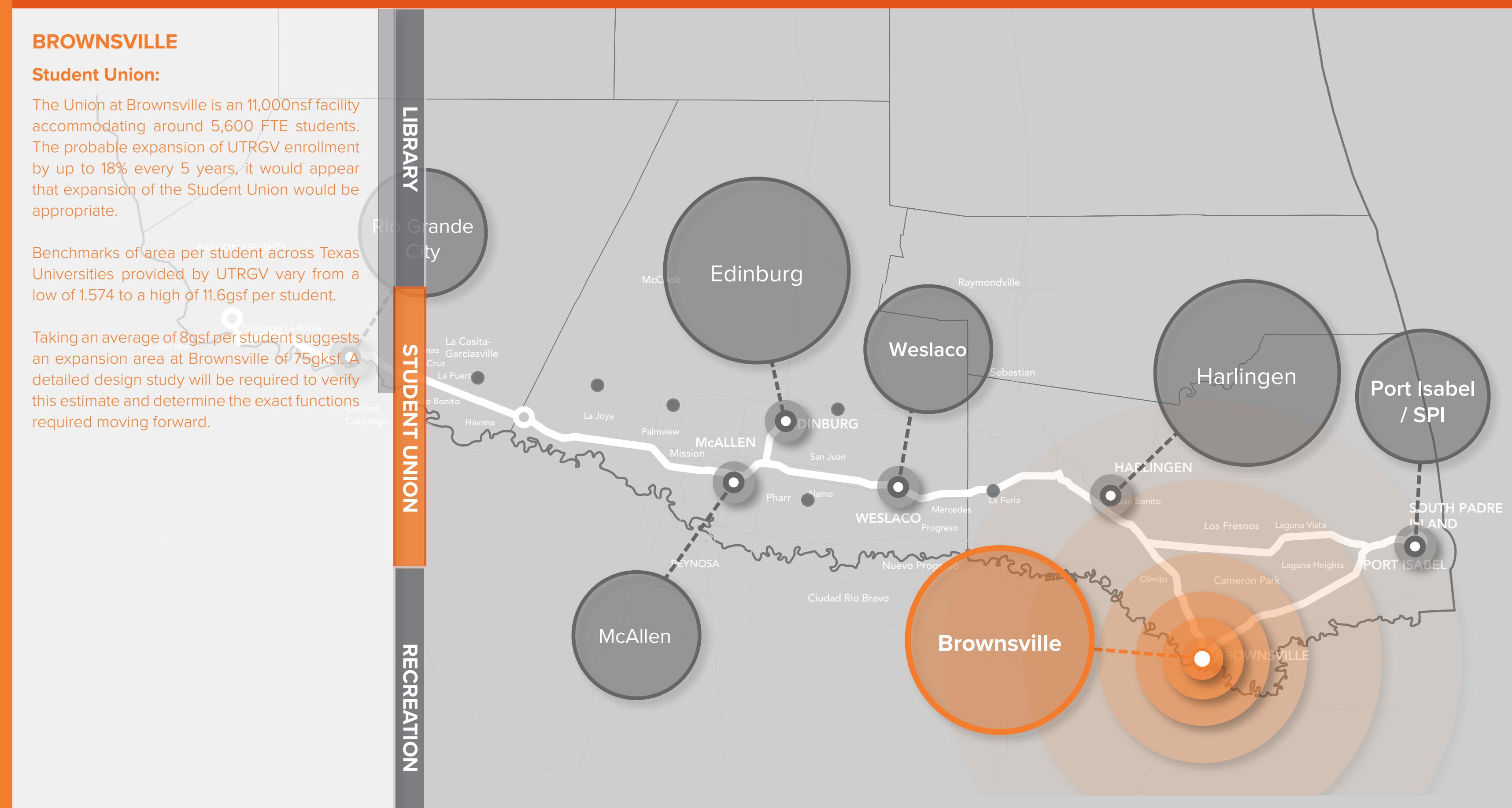
BROWNSVILLE

**BROWNSVILLE****Student Union:**

The Union at Brownsville is an 11,000nsf facility accommodating around 5,600 FTE students. The probable expansion of UTRGV enrollment by up to 18% every 5 years, it would appear that expansion of the Student Union would be appropriate.

Benchmarks of area per student across Texas Universities provided by UTRGV vary from a low of 1.574 to a high of 11.6gsf per student.

Taking an average of 8gsf per student suggests an expansion area at Brownsville of 75gksf. A detailed design study will be required to verify this estimate and determine the exact functions required moving forward.

**LIBRARY****STUDENT UNION****RECREATION****TYPE****LOCATION****TIME**

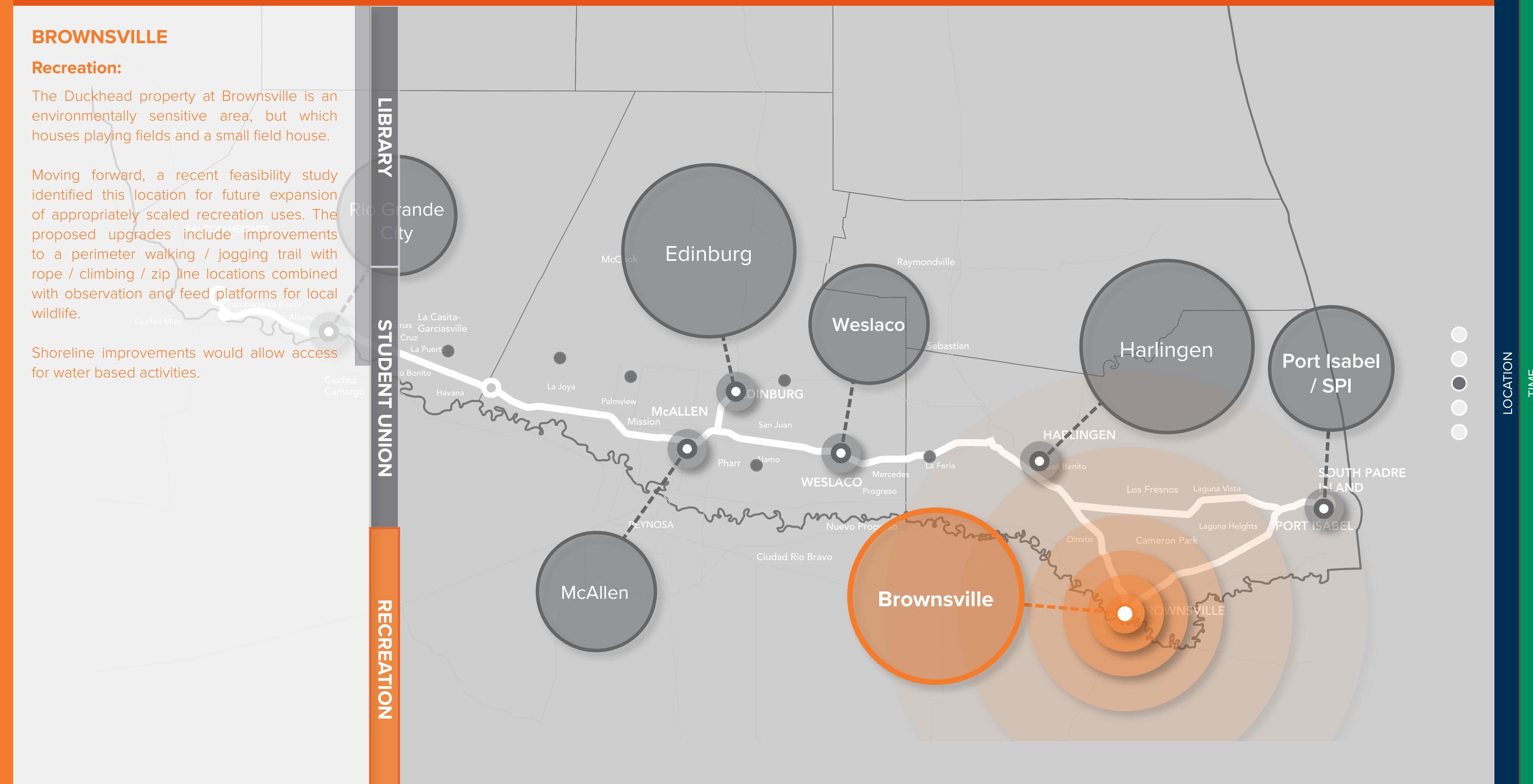
# BROWNSVILLE

## Recreation:

The Duckhead property at Brownsville is an environmentally sensitive area, but which houses playing fields and a small field house.

Moving forward, a recent feasibility study identified this location for future expansion of appropriately scaled recreation uses. The proposed upgrades include improvements to a perimeter walking / jogging trail with rope / climbing / zip line locations combined with observation and feed platforms for local wildlife.

Shoreline improvements would allow access for water based activities



**HARLINGEN****Library, Student Services, and Student Union:**

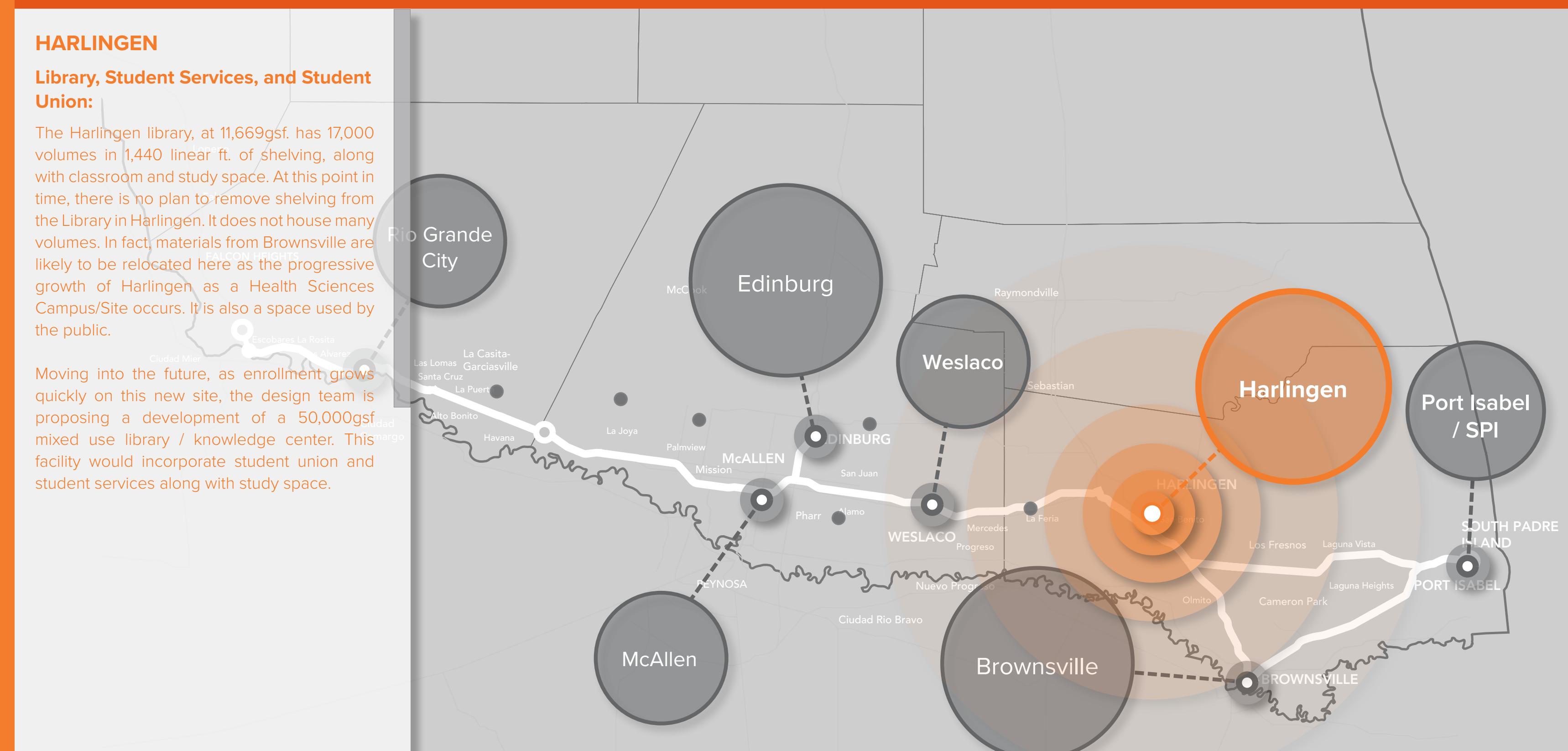
The Harlingen library, at 11,669gsf. has 17,000 volumes in 1,440 linear ft. of shelving, along with classroom and study space. At this point in time, there is no plan to remove shelving from the Library in Harlingen. It does not house many volumes. In fact, materials from Brownsville are likely to be relocated here as the progressive growth of Harlingen as a Health Sciences Campus/Site occurs. It is also a space used by the public.

Moving into the future, as enrollment grows quickly on this new site, the design team is proposing a development of a 50,000gsf mixed use library / knowledge center. This facility would incorporate student union and student services along with study space.

TYPE

LOCATION

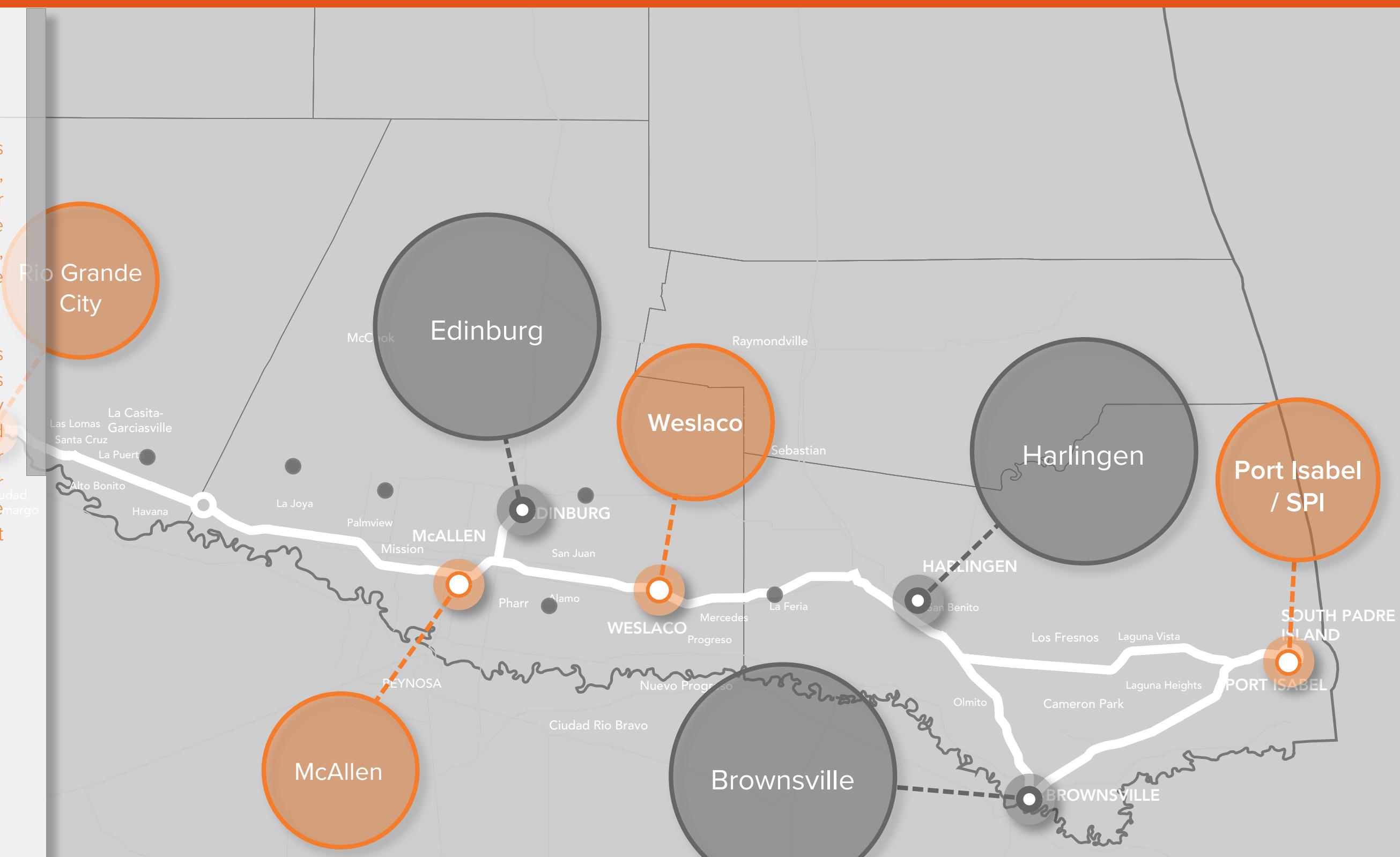
TIME



## ACADEMIC HUBS IN RIO GRANDE CITY, McALLEN, PORT ISABEL, AND WESLACO

Library, student and employee services provided at the academic hubs will be scalable, based upon the needs and usage statistics for each specific site. These sites will be more likely to include access to electronic resources, making hybrid digital / video assistance more feasible.

Librarians, student services and operations staff could also make part time visits to various locations, providing onsite assistance. Library and other materials can be retrieved and dropped off at these sites, coordinated either by the University or through a dedicated courier on a daily basis. Students and staff would be notified via e-mail when deliveries arrive at these hubs.



TYPE

LOCATION

TIME

## COMMUNITY HUBS

Support services at Community Hubs will be minimally staffed, with digital connectivity being key to the UTRGV presence.

Access to electronic resources in locations not owned by UTRGV may rely on proxy services. Library, student and employee services at this level would be minimal, including reference / research assistance and advice via chat, Skype, or similar communication.

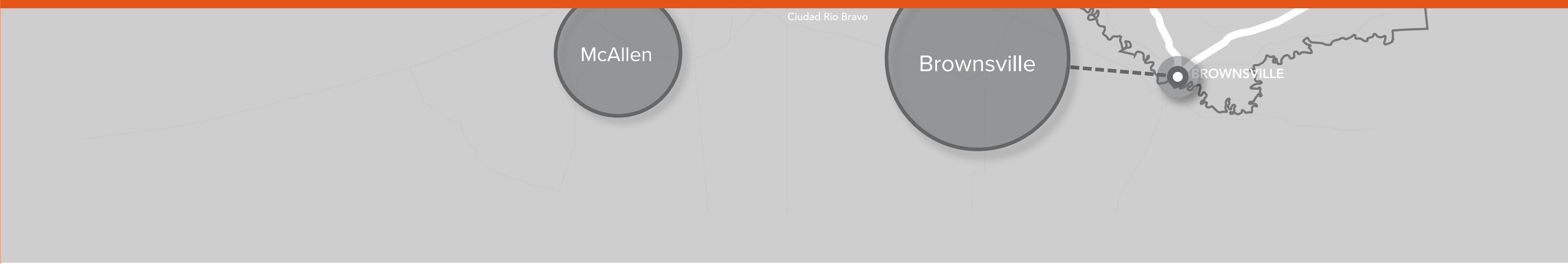
No library or student services materials would be delivered to or from these locations.

TYPE



LOCATION

TIME



*Successful transformation resides in Library, Student Services, Student Unions, recreation, administration and operations initiatives teams with the empowerment to take on the development of facilities as well as academic, business, human resources and operations planning. An enhanced planning team that was involved with both the Master Plan and Strategic Plan would be ideal.*

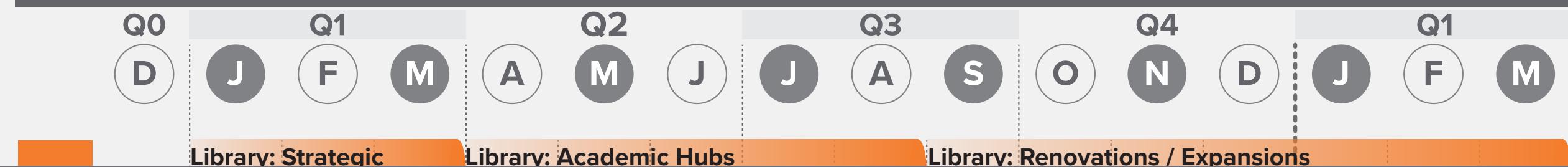
TYPE

LOCATION

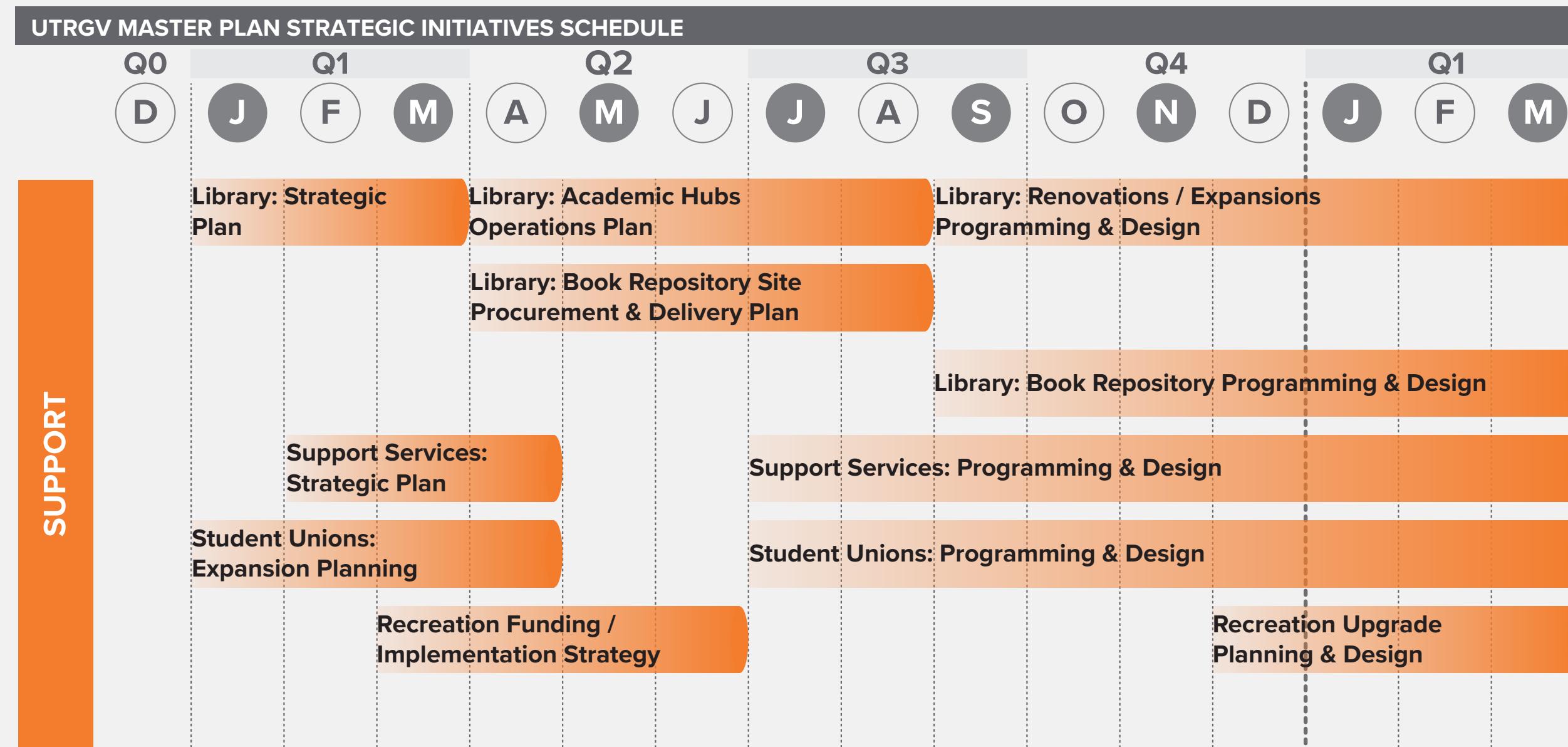
TIME

#### Strategic Initiatives Schedule

UTRGV MASTER PLAN STRATEGIC INITIATIVES SCHEDULE



## Strategic Initiatives Schedule

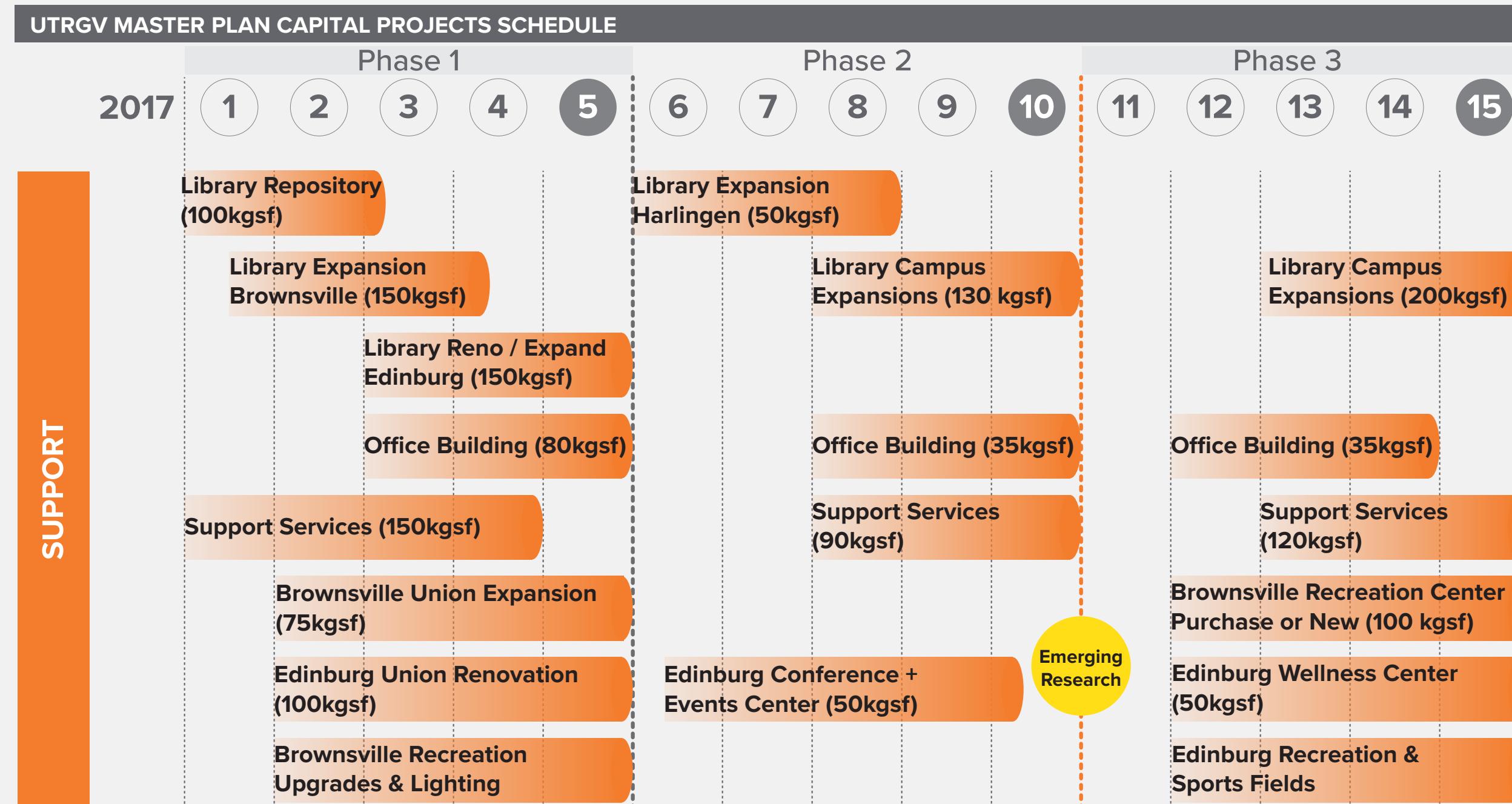


## Support Strategic Initiatives Schedule

A Library strategic plan will enable the development and implementation of initiatives that align new services, new skill sets with new space types and expansion of learning and research. Likewise, plans for student unions, support services and administration will enable detailed assessment and implementation of new operation methodologies for the decentralized UTRGV.

To view the complete strategic initiatives schedule, [click here](#).

## Capital Projects Schedule



## Support Capital Projects Schedule

Years 0-5 are focused on catching up on previous shortfalls in libraries and Unions, engaging with enrollment growth and consolidating administrative / operational support. Years 5-10 build on previous consolidation to match enrollment growth and changes in academic practice for libraries and student services. Years 10-15 match enrollment expansion with targeted developments.

To view the complete strategic capital projects schedule, [click here](#).



## CONNECTIVITY

TYPE

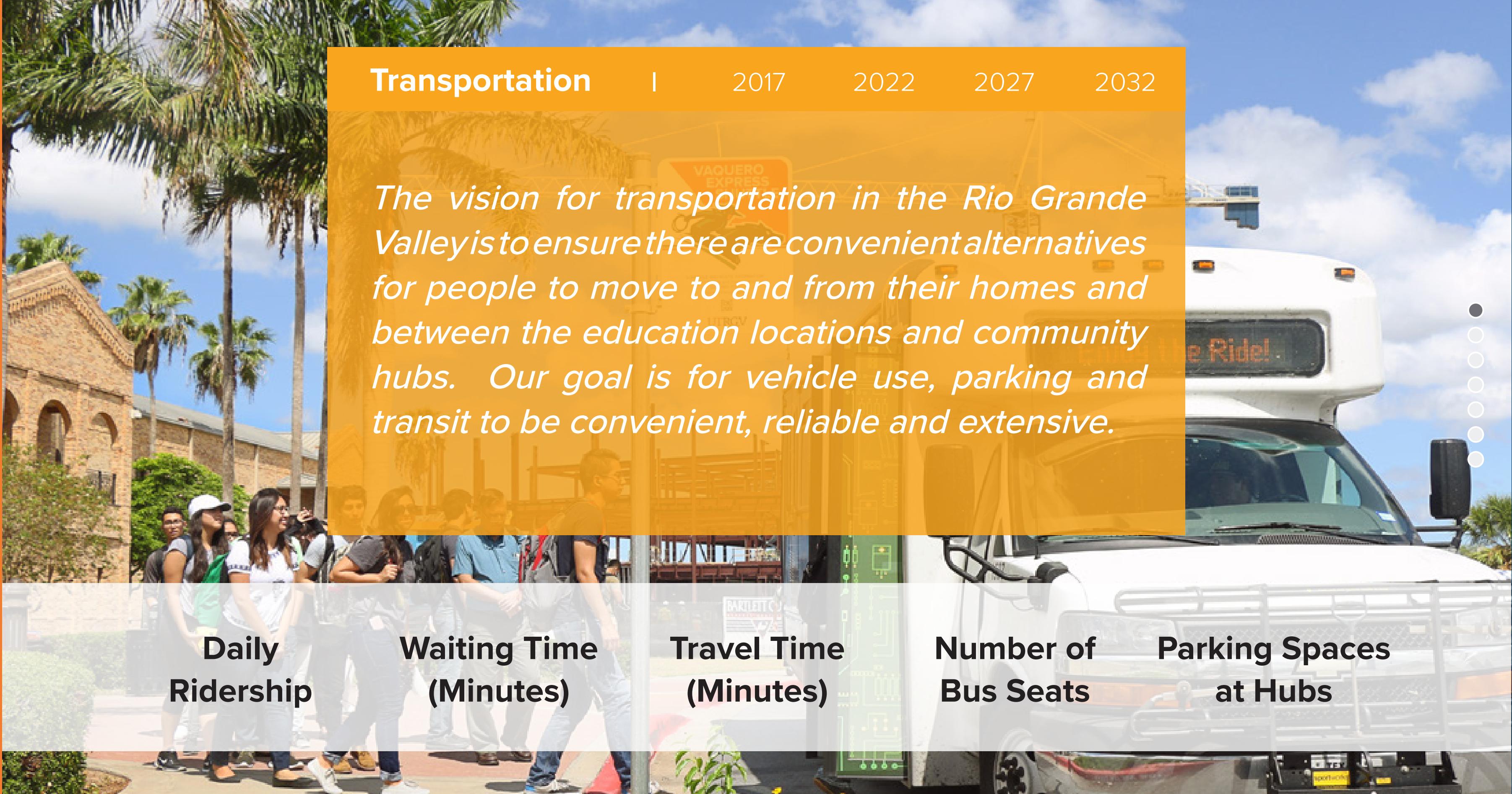


Transportation

LOCATION



Data / IT



## Transportation

2017

2022

2027

2032

*The vision for transportation in the Rio Grande Valley is to ensure there are convenient alternatives for people to move to and from their homes and between the education locations and community hubs. Our goal is for vehicle use, parking and transit to be convenient, reliable and extensive.*

**Daily  
Ridership**

**Waiting Time  
(Minutes)**

**Travel Time  
(Minutes)**

**Number of  
Bus Seats**

**Parking Spaces  
at Hubs**

● ○ ○ ○ ○

LOCATION

TIME







## Transportation

2017

2022

**2027**

2032

The bus rapid transit (BRT) study, planning, grant applications and environmental clearances are targeted for completion in early 2020 with design and construction of the BRT system aiming to be complete by the summer of 2022; bringing the new optimum service online in time for the 2022/23 academic year.

As described elsewhere this will provide frequent, comfortable and convenient service between campuses/sites as well as major transit hubs for park & ride and simple drop-off. The service will aim to have a minimum headways of 20 minutes with a trip time between Brownsville and Edinburg of 88 minutes. The CEBL will act as a major transfer and layover stop and it is envisaged, based on preliminary analysis, that CEBL to Brownsville will require 60-ft articulated buses while CEBL to Edinburg can operate with the more traditional 45-ft standard bus.

Minimum ridership by 2027 is predicted to be between 12,000-15,000 users per day although some detailed modeling will be required to confirm these numbers, which in turn will impact fleet type and size.

Buses will be designed to provide the same quality as rail service with level boarding, Wi-Fi service, drop down tables for commute working, air-conditioned waiting rooms all within a safe, clean, app-friendly and user-friendly environment with real-time monitoring and information. The overriding goal is to have people make the choice of transit ahead of using their own vehicles and we aim to achieve this by 2022 by using Federal, State and local funding.

The largest funding challenges faced by the University and the bus service operators will be operating costs for drivers, administrative staff, policing of the route, maintenance, fuel and many other high cost but necessary activities. This will require continual funding and the logistics for this will need to be resolved between Federal, State, University and local agencies.

**15,000**

Daily Ridership

**20**

Waiting Time (Minutes)

**88**

Travel Time (Minutes)

**1,400**

# of Bus Seats

**5,000**

Parking Spaces at Hubs

TYPE

LOCATION

TIME

## Transportation

2017

2022

2027

**2032**

The proposed bus rapid transit (BRT) service will be designed to continually improve; meaning increase fleet size to shorten headways and waiting times. We anticipate some increased signalization improvements as the BRT operations become more frequent will result in shorter trip times to as low as 85 minutes from Brownsville to Edinburg.

Park & ride service is also expected to increase with staff and students taking advantage of driving shorter trips to their local transit hub so parking capability at the transit hubs (meaning not on Edinburg or Brownsville sites) is expected to increase from approximately 4,000 stalls in 2022 at service opening to 8,000 stalls by 2032.

This in turn should start to result in further reduced parking demand on the campuses /sites and this can provide opportunity for new buildings or green space to start replacing the large concrete lots currently in existence at Edinburg and alleviate the challenges at Brownsville.

During the period leading up to 2032 it is also envisaged we see an increase in bicycle use and campuses/sites (as well as community hubs) will continue to improve their environment for pedestrian and on-campus/site bicycles.

REACH NEW HORIZONS  
**23,000** 

Daily Ridership

Waiting Time (Minutes)

**15**

Travel Time (Minutes)

**85**

**1,750** **8,000**

# of Bus Seats

Parking Spaces at Hubs

TYPE

TIME

LOCATION



This in turn should start to result in further reduced parking demand on the campuses /sites and this can provide opportunity for new buildings or green space to start replacing the large concrete lots currently in existence at Edinburg and alleviate the challenges at Brownsville.

During the period leading up to 2030 it is also envisaged we see an increase in bicycle use and campuses/sites (as well as community hubs) will continue to improve their environment for pedestrian and on-campus/site bicycles.



## Transit System Development

The transit system will develop in stages and its success will be based on fleet size – the greater the number of buses, the shorter the waiting time providing higher convenience. There are many other factors involved but this is the primary factor. As such the transit service will gradually improve as funding can be made available for both the procurement and operation of additional buses and as noted below there are applications to the next state legislature for the first procurement.



# Transit System Development

The transit system will develop in stages and its success will be based on fleet size – the greater the number of buses, the shorter the waiting time providing higher convenience. There are many other factors involved but this is the primary factor. As such the transit service will gradually improve as funding can be made available for both the procurement and operation of additional buses and as noted below there are applications to the next state legislature for the first procurement.

## Schedule + Costs

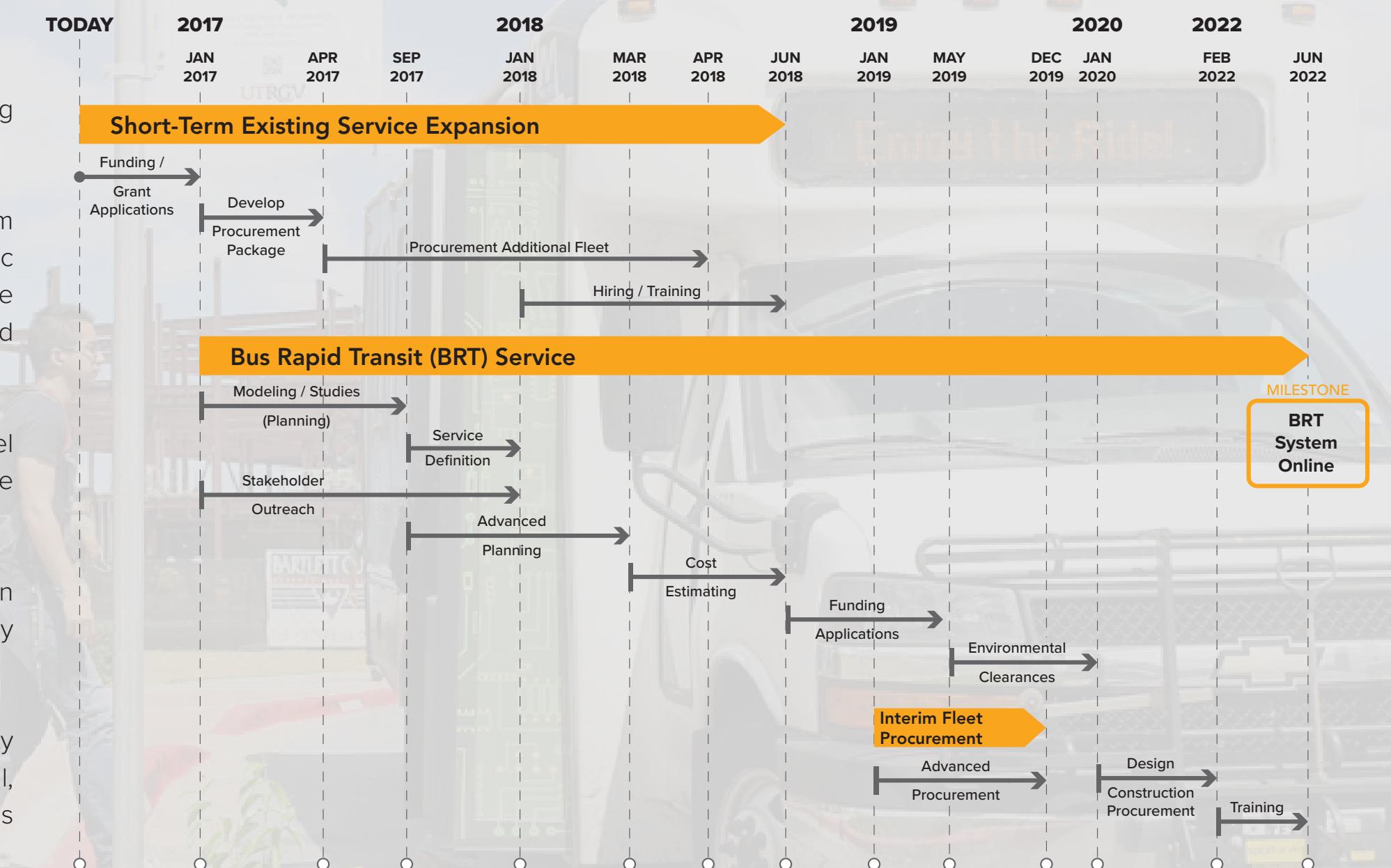
The transit service improvements described above, including the full BRT service, will occur in stages.

The initial improvements in fleet to provide short term improved service will be available for the 2018/19 academic year; the second funding efforts for the full service will enable an additional increase in fleet size for the 2019/20 year and the full BRT service online for 2022/23.

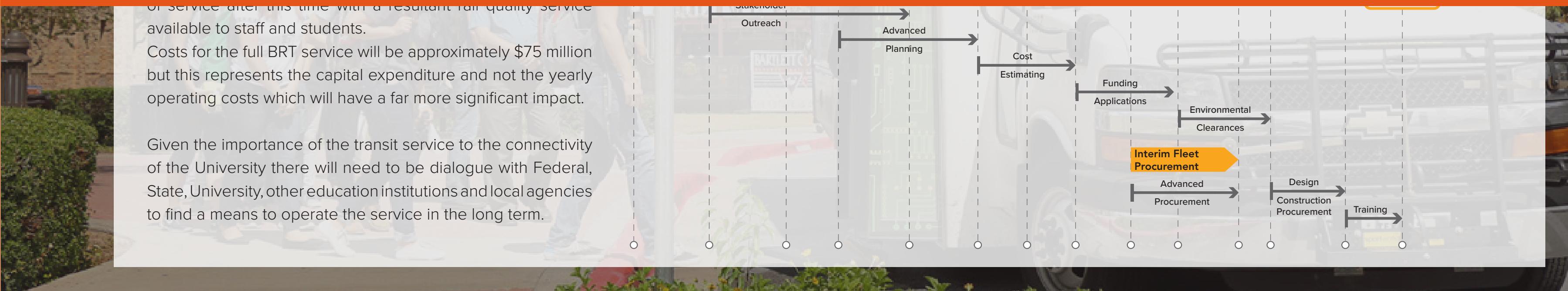
There will obviously be continued improvements to the level of service after this time with a resultant rail quality service available to staff and students.

Costs for the full BRT service will be approximately \$75 million but this represents the capital expenditure and not the yearly operating costs which will have a far more significant impact.

Given the importance of the transit service to the connectivity of the University there will need to be dialogue with Federal, State, University, other education institutions and local agencies to find a means to operate the service in the long term.

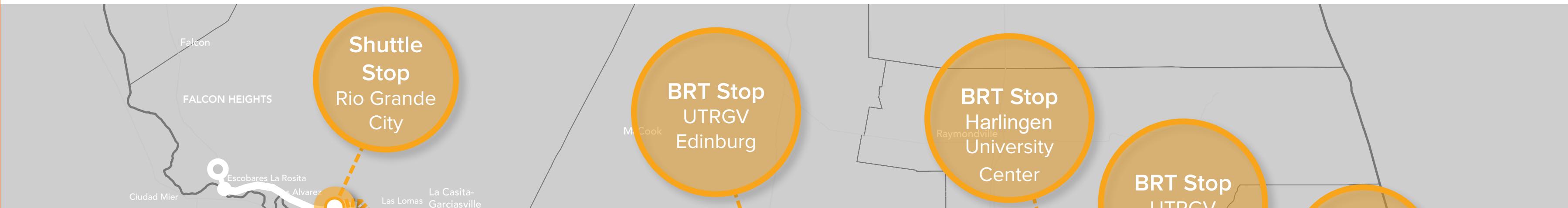


TYPE      LOCATION      TIME



## Proposed BRT Network

The transit system is designed around an express service that will have a minimum number of stops to minimize travel time; running from Edinburg, McAllen (by 2030), Weslaco, La Feria, Harlingen University Center, CEBL and Brownsville. The CEBL will act as a major transfer center with articulated bus service to Brownsville and standard bus service to Edinburg; CEBL is also envisaged to be a major park & ride with an excess of 1,000 parking stalls on opening day to serve the high population in the Harlingen area.

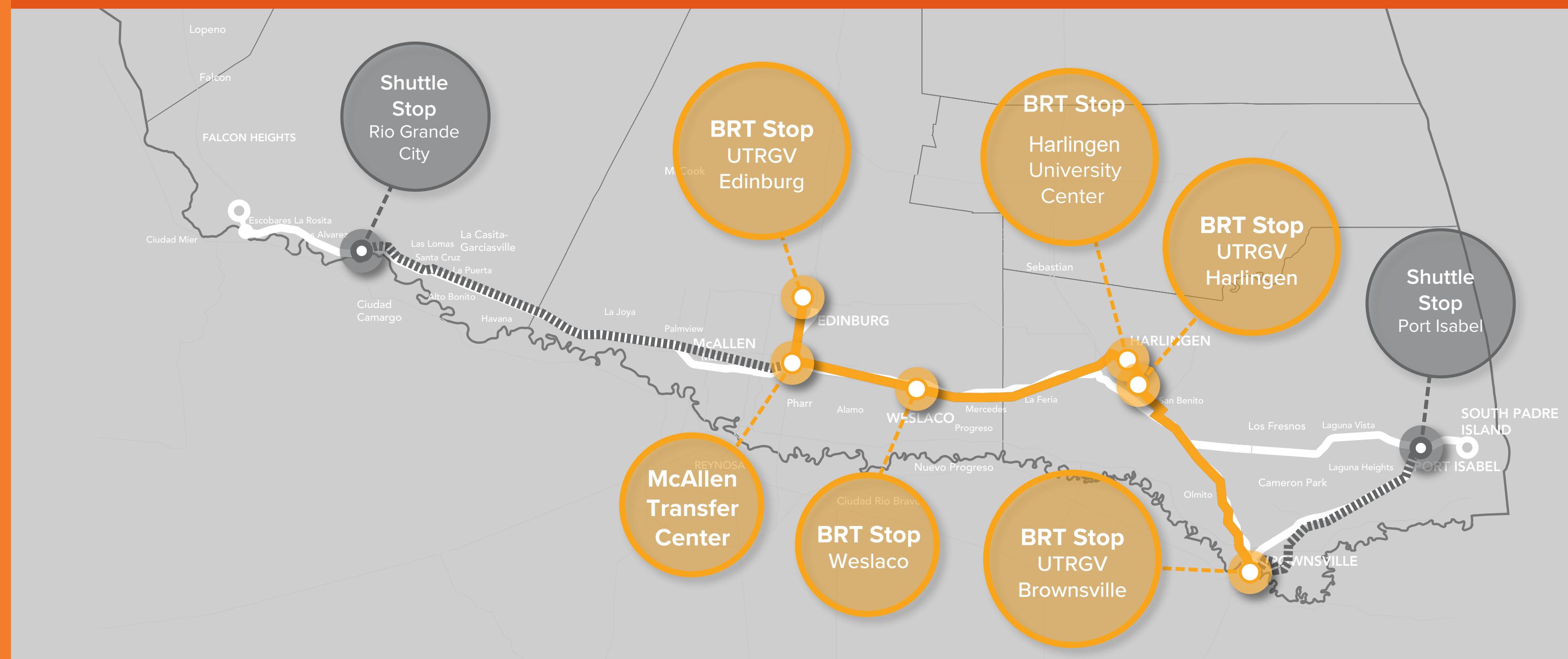




## A New Public Transit Network

### Bus Rapid Transit + Specialized Shuttles

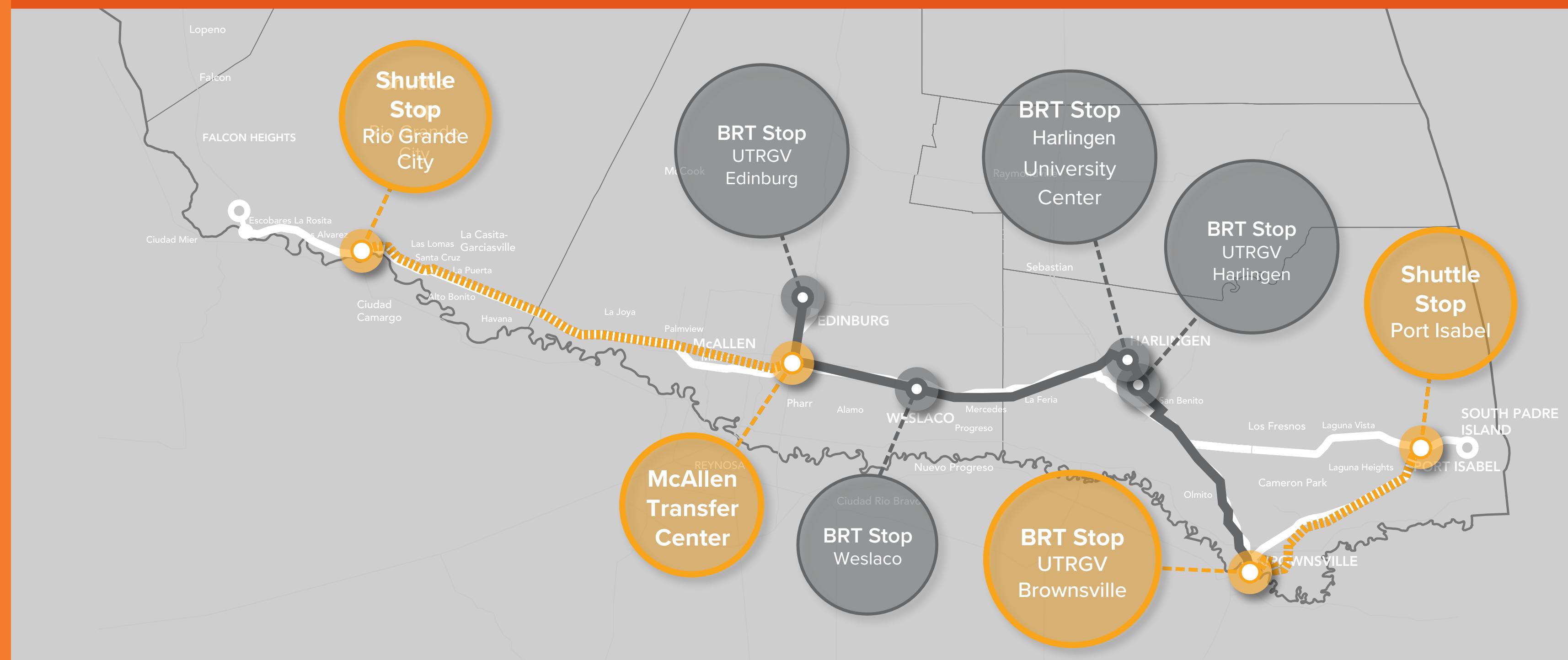
The transit network will extend beyond the express route of Edinburg to Brownsville, with shuttle services providing connectivity to Rio Grande City, Port Isabel as well as local city services in and around the major transit hubs. The concept is to have a spine throughout the Valley with shuttle and local services feeding into that spine – this is equivalent to a rail service quality without the high cost and is appropriate for the ridership levels anticipated.



## BRT Route

### EDINBURG to BROWNSVILLE

The express service from Edinburg to Brownsville has the goal of reducing this travel time to the absolute minimum, while providing adequate stops to offer convenient service to the users. The service is primarily on major expressways and the route and stops have been located to reduce the time spent on surface streets; the Harlingen Loop being the most significant with a 10-mile detour through 13 signalized intersections. To help optimize this we are proposing that the BRT buses get priority signals (meaning the traffic signals will be automated to change green for the buses) allowing a 'green band' to reduce this surface street travel time.

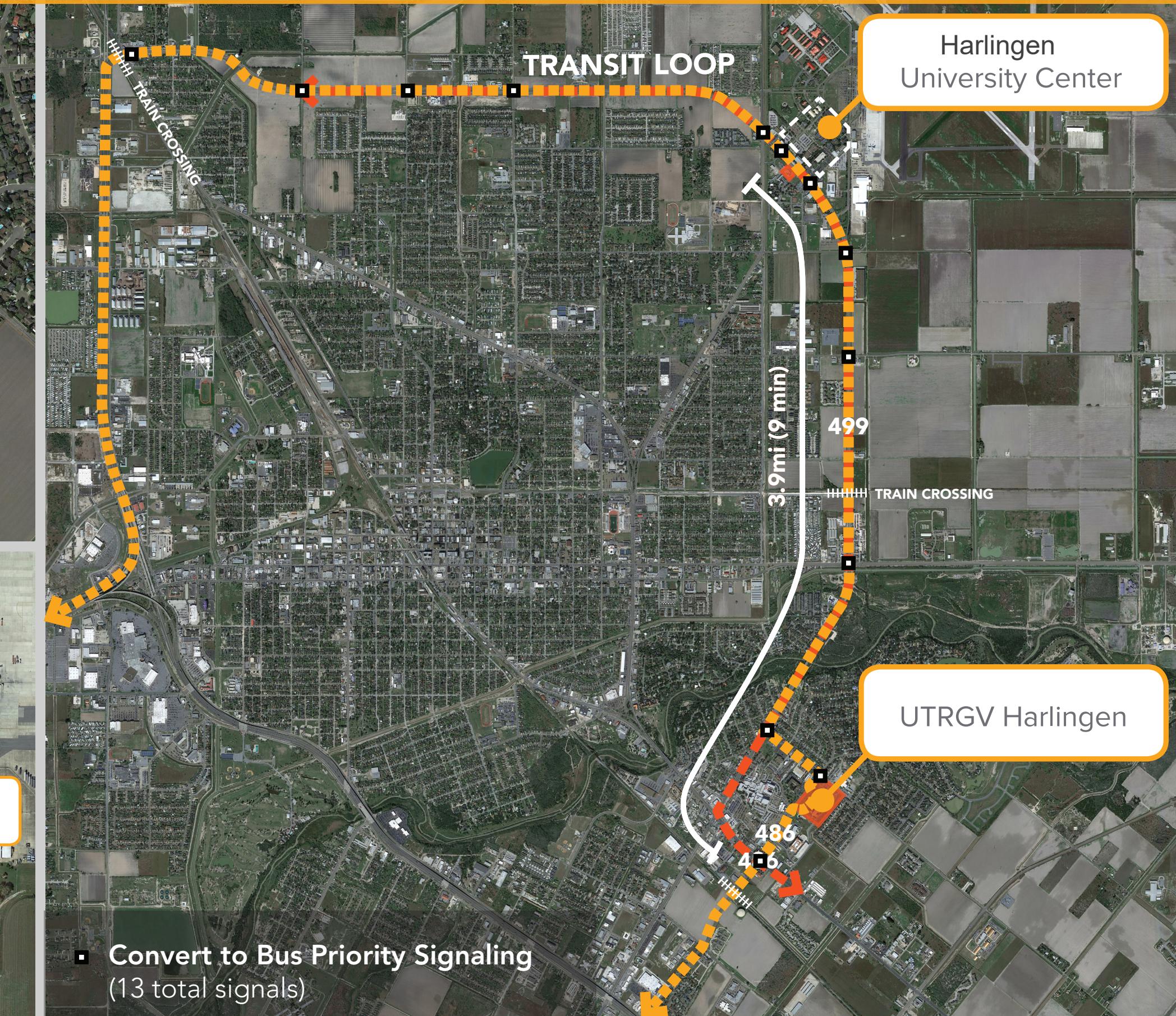


## Shuttle Routes

**RIO GRANDE CITY  
& PORT ISABEL**

There are proposed shuttle bus routes from Rio Grande City to McAllen (or Edinburg until the McAllen hub is on line) and Port Isabel to Brownsville. The frequency of these services will be dependent on ridership and this may be enhanced by providing parking at Rio Grande City and Port Isabel to offer a clear choice to people who live in those communities. The shuttle services will provide the same quality of service as the BRT express service to encourage higher ridership.

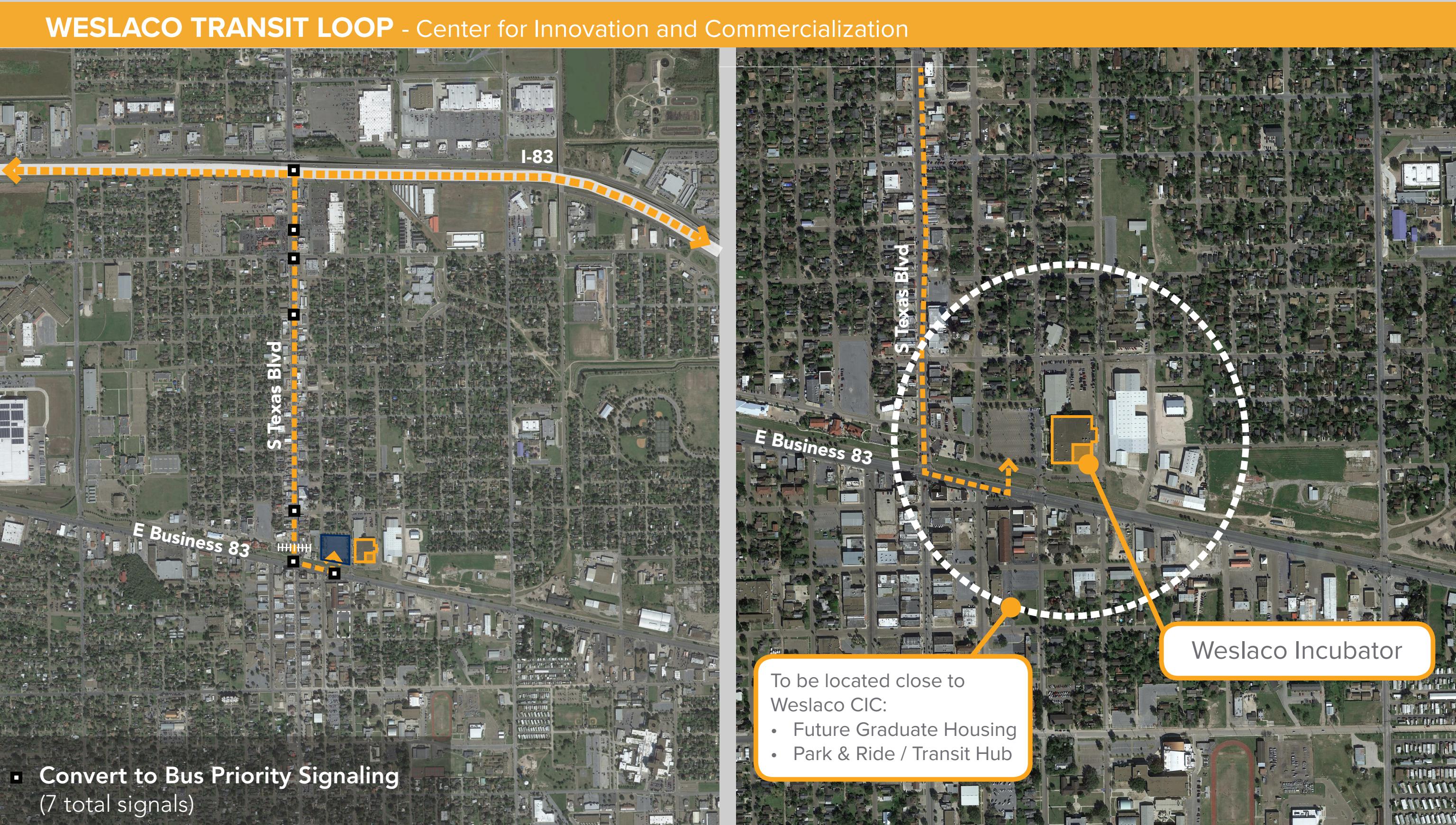
## HARLINGEN TRANSIT LOOP - Clinical Education Building + Harlingen University Center



TYPE

LOCATION

TIME



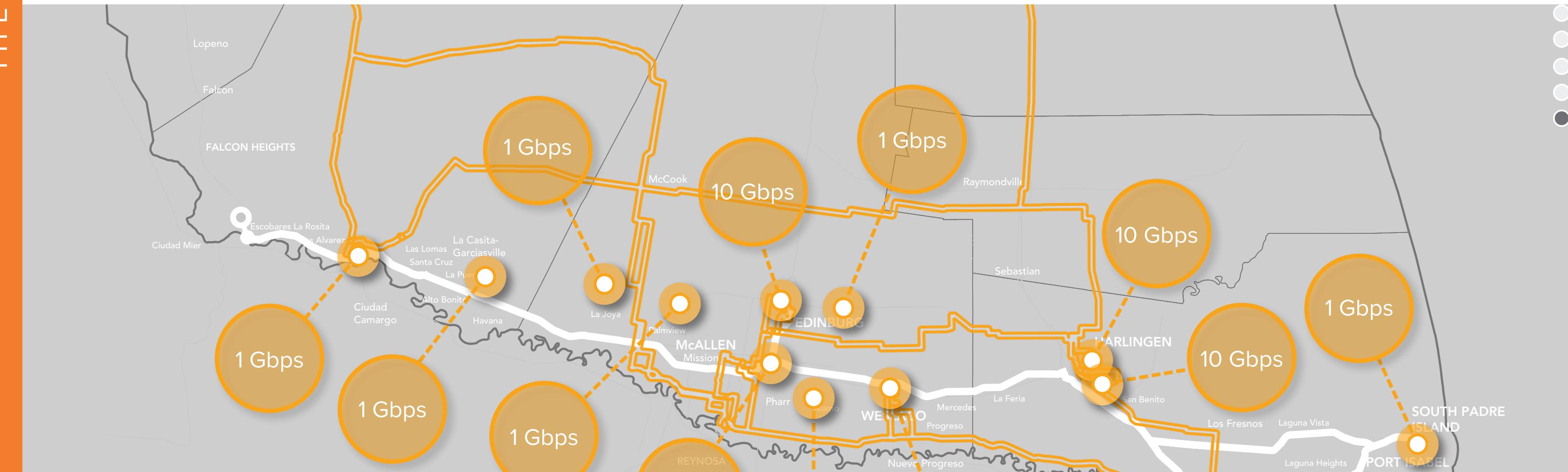
**McALLEN TRANSIT LOOP** - McAllen Teaching Site + Tooling Center

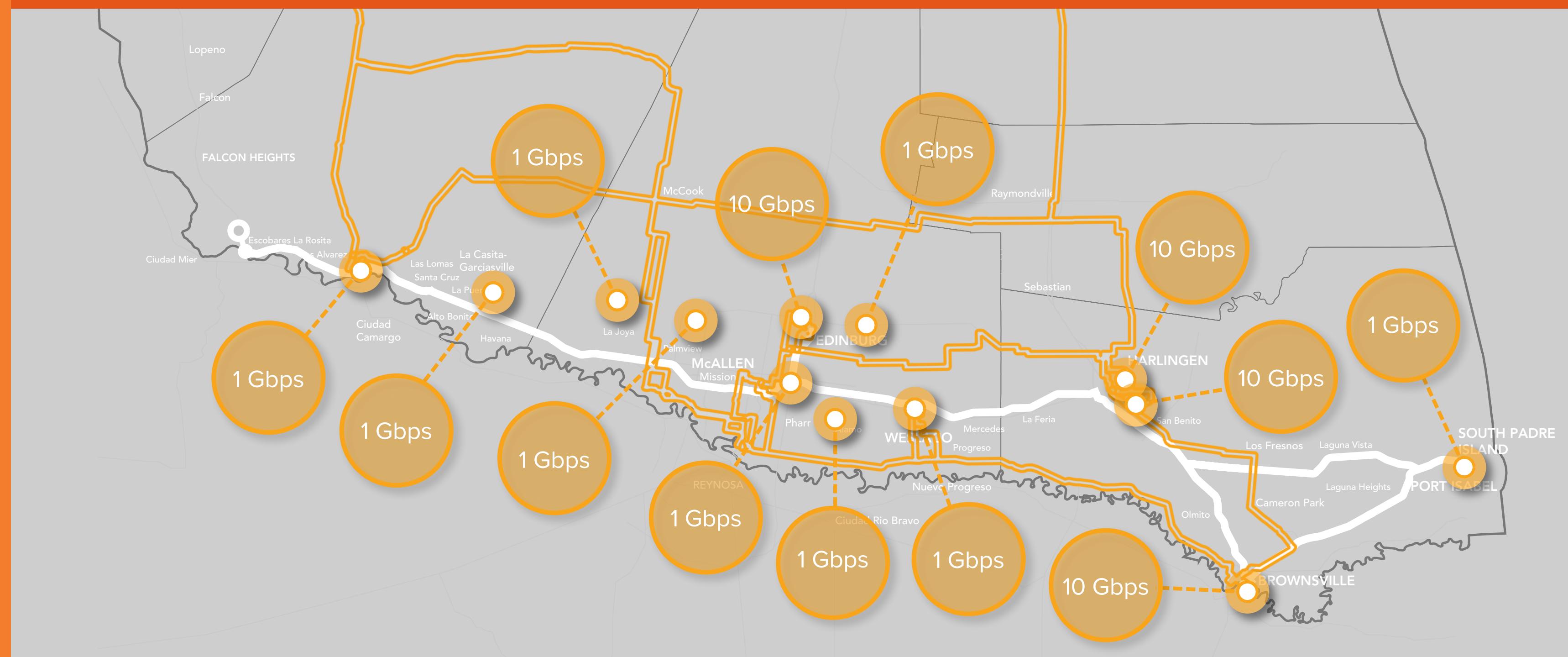


## TYPE

LOCATION

*Data connectivity is a key to success for any education campus; in the case of the distributed campus model it becomes essential and the quality and reliability of the data service needs to be designed to meet anticipated future needs for both teaching and research.*





## Increased Data Connectivity

### Improved Internet Bandwidth + Access

Every campus/site building, Specialized Site and Community Hub will have 10 GB connectivity and at least 1 GB for the Pop-up Hubs. The goal is for staff and students to have full access to service that enables speed of data transfer and capability for future modes around video and holographic teaching for remote students. The proposed Community Hubs will have high quality service such that students can join classes from these remote locations with an expectation of reliability and quality data service.

## LOCATION



## EDINBURG - 2017

### Existing Master Plan:

While the 2013 UT Pan American campus master plan suggested aggressive real estate development by tripling the amount of gross square feet, the proposed design framework remains a compelling and contextually appropriate set of guidelines. Primarily focused on developing the public realm, the design guidelines set forth a coherent campus pattern and civic structure composed of buildings, landscape, open space, courtyards and streets. In following these design guidelines, the UTRGV master plan maintains the campus form and building locations, but the building types and speed of delivery have been adjusted.

### Recent Purchases:

In 2015, the UT System Board of Regents approved the acquisition of land planned for future expansions. The purchase includes 53 acres owned by Norquest Family Holdings Ltd., at the southeast quadrant of North Sugar Road and West Chapin Street adjacent to the current campus in Edinburg.

CAMPUS/SITE

ACADEMIC HUB

COMMUNITY HUB

SPECIALIZED SITE

CAMPUS/SITE

ACADEMIC HUB

COMMUNITY HUB



Zapata County  
**Brownsville - 2017**

**Existing Master Plan:**

While the 2013 Brownsville campus master plan suggested aggressive real estate development on newly acquired land, the design framework remains a compelling and comprehensive set of guidelines. The UTRGV master plan matches real estate development with new academic targets, lease space reevaluations, available land and upgrades to alleviate operational deficiencies. In following the 2013 design principles and guidelines, building locations have been maintained, but the building types and speed of delivery have been adjusted.

**Recent Purchases:**

In 2016, UTRGV acquired the historic Cueto building in downtown Brownsville and three parcels of land adjacent to the existing Casa Bella student housing. Totaling approximately 50 acres, the newly acquired parcels are at Jackson and FJMR Avenue and clustered around the existing Burger King building. At the time of the development of the master plan, UTRGV considered

CAMPUS/SITE

ACADEMIC HUB

COMMUNITY HUB

SPECIALIZED SITE



TIME SLIDER

2017

+5 YEARS

+10 YEARS

+15 YEARS

TIME SLIDER



**HARLINGEN - 2017****Clinical Education Building (CEBL)  
(Formerly RAHC):**

The Clinical Education Building houses UTRGV Administration and a library. The Harlingen Library is one of the libraries serving the UT Rio Grande Valley School of Medicine and also serves as the clinical library for UT Health Science Center at San Antonio students and residents on location in the Rio Grande Valley. Currently, as a percent of the total assignable square feet, 24.6% of the Clinical Education Building is used for Learning, 23.4% for Library and 52% for Office. When considered against the gross square feet, 20.2% of the building is used for Circulation, 10.4% for Mechanical and 6.2% for Storage/ Service.

**Academic + Clinical Research Building:**

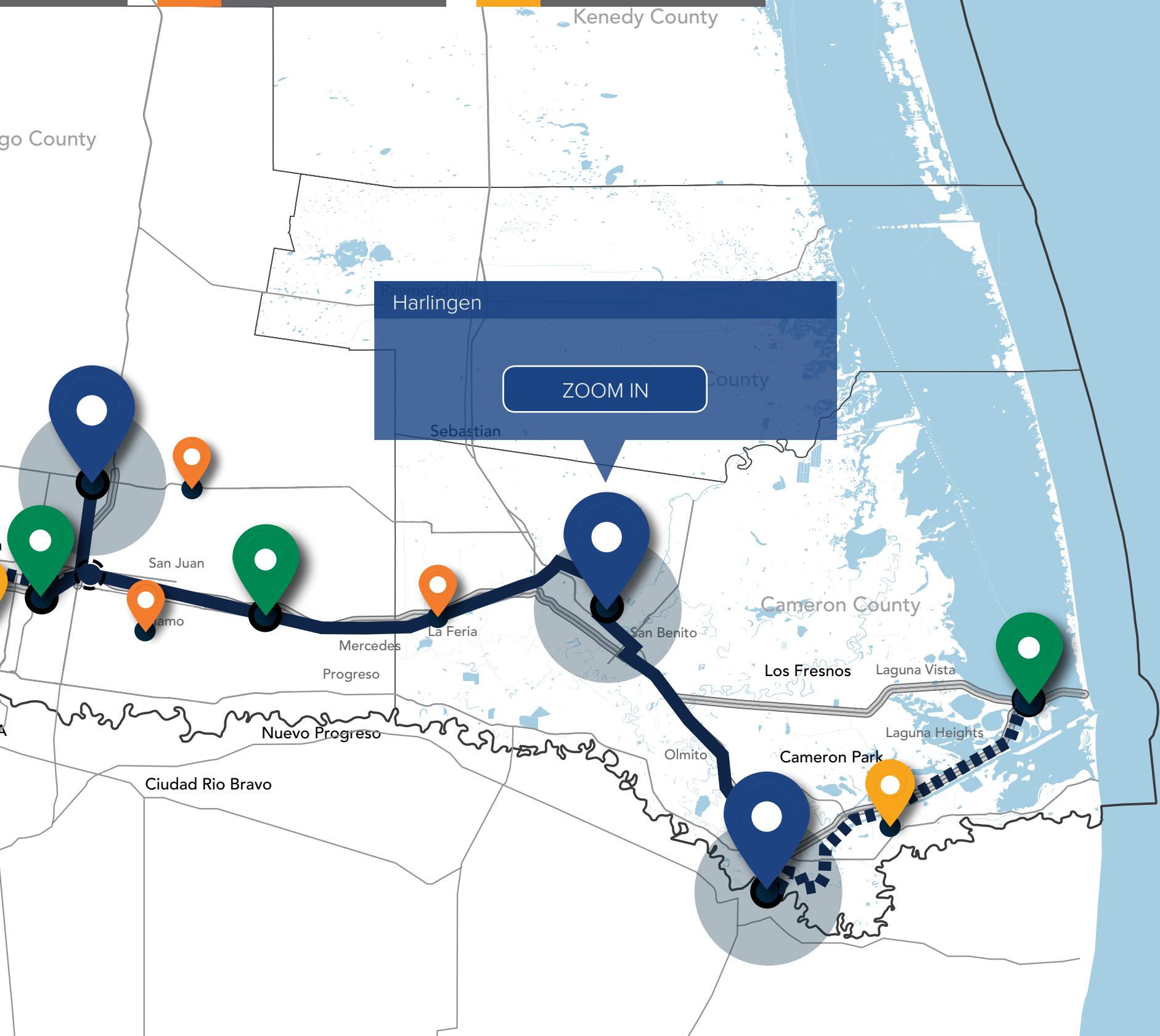
The first floor of the Clinical Research Building houses the VA and a UTRGV Primary Care Nursing Clinic, and the SMART Hospital on the second floor. Although utilization of the SMART Hospital is very low, it is an important part of the first and second year

CAMPUS/SITE

ACADEMIC HUB

COMMUNITY HUB

SPECIALIZED SITE



TIME SLIDER

2017

+5 YEARS

+10 YEARS

+15 YEARS

TIME SLIDER

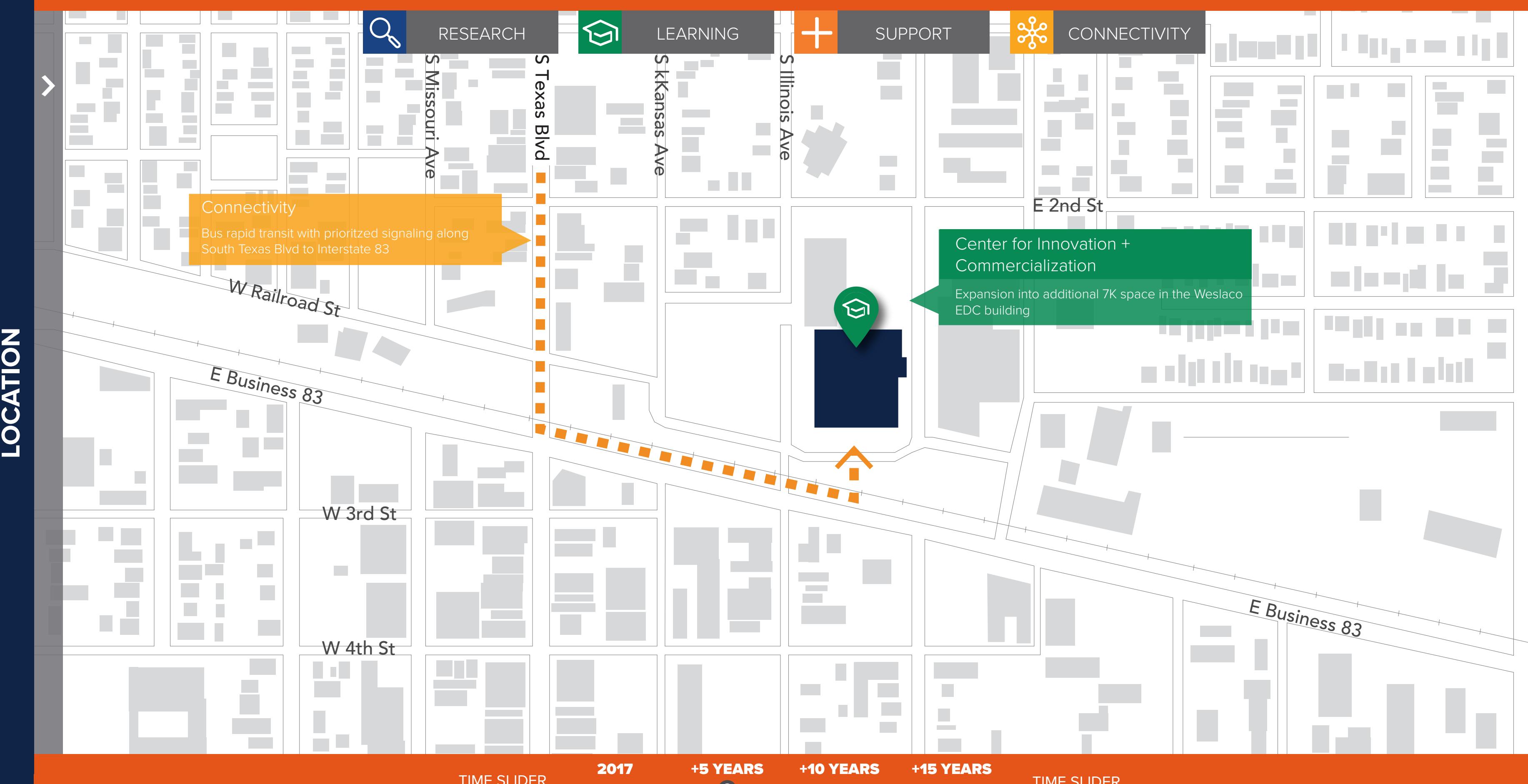
TIME

TYPE

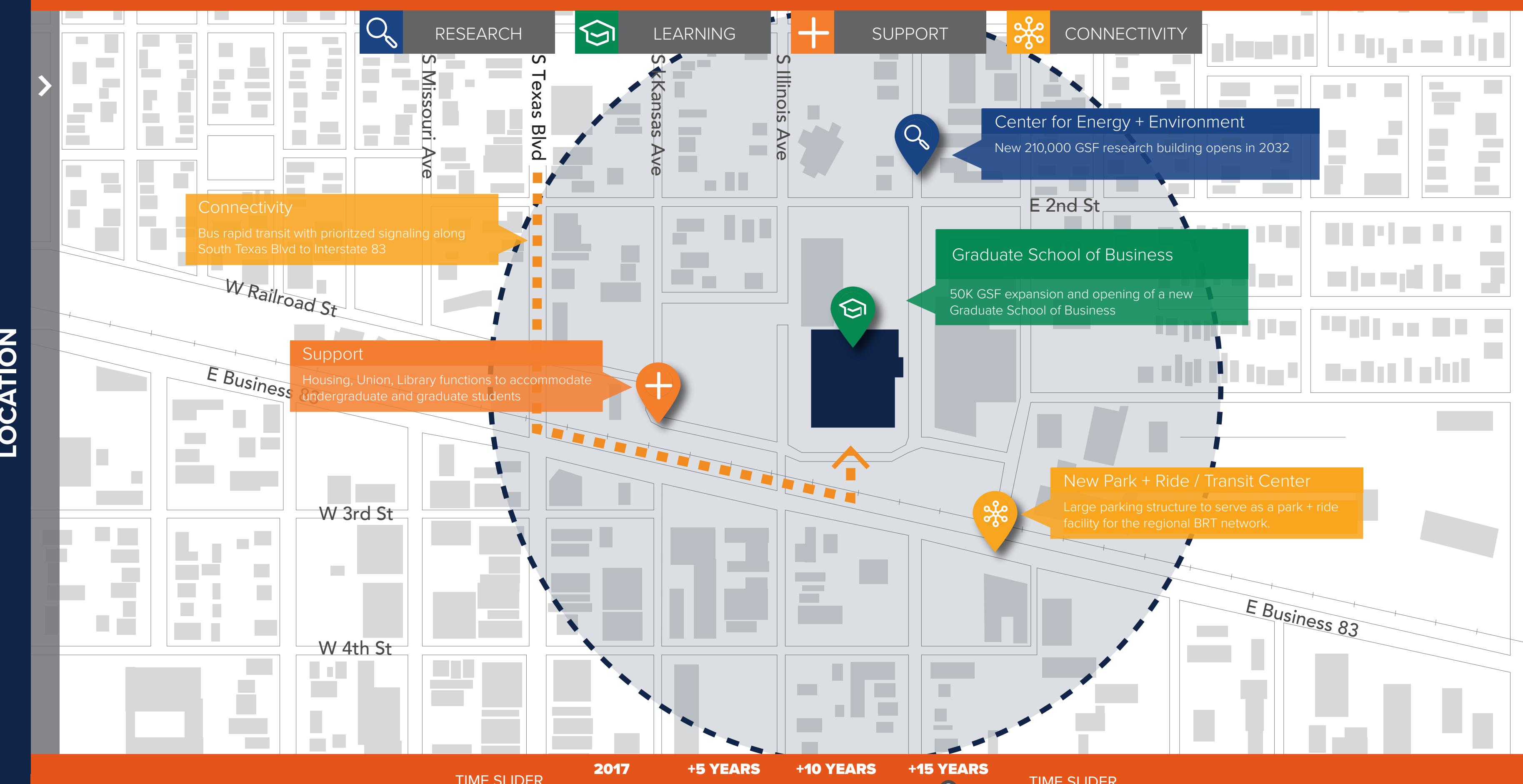
LOCATION





















RESEARCH



LEARNING



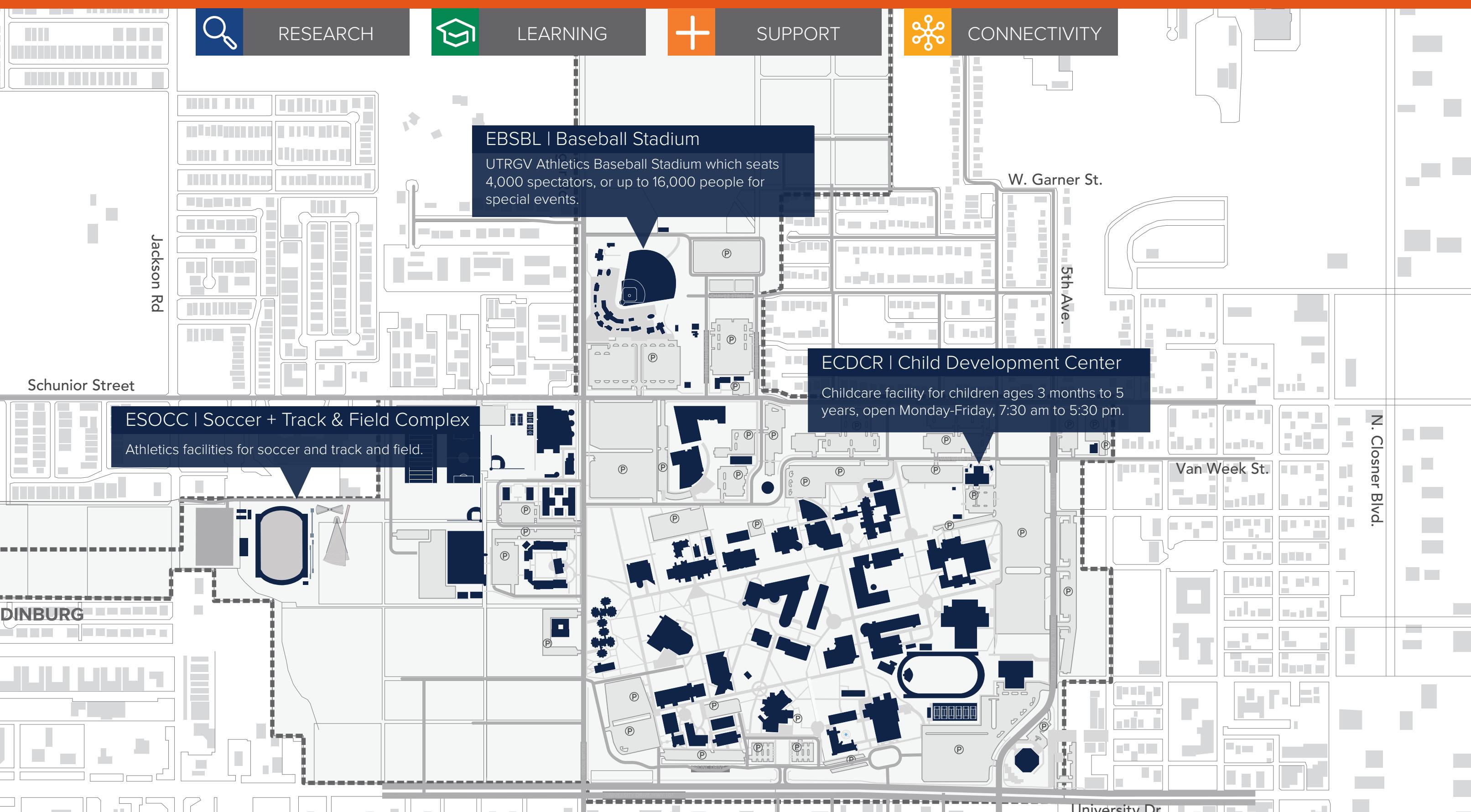
SUPPORT



CONNECTIVITY

LOCATION

TIME



TIME SLIDER

2017

+5 YEARS

+10 YEARS

+15 YEARS

TIME SLIDER

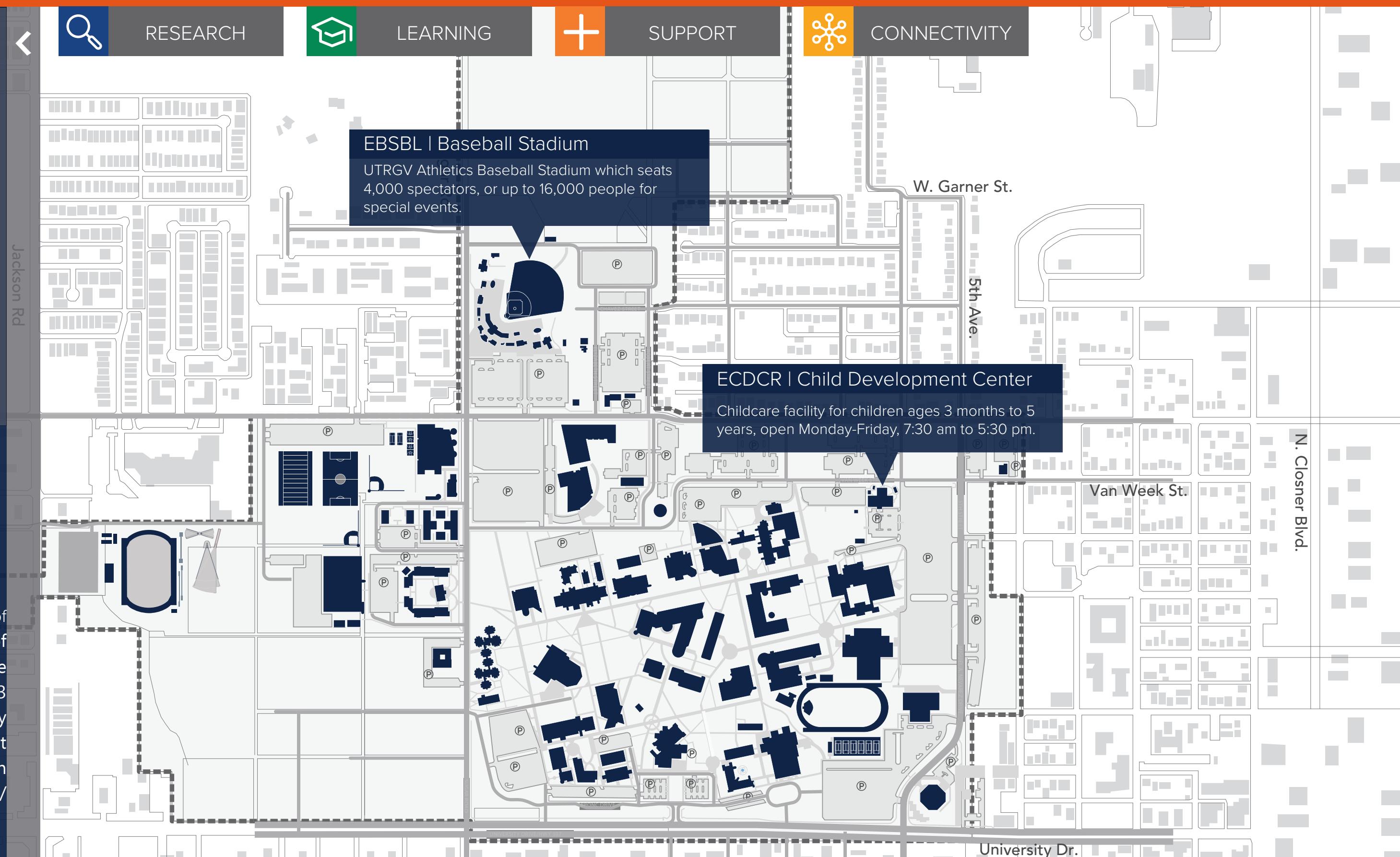
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TIME SLIDER

2017

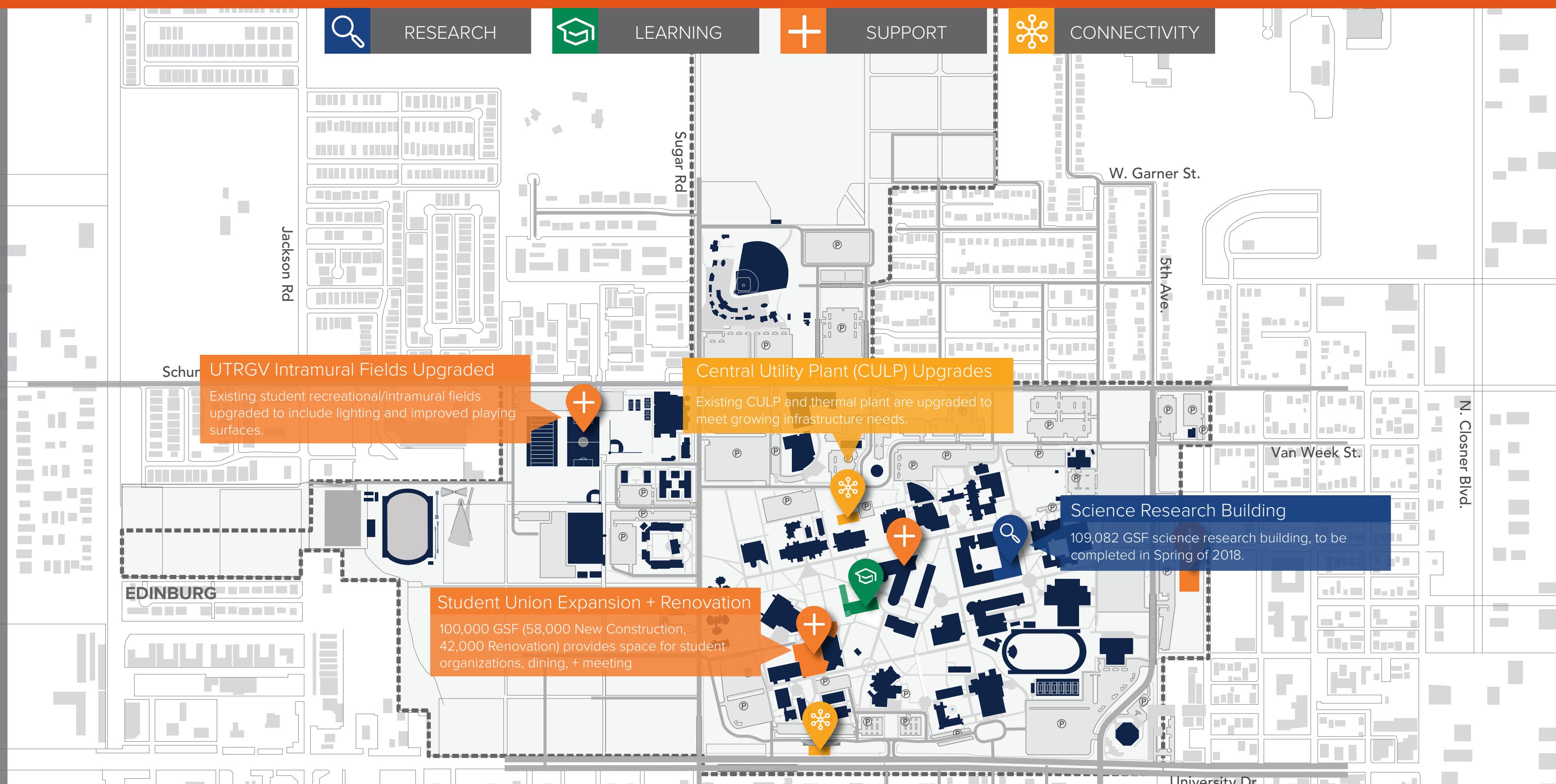
+5 YEARS

+10 YEARS

+15 YEARS

TIME SLIDER

LOCATION



TIME SLIDER

2017

+5 YEARS

+10 YEARS

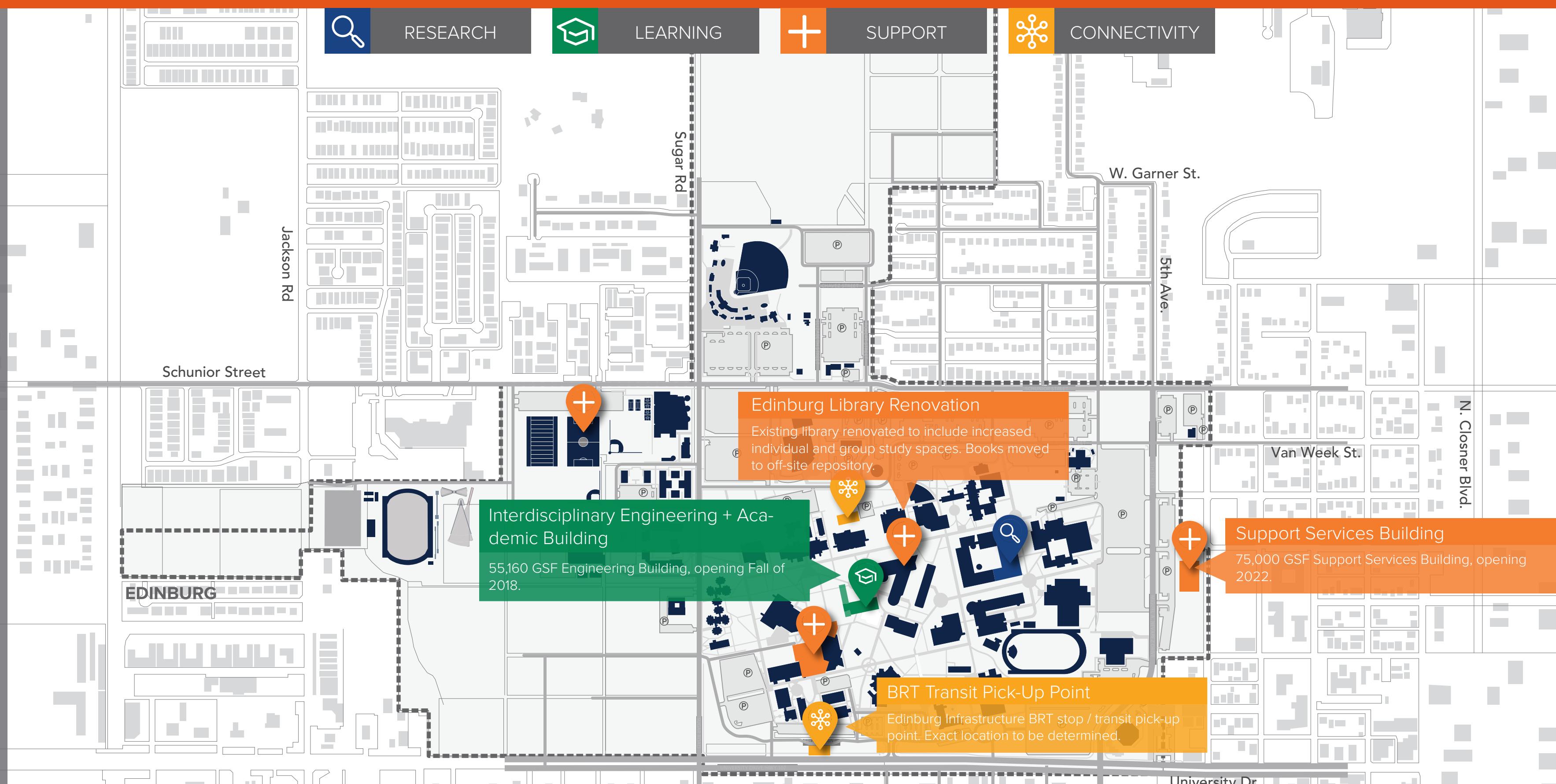
+15 YEARS

TIME SLIDER

TIME

TYPE

LOCATION



TIME SLIDER

2017

+5 YEARS

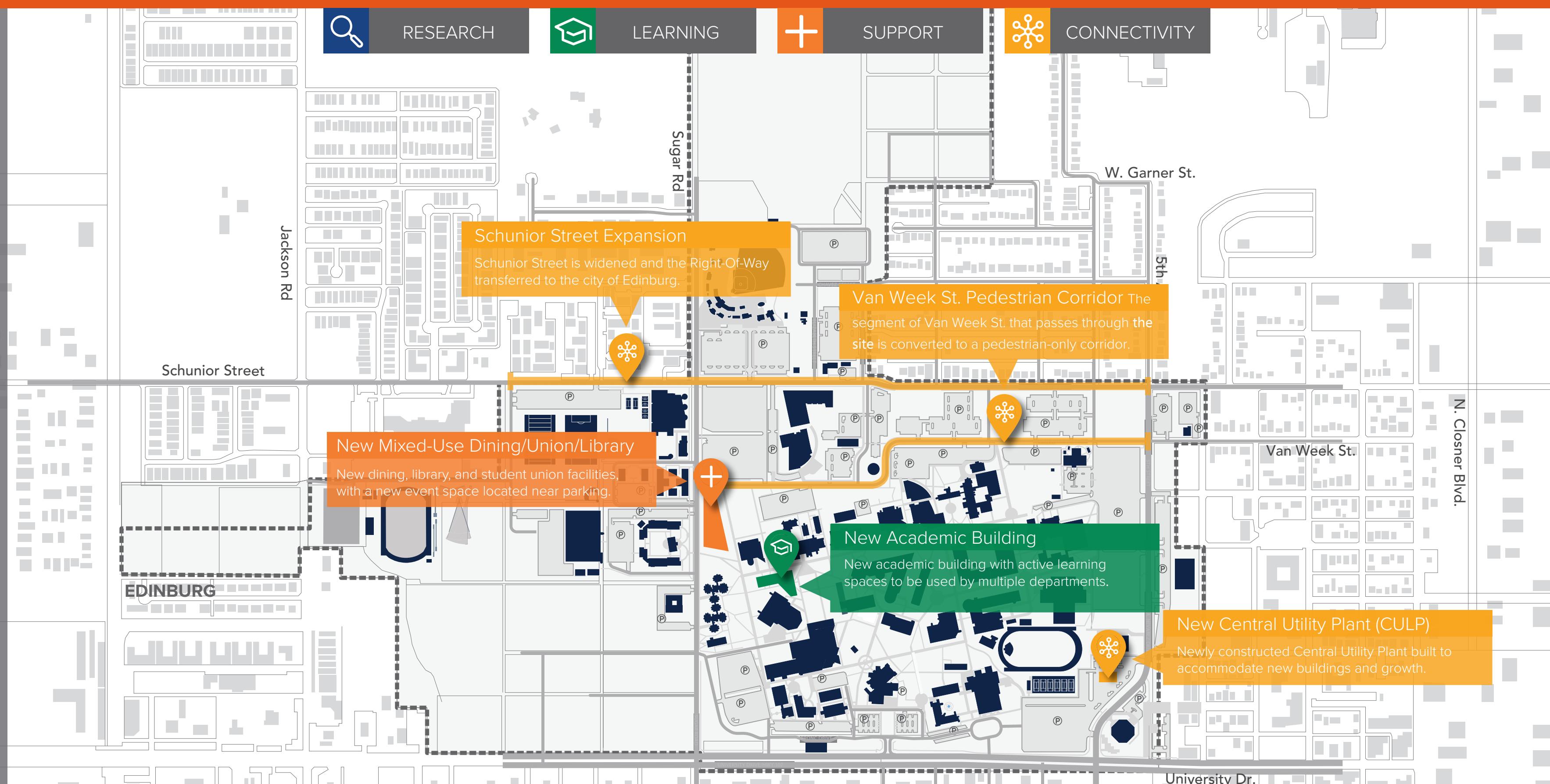
+10 YEARS

+15 YEARS

TIME SLIDER

▼

LOCATION



TIME SLIDER



TIME

LOCATION

LOCATION



TIME SLIDER

2017

+5 YEARS

+10 YEARS

+15 YEARS

TIME SLIDER

TIME

LOCATION



TIME SLIDER

2017

+5 YEARS

+10 YEARS

+15 YEARS

TIME SLIDER

TIME

TYPE



RESEARCH



LEARNING



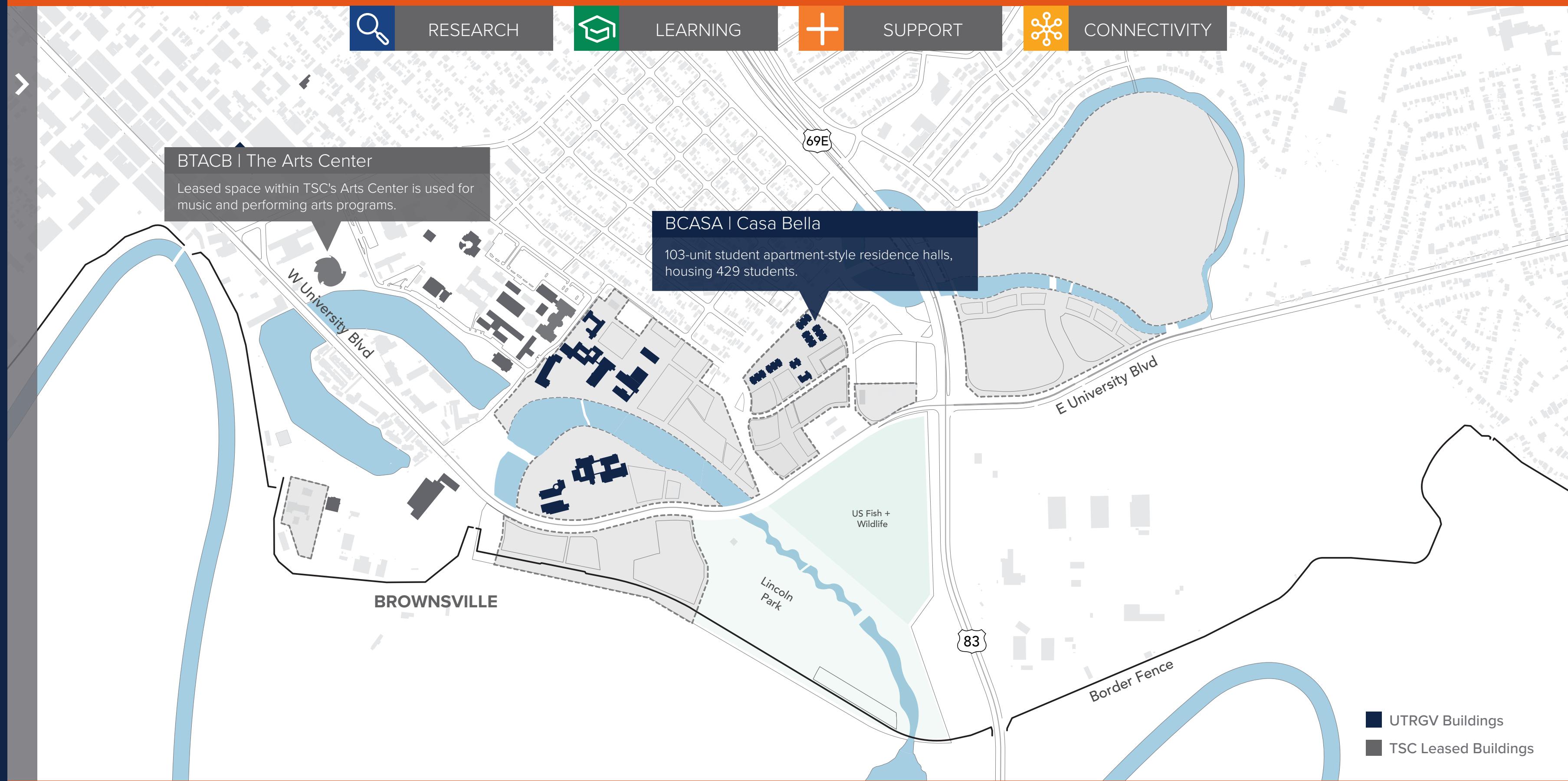
SUPPORT



CONNECTIVITY

LOCATION

TIME



TIME SLIDER

2017

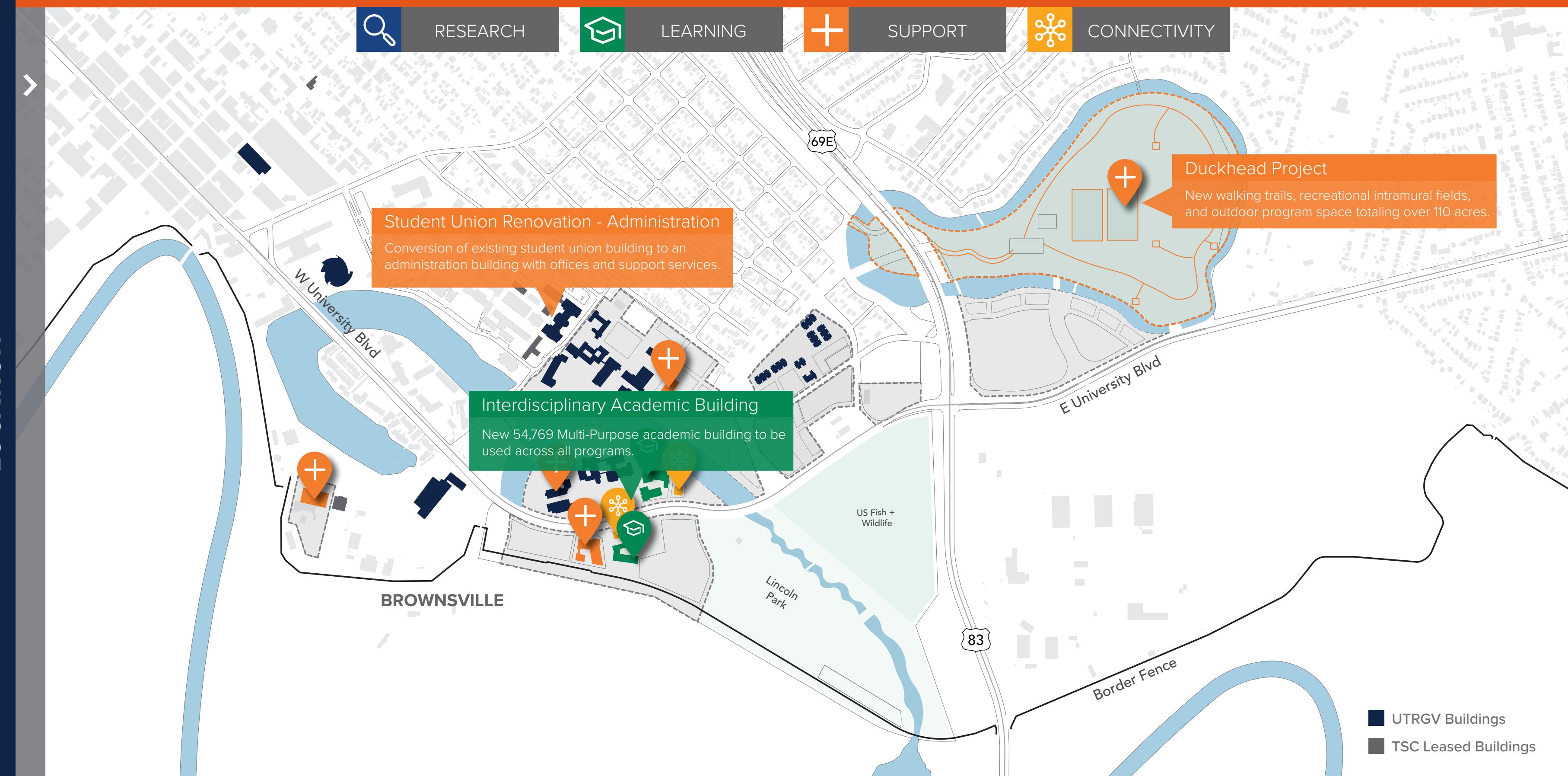
+5 YEARS

+10 YEARS

+15 YEARS

TIME SLIDER





TIME SLIDER

2017

+5 YEARS

+10 YEARS

+15 YEARS

TIME SLIDER



RESEARCH



LEARNING



SUPPORT



CONNECTIVITY

LOCATION

TIME

TYPE

## BTACB | The Arts Center

Currently leased space owned by TSC. UTRGV looking to acquire the property.

## Library Renovation

50,000 GSF renovation to the existing library. Books transferred to 100,000 GSF off-site book repository.

## Music, Science, and Learning Center

New 102,551 GSF academic building to be used by all academic departments featuring modern active learning classrooms.

## Central Utility Plant (CULP) Upgrades

Existing Central Utility Plant upgrades to accomodate existing demand.

## New Library

150,000 GSF New library building that includes social learning, group work, and study spaces.

BROWNSVILLE

UTRGV Buildings

TSC Leased Buildings

TIME SLIDER

2017

+5 YEARS

+10 YEARS

+15 YEARS

TIME SLIDER



RESEARCH



LEARNING



SUPPORT



CONNECTIVITY

LOCATION

TIME

TYPE

## Library Expansion

45,000 GSF library expansion.

BROWNSVILLE

## Multi-Purpose Classroom Building

New 75,000 GSF academic classroom building to accommodate learning growth.

UTRGV Buildings

TSC Leased Buildings

TIME SLIDER

2017

+5 YEARS

+10 YEARS

+15 YEARS

TIME SLIDER





RESEARCH



LEARNING



SUPPORT



CONNECTIVITY

LOCATION

TIME

TYPE

**New Academic Building**

100,000 GSF Multi-Disciplinary Academic Building, opening 2027.

**New Residence Halls**

New student housing in both apartment-style and dormitory-style arrangements.

**New Interdisciplinary Research Building**

210,000 GSF Interdisciplinary Research Building containing labs, research offices, and general research support.

**BROWNSVILLE**

UTRGV Buildings

TSC Leased Buildings

TIME SLIDER

2017

+5 YEARS

+10 YEARS

+15 YEARS

TIME SLIDER



RESEARCH



LEARNING



SUPPORT

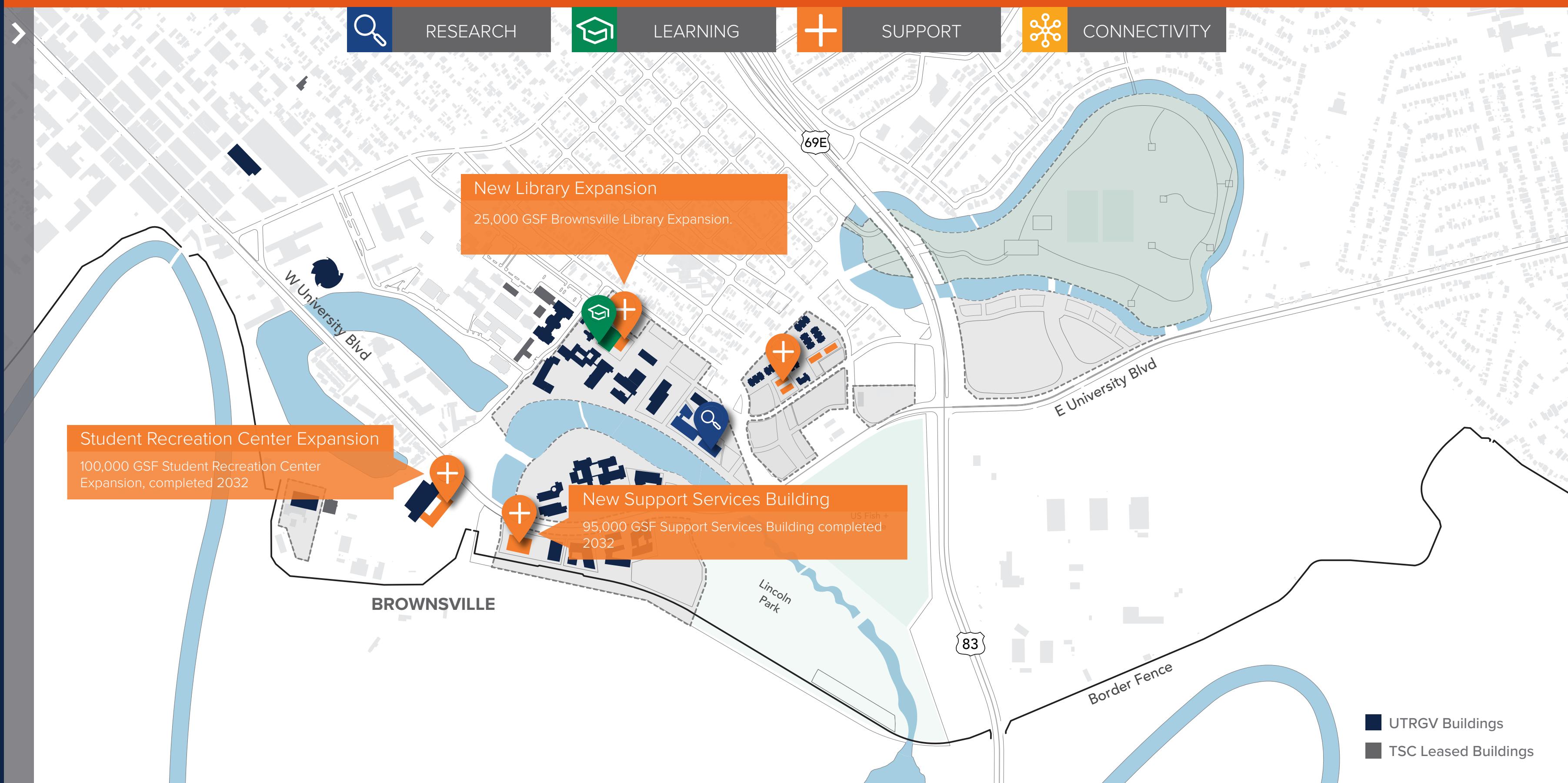


CONNECTIVITY

LOCATION

TIME

TYPE



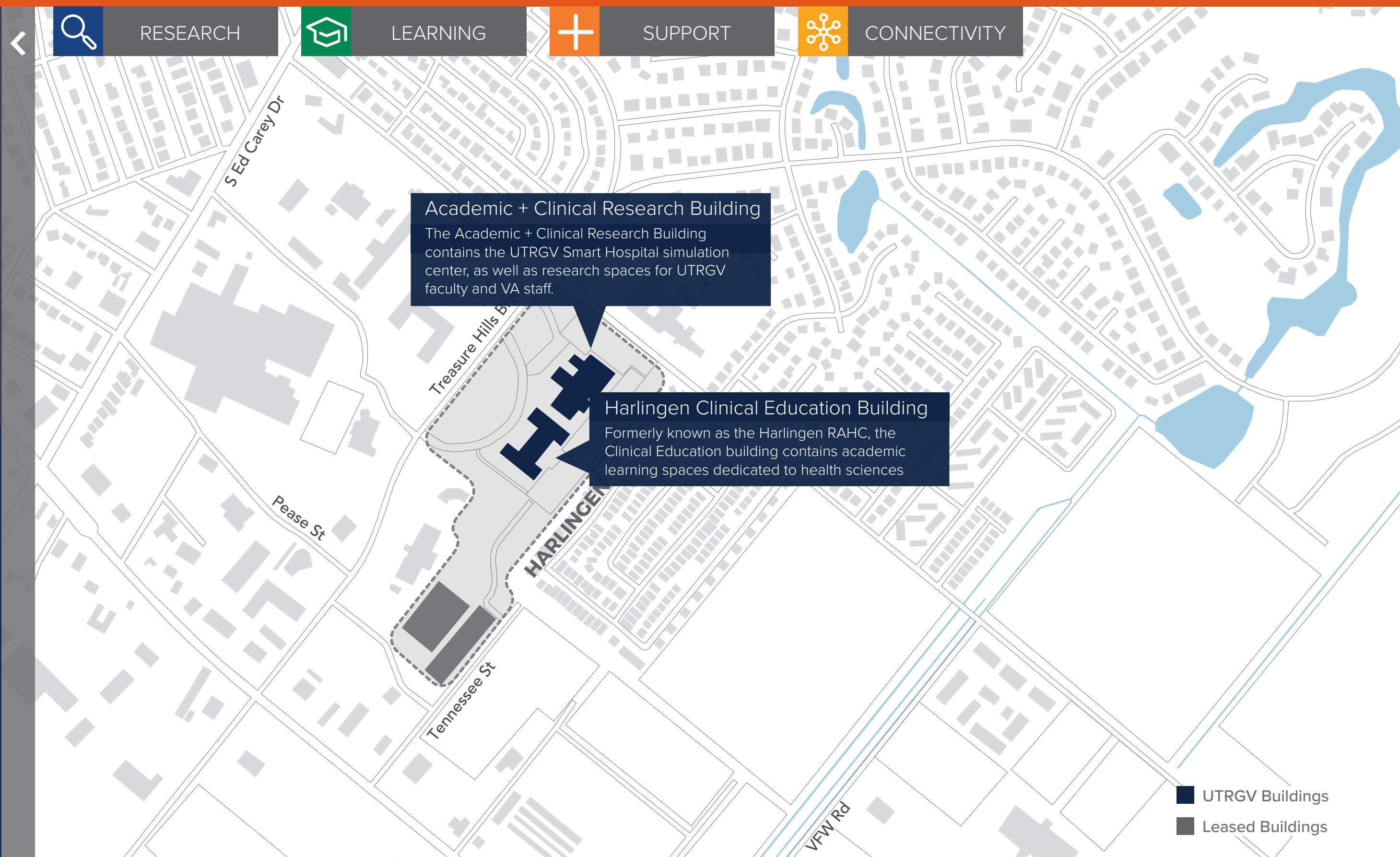
## HARLINGEN - 2017

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TIME SLIDER

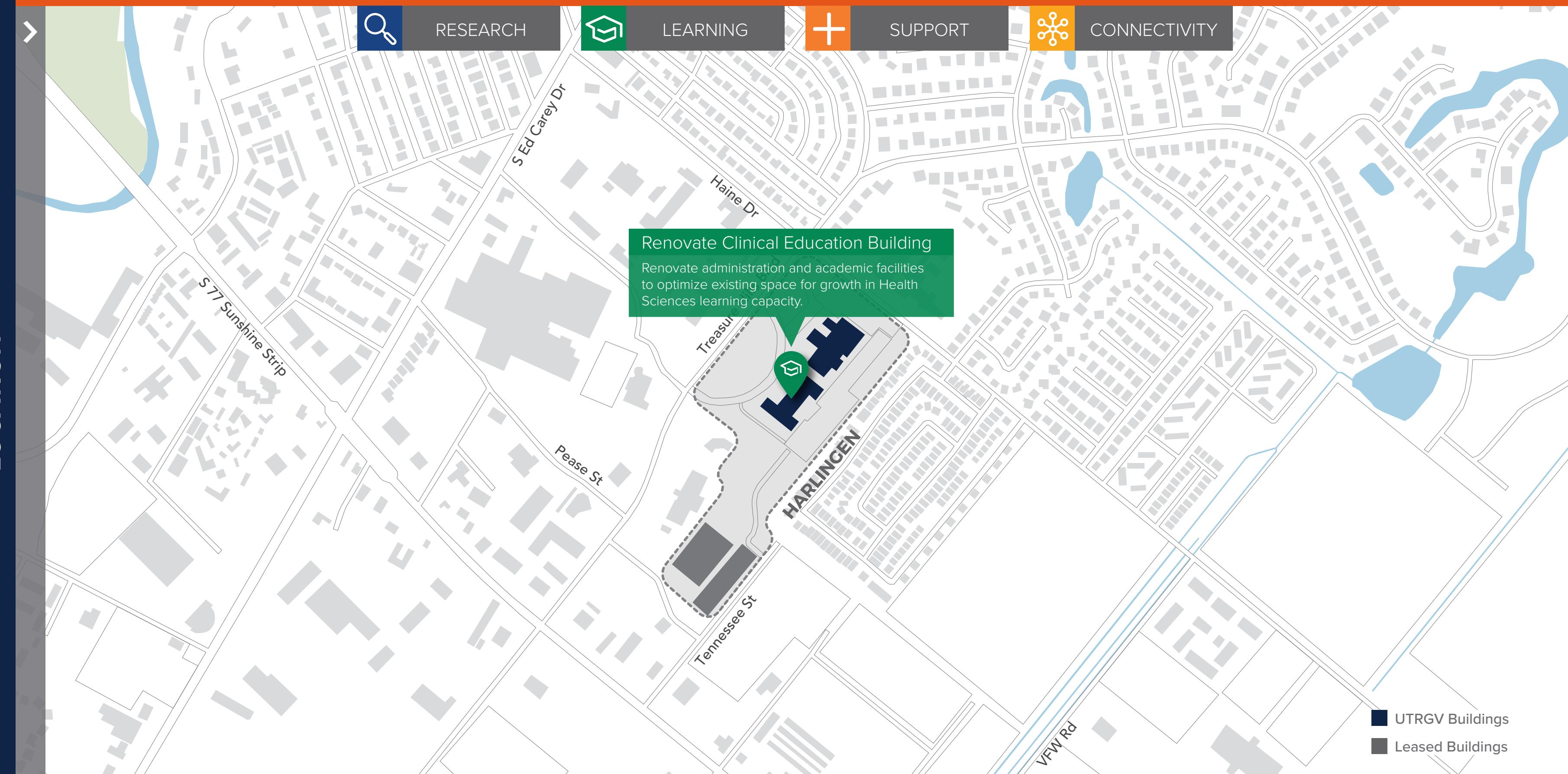
2017

+5 YEARS

+10 YEARS

+15 YEARS

TIME SLIDER



TIME SLIDER

2017

+5 YEARS

+10 YEARS

+15 YEARS

TIME SLIDER



TIME SLIDER

2017 +5 YEARS +10 YEARS +15 YEARS

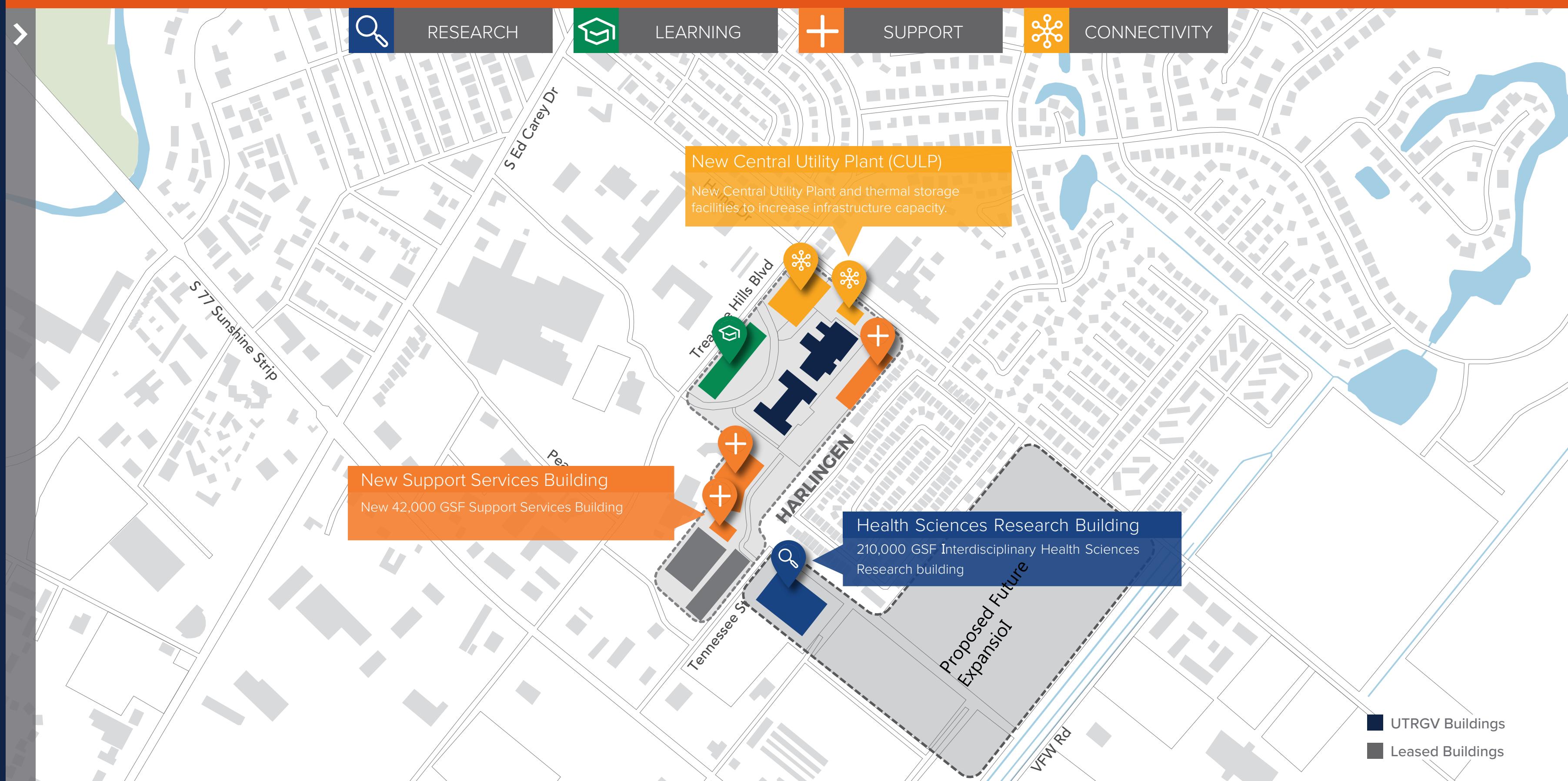
TIME SLIDER

■ UTRGV Buildings  
■ Leased Buildings

TIME

TYPE

## LOCATION

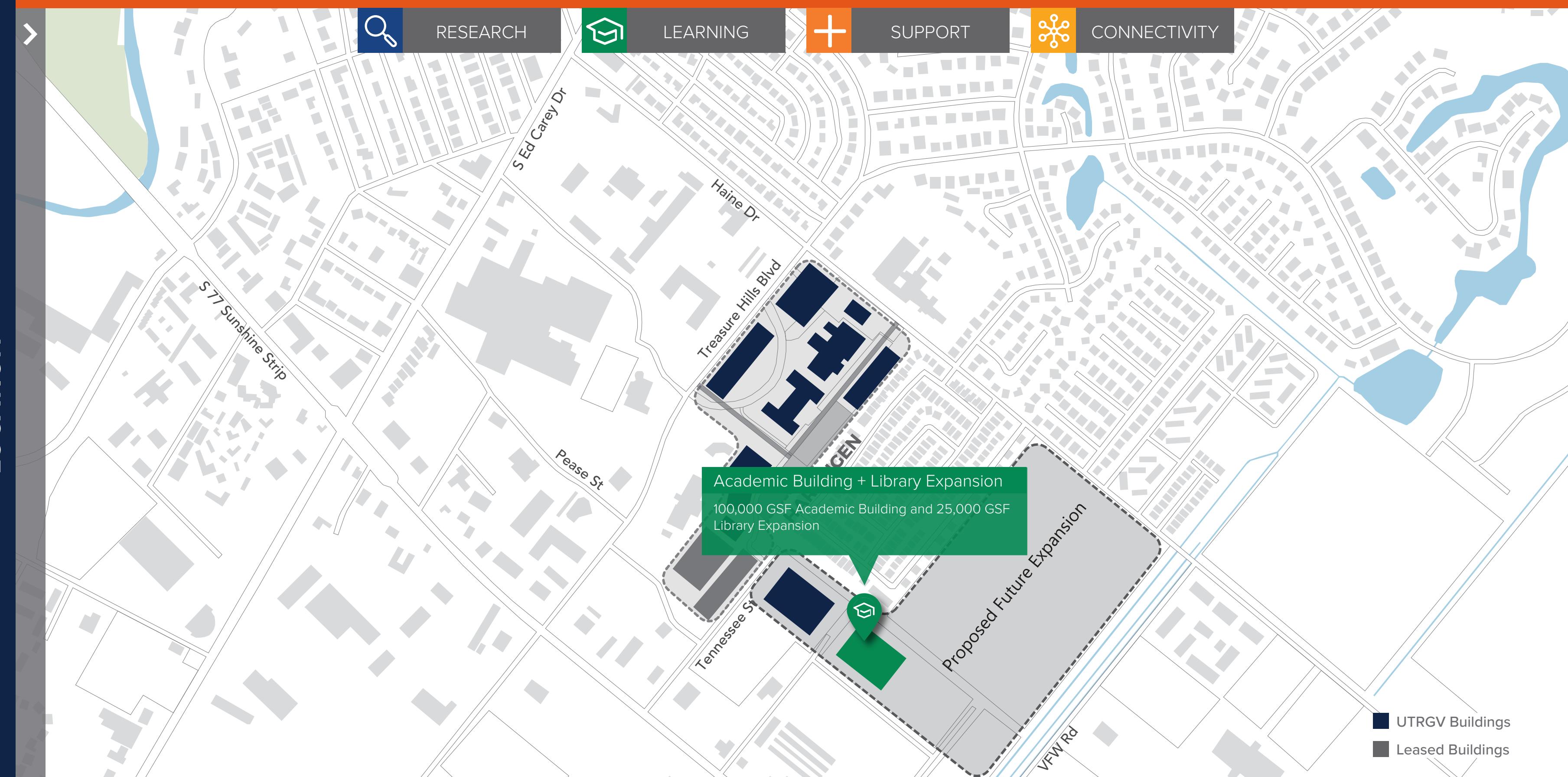


TIME SLIDER

TIME SLIDER

## TIME

## TYPE



## PORT ISABEL / SOUTH PADRE ISLAND

FALCON HEIGHTS  
Classification: Academic Hub

Focus: Environment

### Program Areas

- Water, Coast, and Oceans Learning Center

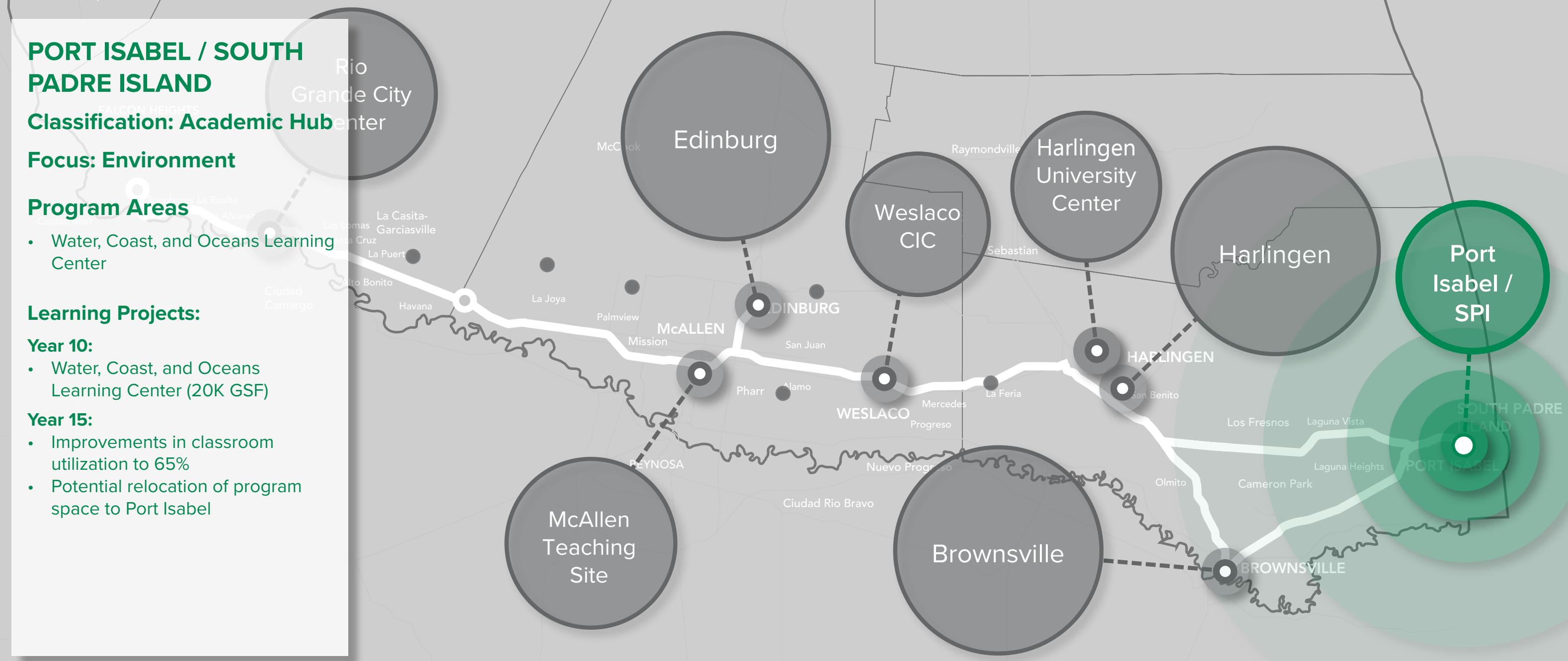
### Learning Projects:

#### Year 10:

- Water, Coast, and Oceans Learning Center (20K GSF)

#### Year 15:

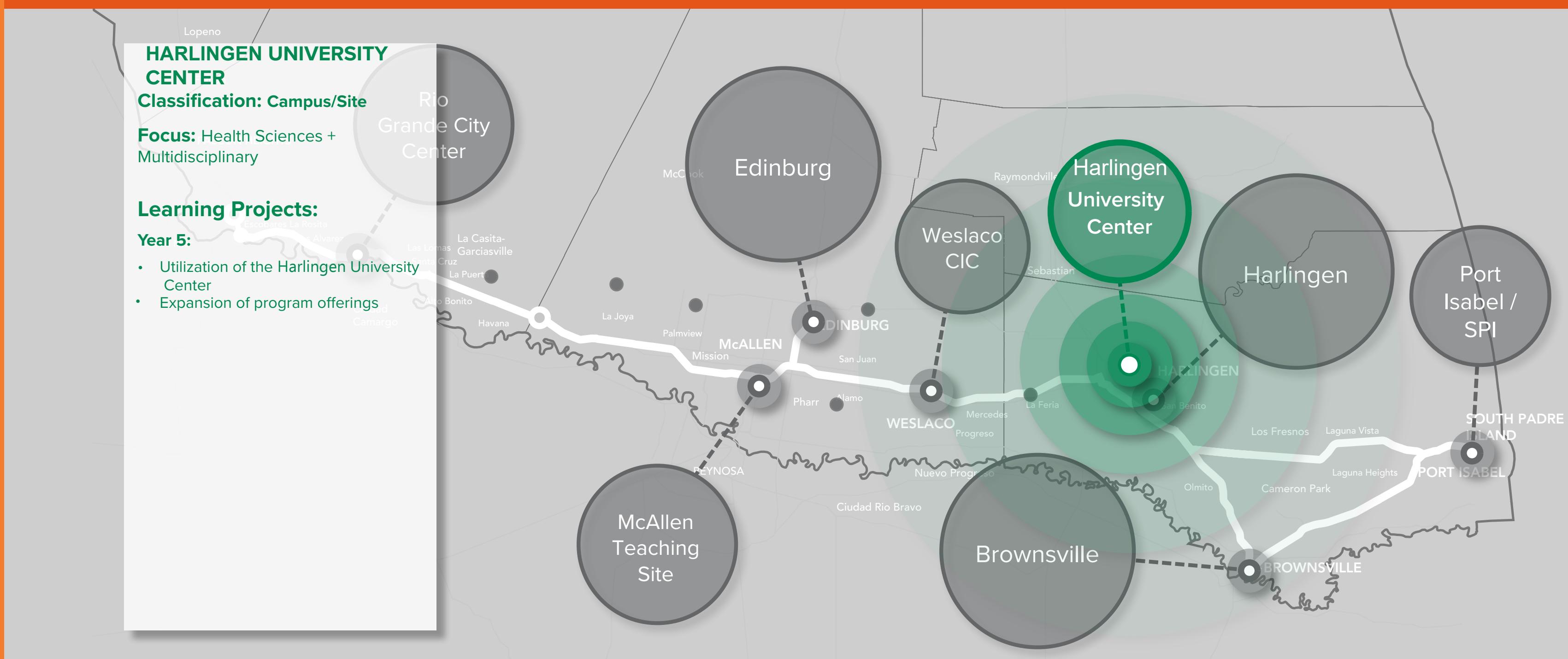
- Improvements in classroom utilization to 65%
- Potential relocation of program space to Port Isabel



## Learning in PORT ISABEL

### Coastal Studies Lab - South Padre Island

The current coastal studies lab will remain for the foreseeable future, but it is anticipated that learning facilities will be accommodated in a Water, Coast and Oceans research facility to be developed on 8 acres currently owned by UTRGV at South Padre Island.



## Learning in HARLINGEN UNIVERSITY CENTER

The Harlingen University Center is a multi-institutional teaching center and contains approximately 20,000 SF of shared instructional and support spaces for program and degree delivery. As a partnership among multiple education institutions throughout the Valley, the goal of the Harlingen University Center is to provide affordable access to quality higher education in the delivery of unduplicated bachelor's, master's, and doctoral degree programs and services. Currently, as a percentage of assignable square feet, 68% of the Harlingen University Center is used for learning, 15.25% is used for library/union, and 6% for office. In order to accommodate enrollment growth over the next five years, a major area of opportunity is to improve utilization of the Harlingen University Center and expand the program offerings to develop it as an active UTRGV Academic Hub. With a long term goal to associate it as part of the Harlingen health sciences site, program offerings should relate to the health sciences programs and general education requirements.