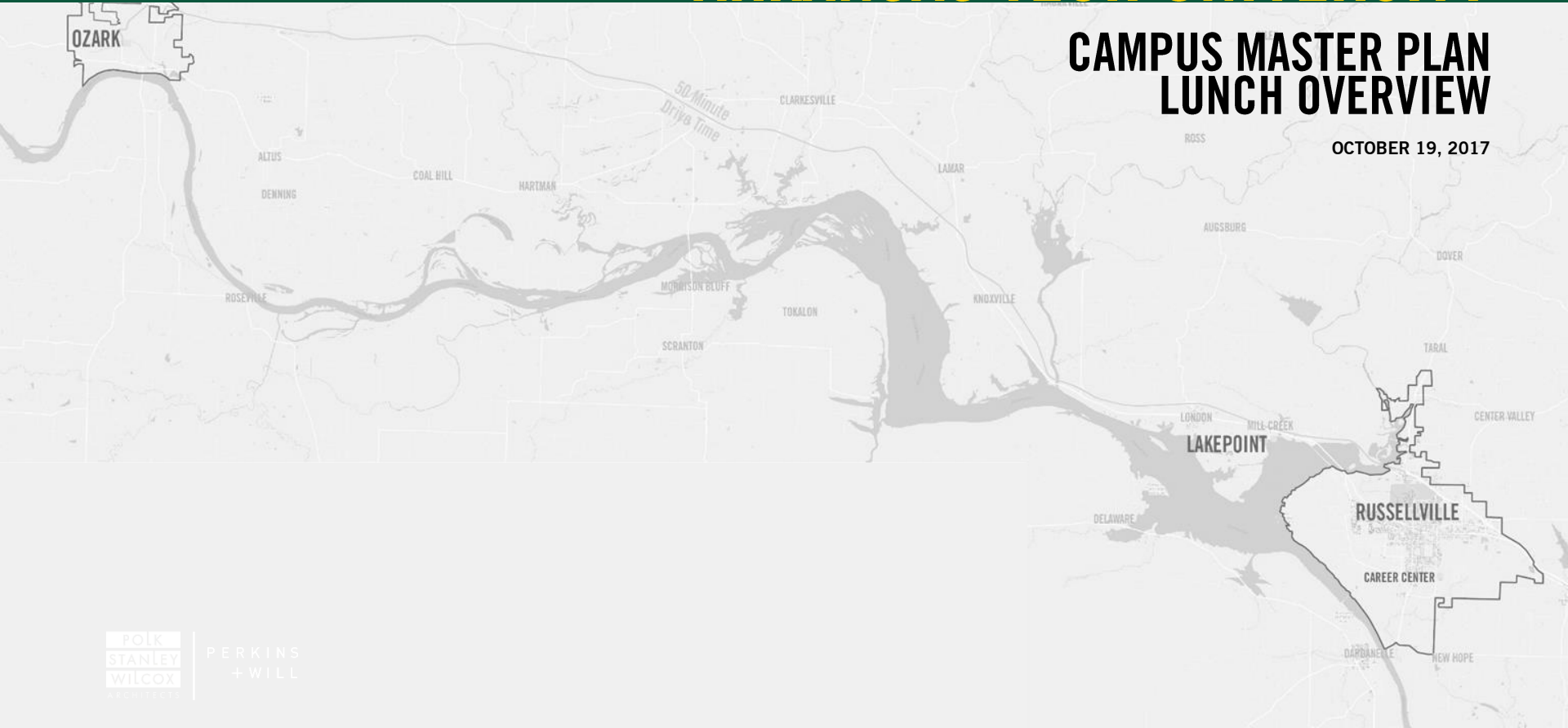


ARKANSAS TECH UNIVERSITY

CAMPUS MASTER PLAN LUNCH OVERVIEW

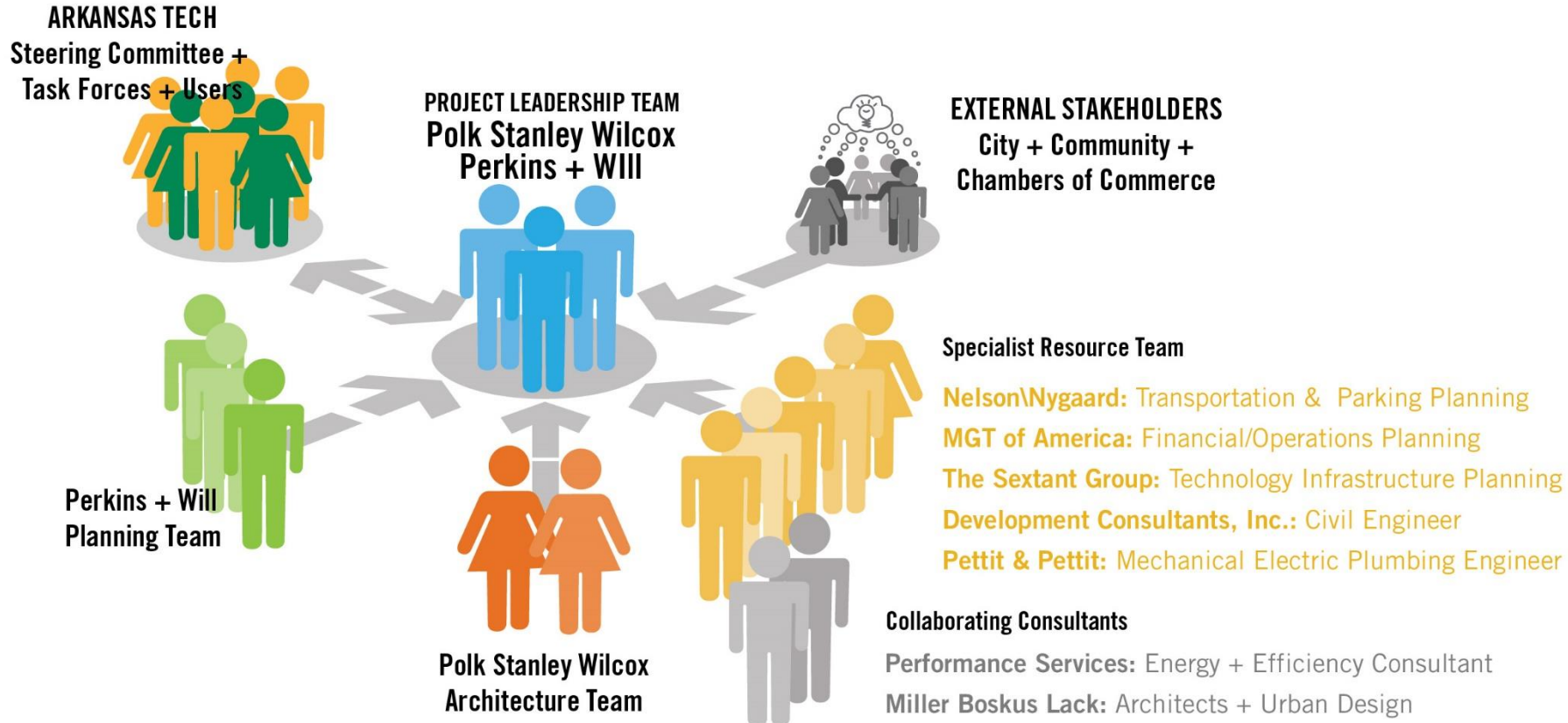
OCTOBER 19, 2017



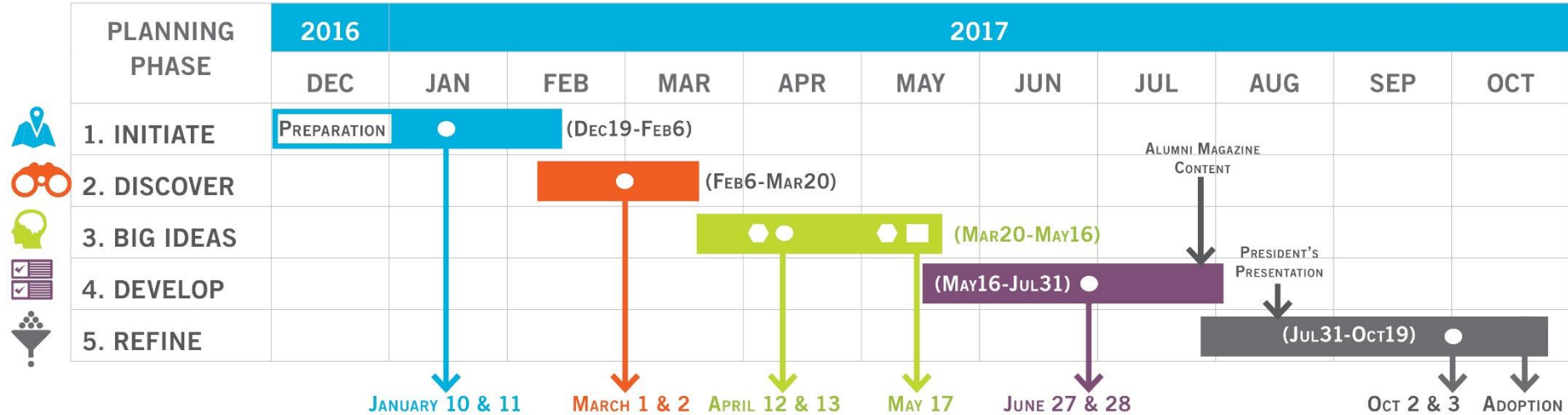
MEETING AGENDA

1. Introductions
2. Strategic Planning + Master Planning
3. Campus Analysis
4. Campus Design Principles
 - Connectivity + Gateways
 - Collaboration + Active Spaces
 - Resiliency + Sustainability
5. Master Plan Recommendations
 - Project Prioritization
 - Master Plan Overview
6. Ongoing Engagement + Monitoring

CAMPUS PLANNING PROJECT TEAM



PROJECT SCHEDULE



○ = Symposium (On-campus Workshop / Project Meetings / Presentations)

□ = Web-conference

⬡ = Consultant team workshop

(DATE) = Target work phase dates (note: dates are approximate and work phases will have some overlap)

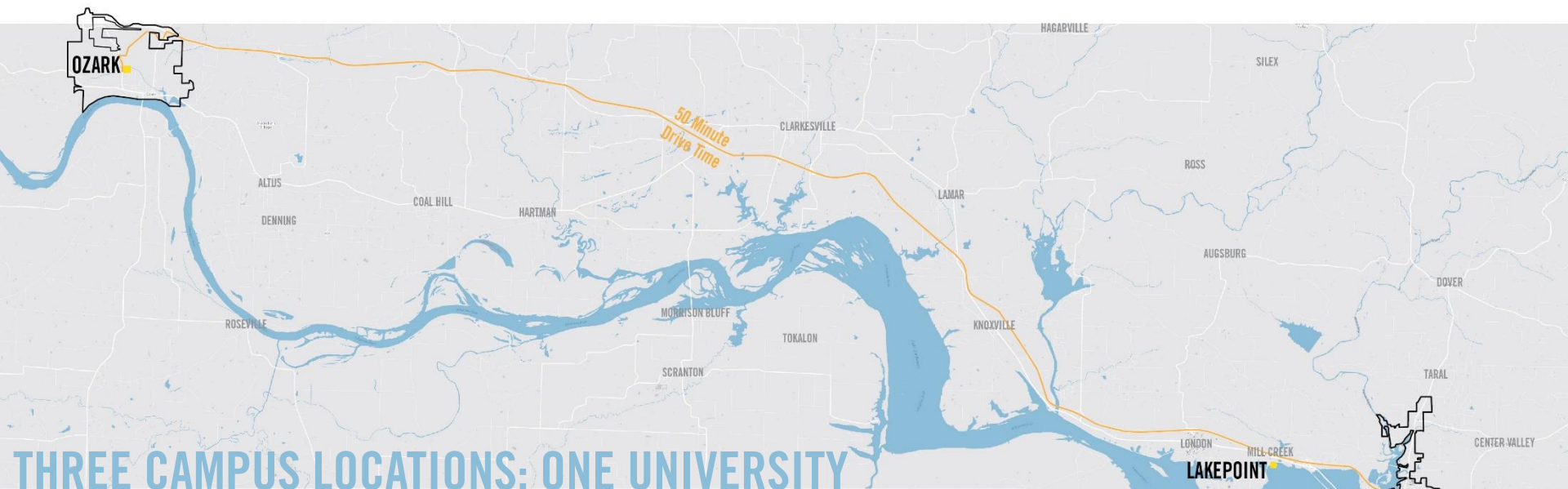


A MASTER PLAN GROUNDED IN THE STRATEGIC PLAN

STRATEGIC PLAN

The master plan is a tool and a set of process methods for improving university grounds and facilities over time, aligning strategic vision with the physical realities of campus locations.

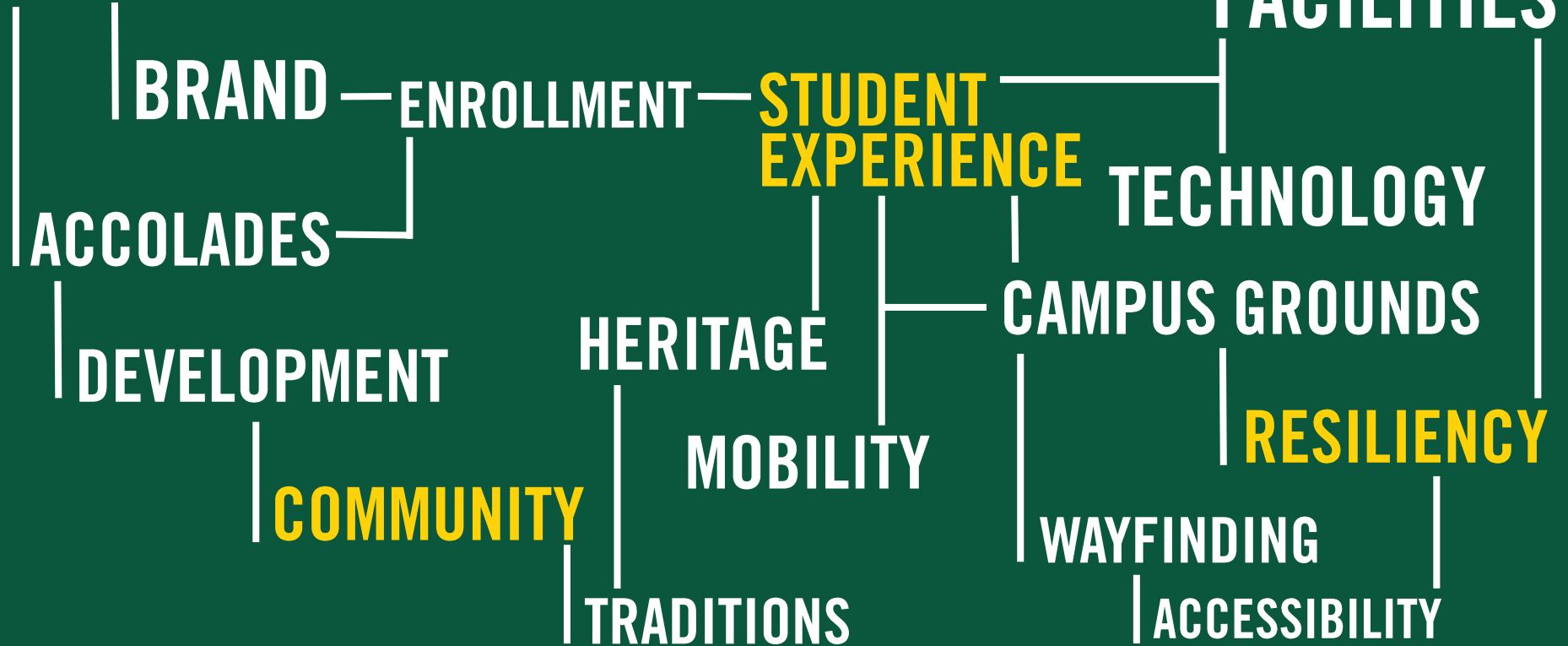




STRENGTHS

CHALLENGES

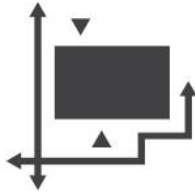
DIVERSITY IN “ONE UNIVERSITY”



WHY MASTER PLAN?



THINK BIG AND
EXPLORE IDEAS



IMPROVE EFFICIENCIES
AND ENSURE THAT PROPER
INFRASTRUCTURE IS IN PLACE



CREATE A SENSE OF PLACE
AND WEAVE CONNECTIONS BACK
TO THE COMMUNITY



IDENTIFY NEEDS, DEVELOP
COST-EFFECTIVE SOLUTIONS,
AND PRIORITIZE INVESTMENT



BRAND AWARENESS,
FUNDING, ATTRACTION
AND RETENTION

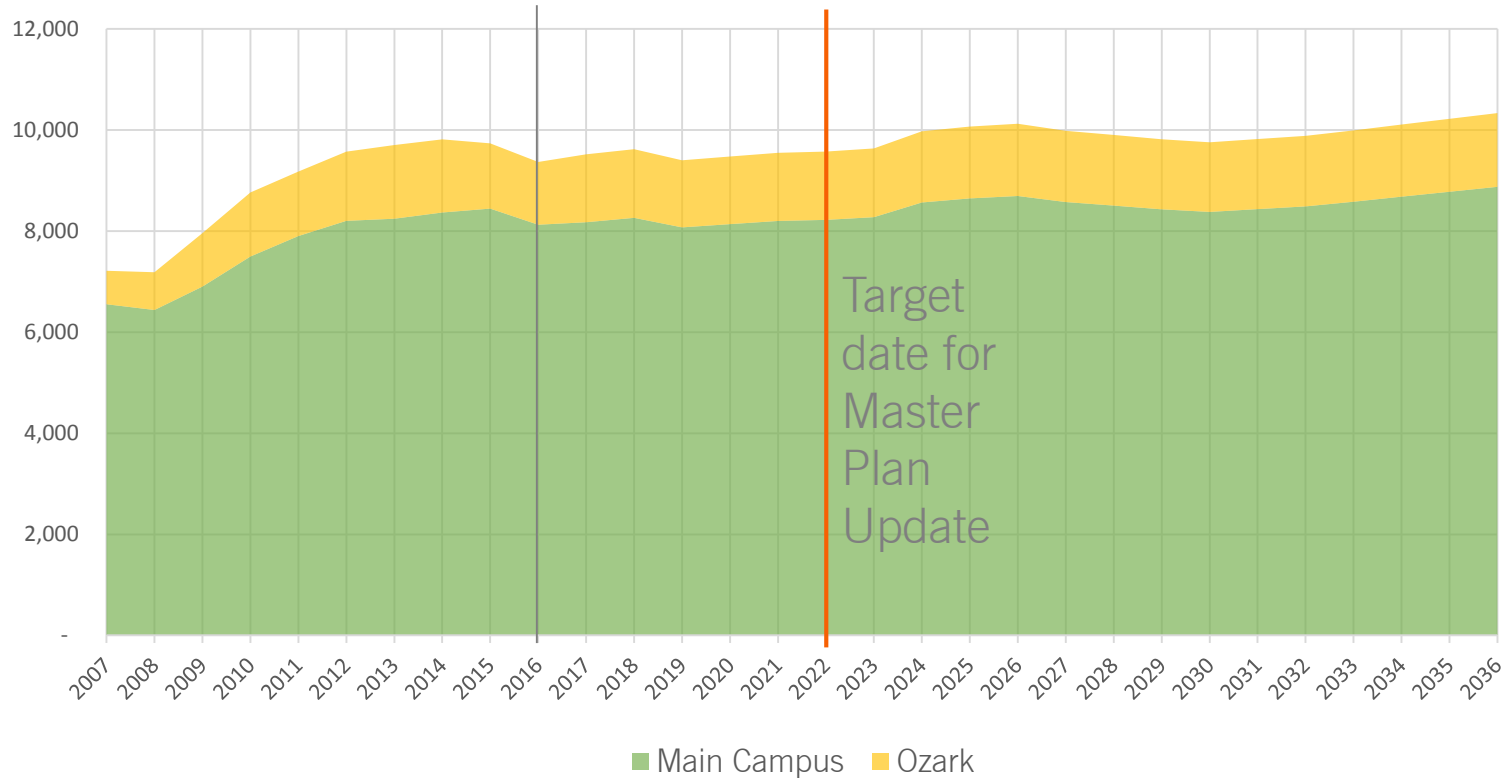
CAMPUS ANALYSIS

EXTENSIVE MEETINGS + ANALYSIS



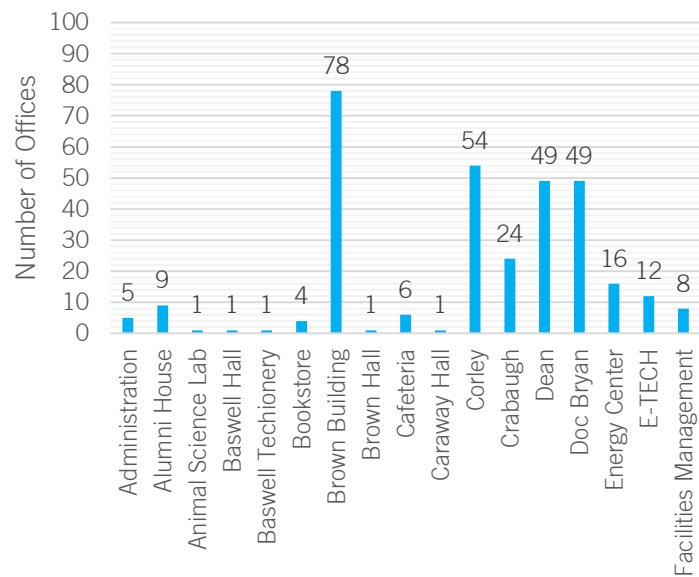
PLANNING FOR THE NEXT 20 YEARS

Historic + Projected Headcount Non-HS Enrollment
Ozark and Main Campuses

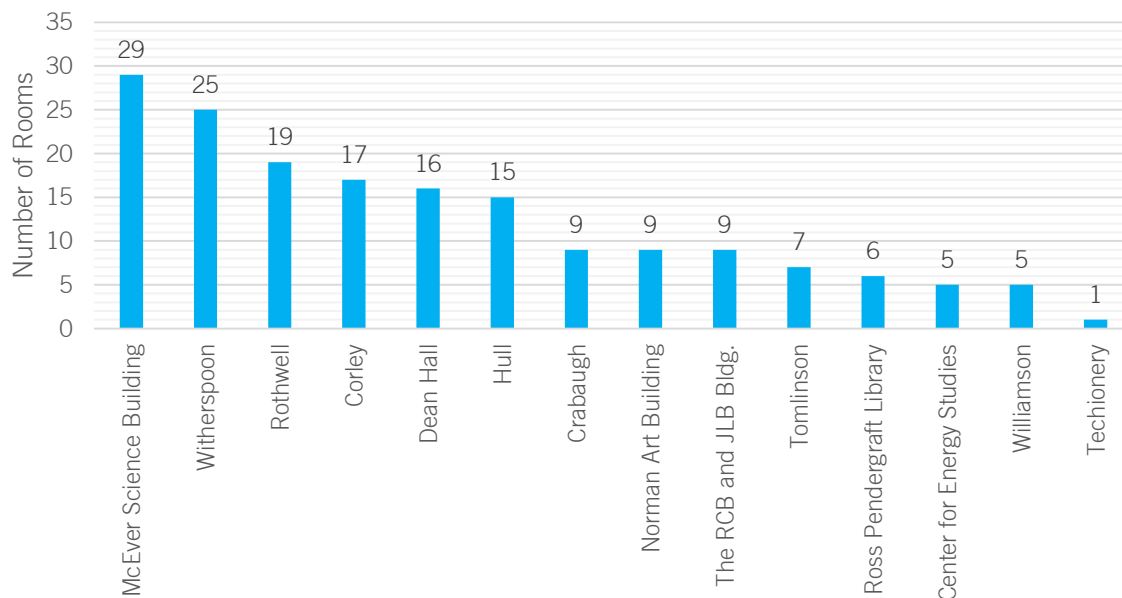


ACADEMIC SPACE NEEDS VS OFFICE SPACE NEEDS

Main Campus Office Quantities



Number of Instructional Rooms by Building

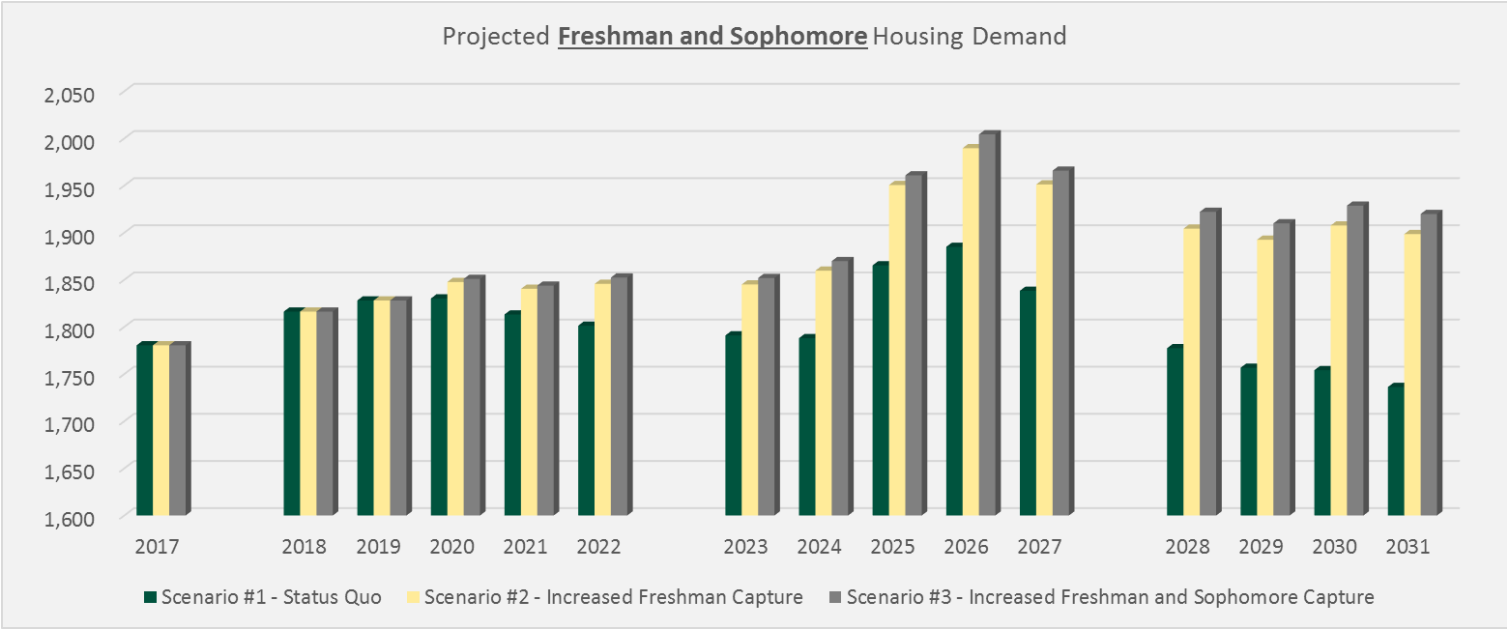


STUDENT HOUSING & AUXILIARIES

Demand
Tracking with
Enrollment
Projection

Matrix
assessment of
concern
indicators:

- 1. Occupancy rates
- 2. Maintenance costs
- 3. Replacement costs
- 4. Facility Condition Assessment



	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Status Quo	1,781	1,816	1,828	1,830	1,813	1,801	1,791	1,788	1,865	1,885	1,838	1,778	1,757	1,754	1,736
Increased Freshman Capture	1,781	1,816	1,828	1,848	1,840	1,846	1,845	1,860	1,951	1,990	1,951	1,904	1,893	1,908	1,899
Increased Freshman and Sophomore Capture	1,781	1,816	1,828	1,851	1,844	1,852	1,852	1,870	1,961	2,004	1,966	1,922	1,910	1,929	1,920



FACILITY CONDITION ASSESSMENT

FUNCTION/SUITABILITY



ARCHITECTURAL



CONDITION GRADE 1:10



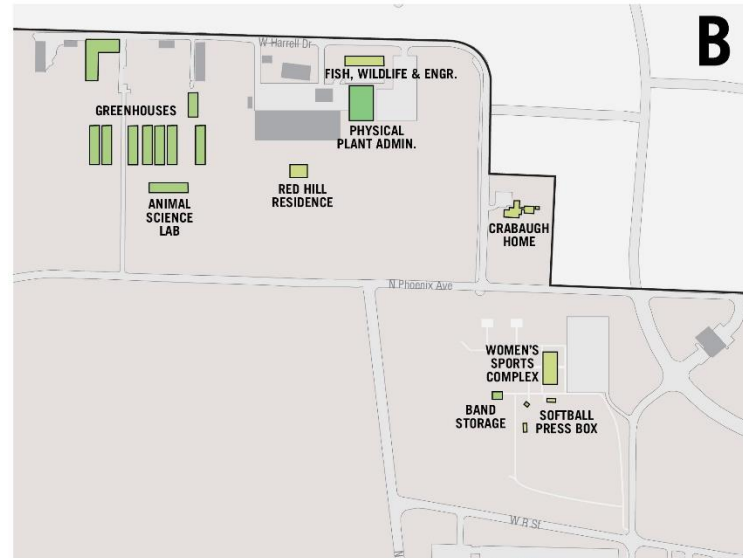
MECHANICAL/ELECTRICAL/PLUMB



FACILITY CONDITION ASSESSMENT

ARCHITECTURAL

MAIN CAMPUS



RENOVATION VERSUS NEW BUILDINGS

Priority	Need / Facility	Potential Options				
		Renovate	Expand	Relocate	Share New	New
A	Engineering - Corley	O			X	X
A	Arts (Music / Performance) - Witherspoon	X			X	X
A	Science Labs - McEver	O			X	X
A	Rec Center - Hull	X	X		X	X
A	Housing	X				X
A	Student Life			X	X	X
B	Arts + Humanities	X		X	X	X
B	Nursing - Dean / Annex	X		X	X	X
B	Agriculture - Dean	X		X	X	X
B	Student Services - Doc Bryan, Rothwell, Brown	X		X		X
B	Auxiliaries	X	X		X	X
B	Campus security					X
C	Business - Rothwell	X	X			
C	Academic Support	X				
C	Athletics	X			X	X

O = Other use
X = Same Use

CAMPUS DESIGN PRINCIPLES

RUSSELLVILLE CAMPUS

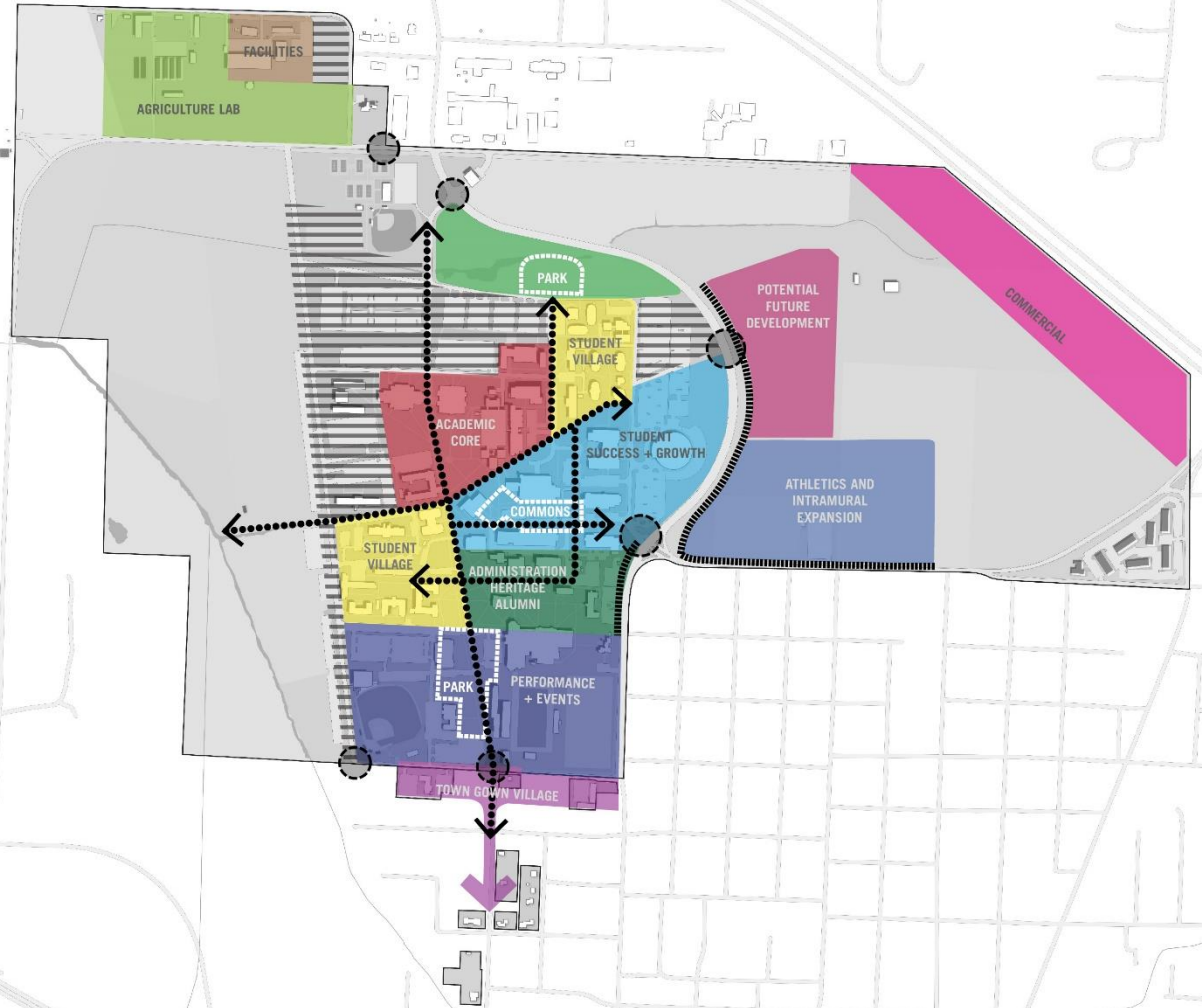
Framework Diagram

Composite of:

Connectivity + Gateways

Collaboration + Active
Spaces

Resiliency + Sustainability



OZARK CAMPUS

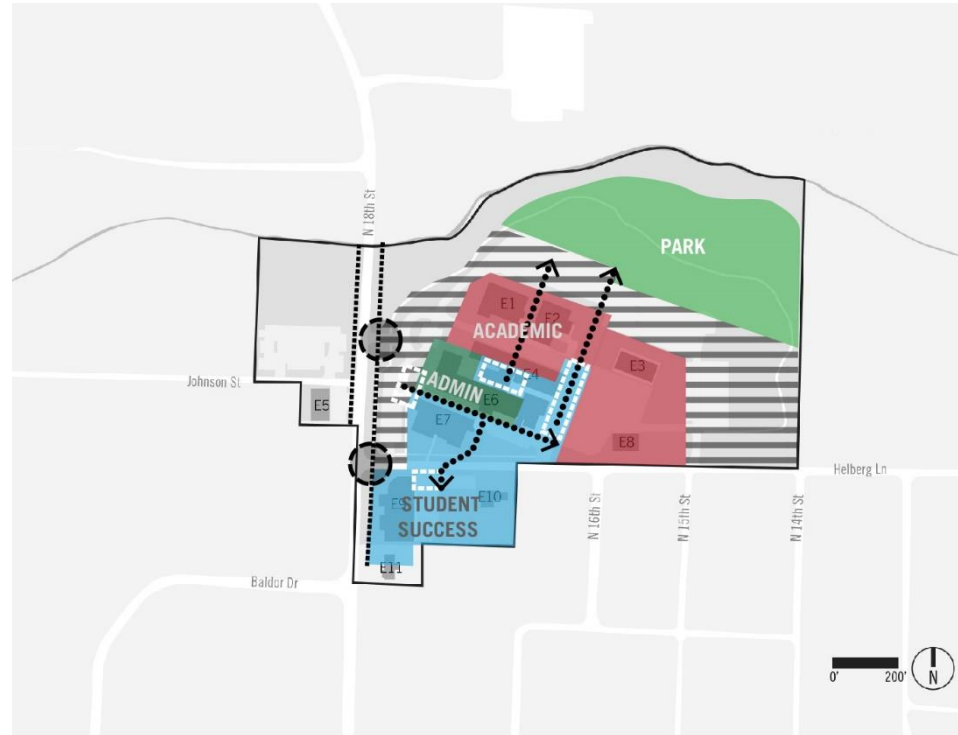
Framework Diagram

Composite of:

Connectivity + Gateways

Collaboration + Active
Spaces

Resiliency + Sustainability



MASTER PLAN RECOMMENDATIONS

PRIORITIZATION DETAILS

Within the prioritizations the master planning team has added considerations of:

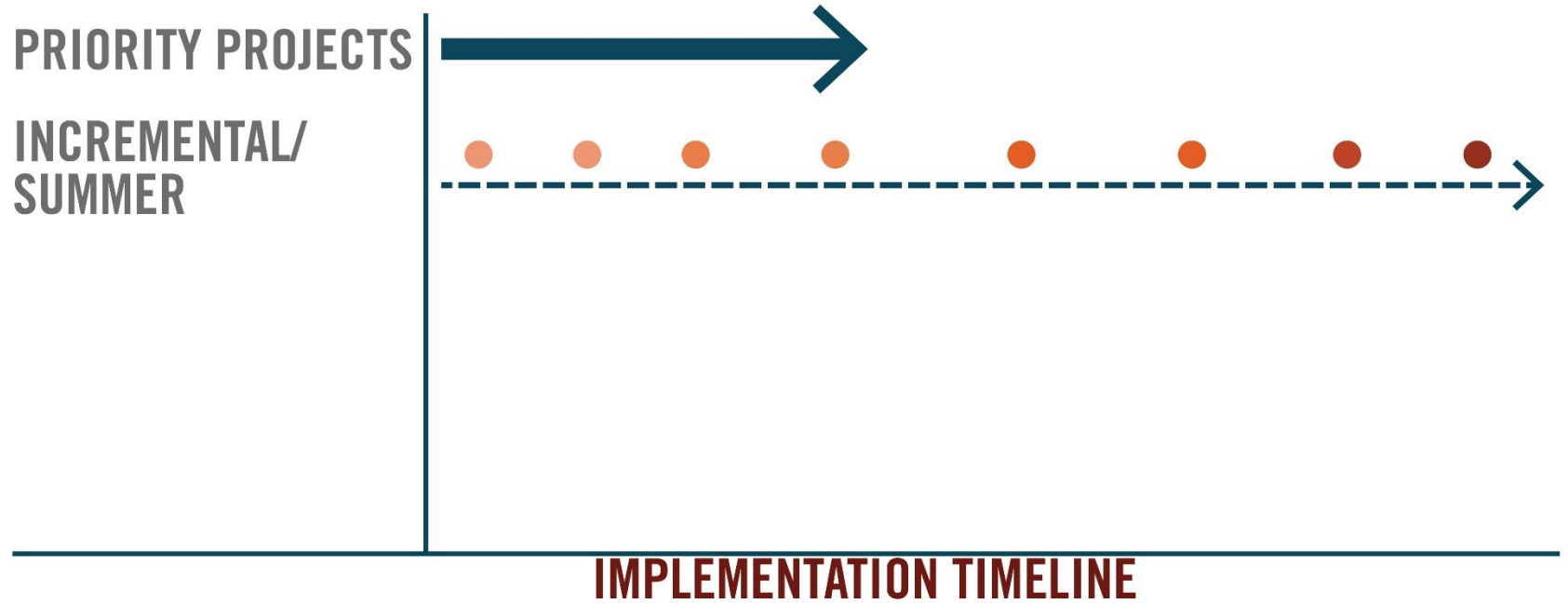
- Advancing Design Principles
 - Gateways, Connectivity, and Mobility
 - Active Spaces, Clustering Uses, and Celebrating Heritage
 - Resiliency, Sustainability, and Emergency Preparedness
- Timeline and phasing requirements
- Project cost/funding sources/project escalation

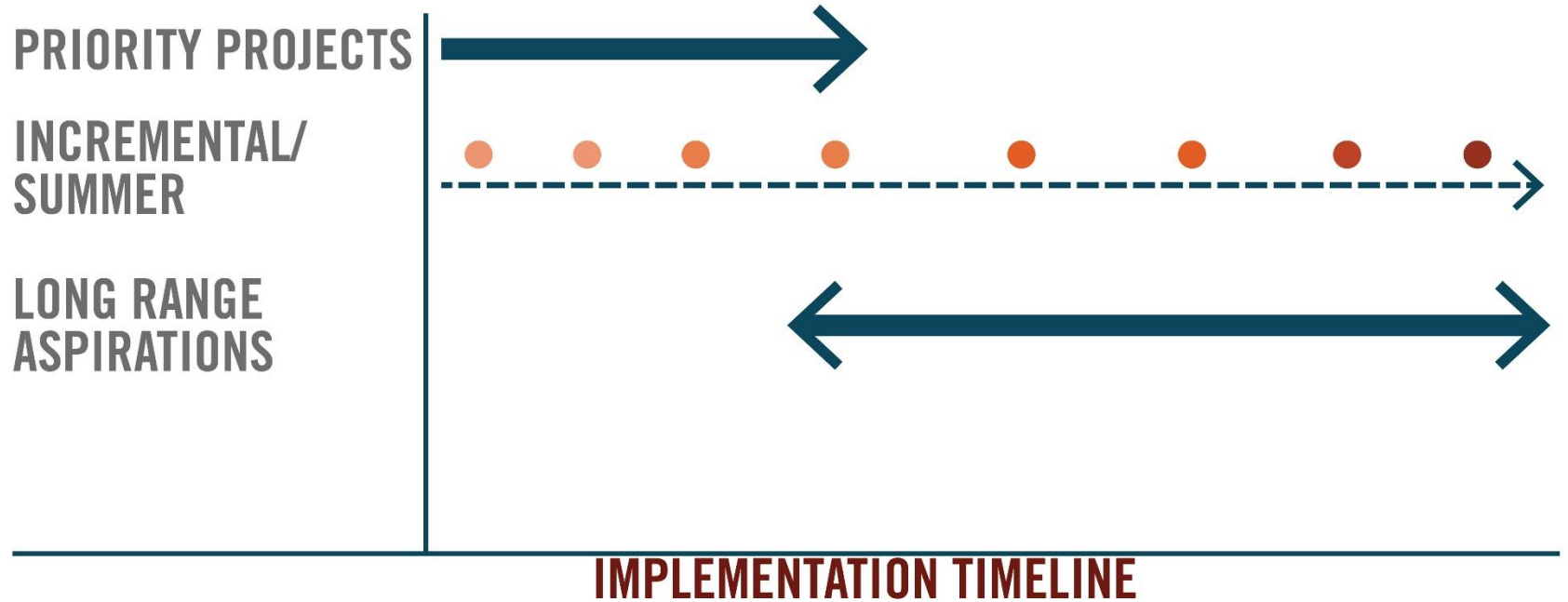
Legislative Higher Education Funding	State and/or Local Funding Partnership	Surplus Revenue (housing, bookstore, and dining)	Operating Budget	Student Service Fees (Potential Referendum)	Housing Revenue	Donor Funding	Grant Funding	Public/Private Partnership (P3)
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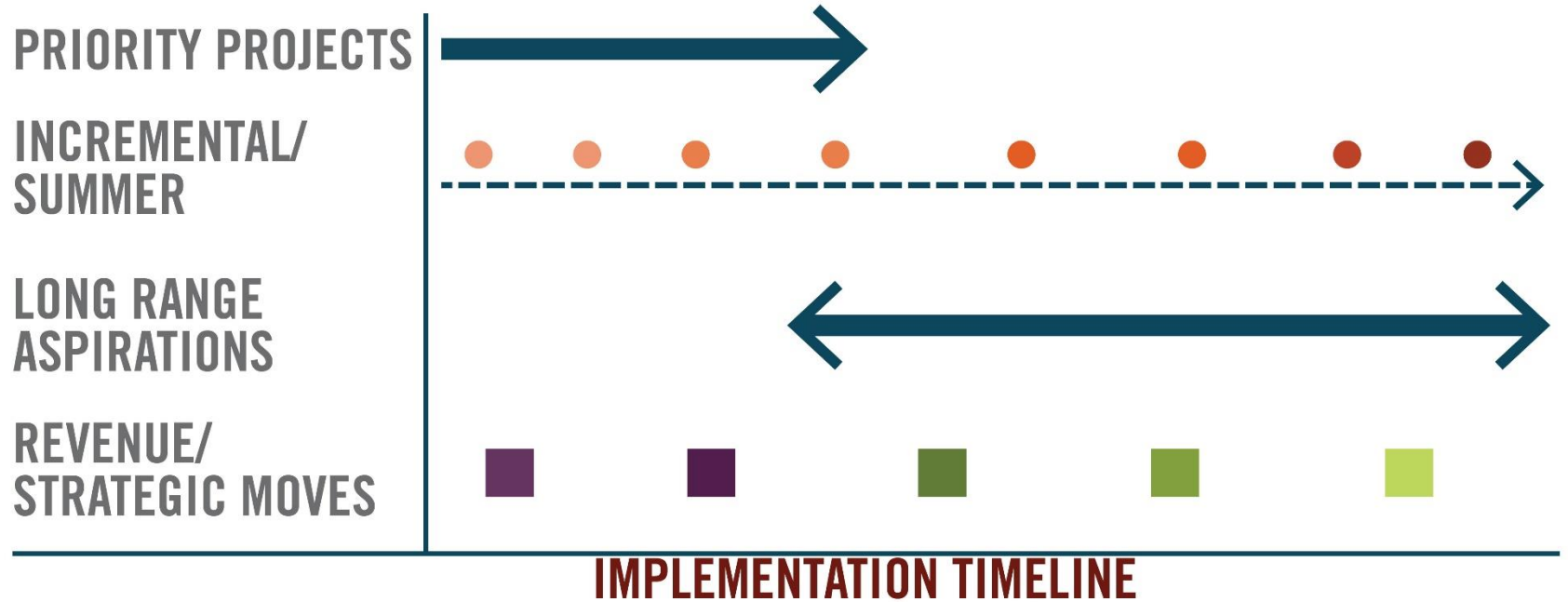
PRIORITY PROJECTS



IMPLEMENTATION TIMELINE







MASTER PLAN OVERVIEW



EXISTING



STUDENT HALL

STEM 1

NEW ENTRANCE

STUDENT UNION/REC

PERFORMING ARTS

PRIORITY PROJECTS

EL PASO HOUSING



STEM 2

FUTURE ACADEMIC

FUTURE ATHLETIC

ADMIN BUILDING

FUTURE ACADEMIC

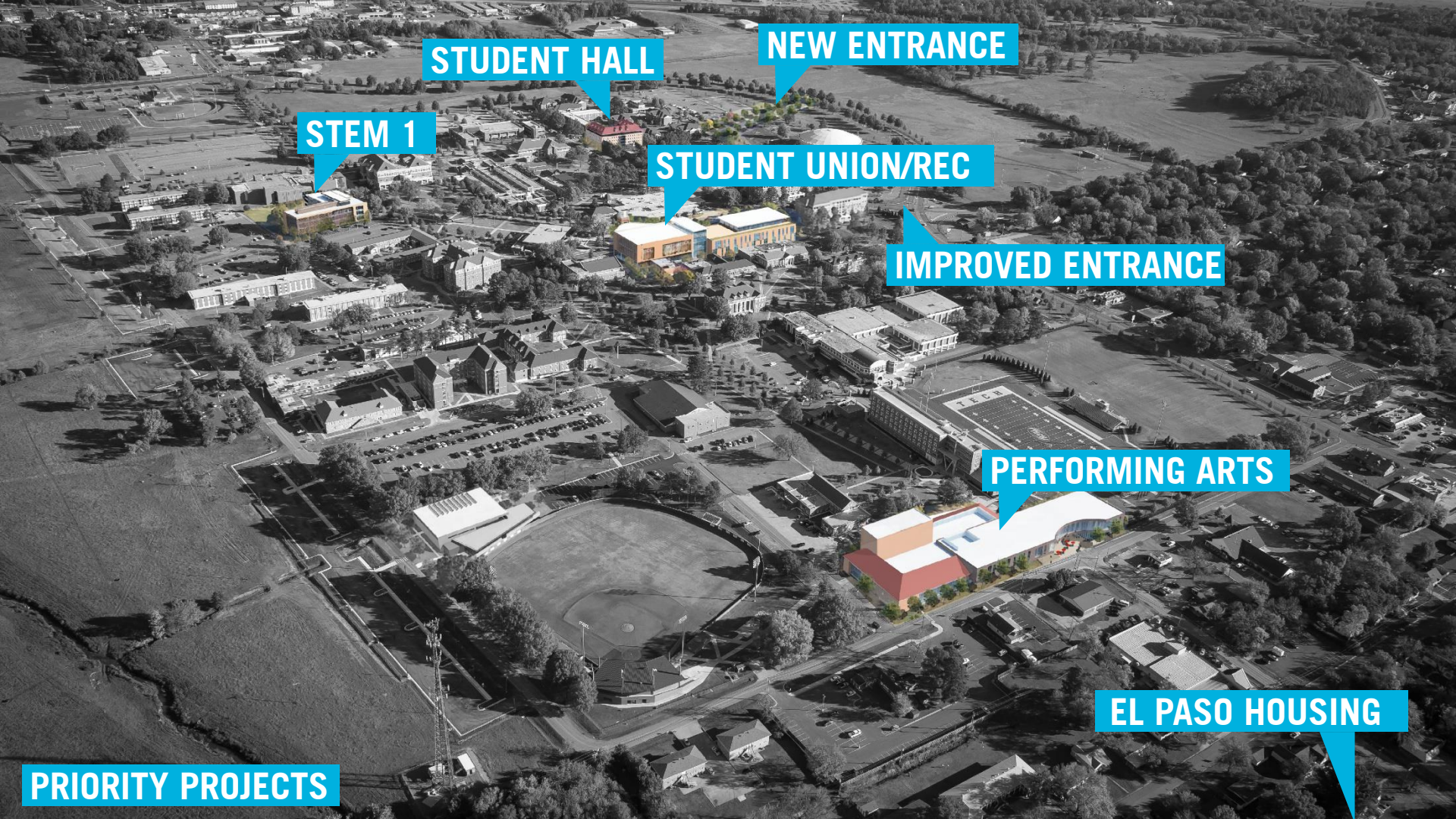
PEDESTRIAN ST.

GREEK HOUSING

LONG TERM ASPIRATIONS



EXISTING CAMPUS



STUDENT HALL

NEW ENTRANCE

STEM 1

STUDENT UNION/REC

IMPROVED ENTRANCE

PERFORMING ARTS

EL PASO HOUSING

PRIORITY PROJECTS



STEM 2

FUTURE ACADEMIC

ADMIN BUILDING

FUTURE ACADEMIC

STUDENT HALLS

PEDESTRIAN ST.

PERFORMING ARTS

GREEK HOUSING

LONG TERM ASPIRATIONS



EXISTING

UNION / REC

PERFORMING ARTS

STUDENT HALLS

FUTURE ACADEMIC

PEDESTRIAN ST.

FUTURE ACADEMIC

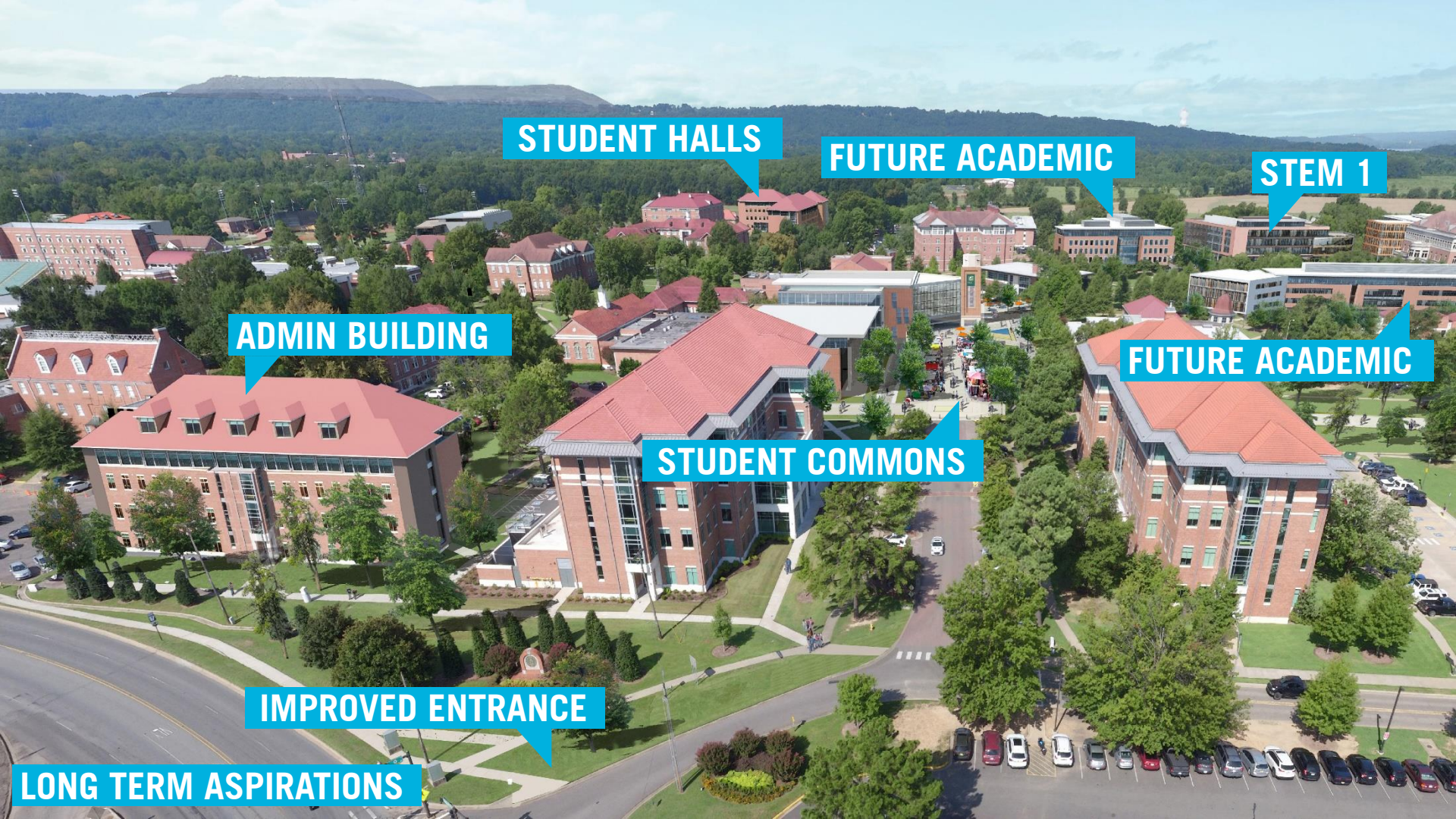
STEM 1

LONG TERM ASPIRATIONS





EXISTING



STUDENT HALLS

FUTURE ACADEMIC

STEM 1

ADMIN BUILDING

FUTURE ACADEMIC

STUDENT COMMONS

IMPROVED ENTRANCE

LONG TERM ASPIRATIONS



EXISTING



EXPANSION POTENTIAL

ACADEMIC/CONFERENCE

NEW PARKING

NEW PARKING

DEMOLISH SHOP

PRIORITY PROJECTS



ACADEMIC BUILDINGS

An aerial photograph of a school campus. The image shows several large, modern academic buildings with flat roofs and large windows. There are also older, smaller buildings. The campus is surrounded by green fields, trees, and parking lots. A road runs along the bottom of the image. The text labels are in blue speech bubbles pointing to specific areas of the campus.

LANDSCAPE PATHS

LONG TERM BUILDINGS

OUTDOOR SPACE

NEW SIGNAGE

LONG TERM ASPIRATIONS

LAKE POINT CAMPUS

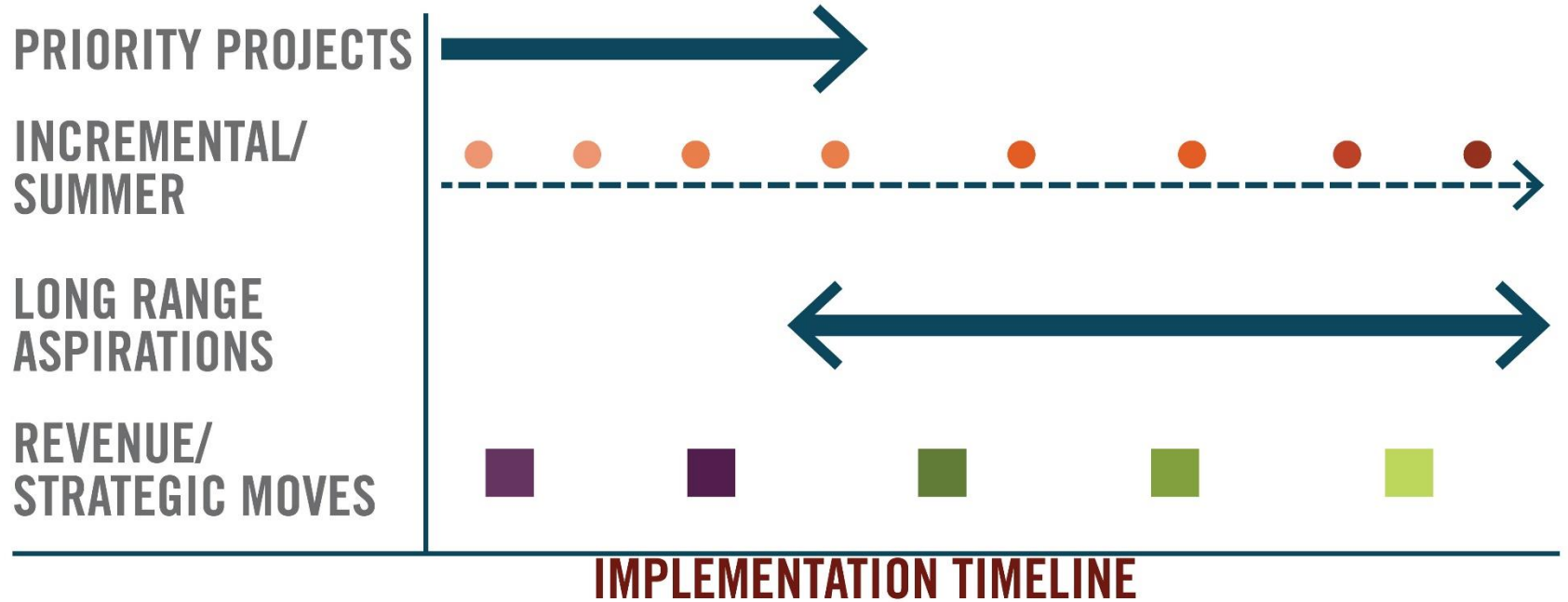
Partnerships

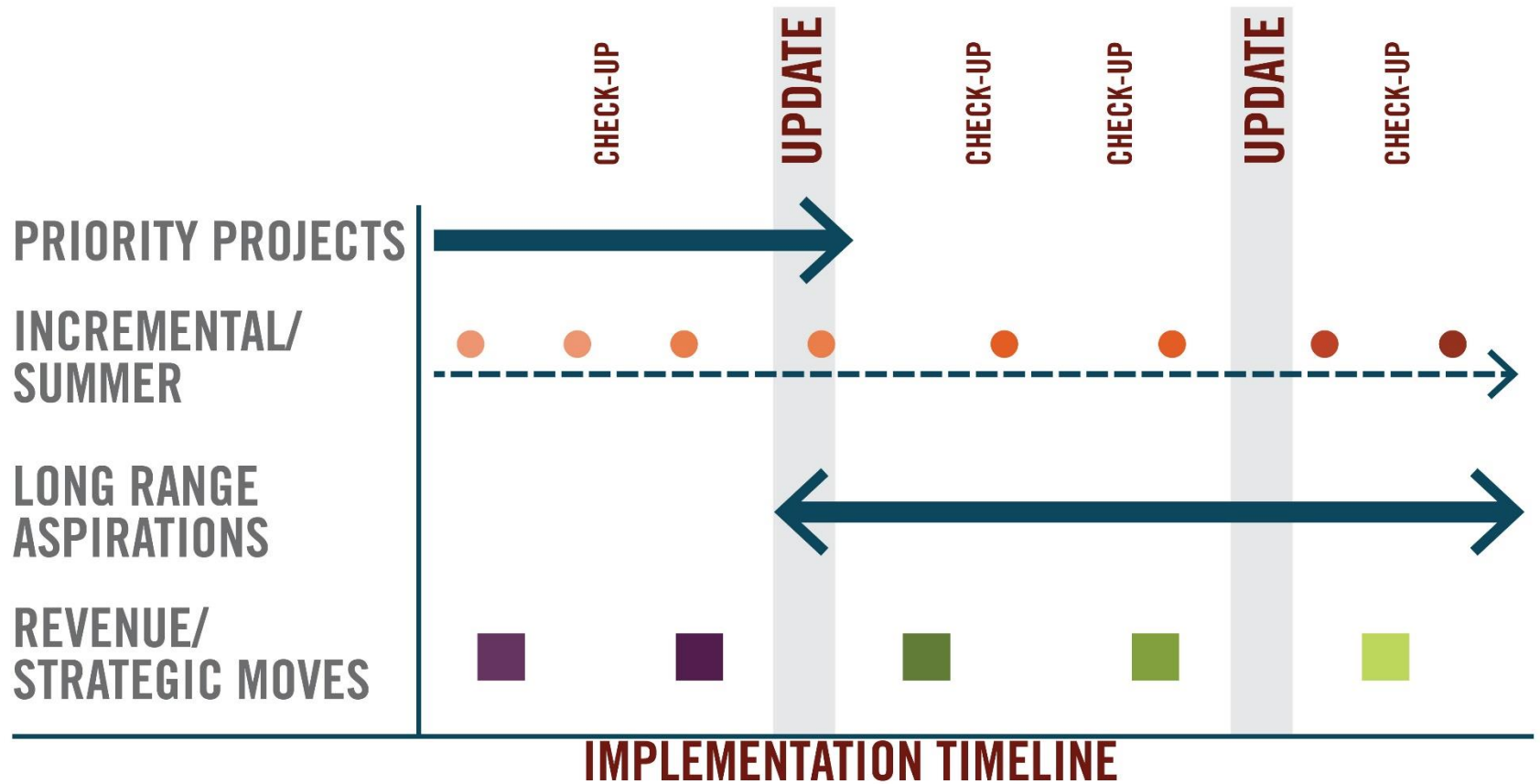
- Lake Point Partnership. Maintain facility currently as near term student dorm swing space. Issue Request for Letters of Interest to hospitality industry as events venue.



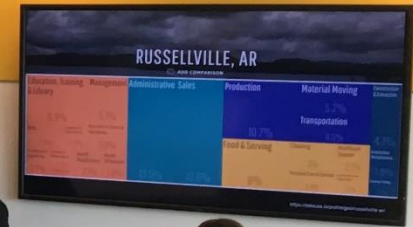
Lake Point Events Spaces

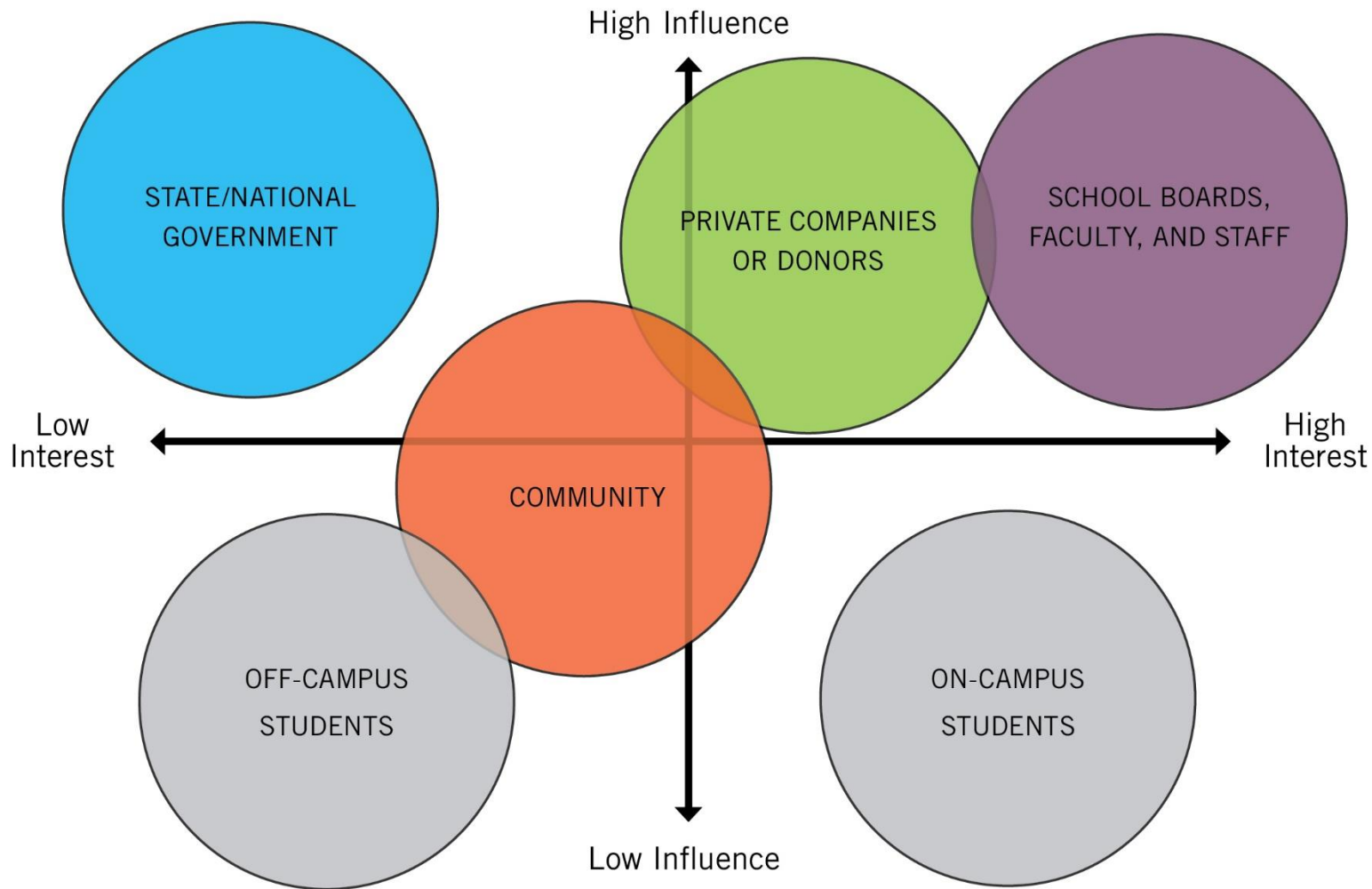
ONGOING ENGAGEMENT + MONITORING

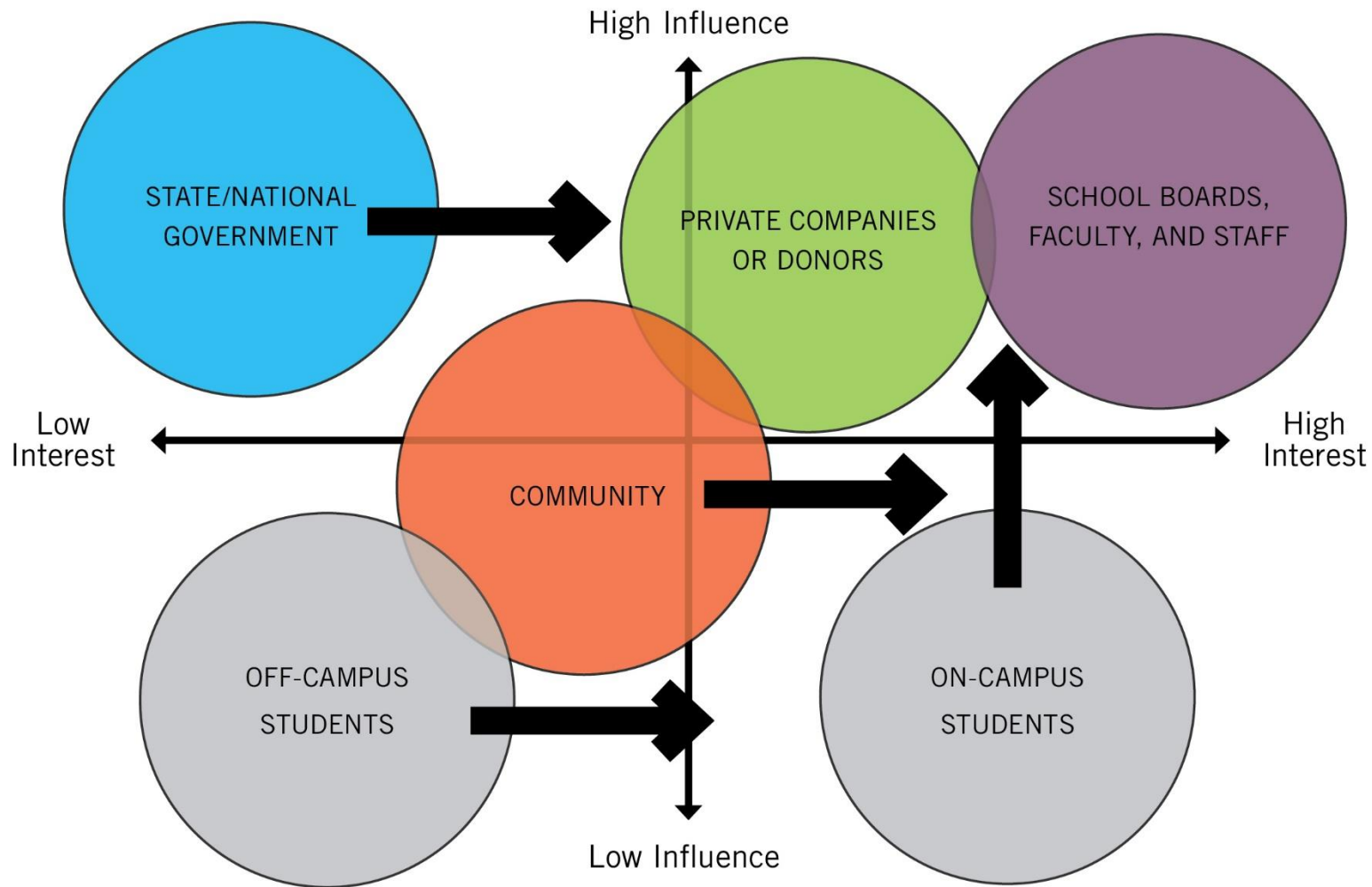




RESILIENCY + SUSTAINABILITY TASK FORCE







CONTINUED OUTREACH



aashe
The Association for the Advancement
of Sustainability in Higher Education



**Society for College
and University Planning**

The resiliency identification process formed by the Rockefeller Foundation has been adapted by Perkins + Will to create a three workshop sequence arranged around university planning needs. The process begins with a need to identify and understand the projected changes in economic development, demographics, and climate for the project region and site location.

Educational Training & Library	Management	Administration	Labor	Production	Maintenance-Repair	Transportation
8.9%	5.1%			10.7%	5.2%	4.1%
7.6%	1.1%	3.2%		Fast Service	Shoring	Production Support
1.8%	1.8%			8%	3%	2.1%
1.9%	2.1%	1.8%	13.5%	12.6%	2.4%	1.3%

The map illustrates the Long Range Plan for the Arkansas Tech University system. It features three main campus locations: Ozark, Lake Point, and Russellville. The Ozark campus is shown in the top left, the Lake Point campus in the bottom left, and the Russellville campus in the top right. A yellow line connects the Ozark and Lake Point campuses, and a blue line connects the Lake Point and Russellville campuses. The map also includes a legend for the Long Range Plan, with labels for 'OZARK LONG RANGE PLAN', 'LAKE POINT CONFERENCE CENTER', and 'RUSSELLVILLE LONG RANGE PLAN'.

The Sustainability + Resiliency Task Force's role is to coordinate with identified Stakeholders and to provide input into future projects to consider their potential contribution to resiliency on campus.

ATU Leadership

Sustainability and Resiliency Task Force

ATU Faculty, Staff, and Students collaboration sessions

External Partners: City of Russellville, City of Ozark, State Highways Department, Corps of Engineers

The Sustainability + Resiliency Task Force is comprised of:

- Emergency management staff
- Environmental design students
- Campus police
- Information technology staff
- Sustainability student groups

Specialist Consultants

SHOCKS + STRESSORS

- Stormwater Management
- Limited Transportation
- Infrastructure Failure
- Drought
- Civil Unrest
- Storm Preparedness

[illegible]

	RISKS	SOCIAL	ECONOMIC	ENVIRONMENT
<p>What are its vulnerabilities as a result of the social, environmental, and economic projections?</p> <p>The S.E.E. major groups shocks and stresses and the most likely and severe consequences issues into a deeper level of analysis. Outcomes should identify vulnerabilities to design solutions in the master plan.</p>	<p>Storm Water Management</p> <p>Limited Transportation</p> <p>Infrastructure Failure</p>	<p>Perception vs. reality: Vulnerable living of classes; Insurance claims</p> <p>Educational/cultural; mobility choices; Way-finding</p> <p>Loss of well-loved spaces; impacts; roads, recreation, and off-line facilities</p>	<p>Cost of implementation; Cost of maintenance; Parking impacts</p> <p>Affordability; lack of alternatives/choices; cost of infrastructure</p> <p>Old infrastructure is costly to maintain; economic cost of off-line facilities</p>	<p>Water quality; Erosion; Habitat disruption;</p> <p>Affordability; lack of alternatives/choices; cost of infrastructure</p> <p>Contamination from hazardous materials; Not energy efficient</p>

Who is involved and how are they impacted?

User groups with a potential interest or influence on the master plan projects are identified and methods of increasing engagement proposed.

The third workshop also identifies gaps in the engagement workshops where additional stakeholders could be included, such as donors, or state entities.

Figure 1 is a project timeline for the 2016-2017 season. The timeline is divided into five phases: 1. INITIATE, 2. DISCOVER, 3. BIG IDEAS, 4. DEVELOP, and 5. REFINEMENT. The timeline starts in January 2016 and ends in October 2016. Key events include the start of the season in January 2016, the start of the first season in February 2016, the start of the second season in March 2016, the start of the third season in April 2016, the start of the fourth season in May 2016, and the start of the fifth season in June 2016. The timeline ends in October 2016.

How does your design solution address site vulnerabilities?

Design principles to guide the long term campus master plan included three interconnected areas that form an overall framework for the campus. Sustainability + resiliency was divided into three key areas that combine to enable resiliency in the master plan.

COLLABORATION & ACTIVATION OF SPACES

SUSTAINABILITY & RESILIENCY

PROTECT → Shore Water Management

ORGANIZE → Accessible Routes

NETWORK → Utilities and Systems

GATEWAYS & MOVEMENT

connecting previously unincorporated city, university, highways agency, and Corps of Engineer controlled areas.

Map of the proposed flood control project area in the City of Houston, Texas. The map shows the Houston Ship Channel, Houston Bayou, and the proposed flood control project area. Key features include the Houston Ship Channel, Houston Bayou, and the proposed flood control project area. The map also shows the Houston Ship Channel, Houston Bayou, and the proposed flood control project area. The map includes a legend for 'Proposed Flood Control Project Area' and 'Houston Ship Channel'.

Adding ADA accessible routes to complete a campus network combining with strategic evacuation routes and ingress and egress locations.

- Stairways: Providing ADA-compliant stairways with handrails, non-slip surfaces, and clear width.
- Self-Organization: Empowering the community to identify and address accessibility issues.
- BIOSWALE PREVENTS PATH FLOODING

BIODIVERSITY ACCESS AS A PRIORITY

[illegible]



Project Priorities (P) and Long Term Projects (L) Incremental Project (I)								Summer (S) and Incremental (I) Priorities		Summer (S), Revenue (R), energy (E)related projects	
Life Safety + Facilities	REF.	Advancing Academic Mission	REF.	Mission Support	REF.	Improving Academic Quality	REF.	Campus Quality + Operation	REF.	Strategic	REF.
Stroupe Demolition	P1	Brown Academic Utilization	P4	Student Union + Rec Combined	P8	McEver Refurb as temporary Classroom for swing space	L10	Comprehensive signage refresh	S1	Selling South Housing	R
McEver Short Term Maintenance (fume hoods)	P2	STEM 1 (inc. Engineering labs, Ag. labs. and Skilled Trades labs)	P5	New Housing El Paso (P3)	P9	Witherspoon Demolition	L11	VOIP Complete, Standardize Room Controls + BYOD + Wireless Access	I5	Selling East Gate	R
O street and Campus Entrance	P3	Performing Arts Center	P6	Police Facility on El Paso	P10	Corley Renovation	L12	Ozark Admin, Library + Café Expansion	S2	Potential Alternative Energy Field	E
Panic Device Network	I1	Purchase/lease additional farm land	P7	New Housing (Roush Site)	P11	Ozark Academic Building	L13	Intramural expansion	S3	Innovation Center Partnership Downtown	S12
Emergency Phone Network	I2			Ozark Academic/Conference	P12	Soccer, track and field	L14	El Paso Street Pedestrianizaton	S4	Lighting Retrofit (PSI)	E
Building Card Access	I3			Ozark Demolish Workshop Building	P13	Coliseum HVAC Upgrade (PSI)	L15	Boulder Ave Pedestrian Priority	S5	Controls optimization (PSI)	E
				Administration Building @ Gateway	L1	Hull HVAC Upgrade (PSI)	L16	Library Pedestrian Prioritization	S6	Lease of Reasoner Lane Land for Commercial Use	R
				Demolish Stadium Suites	L2	STEM 2	L17	Heritage Quad landscape	S7	Lake Point Partnership	R
				Demolish Critz	L3	Dean Hall Demolition	L18	Hull Lawn	S8	Long term future expansion into east campus	
				Demolish Tucker	L4	McEver Replacement Academic Building	L19	Ozark Helberg Lane and Landscape Improvements	S9		
				Student Housing Jones (possible combine with Roush if P3 deal is used)	L5	Dean Hall Replacement Building	L20	Redundant Feed to Russellville	I6		
				Ozark Redundant Internet	I4	Ozark Academic Building	L21	Complete Fiber Ring	I7		
				Upgrade Building Backbones	L6			Alternative alert method	I8		
				Upgrade to ARE-On Specifications	L7			Energy Center Renovation	S10		
				New Greek Housing (P3)	L8			Creek Park	S11		
				Caraway Conversion to Offices	L9						