



Missouri University of Science and Technology

2020 Campus Master Plan

Community Open Forum

September 18, 2020

Welcome

Purpose of the Master Plan

1. A living document used as a means of making visionary, yet practical and cost-effective decisions on physical changes to campus.
2. A document that reflects a roadmap for the University and Community to demonstrate what this region can become and means of getting there.

Process

Discovery

Envision & Test

Synthesize

Adv Planning

Oct 2019

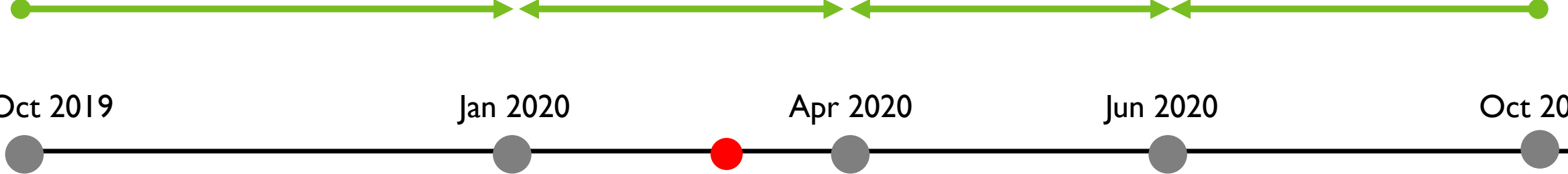
Jan 2020

Apr 2020

Jun 2020

Oct 2020

COVID 19



Chancellor's Strategic Priorities

1. Recruitment and Retention (Ranking)
2. Research, Innovation and Entrepreneurial Thinking
3. Regional Economic Development

Chancellor's Enrollment Goal

6,462 Undergraduate
1,634* Graduate
8,096 Total



8,000 (24% growth)
4,000 (145% growth)
12,000 (48% growth)

*Note, in 2019 43% of Graduate Students were extended learning (off-site)

Key Drivers

Program Drivers

- Space Utilization Analysis
- Space Needs Assessment
- Campus Life Survey and Demand Analysis

Physical Drivers

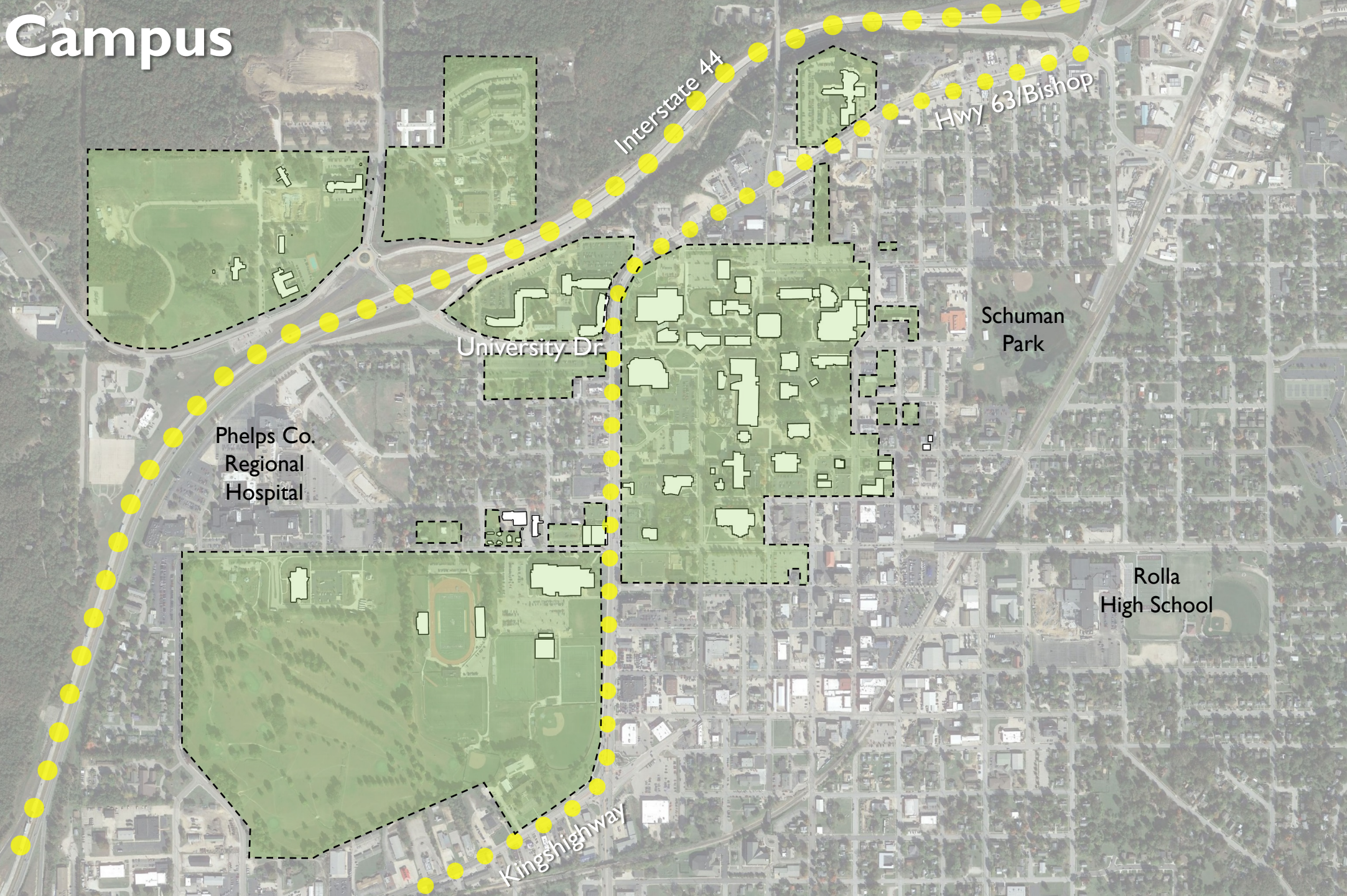
- Facility Condition
- Access, Connectivity and Wayfinding
- Infrastructure
- Site/Topography and Land Use



Planning Principles

1. Improve Campus Experience for All
2. Improve Existing Space
3. Improve Campus Connectivity and Safety
4. Create Space for Strategic Partnerships

Existing Campus



Interstate 44

Hwy 63/Bishop

University Dr

Phelps Co.
Regional
Hospital

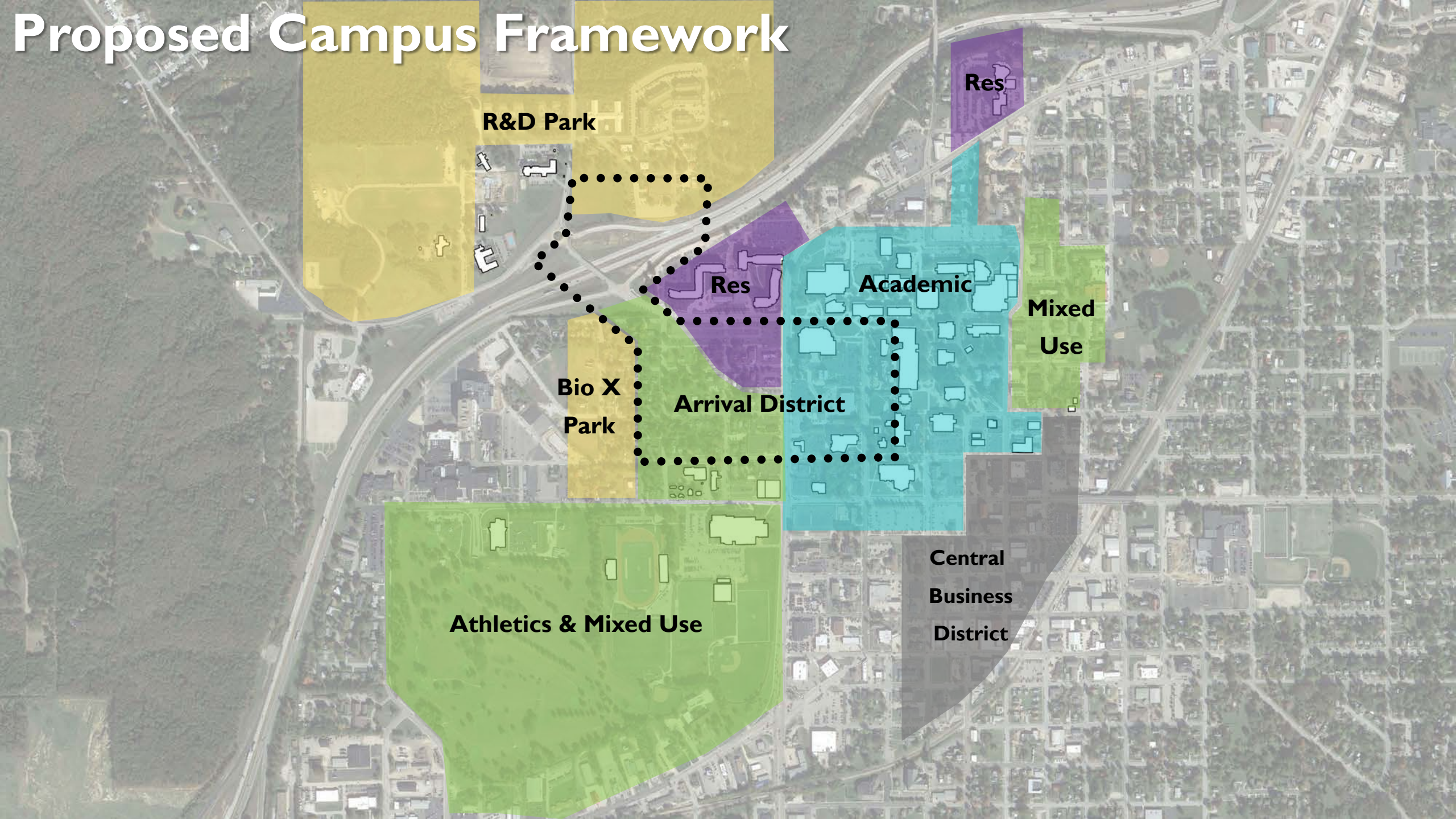
Schuman
Park

Rolla
High School

Kingshighway



Proposed Campus Framework



R&D Park

Res

Res

Academic

**Mixed
Use**

**Bio X
Park**

Arrival District

Athletics & Mixed Use





**Central
Business
District**

2020 Campus Master Plan

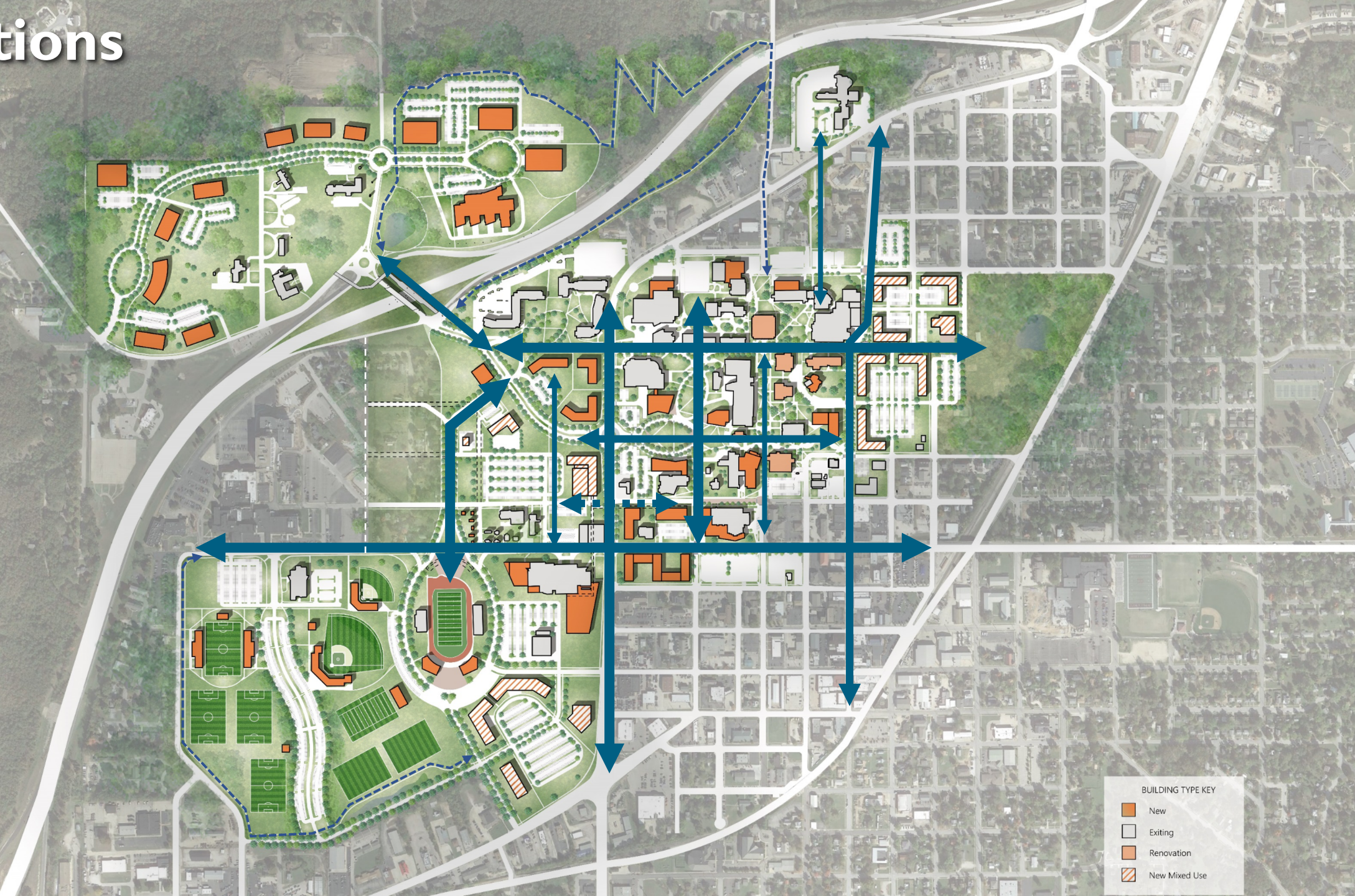
- ## Major Themes
- Arrival
 - Connections
 - Partnerships







BUILDING TYPE KEY

	New
	Existing
	Renovation
	New Mixed Use

Connections







BUILDING TYPE KEY

-  New
-  Existing
-  Renovation
-  New Mixed Use

Arrival District



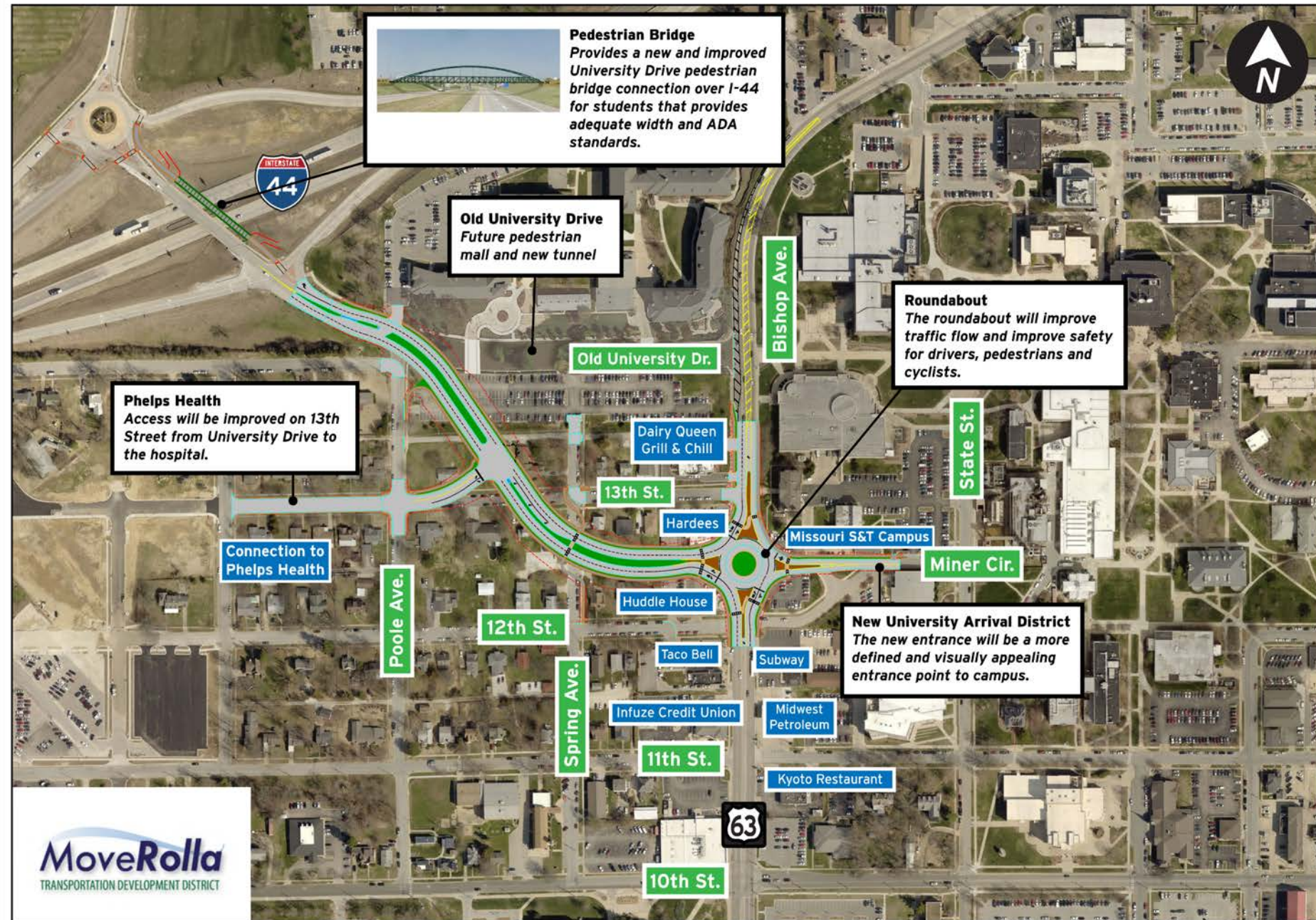
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Relocated University Drive and Roundabout

Partnership with Move Rolla TDD

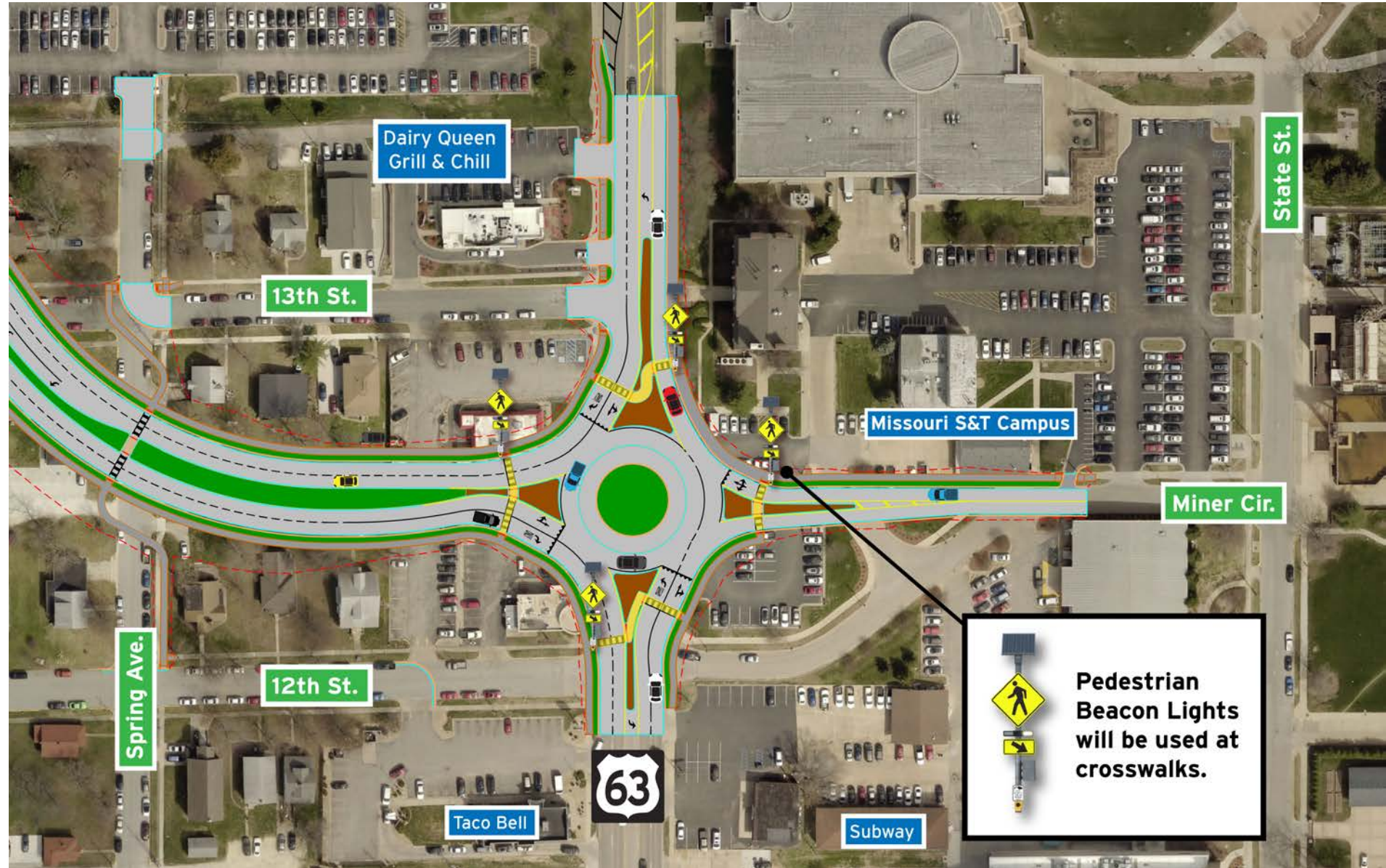
- Alignment supports University and Phelps Health vision for direct access from I-44
- Provides safe and convenient corridor
- Promotes economic opportunities
- Visual enhancements to the area while providing a distinct entrance to Rolla community
- Improves pedestrian crossing of US 63 by calming traffic and coordinating crosswalks
- Allows current University Drive to be converted to pedestrian use with a new and expanded tunnel providing convenient access to campus



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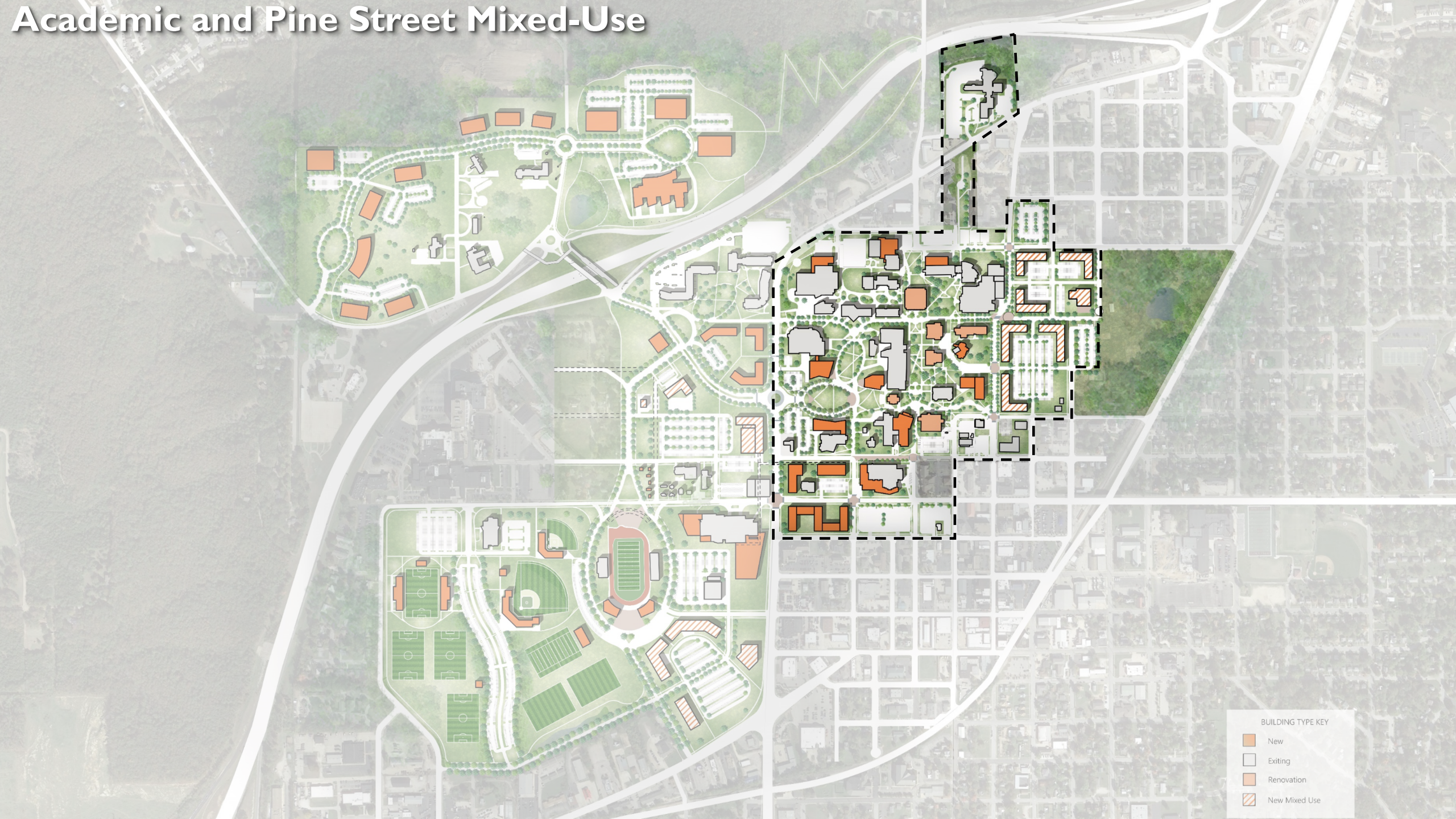












Academic and Pine Street Mixed-Use



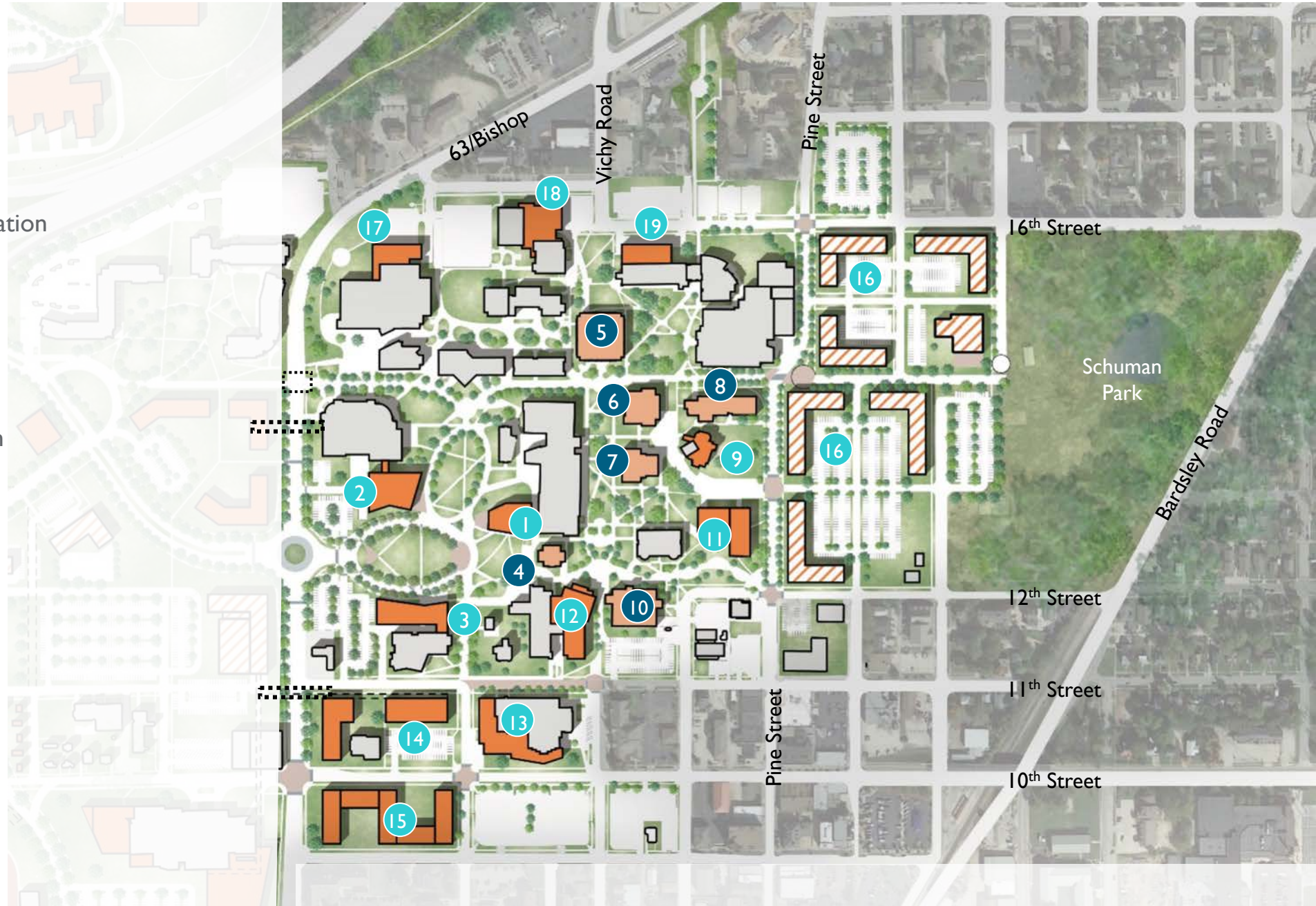
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Academic and Pine St. Mixed-Use

Master Plan Building Projects

1. Welcome Center
2. Student Experience Center
3. Future Building
4. Rolla Hall Renovation
5. Curtis Laws Wilson Library Renovation
6. Fulton Hall and Physics Renovation
7. Parker Hall Renovation
8. Physics Renovation
9. Nuclear Building Addition
10. Centennial Hall Renovation
11. IDE Replacement Building
12. Schrenk Hall Ph 3 Reno or Addition
13. Castleman Hall Addition
14. Future Academic Building(s)
15. Future Student Housing
16. Mixed Use Development
17. McNutt Hall Addition
18. Straumanis-James/ERL Addition
19. Emerson Hall Addition



Pine Street Mixed-Use

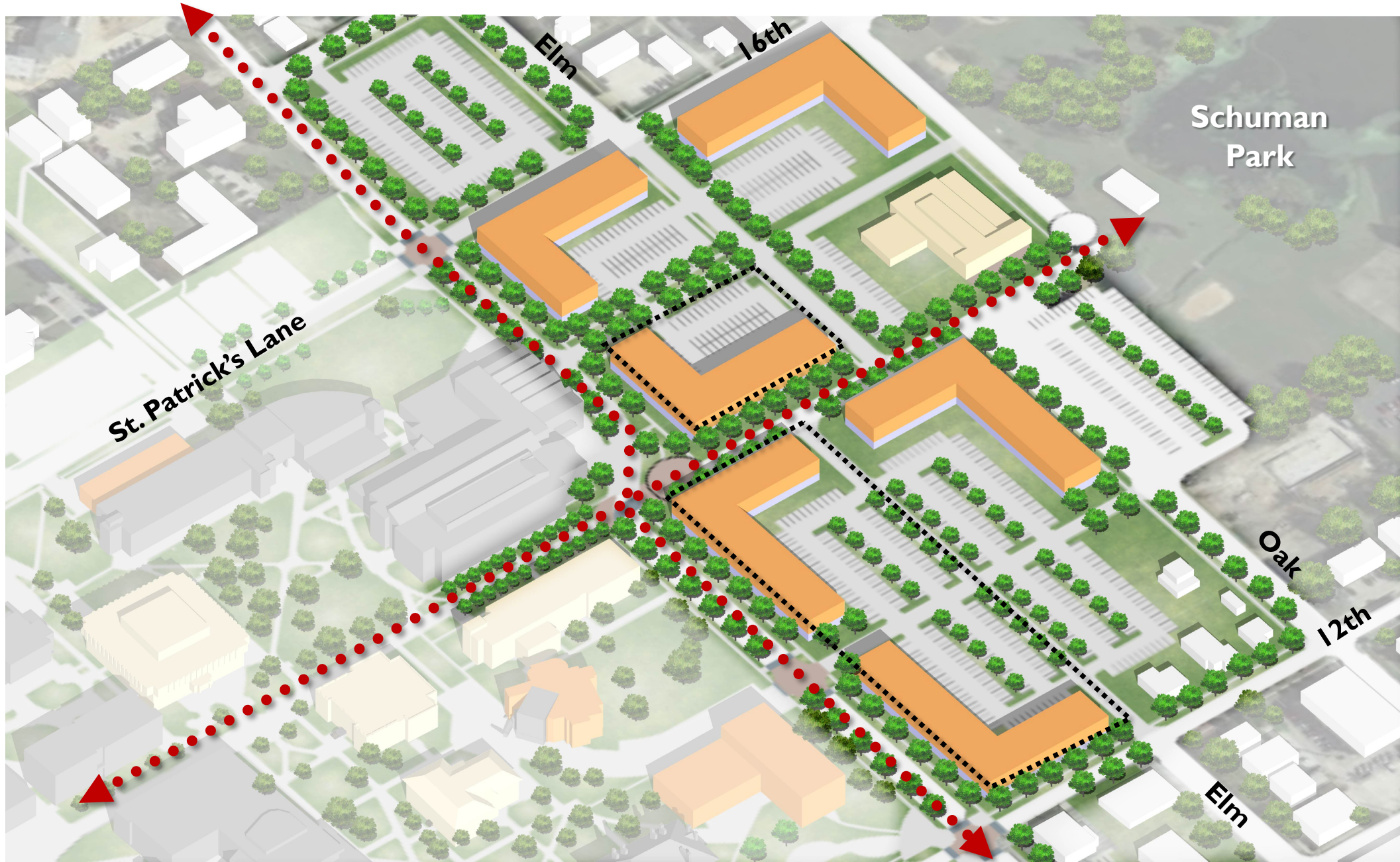
Potential Ground Floor Uses:

Retail
Restaurant
Commercial Office

S&T Offices
Graduate Student Offices
Health Services
Housing and Dining
Offices

Potential Residential Uses:

Upper Division
Graduate
International
Married







Athletics and Recreation District



Bio X
Park

BUILDING TYPE KEY

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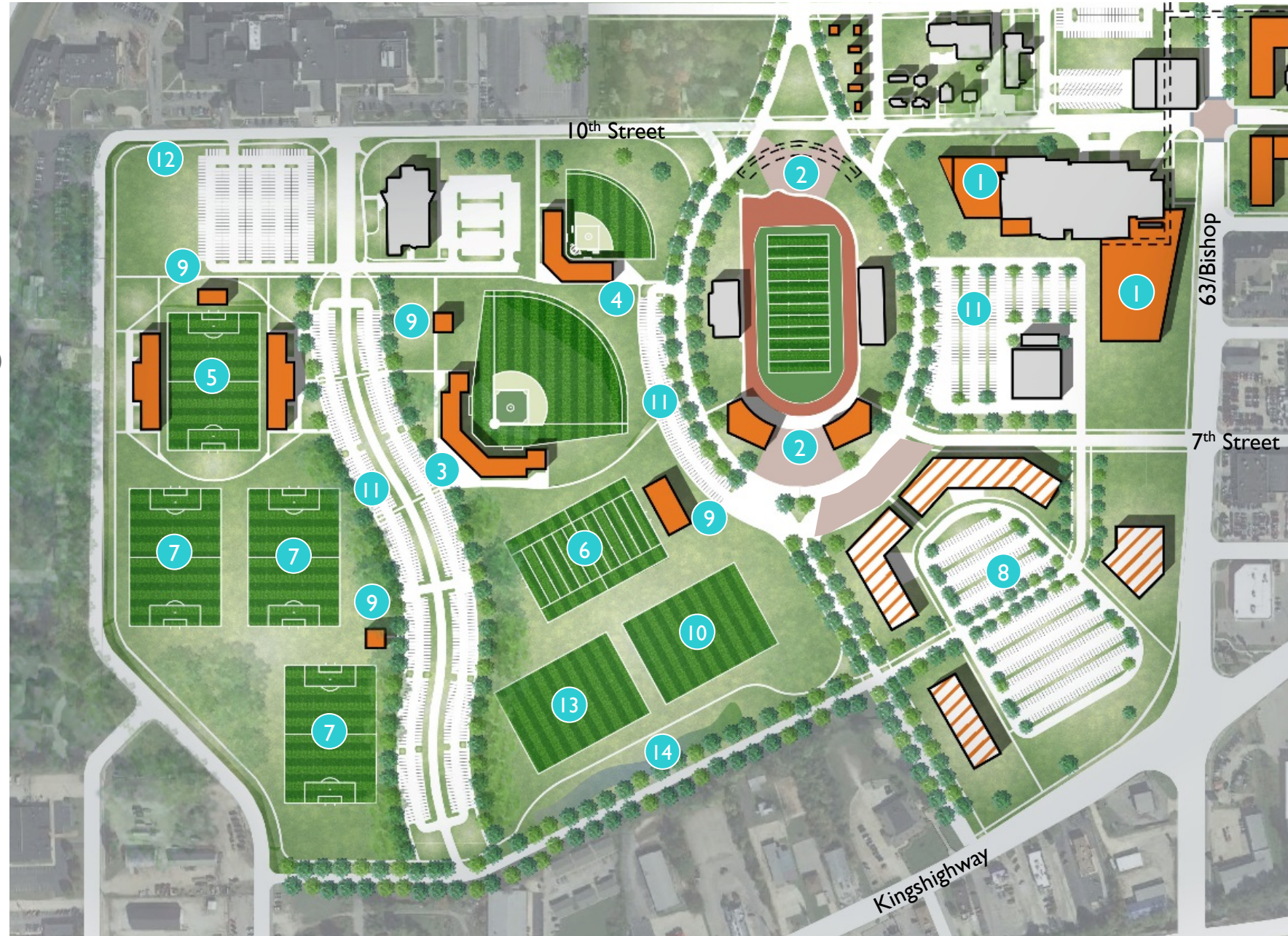
Athletics and Recreation District

Master Plan Projects

1. Eight Lane Stretch Pool, (2) Multi Athletic Courts and Rec Cross Training
2. Football Lockers and North Gateway and Plaza new press box, restrooms & elevator, South Plaza
3. New Baseball Stadium
4. New Softball Stadium
5. New Soccer Stadium (Grass)
6. New Field Events Field/Multipurpose (Grass)
7. Intramural & Club Fields (both Turf)
8. Mixed-Use Development
9. Support Facility
10. Heavy Throws Field (Grass)
11. Surface Parking
12. One Mile Walk-Run Path
13. Intramural & Band Practice (Turf)
14. Stormwater Management Zone

Enabling Projects





- Relocate Solar Homes
- Rock Mechanics Building Replacement
- Demo Rock Mechanics/Explosives Building
- Student Health Center Replacement



Research and Development Park

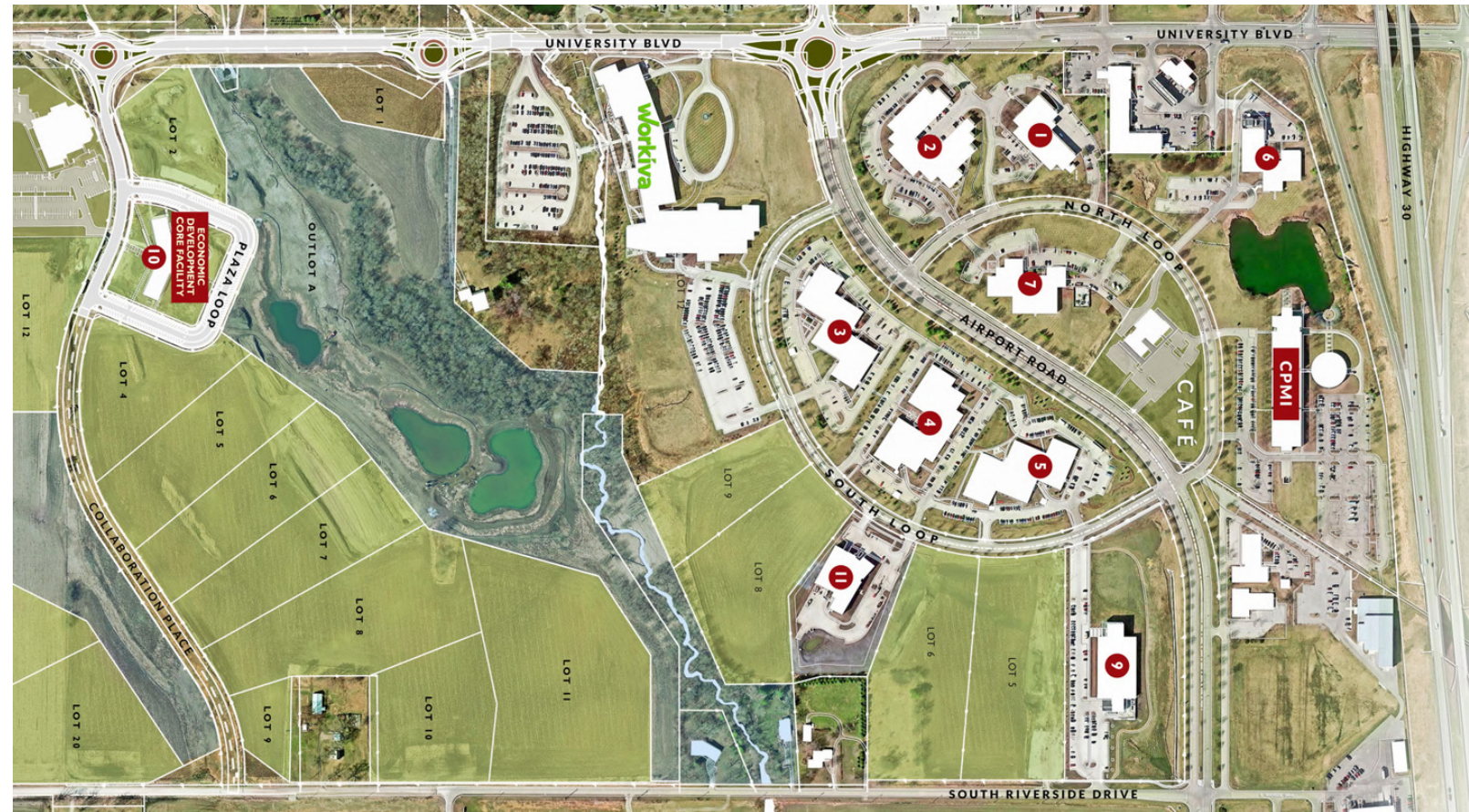


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Precedent – Iowa State University Research Park

- 400 Acres/16 buildings/800,000 SF
- City of Ames' largest commercial tax contributor
- Iowa's last four IPOs were ISURP companies
- 2,000 employees, projected to double in 2025
- Average Salary \$68,000
- 300 student interns employed at any given time
- In only two years, its Incubator ISU Startup Factory has launched 45 startups, creating 70 jobs and \$20M in external funding.



Research and Development Park

Master Plan Projects

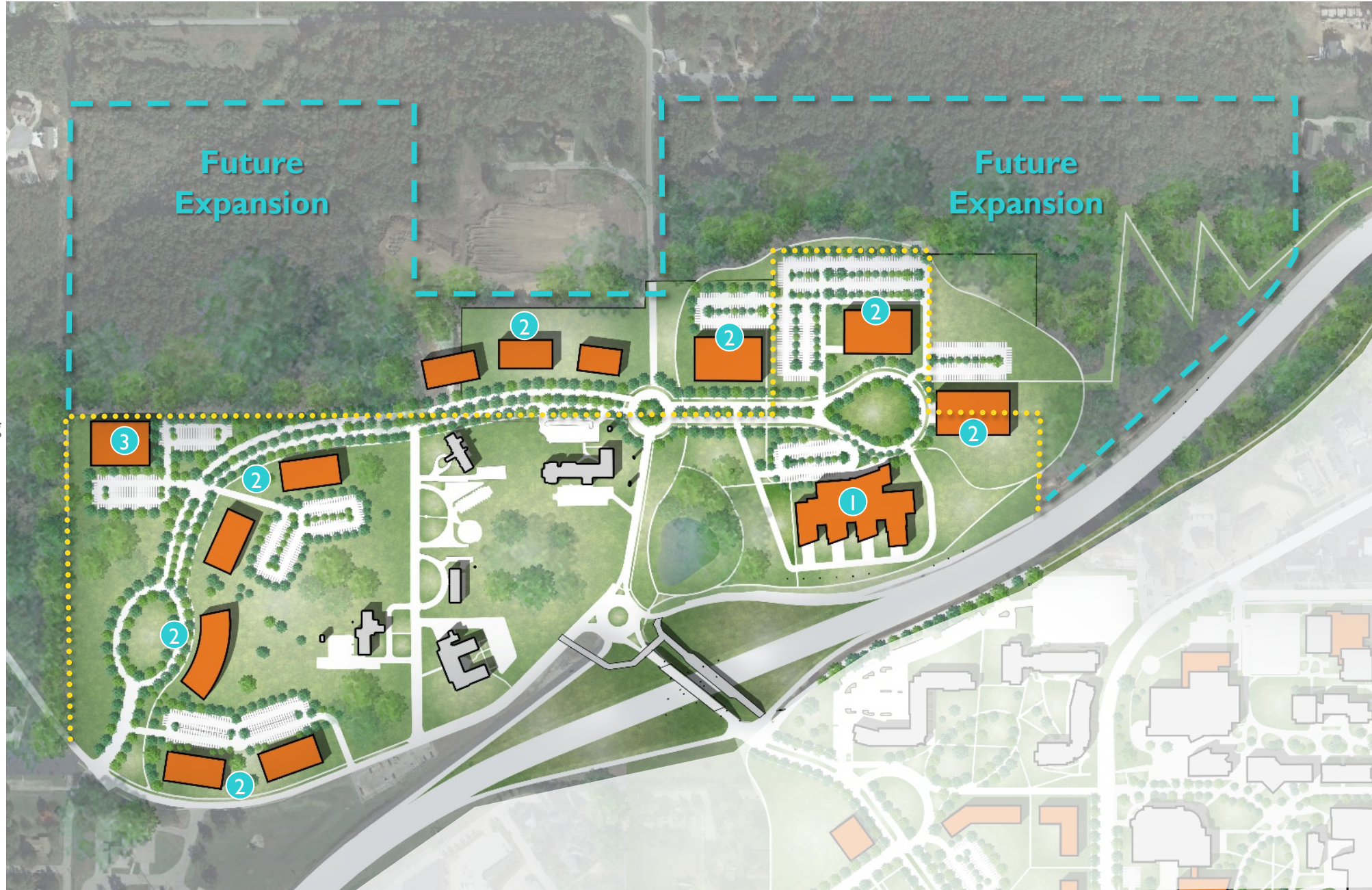
1. Systems Integration and Prototype Development Facility
2. R&D Park Future Facilities
3. New General Services Building

Enabling Projects

- General Services Replacement
- Adjacent Land Acquisitions
- Infrastructure Upgrades

Resulting Projects

- Miner Village Replacement Housing



Video



Thank you for your participation!

For more information, visit: <http://masterplan.mst.edu>