

THURSDAY, AUGUST 17, 2023
MASTER PLANNING AND FACILITIES COMMITTEE MEETING

Alan A. Stockmeister, chair
Reginald A. Wilkinson, vice chair
Elizabeth A. Harsh
Pierre Bigby
Joshua H.B. Kerner
James D. Klingbeil
Robert H. Schottenstein
Hiroyuki Fujita (*ex officio*)

Location: Vitria on the Square - University Square North (USN)
14 E. 15th Avenue, Columbus, OH 43201

Time: 8:00-9:30am

Public Session

ITEMS FOR DISCUSSION

1. *Physical Environment Scorecard – Mr. Jay Kasey* 8:00-8:05am
2. *Major Project Updates – Mr. Mark Conselyea* 8:05-8:10am
3. *Resource Stewardship Update – Ms. Aparna Dial* 8:10-8:20am
4. *Framework 3.0 – Ms. Amanda Hoffsis* 8:20-8:40am
5. *Design Reviews – Ms. Amanda Hoffsis and Mr. Kyle Albert* 8:40-8:50am

ITEMS FOR ACTION

6. Approval of May 2023 Committee Meeting Minutes – Mr. Alan Stockmeister
7. Approval of FY24 Capital Investment Plan – Mr. Jay Kasey,
Mr. Michael Papadakis 8:50-8:55am
8. Approval to Enter Into/Increase Professional Services and Enter Into Construction
Contracts – Mr. Mark Conselyea 8:55-9:00am
9. Approval of Framework 3.0 – Ms. Amanda Hoffsis 9:00-9:05am
10. Approval to Enter Into Joint Use Agreements – Ms. Amanda Hoffsis 9:05-9:10am
 - a. Ohio Manufacturing and Innovation Center
 - b. Upper Arlington Community Center

Executive Session

9:10-9:30am

PHYSICAL ENVIRONMENT	Actual Prior Year Same Period (FY22 YTD)	FY23 Year-To-Date				FY23 Annual Target (Budget)	Comments
		Actual	Target (Budget)	Target %Var	Actual vs Target		
A. FINANCIAL							
1. A&P Total Uses (General & Earnings Funds)	\$161,610,724	\$204,876,427	\$201,358,990	1.7%	▼	\$201,358,990	
B. OPERATIONAL							
1. % Projects Completed On Time >\$200K	61.0%	95.5%	90.0%	6.1%	▬	90.0%	42 of 44 Projects completed On-Time.
2. % Projects Completed On Budget >\$200K	92.7%	100.0%	90.0%	11.1%	▬	90.0%	44 of 44 Projects completed On-Budget.
3. Capital Investment Program Spend*	\$1,109.1	\$1,110.2	\$1,317.5	-15.7%	▬	\$1,317.5	In Millions. Spend significantly under budget since Dec. WMC down \$57M. T&C projects billing slow. CNI project spend slow (Campbell Hall Renovation budgeted for \$24M but only approved for Design: \$2M expenditure in FY23).
4. Facility Condition Index**	0.10	0.11	0.08	37.5%	▬	0.08	Completed building assessments as of June 30, 2023: 225 buildings assessed, 21.3 million GSF. Not representative sample, target ranges still under review.
5. CABS Riders	2,488,181	2,738,308	2,911,000	-5.9%	▬	2,911,000	Despite a year-over-year increase in total ridership, year-to-date ridership did not achieve projected number.
6. WMC Parking Garage Peak Time Occupancy % ***	77.7%	81.4%	80.0%	1.7%	▬	80.0%	YTD (June) Occup%: Transient = 92.2%, Permit = 77.7%, Mixed= 79.8% CampusParc uses loop counters to track counts. In high demand we see counts over 100%.
7. Cost of Daily Temporary Parking Space Closures	\$164,189	\$196,362	\$135,965	44.4%	▲	\$135,965	Key contributors YTD: 650 Ackerman Roof, DHC (Engie) Projects, Cannon Phase 2, the 12th Avenue Garage, & Orton Hall Envelope Project.
8. WOSU Broadcast Audience (Viewers, Listeners)	648,625	662,383	648,625	2.1%	▬	648,625	Average YTD Classical 101 listeners up 18.7% and TV up 8.9% compared to FY22
9. WOSU Digital Audience (Unique Visitors, Video Views, Digital Audio)	5,721,982	7,227,241	5,721,982	26.3%	▼	5,721,982	Average YTD of all digital platforms up (Unique visitors 39.1%, Video views 28.4%, and Streaming 2.9%) compared to FY22
C. SAFETY							
1. EHS Recordable Accident Rate (CYTD):	0.89	0.56	1.60	-65.0%	▼	1.60	2023 Calendar YTD
2. Major On-Campus Crimes	235	173	166	4.2%	▼	166	Progress in reducing crimes since earlier in the year, especially regarding Theft of Motor Vehicle Parts
3. Avg Response Time to In-Progress Calls for Svc	6:36	4:34	5:00	-8.5%	▲	5:00	
4. Traffic Accidents Injury	26	17	26	-34.6%	▼	26	
5. Traffic Accidents Non-Injury	95	113	95	18.9%	▼	95	Most common causes: "Failure to Control" and "Assured Clear Distance", occurring mostly during daylight
6. Off-Campus Crime Statistics	1,761	1,201	1,761	-31.8%	▬	1,761	Continued progress in reducing crimes since earlier in the year, especially regarding Motor Vehicle Theft

* For B3. Capital Investment Program Spend, Green = "Target %Variance" of + or - 10%, with an additional Yellow range extending 10% above and 20% below the Green range.

** For B4. Facility Condition Index, Green: <= 0.08; Yellow: >= 0.09, <= 0.15; Red: > 0.15. Target %Variance = Actual - Target.

*** For B6&7. Parking Garage Peak Time Occupancy %, the target is 80% + or - 5% pts., with an additional 5% pt. Yellow range in both directions. Peak time measured on weekdays between 12:30 and 1:30 p.m.

- ▬ Meets or surpasses Target
- ▬ Within 10% of Target
- ▬ Does not meet Target by >10%
- Data Pending
- ▲ 4-Mo Target %Var improved from Prior 4-Mo
- ▬ Within +/- 2.5% of Prior 4-Mo Target %Var
- ▼ 4-Mo Target %Var decline from Prior 4-Mo



Major Project Updates

Projects Over \$20M

AUGUST 2023



Project Status Report - Current Projects Over \$20M

PROJECT NAME	CONSTRUCTION COMPLETION DATE	APPROVALS		BUDGET	ON TIME	ON BUDGET
		DES	CON			
The James Outpatient Care	COMPLETE	✓	✓	\$356.5 M		
Arts District	COMPLETE	✓	✓	\$165.3 M		
Jane E. Heminger Hall and Newton Renovation	COMPLETE	✓	✓	\$31.7 M		
Energy Advancement and Innovation Center	10/23	✓	✓	\$49.3 M		
Interdisciplinary Health Sciences Center	1/24	✓	✓	\$157.3 M		
Combined Heat & Power Plant/District Heating & Cooling Loop	3/24	✓	✓	\$289.9 M		
Newark – Founders Hall Enhancements	4/24	✓	✓	\$26.4 M		
Martha Morehouse Facility Improvements	7/24	✓	✓	\$42.2 M		
Celeste Lab Renovation	8/24	✓	✓	\$49.7 M		
Cannon Drive Relocation - Phase 2	12/24	✓	✓	\$68.1 M		
Campbell Hall Renovation	3/25	✓	✓	\$61.2 M		
Biomedical and Materials Engineering Complex Phase 2	8/25	✓	✓	\$90.0 M		
Wexner Medical Center Inpatient Hospital	10/25	✓	✓	\$1,904.2 M		
TOTAL – PROJECTS				\$3,291.80 M		

On Track
 Watching Closely
 Not on Track

The James Outpatient Care



THE JAMES OUTPATIENT CARE

Construct an approximately 385,000 square foot outpatient facility including a surgical center, proton therapy, and medical office space. The proton therapy facility will focus on leading-edge cancer treatments and research. The facility will also include a 640-space parking garage.



PROJECT FUNDING: Auxiliary funds; fundraising; partner funds

PROJECT UPDATE: The James Outpatient Care facility opened for first patients on July 17th. Commissioning is ongoing for the proton therapy facility to prepare for opening in October.

CURRENT BUDGET	
Construction w/ Cont	\$229.6 M
Total Project	\$356.5 M

CONSULTANTS	
Architect of Record	Perkins & Will
CM at Risk	BoldtLinbeck

PROJECT SCHEDULE	
BoT Approval	11/18
Construction	7/20-4/23
Facility Opening – Outpatient	COMPLETE
Facility Opening – Proton	10/23

 **On Budget**
 **On Time**

Arts District



ARTS DISTRICT

Renovate and expand the School of Music (SoM) building (Timashev Family Music Building) and construct a new Department of Theatre, Film, and Media Arts (DTFMA) building. The project will also extend Annie and John Glenn Avenue from College Road to High Street and make modifications to College Road and adjacent pedestrian spaces.

PROJECT FUNDING: University funds; university debt; fundraising; partner funds
PROJECT UPDATE: DTFMA move in is complete. Teaching and performances will commence fall semester.

CURRENT BUDGET	
Construction w/ Cont	\$146.6 M
Total Project	\$165.3 M

CONSULTANTS	
Architect of Record	DLR
CM at Risk	Holder Construction

PROJECT SCHEDULE	
BoT Approval	8/15
Construction – SoM	COMPLETE
Construction – DoTFMA	COMPLETE
Facility Opening – SoM	COMPLETE
Facility Opening – DoTFMA	COMPLETE

- On Budget - DoTFMA
- On Time - DoTFMA

Jane E. Heminger Hall and Newton Renovation



JANE E. HEMINGER HALL AND NEWTON RENOVATION

Construct an additional 35,000 square foot addition to the south of Newton Hall and renovate 12,300 square feet on the first floor that will include flexible classrooms, informal learning spaces and offices.



PROJECT FUNDING: University funds; fundraising; state funds

PROJECT UPDATE: The renovation in Newton Hall is complete.

CURRENT BUDGET	
Construction w/ Cont	\$28.4 M
Total Project	\$31.7 M

CONSULTANTS	
Architect of Record	Meacham & Apel
CM at Risk	Ruscilli

PROJECT SCHEDULE	
BoT Approval	2/18
Construction – Heminger	COMPLETE
Construction – Newton	COMPLETE
Fac Opening - Heminger	COMPLETE
Fac Opening – Newton	COMPLETE

 On Budget
 On Time

Energy Advancement and Innovation Center



ENERGY ADVANCEMENT AND INNOVATION CENTER

Construct an approximately 66,000 square foot facility centered around diverse collaborations to propel the next generation of convergent energy research and technology incubation. The facility will prioritize passive and active strategies to reduce energy usage and will include the installation of a direct current (DC) microgrid with photovoltaics/solar panels on the roof.

PROJECT FUNDING: Partner funds; university funds

PROJECT UPDATE: The solar panels have been installed. The site work is ongoing. Interior finishes are being completed throughout.

CURRENT BUDGET	
Construction w/ Cont	\$39.0 M
Total Project	\$49.3M

CONSULTANTS	
Architect of Record	Moody Nolan
CM at Risk	Whiting Turner/CK

PROJECT SCHEDULE	
BoT Approval	2/19
Construction	10/21-10/23
Facility Opening	11/23

■ On Budget
■ On Time

Interdisciplinary Health Sciences Center



INTERDISCIPLINARY HEALTH SCIENCES CENTER

Multiphase renovation of 120,000 square feet and addition of 100,000 square feet to create a collaborative campus for inter-professional education throughout the health sciences, including the College of Medicine, Optometry, Nursing, and the School of Health and Rehabilitation Sciences. Program spaces include classrooms, anatomy labs, research labs, administrative and building support.


PROJECT FUNDING: Auxiliary funds; university funds; state funds; fundraising

PROJECT UPDATE: Classroom Wing - Furniture installation is complete and AV installation is nearing completion. This phase of the project will be complete for use fall semester. Hamilton Hall - Forum curtainwall is nearly complete. Drywall, interior framing and painting is ongoing throughout. South half of the quad is at finish grades with paving in progress.

CURRENT BUDGET	
Construction w/ Cont	\$139.2 M
Total Project	\$157.3 M

CONSULTANTS	
Architect of Record	Acock Assoc
CM at Risk	Gilbane

PROJECT SCHEDULE	
BoT Approval	11/17
Construction	11/19-1/24
Facility Opening	2/24

 **On Budget**

 **On Time**

CHP/DHC



COMBINED HEAT AND POWER PLANT/ DISTRICT HEATING AND COOLING LOOP – CHP/ DHC

105 MW combined heat and power (CHP) plant, with a heating capacity of 285 klb/hr of superheated steam. The CHP plant will also contain an 8,000-ton cooling facility with future build-out potential to 13,000-ton. Installation of heating hot water (HHW) and chilled water (CW) on the midwest and west campuses to support existing and new campus buildings. Rehabilitation of John Herrick Drive bridge to support new utilities which connect the CHP to main campus.

PROJECT FUNDING: Utility fee

PROJECT UPDATE: CHP plant mechanical and electrical work schedule continues to slip. Sub-contracts, engineering contract and project schedule development is ongoing. Distribution system installation at midwest campus in process and on target for completion. CHP bypass plant in operation and providing chilled water and heating hot water to the Pelotonia Research Center and James Outpatient Care facilities.

CURRENT BUDGET	
Total Project	\$289.9 M

PROJECT SCHEDULE	
BoT Approval	8/19
Construction	11/20-TBD
Facility Opening	TBD

CONSULTANTS	
Operator's Engineer	HDR
Design-Builder (CHP)	MasTec
CMR (DHC/Bridge)	Whiting Turner/CK
A/E (DHC)	RMF Engineering
A/E (Bridge)	EMH&T

On Budget
 On Time

Newark Founders Hall Enhancements



NEWARK FOUNDERS HALL ENHANCEMENTS

The project will renovate approximately 90,000 square feet for Ohio State and Central Ohio Technical College. This project will address building mechanical systems, electrical, building envelope, exterior façade and improve energy savings. The renovation will include updated faculty offices, classrooms and student collaboration areas.

PROJECT FUNDING: University funds; state funds; fundraising, partner funds – COTC

PROJECT UPDATE: Demolition inside the building is complete. Framing, mechanical, electrical and plumbing work is ongoing as well as exterior façade and site work.

CURRENT BUDGET	
Construction w/ Cont	\$23.1 M
Total Project	\$26.4 M

CONSULTANTS	
Architect of Record	TCI
CM at Risk	ROBERTSON

PROJECT SCHEDULE	
BoT Approval	11/22
Construction	1/23-4/24
Facility Opening	7/24

- On Budget
- On Time

Martha Morehouse Facility Improvements



MARTHA MOREHOUSE FACILITY IMPROVEMENTS

Renovate 14 department areas in 5 phases. Phase 1 will renovate the auditorium, update the existing elevators and one additional elevator. Phases 2-5 will construct an 8,500 square foot addition to the north and west, expanding registration, laboratory spaces, and waiting area; renovate 105,000 square feet of existing space including pulmonary rehabilitation, urgent care, OSUWMC perioperative assessment center; comprehensive weight management, food service, and patient drop-off/pick-up canopy.

PROJECT FUNDING: Auxiliary funds

PROJECT UPDATE: Final inspections for phase 4 are complete. West registration, lab, Advanced Urgent Care, and BistrOH! opened on August 7 and OSU Preoperative Assessment Clinic and Comprehensive Weight Management opened on August 14. The final phase, phase 5, includes the renovation of the Pulmonary Function space, Lung Center and Rehab Clinic.

CURRENT BUDGET	
Construction w/ Cont	\$38.7 M
Total Project	\$42.2 M

CONSULTANTS	
Architect of Record	BDTAID
CM at Risk	Elford

PROJECT SCHEDULE	
BoT Approval	8/19
Construction	9/20-7/24
Facility Opening - Phased	8/24

■ On Budget
■ On Time

Celeste Lab Renovation



CELESTE LAB RENOVATION

Upgrade the building mechanical, electrical and plumbing systems; renovate approximately 18,500 square feet of chemistry labs and support spaces; improve the exterior envelope.



PROJECT FUNDING: University funds; state funds; fundraising

PROJECT UPDATE: Phased construction of the laboratories continues. The phasing allows classes to continue while construction is ongoing. South labs on the 2nd and 3rd floors will be ready for fall semester. Fourth floor restroom renovations are complete, and the 3rd floor restrooms will be complete in September.

CURRENT BUDGET	
Construction w/ Cont	\$41.2 M
Total Project	\$49.7 M

CONSULTANTS	
Architect of Record	BHDP
CM at Risk	Elford

PROJECT SCHEDULE	
BoT Approval	8/18
Construction	7/20-8/24
Facility Opening	8/24

 **On Budget**
 **On Time**

Cannon Drive Relocation – Phase 2



CANNON DRIVE RELOCATION – PHASE 2

Rebuild Cannon Drive between John Herrick Drive and Woody Hayes Drive at its current elevation and construct a certified ODNR flood protection levee.

Work also includes a new signalized intersection at Woody Hayes Drive and the continued expansion of the river park.



PROJECT FUNDING: University debt; auxiliary funds; partner funds

PROJECT UPDATE: Siphon construction is nearing completion. Roadway construction began April 2023. Drake Union abatement began in June with demolition to occur in the fall.

CURRENT BUDGET	
Construction w/ Cont	\$55.5 M
Total Project	\$68.1 M

CONSULTANTS	
Architect/Engineer	EMH&T
CM at Risk	Igel/Ruhlin (JV)

PROJECT SCHEDULE	
BoT Approval	8/17
Construction	8/22 – 12/24
Facility Opening	1/25

 **On Budget**
 **On Time**

Campbell Hall Renovation



Campbell Hall Renovation

This project will renovate 115,000 SF in Campbell Hall. The interior renovation will enable the College of Education and Human Ecology’s longtime goal of centralizing teaching, research, and administrative functions along Neil Avenue. The project will address all deferred maintenance including new MEP systems, roofing, building envelope, and windows.

PROJECT FUNDING: State funds, fundraising & local funds

PROJECT UPDATE: Enabling project in Evans Lab to create swing space for building occupants to move out of Campbell is complete. Construction in Campbell Hall began in July with demolition and abatement activities.

CURRENT BUDGET	
Construction w/ Cont	\$48M
Total Project	\$61.2M

CONSULTANTS	
Architect of Record	Schooley Caldwell
CM at Risk	Holder Construction

PROJECT SCHEDULE	
BoT Approval	5/23
Construction	07/23-01/25
Facility Opening	02/25

- On Budget
- On Time

Biomedical and Materials Engineering Complex Phase 2



Biomedical and Materials Engineering Complex Phase 2

This project will demolish Watts Hall (35,504 square feet) and renovate MacQuigg Laboratory (76,345 square feet) and include an addition to MacQuigg. It will provide improved building services and create a dynamic and energy efficient facility. The project will provide facilities for first year engineering, biomedical engineering and materials engineering.



PROJECT FUNDING: State funds, Fundraising, University funds

PROJECT UPDATE: Watts Hall demolition is complete. GMP1 contract has been executed. MacQuigg abatement and demolition began August 2023.

CURRENT BUDGET	
Construction w/ Cont	\$70.2 M
Total Project	\$90.0 M

CONSULTANTS	
Architect/Engineer	DLR Group
CM at Risk	Walsh Construction

PROJECT SCHEDULE	
BoT Approval	05/23
Construction	08/23 – 08/25
Facility Opening	10/25

 **On Budget**
 **On Time**

Wexner Medical Center Inpatient Hospital



WEXNER MEDICAL CENTER INPATIENT HOSPITAL

New 1.9M square foot inpatient hospital tower with up to 820 beds in private room settings replacing and expanding on the 440 beds in Rhodes Hall and Doan Hall including an additional 84 James beds. Facilities include state-of-the-art diagnostic, treatment and inpatient service areas including emergency department, imaging, operating rooms, 60 neonatal intensive care unit bassinets, critical care and medical/surgical beds, and leading-edge digital technologies to advance patient care, teaching and research.

PROJECT FUNDING: University debt; fundraising; auxiliary funds

PROJECT UPDATE: Curtainwall is nearly complete. Activation of the first sets of air handlers and chilled water system for temporary conditioning has occurred. Two cranes will be removed by the end of August.

CURRENT BUDGET	
Construction w/ Cont	\$1,711.1 M
Total Project	\$1,904.2 M

CONSULTANTS	
Architect of Record	HDR
CM at Risk	Walsh-Turner (JV)

PROJECT SCHEDULE	
BoT Approval	2/18
Construction	9/20-10/25
Facility Opening	Q1/Q2 2026

- On Budget
- On Time

Resource Stewardship Update

August 2023



Achieve Carbon Neutrality by 2050

Accomplishments:

- **Energy efficiency programs**
(~60,000 MTCO₂e reduction)
- **Renewable Energy Credits**
(~60,000 MTCO₂e reduction)
- **Solid waste emissions**
(~2,500 MTCO₂e reduction)

Other Impacts:

- **Air travel and commuting**
(~45,000 MTCO₂e reduction)





**Achieve Carbon
Neutrality by 2050**

- Opportunities:**
- Strategic Infrastructure Optimization Plan (SIOP)
 - Energy Advancement & Innovation Center (EAIC)

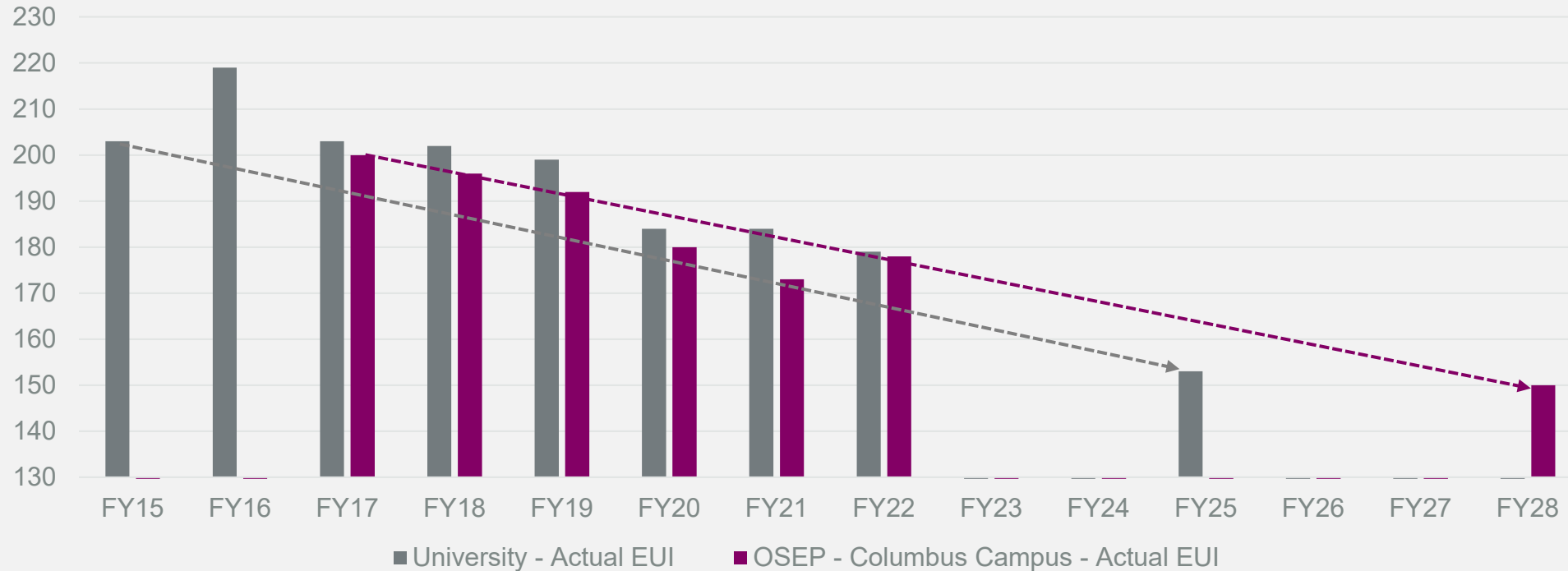
Increase the Energy Efficiency of the University per Building Square Foot by 25% by 2025

Accomplishments:

- 46 Energy Conservation Projects (300,000 MMBTU in energy savings)
 - LED conversion
 - Heat recovery chillers
- Division 18 Building Design Standards



Energy Use Intensity Reduction Trends



Increase the Energy Efficiency of the University per Building Sqr Ft by 25% by 2025

- Opportunities:**
- ECM program continuation with Ohio State Energy Partners
 - Regional campus energy efficiency
 - Building energy setback program
 - Explore feasibility of solar energy

Reduce Potable Water Consumption by 10% Per Capita Every 5 Years

- FY22 usage - 1.1 billion gallons
- FY22 water and sewage cost ~\$10 million

Accomplishments:

- Annual reduction since 2015 - 390 million gallons (savings of \$1.2 million/year)





Reduce Potable Water Consumption
by 10% Per Capita Every 5 Years

Opportunities: • Wastewater Reuse and Reclamation
Facility RFP Issuance

Increase Ecosystem Services Index Score

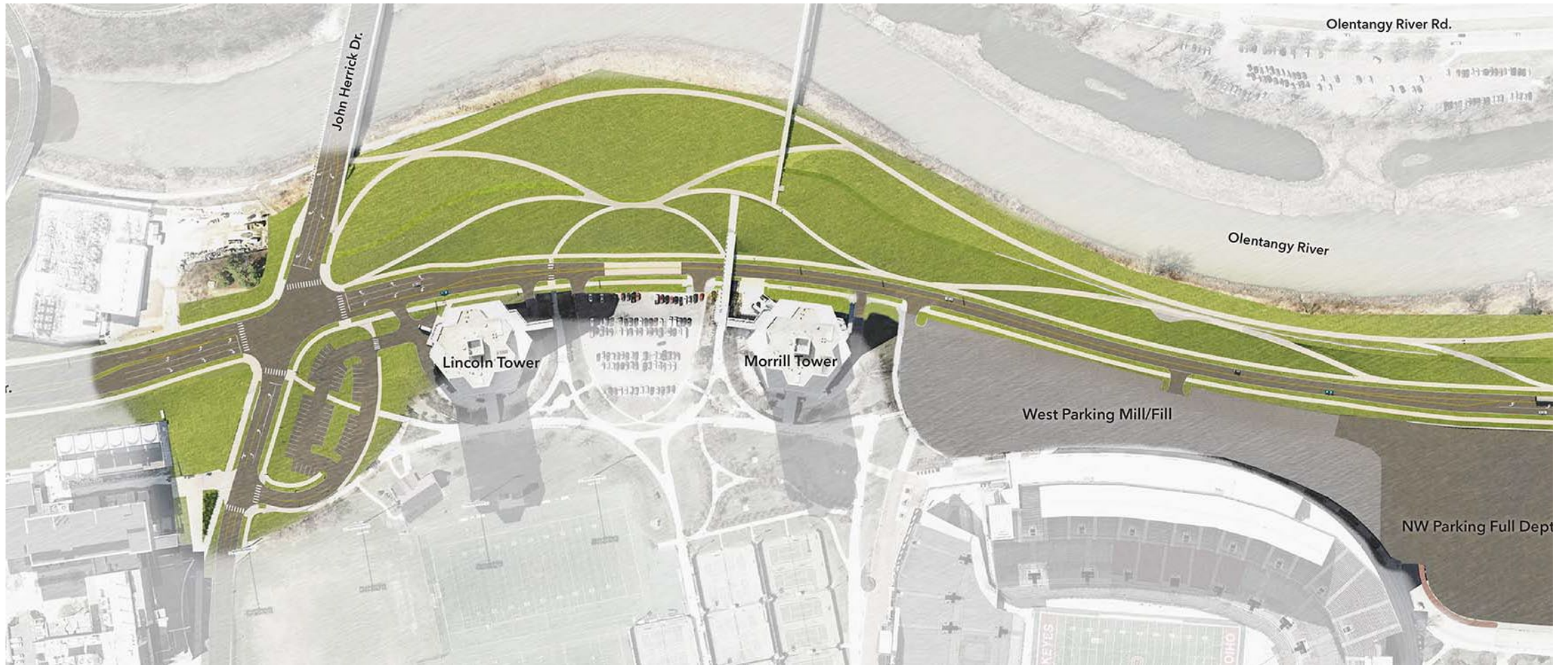
Criteria:

- Maintain historic natural landscapes
- Preserve tree canopy
- Manage stormwater system
- Provide for physical activity and social connectivity

Accomplishments:

- Mirror Lake restoration
- Cannon Drive Phase 1 construction
- FY22 tree planting – 1,000 trees





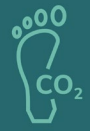
Increase Ecosystem
Services Index Score

- Opportunities:
- Framework 3.0
 - Cannon Drive Phase 2
 - Tree inventory

Reduce Carbon Footprint of University Fleet Per Thousand Miles Traveled

Accomplishments:

- Alternative fuel vehicles - 17.6% (164 out of 930)
- Public electric vehicle charging infrastructure: 12 locations, including 3 regional campuses
- CNG conversion - \$1.72 million fuel cost savings to date





Reduce Carbon Footprint of
University Fleet Per Thousand
Miles Traveled by 25% by 2025

- Opportunities:
- Alternative fuel/electric vehicle adoption
 - Fuel efficiency standards
 - Electric charging infrastructure

Achieve Zero Waste by 2025 by Diverting 90% of Waste Away from Landfills

Accomplishments:

- 40.0% diversion rate
- Ohio Stadium - largest US sports venue to achieve Zero Waste
- Compost program expansion





Achieve Zero Waste by 2025 by
Diverting 90% of Waste Away
from Landfills

- Opportunities:**
- Waste infrastructure standardization and expansion
 - Waste prevention and purchasing practices

The Ohio State Campus: A Living Laboratory

Opportunities:

- Research and experiential learning collaboration with Sustainability Institute
- Incorporate research advances into campus operations
- Test bed for innovation, partner with Ohio State Energy Partners and leverage Energy Advancement and Innovation Center to research new clean energy technologies
- Align activities across campuses



University Fleet's Carbon Footprint

Reduce carbon footprint of university fleet per thousand miles traveled by 25% by 2025



Carbon Neutrality

Achieve carbon neutrality by 2050 per Presidents' Climate Leadership Commitment

Ecosystem Services

Increase Ecosystem Services Index score to 85% by 2025



Potable Water Consumption

Reduce potable water consumption by 10% per capita every 5 years – reset every 5 years



Zero Waste

Achieve Zero Waste by 2025 by diverting 90% of waste away from landfills



Building Energy Consumption

Increase the energy efficiency of the university by 25% per building sq. ft. by 2025

Several Resource Stewardship Goals End in 2025

Next Steps:

- Annual update in November
- New goals to be shared in November 2024



AUGUST 1, 2023

TO: The Ohio State Board of Trustees, Master Planning and Facilities Committee
FROM: Amanda Hoffsis, Vice President for Planning, Architecture and Real Estate

Re: **Framework 3.0 Final Plan**

Dear Trustees,

I am pleased to share Framework 3.0, the university's updated campus master plan, that was developed over the past 15 months with key input from all levels of the university community.

Since June 2022, our planning team has engaged with more than 250 faculty and staff through 30 listening sessions and a series of open houses. We met close to 400 students during poster sessions, open houses and listening sessions. Engagement is key when planning a campus of the future and our team reached more than 4,300 individuals through two separate online surveys. We believe this is a representative and diverse sample of the total Ohio State community and I am pleased with the breadth of voices that informed our planning.

Those voices led to the creation of four main planning principles that have guided Framework 3.0 through scenario development, plan refinement and recommendations with a focus on academic and research excellence:

- Stewardship
- Connectivity
- Experience
- Community

We often refer to these four principles as our compass because they have guided us through numerous planning decisions during Framework 3.0.

Framework 3.0 provides a roadmap for the university, evolving and refining concepts put forward in the two prior Framework plans. Framework 3.0 reflects strategic priorities and tests development capacity over several decades. It also includes near- to mid-term projects that may be realized in the next five to 15 years. We have taken special care to develop recommendations in terms of projects, practice and implementation principles that build on the strength of our planning principles to identify areas where the university can focus next.

Please find attached the Framework 3.0 compass of planning principles, campus planning priorities and our overall recommendations.

It has been a pleasure working on this plan to help shape the future of our campus and I hope that you are as excited as I am about the direction outlined in Framework 3.0.

Best,



Amanda



Framework 3.0

August 2023



Since June 2022, the planning team has engaged with more than

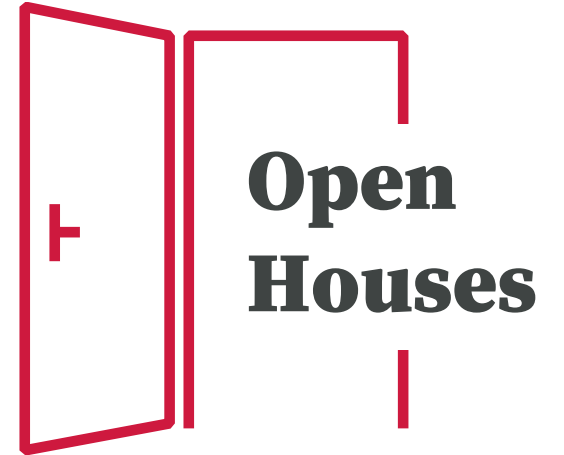


250

Faculty & Staff
through →

“
30 Listening
Sessions
”

And a
series of

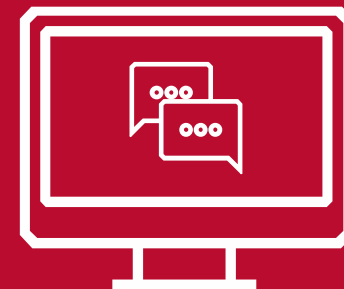


We met close to **400 students** during all poster sessions, open houses, and listening sessions.

We've engaged more than

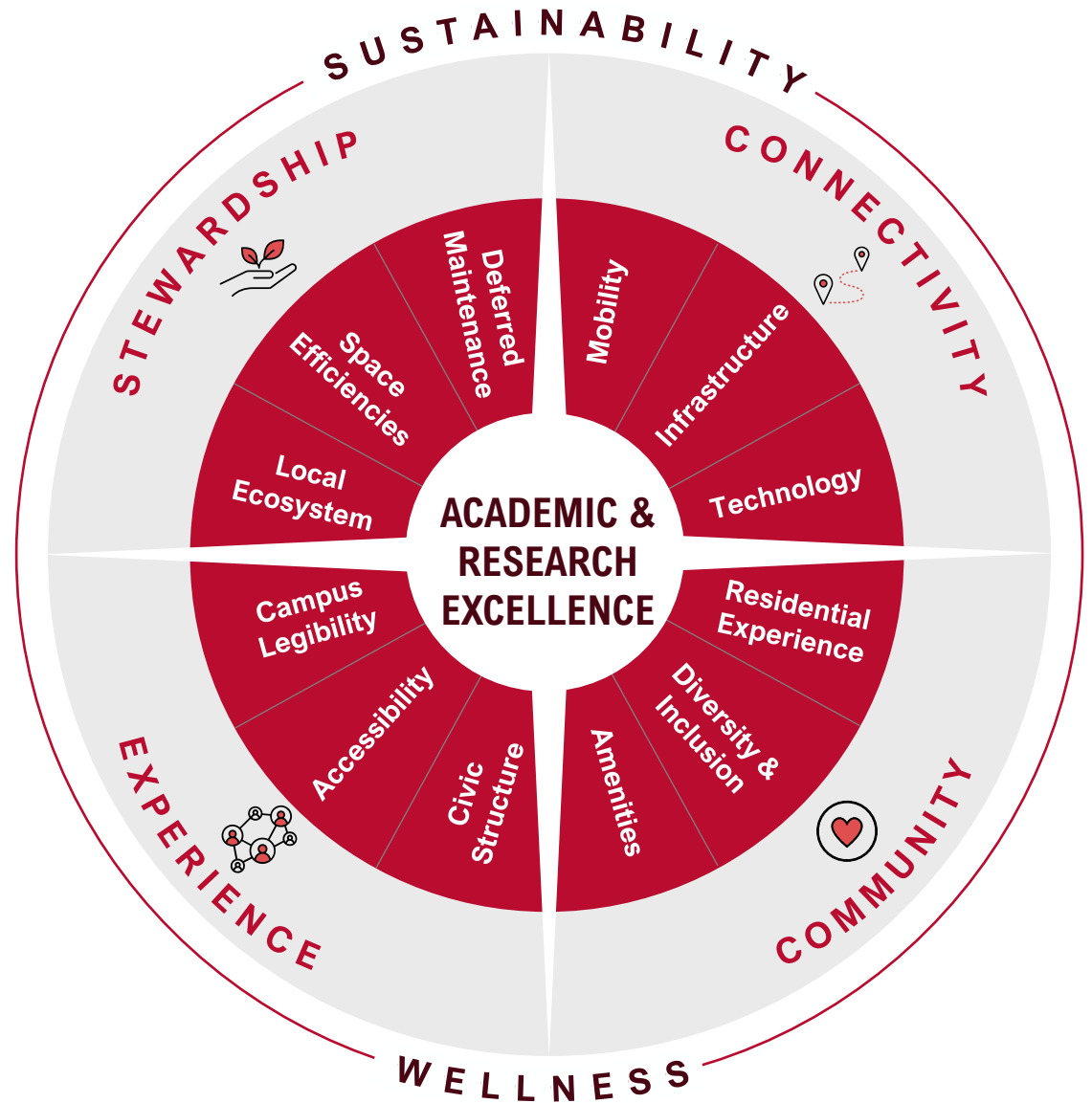
4,300

Individuals through two
separate online surveys



Framework 3.0 Principles

The physical campus will enhance Ohio State's position as a leading public university.



Framework 3.0 Implementation Principles



Community

- Increase **equity of student experience** through modernization of instructional space and on-campus housing.
- Provide updated, flexible spaces that support **teaching and research excellence**.
- Reflect the **diversity** of the university's people, places and programs on campus.



Experience

- Implement/enhance **wayfinding** from highway to hallway.
- **Enhance arrivals** by leveraging campus branding opportunities at edges and gateways.
- Explore partnerships to supplement campus **amenities** for faculty, staff, and the campus community.



Stewardship

- **Increase** net assignable research space. **Decrease** net assignable office space.
- Address **deferred maintenance** and **renewal** with each project.
- Achieve **alignment** between physical and strategic plans.



Connectivity

- Develop activated public spaces that are **functional, cohesive** and **beautiful**.
- Adopt **Complete Street** concepts in roadway design.
- **Engage the river** to enhance connectivity and user experience.


Practice

- Adopt **uniform scheduling** software to maximize utilization of classrooms and workspace.
- Implement a **space governance structure** for the university.
- Track **research metrics** to improve laboratory space allocation.
- Establish and maintain **Facility Master Plans** for all colleges and units.
- **Formalize funding model** for projects that enhance shared university spaces.

Framework 3.0

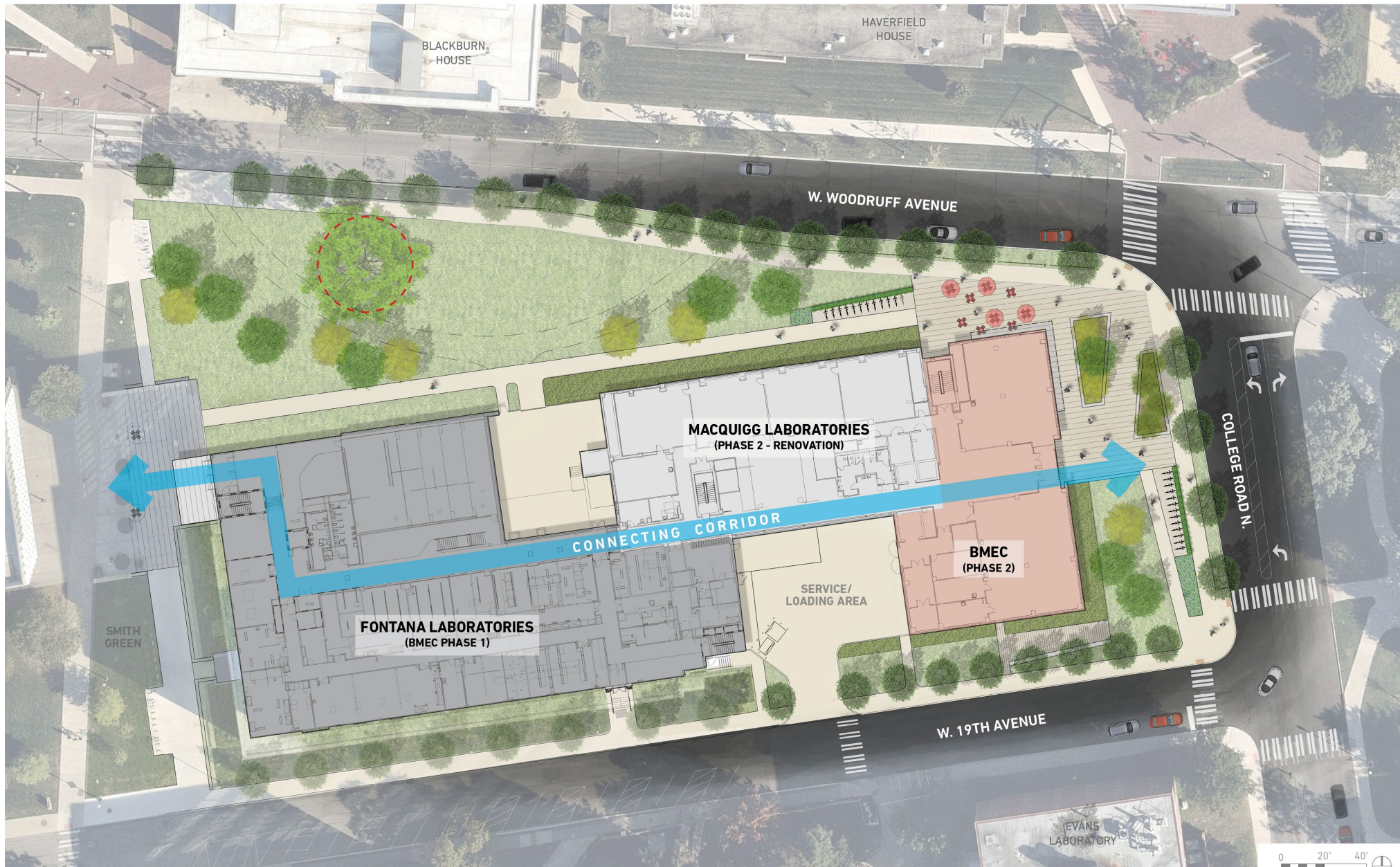
Near- to mid-term (5 to 15 years) campus planning priorities

- New facility for active learning classrooms and teaching labs.
- A phased replacement of Evans Lab with research labs, teaching labs and faculty offices.
- Hughes Hall renovation would modernize the building to serve future academic programs.
- Ramseyer renovation would support a STEM tutoring center and other future needs.
- South Residence Halls renovation would address condition inequities in campus housing.
- New North Residential District Resident Halls would replace current low-density buildings to create more beds.
- Neil Avenue, north of Annie and John Glenn Avenue, would close to vehicular traffic creating a pedestrian mall with dedicated bike lanes.
- New Ice Arena would be home to women's ice hockey practices and competition and men's ice hockey practices.
- Woody Hayes Complex addition would expand the facility for student athletes.
- New facility in the innovation district to house interdisciplinary research labs and research teams.
- James Outpatient Care Expansion to support patient care.
- Harding Hospital replacement would allow for a new hospital services and loading building.
- Ross Heart Hospital expansion would add patient beds and a medical hotel aimed at providing patients and families lodging before, during and after treatment.
- Two new Health Sciences academic buildings would allow for the relocation of the College of Pharmacy and School of Health and Rehabilitation Sciences.
- Complete and enhance the pedestrian path around the Oval.
- Improvements to the Woody Hayes streetscape would include dedicated bicycle, bus and pedestrian amenities.
- Railroad and SR-315 overpass improvements on Woody Hayes, Lane Avenue and Ackerman Road would include Ohio State branded murals, improved lighting and landscaping.
- Converse Hall replacement will address the deficiencies of the current facility serving the ROTC program.

A paved walkway in a park-like setting with trees and a large circular seal on the ground. The seal features a central emblem with a leaf and a gear, surrounded by the text 'THE OHIO STATE UNIVERSITY' and 'DISCIPLINA'.

Biomedical Materials Engineering Complex (BMEC)









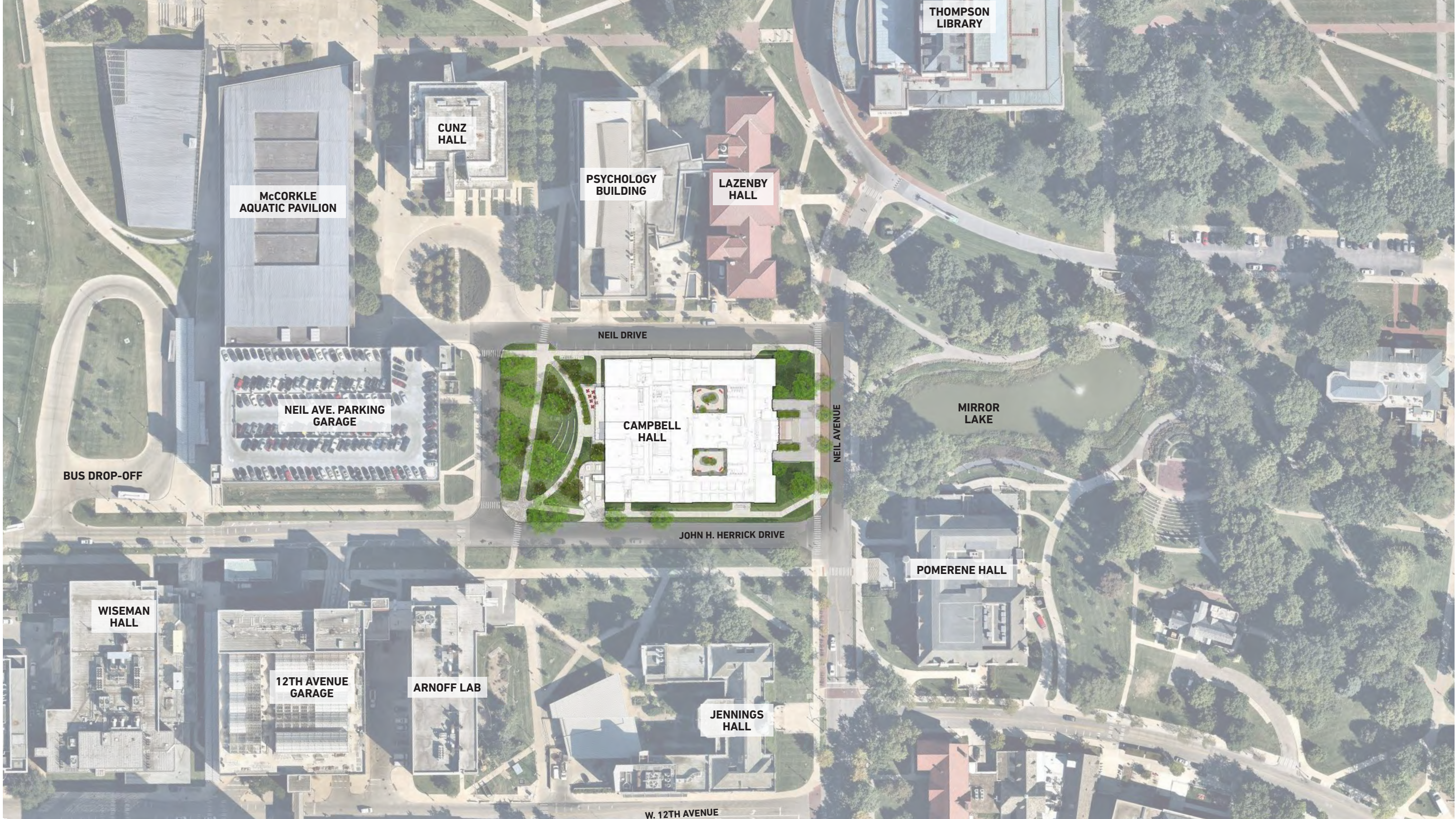
THE OHIO STATE UNIVERSITY

Southeast View

A photograph of a paved walkway in a park-like setting with trees and grass. A semi-transparent white banner is overlaid across the middle of the image, containing the title text. Below the banner, a large, faint watermark of the Ohio State University seal is visible on the pavement.

Campbell Hall Renovation





McCORKLE
AQUATIC PAVILION

CUNZ
HALL

PSYCHOLOGY
BUILDING

LAZENBY
HALL

THOMPSON
LIBRARY

NEIL DRIVE

NEIL AVE. PARKING
GARAGE

CAMPBELL
HALL

MIRROR
LAKE

JOHN H. HERRICK DRIVE

BUS DROP-OFF

WISEMAN
HALL

12TH AVENUE
GARAGE

ARNOFF LAB

JENNINGS
HALL

POMERENE HALL

W. 12TH AVENUE



NEIL DRIVE

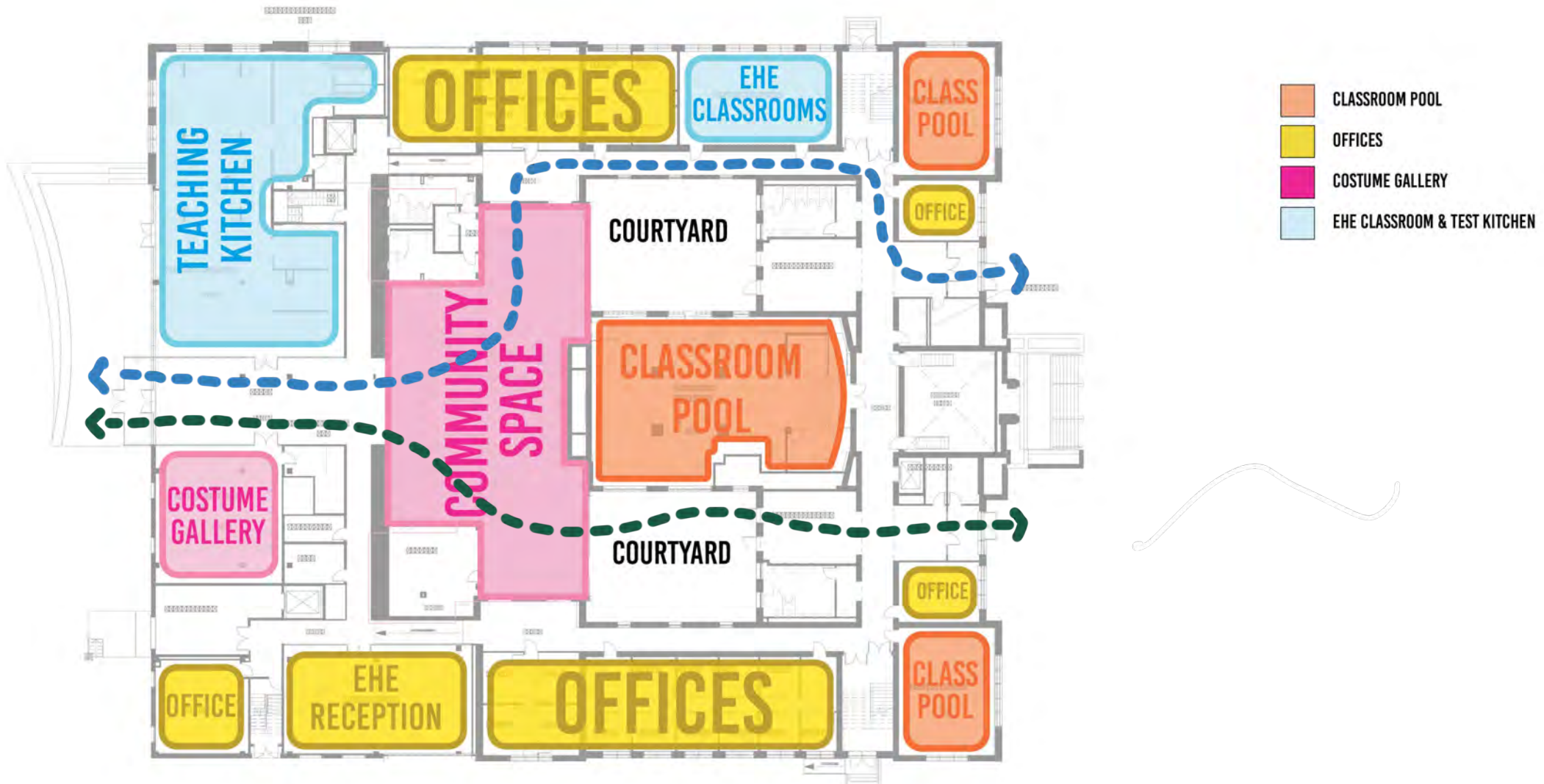
NEIL DRIVE

FUTURE LINER BUILDING

CAMPBELL HALL

NEIL AVENUE

JOHN H. HERRICK DRIVE



1ST FLOOR



COMMUNITY SPACE

SCHOOLEY-CALDWELL + EVOKE STUDIO ARCHITECTURE | THE OHIO STATE UNIVERSITY | CAMPBELL HALL RENOVATIONS



Waterman Multi-Species Animal Learning Center (MALC)





Conceptual Site Plan: Overall Vision

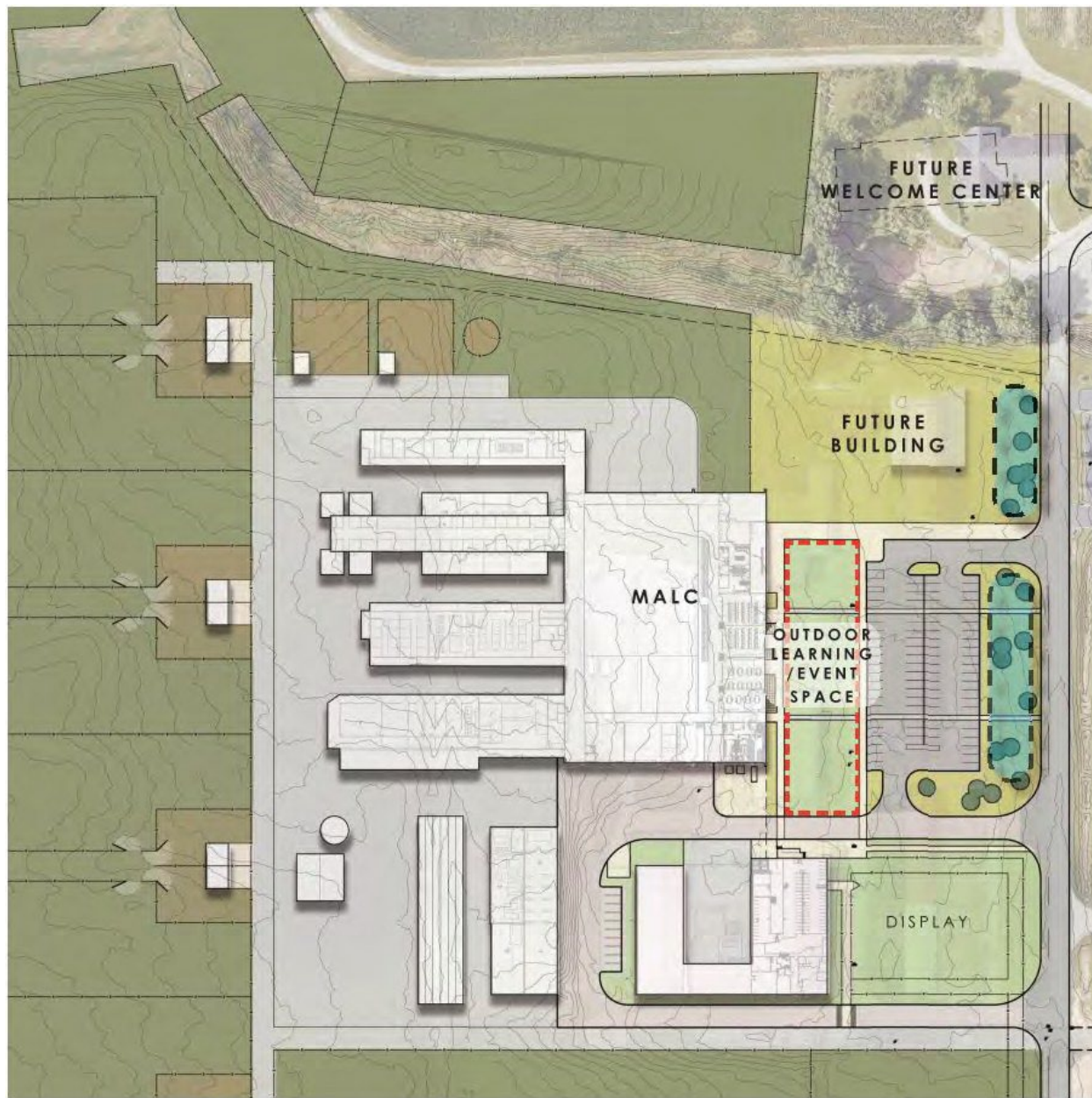
OSU-180048 – Multi-Species Animal Learning Center (MALC)

Wellogy | POPULOUS | Maurer Stutz | EDGE



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AND ENVIRONMENTAL SCIENCES



Outdoor Teaching & Event Space

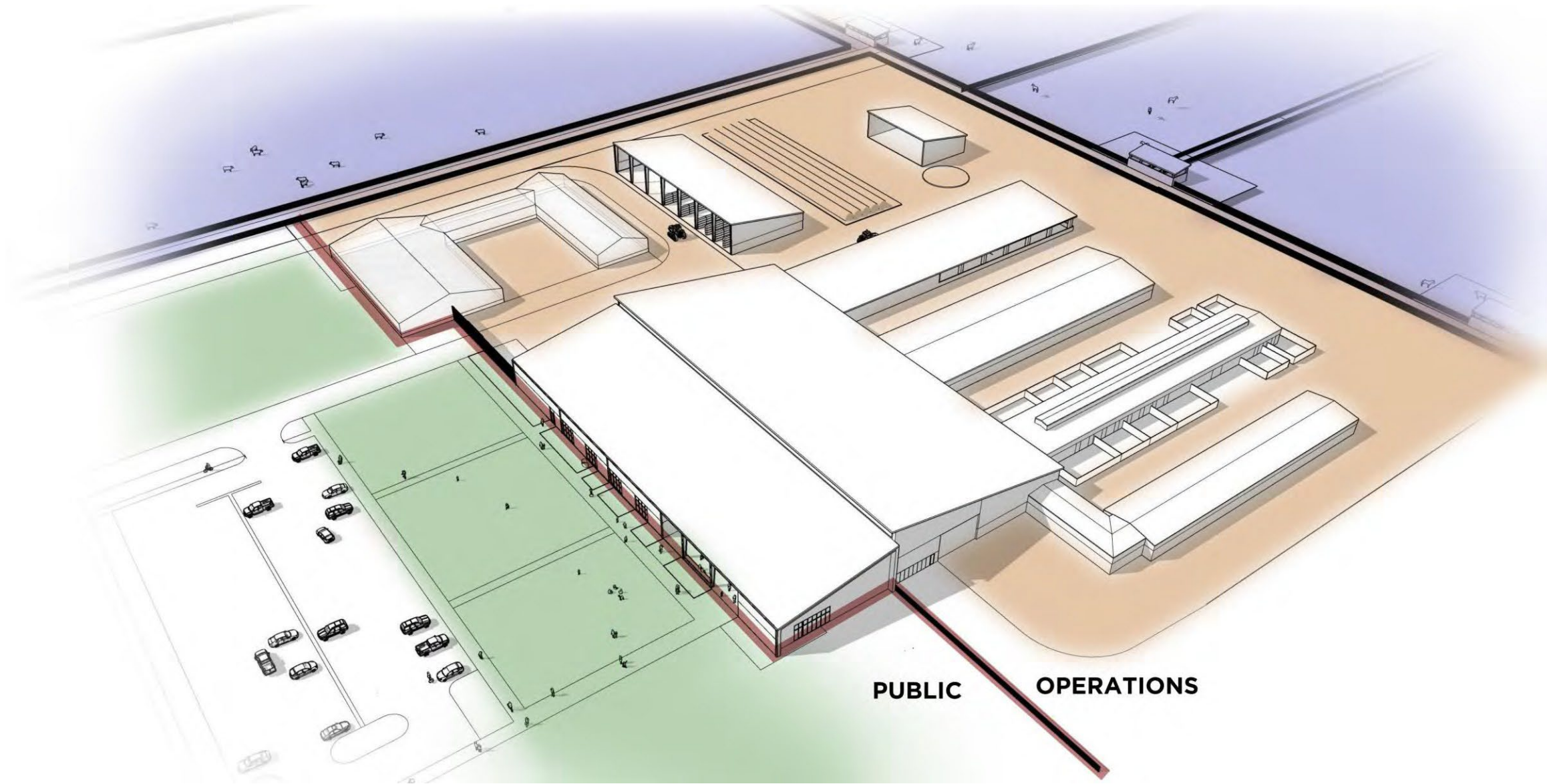
OSU-180048 – Multi-Species Animal Learning Center (MALC)

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Site Diagram

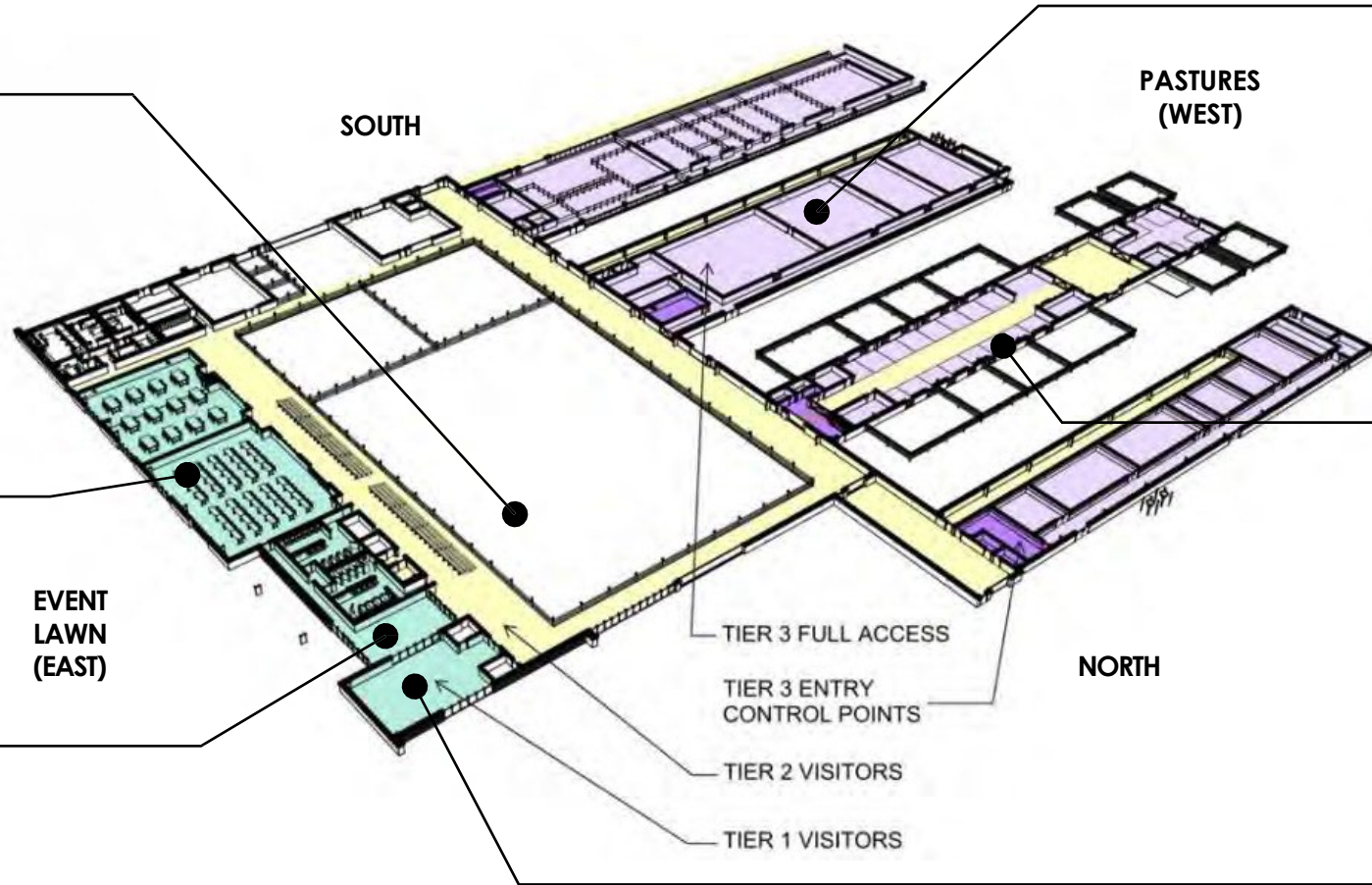
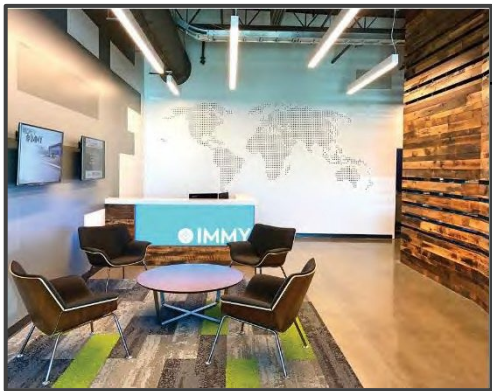
OSU-180048 – Multi-Species Animal Learning Center (MALC)

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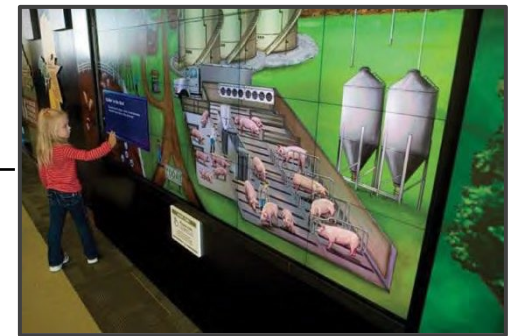


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AND ENVIRONMENTAL SCIENCES



- TIER 1 – VISITORS
- TIER 2 – GUIDED VISITORS / STAFFED EVENTS
- TIER 3 – BIOSECURE ZONES



Program Diagram

OSU-180048 – Multi-Species Animal Learning Center (MALC)

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AND ENVIRONMENTAL SCIENCES



Rendering

OSU-180048 – Multi-Species Animal Learning Center (MALC)

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 THE OHIO STATE UNIVERSITY
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AND ENVIRONMENTAL SCIENCES



SUMMARY OF ACTIONS TAKEN

May 18, 2023 – Master Planning & Facilities Committee Meeting

Members Present:

Alan A. Stockmeister
Elizabeth A. Harsh
Reginald A. Wilkinson

Pierre Bigby
Taylor A. Schwein
James D. Klingbeil

Robert H. Schottenstein

Members Present via Zoom: N/A

Members Absent:

Hiroiyuki Fujita (ex officio)

PUBLIC SESSION

The Master Planning & Facilities Committee of The Ohio State University Board of Trustees convened on Thursday, May 18, 2023, in person at the Longaberger Alumni House on the Columbus campus and virtually over Zoom. Committee Vice-Chair Alan Stockmeister called the meeting to order at 8:00 a.m.

EXECUTIVE SESSION

It was moved by Mr. Stockmeister, and seconded by Mrs. Harsh, that the committee recess into executive session to discuss the purchase of property, to consider business-sensitive trade secrets required to be kept confidential by federal and state statutes, and to consult with legal counsel regarding pending or imminent litigation.

A roll call vote was taken, and the committee voted to go into executive session with the following members present and voting: Mr. Stockmeister, Mrs. Harsh, Dr. Wilkinson, Mr. Bigby, Ms. Schwein, Mr. Klingbeil, and Mr. Schottenstein.

The committee entered executive session at 8:00 a.m. and returned to public session at 9:21 a.m.

PUBLIC SESSION

The Master Planning & Facilities Committee of The Ohio State University Board of Trustees re-convened in public session at 9:21 a.m.

Items for Discussion

1. Physical Environment Scorecard: Mr. Jay Kasey presented the Physical Environment Scorecard, which tracks metrics related to campus operations and safety.

[\(See Attachment X for background information, page XX\)](#)

2. Major Project Updates: Mr. Mark Conselyea, vice president for facilities operations and development, provided the standard report on all projects over \$20M. The two projects on this update that are not listed as “on target” are the Combined Heat and Power Plant (CHP) project and The James Outpatient Care project.

[\(See Attachment X for background information, page XX\)](#)

3. Resource Stewardship Update: This agenda item was moved to the August meeting due to time constraints.

[\(See Attachment X for background information, page XX\)](#)



4. Framework 3.0: Ms. Amanda Hoffsis presented the draft Framework 3.0 plan, focusing on the district level scenarios developed during workshops that occurred over the past four months. The draft plan will undergo further refinement over the summer months with the goal of presenting a final plan at the August board meeting.

[\(See Attachment X for background information, page XX\)](#)

5. Biomedical and Materials Engineering Complex (BMEC) Phase 2 and Campbell Hall Design Reviews: This agenda item was moved to the August meeting due to time constraints.

[\(See Attachment X for background information, page XX\)](#)

Items for Action

6. Approval of Minutes: No changes were requested to the February 16, 2023, meeting minutes; therefore, a formal vote was not required, and the minutes were considered approved.
7. Resolution No. 2023-114: Approval of Interim Capital Investment Plan for Fiscal Year 2024:

Synopsis: Authorization and acceptance of the Interim Capital Investment Plan for the fiscal year ending June 30, 2024, is proposed.

WHEREAS The State of Ohio Biennial Budget for State Fiscal Years 2024 and 2025, including funding levels for state institutions of higher education, is still pending in the Ohio General Assembly; and,

WHEREAS the university has not yet finalized its operating budget for Fiscal Year 2024; and

WHEREAS the Interim Capital Investment Plan will allow the university to begin or continue capital projects in support of strategic goals during the period from July 1, 2023 through August 31, 2023; and

WHEREAS the recommended capital expenditures are the result of the university's comprehensive annual capital planning process; and

WHEREAS only those projects outlined in these recommendations will be approved for funding; and

WHEREAS the final fiscal year 2024 Capital Investment Plan will be presented for consideration at the August 2023 Board of Trustees meeting:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees hereby approves the Interim Capital Investment Plan for the fiscal year ending June 30, 2024; and

BE IT FURTHER RESOLVED, That any request for authorization to proceed with any project contained in these recommendations must be submitted individually by the university for approval by the Board of Trustees, as provided for by Board policy.

8. Resolution No. 2023-115: Approval of FY24 Interim Ohio State Energy Partners Capital Plan:

Utility System Life-Cycle Renovation, Repair and Replacement Projects
Utility System Expansion and Extension Projects



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Synopsis: Approval of Ohio State Energy Partners LLC (“OSEP”) fiscal year 2024 interim capital improvements plan and authorization for OSEP to make capital improvements pursuant to the terms of the First Amended and Restated Long-Term Lease and Concession Agreement for The Ohio State University Utility System dated July 20, 2018, and as amended (the “Agreement”), is proposed.

WHEREAS the Agreement requires, OSEP to annually submit a utility system Capital Improvement Projects plan (“OSEP CIP”) for university approval; and

WHEREAS the OSEP CIP includes requested approval of these utility system capital improvement projects for the fiscal year beginning July 1, 2023; and

WHEREAS the university has not finalized its operating budget or capital investment plan for fiscal year 2024; and

WHEREAS it is necessary to begin or continue these time-sensitive utility systems projects until the fiscal year operating and capital plans are finalized and adopted; and

WHEREAS OSEP has provided detailed descriptions of the proposed capital improvement projects, supporting technical data and analysis, pursuant to Section 4.3(c) of the Agreement; and

WHEREAS the utility system capital improvement projects will be delivered pursuant to the terms of the Agreement; and

WHEREAS the capital expenditures for the approved utility system projects will be added to the utility fee pursuant to the Agreement; and

WHEREAS the university has reviewed and considered the financial, technical, and operational aspects of the projects and the projects’ alignment with university plans and sustainability goals; and

WHEREAS the Master Planning & Facilities Committee has reviewed the projects for alignment with all applicable campus plans and guidelines; and

WHEREAS the Finance & Investment Committee has reviewed the projects for alignment with the Capital Investment Plan and other applicable financial plans:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees hereby approves that the fiscal year 2024 interim OSEP CIP as outlined in the attached materials; and

BE IT FURTHER RESOLVED, That the Board of Trustees authorizes OSEP to proceed with this fiscal year 2024 capital improvements to the Utility System as outlined in the attached materials.

9. Resolution No. 2023-116: Approval to Enter Into/Increase Professional Services and Enter Into/Increase Construction Contracts:

**APPROVAL TO ENTER INTO PROFESSIONAL SERVICES AND CONSTRUCTION CONTRACTS
EAST HOSPITAL – 4TH FLOOR OR UPGRADES**

APPROVAL TO INCREASE PROFESSIONAL SERVICES CONTRACTS



WATERMAN – MULTISPECIES ANIMAL LEARNING CENTER (MALC)

APPROVAL TO INCREASE CONSTRUCTION CONTRACTS
CAMPBELL HALL RENOVATION
BIOMEDICAL AND MATERIALS ENGINEERING COMPLEX 2

Synopsis: Authorization to enter into/increase professional services and construction contracts, as detailed in the attached materials, is proposed.

WHEREAS in accordance with the attached materials, the University desires to enter into professional services contracts and enter into construction contracts for the following projects; and

	Prof. Serv. Approval Requested	Construction Approval Requested	Total Requested	
East Hospital – 4 th FI OR Upgrades	\$1.9M	\$20.4M	\$22.3M	Auxiliary Funds

WHEREAS in accordance with the attached materials, the University desires to increase professional services contracts for the following project; and

	Prof. Serv. Approval Requested	Total Requested	
Waterman – Multispecies Animal Learning Center	\$0.9M	\$0.9M	Fundraising University funds University debt

WHEREAS in accordance with the attached materials, the University desires to increase construction contracts for the following projects; and

	Construction Approval Requested	Total Requested	
Biomedical and Materials Engineering Complex Phase 2	\$76.4M	\$76.4M	Fundraising University debt State funds
Campbell Hall Renovation	\$49.0M	\$49.0M	Fundraising University funds State funds

WHEREAS the Master Planning and Facilities Committee has reviewed the projects listed above for alignment with all applicable campus plans and guidelines; and

WHEREAS the Finance Committee has reviewed the projects listed above for alignment with the Capital Investment Plan and other applicable financial plans.

NOW THEREFORE

BE IT RESOLVED, that the Board of Trustees hereby approves that the President and/or Senior Vice President for Business and Finance be authorized to enter into/increase professional services and



construction contracts for the projects listed above in accordance with established university and State of Ohio procedures, with all actions to be reported to the board at the appropriate time.

10. Resolution No. 2023-117: Approval for Purchase of Real Property:

Synopsis: Authorization to purchase property from the City of Columbus described as West Norwich Avenue between Perry Street and Tuttle Park Place, Columbus, Ohio and being approximately 0.1 acres of land.

WHEREAS at the request of the university, the City of Columbus has offered to transfer at no cost the above described street, subject to approval of the sale by the City of Columbus Council; and

WHEREAS the purchase of this property aligns the ownership with the present operating conditions:

NOW THEREFORE

BE IT RESOLVED, that the Board of Trustees hereby approves that the President and/or Senior Vice President for Business and Finance shall be authorized to take any action required to effect the purchase of the aforementioned property upon the terms outlined above and any additional terms and conditions deemed to be in the best interest of the university.

Action: Upon the motion of Dr. Wilkinson, seconded by Mr. Bigby, the committee adopted the resolutions by majority voice vote with the following members present and voting: Mr. Stockmeister, Mrs. Harsh, Dr. Wilkinson, Mr. Bigby, Ms. Schwein, Mr. Klingbeil and Mr. Schottenstein.

The committee adjourned at 9:43 a.m.

APPROVAL OF FISCAL YEAR 2024 CAPITAL INVESTMENT PLAN

Synopsis: Authorization and acceptance of the Capital Investment Plan for the fiscal year ending June 30, 2024, as proposed.

WHEREAS the university has presented the recommended capital expenditures for the fiscal year ending June 30, 2024; and

WHEREAS the recommended capital expenditures are the result of the university's comprehensive annual capital planning process; and

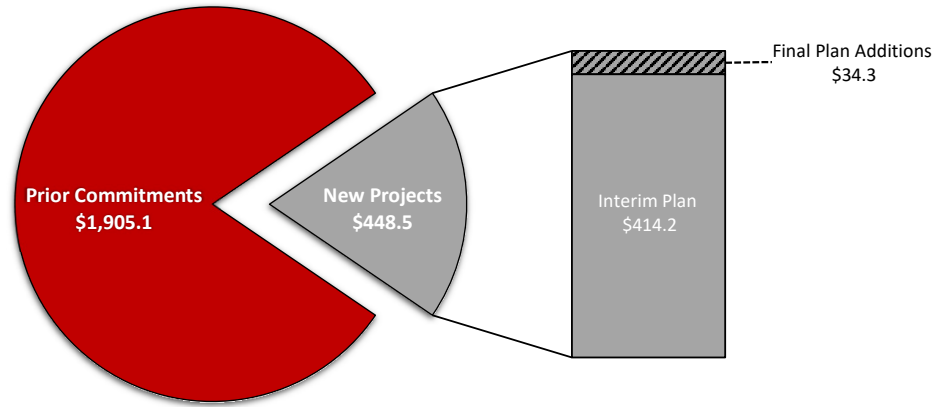
WHEREAS only those projects outlined in these recommendations will be approved for funding;

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees hereby approves the Capital Investment Plan for the fiscal year ending June 30, 2024, as described in the accompanying documents; and

BE IT FURTHER RESOLVED, That any request for authorization to proceed with any project contained in these recommendations must be submitted individually by the university for approval by the Board of Trustees, as provided for by Board policy.

FY2024-2028 Final Capital Investment Plan
08/17/2023



Total FY24 CIP: \$2,353.6

Table 1 - Prior Commitments - Remaining Spend

\$ in Millions

Line	Capital Priority	Projected Capital Expenditures					Total
		FY2024	FY2025	FY2026	FY2027	FY2028	
1	A&S - Arts District	\$ 9.9	\$ 2.1	\$ -	\$ -	\$ -	\$ 11.9
2	A&S - Celeste Lab Renovation	\$ 8.4	\$ 7.0	\$ 1.4	\$ -	\$ -	\$ 16.8
4	COE - BMEC Phase 2	\$ 11.6	\$ 50.6	\$ 19.6	\$ 1.1	\$ -	\$ 82.9
5	COE - CAR Bus Testing Facility	\$ 3.3	\$ 9.2	\$ 5.3	\$ 5.3	\$ 2.9	\$ 25.9
6	COM - Interdisciplinary Health Sciences Center	\$ 32.5	\$ 12.1	\$ 0.7	\$ -	\$ -	\$ 45.2
7	EHE - Campbell Hall Renovation	\$ 4.1	\$ 22.5	\$ 32.0	\$ 0.3	\$ -	\$ 58.8
8	ERIK - Energy Advancement and Innovation Center	\$ 11.6	\$ 2.7	\$ -	\$ -	\$ -	\$ 14.3
9	ERIK - Pelotonia Research Center	\$ 19.6	\$ 13.9	\$ -	\$ -	\$ -	\$ 33.4
10	FOD - Cannon Drive Relocation - Phase 2	\$ 15.5	\$ 27.5	\$ 10.9	\$ -	\$ -	\$ 54.0
11	FOD - Elevator Safety Repairs and Replacements	\$ 3.1	\$ 1.6	\$ -	\$ -	\$ -	\$ 4.7
12	FOD - Roof Repairs and Replacements	\$ 1.3	\$ 3.3	\$ -	\$ -	\$ -	\$ 4.6
13	LIB - Library Book Depository Phase 3	\$ 3.5	\$ 0.7	\$ -	\$ -	\$ -	\$ 4.2
14	Newark - Founders Hall Enhancements	\$ 3.0	\$ 19.4	\$ 1.1	\$ -	\$ -	\$ 23.4
15	Nursing - Jane E Heminger Hall and Newton Renovation	\$ 5.3	\$ 0.3	\$ -	\$ -	\$ -	\$ 5.6
16	Vet Med - Equine Arena	\$ 3.2	\$ 6.1	\$ -	\$ -	\$ -	\$ 9.2
18	WMC - Inpatient Hospital	\$ 402.0	\$ 299.7	\$ 141.5	\$ 68.5	\$ -	\$ 911.7
19	WMC - James Outpatient Care	\$ 41.7	\$ 32.4	\$ 2.6	\$ -	\$ -	\$ 76.7
20	WMC - Loading Dock Expansion and Renovation	\$ 8.2	\$ 6.1	\$ 0.4	\$ -	\$ -	\$ 14.6
22	WMC - Martha Morehouse Facility Improvements	\$ 10.4	\$ 8.4	\$ -	\$ -	\$ -	\$ 18.7
23	WMC - Outpatient Care New Albany	\$ 3.3	\$ -	\$ 1.9	\$ -	\$ -	\$ 5.2
24	WMC - Outpatient Care Powell	\$ 2.8	\$ 1.3	\$ 7.6	\$ 7.2	\$ 1.0	\$ 19.9
25	Wooster - Fisher Auditorium Renovation	\$ 0.4	\$ 4.1	\$ 3.5	\$ -	\$ -	\$ 8.0
26	Roll Up Other Projects	\$ 227.9	\$ 155.3	\$ 65.8	\$ 5.7	\$ 0.4	\$ 455.2
27	Subtotal	\$ 832.5	\$ 685.9	\$ 294.3	\$ 88.1	\$ 4.3	\$ 1,905.1

FY2024-2028 Final Capital Investment Plan
08/17/2023

Table 2 - New Projects Beginning in FY2024

\$ in Millions

Line	Capital Priority	Projected Capital Expenditures					Total
		FY2024	FY2025	FY2026	FY2027	FY2028	
1	Anticipated Spend for CIP Changes	\$ 10.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 10.0
2	Roll up of Small Infrastructure RDM Projects	\$ 15.3	\$ 14.4	\$ 8.5	\$ 2.5	\$ 4.8	\$ 45.6
3	Small Programmatic Cash Ready	\$ 12.2	\$ 20.1	\$ 10.0	\$ 0.7	\$ 0.0	\$ 43.1
4	WMC - Roll up of Multiple Cash Ready	\$ 197.7	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 197.7
5	New Major Projects						
6	A&S - Biological Sciences Building Upgrades	\$ 0.4	\$ 2.4	\$ 5.3	\$ 4.7	\$ 2.3	\$ 15.0
7	A&S - Department of Economics Relocation	\$ 0.8	\$ 3.1	\$ 3.5	\$ 2.3	\$ 0.3	\$ 10.0
8	CFAES - Multispecies Animal Learning Center - Waterman	\$ 4.2	\$ 15.3	\$ 17.4	\$ 11.2	\$ 1.7	\$ 49.8
9	ERIK - Battery Cell Research and Demonstration Center	\$ 1.2	\$ 4.9	\$ 7.0	\$ 5.3	\$ 1.7	\$ 20.0
10	VET - VMC PET/CT Space Renovation	\$ 1.3	\$ 3.6	\$ 1.6	\$ 0.0	\$ 0.0	\$ 6.5
11	WMC - Inpatient Hospital Endo/Bronch/Admin Suite Unshelling	\$ 8.0	\$ 18.0	\$ 1.0	\$ 0.0	\$ 0.0	\$ 27.0
12	WMC - James Cellular Therapy Lab	\$ 1.3	\$ 3.8	\$ 1.7	\$ 0.0	\$ 0.0	\$ 6.8
13	WMC - James Outpatient Care Buildout	\$ 1.3	\$ 3.8	\$ 1.7	\$ 0.0	\$ 0.0	\$ 6.8
14	WMC - Magnetic Resonance Linear Accelerator & Housing	\$ 0.9	\$ 3.2	\$ 3.6	\$ 2.3	\$ 0.3	\$ 10.3
15	Grand Total	\$ 254.6	\$ 92.6	\$ 61.3	\$ 28.9	\$ 11.1	\$ 448.5

Table 3 - New Projects by Funding Source and Deferred Maintenance

Line	Unit	Funding Source						Grand Total	% By Unit	Def. Maint.	
		Local	State	Fundraising	Grant	Partnership & Other	University Debt			Addressed	Def Maint. %
1	Academic Support	\$ 71.4	\$ 10.0	\$ 19.0	\$ 4.8	\$ 16.0	\$ 15.2	\$ 136.4	30%	\$ 24.7	18%
2	Athletics	\$ 14.3	\$ 0.0	\$ 2.7	\$ 0.0	\$ 0.0	\$ 0.0	\$ 17.0	4%	\$ 4.7	28%
3	Infrastructure	\$ 13.4	\$ 0.0	\$ 0.0	\$ 8.1	\$ 0.5	\$ 7.5	\$ 29.4	7%	\$ 25.0	85%
4	Regional Campuses	\$ 0.2	\$ 0.0	\$ 0.0	\$ 0.0	\$ 2.5	\$ 0.0	\$ 2.6	0.6%	\$ 1.4	54%
5	Student Life	\$ 14.5	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 14.5	3%	\$ 12.0	83%
6	Wexner Medical Center	\$ 248.6	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 248.6	55%	\$ 35.0	14%
7	Grand Total	\$ 362.3	\$ 10.0	\$ 21.7	\$ 12.9	\$ 18.9	\$ 22.7	\$ 448.5	100%	\$ 102.8	23%

**APPROVAL TO ENTER INTO/INCREASE PROFESSIONAL SERVICES
AND ENTER INTO CONSTRUCTION CONTRACTS**

**APPROVAL TO ENTER INTO PROFESSIONAL SERVICES CONTRACTS
BATTERY CELL RESEARCH & DEMONSTRATION CENTER**

**APPROVAL TO ENTER INTO/INCREASE PROFESSIONAL SERVICES AND CONSTRUCTION CONTRACTS
AIRPORT - TAXIWAY A REHABILITATION
DEPARTMENT OF ECONOMICS RELOCATION
WATERMAN - MULTI-SPECIES ANIMAL LEARNING CENTER (MALC)**

Synopsis: Authorization to enter into/increase professional services and construction contracts, as detailed in the attached materials, is proposed.

WHEREAS in accordance with the attached materials, the University desires to enter into professional services contracts for the following project; and

	Prof. Serv. Approval Requested	Total Requested	
Battery Cell Research & Demonstration Center	\$2.3M	\$2.3M	Grant funds (NIST) Partner funds

WHEREAS in accordance with the attached materials, the University desires to enter into/increase professional services contracts and enter into construction contracts for the following projects; and

	Prof. Serv. Approval Requested	Construction Approval Requested	Total Requested	
Airport - Taxiway A Rehabilitation	\$1.0M	\$3.5M	\$4.5M	University funds Grant funds (ODOT & FAA)
Department of Economics Relocation	\$1.1M	\$0.7M	\$1.8M	University funds
Waterman - Multi-Species Animal Learning Center (MALC)	\$1.9M	\$47.0M	\$48.9M	University debt University funds Fundraising State funds

**APPROVAL TO ENTER INTO/INCREASE PROFESSIONAL SERVICES
AND ENTER INTO CONSTRUCTION CONTRACTS (CONT)**

WHEREAS the Master Planning and Facilities Committee has reviewed the projects listed above for alignment with all applicable campus plans and guidelines; and

WHEREAS the Finance Committee has reviewed the projects listed above for alignment with the Capital Investment Plan and other applicable financial plans.

NOW THEREFORE

BE IT RESOLVED, that the Board of Trustees hereby approves that the President and/or Senior Vice President for Business and Finance be authorized to enter into/increase professional services and construction contracts for the projects listed above in accordance with established university and State of Ohio procedures, with all actions to be reported to the board at the appropriate time.

Project Data Sheet for Board of Trustees Approval

Battery Cell Research & Demonstration Center

OSU-230897 (REQ ID# RCH230011)

Project Location: 1305 Kinnear Road

- **Approval Requested and Amount**

Professional services	\$2.3M
Total requested	\$2.3M

- **Project Budget**

Professional services	\$2.3M
Construction w/contingency	\$17.7M
Total project budget	\$20.0M

- **Project Funding**

Grant funds (NIST), partner funds

- **Project Schedule**

BoT professional services approval	08/23
Design	10/23 – 03/24
BoT construction approval	11/23
Construction	04/24 – 03/25
Facility opening	04/25

- **Project Delivery Method**

Construction Manager at Risk

- **Planning Framework**

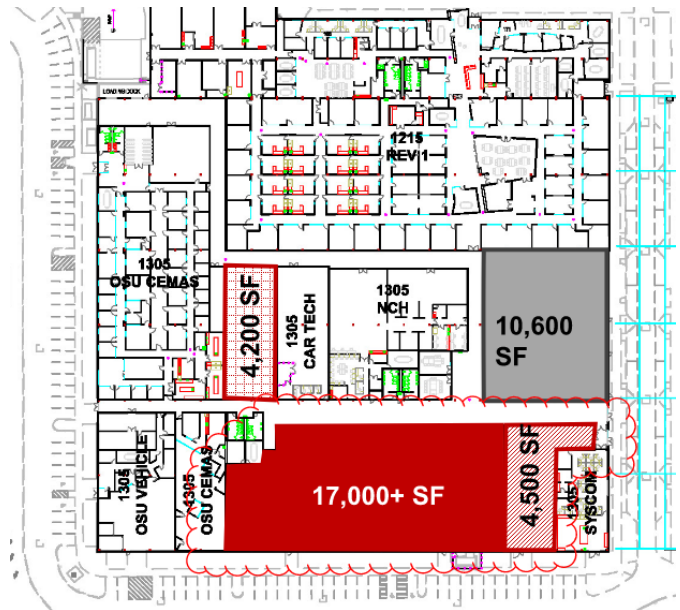
- This project is included in the FY24 Capital Investment Plan.
- The project scope is consistent with the vision of Kinnear Road as a materials, manufacturing and mobility corridor.

- **Project Scope**

- The project will renovate 25,560 square foot of warehouse space at the 1305 Kinnear Road facility into a dedicated battery cell research, production, and support space for the Institute for Materials Research.
- When complete, the lab will accelerate the domestic development of battery cell materials and manufacturing technologies while providing an experiential learning setting for advanced battery technology workforce development.
- The completed project will also create a hub for academic and industry connections across chemical and physical sciences, engineering, business, and policy.

- **Approval Requested**

- Approval is requested to enter into professional services contracts.



- **project team**

University project manager:	Flaherty, Brendan
AE/design architect:	TBD
CM at Risk or Design Builder:	TBD

Project Data Sheet for Board of Trustees Approval

Airport - Taxiway A Rehabilitation

OSU-220282 (REQ ID# ENG22APT0048)

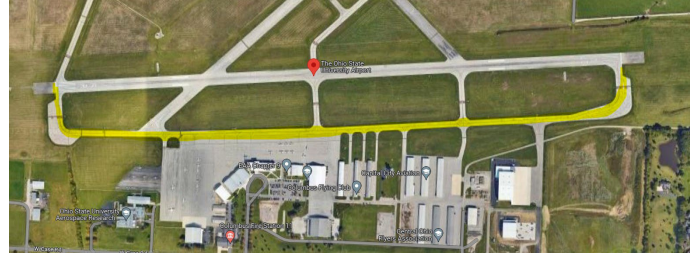
Project Location: 2160 W. Case Road

- **Approval Requested and Amount**

Professional services	\$1.0M
Construction w/contingency	\$3.5M
<hr/>	
Total requested	\$4.5M

- **Project Budget**

Professional services	\$1.0M
Construction w/contingency	\$3.5M
<hr/>	
Total project budget	\$4.5M



- **Project Funding**

University funds, grant funds (ODOT & FAA)

- **Project Schedule**

BoT professional services approval	08/23
Design	05/22 – 05/23
BoT construction approval	08/23
Construction	10/23 – 09/24
Facility opening	10/24

- **Project Delivery Method**

General contracting

- **Planning Framework**

- This project is included in the FY23 and FY24 Capital Investment Plans and is consistent with the 2022 Airport Master Plan.

- **Project Scope**

- The project will reconstruct the pavement on Taxiway A for better stability and longer life.

- **Approval Requested**

- Approval is requested to enter into professional services and construction contracts.

- **project team**

University project manager:	Hyde, Carrie
AE/design architect:	RDM International, Inc.
CM at Risk or Design Builder:	Shelly and Sands, Inc.

Project Data Sheet for Board of Trustees Approval

Department of Economics Relocation

OSU-230838 (REQ ID# CAS220009)

Project Location: Bricker Hall (001)

- **Approval Requested and Amount**

Professional services	\$1.1M
Construction w/contingency	\$0.7M
Total requested	\$1.8M

- **Project Budget**

Professional services	\$1.9M
Construction w/contingency	\$8.1M
Total project budget	\$10.0M

- **Project Funding**

University funds

- **Project Schedule**

BoT professional services approval	08/23
Design	09/23 – 07/24
BoT construction approval (enabling)	08/23
BoT construction approval	05/24
Construction	01/24 – 05/25
Facility opening	06/25

- **Project Delivery Method**

Construction Manager at Risk

- **Planning Framework**

- This project is included in the FY 2024 Capital Investment Plan.
- The project scope is based on a study completed in October 2022 for the backfill of Bricker Hall.

- **Project Scope**

- This project will relocate the department of Economics from Arps Hall into a portion of the second floor and the entire third floor of Bricker Hall.
- The renovation will include computational laboratory spaces, faculty offices, conference rooms, as well as upgrades to supporting and common spaces.
- This request includes funds for enabling work in advance of full construction.

- **Approval Requested**

- Approval is requested to enter into professional services and construction contracts.



- **project team**

University project manager: Munger, Steve
AE/design architect: TBD
CM at Risk or Design Builder: TBD

Project Data Sheet for Board of Trustees Approval

Waterman - Multi-Species Animal Learning Center (MALC)

OSU-180048 (REQ ID# FAES22CO0001)

Project Location: Waterman Laboratory - Multispecies Animal Learning Center (1321)

- **Approval Requested and Amount**

Professional Services	\$1.9M
Construction w/contingency	\$47.0M
Total requested	\$48.9M

- **Project Budget**

Professional services	\$5M
Construction w/contingency	\$47M
Total project budget	\$52M



- **Project Funding**

University debt, university funds, fundraising, state funds

- **Project Schedule**

BoT professional services approval	08/17
Design	08/22 – 11/23
BoT construction approval	8/23
Construction	01/24 – 07/25
Facility opening	10/25

- **Project Delivery Method**

Construction manager at risk

- **Planning Framework**

- This project is included in the FY18 and FY23 Capital Investment Plans.

- **Project Scope**

- The project will consist of an interconnected series of barns housing different species which include swine, equine, poultry and others. The facility will include an arena, wet labs, classrooms, storage areas and public viewing areas. MALC will replace aging storm and animal waste management infrastructure as well as provide new gas, electric and water utilities to the project site.
- The MALC will allow the college to eliminate multiple logistical constraints associated with transporting undergraduate students off campus for coursework, instead allowing animals to be brought to the facility for teaching purposes.

- **Approval Requested**

- Approval is requested to increase professional services contracts and enter into construction contracts.

- **project team**

University project manager:	Munger, Steve
AE/design architect:	Wellogy
CM at Risk or Design Builder:	Corna Kokosing (CK)

APPROVAL OF FRAMEWORK 3.0

SYNOPSIS: Authorization is requested to approve Framework 3.0, an update to the university's master plan, including planning principles, recommendations, and the vision for the Columbus campus.

WHEREAS Framework 3.0 builds upon the strong foundation of the previous Framework plans by reinforcing and refining previous planning ideas while establishing near and long-term concepts that strengthen the physical campus in support of academic and research excellence; and,

WHEREAS the university began the planning process by completing a comprehensive assessment of existing space across campus to understand utilization and programmatic needs; and,

WHEREAS the space assessment indicated a need for additional classrooms, class laboratories, research laboratories, and amenity spaces which enhance the student and faculty experience; and,

WHEREAS robust engagement with faculty, staff and students was instrumental in developing a flexible vision for both near and long term development of campus anchored by the planning principles of stewardship, connectivity, experience and community; and

WHEREAS Framework 3.0 incorporates parallel planning efforts for Student Life facilities, the Wexner Medical Center and Carmenton: and,

WHEREAS Framework 3.0 will replace the previous Framework Plan that the Board of Trustees adopted in 2017; and,

WHEREAS Framework 3.0 lives alongside the strategic and capital plans of the university to create a shared vision for development while enabling the university to revise and re-envision as future conditions warrant:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees hereby adopts Framework 3.0 as the guiding vision for the physical environment and directs the appropriate university offices to proceed with planning consistent with the Framework principles and long-term vision.

APPROVAL TO ENTER INTO A JOINT USE AGREEMENT

**BETWEEN THE OHIO STATE UNIVERSITY
AND OHIO MANUFACTURING AND INNOVATION CENTER**

Synopsis: Authorization to enter into a Joint Use Agreement (JUA) with the Ohio Manufacturing and Innovation Center (OMIC), an Ohio non-profit agency, to document the value and permit the release of funds appropriated in the State Capital Bill to expand the existing facility.

WHEREAS The Ohio State University was allocated \$500,000 in the 2023-2024 State Capital Bill that was specifically designated for use by OMIC; and

WHEREAS the OMIC will utilize the funds to partially fund design and construction of capital improvements to an existing facility, upgrading and renovating the existing structure to facilitate OMIC's mission of addressing known gaps in the Ohio technology development cycle; and

WHEREAS OMIC commits to making the facilities available for the university's use; and

WHEREAS the terms and conditions for this university use shall be more favorable than the terms and conditions of use by any other entity to a degree that reasonably reflects the magnitude of the university's investment in the OMIC facilities for the term of the agreement; and

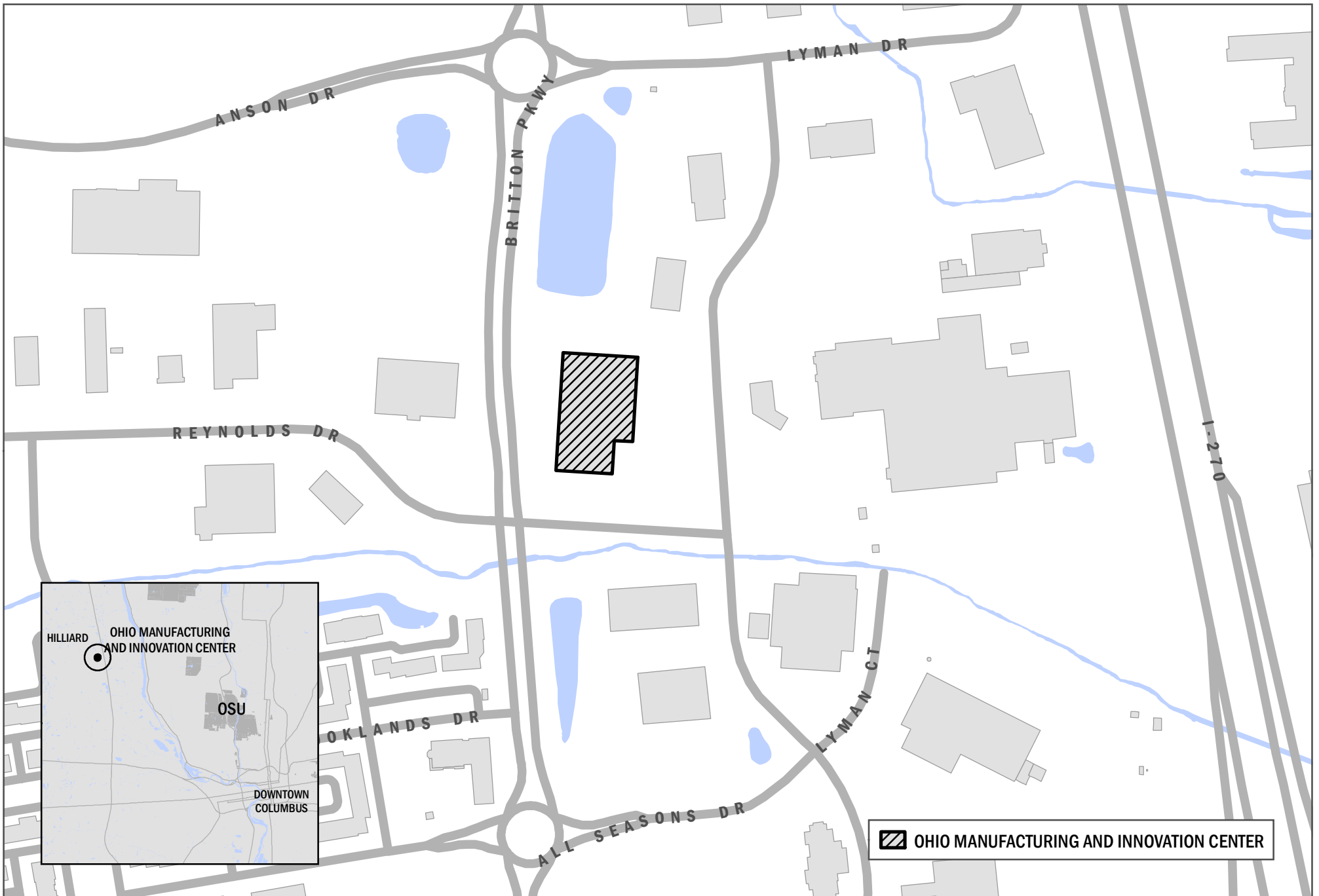
WHEREAS except for the funds used to cover the university's reasonable administrative costs related to the project, the funds provided under this JUA shall be used by OMIC only for capital improvements or purchases and shall not be used for operating expenses; and

WHEREAS the university's use of OMIC space will further the University's mission to conduct groundbreaking research, provide unique active learning environments to students, and promote technological development and commercialization; and

WHEREAS before the state capital appropriation may be released to OMIC, the Ohio Department of Higher Education requires that a JUA between the university and the OMIC be signed to document the value of the appropriation to Ohio State and to ensure the benefits to the university will continue for a minimum period of 20 years:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees hereby approves that the President and/or Senior Vice President for Business and Finance and/or Administration and Planning be authorized to take any action required to effect this Joint Use Agreement containing terms and conditions deemed to be in the best interest of the university.



JOINT USE AGREEMENT BETWEEN
THE OHIO STATE UNIVERSITY AND OHIO MANUFACTURING AND INNOVATION CENTER
4261 LYMAN DRIVE
HILLIARD, OHIO 43026

APPROVAL TO ENTER INTO A JOINT USE AGREEMENT

BETWEEN THE OHIO STATE UNIVERSITY AND THE CITY OF UPPER ARLINGTON

Synopsis: Authorization to enter into a Joint Use Agreement (JUA) with the City of Upper Arlington, an Ohio municipal corporation, to document the value and permit the release of funds appropriated in the State Capital Bill to construct a new facility; and

WHEREAS The Ohio State University was allocated \$450,000 in the 2023-2024 State Capital Bill that was specifically designated for use by the City of Upper Arlington; and

WHEREAS the City of Upper Arlington will utilize the funds to partially fund design and construction of the Upper Arlington Community Center to improve health and wellness opportunities in Central Ohio; and

WHEREAS the City of Upper Arlington commits to making the facilities available for the university's use; and

WHEREAS the terms and conditions for this university use shall be more favorable than the terms and conditions of use by any other entity to a degree that reasonably reflects the magnitude of the university's investment in the facilities for the term of the agreement; and

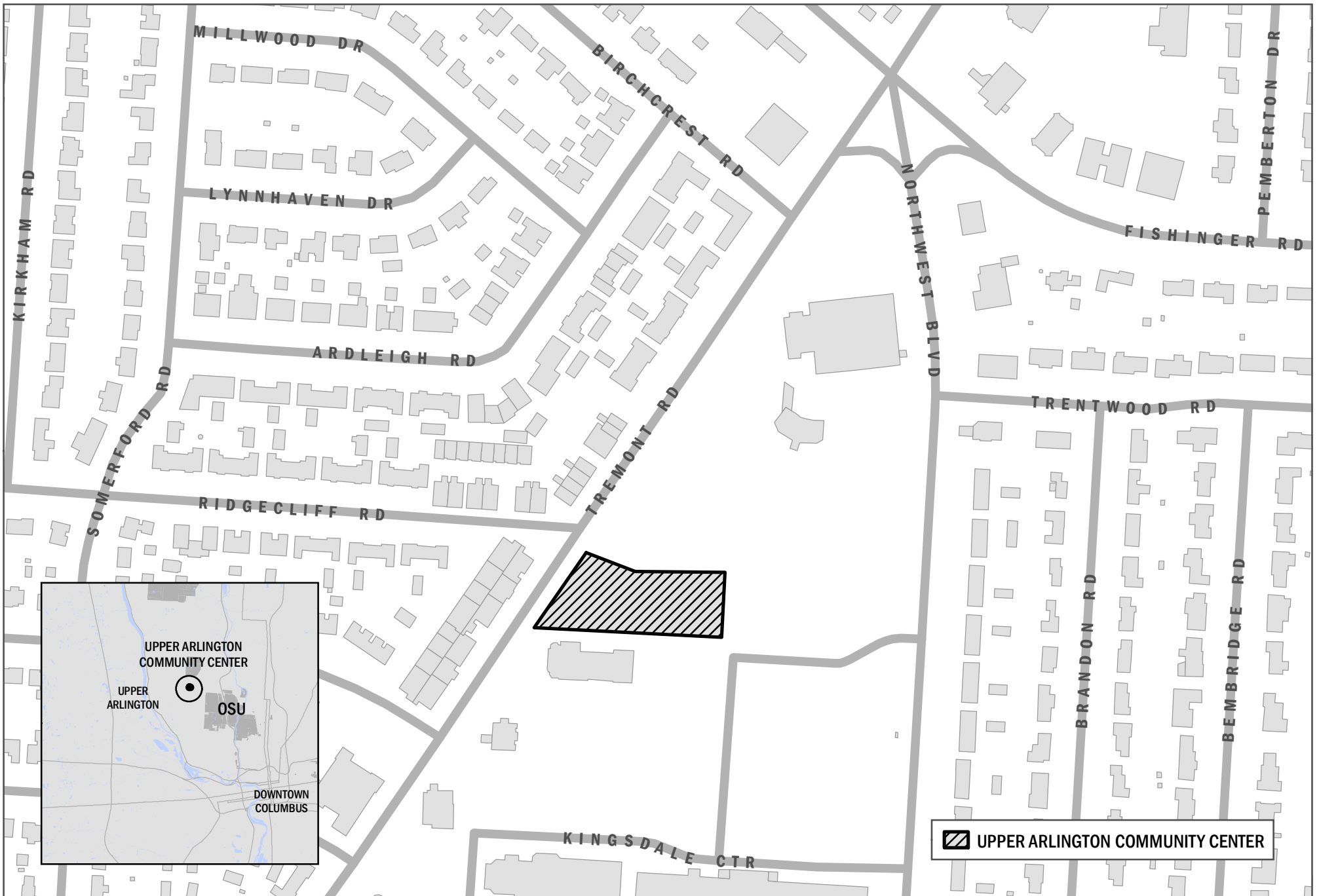
WHEREAS except for the funds used to cover the university's reasonable administrative costs related to the project, the funds provided under this JUA shall be used by the City of Upper Arlington only for capital improvements or purchases and shall not be used for operating expenses; and

WHEREAS the university's use of the Community Center will promote the University's mission to improve health, wellness, and opportunity in Ohio through accessibility, innovation, and clinical excellence through our statewide network of facilities, personnel, and partnerships; and

WHEREAS before the state capital appropriation may be released to the City of Upper Arlington, the Ohio Department of Higher Education requires that a JUA between the university and the City of Upper Arlington be signed to document the value of the appropriation to the university and to ensure the benefits to the university will continue for a minimum period of 20 years:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees hereby approves that the President and/or Senior Vice President for Business and Finance and/or Administration and Planning be authorized to take any action required to effect this Joint Use Agreement containing terms and conditions deemed to be in the best interest of the university.



JOINT USE AGREEMENT BETWEEN
THE OHIO STATE UNIVERSITY AND UPPER ARLINGTON COMMUNITY CENTER
 3200 TREMONT ROAD
 UPPER ARLINGTON, OHIO 43221

Prepared By: The Ohio State University
 Facilities Information and Technology Services (FITS)
 Issue Date: July 21, 2023
 The Ohio State University Board of Trustees