

Lessons Learned: Design Build

Panelists:

Tony Schorr, Schorr Architects

Kevin Wise, Regency Construction

Carrie Yost, Ohio Department of Transportation

Barbara Shergalis, Bowling Green State University

Moderator: Ned Thiell, Program Manager, OFCC

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Bowling Green State University

Barbara Shergalis

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EXTERIOR LEGEND

- BEIGE BRICK
- BEIGE CLAPBOARD SIDING
- BEIGE BRICK BASE
- RED BRICK
- CHARCOAL CLAPBOARD SIDING
- RED BRICK BASE



SITE PLAN





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Questions?

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Business Opportunities: Upcoming Projects

Carrie Yost, Ohio Department of Transportation

Faye Bodyke, The Ohio State University

Dick Planisek, Ohio University

Barbara Shergalis, Bowling Green State University

Craig Weise, OFCC

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OHIO DEPARTMENT OF TRANSPORTATION

JOHN R. KASICH, GOVERNOR

JERRY WRAY, DIRECTOR

Business Opportunities Upcoming 'Vertical' Projects

Carrie Yost

Administrator of Statewide Facilities Operations
Division of Facilities and Equipment Management

OFCC Conference 2016

Building Facility Portfolio

⦿ Encompasses:

- ⦿ Over 350 Sites
- ⦿ Over 1,600 Buildings
- ⦿ Hundreds of other assets
- ⦿ 7 million square feet under roof



Building Facility Portfolio

- 🕒 13 Headquarter Complexes
- 🕒 Over 100 Full Service Maintenance Facilities
- 🕒 Over 130 County Outpost and Yard Facilities
- 🕒 Over 90 Rest Areas
- 🕒 19 Weigh stations (Ohio Department of Public Safety)
- 🕒 Numerous Support Buildings & Accessories



Facilities Master Planning

- ④ ODOT has developed a long term plan to build facilities based on operational requirements while incorporating expected life-cycle needs.
- ④ ODOT's current replacement construction program for individual buildings or complete complexes is/shall address deficient and antiquated building facilities.



Facilities Master Planning

Factors:

Location

- Service Area
- Operational Needs
- Environmental Aspects

Function

- Need based assessment

Scenario Planning

- Facility Type



Operational Facility Types

- ④ **Full-Service Maintenance** – manned facility providing full equipment maintenance services.
- ④ **Outpost** – minimally manned facility (full-time or seasonal) not providing full equipment maintenance services.
- ④ **Yard** – unmanned facility housing one or more support structures (i.e. salt storage, equipment storage, calcium/brine storage, fuel, etc.)



Full Service Maintenance



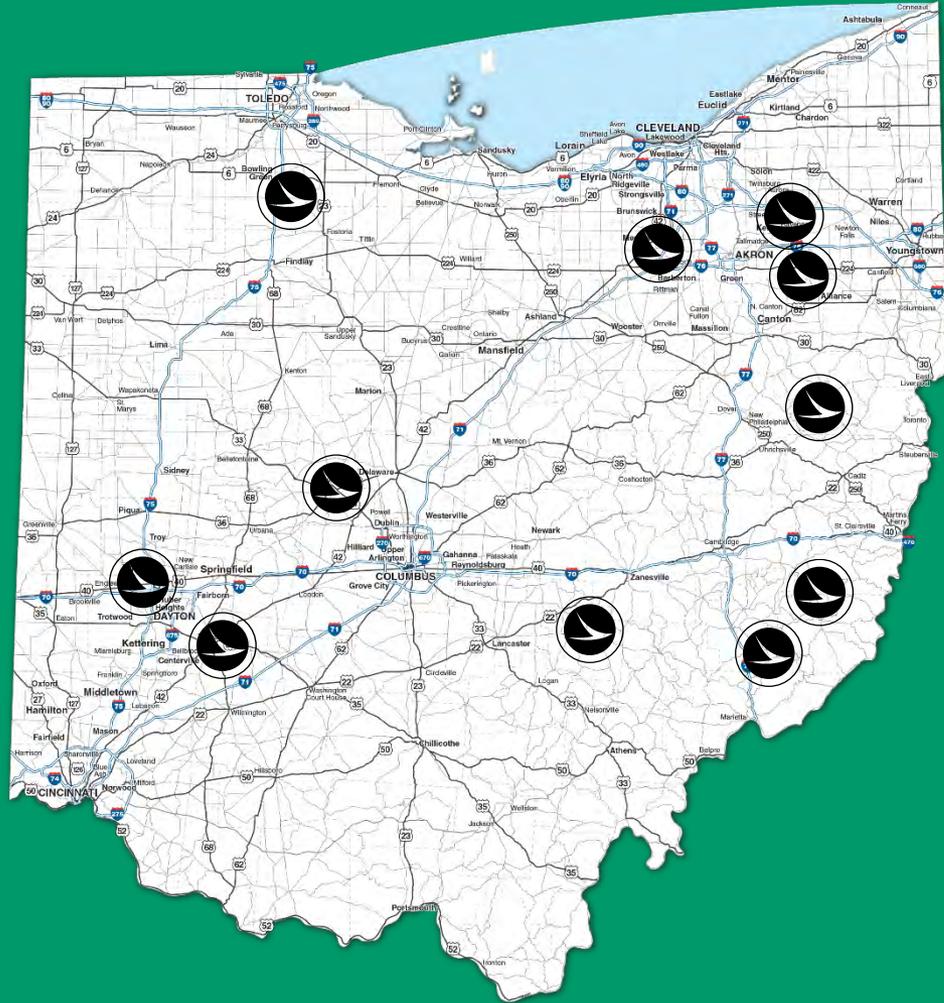
Fiscal Yrs 2017/2018 Projects

☉ Full Service Facilities:

- ☉ **Medina** County
- ☉ **Portage** County
- ☉ **Perry** County
- ☉ **Union** County
- ☉ **Montgomery** County
- ☉ **Greene** County
- ☉ **Washington** County
- ☉ **Monroe** County
- ☉ **Carroll** County

☉ Outpost Facilities:

- ☉ **Wood** County
- ☉ **Stark** County



Rest Area Facilities

- ④ Interstate and State Highway locations that offer various levels of service to the motoring public.
- ④ Janitorial Services - Local Community Rehabilitation Program (CRP)
- ④ Vending Services – Bureau for Services to the Visually Impaired (BSVI)



Rest Area Facilities



Fiscal Yrs 2017/2018 Projects

Rest Areas:

Wood County

Prototype Building

Preble County

Warren County

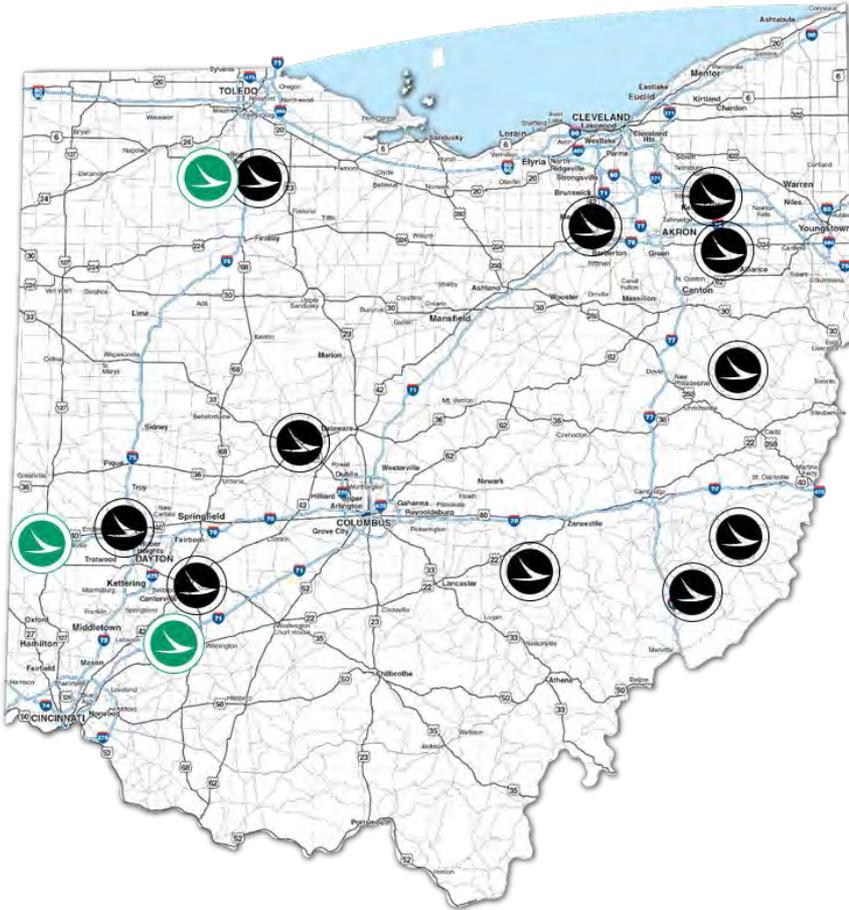




OHIO DEPARTMENT OF TRANSPORTATION

JOHN R. KASICH, GOVERNOR

JERRY WRAY, DIRECTOR



Any Questions?

Thank you

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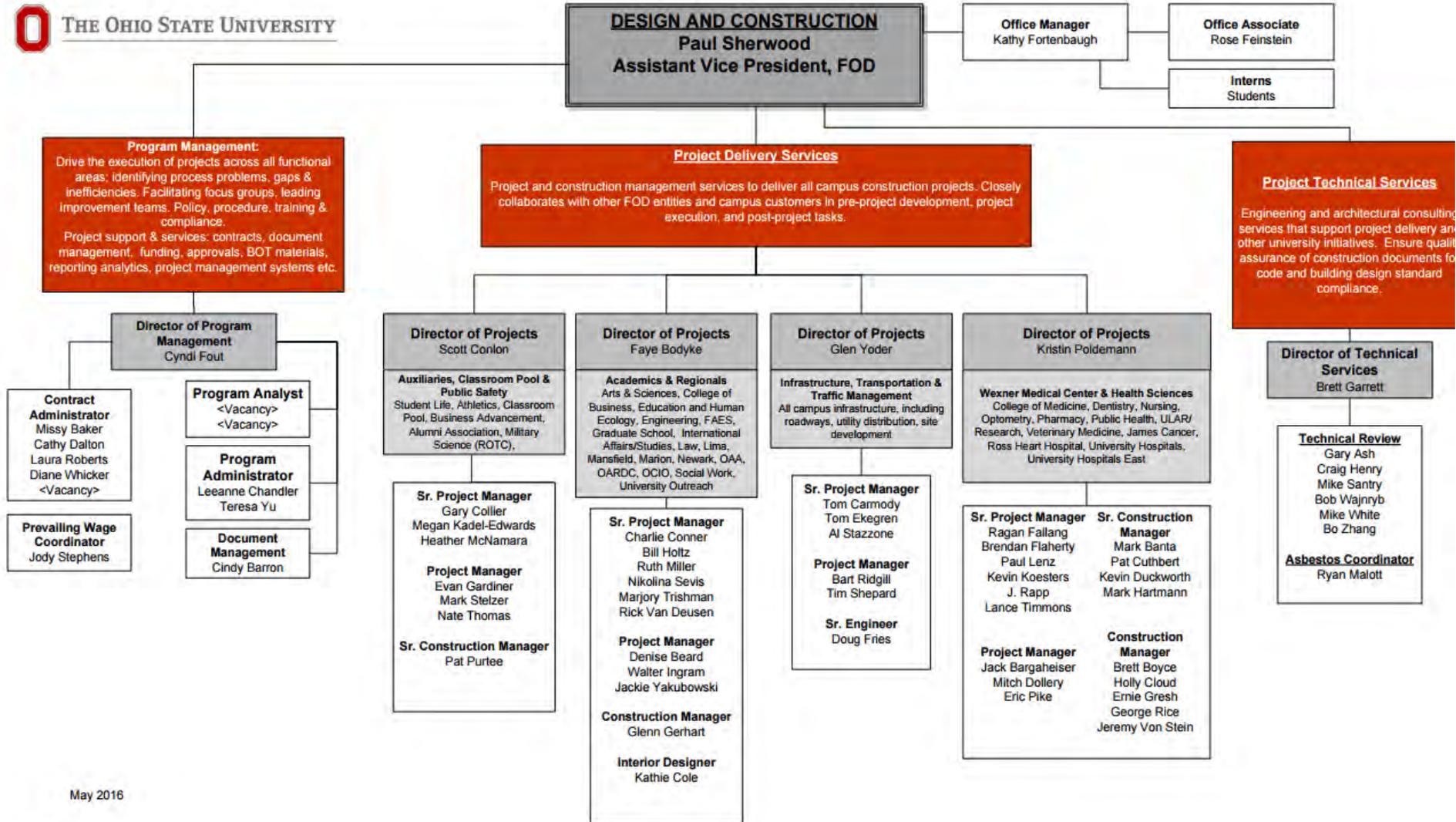


THE OHIO STATE UNIVERSITY

The Ohio State University Business Opportunities



- Org Chart
- Project Information
- Questions





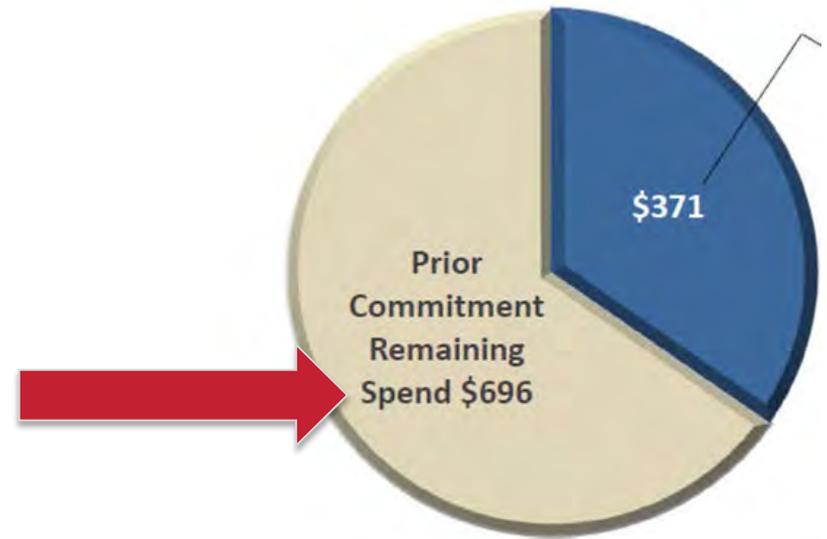
FY2017-21 Capital Investment Plan

(\$ Millions)





Prior Commitments



Line

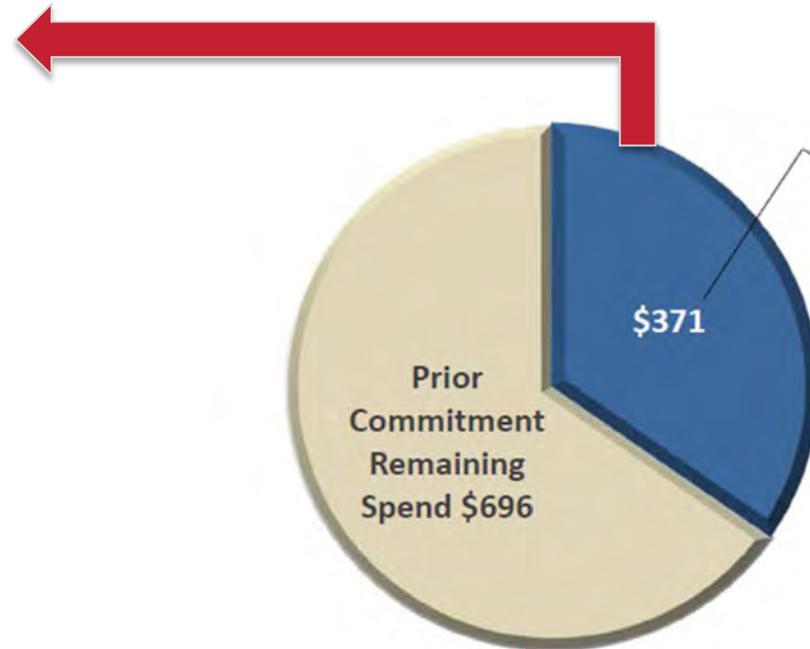
Capital Priority

- 1 North Residential District Transformation
- 2 East Regional Chilled Water Plant
- 3 WMC - Jameson Crane Sports Med Institute
- 4 Pomerene and Oxley Renovations
- 5 Vet Hospital Enhancement and Expansion
- 6 Athletics - Student-Ath Development Ctr
- 7 Athletics - Covelli Multi-Sport Arena
- 8 Schott Concourse Reno & New Office Const
- 9 330 W 10th Brain and Spine
- 10 School of Music-Weigel/Hughes Renovation
- 11 Cannon Drive Relocation - Phase I



Line	Capital Priority
1	Small Programmatic Cash-Ready Projects
2	Anticipated Spend for CIP Additions/Changes
3	WMC - Roll-up of Multiple Cash Ready Projects
4	Roll-up of Small Infrastructure/RDM Projects
5	Cannon Drive Transportation Enabling
6	Koffolt/Fontana Renovation (design only)
7	Postle Hall Replacement (design only)
8	Franklin County Extension Office (design only)
9	Food Security Complex (design only)
10	Wooster - Swine Teach/Research (design only)
11	Vet Med Simulation Lab (design only)
12	Wrestling Practice Facility (design only)
13	Airport Enhancements (construction)
14	Airport Hangers (construction)
15	Optometry Clinic Entrance Remodel
16	Ohio Stadium Projects Bundle
17	Wooster - Thorne Infrastructure Enabler
18	Wooster - Fisher Renovation
19	WMC - James Floors 10 &12 Build-Out

New Projects





-  Design – Bid – Build (General Contractor)
-  Design Build
-  Construction Manager at Risk
-  Design Build – Comp GMP

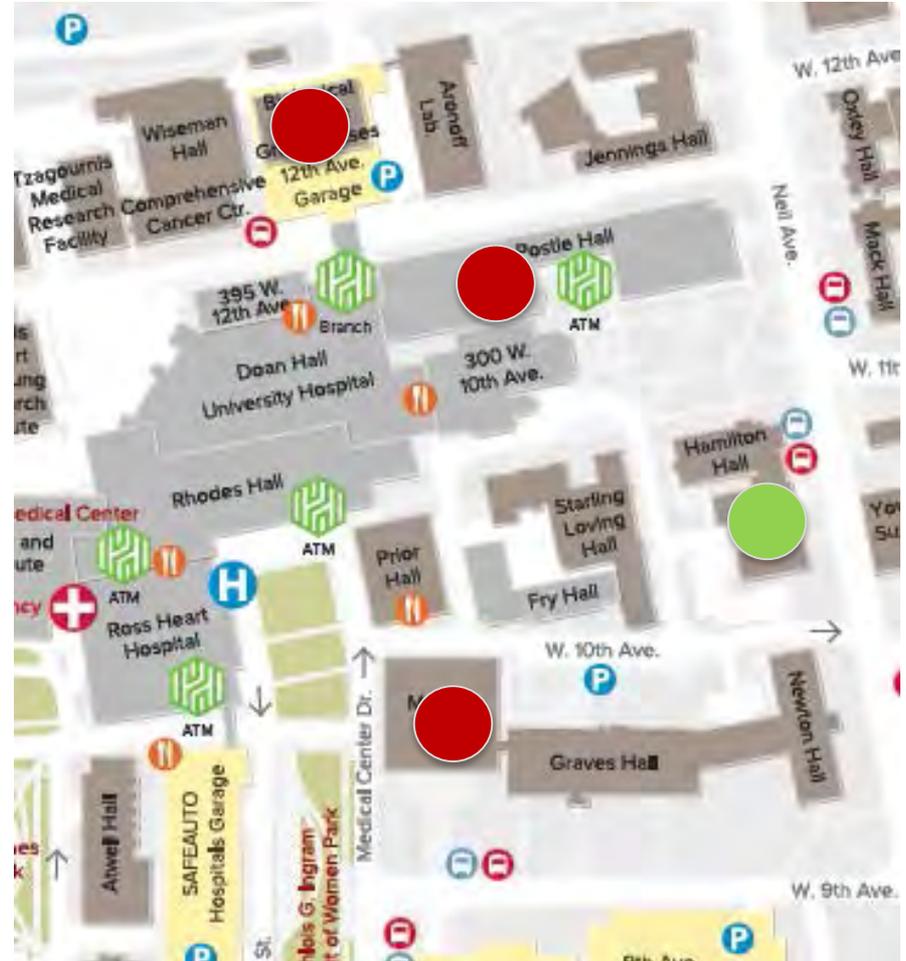


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Infrastructure and FOD Projects



- **Building Envelope Renv. \$3.2M**
 - 12th Avenue Garage
 - Greenhouse
- **Electrical System Replacement \$1.6M**
 - Orton and Meiling
- **Emergency Generator Rplc \$200K**
 - Postle Hall
- **HVAC Renovation \$7.2M**
 - Health Sciences
- **Plumbing \$2.6M**
 - Postle Hall





Road and Bridge Improvements \$640K

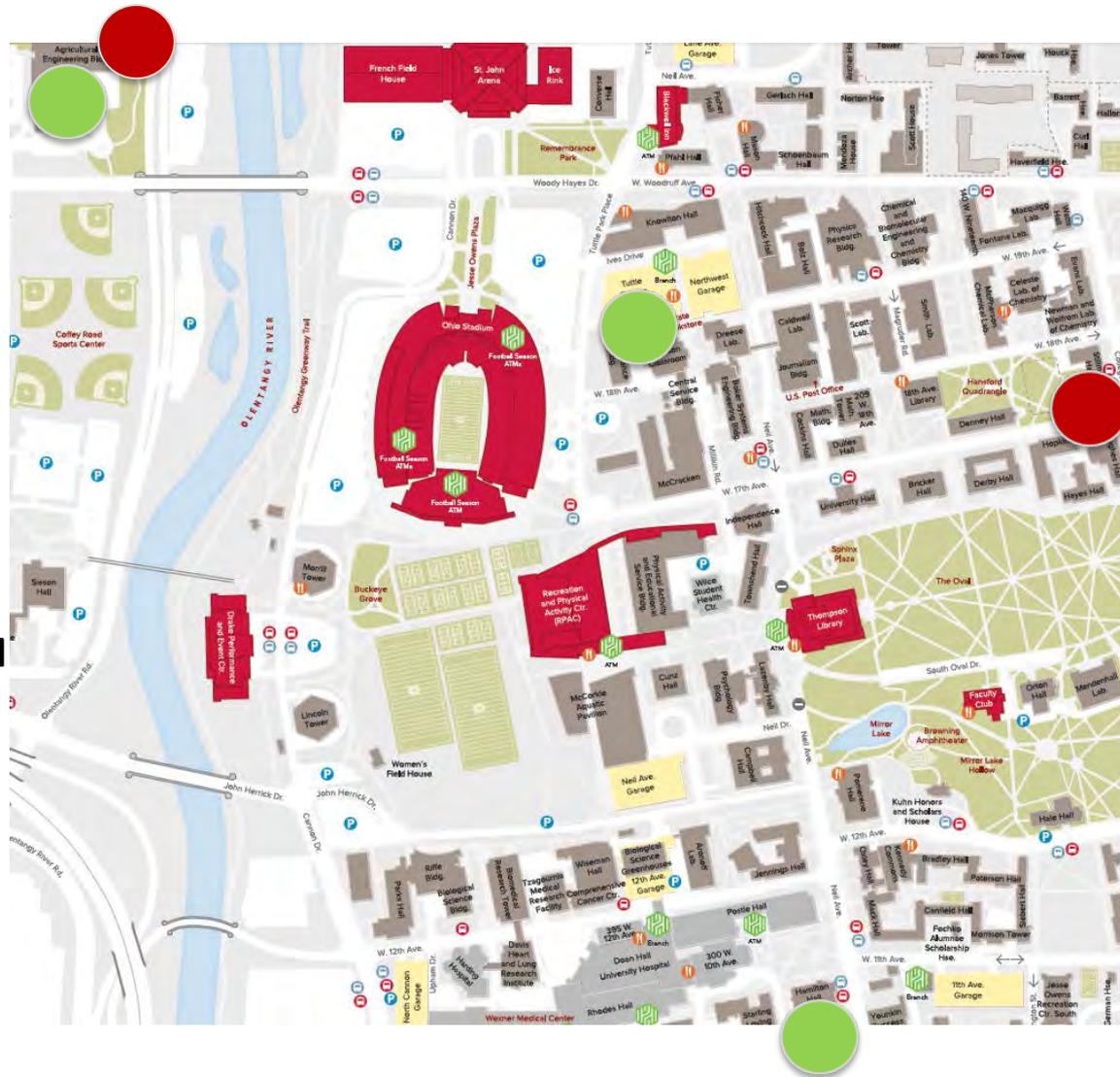
- TBD

Roof Replacements \$4.75M

- Hamilton
- Agriculture Engineering
- Enarson
- 1100 Kinnear
- Pressey

Fire Systems Replacement \$3.455M

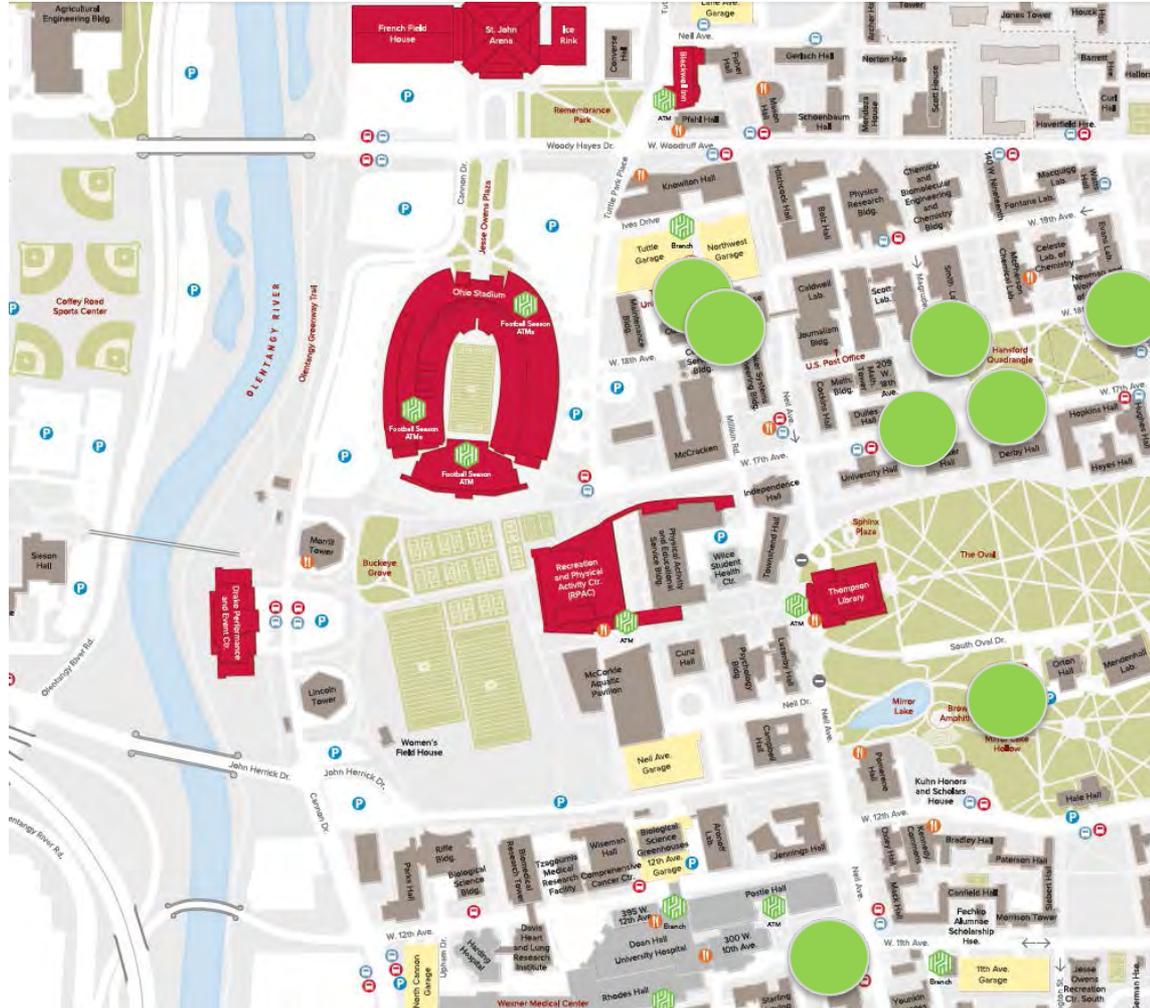
- Starling Loving
- Agriculture Engineering
- Electroscience
- Hughes
- Plumb
- Rightmire
- Stores and Receiving





Elevator Replacements \$4.015M

- Faculty Club
- Animal Sciences
- Bricker Hall
- Derby Hall
- 33 West 11th
- Enarson Hall
- Hamilton Hall
- Hayes Hall
- Howlett Hall
- Pressey Hall
- 18th Avenue Library
- Stillman Hall
- Veterinary Hospital





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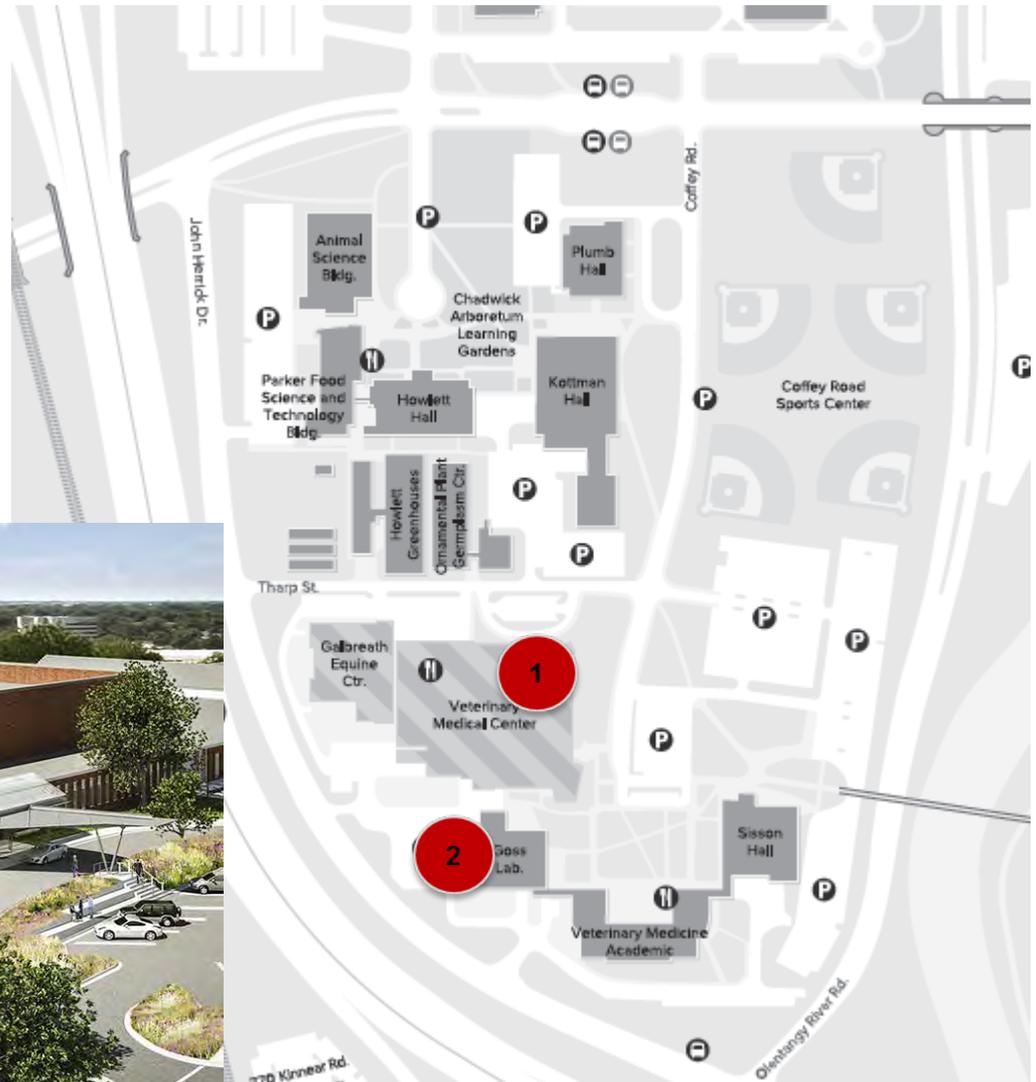
**Medical Center and
Health Sciences**



1 Vet Hospital

- Surgical Suites - \$350K
- Simulation Lab - \$520K
- Oncology Suite – 750K

2 Goss HVAC - \$300K



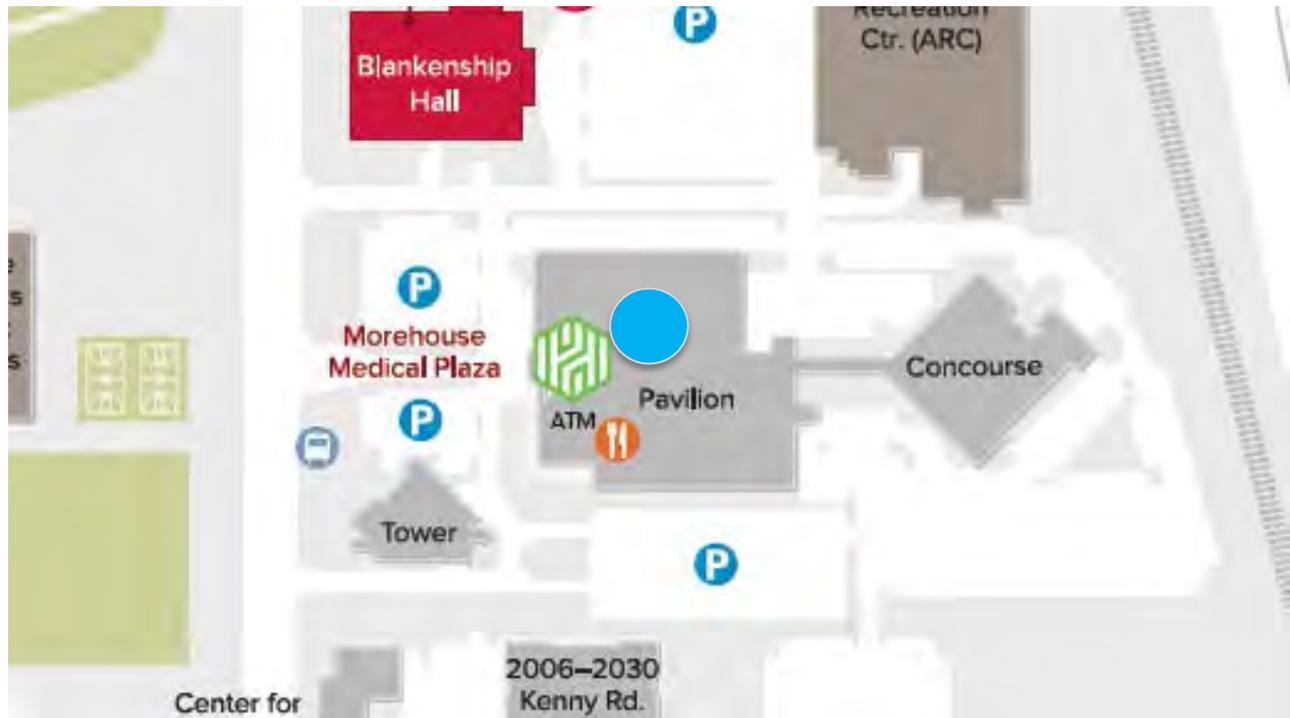


-  Postle Hall - \$95M
-  Fry Hall Entrance - \$6.4M
-  James 10 & 12 Floors Build Out - \$59.5M
-  Parks Hall Pharmacy - \$500K





**Morehouse Chiller and Electrical
Distribution \$8M**



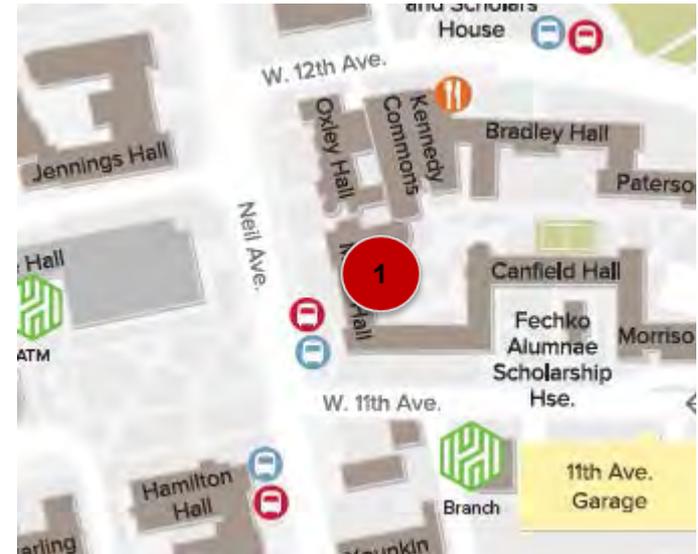


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Student Life and Auxiliary



- 1 Mack – Restroom Renovations - \$4.2M
- Taylor Tower – Boiler Replacements - \$830K
- Fawcett Center – Lobby Café - \$393K
- ATI – Residence Hall Demolition - \$469K (Wooster)
- Roll Up of Student Life Projects - \$10M





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Academic and
Regional Campus



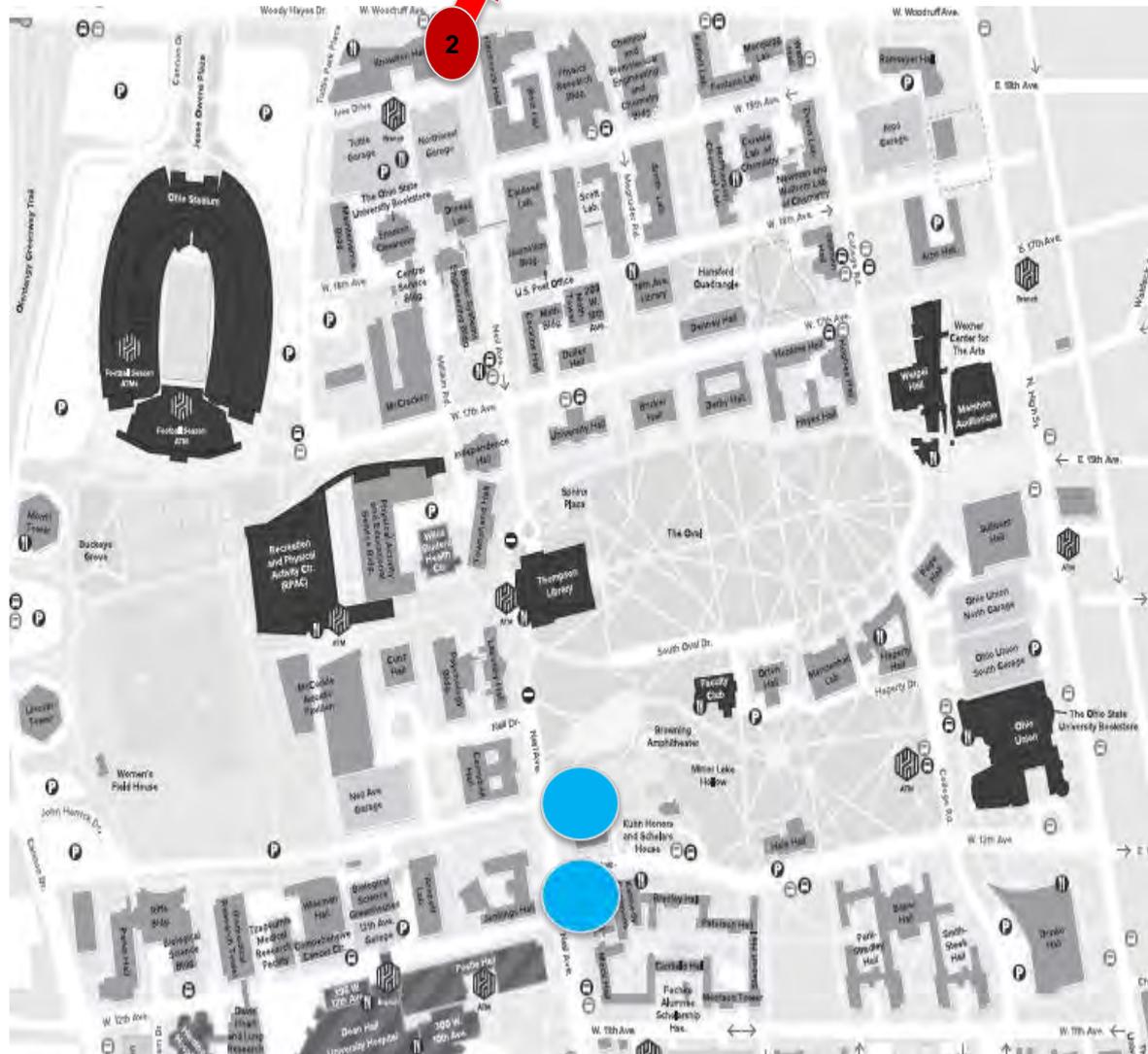
Academic and Regionals



Pomerene / Oxley / Baker
\$ 59M



Mason Hall Roof Replacement - \$406K





**Advanced Material
Corridor – Phase 1
\$59.2M**



View from Woodruff Avenue





**Airport FBO/Flight
Education Building
\$15M**





- Marion – Electrical, Site Lighting and HVAC Upgrades - \$1.1M
- 2 Morrill Hall – 3rd Floor Renovation: Labs, Offices, Restrooms - \$1.85M
- Asphalt Repair and Replacement - \$1.1M

Marion
Campus





**Roof Replacements
Adena, Reese, Levevre
\$1.45M**



Founders Hall - \$9M



**Campus Infrastructure
Generators – Site
Lighting - \$1.25M**



**Misc. Campus
Renovations - \$600K**

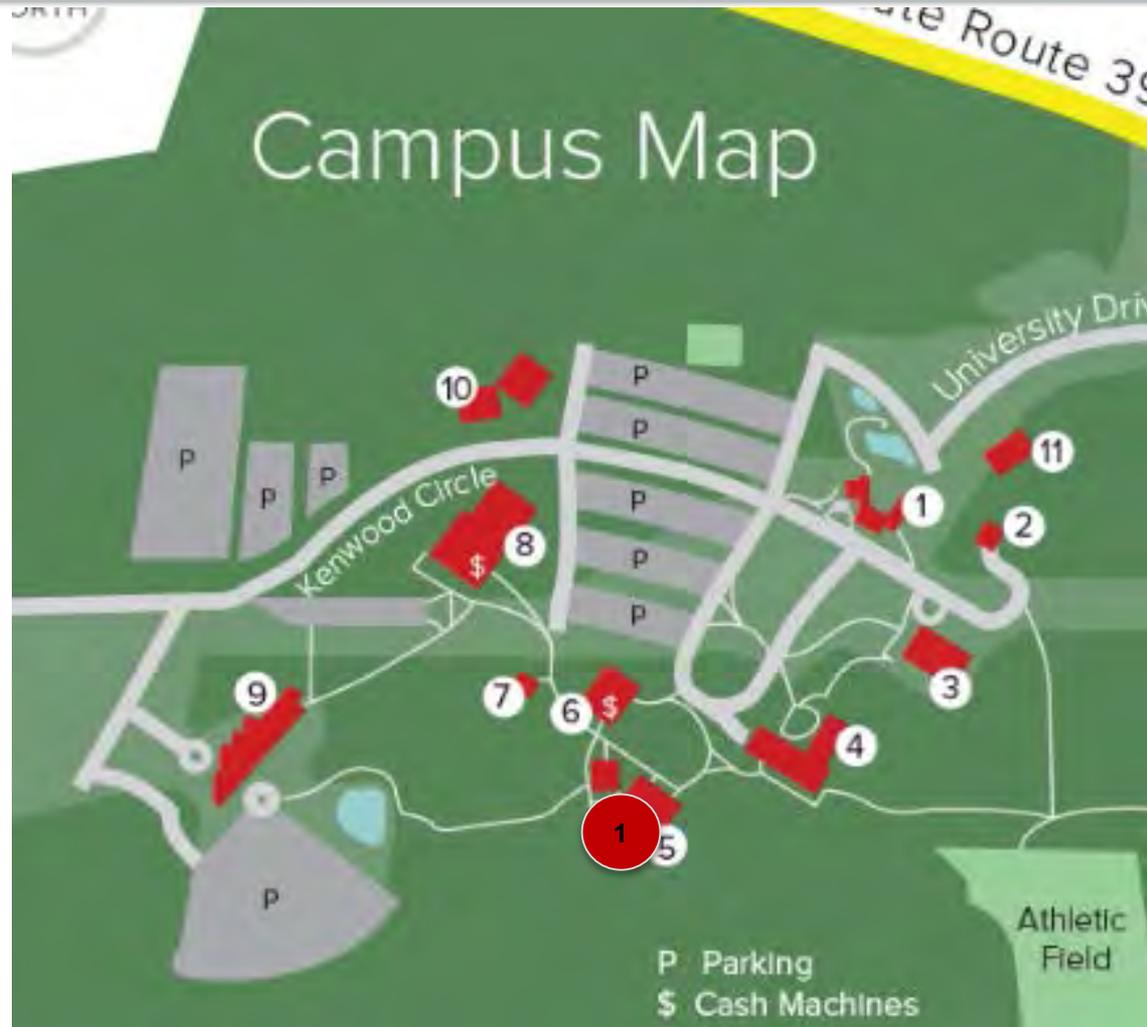


Newark
Campus



1

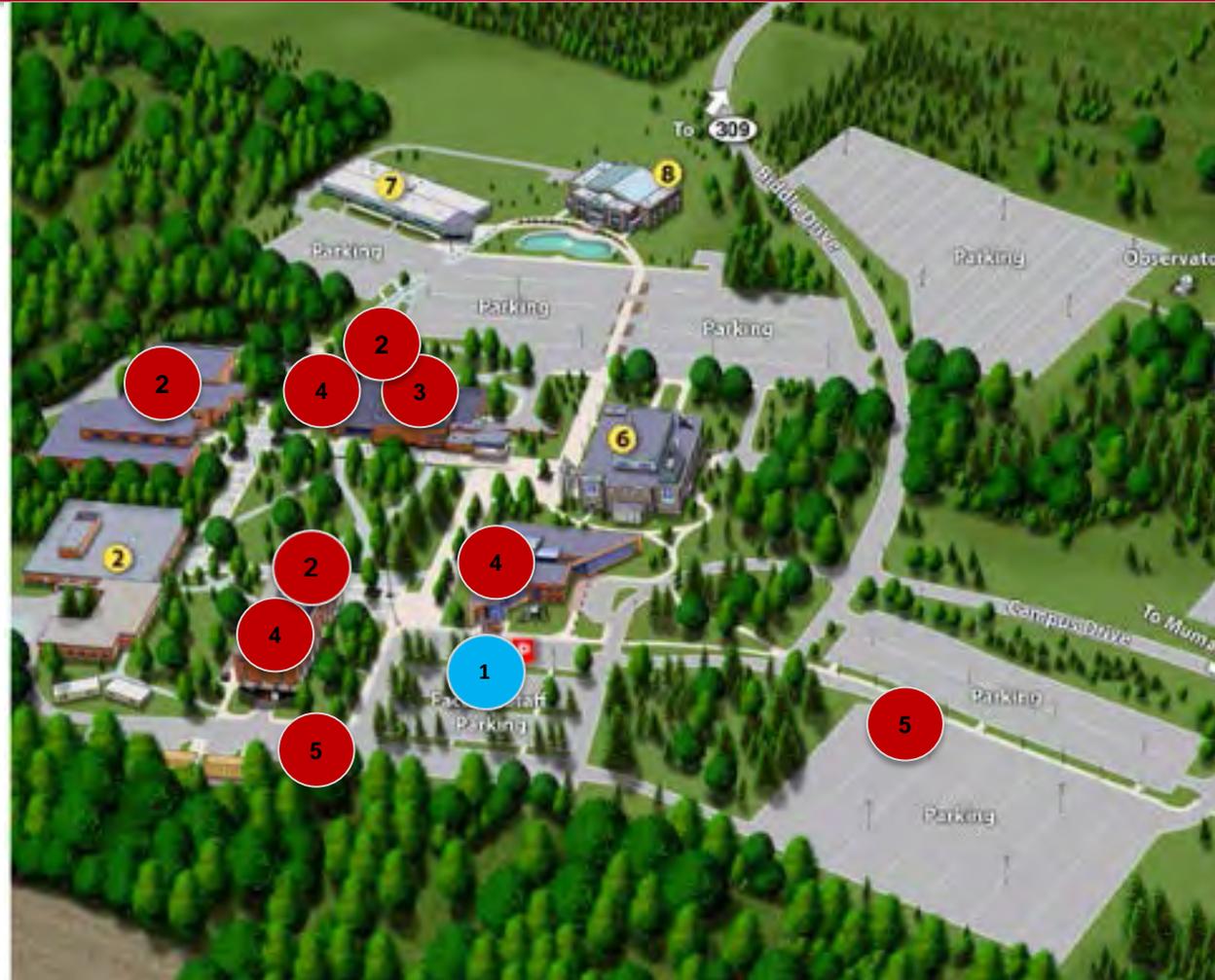
**Conard Hall – 2nd Floor
Renovation - \$2M**



Mansfield
Campus



- 1 Student Life Building
\$5.2M M**
- 2 HVAC - \$1.1M**
- 3 Reed Hall Roof \$750K**
- 4 Generators - \$750K**
- 5 Parking Lot
Improvements - \$750K**



Lima
Campus



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**College of Food Agriculture
and Environmental
Sciences Projects**

CFAES Previous Studies

Consolidate
Administration
Extension
OARDC

agricultural
admin.

AS 12K IN (farm?)
AS 19K IN

animal science
parker

plumb

kottman

howlett

opgc

Future animal/food

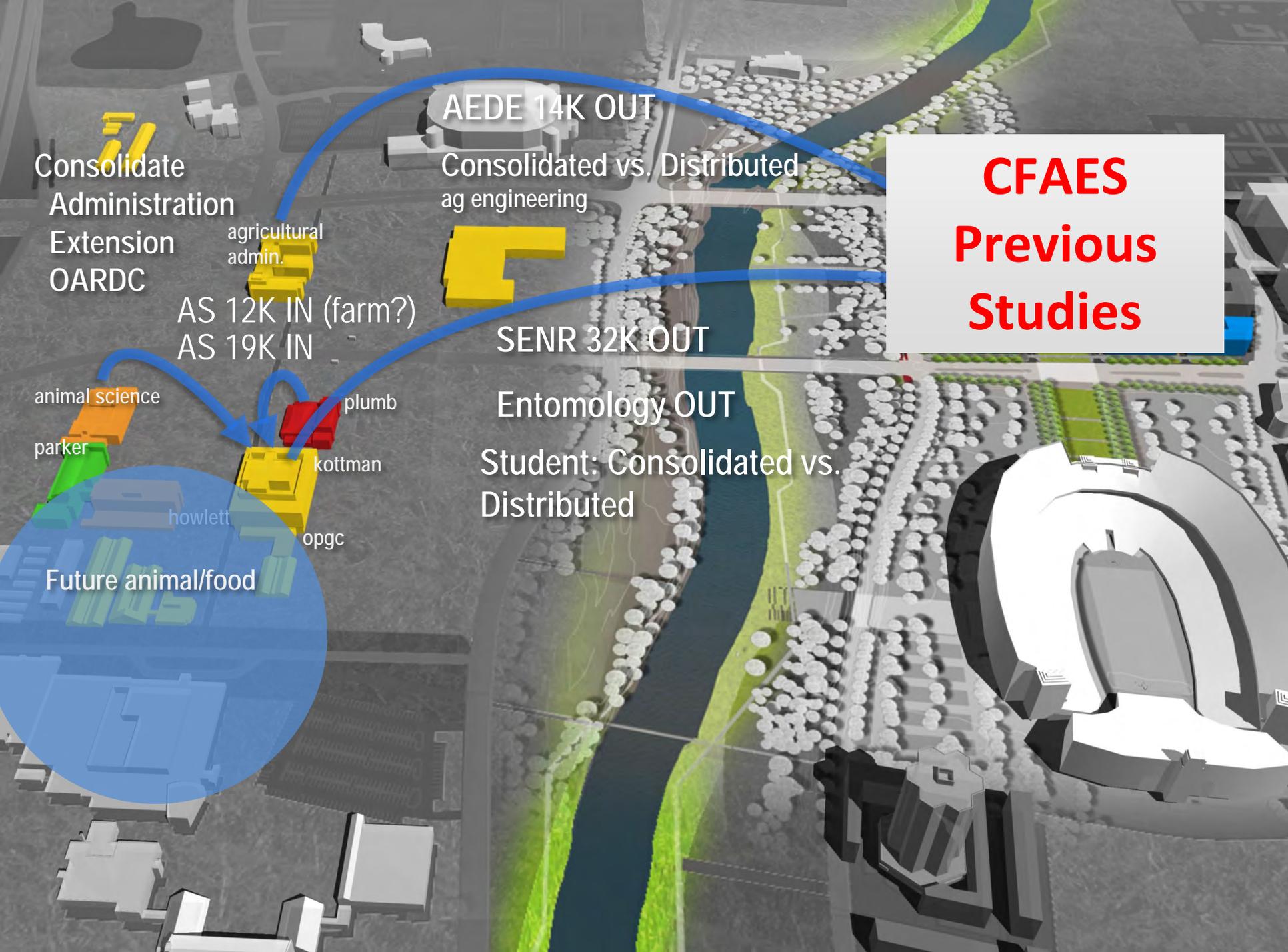
AEDE 14K OUT

Consolidated vs. Distributed
ag engineering

SENR 32K OUT

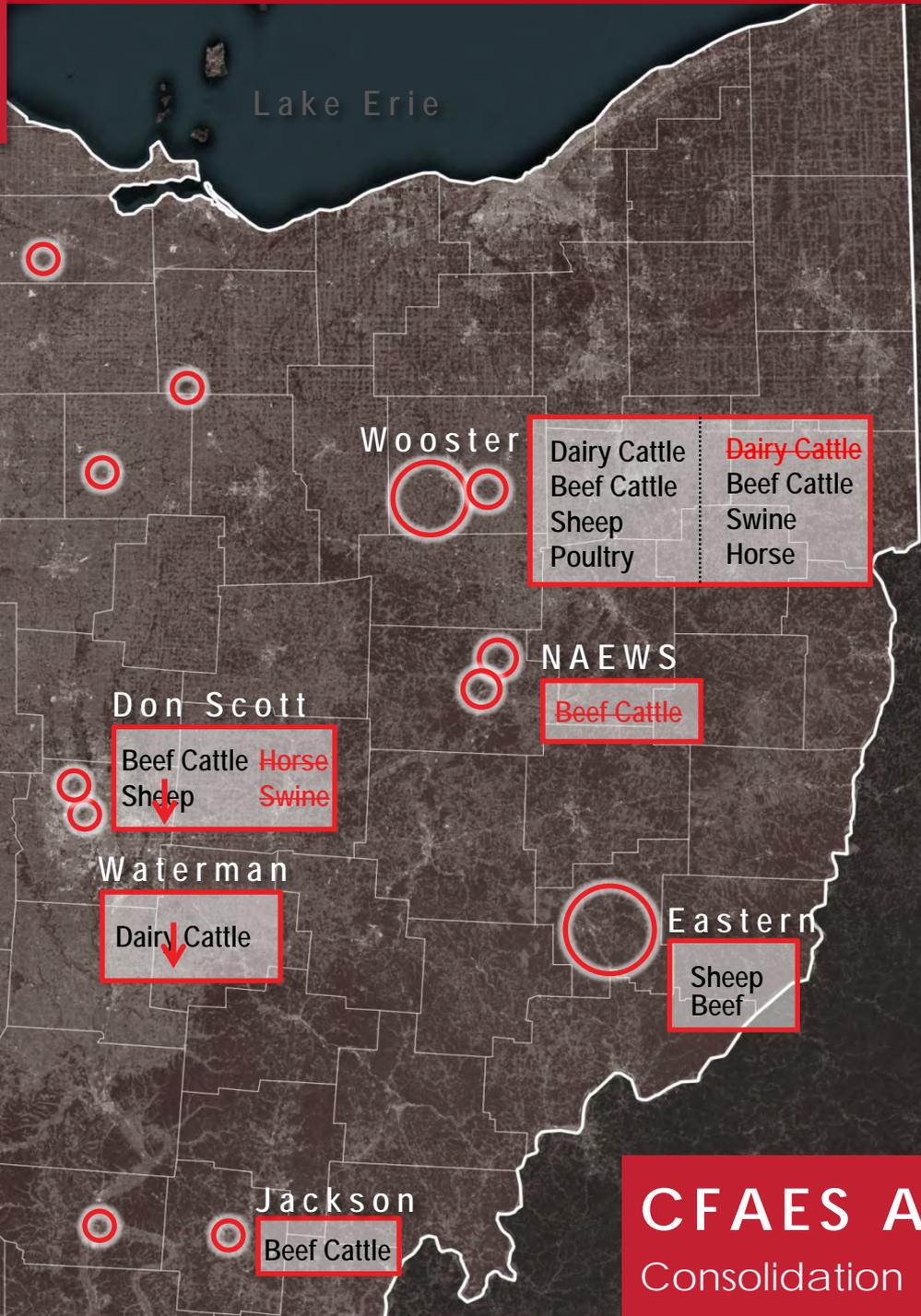
Entomology OUT

Student: Consolidated vs.
Distributed



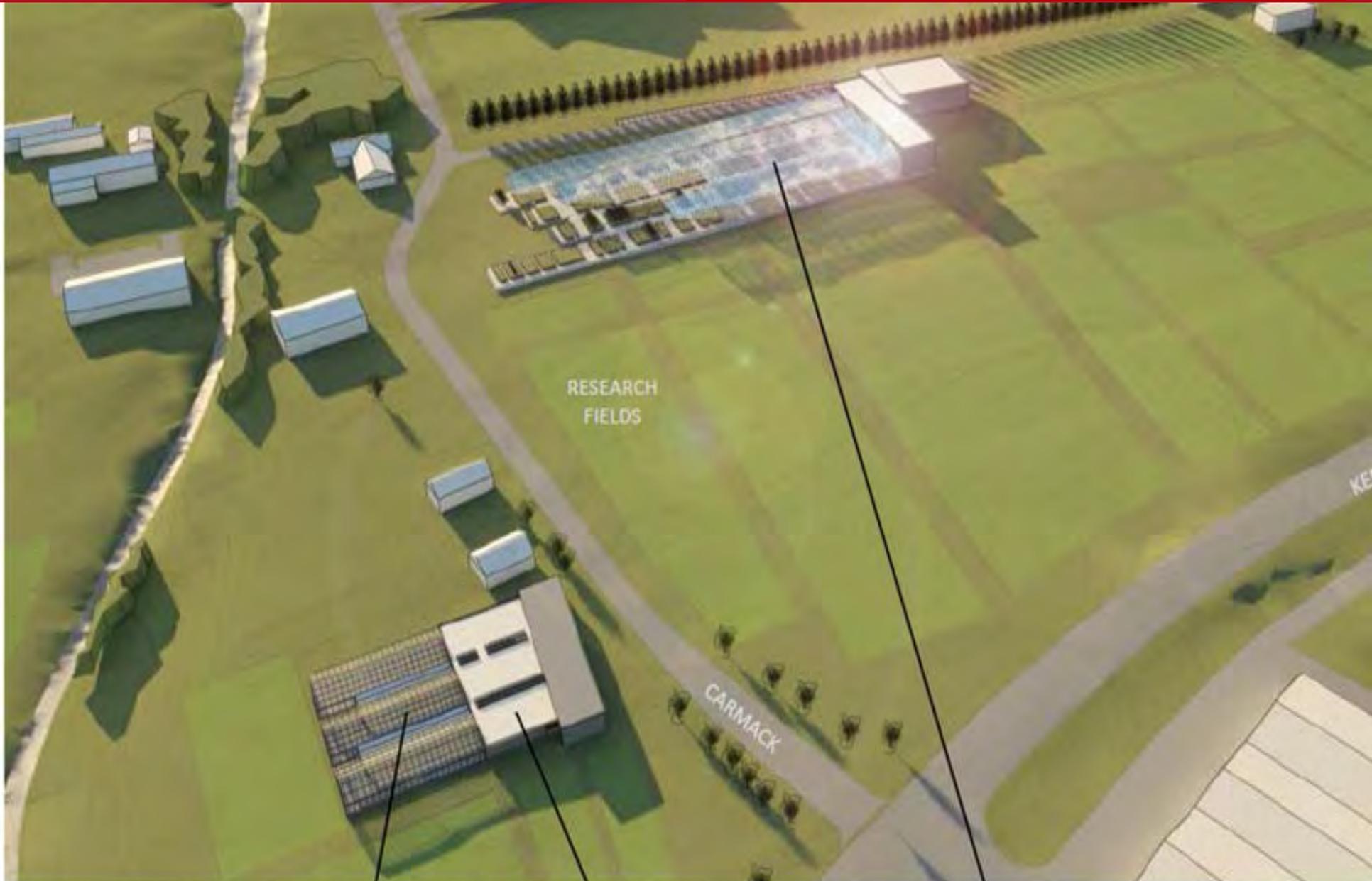
Animal Facilities

Proposed



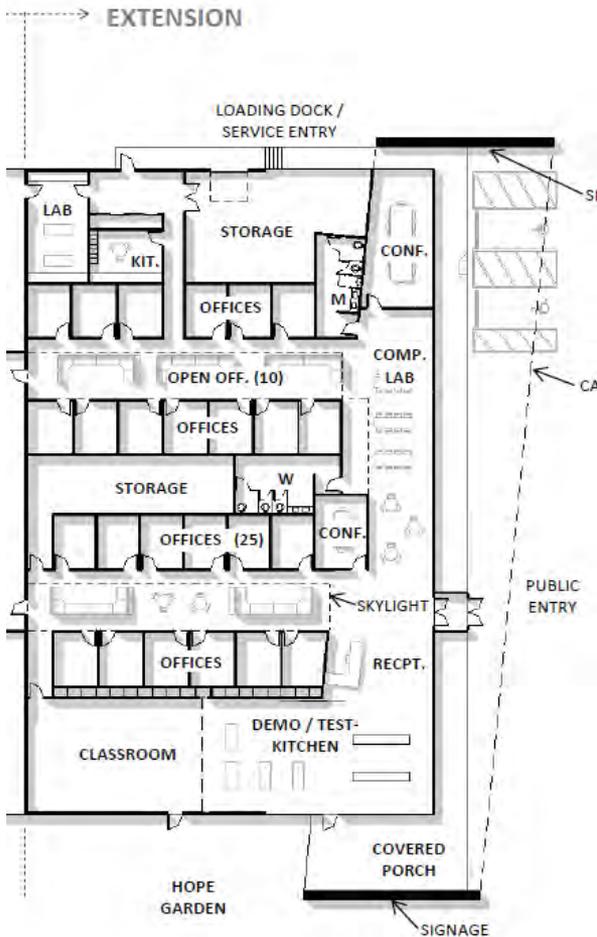
Lake Erie

CFAES Animal
Consolidation





Franklin County Extension - \$5.3M



Waterman Farms

Budget does not include greenhouses in the background



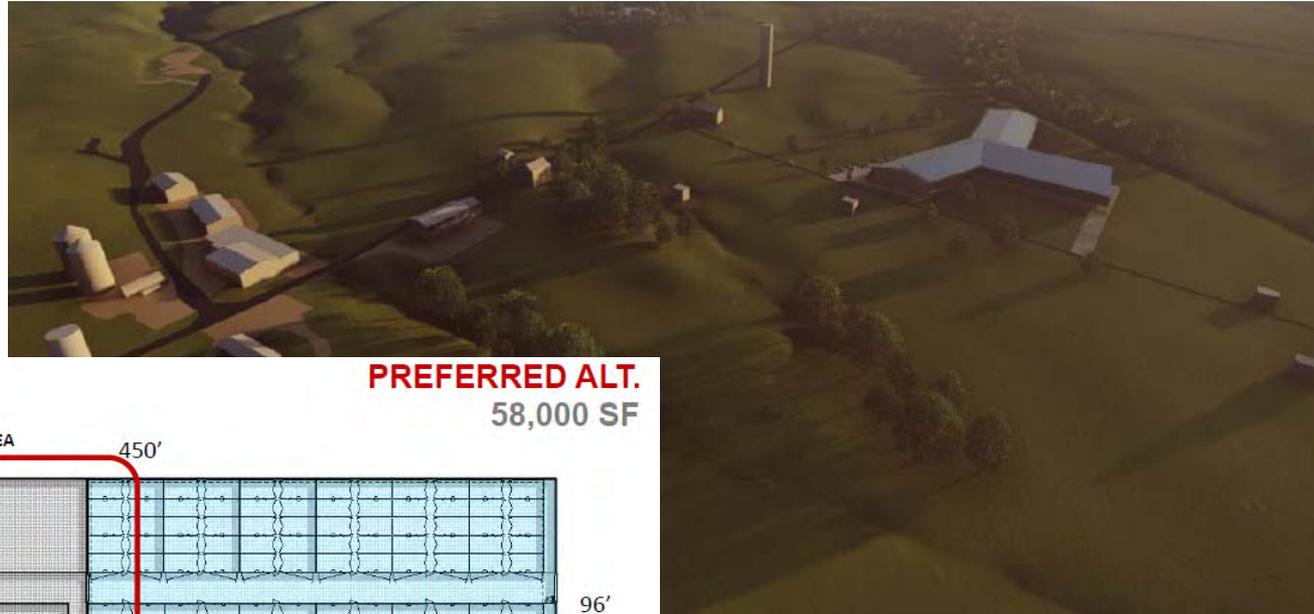
Food Security –
\$24M



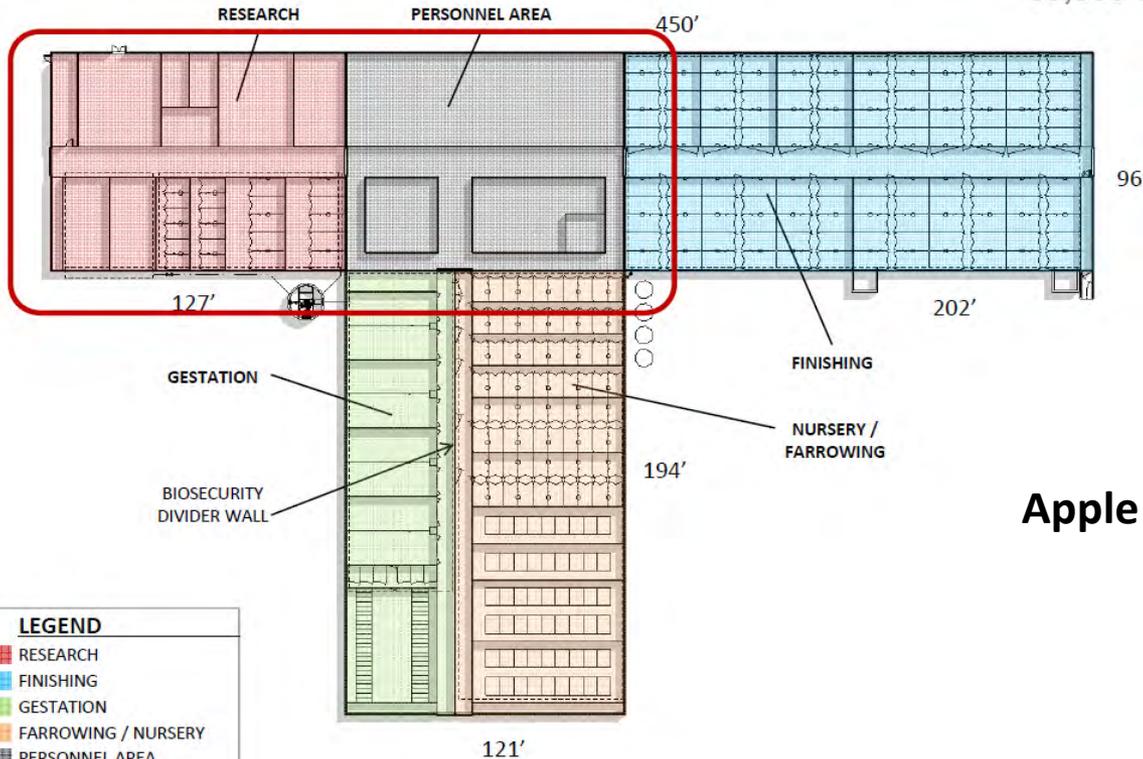
Location: Waterman Farms



Swine Teaching and Research Center - \$5.5M



PREFERRED ALT.
58,000 SF



Apple Creek Farm - Wooster



1

Thorne – Fisher – Infrastructure – HVAC

\$20M – Thorne

\$11M – Fisher

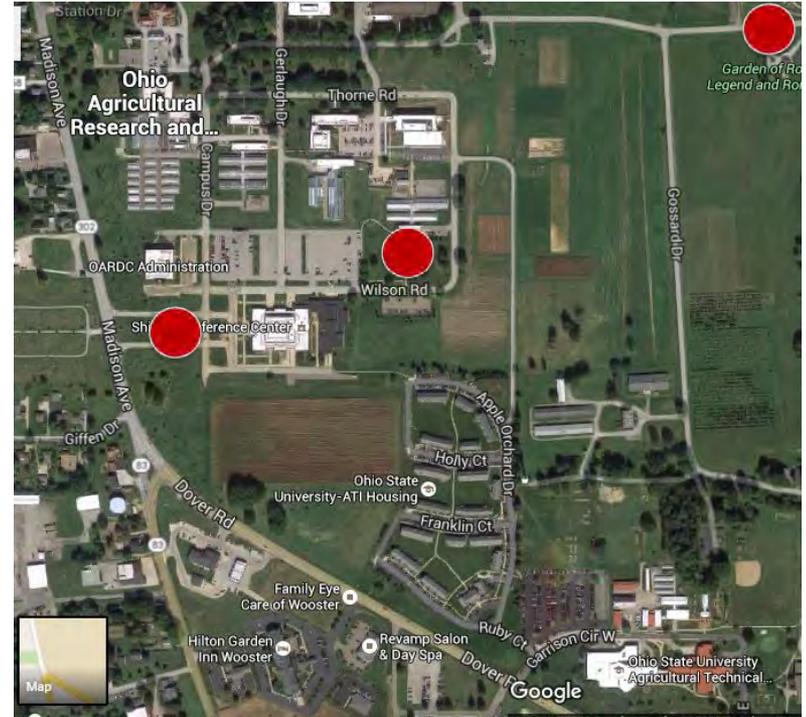
\$2.5 – HVAC

TOTAL: \$33.5M





- **Mechanical Improvements - \$3.3M**
 - Williams, NIH, Isolation, Krauss
- **Wooster Farm Operations - \$4.2M**
- **Wooster Faculty Offices - \$400K**
- **Wooster – Secret Welcome Center - \$2M**
- **Wooster – Campus Signage - \$500K**
- **Wooster – Selby Hall Cabling - \$750K**
- **Columbus – Labs and Office Renovations - \$2.8M**
 - Parker, Howlett, Ag Admin





What's Next?





Questions

??



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Project List

- ❑ **Sook Academic Center – Peden Stadium**
 - New building - Teaching/tutoring spaces to support student athletes
 - 9800 GSF Enclosed Program Space
 - 9800 GSF Open-air Pre-function Space for Stadium Events
 - \$6.17m total project costs – Donor Funded
 - General Contracting - Consultant Selection Closed

- ❑ **Seigfred Hall Renovations – Phase 2**
 - Existing 87,000 GSF Building – 1962 Construction – College of Fine Arts
 - Building Infrastructure Upgrades – MEP & Electrical
 - ADA Upgrades Throughout
 - Interior Space Upgrades – approx. 21,000 SF
 - \$10.6m total project costs
 - General Contracting - Consultant Selection Closed

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Project List

- ❑ **Clippinger Hall Expansion / Renovation Phase**
 - New 80,000 GFS Building for Science Teaching and Research Labs
 - Addition to Existing 188,000 GSF Building
 - \$42.6m total project costs
 - Construction Method TBD
 - Consultant Selection Underway – SOQs due Sept 16, 2016 Construction in FY 18/19
 - Future Phases 2 & 3 – FY 19/20 & FY 21/22 - Renovate Existing Building

- ❑ **HCOM Academic & Clinical Research Facility**
 - New 132,000 GSF Building for Heritage College of Osteopathic Medicine
 - \$4.6m Planning & Site Development Phase in FY 17/18
 - \$60.4m Construction Phase in FY 19/20
 - Construction Method TBD - Consultant selection TBD

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Project List

Alden Library Improvements

- Phase 1 of Multi-phase Building Renovation
- Space reconfigurations; MEP Improvements
- \$2.8m total project costs
- Design Phase nearly complete
- General Contracting – To be bid in Fall, 2016

Energy Infrastructure Upgrades

- New central plant boilers; Heating & cooling distribution system upgrades
- \$31.0m Total Funding - \$15.0m Boilers - \$16.0m Distribution system
- General Contracting
- Boiler Consultant Under Contract – Distribution system consultant TBD
- Construction in FY 17/FY18
- \$24.0m next phase planned for FY 19/20

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Project List

Housing and Residence Life:

- Plumbing/HVAC Improvements - Upgrades in older (1950's & 60's) Residence Halls
 - \$17.7m Total Funding - Multiple Smaller Projects -
 - General Contracting – Primarily Pick-3 Consultant Selections
 - Construction May 2017 – August 2017
- Roof Replacements
 - Perkins and Tiffin Halls – 1950's Residence Halls
 - \$3.3m Total Funding
 - General Contracting – Consultant Selection in Autumn, 2016
 - Construction in FY 18

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Project List

Basic Renovations / Deferred Maintenance Projects

- Multiple Smaller Projects –
 - Roofing Replacements/Upgrades, 12-15 Buildings - \$6.6m
 - Interior Renovations, Safety & ADA upgrades, MEP Upgrades - Various Bldg Types - \$13.5m
 - Building Demolition - \$2.4m
 - Airport Paving Upgrades - \$1.6m
 - Primarily General Contracting – Primarily Pick-3 Consultant Selections in Autumn, 2016; Spring , 2017

Regional Campuses

- Various Basic Renovations – Mostly Roofs, Paving, MEP Systems, Minor Interior Renovations
- Five Regional Campuses; \$5.2m Total Funding
- Primarily General Contracting – Primarily Pick-3 Consultant Selection

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BOWLING GREEN STATE UNIVERSITY

BGSU®

Barbara Shergalis

Business Opportunities

- East Load Center Construction - \$9M total project cost, General Contracting
- Moore Musical Arts Ductwork Replacement - \$2.7M, Design Build
- Mac Annex Renovations - \$13M, General Contracting
- Classroom Renovations - \$1.3M, A/E and General Contracting

Contact:

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Craig Weise
Chief of Projects

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State Agencies Projects

Dept. of Administrative Services

- SOCC Facility Reno. \$15,884,371
- N. High St. Complex \$18,075,000
- Rhodes Tower Reno. \$19,250,000

Dept. of Commerce – State Fire Marshall

- SFM Renovations \$1,900,000
- Forensic Evidence Stor. \$2,187,500

State Agencies Projects

Dept. of Natural Resources

- State Parks – Cabins & Camp. \$23,910,514
- Buckeye Lake Dam \$61,546,960
- Lake White St. Park – Dam \$27,376,761
- Dam Rehab.- Parks \$55,425,000
- Muskingum River Lock & Dam \$3,750,000

State Agencies Projects

Dept. of Veteran Services

- Sandusky Reno. \$3,895,368
- Georgetown Reno. \$1,037,750

Dept. of Youth Services

- Circleville JCC- Additions \$10,683,000
- Circleville JCC- Housing & Programs \$5,212,230

State Agencies Projects

Ohio Exposition Commission

- Facility Improvements \$9,400,000

Ohio Supreme Court

- General Building Reno. \$8,373,883

Ohio School for the Deaf

- Dormitory Construction \$2,503,000

OFCC K-12 Projects

Districts that have obtained Local Funds

- Anna LSD \$17,502,227
- Lancaster City SD \$47,856,215
- Clear Fork Valley LSD \$25,599,229
- Tri-Star STEM Compact \$16,631,852

OFCC K-12 Projects

Districts still seeking Local Funds

• Preble Shawnee LSD	\$45,036,586
• Amherst Ex. Vill. SD	\$45,862,107
• Clark Shawnee LSD	\$52,035,088
• Fairborn City SD	\$50,984,299
• Fremont City SD	\$110,929,351
• Licking Heights LSD	\$94,413,559

OFCC K-12 Projects

Districts still seeking Local Funds

- Shaker Heights City SD \$132,807,693
- St Bernard Elmwood Place SD \$33,003,110
- Tallmadge City SD \$64,870,995
- West Clermont LSD \$151,213,303
- Xenia Community City SD \$62,010,353

OFCC Community Projects

- Cleveland Music Hall (Cuyahoga) \$400,000
- Sandusky State Theatre (Erie) \$750,000
- Charleen & Charles Hinson Amphitheatre (Franklin) \$1,000,000
- Toledo Museum of Art (Lucas) \$1,500,000

OFCC Community Projects

- Dayton History Heritage Cntr. \$1,500,000
(Montgomery)
- Jackson North Park Amphitheatre (Stark) \$1,000,000
- DeYor Performing Arts Cntr. \$1,300,000
(Mahoning)

Other Community Projects

- Mahoning Valley Innov./ Commercialization Cntr (YSU) \$3,000,000
- Butler Tech & Career Dev.- Bioscience (Miami Univ) \$1,000,000
- Springfield Parking Facility (Clark State) \$1,500,000

Other Community Projects

- CWRU Health Educ. Campus \$1,100,000
(Cleveland State)
- Edison Welding Institute \$1,500,000
(OSU)
- Cincinnati Cntr. For Addict. \$2,000,000
Treatment Exp. (DMH)

Questions?

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Ask OFCC

Craig Weise, OFCC

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This concludes The American Institute of Architects Continuing Education Systems Course

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