

September 7, 2022

University of Kentucky
Preliminary List of Asset Preservation Pool Projects

Pool Funds

| | |
|--------------|-------------------|
| Bond Funds | \$154,196,000 |
| Campus Match | <u>46,260,000</u> |
| Total | \$200,456,000 |

Campus Match - Anticipated Fund Sources

| | |
|---------------------|-------------------|
| Institutional Funds | \$0 |
| Asset Pres. Fees | 0 |
| Donations | 0 |
| Agency Bonds | <u>46,260,000</u> |
| | \$46,260,000 |

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

The following list of asset preservation projects for fiscal years 2022-23 and 2023-24 is very preliminary in nature as the University is in the planning and programming stage. Thus, this list may change. The University wants to ensure the most efficient use of the funds to preserve our aging facilities and enhance accessibility while furthering our student success efforts. The facilities below are aging, highly utilized education and general facilities in our central core of campus.

| <u>Projects</u> | <u>Estimates</u> |
|--|-------------------|
| 2022-23: | |
| • Improve Multi-Disciplinary Science Building | \$10,000,000 |
| • Improve White Hall Classroom Building Phase I | 8,000,000 |
| • Improve Pence Hall | 32,000,000 |
| • Improve Patterson Office Tower | 5,000,000 |
| • Improve Miller Hall | 10,000,000 |
| • Improve Peterson Service Building | 10,000,000 |
| • Various Infrastructure/System Improvements | <u>25,000,000</u> |
| | \$100,000,000 |
| 2023-24: | |
| • Improve White Hall Classroom Building Phase II | \$75,000,000 |
| • Various Infrastructure/System Improvements | <u>25,000,000</u> |
| | \$100,000,000 |

University of Louisville
Preliminary List of Asset Preservation Pool Projects

Pool Funds

| | |
|--------------|-------------------|
| Bond Funds | \$81,886,000 |
| Campus Match | <u>24,566,000</u> |
| Total | \$106,452,000 |

Campus Match - Anticipated Fund Sources

| | |
|---------------------|--------------|
| Institutional Funds | \$4,566,000 |
| Asset Pres. Fees | 0 |
| Other | 20,000,000 |
| Donations | 0 |
| Agency Bonds | <u>0</u> |
| | \$24,566,000 |

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

| Description | Building Name | Estimate |
|---|--------------------|------------|
| Campus Lighting Phase 1 | All | \$ 214,200 |
| Campus Lighting Phase 2 | All | 102,000 |
| Upgrade all Campus Camera Systems Phase 1 | All | 510,000 |
| *Critical Building Automation Control Upgrades Phase 1 Control | Specific Buildings | 2,040,000 |
| Critical Building Automation Control Upgrades Phase 2 Control | Specific Buildings | 2,040,000 |
| *VFD Replacements Phase 1 | Specific Buildings | 510,000 |
| VFD Replacements Phase 2 | Specific Buildings | 510,000 |
| Upgrade all Campus Camera Systems Phase 2 | All | 510,000 |
| *Upgrade Campus Electrical Distribution System located at Grawemeyer Hall | Grawemeyer Hall | 1,285,200 |
| *Brigman | Brigman Hall | 469,200 |
| Gardiner Hall Fire Alarm Upgrades | Gardiner Hall | 122,400 |
| Esktrom Library Robotic Arm replacement | Esktrom Library | 586,500 |
| Esktrom Library, Document and Artifact Archives | Esktrom Library | 382,500 |
| Ekstrom Library Roof | Ekstrom Library | 642,600 |
| Gottschalk Hall Fire Alarm Upgrades | Gottschalk Hall | 102,000 |
| Student Activities Center (Elevator #3) | SAC | 86,700 |
| *Life Science | Life Science | 586,500 |
| Life Science – Electrical system replacement (switchgear, generator, ATS electrical panels) | Life Science | 3,570,000 |
| Life Science – HVAC replacement/ upgrades new HVAC systems, lighting and plumbing systems repairs. | Life Science | 5,916,000 |
| Lab Refreshment - Finishes, ceilings, lights and HVAC vents (recommend after completing with the HVAC scope of work) for Life Sciences | Life Science | 336,600 |
| Building Entries Refreshment - Finishes, lights, branding and signage for Life Sciences | Life Science | 114,750 |
| Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for Life Sciences | Life Science | 267,750 |
| Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Life Sciences | Life Science | 206,550 |
| Auditorium Refreshment - Finishes, lighting and ADA compliance work for Life Sciences | Life Science | 204,000 |

| | | |
|--|---------------------------|-----------|
| Student Gathering Space Improvements - Finishes, ceilings, lights, branding and kitchenettes for Life Sciences | Life Science | 61,200 |
| ADA Door Hardware Improvements – Door Hardware: Life Sciences | Life Science | 214,200 |
| Law School (Elevator #2 East Side) | Law School | 96,900 |
| Law School (Elevator #3 West Side) | Law School | 86,700 |
| Law School Fire Alarm Upgrade | Law School | 178,500 |
| *Law` | Law School | 586,500 |
| Miller Information Technology Center Fire Alarm | Miller Information | 178,500 |
| Lutz Hall - HVAC upgrades to AHU and 3rd floor inclusive of Laboratory areas | Lutz Hall-STEM | 2,040,000 |
| *JB Speed School - Electrical system, switch gear, bare neutrals, and electrical panels | J. B. Speed School - STEM | 1,785,000 |
| JB Speed- HVAC upgrades (requires electrical upgrades completed first) | J. B. Speed School - STEM | 1,836,000 |
| Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Lutz | Lutz Hall-STEM | 169,400 |
| Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for JB Speed | J. B. Speed School - STEM | 107,100 |
| Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for JB Speed | J. B. Speed School - STEM | 206,550 |
| Student Gathering Space Improvements - Finishes, ceilings, lights, branding and kitchenettes for JB Speed | J. B. Speed School - STEM | 51,000 |
| ADA Door Hardware Improvements – Door Hardware: JB Speed | J. B. Speed School - STEM | 198,900 |
| Building Entries Refreshment - Finishes, lights, branding and signage for Sacket | Sacket-STEM | 89,250 |
| Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Sacket | Sacket-STEM | 206,550 |
| ADA Door Hardware Improvements – Door Hardware: Sacket | Sacket-STEM | 76,500 |
| ADA Ramp Access Improvements - Ramps for Sacket | Sacket-STEM | 76,500 |
| WS Speed Fire Alarm | W.S. Speed-STEM | 96,900 |
| W.S. Speed and Life Sciences Elevators updates | W.S. Speed-STEM | 510,000 |
| Building Entries Refreshment - Finishes, lights, branding and signage for WS Speed | W.S. Speed-STEM | 53,550 |
| Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for WS Speed | W.S. Speed-STEM | 229,500 |
| Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for WS Speed | W.S. Speed-STEM | 206,550 |
| ADA Door Hardware Improvements – Door Hardware: WS Speed | W.S. Speed-STEM | 153,000 |
| Ernst Hall Fire Alarm Upgrades | Ernst Hall-STEM | 142,800 |
| *Ernst | Ernst Hall-STEM | 530,400 |
| Ernst Hall Auditorium (high utilization for exams)- HVAC upgrades, lighting, ceiling and platform ADA accessibility | Ernst Hall-STEM | 348,840 |
| Building Entries Refreshment - Finishes, lights, branding and signage for Ernst | Ernst Hall-STEM | 51,000 |
| Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for Ernst | Ernst Hall-STEM | 107,100 |
| Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Ernst | Ernst Hall-STEM | 206,550 |
| ADA Door Hardware Improvements – Door Hardware: Ernst | Ernst Hall-STEM | 91,800 |
| *Natural Science | Natural Science-STEM | 469,200 |
| Natural Science – Electrical system replacement (switchgear, generator, ATS electrical panels). | Natural Science-STEM | 2,040,000 |
| Natural Sciences- HVAC upgrades to AHU, ductwork and terminal devices | Natural Science-STEM | 6,120,000 |
| Natural Science - Fire Alarm replacement | Natural Science-STEM | 510,000 |
| Lab Refreshment - Finishes, ceilings, lights and HVAC vents (recommend after completing with the HVAC scope of work) for Natural Sciences (\$1,125,000) | Natural Science-STEM | 688,500 |
| Building Entries Refreshment - Finishes, lights, branding and signage for Natural Sciences | Natural Science-STEM | 196,350 |
| Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle fillers for Natural Sciences | Natural Science-STEM | 408,000 |
| Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work for Natural Sciences | Natural Science-STEM | 433,500 |
| Student Gathering Space Improvements - Finishes, ceilings, lights, branding and kitchenettes for Natural Sciences | Natural Science-STEM | 89,200 |
| ADA Door Hardware Improvements – Door Hardware: Natural Sciences | Natural Science-STEM | 275,400 |

| | | |
|--|-------------------------|-----------|
| ADA Ramp Access Improvements - Ramps for Natural Sciences | Natural Science-STEM | 137,700 |
| Chemistry Building - MEP replacement/ upgrades new HVAC systems, fume hoods, lighting, electrical systems and distributions, and plumbing systems repairs. | Chemistry Building-STEM | 7,650,000 |
| Urban & Public Affairs (CUER) Fire Alarm | Urban & Public Affairs | 153,000 |
| *Thrust Theatre – upgrade HVAC System | Thrust Theatre | 1,428,000 |
| HPER Kiln Shed | HPER Kiln | 255,000 |
| *Music School – HVAC upgrades to mitigate the cooling and humidity issues in the building causing damage to instruments and equipment. | Music School | 3,304,800 |
| School of Music - upgrade cloud for acoustical/lighting | Music School | 510,000 |
| Education Building - VAV reheat/Envelope | Education Building | 1,927,800 |
| Law library sublevel AHU replacement | Law School | 449,500 |
| *Strickler Hall – HVAC upgrades | Strickler Hall | 386,580 |
| *Strickler | Strickler Hall | 703,800 |
| *Business | Business School | 703,800 |
| *Vogt Building – AHU replacements, replace outdated chillers and piping located under the building making repairs and maintenance impossible. | Vogt Building | 1,836,000 |
| Building Entries Refreshment - Finishes, lights, branding and signage for Vogt | Vogt Building | 45,900 |
| Upgrade existing Belknap Campus Access Control systems | All | 1,020,000 |
| Upgrade existing HSC Campus Access Control systems | All | 2,550,000 |
| 51 Medical Dental Research - Electrical updates (Main switchgear, generator, panelboards, lighting) | Medical Dental | 2,040,000 |
| Medical Dental Research (Master fire alarm control panel and strobes) | Medical Dental | 76,500 |
| 51 Medical Dental Research - Plumbing updates (Domestic water, sanitary piping, fixtures) | Medical Dental | 1,020,000 |
| 56 Kentucky Lions Eye Clinic - Electrical updates (Main switchgear, generator, panelboards, lighting) | Kentucky Lions Eye | 1,020,000 |
| *Kentucky Lions Eye (West and East) Elevator | Kentucky Lions Eye | 428,400 |
| Kentucky Lions Eye Clinic (Master fire alarm control panel and strobes) | Kentucky Lions Eye | 76,500 |
| 56 Kentucky Lions Eye Clinic - Plumbing updates (Domestic water, sanitary piping, fixtures) | Kentucky Lions Eye | 765,000 |
| 57 Research Resource Center - Electrical updates (Main switchgear, generator, panelboards, lighting) \$1,500,000 | Research Resource Ctr | 1,530,000 |
| RRC (Master fire alarm control panel and strobes) | Research Resource Ctr | 178,500 |
| 57 Research Resource Center - Plumbing updates (Domestic water, sanitary piping, fixtures) | Research Resource Ctr | 765,000 |
| 55A School of Medicine Tower - Electrical updates (Main switchgear, generator, panelboards, lighting) | Medical Tower | 1,530,000 |
| School of Medicine Tower 55A (Master fire alarm control panel and strobes) | Medical Tower | 76,500 |
| 55A School of Medicine Tower - HVAC updates (Chilled water, steam, condensate, heating water, AHUs, exhaust fans, terminal units, controls) | Medical Tower | 2,550,000 |
| 55A School of Medicine Tower - Plumbing updates (Domestic water, sanitary piping, | Medical Tower | 1,530,000 |
| School of Medicine (55A) | Medical Tower | 321,300 |
| 55B School of Medicine - Electrical updates (Main switchgear, generator, panelboards, | Instructional Bldg. | 1,020,000 |
| 55B School of Medicine Elevator | Instructional Bldg. | 188,700 |
| School of Medicine 55B (Master fire alarm control panel and strobes) | Instructional Bldg. | 76,500 |
| 55B School of Medicine - Fresh Tissue and Morgue HVAC/Electrical Upgrades | Instructional Bldg. | 2,249,100 |
| 55B School of Medicine - Gross Anatomy Lab HVAC/Electrical Upgrades | Instructional Bldg. | 2,034,900 |
| *55B | Instructional Bldg. | 821,100 |
| 55D Kornhauser Library (Back Elevator) | Kornhauser Library | 86,700 |
| Kornhauser Library (Master fire alarm control panel and strobes) | Kornhauser Library | 76,500 |
| 55D Kornhauser Library - HVAC updates (Chilled water, steam, condensate, heating water, AHUs, exhaust fans, terminal units, controls) | Kornhauser Library | 3,336,580 |
| 55D Kornhauser Library - Plumbing updates (Domestic water, sanitary piping, fixtures) | Kornhauser Library | 510,000 |
| Donald Baxter Research (Fire Alarm Controls / Infrastructure, Strobes/Horns) | Baxter 1 | 51,000 |
| 55E Donald Baxter Building - HVAC (Refurbish AHU-1)/Electrical Upgrades | Baxter 1 | 1,606,500 |
| 55E Donald Baxter Building - Basement auditorium Improvements (furniture, finishes, ceilings, lighting, carpet) | Baxter 1 | 510,000 |
| Delia Baxter Research (Master fire alarm control panel and strobes) | Baxter 2 | 76,500 |
| 55F Delia Baxter Building - HVAC/Electrical Upgrades | Baxter 2 | 1,020,000 |

| | | |
|--|---------------------------------------|-----------|
| CTR (Master fire alarm control panel and strobes) | CTR | 306,000 |
| CII (Master fire alarm control panel and strobes) | CII | 204,000 |
| K-Wing | K-Wing | 76,500 |
| ADA Door Hardware Improvements | Specific Buildings | 204,000 |
| Belknap Steam and Chilled Water Plant, Phase 1 - Structural repairs of metal cooling tower supports | Belknap Steam and Chiller Water Plant | 255,000 |
| Belknap Steam and Chilled Water Tunnels, Phase 1 (Critical) - Tunnel top replacement and structural repair under Eastern Parkway | Belknap Steam and Chiller Water Plant | 1,785,000 |
| Belknap Steam and Chilled Water Tunnels, Phase 2 (Critical) - T1, T3, T5, T5-1, Centennial tunnel top replacement and repairs | Belknap Steam and Chiller Water Plant | 2,040,000 |
| Belknap Steam and Chilled Water Tunnels, Phase 3 (Medium and less critical) - Remaining tunnel top replacement and repairs | Belknap Steam and Chiller Water Plant | 2,550,000 |
| Corridors Refreshment - Finishes, lighting, branding, signage and water fountains/bottle | Specific Buildings | 510,000 |
| Restroom Refreshment - Finishes, ceilings, lights, and ADA compliance work | Specific Buildings | 765,000 |
| Building Entries Refreshment - Finishes, lights, branding and signage | Specific Buildings | 510,000 |
| Building Site Refreshment - Softscape, hardscape, site lighting, site utilities & Irrigation | Specific Buildings | 255,000 |
| Student Gathering Space Improvements - Finishes, ceilings, lights, branding and kitchenettes | Specific Buildings | 306,000 |
| Planetarium Theatrical lighting upgrade | Gheens Hall (Planetarium) | 382,500 |
| Medical Dental Apartments demolition | Medical Dental Apartments | 1,530,000 |
| Kornhauser Auditorium ADA | Kornhauser Library | 442,000 |
| CPM (Master fire alarm control panel and strobes) | CPM | 178,500 |

\$106,452,000

| | | % of Total |
|---|----------------------|------------|
| ADA Updates | \$2,218,840 | 2.1% |
| Campus Parking Lighting | 316,200 | 0.3% |
| Building Energy Management and Controls | 5,100,000 | 4.8% |
| Infrastructure Equipment Replacement | 1,479,000 | 1.4% |
| Life Safety Systems | 9,011,700 | 8.5% |
| HVAC, Electrical & Plumbing | 72,731,960 | 68.3% |
| Refresh and Refurbishments | 9,504,900 | 8.9% |
| Roof Replacements | 6,089,400 | 5.7% |
| Total | \$106,452,000 | |

September 7, 2022

Eastern Kentucky University
Preliminary List of Asset Preservation Pool Projects

Pool Funds

| | |
|--------------|------------------|
| Bond Funds | \$54,806,000 |
| Campus Match | <u>8,222,000</u> |
| Total | \$63,028,000 |

Campus Match - Anticipated Fund Sources

| | |
|---------------------|-------------|
| Institutional Funds | \$4,111,000 |
| Asset Pres. Fees | 4,111,000 |
| Donations | 0 |
| Agency Bonds | <u>0</u> |
| | \$8,222,000 |

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

| | |
|--|--------------|
| Adams House Foundation | \$75,000 |
| Hot Water Heater - Arlington | \$200,000 |
| Roof Replacement - Ashland Building | \$1,000,000 |
| Elevator Modernization Burrier | \$200,000 |
| Chiller - Burrier Bldg | \$140,000 |
| Chiller - Cammack Bldg | \$200,000 |
| Cooling Tower - Cammack Bldg | \$100,000 |
| Roof Replacement & Box Gutters - Cammack Bldg | \$300,000 |
| Main and Regional Campus Electrical Installation and Hardware Component Improvements | \$4,000,000 |
| Parking Lot and Exterior lighting | \$1,000,000 |
| Steam lines, vaults, heat plants and Boilers | \$10,000,000 |

| | |
|---|-------------|
| Gas Line Mapping and Repairs - Campus Wide | \$500,000 |
| Elevator Modernization - Other | \$500,000 |
| Chiller - Other | \$500,000 |
| Cooling Tower - Other | \$500,000 |
| Demolition - Campus Wide | \$2,000,000 |
| Sidewalks / Pathways Repairs - Campus Wide | \$500,000 |
| Roof Replacement | \$200,000 |
| Parking Lot drainage and paving | \$1,000,000 |
| Elevator Modernization Coates | \$75,000 |
| Portable Elevator - Coates Brock | \$50,000 |
| Elevator Modernization Combs | \$900,000 |
| RCF 2891 Storefronts / Doors - Combs Bldg | \$250,000 |
| Sidewalks / Stone Repairs - Burrier Bldg | \$838,000 |
| Roof Replacement & Soffit - RCF 2896 | |
| Combs Lower Roof | \$750,000 |
| Chiller - Crabbe Addition Bldg | \$250,000 |
| Boilers - Fitness & Wellness | \$100,000 |
| Chiller - Fitness & Wellness Bldg | \$200,000 |
| Chiller - Keen Johnson Bldg | \$250,000 |
| Traffic Light ADA Compliance (Kit Carson/Madison) | \$300,000 |
| Boiler - Maddox/Model | \$300,000 |
| Chiller - Donovan Annex | \$250,000 |
| Maywood's Dam Repairs | \$150,000 |
| Chiller - Perkins Bldg (Heat) | \$250,000 |
| Cooling Tower - Perkins Bldg | \$200,000 |
| Cooling Tower - Wallace Bldg | \$200,000 |
| Elevator Modernization Wallace | \$900,000 |
| HVAC & Automation Sys - Wallace Bldg | \$1,500,000 |

Subtotal

\$ 30,628,000

Significant Facility Maintenance and Repairs

Estimate

| | |
|---|-------------|
| Coates Building roof, masonry repairs, Brock auditorium repairs, window repairs, etc. | \$4,500,000 |
| Commonwealth Business Tower | \$6,000,000 |
| Elmwood Estate | \$1,500,000 |
| Keen Johnson Bldg Renovation | \$500,000 |
| Roof Replacement - Powell | \$1,000,000 |
| Begley Building | \$8,478,000 |
| Replace Rusted Roof Deck and Roof - Ramsey Heat Plant | \$1,000,000 |
| Roof Replacement - Rowlette | \$1,000,000 |
| Cooling Tower - University/Little Bldg | \$200,000 |

Subtotal

\$ 24,178,000

TOTAL

\$ 54,806,000

The project concepts presented reflect Board approval and are a current working sample of projects for reimbursement. The projects listed do not represent a final, definitive or complete selection of project needs nor do they represent the full obligation of the amounts appropriated for Eastern Kentucky University. University managers anticipate an evolving set of project needs over the coming biennium that, following deliberation, would be updated and revised for this grouping of priorities through the next two fiscal years. Obligation estimates are for context and information only and do not reflect final bid acceptance.

Kentucky State University
Preliminary List of Asset Preservation Pool Projects

Pool Funds

| | |
|--------------|------------------|
| Bond Funds | \$16,078,000 |
| Campus Match | <u>2,412,000</u> |
| Total | \$18,490,000 |

Campus Match - Anticipated Fund Sources

| | |
|---------------------|-------------|
| Institutional Funds | \$0 |
| Asset Pres. Fees | 2,412,000 |
| Donations | 0 |
| Agency Bonds | <u>0</u> |
| | \$2,412,000 |

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

- | | |
|--|---------------------|
| 1. Roof Repairs/Replacement | \$ 6,500,000 |
| <i>Academic Services Bldg. \$1.5M</i> | |
| <i>Combs Hall \$450K</i> | |
| <i>Chandler Hall \$400K</i> | |
| <i>Hill Student Center \$500K</i> | |
| <i>Jordan Maintenance Bldg. \$300K</i> | |
| <i>McCullin Hall \$850K</i> | |
| <i>The Halls (Old Young Hall) \$750K</i> | |
| <i>Hunter Hall \$375K</i> | |
| <i>Atwood Hall \$750K</i> | |
| <u>RATIONALE: Building's structure, interior components and finishes are compromised.</u> | |
| 2. Environmental, Health & Safety Repairs & Upgrades | \$ 1,591,000 |
| <i>Fire pump replacement ASB \$55K</i> | |
| <i>Jackson Hall fire panel replacement - \$7K</i> | |
| <i>Emergency eye wash stations upgrades \$5K</i> | |
| <i>Sprinkler systems deficiencies/repairs \$10K</i> | |
| <i>Bradford Hall chair lift upgrade \$10K</i> | |
| <i>COOP Bldg HVAC controller replacement \$15K</i> | |
| <i>Access - sidewalk repairs & replacement, handrails, building entries, toilets w/ADA compliant features \$250K</i> | |
| <i>Elevator emergency telephones repair & upgrades \$150K</i> | |
| <i>Fall protection/roof anchors on 8 buildings & railings a hatches \$40K</i> | |
| <i>Replace Uninterruptible Power Supply – multiple buildings \$125K</i> | |
| <i>Water heater in WM Young – replace \$12K</i> | |

Mold remediation – Kentucky Hall basement \$12K
Exum dry sprinkler pipe repair/replacement \$50K
Coal ash disposal sites capping \$75K
New wireless cards for fire panel dialers \$25K
Elevators repair and replacements \$750K

RATIONALE: Work addresses health, safety and wellbeing of staff, students and visitors as well as fire protection aspects of the buildings.

3. Building and Utilities Tunnels Hot/Chilled Water Piping Replacements **\$ 2,250,000**

Tunnels – Misc. Locations \$400K
Betty White \$300K
McCullin Hall \$500K
The Halls \$600K
Bradford Hall \$450K

RATIONALE: Work addresses the functionality of the heating and cooling components and system for continued use of the buildings.

4. Site Work/Grounds/Parking Repairs **\$1,000,000**

North Campus parking lot repairs
North Campus street repairs
South Campus parking lot repairs
South Campus additional site lighting
Campus wide parking/directional/control signage
Construct parking for new residence hall - \$500,000

RATIONALE: Work addresses safety and access issues.

5. Residence Hall Interior Renewal Work **\$4,600,000**

Flooring – replace carpet w/vinyl
Paint All Dorms: walls, doors, frames, misc.
Renovate common toilet/shower rooms - new tile, etc.

RATIONALE: Work addresses health, safety and wellbeing of staff, students.

6. HVAC Systems Repairs, Upgrades & Replacements **\$11,853,000**
(Indoor Air Quality Needs)

Automated Controls Replacement/Integration
Make up air systems
Fan coil unit replacements
Unit ventilator replacements
HVAC renovations
Reheat valve replacement
Coil replacements

RATIONALE: Work addresses health, safety and wellbeing of staff, students and visitors.

7. Building Envelope Improvements **\$7,500,000**

Window replacements
Brick sealants, caulking & waterproofing
Foundation waterproofing

Synthetic plaster repairs/replacement

RATIONALE: Building's structure, interior components and finishes are compromised.

8. Bell Gym Renovation (Interior & Exterior) \$3,000,000
33,000 sf

RATIONALE: Work addresses health, safety and wellbeing of staff, students and visitors.

9. Exum Center Renovation (Interior & Exterior) \$6,500,000
127,942 sf- Pool, Bleachers, lower floor, first floor, offices, classrooms, locker rooms, gym, etc.

RATIONALE: Work addresses health, safety and wellbeing of staff, students and visitors.

10. Bradford Hall Renovation (Interior) \$5,000,000

RATIONALE: Work addresses health, safety and wellbeing of staff, students and visitors.

TOTAL \$ 49,794,000

Morehead State University
Preliminary List of Asset Preservation Pool Projects

Pool Funds

| | |
|--------------|------------------|
| Bond Funds | \$35,222,000 |
| Campus Match | <u>5,284,000</u> |
| Total | \$40,506,000 |

Campus Match - Anticipated Fund Sources

| | |
|---------------------|------------------|
| Institutional Funds | \$1,517,949 |
| Asset Pres. Fees | 1,124,051 |
| Donations | 0 |
| Agency Bonds | <u>2,642,000</u> |
| | \$5,284,000 |

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

| Project | Building | Estimate |
|--|---|-------------|
| 1 HVAC and Electrical upgrade | Camden-Carroll Library | \$1,450,000 |
| 2 HVAC upgrade | Lappin Hall | \$50,000 |
| 3 HVAC upgrade | Ky Folk Art Center | \$40,000 |
| 4 HVAC upgrade | Howell McDowell Administration | \$404,799 |
| 5 HVAC upgrade | Rader Hall | \$308,823 |
| 6 HVAC upgrade | Claypool-Young Art Building | \$300,000 |
| 7 HVAC upgrade | Ginger Hall | \$340,064 |
| 8 HVAC upgrade | Bert Combs Bldg. | \$700,000 |
| 9 HVAC upgrade | Breckinridge Hall | \$300,000 |
| 10 HVAC upgrade | Enrollment Services (new) | \$300,000 |
| 11 HVAC upgrade | Baird Music Hall | \$400,000 |
| 12 HVAC upgrade | Button Auditorium | \$400,000 |
| 13 HVAC upgrade | Presidents Residence | \$11,111 |
| 14 HVAC upgrade | Fields Hall | \$210,000 |
| 15 HVAC upgrade | Mays Hall Apts. | \$200,000 |
| 16 HVAC upgrade | West Mignon Hall | \$120,000 |
| 17 HVAC upgrade | East Mignon Hall | \$100,000 |
| 18 HVAC upgrade | Normal Hall Apts. | \$50,000 |
| 19 Elevator | Cartmell Hall | \$559,000 |
| 20 Campus wide building automation system | Multiple E&G and residential facilities | \$400,000 |
| 21 Water Treatment Plant Sediment Basin design | Multiple E&G and residential facilities | \$113,040 |
| 22 Fire alarm system upgrade various E&G Buildings | Multiple E&G and residential facilities | \$52,000 |
| 23 Upgrade wireless campus communication systems | Multiple E&G and residential facilities | \$2,750,000 |
| 24 Fire Alarm System upgrade | Alumni Tower | \$80,000 |
| 25 New Roof | Nunn Hall | \$400,000 |

| | | |
|-----------------------------|---------------------------|---------------------|
| 26 New Roof | Mignon Tower | \$500,000 |
| 27 New Roof | Enrollment Services (new) | \$300,000 |
| 28 New Roof | Camden-Carroll Library | \$400,000 |
| 29 New Roof | Academic-Athletic Center | \$700,000 |
| 30 Life Safety upgrades | Alumni Tower | \$150,000 |
| 31 Steps | Alumni Tower | \$86,000 |
| 32 Modernization/Renovation | Cooper Hall | \$8,000,000 |
| To be determined | | \$20,331,163 |
| | | \$40,506,000 |

Rationale: Campus leaders identified these projects as timely and of high importance. Projects 1-20 address health and comfort needs of students and staff (HVAC and Mechanical related), Projects 21-24 and 30 address life/safety issues, Projects 25 - 29 address water infiltration and roof replacement needs and projects 31 -32 consist of renovating and modernizing buildings in need of significant repairs on campus.

September 7, 2022

Murray State University
Preliminary List of Asset Preservation Pool Projects

Pool Funds

| | |
|--------------|------------------|
| Bond Funds | \$47,176,000 |
| Campus Match | <u>7,078,000</u> |
| Total | \$54,254,000 |

Campus Match - Anticipated Fund Sources

| | |
|---------------------|--|
| Institutional Funds | \$0 |
| Asset Pres. Fees | 0 |
| Donations | 0 |
| Agency Bonds | <u>7,078,000</u> (Funded from Asset Preservation Fees) |
| | \$7,078,000 |

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

| <u>Project</u> | <u>Estimate</u> |
|--|---------------------------------------|
| 1. Renovate Applied Science - Enhancements and infrastructure for Hutson School of Ag & to include the relocation of Nursing and Health Professions Classrooms/Offices to Mason Hall or proposed new NHP Building. | \$10,824,000 |
| 2. Renovate Mason Hall Labs/Classrooms/Systems - enhancements for School of Nursing & Health Professions | \$10,824,000 |
| 3. Curris Center (student union) deferred maintenance | 6,065,000 |
| 4. Carr Hall HVAC upgrades and deferred maintenance | 5,740,000 |
| 5. Racer Arena heating replacement and addition of air conditioning | combined with above Carr Hall project |
| 6. Waterfield HVAC phase II air handler replacements | 700,000 |
| 7. CFSB Center cooling tower replacements | <u>625,000</u> |
| Total | \$34,778,000 |

Projects 1 and 2 include ADA improvements, updates necessary for academic programming, elevators replacement, HVAC and electrical maintenance.

Project 3 is an overall maintenance to prolong the usefulness of the building, to include new flooring, updating restrooms and fixtures, lighting enhancements.

Projects 4, 5 6 and 7 are badly needed replacements of heating and cooling systems and the peripheral work that goes with such a project.

Northern Kentucky University
Preliminary List of Asset Preservation Pool Projects

Pool Funds

| | |
|--------------|------------------|
| Bond Funds | \$46,794,000 |
| Campus Match | <u>7,020,000</u> |
| Total | \$53,814,000 |

Campus Match - Anticipated Fund Sources

| | |
|---------------------|-------------|
| Institutional Funds | \$7,020,000 |
| Asset Pres. Fees | 0 |
| Donations | 0 |
| Agency Bonds | <u>0</u> |
| | \$7,020,000 |

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

| Priority | Description | Estimate | Rating | Reason |
|----------|--|---------------|--------|------------------------|
| 1 | Fine Arts Floor Heaving Repair, HVAC & Fire Alarm | \$ 13,240,000 | U | Life Safety/High Risk |
| 2 | Nunn Hall Floor Heaving, MEP, Plumbing Infrastr. & RR Renovation | 8,800,000 | U | Life Safety/High Risk |
| 3 | Bus. Acad. Ctr Fire Alarm Modernization | 200,000 | U | Age/Poor Condition |
| 4 | MEP Fire Alarm Modernization | 220,000 | U | Age/Condition |
| 5 | Replace Norse Commons Rooftop HVAC Units | 350,000 | U | Poor Condition |
| 6 | Power Plant Boiler (2) Controls Upgrade | 380,000 | U | Urgent/High Risk |
| 7 | Callahan Boiler #2 and 3 Replacement | 225,000 | U/N | Age/Condition |
| 8 | Fine Arts Freight Elevator Modernization | 380,000 | N | Age/Condition |
| 9 | Campbell Hall HVAC System - Upgrade Return System | 450,000 | N | Age/Condition |
| 10 | Power Plant Rebuild Cooling Towers (6) | 545,000 | U | Urgent/Age/Condition |
| 11 | Landrum Refurbish Interior Stairwells | 345,000 | N | Poor Condition |
| 12 | Maintenance Bldg / Replace HVAC Rooftop Units | 175,000 | U | Age/Condition |
| 13 | Replace Rusted Street Light Poles Phase I | 550,000 | U & N | Structural/High Risk |
| 14 | Fine Arts Smoke Vent Repair | 150,000 | U | Condition/Asset Pres |
| 15 | Maintenance Bldg / Restore Roof | 540,000 | U | Condition/Asset Pres |
| 16 | Underground Water Line Valve Replacements | 225,000 | N | Non-Function/High Risk |
| 17 | Replace/Install New Exterior Railings, Univ. Suites | 45,000 | U | Life Safety/High Risk |
| 18 | Bus Acad. Ctr Façade Repairs/Clean/Caulk | 365,000 | N | Structural/High Risk |
| 19 | Nunn Hall Façade Repairs | 135,000 | N | Structural/High Risk |
| 20 | Concrete Sidewalk/Plaza Repairs | 500,000 | N | Condition/Asset Pres |
| 21 | Sewer Line Repairs | 500,000 | N | Age/Condition |
| 22 | Regents Hall Replace Floor & Bleachers | 600,000 | D | Age/Condition |
| 23 | Roadway Pavement Repairs Phase I | 400,000 | N | Condition/Asset Pres |
| 24 | Fine Arts Skylight Repairs | 170,000 | N | Age/Condition |
| 25 | Fire Alarm Cable Assessment & Upgrades | 200,000 | N | Age/Condition |
| 26 | Replace Flooring | 150,000 | N | Age/Condition |
| 27 | Signage Replacement | 30,000 | N | Age/Condition |
| 28 | Misc. Deferred Maintenance Needs, TBD | 400,000 | N | Age/Condition |
| 29 | KY Hall/Commonwealth Hall Emergency Generator | 225,000 | N | Age/Condition |
| 30 | Regents Hall Emergency Generator | 175,000 | N | Age/Condition |
| 31 | Steely Emergency Generator | 320,000 | N | Age/Condition |

| | | | | |
|----|--|-----------|---|----------------------|
| 32 | Steely Replace Switchgear | 525,000 | N | Age/Condition |
| 33 | Univ Center Replace Switchgear | 330,000 | N | Age/Condition |
| 34 | Landrum Floor Heaving/Plumbing Infrastr. & RR Renov. | 3,950,000 | N | Poor Condition |
| 35 | Admin Center Plumbing Infrastr. & RR Renovation | 1,750,000 | N | Poor Condition |
| 36 | Nunn Hall Restore Roof | 540,000 | N | Condition/Asset Pres |
| 37 | Fine Arts Water Heater Replacement | 25,000 | N | Age/Condition |
| 38 | Steely Fire Alarm Modernization | 90,000 | N | Age/Condition |
| 39 | Steely Elevator Modernization (Orig Passenger Elev.) | 350,000 | N | Age/Condition |
| 40 | Student Union Restore Roof | 2,500,000 | N | Age/Condition |
| 41 | Roadway Pavement Repairs Phase II | 400,000 | N | Condition/Asset Pres |
| 42 | Replace Flooring | 150,000 | N | Age/Condition |
| 43 | Misc. Deferred Maintenance Needs, TBD | 400,000 | N | Age/Condition |
| 44 | Steely HVAC System Replacement | 5,900,000 | N | Age/Condition |
| 45 | Northern Terrace Upgrade Elevators | 340,000 | N | Age/Condition |
| 46 | Replace 1,800' Steel Gas Lines | 2,200,000 | N | Condition/Asset Pres |
| 47 | Regents Hall Replace Switchgear | 450,000 | N | Age/Condition |
| 48 | Campbell Hall Restore Roof | 790,000 | N | Condition/Asset Pres |
| 49 | Replace Flooring | 100,000 | N | Age/Condition |
| 50 | Misc. Deferred Maintenance Needs, TBD | 400,000 | N | Age/Condition |
| 51 | Replace Parking Lot L Lights | 60,000 | N | Age/Condition |

\$ 52,240,000

RATINGS

| | |
|---|-----------|
| U | urgent |
| N | necessary |
| D | desired |

Western Kentucky University
Preliminary List of Asset Preservation Pool Projects

Pool Funds

| | |
|--------------|--------------|
| Bond Funds | \$68,080,000 |
| Campus Match | 10,212,000 |
| Total | \$78,292,000 |

Campus Match - Anticipated Fund Sources

| | |
|---------------------|--------------|
| Institutional Funds | \$10,212,000 |
| Asset Pres. Fees | 0 |
| Donations | 0 |
| Agency Bonds | 0 |
| | \$10,212,000 |

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

| E&G Building | Asset Preservation Action | Rationale | Estimate |
|--------------------------------------|---|--------------------------------|-----------------|
| Academic Complex (AC) | Window Refurbishment/Waterproofing | Building Envelope Preservation | \$500,000 |
| Academic Complex (AC) | Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system. | Indoor Air Quality (HVAC) | \$105,000 |
| Agricultural Exposition Center (AEC) | Refurbish, clean, and upgrade controls of AHUs (6) | Indoor Air Quality (HVAC) | 75,000 |
| Agricultural Exposition Center (AEC) | Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system. | Indoor Air Quality (HVAC) | 85,000 |
| CAM E&G | Steam Repairs (reliability) | Indoor Air Quality (HVAC) | 3,000,000 |
| CAM E&G | Outdoor Lighting LED Conversion (Safety) | Life Safety | 1,500,000 |
| CAM E&G | High Voltage Distribution System | Life Safety | 3,000,000 |
| CAM E&G | Sanitary Sewer System | Infrastructure Reliability | 1,500,000 |
| CAM E&G | Domestic Water System | Infrastructure Reliability | 600,000 |
| CAM E&G | Fiber Optic Cabling System | Infrastructure Reliability | 2,000,000 |
| CAM E&G | Building Automation System Upgrades | Indoor Air Quality (HVAC) | 2,000,000 |
| CAM E&G | Natural Gas Systems | Infrastructure Reliability | 500,000 |
| CAM E&G | Storm Water System | Infrastructure Reliability | 1,000,000 |
| Cravens Library (RCL) | Generator Replacement (reliability) | Life Safety | 75,000 |
| Cravens Library (RCL) | Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system. | Indoor Air Quality (HVAC) | 150,000 |
| Cravens Library (RCL) | Screen Wall Replacement | Building Envelope Preservation | 100,000 |
| Cravens Library (RCL) | AHU 3/4 Replacement (IAQ) | Indoor Air Quality (HVAC) | 1,000,000 |
| Cravens Library (RCL) | Window Wall repair | Building Envelope Preservation | 75,000 |
| Cherry Hall | HVAC AHU Replacement (IAQ) | Indoor Air Quality (HVAC) | 750,000 |
| Cherry Hall | HVAC Chiller Replacement (Comfort) | Indoor Air Quality (HVAC) | 375,000 |
| Cherry Hall | Coping Replacement | Building Envelope Preservation | 240,000 |
| Cherry Hall | Cornice Reseal | Building Envelope Preservation | 55,000 |
| Cherry Hall | Cupola inspection/scaffolding | Building Envelope Preservation | 130,000 |

| | | | |
|--|---|--------------------------------|------------|
| Cherry Hall | Roof coating/warranty extension | Building Envelope Preservation | 170,000 |
| Cherry Hall | Bathroom Refurbishment | Interior Modernization | 2,000,000 |
| Cherry Hall | LED Modifications | Interior Modernization | 500,000 |
| Cherry Hall | Soft Cost (Design) | Interior Modernization | 3,000,000 |
| Cherry Hall | Electrical/Mechanical refurbishment | Life Safety | 3,000,000 |
| Cherry Hall | Window Refurbishment/Waterproofing | Building Envelope Preservation | 400,000 |
| Cherry Hall | Generator Replacement | Life Safety | 75,000 |
| Cherry Hall | Elevator conversion/refurbishment | Life Safety | 250,000 |
| Cherry Hall | Electric Reheat installation (IAQ) | Indoor Air Quality (HVAC) | 350,000 |
| Cherry Hall | Design Assesment and Construction | Interior Modernization | 15,000,000 |
| Central Heat Plant | Feedpump replacement/Repair (reliability) | Indoor Air Quality (HVAC) | 325,000 |
| Science &Technology Hall (STH), (New name; College High Hall, (COHH)) | Thru Wall HVAC replacement | Indoor Air Quality (HVAC) | 350,000 |
| Science &Technology Hall (STH), (New name; College High Hall, (COHH)) | Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system. | Indoor Air Quality (HVAC) | 30,000 |
| Science &Technology Hall (STH), (New name; College High Hall, (COHH)) | Replace Generator | Life Safety | 70,000 |
| Collonade | Refurbishment/Restoration | Building Envelope Preservation | 750,000 |
| Center for Research and Development | Roof refurbishment | Building Envelope Preservation | 5,200,000 |
| Center for Research and Development | Overall Facility Renewal | Interior Modernization | 2,000,000 |
| Engineering & Biological Sciences | Roof coating/warranty extension | Building Envelope Preservation | 350,000 |
| Engineering & Biological Sciences | Phoenix Valve Replacement (IAQ) | Indoor Air Quality (HVAC) | 300,000 |
| Engineering & Biological Sciences | VAV Upgrade (IAQ) | Indoor Air Quality (HVAC) | 190,000 |
| Engineering & Biological Sciences | Elimination of Pneumatics (IAQ) | Indoor Air Quality (HVAC) | 80,000 |
| Environmental Science & Technology | Elimination of Pneumatics (IAQ) | Indoor Air Quality (HVAC) | 130,000 |
| Environmental Science & Technology (EST) | Chiller Renewal - 200 Ton (IAQ) | Indoor Air Quality (HVAC) | 400,000 |
| Environmental Science & Technology (EST) | Replace Air Handling Units #1 & #2 | Indoor Air Quality (HVAC) | 530,000 |
| Environmental Science & Technology (EST) | Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system. | Indoor Air Quality (HVAC) | 325,000 |
| Environmental Science & Technology (EST) | Upgrade of VAV unit Controllers (IAQ) | Indoor Air Quality (HVAC) | 190,000 |
| Environmental Science & Technology (EST) | Upgrade of Phoenix unit Controllers (IAQ) | Indoor Air Quality (HVAC) | 280,000 |
| Environmental Science & Technology (EST) | Rooftop safety | Life Safety | 10,000 |
| Environmental Science & Technology (EST) | Soft refurbishment (Lights/paint/flooring) | Interior Modernization | 1,500,000 |
| Environmental Science & Technology (EST) | Elevator conversion/refurbishment | Life Safety | 250,000 |
| Ivan Wilson Fine Arts Center (FAC) | Rooftop safety | Life Safety | 10,000 |
| Ivan Wilson Fine Arts Center (FAC) | Replace AHU #1 at FAC | Indoor Air Quality (HVAC) | 225,000 |
| Ivan Wilson Fine Arts Center (FAC) | Roof Replacement (lower sections/hole) | Building Envelope Preservation | 350,000 |
| Ivan Wilson Fine Arts Center (FAC) | Elevator Car conversion/refurbishment | Life Safety | 350,000 |
| Ivan Wilson Fine Arts Center (FAC) | 4 Pipe Conversion (completion) | Indoor Air Quality (HVAC) | 500,000 |
| Ivan Wilson Fine Arts Center (FAC) | RM Theater Lighting Modifications | Interior Modernization | 75,000 |
| Ivan Wilson Fine Arts Center (FAC) | Thru Wall HVAC replacement (IAQ) | Indoor Air Quality (HVAC) | 400,000 |
| Faculty House | External refurbishment (chinking)/Roof replacement | Building Envelope Preservation | 100,000 |
| Florence Schneider Hall (FS), (New Name; Academy for Mathmatics and Sciences of KY (FS)) | Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system. | Indoor Air Quality (HVAC) | 95,000 |
| Gary Ransdell Hall | Natural Gas Line Replacement | Infrastructure Reliability | 50,000 |
| Grise Hall | Rooftop safety | Life Safety | 25,000 |
| Grise Hall | Duct Cleaning (IAQ) | Indoor Air Quality (HVAC) | 200,000 |
| Grise Hall* | Chiller Renewal (IAQ) | Indoor Air Quality (HVAC) | 410,000 |
| Grise Hall* | Electrical Repair - Switchgear | Infrastructure Reliability | 1,600,000 |
| Gordon Wilson Hall | Elevator Installation `(ADA Access to upper floors) | Life Safety | 3,000,000 |
| Health Services Center (HS) | Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system. | Indoor Air Quality (HVAC) | 140,000 |

| | | | |
|--|---|--------------------------------|-----------|
| Industrial Education Building | Roof Improvements (In-Process) | Building Envelope Preservation | 140,000 |
| Industrial Education Building | External stone repair - replace spalled stones and improper stone repairs. | Building Envelope Preservation | 150,000 |
| Industrial Education Building | Carpet replacement (its bad) | Interior Modernization | 75,000 |
| Industrial Education Building | Chiller Replacement | Indoor Air Quality (HVAC) | 300,000 |
| Industrial Education Building | Storm Drain Refurbishment | Infrastructure Reliability | 25,000 |
| Industrial Education Building | Elimination of Pneumatics (IAQ) | Indoor Air Quality (HVAC) | 75,000 |
| Mass Media & Technology Hall (MMTH), (New Name; Jody Richards Hall (JRH)) | Roof Coating | Building Envelope Preservation | 980,000 |
| Mass Media & Technology Hall (MMTH), (New Name; Jody Richards Hall (JRH)) | Elimination of Pneumatics (IAQ) | Indoor Air Quality (HVAC) | 150,000 |
| Mass Media & Technology Hall (MMTH), (New Name; Jody Richards Hall (JRH)) | Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system. | Indoor Air Quality (HVAC) | 150,000 |
| Knically Conference Center | Rooftop safety | Life Safety | 10,000 |
| Kentucky Building | Rooftop safety | Life Safety | 25,000 |
| Kentucky Building | Envelope/Plaster Repairs | Building Envelope Preservation | 450,000 |
| Kentucky Building | Roof Coating/Warranty Extension | Building Envelope Preservation | 250,000 |
| LOG Cabins | External Repairs | Building Envelope Preservation | 25,000 |
| Hardin Planatorium | HVAC Installation (remove from KTH) | Indoor Air Quality (HVAC) | 300,000 |
| Potter Hall | Air Make-up units Replacement (7) (IAQ) | Indoor Air Quality (HVAC) | 875,000 |
| Potter Hall | Rooftop safety | Life Safety | 50,000 |
| Potter Hall | 4 Pipe Conversion (thru wall conversion?) (IAQ) | Indoor Air Quality (HVAC) | 1,000,000 |
| Snell Hall (SH) | Rooftop safety | Life Safety | 35,000 |
| Snell Hall (SH) | Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system. | Indoor Air Quality (HVAC) | 145,000 |
| South Campus (SC) | Elimination of Pneumatics (IAQ) | Indoor Air Quality (HVAC) | 150,000 |
| South Campus (SC) | Upgrading Metasys N2 to BACnet. This is critical project for maintaining an efficient energy management system. | Indoor Air Quality (HVAC) | 200,000 |
| South Campus (SC) | Roof refurbishment | Building Envelope Preservation | 570,000 |
| South Campus (SC) | Chiller Replacement (IAQ) | Indoor Air Quality (HVAC) | 400,000 |
| South Campus (SC) | Academic Wing roof Coating | Building Envelope Preservation | 570,000 |
| Service Supply Building | Freight Elevator Replacement (old and not reliable) | Life Safety | 500,000 |
| Various Locations | BACNET from N2 Conversion Critical Systems | Indoor Air Quality (HVAC) | 1,400,000 |
| Various Locations | BACNET from N2 Conversion Non-Critical Systems | Indoor Air Quality (HVAC) | 1,500,000 |
| Van Meter Hall | Rooftop safety | Life Safety | 40,000 |
| Van Meter Hall | Plaster repair (water damage) | Interior Modernization | 75,000 |
| Wetherby Administration Building | 4 Pipe Conversion (true 4 pipe) | Indoor Air Quality (HVAC) | 250,000 |
| Wetherby Administration Building | Porch rip/replace (water intrusion) | Building Envelope Preservation | 25,000 |
| Wetherby Administration Building | Chiller Replacement (IAQ) | Indoor Air Quality (HVAC) | 500,000 |

\$75,740,000

September 7, 2022

KCTCS

Preliminary List of Asset Preservation Pool Projects

Pool Funds

| | |
|--------------|-------------------|
| Bond Funds | \$179,262,000 |
| Campus Match | <u>26,890,000</u> |
| Total | \$206,152,000 |

Campus Match - Anticipated Fund Sources

| | |
|---------------------|--------------|
| Institutional Funds | \$26,890,000 |
| Asset Pres. Fees | 0 |
| Donations | 0 |
| Agency Bonds | <u>0</u> |
| | \$26,890,000 |

Figures above represent the biennial total authorized Bond Funds and Agency Bonds. Projects below do not necessarily equal the total pool funds available.

Project Detail

| PROJECT TITLE | Estimate |
|--|-------------|
| Renovate and/or Construct Transportation Training Center - Ashland CTC | \$5,900,000 |
| Renovate Main Building Phase II - Ashland CTC | 34,000,000 |
| Roof Replacements - Ashland CTC | 2,200,000 |
| Roof Replacements - Big Sandy CTC | 3,200,000 |
| Renovate Administration Building - Bluegrass CTC | 9,700,000 |
| Renovate Science Building Labs - Elizabethtown CTC | 6,400,000 |
| Student Center Roof - Elizabethtown CTC | 400,000 |
| Site Development Improvements - Elizabethtown CTC | 999,000 |
| Parking Lot Paving Main Campus - Elizabethtown CTC | 999,000 |
| Roof Replacements - Gateway CTC | 4,000,000 |
| Mechanical Equipment and Controls - Gateway CTC | 4,500,000 |
| Renovate Jolly Classroom Center - Hazard CTC | 6,300,000 |
| HVAC Upgrades - Hazard CTC | 4,700,000 |
| Slide Remediation - Hazard CTC | 1,000,000 |
| Student Center Relocation & Demolition - Henderson CC | 1,000,000 |
| Administration -Replace Doors and Windows - Henderson CC | 600,000 |
| Building Controls/Energy Mgt - Henderson CC | 1,000,000 |
| Renovate Academic Building - Hopkinsville CC | 13,900,000 |
| HVAC Upgrade Academic Building - Hopkinsville CC | 3,500,000 |
| Renovate and/or Replace Hartford Building Phase I - Jefferson CTC | 22,500,000 |
| Renovate Science Labs - Jefferson CTC | 3,000,000 |
| Renovate Technical Campus - Madisonville CC | 3,400,000 |
| Renovate Aviation - Madisonville CC | 1,700,000 |
| Glema Mahr Roof - Madisonville CC | 1,188,000 |
| Roof Replacements - Maysville CTC | 1,300,000 |
| Parking Lot Repairs - Maysville Campus - Maysville CTC | 999,000 |
| Window Leaks - Maysville CTC | 999,000 |

| | |
|---|------------|
| Upgrade Fire Alarms - Maysville CTC | 1,500,000 |
| Replace HVAC System Phase I - Main Campus - Owensboro CTC | 4,100,000 |
| Exterior Repairs - Owensboro CTC | 520,721 |
| Upgrade Life and Fire Safety - Owensboro CTC | 2,400,000 |
| Southeast Roof Repairs - Owensboro CTC | 600,000 |
| Renovate Laurel South Campus Phase I - Somerset CC | 6,000,000 |
| Life Safety Upgrades - Somerset CC | 4,300,000 |
| Upgrade HVAC South Campus - Somerset CC | 2,300,000 |
| ADA Upgrades - Somerset CC | 1,600,000 |
| Replace Windows & Doors - Somerset CC | 1,200,000 |
| Valley Oak Renovation - Somerset CC | 999,000 |
| Renovate Main Campus Buildings - Southcentral CTC | 10,000,000 |
| Roof Replacements - Southeast KY CTC | 1,500,000 |
| Mechanical Equipment Upgrades - Southeast KY CTC | 7,000,000 |
| Renovate Pineville Campus - Southeast KY CTC | 3,500,000 |
| Renovate Main Campus Buildings - West KY CTC | 5,000,000 |
| Renovate Parking Lot and Sidewalks - West KY CTC | 3,400,000 |
| Fire Alarm Upgrades Group 1 - KCTCS | 999,000 |
| Fire Alarm Upgrades Group 2 - KCTCS | 999,000 |

\$197,301,721