

**Appendix SBU-5
Campus Capital Plan
Major Rehabilitation and Large Projects**

Major Rehabilitation:

Major rehabilitation involves such extensive work, building must be vacated.

1) Old Chemistry (43,022 NASF, 84,393 GSF)

Estimate - \$20 million

- Upgrade HVAC
- Replace MEP systems and equipment throughout
- New roof
- Rehab/replace elevator
- Provide fire sprinkler system
- Upgrade fire alarm system
- Asbestos abatement throughout
- Replace existing windows
- Upgrade lighting throughout
- ADA compliance issues

2) Harriman (64,567 NASF, 106,738 GSF)

Estimate - \$ 26 million

- Upgrade HVAC
- Replace MEP systems and equipment throughout
- Repair roof
- Rehab/replace elevator
- Provide fire sprinkler system
- Replace fire alarm system
- Asbestos abatement throughout
- Upgrade lighting throughout
- Replace windows

3) Student Union (97,148 NASF, 149,600 GSF)

Estimate - \$ 28 to 38 million

- Replace HVAC equipment
- Repair MEP equipment throughout
- Replace/repair 13.8kv transformer
- Rehab elevators
- Asbestos abatement throughout
- Upgrade lighting throughout
- Provide fire sprinkler system
- Replace fire alarm system throughout
- Replace roof
- ADA compliance issues
- Address bridge issues
- Replace Windows

Estimates are based on approximately \$ 200/sq. ft. and are renovation only. Costs are escalated through 2004 include standard 5% bidding contingency and 5% construction contingency. Cost estimates include design, construction and equipment funds.

Large projects:

Large projects involve considerable expenditure but do not involve total vacating of the premises. May be disruptive to building occupants.

1) Life Science

- Repair plaza decks (leaks)
- Renovate HVAC throughout
- Rehab elevators
- Rehab brick façade
- Rehab greenhouse
- Provide sprinkler system
- Replace fire alarm system
- Make corridors fire code compliant

2) Math/Physics

- Restore brick façade
- Repair plaza deck structural damage
- Replace cooling tower
- Upgrade fume hood duct work
- Restore corridor fire walls
- Provide fire sprinkler system
- Replace MEP systems and equipment throughout
- Replace fire alarm system
- Rehab elevators (math)

3) Grad Chem -

- Provide new windows at bridge
- Replace AC units
- Remove lead paint from lab ceilings
- Replace existing windows
- Replace ACT (asbestos)
- Provide fire sprinkler system
- Replace fire alarm system

4) ISC and Pritchard Gym

- Renovate HVAC throughout (Prichard gym)
- Provide A/C for ISC arena
- Modernize elevators
- Replace pool piping equipment
- Complete Locker room renovations
- Provide fire sprinkler system
- Replace fire alarm system

5) Computer Science

- Replace HVAC throughout
- Repair roof leak in EER
- Provide fire sprinkler system

6) HSC

- Wall, column and lintel project Phases 3 and 4
- Provide fresh air supply fans
- Complete Fire sprinkler system
- Replace/restore fire alarm system
- Upgrade A core freight elevator
- Upgrade C+D core freight elevators
- Renovate loading dock
- Replace escalators

7) Hospital

- Repair oxygen piping in patient areas
- Provide fire sprinkler system in common areas
- Replace fire alarm system
- Replace gaskets at exterior curtain wall
- Study and renovate basement kitchen
- Additional freight elevators

8) Replacement/repair of roofs: (in priority order)

- 1) Earth and Space Science
- 2) Fine Arts
- 3) East Campus Power Plant
- 4) SBS
- 5) Grad Chem
- 6) Clinical Science Tower
- 7) Basic Science Tower
- 8) Math/Physics
- 9) West Campus Power Plant
- 10) Life Sciences
- 11) Infirmary
- 12) Old Engineering
- 13) Hospital
- 14) Administration
- 15) Pritchard Gym
- 16) Suffolk Hall
- 17) Westchester Hall
- 18) Dutchess Hall

9) Campus wide

Replace old, obsolete building fire alarm systems with new, modern, fully addressable systems.

10) ADA Compliance

Follow original 18 building Schematic Design Report (about \$9 million)

Utility Infrastructure Projects:

These are representative samples of projects that would be funded. There is a pending study for the campus utility infrastructure that would identify a list of projects to be considered for this category.

- 1) West Campus Power Plant, - Add 3rd 4500 ton chiller
- 2) Revise chilled water supply piping system.
- 3) Replace 13.8kv feeders 4 and 5.
- 4) Increase capacity of Sewage Treatment Plant.
- 5) East Campus – Construct new 69 kv electric substation.
- 6) Main Campus – replace buried HTHW piping.
- 7) Improve Telephone/communications utility system.
- 8) HSC/Hospital - Repair/replace sanitary sewage lines.
- 9) Replace gas distribution piping.
- 10) Increase Capacity of Recharge Basins