### Item 1
**Agency:** H12 Clemson University

**Project:** 9849, Institute for Packaging Design & Graphics

**Purpose:**
To revise the scope and construct an approximately 27,000 square foot facility for the Institute for Packaging Design and Graphics at Clemson. The university originally planned to renovate and add space in Newman Hall, a 1954 facility designed for agriculture operations. An analysis determined the Newman Hall location was not feasible because of utility relocation requirements, environmental issues, and limited area for expansion. The new facility will be constructed near Lee Hall and the Fluor Daniel Engineering Building and will provide classrooms and labs for packaging and graphics design undergraduate and graduate students. The agency reports the total projected cost of this project is $7 million and additional annual operating costs ranging from $10,900 to $143,000 will result in the three years following project completion.

**Action Proposed:**
Increase budget from $300,000.00 to $7,000,000.00

**(Add $6,700,000.00 [9] Other, Operating Revenues)**

**Supporting document pages 1-3**

<table>
<thead>
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### Item 2
**Agency:** H12 Clemson University

**Project:** 9854, Earle Hall High Bay Conversion

**Purpose:**
To comply with all building code compliance issues to convert a one-story high bay area to a two-story office/lab area in Earle Hall at Clemson. The work will include HVAC and structural improvements, the addition of ventilation hoods and a stairwell, and associated work to provide an additional 3,370 square feet of useable space for chemical engineering. The original estimated cost did not include all costs for seismic remediation, fire suppression, and other code compliance issues that have been determined to be needed. The agency reports the total projected cost of this project is $1,210,000 and no additional annual operating costs will result from this request.

**Action Proposed:**
Increase budget from $610,000.00 to $1,210,000.00

**(Add $300,000.00 [9] Other, Institutional Capital Project Funds)**

**(Add $300,000.00 [9] Other, Operating Revenues)**

**Supporting document pages 4-6**

<table>
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Action Proposed: Increase budget from $10,052,514.51 to $11,500,000.00
(Add $1,447,485.49 [9] Other, Operating Revenues)

Purpose: To revise the scope to add an additional 4,100 square feet and to cover current cost estimates to construct a 28,100 square foot annex to Rhodes Hall at Clemson. The annex will provide space for faculty offices and research in bioengineering and biomedical sciences. During schematic design, program requirements and synergies with existing programs’ site constraints in Rhodes Hall resulted in additional square footage needs, additional code modifications were incorporated, and construction cost increases were accounted for in determining the current project budget. The agency reports the total projected cost of this project is $11.5 million and additional annual operating costs ranging from $90,000 to $185,000 will result in the three years following project completion.

Ref: Supporting document pages 7-9

Item 4. Agency: H18 Francis Marion University Project: 9556, Smith University Center Indoor Pool Deferred Maintenance

Action Proposed: Increase budget from $275,000.00 to $967,272.06
(Add $392,272.06 [9] Other, Research University Infrastructure Bonds)
(Add $300,000.00 [9] Other, Maintenance Reserve)

Purpose: To address indoor pool deferred maintenance in the Smith University Center at Francis Marion. The center was constructed in 1974 with an indoor pool for physical education and recreational activities. High humidity and chlorine gases have corroded windows, doors, pool equipment and the suspended support system, creating safety issues. To correct these problems, work will include removing the suspended ceiling, sandblasting and repainting the structure, replacing the corroded HVAC with a dehumidification system and ductwork, replacing pool equipment, light fixtures, windows, and doors, and repairing the pool deck. The agency reports the total projected cost of this project is $967,272 and no additional annual operating costs will result from the project.

Ref: Supporting document pages 10-12
Summary of Permanent Improvement Project Actions Proposed by Agencies Forwarded to JBRC 4/5/07

February 2, 2007 through April 2, 2007


Action Proposed: Increase budget from $600,000.00 to $847,500.00

(Add $247,500.00 [9] Other, Housing Maintenance Reserve)

Purpose: To revise the scope and cover current cost estimates to replace the 93 year-old slate roof on Woodrow College at USC. The project was originally established in 2003 and postponed due to changing housing maintenance priorities. USC now plans to proceed with replacing the roof and to also include repairing the cornice and fascia, all of which are showing significant signs of deterioration and are required to protect the building envelope. The agency reports the total projected cost of this project is $847,500 and no additional annual operating costs will result from the project.

Ref: Supporting document pages 13-15


Action Proposed: Increase budget from $25,036,000.00 to $28,036,000.00

(Add $2,500,000.00 [3] Revenue Bonds, Athletic)
(Add $3,000,000.00 [3] Revenue Bonds, Athletic BAN)
(Subtract $2,500,000.00 [9] Other, Institutional Funds)

Purpose: To revise the scope to add additional seating and cover costs to excavate rock on the site to construct a new baseball stadium for USC. The additional funds will provide for the addition of five suites and a club area, totaling 196 additional seats, and will cover the cost of removing subsurface rock found during site investigations. Market analysis performed by the Gamecock Club and the Athletics Department indicates a demand for five suites with 24 seats each and a club seating area for 76. Test borings done during preliminary site investigation determined rock exists 5.5 feet below grade that will have to be excavated to construct the stadium as planned. The agency reports the total projected cost of this project is $28,036,000 and additional annual operating costs ranging from $35,545 to $142,178 will result in the three years following project completion.

Ref: Supporting document pages 16-18
Summary of Permanent Improvement Project Actions Proposed by Agencies
February 2, 2007 through April 2, 2007

Item 7.  
Agency: H37   USC - Lancaster  
Project: 9508, Deferred Maintenance

Action Proposed: Increase budget from $317,510.00 to $417,510.00
(Add $100,000.00 [9] Other, Institutional Funds)

Purpose: To cover the low bid to renovate the HVAC system in USC-Lancaster’s Hubbard Hall. The renovation will provide improved control of the heating and air conditioning systems and provide for the introduction of fresh air into the facility. The building was built in 1964 and has had no major renovations to the HVAC system since. An energy audit found the facility uses 100% recirculated air which presents a health issue for students, faculty and staff. The funds in this project, along with deferred maintenance Research University Infrastructure Bonds approved for H37-9507, Hubbard Hall HVAC Renovation, will provide total funding for the renovation. The agency reports the total projected cost of this HVAC work funded by both projects is $966,260 and no additional annual operating costs will result from the project.

Ref: Supporting document pages 19-21

Budget After Action Proposed

Source | Amount
--- | ---
Capital Improvement Bonds | 17,510.00
Appropriated State | 300,000.00
Other, Institutional Funds | 100,000.00
Total Funds | 417,510.00

Item 8.  
Agency: H59   Tech & Comp Education  
Project: 9960, Aiken - Building 100/200 Flooring Renovation

Action Proposed: Increase budget from $510,000.00 to $610,000.00
(Add $100,000.00 [9] Other, Local Funds)

Purpose: To cover unanticipated additional costs found after renovation of Building 100/200 at Aiken Tech started. This flooring project is being done in conjunction with H59-9913, Aiken – Building 100/200 Renovations for general refurbishment, funded with deferred maintenance Research University Infrastructure Bonds. As demolition work began in Building 200, mechanical and electrical deficiencies were uncovered that must be corrected and the college anticipates additional costs will be incurred to upgrade the data wiring to classrooms and offices. To cover these and other unanticipated costs that may occur in renovating Building 100, additional funds are needed. The agency reports the total projected cost of the renovations funded by both projects is $1,432,899 and no additional annual operating costs will result from the project.

Ref: Supporting document pages 22-24

Budget After Action Proposed

Source | Amount
--- | ---
Other, Local Funds | 610,000.00
Total Funds | 610,000.00
Item 9.  
**Agency:**   H59   Tech & Comp Education  
**Project:**   9982, Denmark - Roof Repair/Replacement  

**Action Proposed:** Establish Project  

**Total budget:** $469,138.02  

**Purpose:** To replace the roofs on nine buildings at Denmark Tech. The roofs are more than 25 years old, are leaking and have been repaired several times. Due to the age of the roofing systems and the development of new leaks, replacement is the most cost effective option. Funds are being transferred from project H59-9795, Denmark – Learning Resource Center New Construction. The agency reports the total projected cost of this project is $469,138 and operating cost savings ranging from $8,000 to $10,580 will result in the three years following project completion.  

**Ref:** Supporting document pages 25-27  

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Item 10.  
**Agency:**   E24   Adjutant General  
**Project:**   9715, North Charleston National Guard Armory Roof Replacement  

**Action Proposed:** Increase budget from $397,455.00 to $1,100,000.00  

(Add $351,277.50 [9] Other, Earmarked Rental & Unit Maintenance Funds)  

**Purpose:** To complete replacement of the 35 year-old roof at the North Charleston National Guard Armory. The work will include removing the existing roof and insulation down to the decking and installing a new rosin and fiberglass roofing system with metal roof flashing. The existing roof is deteriorating and beyond repair and is being replaced in phases as funds become available. The agency reports the total projected cost of all phases of this project is $1.1 million and no additional annual operating costs will result from the project.  

**Ref:** Supporting document pages 28-30
### Item 11

**Agency:** E24 Adjutant General  
**Project:** 9730, Batesburg National Guard Armory Roof Replacement  

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**Purpose:** To replace the 40 year-old roof at the Batesburg National Guard Armory. The work will include removing the existing roof and insulation down to the decking and installing a new roofing system with metal roof flashing. The existing roof is deteriorating and beyond repair. The agency reports the total projected cost of this project is $300,000 and no additional annual operating costs will result from the project.

**Ref:** Supporting document pages 31-33

### Item 12

**Agency:** E24 Adjutant General  
**Project:** 9731, Florence National Guard Armory Roof Replacement  

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<tr>
<td></td>
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**Purpose:** To replace the 40 year-old roof at the Florence National Guard Armory. The work will include removing the existing roof and insulation down to the decking and installing a new roofing system with metal roof flashing. The existing roof is deteriorating and beyond repair. The agency reports the total projected cost of this project is $450,000 and no additional annual operating costs will result from the project.

**Ref:** Supporting document pages 34-36
### Item 13.  
**Agency:** E24 Adjutant General  
**Project:** 9732, Lancaster National Guard Armory Roof Replacement  

**Action Proposed:** Establish Project

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**Total budget:** $500,000.00

**Appropriated State:** $250,000.00

**Federal:** $250,000.00

**Purpose:** To replace the 35 year-old roof at the Lancaster National Guard Armory. The work will include removing the existing roof and insulation down to the decking and installing a new roofing system with metal roof flashing. The existing roof is deteriorating and beyond repair. The agency reports the total projected cost of this project is $500,000 and no additional annual operating costs will result from the project.

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**Ref:** Supporting document pages 37-39

### Item 14.  
**Agency:** N04 Department of Corrections  
**Project:** 9676, Perry Correctional Institution Lift Station Upgrade  

**Action Proposed:** Increase budget from $247,000.00 to $292,000.00

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**Purpose:** To cover the bid to renovate the wastewater lift station at the Perry Correctional Institution. Bids were taken and the low bid exceeds the original project budget due to increased costs since the project was established in June 2006. The existing pump continuously breaks down, the secondary backup pump is inoperable, the valves are corroded, and the system frequently blows the electrical breakers. The design of the force main interface restricts the flow, causing the pump to exceed design limits. Funds are being transferred from projects N04-9647, Water-Waste Water Improvements, N04-9648, Wateree Well and Chemical Feed System, and N04-9665, Institutional Repairs and Maintenance. The agency reports the total projected cost of this project is $292,000 and no additional annual operating costs will result from the project.

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**Ref:** Supporting document pages 40-42
### Item 15
- **Agency:** H18 Francis Marion University
- **Project:** 9555, Smith/Hyman HVAC Systems Deferred Maintenance
- **Action Proposed:** Decrease budget from $475,000.00 to $264,530.74 (Subtract $210,469.26 [9] Other, Research University Infrastructure Bonds)
- **Purpose:** To close the project and transfer needed funds to project H18-9556, Smith University Center Indoor Pool Deferred Maintenance.
- **Ref:** Supporting document pages 43-44

### Item 16
- **Agency:** H18 Francis Marion University
- **Project:** 9554, Various Buildings Miscellaneous Deferred Maintenance
- **Action Proposed:** Decrease budget from $645,594.00 to $463,791.20 (Subtract $181,802.80 [9] Other, Research University Infrastructure Bonds)
- **Purpose:** To transfer needed funds to project H18-9556, Smith University Center Indoor Pool Deferred Maintenance.
- **Ref:** Supporting document pages 45-46

### Item 17
- **Agency:** H59 Tech & Comp Education
- **Project:** 9795, Denmark - Learning Resources Center New Construction
- **Action Proposed:** Decrease budget from $2,000,000.00 to $1,530,861.98 (Subtract $469,138.02 [0] Capital Improvement Bonds)
- **Purpose:** To close the project and transfer needed funds to project H59-9982, Denmark – Roof Repair/Replacement.
- **Ref:** Supporting document pages 47-48
### Item 18
- **Agency:** N04 Department of Corrections
- **Project:** 9665, Institutional Repairs and Maintenance

**Action Proposed:** Decrease budget from $1,645,995.19 to $1,631,290.94

(Subtract $14,704.25 [0] Capital Improvement Bonds)

**Purpose:** To transfer needed funds to project N04-9676, Perry Correctional Institution Lift Station Upgrade.

**Ref:** Supporting document pages 49-50

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### Item 19
- **Agency:** N04 Department of Corrections
- **Project:** 9648, Wateree Well & Chemical Feed System

**Action Proposed:** Decrease budget from $250,000.00 to $244,704.25

(Subtract $5,295.75 [0] Capital Improvement Bonds)

**Purpose:** To close project and transfer needed funds to project N04-9676, Perry Correctional Institution Lift Station Upgrade.

**Ref:** Supporting document pages 51-52

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### Item 20
- **Agency:** N04 Department of Corrections
- **Project:** 9647, Water - Waste Water Improvements

**Action Proposed:** Decrease budget from $200,000.00 to $175,000.00

(Subtract $25,000.00 [0] Capital Improvement Bonds)

**Purpose:** To transfer needed funds to project N4-9676, Perry Correctional Institution Lift Station Upgrade.

**Ref:** Supporting document pages 53-54

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