

## Roof Replacement: College -- No. 876664

Category                    Montgomery College  
Subcategory                Higher Education  
Administering Agency    Montgomery College  
Planning Area              Countywide

Date Last Modified        March 04, 2008  
Required Adequate Public Facility    No  
Relocation Impact        None  
Status                      On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY07	Est. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	1,055	654	113	288	0	96	60	32	50	50	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	6,940	3,350	1,628	1,962	0	648	396	218	350	350	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>7,995</b>	<b>4,004</b>	<b>1,741</b>	<b>2,250</b>	<b>0</b>	<b>744</b>	<b>456</b>	<b>250</b>	<b>400</b>	<b>400</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

Current Revenue: General	1,248	1,248	0	0	0	0	0	0	0	0	0
G.O. Bonds	5,544	1,553	1,741	2,250	0	744	456	250	400	400	0
State Aid	1,203	1,203	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>7,995</b>	<b>4,004</b>	<b>1,741</b>	<b>2,250</b>	<b>0</b>	<b>744</b>	<b>456</b>	<b>250</b>	<b>400</b>	<b>400</b>	<b>0</b>

#### DESCRIPTION

This project provides for the replacement/major repair of roofs and entrance canopies on buildings at all three campuses, including the addition of roof insulation as part of the replacement work. Project costs are based on comprehensive roof surveys of all College buildings completed in 2004. An update to this survey will be conducted in 2008.

#### JUSTIFICATION

The College has implemented a roof replacement/renovation program to respond to the aging of building roofs. The program provides for the periodic evaluation of roofs on a four year cycle. The current roof replacement/major repair schedule (2004) delineates specific building projects through FY12. This schedule will be updated again in FY08. Roofs requiring major renovation are generally ten years or older in age. In the initial replacement cycle, approximately 33% of the construction cost is for the addition of roof insulation on each building. Added insulation results in an average five year payback due to reduced energy costs and lower first costs of mechanical equipment retrofits in building renovations. This project is coordinated with the College's building renovation program and with the replacement of major roof-top building equipment.

Collegewide Roof Surveys (2004), Collegewide Facilities Condition Assessment (11/06) and Collegewide Facilities Master Plan (1/04).

#### OTHER

By County Council Resolution #12663, the cumulative project appropriation was reduced by \$65,000 in FY92. In addition, the State share was reduced \$65,000 in FY92. FY87-FY91, and FY93 project funding was 100% current revenue. FY92 funding was current revenue and State aid. No appropriations were made to this project in FY94 and FY95. In FY96, funding was changed to G.O bonds and State aid. State aid applies only to roof replacement design and construction. Roof surveys are 100% County G.O. bond funded.

The FY03 appropriation request of \$327,000 (\$231,000 - G.O. Bonds and \$96,000 - State Aid) was combined with \$136,000 in unused State aid previously appropriated by the County to provide a total of \$463,000 in funding for the planned FY03 roof replacement projects.

FY2009 Appropriation: 0

#### OTHER DISCLOSURES

- Montgomery College asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.
- \* Expenditures will continue indefinitely.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY87	(\$000)
First Cost Estimate		
Current Scope	FY09	7,995
Last FY's Cost Estimate		7,426
Appropriation Request	FY09	0
Appropriation Request Est.	FY10	744
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		5,745
Expenditures / Encumbrances		4,622
Unencumbered Balance		1,123
Partial Closeout Thru	FY06	0
New Partial Closeout	FY07	0
Total Partial Closeout		0

#### COORDINATION

Energy Conservation (CIP#816611)  
PLAR: College (CIP#926659)  
FY09 -- Collegewide Roof Surveys & Major Repairs, Science & Applied Studies Clay Tile (GT) and PE Clay Tile (GT)  
FY10 -- Physical Education (RV)  
FY11 -- Campus Center (RV)  
FY12 -- North Pav. (TP/SS), Math Pav. (TP/SS), Info. Sci. Pav. (TP/SS), Student Services Pav. (TP/SS)  
FY13 -- Collegewide Roof Survey & Major Repairs

#### MAP

