

# Macklin Tower Alterations (P036603)

Category                    Montgomery College  
 Sub Category            Higher Education  
 Administering Agency   Montgomery College (AAGE15)  
 Planning Area            Rockville

Date Last Modified            11/17/14  
 Required Adequate Public Facility    No  
 Relocation Impact            None  
 Status                            Under Construction

Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
-------	--------------	-------------	------------------	-------	-------	-------	-------	-------	-------	-----------------

## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,591	831	760	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0
Construction	9,013	4,333	64	4,616	2,000	2,616	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>10,604</b>	<b>5,164</b>	<b>824</b>	<b>4,616</b>	<b>2,000</b>	<b>2,616</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	10,604	5,164	824	4,616	2,000	2,616	0	0	0	0
<b>Total</b>	<b>10,604</b>	<b>5,164</b>	<b>824</b>	<b>4,616</b>	<b>2,000</b>	<b>2,616</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		10,604
Expenditure / Encumbrances		5,164
Unencumbered Balance		5,440

Date First Appropriation	FY 03
First Cost Estimate	
Current Scope	FY 14                    10,604
Last FY's Cost Estimate	10,604

### Description

This project provides funding for major building infrastructure improvements to Macklin Tower including replacement of major mechanical, electrical, and plumbing systems and equipment; upgrade/replacement of life safety systems (fire alarm, emergency generator and sprinkler systems); upgrade/replacement of building elevators; and building access upgrades. The College completed a facilities condition assessment of the building in August 2002 that evaluated all building systems and related equipment and identified major repair and/or replacement requirements.

### Estimated Schedule

Project construction is scheduled to be completed in the Fall of 2019

### Justification

Macklin Tower was constructed in 1971 and this forty-two year old facility is experiencing a progressive deterioration of building systems and major pieces of building equipment. It has now reached the point that addressing the problem of a deteriorating building infrastructure is beyond the scope of a maintenance effort and that building repairs are no longer adequate or cost effective. Key components of the HVAC, mechanical and electrical systems are outdated, energy inefficient, and costly to continue to repair. The refurbishment and/or replacement of major building systems and related equipment will significantly extend the useful life of the building and correct safety and environmental problems. This project is coordinated with the College's FY02 supplemental appropriation request to the PLAR project (CIP #P926659) to correct significant water and air infiltration problems with a failing exterior curtain wall framing system and a deteriorating sealant used on all of the building's windows. The College completed a building condition assessment in 2002 that provides a detailed evaluation of building deficiencies and initial cost estimates for major repairs, equipment replacements, and related improvements. Schematic Design for Curtain Wall Remediation - Macklin Tower (5/25/01) and Curtain Wall and Building Envelope Investigation - Macklin Tower (3/16/01). Collegewide Facilities Condition Assessment (12/13) and Collegewide Facilities Master Plan Update (1/15).

### Other

The following fund transfer has been made from this project: \$400,000 to the Takoma Park Campus Expansion Project (# 996662) (BOT Resol. # 07-01-005, 01/16/07). Funding Source: \$10,604,000 (G.O.Bonds). Note: The Library Renovation and Other (Furniture, Fixtures, and Equipment) costs are currently estimated at \$4.5 million, and \$500,000 respectively pending final design. These costs are not shown in the expenditure schedule.

### Fiscal Note

In December 2001, the County Council approved an FY02 supplemental capital budget appropriation of \$2,075,000 to the PLAR project (CIP #P926659) to replace the building's exterior curtain wall to correct problems associated with a failing exterior curtain wall framing system and a deteriorating window sealant. The exterior curtain wall replacement was completed in spring 2003. An engineering evaluation of the building's fire alarm system and emergency generator was completed in August 2002 and a design/build replacement of this system and equipment was completed in summer 2003 for the tower. Mechanical and electrical equipment upgrades of floors 2-6 in the tower have been completed (2004/2005). The current focus is mechanical, electrical and plumbing upgrades for the ground floor, and FY09 and beyond will focus on the 3-story Library wing of the building.

## Macklin Tower Alterations (P036603)

### **Coordination**

Energy Conservation: College (CIP No. P816611), Planned Lifecycle Asset Replacement: College (CIP No. P926659), Roof Replacement: College (CIP No. P876664)