District:	Chelmsford
School Names:	Byam Elementary School Chelmsford High School
Recommended Category:	Project Funding Agreement Green Repair Program
Date:	March 30, 2011

Recommendation

That the Executive Director be authorized to enter into a Project Funding Agreement with the Town of Chelmsford to repair the roof at the Byam Elementary School and replace the windows and doors at the Chelmsford High School.

District Info	
District Name:	Chelmsford
Elementary Schools:	5 – Byam Elementary School Center Elementary School Charles D Harrington Elementary School South Row Elementary School Community Education Center
Middle Schools:	2 – Colonel Moses Parker School McCarthy Middle School
High Schools:	1 – Chelmsford High School

School Info		
School Name:	Byam Elementary School	Chelmsford High School
Type of School:	Elementary School	High School
Grades Served:	K-4	9-12
Year Opened:	1970	1974
Total Building Square Footage:	60,441	285,882
Building Issues:	17-year-old roof with leaks & insufficient insulation	38-year-old single pane windows with failing sealant
2010-2011 Enrollment:	525	1,573

MSBA Votes	
Invited into Green Repair:	November 17, 2010
Project Funding Agreement Authorization:	March 30, 2011

Consultants	
Owner's Project Manager:	Vertex Construction Services, Inc.
Designer:	Russo Barr Associates, Inc.

Discussion

The OPM and Designer conducted a feasibility analysis of the facilities and developed a proposed scope of work, schedule and estimated budget. At the Byam Elementary School, the Designer recommends a new roofing system that would include the provision of additional insulation and a new 60 mil PVC membrane with new flashing and scuppers. At the High School, the Designer recommends replacing the 38-year-old windows with single glazing.

MSBA staff have reviewed the consultants' existing conditions analysis and proposed schedule provided by the District and have met with the District and its consultants to discuss the scope and budget. The District has confirmed that the new roofing system and windows will be in compliance with the Green Repair Program sustainability requirements.

The District has provided a total project budget of $2,300,000 which includes an estimated final construction cost of $2,046,057. Construction costs include $8.25/sf for the new roofing system and $93.07 for replacement of the windows and doors. The basis of the Total Facilities Grant would be $2,300,000. The project budget breakdown is shown in the table below:

Name:	**Byam School**	**High School**	**DISTRICT TOTAL**
Project Scope:	Roof: 41,000 sf	Windows: 1,240 sf, 32 doors	
Total Project Budget:	$500,000	$1,800,000	$2,300,000
Total Construction Budget:*	$428,742	$1,617,315	$2,046,057
Construction Cost / SF:	$8.25	$93.07	
Basis of Total Facilities Grant:	$500,000	$1,800,000	$2,300,000
Reimbursement Rate:	49.31%	49.31%	49.31%
Maximum Total Facilities Grant:	$246,550	$887,580	$1,134,130

* Does not include Construction Contingency

MSBA staff recommends a maximum total facilities grant for each project in the amount set forth in the chart above, up to a maximum Total Facilities Grant of $1,134,130 for the Project Funding Agreement for the Town of Chelmsford. These amounts are subject to adjustment based on the MSBA's audit of project costs incurred by the District.