

**TOWN OF MILLIS  
FISCAL YEAR 2020 BUDGET**

**FORM #7  
WARRANT ARTICLE REQUEST**

DEPARTMENT: School Department  
DIVISION:

BUDGET REQUESTED: \$100,000

PROJECT TITLE: **Engineering Studies for MHS Facilities**

LOCATION: Millis Middle High School

JUSTIFICATION/NEED FOR PROJECT: The Millis Middle High School Roof was replaced in 2000 and is at the end of its useful life. During any rainstorm, dozens of leaks exist through the building compromising electrical systems and affecting classrooms, hallways, and core facilities. The mechanical system, which includes the rooftop units, boilers, ventilation system, unit ventilators, and more is not only equally old but cannot keep the building cool during the increased number of hot days in the spring and the fall. Some of these systems are already failing as seen by other requests being made for the fall of FY 20. We expect the engineering study will define what our needs are to replace both of these systems, which will include assisting us to define the scope, sequence, and technical aspects and associated budgets for application to the Massachusetts School Building Authority as well as for Invitations to Bid or Requests for Proposals to be issued to determine actual design and project pricing for both the roof and mechanical work. Based upon the advice of the authors of the 2014 Tetra Tech study that originally examined these systems and others, they feel the \$100,000 is a solid number to use, but a broader description should be used as their might be related testing or small studies that need to be conducted that impact these two systems. For example, the electrical system might need to be studied to see if it can support a new HVAC system; the structural support may need to be tested to determine what types of roofing are options based upon its load-bearing rating.

WHAT FISCAL YEAR IS PROJECT ANTICIPATED TO BEGIN? Engineering FY 20. Project FY 21

ESTIMATED USEFUL LIFE: Engineering Three years. Project 20 years

COST:

1. DESIGN \$100,000
2. LAND ACQUISITION
3. CONSTRUCTION
4. INSPECTION
5. EQUIPMENT

IS THERE ANY FORM OF REIMBURSEMENT AVAILABLE TO DEFRAY THE COST OF THE PROJECT? Yes. There is a warrant article on the books to repair the Clyde Brown Roof. We believe it has approximately \$48,405 remaining that is unspent at the conclusion of this fiscal year. There is also a warrant article for Air Quality Testing that currently has \$6,900 available, though we expect to spend approximately \$3,500 in the new Clyde Brown School. We also believe there may be approximately \$15,000 remaining from the Library Carpet Warrant Article approved in the fall of 2018.

IS THE PROJECT REVENUE PRODUCING? IF SO, HOW MUCH? No  
EXPECTED ADDITIONAL MAINTENANCE & OPERATION COSTS. No  
WILL THE PROJECT REMOVE PROPERTY FROM THE TAX LIST: No

VALUE: \$