

**Town of Millbury  
R.E. Shaw School Feasibility Committee  
Regular Session Meeting - 18  
Minutes**

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TOWN CLERK  
2019 JUL -3 PM 2:55  
MILLBURY, MASS.

**Date:** May 1, 2019

**Present:** Mr. Plante, Chairperson, Mrs. Nietupski, Vice Chairperson, Mr. Myers, Superintendent, Mr. Tarka, Mr. Halacy, Mrs. Friedman, Mr. Despres, Mr. Tuccio, Mrs. Boulanger, Ms. Ryan, Mrs. Teixeira, Mr. Decatur, Mr. Kuphal, Mr. O'Connor

**Hill International:** Mr. Billings,  
**T2:** Mr. Turowski, Mrs. Turowski

**Absent:** Mr. Marciello, Town Manager, Mrs. Decatur, Mr. Wiltshire, Mr. Bedard, Business Manager, Mr. Pine,

**Time:** 6:00 pm

**Location:** Millbury Jr. /Sr. High School Media Center

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- **Call to Order**  
Mr. Plante brought the meeting to order at 6:20pm.
- **Approval of Minutes from the March 30, 2019 meeting**  
Mr. Myers made a motion to accept the minutes from April 22, 2019, seconded by Mr. Halacy. All approved.
- **Old Business**
  - a. **Working Group – Facilities and Building Systems**  
Mr. Chris Garcia gave a Powerpoint presentation to the Committee regarding the plumbing system. He stated that the sanitary waste system requirement for exterior grease traps must be confirm with the Department of Public Works. There will be a new municipal water supply into the building. Due to the issues with water quality in town we are waiting for the results from a water quality test to determine the filtration system requirements. He stated that the Working Group discussed plumbing fixtures that would be high efficiency, low flow water to reduce the amount of water used in the building. The goal is to reduce the water supply to 30% less than what a code required typical system would be. There will be natural gas in the building which would be used to heat the water and to heat the high efficiency boilers.  
  
Mr. Rivera stated that the Working Group narrowed the mechanical options to five. He stated that a lifecycle cost analysis was performed to study each of the options; such as the initial cost, the lifecycle energy savings, and consumption of electrical and gas. The Baseline option is a system with standard efficiency boiler plant. Option 1 is active chilled beams or induction units with dedicated outdoor air system and high-efficiency boiler and chiller plants. Option 2 is displacement dehumidification system with radiant heating panels and induction units. Option 2A, which is the option the Working Group would like to move forward, is a dehumidification system with radiant heating panels and full AC displacement in specific areas without the chilled beams and chiller plants. Option 3 is a full air conditioner displacement systems and option 4 is the same as 3

without the boiler plant and it utilizes a geo thermal system with wells. A discussion took place regarding the areas that would be air conditioned.

Mr. Periera stated that the electrical systems is a new three phase system. He stated that this is a switch board system. He stated that there will be a K13 transformer, which will protect sensitive electronics. Mr. Periera stated that a KYZ Meter which monitors the usage of electricity in the building will give a signal to the building management to make proper adjustments to certain areas to reduce the usage. Mr. Periera stated that a discussion regarding lighting control and lighting targets took place during the Working Group. He stated that a high efficiency LED lighting program would provide the highest efficiency available. The Fire Alarm System is an addressable fire alarm system according to code. The emergency generator will be run by natural gas, which is the preferred fuel type by the Working Group. Mr. Periera stated that this still needs to be confirmed by the electrical inspector. A discussion took place during the Working Group meeting regarding what technology would be in a classroom. The school will be 100% wireless, assistive listening devices in all classrooms, and docking stations for laptops.

**b. Design Updates**

Mr. Turowski stated that they have begun developing the site plan around the suggestions of the Facilities Working Group. He stated that the bus loop has been pulled further in and is gated off to be a play area during the day. Mr. Turowski stated that the access road has to be 20ft wide to the back of the building per the Fire Department.

**c. Working Group - Safety and Security**

Mr. Turowski stated that the Fire Department requires a driving lane 10ft wide around the building. He also stated that during the meeting a discussion took place regarding traffic flow. Mr. Turowski stated that a discussion to number doors, separate lock boxes for police and fire departments in the front and back of the building, and using different colors to distinguish areas in the school. Mr. Turowski stated that protective glass and security cameras were discussed. He also stated that security glass which resists breaking should be install in the main entrance, and possibly the stairwells, along with the lower windows in the cafeteria.

**d. Plan Updates**

Mr. Turowski stated that a bathroom with outside access has been added to the project. He stated that he was considering elevation changes to the building which provides better accessibility to all doors. Mr. Turowski stated that they are working on the Media Center to develop the three work spaces that were noted in the educational program. The social work space; where students work together less formally where conversation and productive noise is acceptable, the collaborative space for project based learning, and the individual and small group reading areas. He stated that most of roof will be flat but some areas will be elevated. The exterior will be mostly brick.

**e. Proprietary Items**

Mr. Billings suggested tabling this item until the next meeting

**f. CM at Risk vs. Design Bid Build**

Mr. Billings explained the process that is used for a CM at Risk project and a Design Bid Build. He stated that the CM at Risk is great for complicated projects such as a large high school or a technical high school. Mr. Billings stated that a Design Bid Build you must have a completed package to put out to bid. He stated that most elementary schools are Design Bid Build. Mr. Turowski stated that he is very comfortable with a Design Bid Build project. Mr. Halacy made a motion to select Design Bid Build for the project, seconded by Ms. Ryan. All approved.

**Dates:** A Public Forum will be held May 15<sup>th</sup> and June 6<sup>th</sup>.

- **New Business**
- **Public Comment** – There was no public comment.
- **Next Meeting** - May 15, 2019 6:00pm Millbury Jr./Sr. High School Media Center  
**7:00pm Public Forum**
- **Adjournment** – Ms. Ryan made a motion to adjourn the meeting, seconded by Mrs. Boulanger. All approved.

Respectfully submitted,

*Donna Freitas*

Donna Freitas

Executive Assistant to the Superintendent

Approved:

Miriam Friedman

Al. Sun

[Signature]

Susan Leyerud

Don McD

Paul Halasz

Michael O

Scott Deemer

Jennifer B. Minter

E. Bernard White

R. Bedard

[Signature]

**Email Attachments:**

Minutes from April 22,, 2019

Agenda