

TO: Board of Education
FROM: John Trenholm, Director of Facilities
RE: Quaker Ridge Roof Replacement
DATE: May 5, 2014

Answers to Questions:

1. Please provide a detailed description of the entire scope of the proposed project.

Replace approximately 34,000 sq. ft. of the 1950's wing flat EPDM gravel covered roof.

2. Why is the project needed in your building? Please include logistical, enrollment, infrastructure, curricular, - security, and other current concerns that it will address.

The roof was installed in 1991 with an original warranty span of 10-15 years and has outlived its useful lifespan. We have been able to prolong it with a proactive approach to maintenance, including re-sealing all of the seams, but the frequency of repairs and continued roof failures warrant a replacement at this time.

3. What are the implications of the project for emerging instructional methods and 21st century learning? Please describe some specific instructional plans for the space.

N/A

4. Please describe the features of the space that will provide flexibility as new instructional methods are introduced.

N/A

5. Does the project provide new opportunities for collaborative and interdisciplinary instruction? Please describe.

N/A

6. How does the project contribute to the sense of community and connectedness in the building?

N/A

7. Does the project scope address specialized instructional programs such as the arts, physical education, special education services, etc. Please describe the specific instructional uses for the new space.

N/A

8. Does the project incorporate the use of technology as an integrated feature of the space?

N/A

9. Will the project reflect environmental and sustainability improvements? Connections to the outdoors?

"Green" roof features will be studied to see if they can be incorporated into this work. While the existing building structure probably cannot support a true "green roof" (i.e., one that incorporates planted surfaces) we will be examining items like white, heat-reflective materials and improved insulating materials. The progress of this will not be visible to the staff or students, but the progress and upkeep of it can be documented and be a part of the sustainability curriculum.

10. If the project doesn't get the green light, how will the problems identified above be resolved?

If the project is not approved, additional funds will be needed in the annual budget over the next several years to address the continuing EPDM roof failures.