

North Summit School District School Board is planning to bond for a
new high school and indoor pool



New High School and Aquatic Center

new high school and indoor pool



Process & Background

- North Summit Pool Constructed in 1966
- North Summit High School Opened 1977
- First Graduating Class Spring 1978

- High School Facility Assessment Completed April / May 2024
- Facility Assessment Presented to the Board of Trustees May 15 2024
- More Robust Pool Facility Assessment Completed July 2024

“Where students are on the top of our priority list.”

North Summit School District 1974 Construction Documents

Modifications to the High School have been relatively minor over the years.

- Art and CTE have been moved to the old Middle School
- A wrestling room was added on 2004
- A small, temporary enclosure was added to accommodate SPED



North Summit School District

Create a Safe, Comfortable Environment

new high school and indoor pool

Primary load bearing walls for the building are brick masonry, except for the westernmost wall of the gymnasium, which is comprised of precast double-T members. The brick masonry appears to be multi-wythe construction (multiple layers of brick placed against one another) but there is no evidence of reinforcement. Given the timeframe of construction, even if reinforcement is present, it is likely well below minimum modern standards (reinforcement amount and geometry) that would enable satisfactory performance. Without meeting minimum reinforcement standards, even reinforced walls can behave as unreinforced masonry walls. As a result, the likelihood of seismic damage is high, with a compromised ability of the walls to support the rather heavy precast concrete roof deck. Recent earthquakes (including Magna Utah, 2020) showed a preponderance of damage in assemblies such as these. A parallel issue is that the masonry walls appear to lack collar joints (masonry units within the wall oriented perpendicular to the wall to bridge across and link wythes together). With this, there is a lack of continuity between masonry layers in the walls and strong probability of wythe separation during an earthquake. This is an issue that is exacerbated by relatively high masonry wall height to thickness ratios. When wall height is large in comparison to thickness, the potential for out-of-plane wall buckling becomes greater. If wythes of masonry begin to fall away, the thickness of the wall diminishes even more and the height to thickness ratio issue is exacerbated. Such issues are deemed to be particularly problematic at areas of high roofs such as the auditorium and gymnasium of North Summit High School.

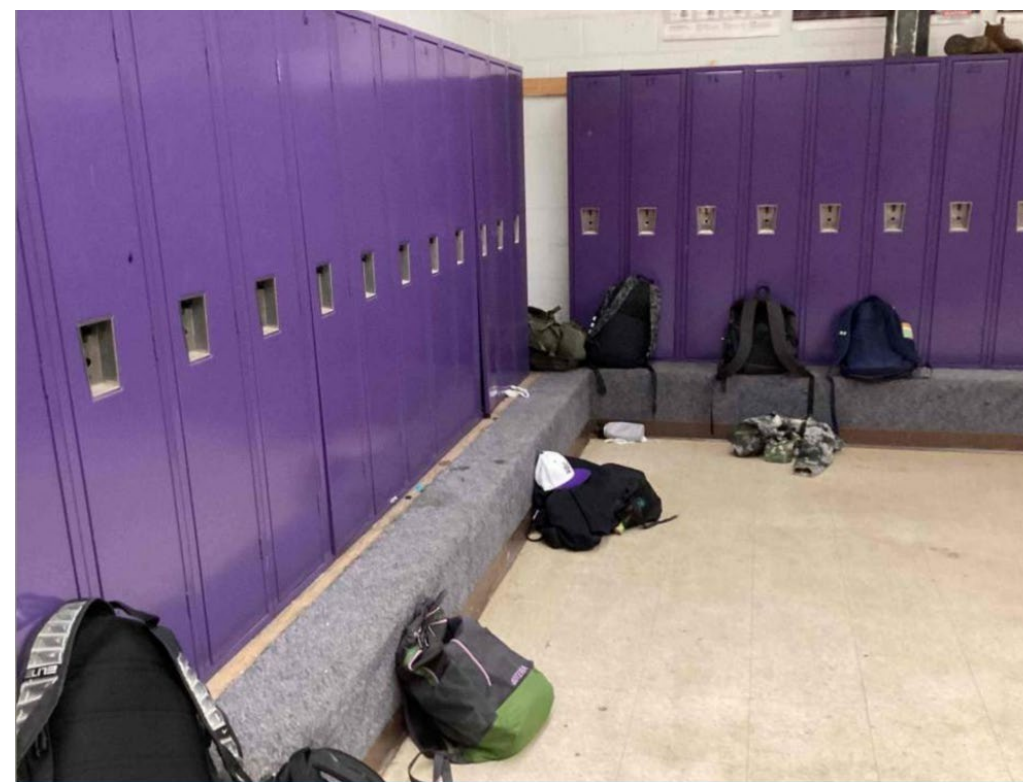
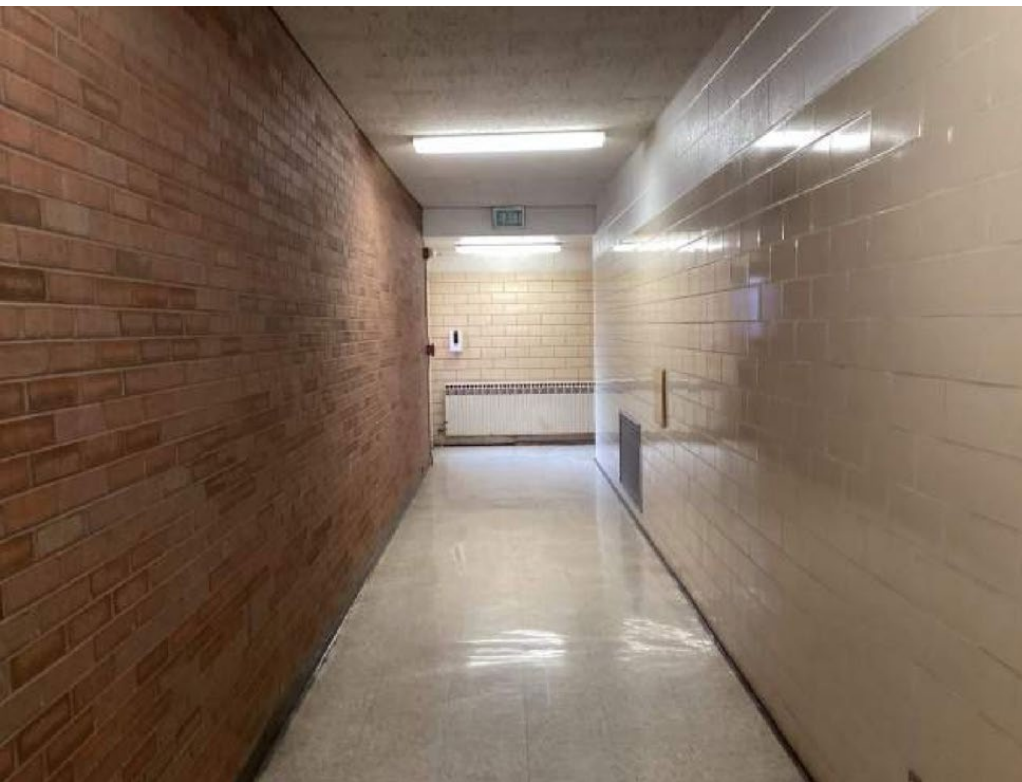
Key Concerns

- The concrete roof of the school weighs more than 2.5 times that of a contemporary roof, and the masonry walls are not steel-reinforced, which may result in extensive damage during an earthquake.
- The entire roof needs to be resurfaced.
- The air handlers are original, and the boilers are nearing the end of life. All systems need to be replaced.
- The waste piping is nearing failure and needs to be replaced.
- The electrical system has vulnerabilities in the service connection, main panel, and corrosion that must be addressed.

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Key Concerns

- The school does not include contemporary school security features such as a secure vestibule and wide, observable hallways, and the ability to partition areas of the school for after-hour and community use
- Multiple entryways are difficult to observe, manage, and secure
- Transparency for teachers to observe students outside of the classroom and deter bullying and inappropriate behavior is limited
- The interior finishes, including ceilings, flooring, millwork, and doors are generally in poor condition and require reinvestment
- There is no air conditioning in warm weather, and the building envelope is not insulated, which results in cold spots in the winter

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Support Evolving Programs & Technologies

new high school and indoor pool



Key Concerns

- Technology is varied and antiquated systems can be found throughout the school
- The classroom size and configuration limits the ability to teach in diverse ways
- Students do not have places to gather and collaborate outside of the library within the school environment
- Faculty are making due with the furniture and storage available



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Accommodate Activities, Performances & Events

new high school and indoor pool



Key Concerns

- Parking is limited and often insufficient to meet community needs for events
- Gymnasium size and configuration are limiting for large events, and floor maintenance is a challenge with where people enter the gym
- The auditorium is a wonderful community asset, but it has aged and needs new lighting and audio/visual technology systems
- The current 6-lane track is narrower than a standard 8-lane track



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Create a Safe, Comfortable Environment

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Key Concerns

- The pool has been well-maintained, but the structure is over 50-years old, beyond the anticipated lifespan of an aluminum pool
- Humidity has caused corrosion in the materials, finishes, electrical, and mechanical systems within the pool area and adjacent spaces
- Many elements of the current pool and supporting systems are no longer code-compliant
- The pool is not regulation size for high school and USA swimming standards
- Spectator seating is insufficient to meet the needs of the community

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While the NSSD has done an excellent job maintaining the facility for the last 47+ years, the current High School is at the end of its useful life.

The current school would have substantial costs and extensive construction impacts to repair and extend its life.

- The final school would still have many of the current school's limitations

THE SCHOOL BOARD RECOMMENDS BUILDING A NEW HIGH SCHOOL TO BEST MEET THE NEEDS OF THE STUDENTS AND COMMUNITY.

Where students are on the top of our priority list.

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A new high school would be constructed on the district-owned property southwest of the Coalville Cemetery

- The new high school would have a 640-student capacity with the ability to expand to meet future needs
- The site is large enough to accommodate:
 - The new high school
 - A competition and auxiliary gym
 - A new auditorium
 - Space for growth
 - A new football stadium with 8-lane track, practice field, baseball diamond, softball diamond and outdoor courts
 - Ample parking for the school and events



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new high school and indoor pool



The existing high school would be demolished, and a new aquatic center would be built in the location of the existing high school

- Space for a future recreation center would be preserved on this site to meet future community needs
- Track, football field, and baseball diamond to remain for school district and community use

North Summit School District
Project Process
new high school and indoor pool



Existing Facilities Continue to Operate



General Obligation
Bond Passes

Design Process

New Construction



New High School
Opens

Existing School
Demolished

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North Summit School District
Project Process
new high school and indoor pool

Existing Pool Continues to Operate



Existing School Demolished

New Indoor Pool Construction



New Pool Opens

Existing Pool Demolished

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Bond Impact

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A general obligation bond is required to fund these projects

The anticipated total bond amount would be \$114,000,00 to be paid over a 20 year period.

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