



Project Update
July 30, 2015

Rib Lake Area School District
Facility Upgrades 2015

Overview

Construction progress continues in all three schools. Upgrades and improvements have generally gone quite well and the contractors have been very cooperative in coordinating their work with summer school and other school events. The excessive rain days this summer have impacted the roofing schedule slightly but roofing completion is still expected prior to the start of the 15/16 school year. The windows have a significant lead time and expected delivery and subsequent installation is currently scheduled for September 28th. Other projects are on schedule at this time.

Project Summary

- HVAC – Existing equipment has been removed to accommodate new air handling units, roof top units, unit ventilators, and energy recovery ventilators. New ductwork for air distribution has been installed in the middle school and duct installation has begun in the High School. Equipment will be arriving beginning in late July and installation, hook up, and terminations will follow as equipment arrives. Control wiring has been installed for new thermostats, controllers, and valves.
- Roofing – Many roof areas have been removed and replaced and other areas will be upgraded throughout most of the summer. Roof areas at the High School are nearly complete. Removal of existing roof systems are being replaced with new membranes, added insulation, and improved details.
- Building Envelope Improvements – Improvements have been made to the building shell at all three schools resulting in a “tighter envelope”. Work that has been completed includes providing spray foam insulation at pipe penetrations and roof to wall transitions. Weather stripping and door sweeps have also been replaced throughout.
- Plumbing - The existing flush tanks have been removed and have been replaced with automatic flush valves. Water heaters have been replaced with new energy efficient units in all three schools.
- Electrical - Work that has been completed includes upgrades to the gym lighting in the Elementary School, new panelboards and switchgear at the Middle School and High School, Providing generator back up power for the school IT equipment, and electrical conduit has also been installed for new HVAC equipment.
- Biomass Boiler – Preliminary work for the biomass boiler has begun and will continue throughout the month of August. The new system will be complete and ready for the upcoming heating season.

Upcoming work:

Installation of new sheet metal ductwork in the High School, installation of new HVAC equipment, New HVAC controls at the Middle School and High School, upgraded HVAC controls at the Elementary School and integration into the new Direct Digital Controls system, removal and replacement of exterior caulking at all three schools, continuing with roofing upgrades including new prefinished architectural sheet metal coping, window replacements at the Middle and High School, Continuing to place IT equipment on Generator back up power, stage lighting upgrades, and preliminary work for the Biomass Boiler.

Progress Photos:

- Can be seen on the following page.



Old roofing systems have been removed down to the metal deck.



New fully adhered membrane roofing is nearly complete in selected areas at the High School.



Improved roofing details. Architectural sheet metal will be installed during the month of August.



Sheet metal air distribution ducts are nearly complete at the Middle School



The sheet metal HVAC ductwork is nearly complete and is currently being insulated in the Middle School.



An overhead door is being installed to accommodate the new biomass boiler and related equipment.