

The Twin Valley School District has begun the Phase 2 work to continue to address the heating, ventilation, and air-conditioning (HVAC) needs in District buildings. The District has decided to proceed with this work because:

- Existing mechanical systems under consideration for this project are 20-30+ years old and at or beyond their useful life,
- Equipment targeted under this program has been well-maintained; however, it is aged to a point where replacement is warranted,
- Buildings are experiencing control and comfort challenges associated with older equipment and controls as well as continued maintenance needs.

The installation of a current generation HVAC systems was the next logical step for consideration by the Twin Valley School District. The solutions vary slightly by building. Phase 2 continues the addition or replacement of various existing HVAC systems with Dedicated Outdoor Air System (DOAS) units, Roof Top Air Handling units (RTU) and 4-pipe unit ventilators in the classroom (and similar) areas, or upgrades to existing heat pump/energy recovery ventilator systems. The benefits of these upgrades include improved control and comfort, improved humidity control, increased system efficiency, and reduced maintenance issues.

Phase 2 work in 2023 will occur in the Twin Valley High School, Twin Valley Middle School, Honey Brook Elementary Center, and Robeson Elementary Center.

Prior to the end of the school year, you will possibly see the following activity in each of the schools slated for work in 2023, including the following:

#### Twin Valley High School

Select work at night/weekends as follows:

- Select removal & replacement of acoustical ceiling tiles as needed.
- Potential removal of acoustical tile ceilings in corridors & classrooms as needed (including supporting of lights and devices in the ceiling).
- Demo of existing HVAC ductwork above ceilings.
- Field measurement for new duct work and piping.
- Fabrication of new ductwork.
- Installation of new piping.
- Potential removal/replacement of unit ventilators (as equipment becomes available).
- Clean up every day.
- If any LIMITED work is required in classrooms at night, arrangements will be made with the principal and staff in that room.

#### Twin Valley Middle School

Select work at night/weekends as follows:

- Select removal & replacement of acoustical ceiling tiles as needed.
- Potential removal of acoustical tile ceilings in corridors & classrooms as needed (including supporting of lights and devices in the ceiling).
- Demo of existing HVAC ductwork above ceilings.
- Field measurement for new duct work and piping.
- Fabrication of new ductwork.
- Installation of new piping.
- Potential removal/replacement of unit ventilators (as equipment becomes available).
- Clean up every day.
- If any LIMITED work is required in classrooms at night, arrangements will be made with the principal and staff in that room.

#### Robeson Elementary Center

Select work at night/weekends as follows:

- Select removal & replacement of acoustical ceiling tiles as needed.
- Removal of acoustical tile ceilings in corridors & classrooms (including supporting of lights and devices in the ceiling).
- Field measurement for new duct work and piping.
- Demo of existing HVAC ductwork above ceilings.
- Field measurement for new duct work and piping.
- Fabrication of new ductwork.

- Installation of new piping.
- Potential removal/replacement of unit ventilators (as equipment becomes available).
- Potential installation of additional supplemental structural support steel for new DOAS & RTUs.
- Potential installation of new curbs on the roof for new DOAS or RTUs.
- Clean up every day.
- If any LIMITED work is required in classrooms at night, arrangements will be made with the principal and staff in that room.

#### Honey Brook Elementary Center

Select work at night/weekends as follows:

- Select removal & replacement of acoustical ceiling tiles as needed.
- Removal of acoustical tile ceilings in corridors & classrooms (including supporting of lights and devices in the ceiling).
- Field measurement for new duct work and piping.
- Demo of existing HVAC ductwork above ceilings.
- Field measurement for new duct work and piping.
- Fabrication of new ductwork.
- Installation of new piping.
- Potential removal/replacement of unit ventilators (as equipment becomes available).
- Potential installation of additional supplemental structural support steel for ne DOAS & RTUs.
- Potential installation of new curbs on the roof for new DOAS or RTUs.
- Clean up every day.
- If any LIMITED work is required in classrooms at night, arrangements will be made with the principal and staff in that room.

#### **February 2023 Progress**

##### Twin Valley High School

Select work at night/weekends as follows:

- Select removal & replacement of ceilings as needed.
- Demo of existing HVAC ductwork above ceilings.
- Field measurement for new duct work and piping.
- Clean up every day.

##### Twin Valley Middle School

Select work at night/weekends as follows: No significant work at this time. Work scheduled to start on or about Monday, March 6, 2023.

##### Robeson Elementary Center

Select work at night/weekends as follows:

- Field measurement for new duct work and piping.
- Demo of ceilings to start on or about Monday, March 6, 2023.
- Clean up every day.

##### Honey Brook Elementary Center

Select work at night/weekends as follows:

- Removal of acoustical tile ceilings in corridors & classrooms (including supporting of lights and devices in the ceiling).
- Field measurement for new duct work and piping.
- Clean up every day.