

## 2017 Ohio School Design Manual Update

### Cost Update

- The regional cost factor and new school construction costs were updated to reflect changes in the current market.
- We solicited input from construction professionals on the current market and considered their input when determining the inflation factor.
- The 2017 inflation factor is 2.36 %.
- No changes were made to the non-construction cost percentages.
- Assessment Cost Guidelines:
  - Regional Cost Factors updated
  - Window cost/square foot increased from \$60 to \$65

### Programmatic Changes - Career Tech

- Our team worked with Ms. Linda O’Conner, Assistant Director Career-Technical Education with ODE to update the CTE program list. This list of 50 programs supports over 500 courses that are offered across the state.

### Technical Changes

#### Division 27 Communications & Division 28 Electronic Safety and Security

- The Telecommunications and Security sections of the OSDM have gone through a substantial rewrite to better align with the needs oriented approach to Technology Systems Design. The chapter 9, Division 27 Communications and Division 28 Electronic Safety and Security design guideline specifications have been transitioned from prescriptive based to performance based criteria for systems design. The new specification sections reflect an approach to design guidelines that places an emphasis on specific objectives that technology systems are expected to achieve, without being prescriptive on the means/methods utilized to achieve those performance objectives. The new Division 27 and 28 Design Guideline Specifications will give both the school district and the technology systems engineers more flexibility to identify and design technology systems that support the district’s overall technology master plan. **Updated Division 27 and 28 can be found under additional resources.**

**LEED/Sustainability Update:**

- **LEED Version 3 – Energy Update:**

Current projects registered for LEED Version 3 are required to secure 4 points in the Energy & Atmosphere category under EAp2 – Minimum Energy Performance and Optimize Energy Performance (EAc1). The points reflect an improvement of 18% for new construction and 14% for renovation above the ASHRAE Energy Standard 90:1 2007. Ohio adopted ASHRAE 90:1 2010 effective January 1, 2017. All K-12 projects will be required to design to that standard while still fulfilling the requirements of LEED Version 3 and the official standards referenced therein.

- **LEED Version 4:**

All future K-12 projects funded through the state of Ohio will use LEED for Schools - Version 4. The Energy Performance is based on ASHRAE 90:1 2010. The adjustment to this ASHRAE standard provides a sufficient increase to the base performance of the school facilities. As such, the 30% increase in the OSDM has been removed. We will expect the project teams to do their best to improve upon this standard as it will result in increased utility performance and provide future operational savings for the school facility and district.