

**FY 2019 Capital Improvement Requests**

Agency/Institution  
Bridgerland Technical College

Building Board Score	Priority Classification	80	20	Agency Priority	Facility Type Classification	Energy Component	Project Name	Cost Estimate	Facility Condition Assessment Information	Description/Justification	Building Risk ID #
					Classroom and Lab	No	Life Safety Improvement/Fire Issue: Cabinetmaking and Auto Collision labs' electrical panels need isolated from dust environment.	\$ 100,000.00	FCA-117094 Item # D5010-5021	A separation needs to be made between power panels and dust in the Cabinetmaking and Auto Collision labs. Panels need to be walled off and a positive pressure system developed to reduce the fire safety issues that are currently present.	7471
	2-Critical			1	Classroom and Lab	Yes	Life Safety Update: Hot water and cooling system upgrade repair in Meat Services lab and freezer cooling unit upgrade for the Culinary Arts walk-in coolers.	\$ 300,000.00	FCA-117094 Item # D3010-D3050	Life Safety Update: Meat Lab must maintain 55 degrees air temperature and hot water at 180 degrees for proper conditions for meat handling and cleaning. Currently, neither of those can be achieved. A new hot water boiler system needs added and a cooling system for the air needs updated. The possibility of solar preheat for water may be explored for efficiency.  Current cooling systems for the walk in freezers in the Culinary Arts department are vented into the lab area making excessive noise and added heat to the lab area. These systems need redesigned and upgraded to vent to the exterior of the building to help reduce noise and add energy efficiency.	7471
	2-Critical			2	Classroom and Lab	Yes	Logan Main Campus HVAC System Upgrade Phase I: HVAC upgrade to Auto Collision, Building Technology, Automotive, and Diesel labs.  Life Safety Issue: Floor and ceiling exhaust fans for emmissions in Automotive and Diesel labs need updated and repaired.	\$ 1,650,000.00	FCA-FM-96150 Building 7471 Item HV3A, & Item D3050 for DFCM Contract No. 117094	HVAC System Renovation/Replacement: The HVAC system has aged beyond the statistical life cycle and is inefficient compared to modern standards. In addition, the supplemental cooling system for the building is in poor condition. Current cooling systems are not adequate in large bay shop areas during hot summer months. New cooling systems need added to bring the labs down to proper levels for learning environments. Replace systems in Cabinetmaking, Automotive, Auto Collision, and Diesel labs.  Life Safety Improvement - Current systems are not adequate to vent exhaust fumes from vehicles being repaired in the Diesel and Automotive labs. Floor venting areas are completely rusted out. Ceiling exhaust vents no longer function and need automatic switching to operate whenever CO levels are elevated.	7471
	2-Critical			3	Classroom and Lab	Yes	West Campus HVAC System Upgrade Phase IV.	\$ 650,000.00	FCA-FM-96150 Building 10004 Item HV3A	Replace air handlers, exhaust fans, ductwork, VAV's, VFD's, DDC's, heat exchangers, pumps, piping, electrical connections, and demolition of existing system. Room 1919 needs automated controls added and system upgrades to be able to regulate classroom and lab air temperatures. The FCA estimated the total HVAC system retrofit/replacement cost at just over \$3.5 million. BTECH is requesting funding for Phase IV of the multi-year phased project. At \$550,000 per year, the project will take approximately seven years to complete.	10004
	2-Critical			4	Classroom and Lab	No	Brigham City Campus - Facility Improvements	\$ 100,000.00	N/A	BTECH and USU are both occupants in the DFCM-owned Brigham City Educational Complex on 1100 South in Brigham City. With the completion of USU's new regional campus facility in Brigham, a portion of their space in the Educational Complex will be vacated. It has long been planned that BTECH would expand into the space vacated by USU but some minor remodel and relocation of walls will need to be completed before the space will be usable. BTECH is in hopes this request for improvements will be pursued by DFCM, but also wants to cover any possible contingency by submitting this request. The space vacated by USU has little or no value without some limited remodel to the facility. The remodel would be the removal of several walls (these walls were originally built to be temporary in nature so the cost to eliminate them should be relatively insignificant) and the related cost of making the revised space usable for BTECH programs. This request is for the "Blocks" building portion of the Brigham City Educational Complex.	DFCM Owned Building
	4-Programmatic			5	Classroom and Lab	Yes	Electrical Upgrade to Eliminate Dirty Power Penalty for both Logan Main and West Campuses	\$ 100,000.00		To help eliminate dirty power penalties, a study and updates need performed to help reduce the \$15,000 to \$20,000 per year penalties currently being assessed by the power provider at Logan Main Campus and Logan West Campus to reduce dirty power.	7471, 10004
	3-Necessary			6	Classroom and Lab	No	Fire Safety - Main and West Campus Emergency Fire Sprinkler Pipe and Heads Repair and Update	\$ 1,000,000.00		Fire Safety - Sprinkler heads and piping should be inspected and changed out as required. Sprinkler heads have never been updated or changed in over 30 years at Logan Main Campus. Piping is starting to fail and needs updated and replaced as needed.	7471, 10004
	3-Necessary			7							

