

8. Burlington ~ 32 Sherry Street: HVAC Continued Improvements \$150,000

This phase of the multi-year project involves replacing approximately 125 variable air volume (VAV) boxes that date back to the original construction of Costello Court at 32 Cherry St., Burlington. These devices provide environmental temperature control for the zones they serve. They now need replacing as many are failing. When a VAV box fails, the respective zone temperature is subsequently controlled by reheating the air and this is a very energy intensive and wasteful sequence compared to varying the air flow volume as per the system design. These particular VAV boxes were not replaced as part of the recent larger project because they appeared to be in good condition. It was believed they would last much longer than this, so they were not replaced in previous phases to save money. We have already replaced the DDCs, direct digital controls, for these boxes in the previous projects so this project involves only the physical VAV box and actuators and re-commissioning of them.

Previous phases at 32 Cherry St. involved replacing the entire direct digital control system, boilers, domestic hot water heaters, chillers and about 300 fan powered VAV boxes.

Previous phases at 108 Cherry St. involved replacing five rooftop ventilation heat recovery unit ventilators, the roof, chiller, domestic hot water boiler and a significant percentage of the heat pump units.

The various aspects of the multi-year project have resulted in significant energy savings in addition to reducing ongoing maintenance needs.

Summary	Approved Through FY '14	Current Year FY '15	Budget Year FY '16	Budget Year FY '17	Future Requirements			Totals
					FY '18	FY '19	FY '20-FY '26	
Cost Allocation:								
Planning & Design, Outside Consultants								0
Site Acquisition								0
Construction	3,250		150					3,400
Fit-Up								0
Total Appropriation for Fiscal Year(s)	3,250	0	150		0	0	0	3,400