

Final Project Completion Report

Project Name and Number: JWTP Blower Room Acoustical Improvements, #4070

Description: The filter backwash blowers at the JWTP are mechanical equipment which emit considerable noise (125 dba). This noise was highly audible in the lab area directly above the blower which created undesirable working conditions. This project designed and installed acoustical improvements including specialized sound-attenuating foam insulation on the ceiling and walls and a new high-quality sound door for the blower room. Decibel levels in the Laboratory area were reduced from 90 dba to 65 dba. The project has been highly successful in accomplishing its objectives.

District Project Manager: David McLean

Engineer: Brown and Caldwell	Design Status: 100%
Original Engineering Contract Amount:	\$17,229
Final Engineering Contract Amount:	\$33,488

Contractor: Vancon	Construction Status: 100%
Original construction contract amount:	\$98,400
Total Change Order amount:	\$5,002
Final construction contract amount:	\$103,402
Total change orders as a percentage of original contract:	5.1%
Completion Schedule:	
Notice to Proceed:	2/28/2023
Final Completion:	10/19/2023

Summary of Change Orders:		Amount
	Description	
1	Provide new door hardware and pipe insulation.	\$5,002
Total Change Order Amount:		\$5,002

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JVWTP Blower Room prior to construction



4" of sound attenuating foam on walls



Installed high-performance sound attenuating door



8" of Sound attenuating ceiling foam between blowers and lab