



**Project Description and Scope:**

The Metals Lab consists of three spaces to be completely renovated and reconfigured including expansion into the adjacent drawing lab. The renovated suite will provide efficient and safe flow of processes and instruction. Suite ventilation, electrical power and lighting distribution, performance, and controls will all be replaced, relocated and augmented as required to meet the current standards for the new laboratory. Project includes modifications for accessibility including accessible sinks, workstations at each functional area. The HVAC for the suite will be rebalanced, and ventilation replaced. The addition of Natural light will also be considered as a part of the design process. The project also includes equipment replacement for instructional technology and specialized metals lab equipment.

**Project Justification:**

The metals program is an active and vibrant area of study emphasizing the design, research, and fabrication of non-ferrous metal objects where basic to sophisticated skills are explored. A priority of the project is resolving the health and safety issues, including providing proper ventilation for each process and replacement of outdated, unsafe equipment. Despite faculties best efforts to eliminate hazards, additional safety measures and methods must be provided in the renovated suite in order to meet accreditation requirements. Bronze materials and most metal casting has been eliminated from the curriculum due to inadequate ventilation. Critical to programs safety provisions is the creation of dedicated process spaces (ie. Chemical buffing, digital fabrication) and improved accessibility. Replacement of outdated or unsafe equipment was recommended in a 2014 ventilation, OSHA, and safety review.

**Issues/Concerns:**

**Estimated Project Costs:**

Construction	\$1,552,200
Equipment/Other	\$250,600
Design Fees	\$188,000
Management Fees	\$71,400
Contingency	\$232,800
<b>Total Project:</b>	<b>\$2,295,000</b>

**Operating Budget Impact:**

Custodial Staff	
Maintenance Staff/Expenses	\$000
Utility	\$000
Other	
<b>Annual Operational Impact:</b>	<b>\$000</b>

**Funding:**

General Fund Supported Borrowing	\$2,295,000
Program Revenue Supported Borrowing	\$000
Building Trust Funds	
Gifts and Grants	\$000
Program Revenue Cash	\$000
<b>Total:</b>	<b>\$2,295,000</b>

**Proposed Timeline:**

State Enumeration:	NA
A/E Selection:	September 2023
35% Design Report:	
Bid Date:	December 2024
Start Construction:	May 2025
Substantial Completion:	August 2025