

Memorandum

To: Mike Lieberman
From: xxx xxxx
Date: August 9, 2013
Subject: 14xxx Building x-xxx – xxxx Engineering Lab Renovation
Proposed Stage I Budget thru Schematic Design



This memo is in response to xxx Engineering Department's request for lab renovation in building x-xxx for an incoming Professor, approximately 300 SF. A Memorandum of Understanding outlining the scope is in process.

We recommend hiring an Engineer to work to define the project thru Schematic Design. We will then use the resulting deliverables as the basis for estimating the total project cost. This effort will also include evaluation of the building systems and preliminary engineering.

The following is an estimate for an initial, "Stage I" effort, in this case up to, but not including, Construction Documents and Construction Costs. This budget will cover the Engineering time for just this stage, plus a construction estimate based on initial design. The total project cost will be developed for the DLC review and, should it wish to proceed, submit to CRSP for approval to move to the next stages, construction documents, bidding and construction.

Engineer Study for Mechanical System	\$ 2,500
Design Contract	\$12,500
Construction Estimate	<u>\$ 2,000</u>
	\$17,000

The Range Estimate for the total project cost of this project is \$100,000 to \$150,000. This amount does not include cost impacts due to building systems that require engineering.