**MUSE Basis of Estimate**

**Element WBS #4**

I. General Information

Task Name: Labor for SciFi

Unique ID Number

Date of Estimate: March 20, 2014 (last update)

Estimate Generator: G. Ron, E. Piasetzky, R. Ransome

Cost Category:

 M&S

 X SWF

Comments:

Vendor Quote Number if Applicable\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Drawing Reference Number or Attachment:

Costing Method: Cost based on past experience and known grad student costs

Total Task Cost: $80,500

Total Contingency: $11,500

II. Cost Estimate Breakdown

Cost of each element, along with justification

Part time Technician $15,000 in year 1, $5000 year 2, Total $20,000

2 years of grad student at $25,000/year. Total $50,000.

Most construction will be done in year 1, testing and installation in year 2.

Total labor is $70,000, F&A is $10,500 for a total of $80,500.

III. Contingency and risk analysis

The graduate student cost is fairly well determined, we estimate 10% contingency ($7,500) for possible salary increase with currency fluctuations. The contingency for the technician is estimated at 25% ($4,313) because the tasks are not yet well defined. Total is $11,500

