



LIMITED CONSTRUCTION INC.

Item: Estimation Cost Sheet
For: Preliminary Annex Renovations
Client: Michigan Technological University
Estimator: Matthew Gilbert
Date: December 14, 2006

Item Estimated

**Estimated Cost
(2006 US Dollars)**

Baseline Design

1. <u>Rehabilitate existing stairway</u>	<u>\$3,500</u>
2. <u>Provide interior access to stairway</u>	<u>\$8,600</u>
3. <u>Provide automatic door</u>	<u>\$1,400</u>
4. <u>Install climate control system</u>	<u>\$5,900</u>
5. <u>Install fire alarm and detection units</u>	<u>\$6,100</u>
6. <u>Provide new office, classroom, and lab furnishings</u>	<u>\$23,500</u>
7. <u>Install more computers</u>	<u>\$20,000</u>
8. <u>Rehabilitate tile floors and walls</u>	<u>\$4,000</u>
9. <u>Rehabilitate original woodwork</u>	<u>\$5,000</u>
10. <u>Paint interior walls</u>	<u>\$5,000</u>
11. <u>Install new carpet</u>	<u>\$2,000</u>

<u>Sub-Total</u>	<u>\$85,000</u>
<u>Contingency</u>	<u>\$15,000 @ 15%</u>
<u>Sub-Total</u>	<u>\$100,000</u>
<u>Professional Services</u>	<u>\$10,000 @ 10%</u>

GRAND TOTAL \$110,000

Appendix B: Cost Estimate

First Alternative

1. <u>Baseline Design</u>	<u>\$85,000</u>
2. <u>Enclosed exterior staircase</u>	<u>\$63,000</u>
3. <u>Inclined stairway lift</u>	<u>\$52,000</u>
4. <u>Install doorways to new stairway</u>	<u>\$12,000</u>

<u>Sub-Total</u>	<u>\$212,000</u>
<u>Contingency</u>	<u>\$31,800 @ 15%</u>
<u>Sub-Total</u>	<u>\$243,000</u>
<u>Professional Services</u>	<u>\$21,200 @ 10%</u>

GRAND TOTAL \$264,200

Second Alternative

1. <u>Baseline Design</u>	<u>\$85,000</u>
2. <u>Enclosed exterior elevator</u>	<u>\$124,000</u>
3. <u>Interior building elevator doors</u>	<u>\$12,000</u>

<u>Sub-Total</u>	<u>\$221,000</u>
<u>Contingency</u>	<u>\$33,150 @ 15%</u>
<u>Sub-Total</u>	<u>\$254,150</u>
<u>Professional Services</u>	<u>\$25,420 @ 10%</u>

GRAND TOTAL \$279,600

Third Alternative

1. <u>Baseline Design</u>	<u>\$85,000</u>
2. <u>Enclosed interior elevator</u>	<u>\$191,000</u>
3. <u>Interior building elevator doors</u>	<u>\$12,000</u>

<u>Sub-Total</u>	<u>\$288,000</u>
<u>Contingency</u>	<u>\$43,200 @ 15%</u>
<u>Sub-Total</u>	<u>\$331,200</u>
<u>Professional Services</u>	<u>\$33,120 @ 10%</u>

GRAND TOTAL \$364,320

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