Easel 5000
Week 9
March 24 - March 31, 2006
Alison Biercovicz
Work Completed

PCB Board

The plastic enclosure was received for the PCB from Hammond Manufacturing. The dimensions were cross checked with the schematic supplied by the company. Then the dimensions were checked with the PCB board. They didn’t line up perfectly so some time was spent making the board more linear to better fit the box. The PCB was then expanded to fit the screw holes and space the LEDs out for a better fit in the final product. These were the last steps in designing the PCB and preparing it for order. The pricing for the PCB was done and then a purchase requisition form was filled out and filed with Chris. The holes for the switch, battery supply, LEDs, and potentiometer were then traced on the PCB enclosure to simplify drilling when the PCB arrives.
Machine Shop

Time was spent helping Seth to cut plastic pieces for a battery enclosure. Also measurements for an alternate PCB enclosure were made and cut. This will allow some variation with PCB mounting options. Some finishing touches were done on pieces for the mechanical part of the easel. The battery enclosure was put together with PVC glue and made to fit the battery. A mounting change had to be made for the battery. Due to the wiring and desire for a design that could easily be broken apart for storage, the battery placement had to be changed. The battery will now be mounted on the easel clamp to shorten the amount of internal wiring that will need to be done for the easel frame.

Future Work

Finishing touches are being applied this week and next week. The major portion of the project is done. Next week will include final mounting of the battery and PCB/LED lighting system. Any final kinks will be worked out and the project will be completed.

Project Review

The end of the semester is nearing and the project is wrapping up. All of the major details have been taken care of. At this point we are waiting for a few things to be delivered in order to proceed with the project. Once those parts are received we will finish the final construction and will hopefully be done by the deadline. This may take a few extra hours in the remaining week but completing the project is feasible.
## Hours Worked

Alison - 11 hours