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| The University Of Victoria |
| Film Transport Project |
| Weekly Project Report #3 |
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| **Team Manager for the Week:**  **Team Recorder:**  **Week:**  **Instructor:**  **Supervisor/Client:** | **Anderson Li**  **Andrew Bornstein**  **5/20/2012 - 5/26/2012**  **Dr. D Constantinescu**  **MrA.Makosinski** |

# Progress Report

In this week the following tasks have been completed:

* Design Report 1 –outline of preliminary design concepts
* Film gate modeling in Solidworks
* Sprocket sizing calculations
* Sprockets modeled in Solidworks

# Issues

The objectives and design for the project was better clarified through the writing of the first design report. The problems encountered this week were in choosing the best design concept for the client. Making this decision involves wrestling factors such as complexity, cost, functionality and time of manufacture. Some of the decisions were difficult to make without going into too much detail and specifics of the design.

The challenge for the incoming weeks is to research methods of manufacturing the parts and buying parts that are missing for the project. Another issue that needs to be addressed is the integration of all the components. At the moment the initial concepts for the components are specified individually but they need to be designed to work with the other components.

# Next Week Agenda

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| Task | Task Lead |
| * Research machining methods for creating the film gate * Model mounts for the LEDs and camera * Start programming sensor control * Prepare slides on the film gate for the client | Anderson Li |
| * Prepare slides on the transport mechanism for the client presentation * Fabricate a prototype sprocket set * Research CNC methods to produce a proper aluminum sprocket set * Start programming the stepper motor control in the Arduino IDE | Andrew Bornstein |

# Gantt Chart

