Project Requirements

1. Use the ProModel simulation model to test various lean implementation strategies with the objective of reducing lead time and meeting the Cranston delivery schedule for the Belle-Regal-X product at the least cost. Specifically break your improvement process into <u>4 or more steps</u>. Each step has a budget of $100,000 however, up to $20,000 can be carried forward to the next improvement step.

2. Prepare a report that clearly discusses the approach taken to develop a final lean strategy (showing the sequence of improvements that you would recommend to Tri-Star) and a clear accounting of how much money was expended. [An Excel model called Budget Tracker.xls has been provided to help you monitor expenditures.] Included in the report should be an explanation of the rationale for the approach you have taken.

3. A status report for key measures based on ProModel output after each step of the lean implementation strategy was implemented. Include a screen capture of your final results.

4. Be prepared to discuss your approach in front of the class and demonstrate your final model.

Project Rules

1. You may modify the order file as discussed in the case. No other changes or modifications to the order file are allowed.

2. You may change processing times, rework times, setup times, quality levels, batch size, work center capacities, and move times based on the instructions in the case.

3. No work centers can be eliminated.

4. You cannot change the product flow or work center sequence.

5.   Do not change any coding within the model other than those statements that are used to specify model parameters (processing times, rework times, etc.) as discussed in the ProModel instructions that follow.