

# **Bamboo Bicycle Project**

## **Scope Statement**

### **Project Description**

The objective of this project is to design, build, market, and deliver and bike with the frame made from bamboo. The budget for the project is \$8000 and the cost of the bike will not exceed \$3600. Planning for the project will begin on May 31, 2013 and the project will be completed by August 1, 2013.

### **Project Deliverables**

The main deliverable for the project is the bike. Included in this is a fully completed bike with all necessary components (wheels, brakes, tires, and frame). Deliverables also include all technical information from testing, a user manual and warranty information.

### **Acceptance Criteria**

The following is a list of the criteria for the completion of the bamboo bicycle project.

- A fully completed bike that is made from bamboo.
- The bike will be on schedule which is one week.
- The cost of the bike will not exceed \$3600.
- Quality assurance will be addressed in the course of the testing and build phase of the project.

### **Project Exclusions**

There are no project exclusions.

## **Constraints**

There are three various types of constraints planned on for the bamboo bicycle project.

These include resource constraints, training, and procurement constraints.

- Resource constraints include
  - Budget of \$8000
  - Scheduling constraints surrounding project team
  - Sole source provider of bamboo bike frame
- Special training will be required for the construction of a bamboo bike. These include: customer measurements, and special adhesives.
- Procurement issues due to a sole source supplier for the bamboo frame can cause delays in the schedule.

## **Assumptions**

- The project team will be available for the required and support task as outlined in the responsibilities matrix.
- All outsourced parts (bamboo, wheel assemblies, crank system, and brake assembly) will be delivered on time.
- All vendors will conform to the agreed price of supplied components
- Labor cost is included in the overall price of the bike.
- Funding will be available immediately for the entirety of the project.
- Project location will be at the Bamboo Boys Bike Store primary location.
- The project budget takes into account the items needed for the development of the bamboo bicycle. Items include an oven for baking bamboo and a spray paint machine.

## **Risk**

Although risk is an uncontrollable occurrence in any project; the project manager has planned on certain risks to maintain the project budget and timeframe. The following is a list of various risk planned for the bamboo bicycle project.

- Procurement issues with bamboo supplier.
- Budget issues due to procurement issues.
- Project team availability.
- Human resources availability for training.
- Failure of primary component (bamboo bike frame).

## **Scope Change Control**

Any changes to this scope statement shall be handled in accordance with the procedures contained in the Change Control Process. If the change affects the project baseline cost, schedule, or quality the change will be assessed and a decision will be made then.