

Feasibility Report to Purchase Lockers for Student Rental



October 2011, TCO 341

Problem

- ⌘ Students of Mercer University School of Engineering must carry heavy bags of text books to and from the Engineering Building every day.
- ⌘ A student organization could generate income by purchasing lockers and renting them to students.

Alternatives

A student organization could purchase lockers of one of the following types:

- ✎ New, custom lockers
- ✎ New, in stock lockers
- ✎ Used, custom lockers
- ✎ Used, in stock lockers

Criteria

- ∞ Cost
- ∞ Space Required
- ∞ Durability
- ∞ Aesthetics

Comparison

| Option | Cost (40 pts) | Durability (30 pts) | Space Needed (20 pts) | Aesthetics (10 pts) | Total Score (out of 100 pts) |
|----------------|------------------|------------------------|--------------------------|------------------------|---------------------------------|
| New, custom | 40 | 30 | 20 | 10 | 100 |
| New, in stock | 38 | 30 | 20 | 10 | 98 |
| Used, custom | --- | 28 | 20 | 8 | 30* |
| Used, in stock | 35 | 28 | 20 | 7 | 80 |

*There could be no evaluation of cost due to the company's unresponsiveness.

Recommendation

- ∞ I recommend that a student organization purchase 15 new, custom made, triple tiered lockers for rental purposes – 45 locker compartments total.
- ∞ These lockers cost \$43.71 per compartment. So if the lockers are rented for \$30 per semester they will pay for themselves in a single year.

Questions?

