**Task Description**

You are responsible for the design and fabrication (or organization of fabrication) for a test sample and final impact attenuator. The specifications for this design are found in FH rules sections T3.20. The impact attenuator should mount to an anti intrusion plate. Design should strive to cover crash scenarios involving a wall or pole. Design should be lightweight when possible.

**Responsible Parties**

Claire Mallon is the principle designer. She will designate tasks to Eugene.

**Deliverables**

An impact attenuator ready to test and a final impact attenuator after tests have been carried out.

**Budget**

|  |  |
| --- | --- |
| Item | Cost |
| Steel anti-intrusion plate | $60 |
| Aluminum honeycomb | $0 (already in the garage) |
| Front bulkhead frame members | $0 (leftover from frame manufacturing) |
| Total | $60 |

**Resources (human and machine)**

Welder – 1hr (weld together frame of front bulkhead)

Shop time with Nick – 2hr (cut anti-intrusion plates to size and manufacture brackets)

**Time to complete**

Design – one week (10/12 – 10/17)

Manufacturing – one week (10/25 – 10/31)

**Measures of Success**

Successfully complete impact attenuator test (detailed in another WP)

**Required Inputs**

None