Clearly and accurately describe constraints, idealizations, load path from rider to ground, etc.

Clear objective for the analysis

White headlight installed and operational, visible 150 meters to the front, installed and operational

Form 6 completed and attached to front of report (V.F.1)

Clearly identify and describe analysis cases, include rationale for each

Tabulated cost summary of prototype included. Include all actual expenditures and capital costs, but do not include student labor.

Demonstrate how testing results used to modify or improve the design

Describe the final vehicle design, making generous use of drawings and figures. Describe how the vehicle can be practically used, what environmental conditions were addressed and components and systems were selected or designed to meet the objectives.

Comprehensiveness

Heritage's Field of View

Safety

Evaluation Based on report and presentation

Roll over/Side protection system

Top load modeling

Top load results

Side load modeling

Side load results

Comprehensive

Performance testing

Dependability & operability

Safety

Overall impression of vehicle

Aesthetics

Evaluation based on vehicle safety inspection and safety video

Overall impression of vehicle

Craftsmanship (welds, joints, assembly, etc.) is professional and attractive

Quality of custom parts

Quality of frame/fairing finish

Exterior finish and decoration quality is neat, attractive, and professional (frame and/or fairing)

3-View drawing, in accordance with ASME Y14.5 and related standards such as ASME Y14.24 and ASME Y14.3

Evaluation based on visual inspection and safety video

Aesthetics

Evaluation based on report

Roll over/Side protection system

Top load modeling

Top load results

Side load modeling

Side load results

Comprehensive

Performance testing

Dependability & operability

Safety

Overall impression of vehicle

Aesthetics

Evaluation based on vehicle safety inspection and safety video

Overall impression of vehicle

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