**Equipment (no page limit) - EXAMPLES**

The project does not depend on equipment resources that are available at the participating institutions.

or…

Cyclic actuator: A MTS 10-kip cyclic actuator is available with the necessary oil pump for application of cyclic triaxial tests on gravel, which requires a 30 cm wide, 90 cm tall triaxial specimen and adequate space to perform testing.

Vacuum pump: A vacuum pump is available to apply low confining pressures to the cyclic triaxial tests, representative of unpaved road conditions.

Loading frame: A strongfloor and strongwall with pre-installed loading beams will serve as a frame for cyclic triaxial testing of bio-composite materials.