

## 5.8 RESPONSIBILITY OF COSTS

For NSF NHERI-related activities (including NSF NHERI research projects, training, maintenance, calibration, safety, education, and outreach activities), tasks conducted at the Lehigh EF could be the financial responsibility of either:

- (1). the NHERI Lehigh Operations and Maintenance budget (Table 5.8-1), or
- (2). the NSF sponsored NHERI research project (Table 5.8-2)

The tables below assign the responsibility of costs to either the Lehigh NHERI Operations and Maintenance budget or the NSF NHERI project budget.

When preparing a NSF NHERI research proposal, researchers are strongly encouraged to contract the NHERI Lehigh RTMD Operations Manager to review the project demands in order to most accurately develop a research project budget and to understand potential future impacts on the NHERI Lehigh Operations and Maintenance budget.

<b>Table 5.8-1 Responsibility of Lehigh NHERI Operations and Maintenance Budget</b>
Maintain all NHERI equipment and instrumentation at full function
Maintain fixtures related to NHERI equipment
Reconfiguration and operation of NHERI equipment, including DAQ system during NHERI- related activities
Operation of NHERI equipment and instrumentation during NHERI-related activities
Assist researchers with NHERI sensor/instrument calibration
All services associated with onsite NHERI-related training activities
Assist NHERI researchers with laboratory cost estimation
Assist NHERI researchers with proposal development (laboratory, equipment, and infrastructure)
Assist NHERI researchers with post-award planning and design (laboratory, equipment, and infrastructure)
Conduct training activities associated with equipment operation and safety
Provide safety and risk management for staff and visitors
Provide video conferencing support
Data transfer to NHERI data repository
Office space and Ethernet access
Liaison services with local contractors
Use of ATLSS ancillary equipment (such as fork lifts, cranes, saws, etc.)

**Table 5.8-2 Responsibility of NSF NHERI Research Project Budget**

Assist researchers with sensor/instrument installation (for both NHERI and non-NHERI sensors/instruments), including cable fabrication and connection of all cables from test specimen/fixture to DAQ
Construct test specimens, including receiving, fabrication, assembly, demolition, and disposal
Construct experiment-specific test fixtures (if existing fixtures are not suitable for the proposed test program), including labor and materials associated with receiving, fabrication, assembly, demolition, and disposal
Services and use fees associated with use of non-NHERI facilities, equipment, or instrumentation (including machining, welding, universal testing machines, non-NHERI actuators, non-NHERI instrumentation, etc.)
Time associated with purchases required to support specific research project
Acquisition of miscellaneous materials and supplies specific to the project, including consumables, special tools, wires and cables, strain gages, sensors not available at the NHERI Lehigh EF, and special sensor mounting devices.
Development of special instrumentation and data-acquisition capabilities that are not available at the NHERI Lehigh EF and modification of existing electronic systems and network
Materials testing
Use fees as outlined per Table 5.9 for NHERI research projects
Space use for receiving, assembly, and storage of fixtures and specimens