# Budget Justification

###### Salaries and Wages – Senior Personnel

The Principal Investigator, Dr. Wilma Flintstone, will devote 0.1 summer months per year and academic year time throughout the two-year project period. Describe roles / responsibilities, e.g., *She will be responsible for overall project direction and coordination, for assuring successful project completion, including submission of progress reports, as required. Dr. Flintstone will be responsible for completing objectives one and two on the project, supervise the graduate student, be responsible for the review of the field-testing data and comparison with the experimental model study, and preparation of manuscripts for publication.*

The Co-Investigator, Dr. Betty Rubble, will devote academic year time toward the project. Describe roles / responsibilities, e.g., *She will be responsible for objective three and the initiation and development of the experimental model and the non-parametric statistical analysis comparing the field test data and the model results, and program evaluation.* No salary compensation is being requested for this project.

Effort spent on the project but not compensated for within the academic year is deemed to be included within the faculty member’s regular organizational duties.

Syracuse University faculty appointments are for 8.5 months. Salaries are escalated by 3.0% annually for budget preparation purposes; actual salaries in place during the time of the award are charged.

###### Salaries and Wages – Other Personnel

Funding for one graduate student, 4.5 AY mo. (0.5 FTE) and 3 summer months (1 FTE), is requested for the two-year project. The graduate student will be involved with the collection of survey data and its review and analysis, analysis of the field test data, and development of the experimental model and non-parametric study.

###### Fringe Benefits

Fringe Benefits are calculated as direct costs in accordance Syracuse University’s internally approved fringe benefit rates for fiscal year 2022 (23.4% for faculty during the summer; 36.3% for faculty during the academic year and full time staff, 20.4% for graduate students and 7.65% for undergraduate students and temporary staff). Actual rates in place during the time of the award would be charged.

###### Permanent Equipment

A Spacely Sprockets universal rock auger (model 4870) is requested ($5,000). This equipment is essential for the completion of the project. An older model of this resource is available to the department; however, is in continuous use by Dr. BamBam Rubble on his NSF-supported project entitled *Digging Deep in Bedrock (No. 99059283).*

**E1. Domestic Travel:**  A total of $1,500 is requested for senior personnel or the graduate student to participate in the annual meeting of the Society for Hard Materials and disseminate research results. Estimated annual costs per single traveler are: $500 for round trip air-fare from <origin> to <destination>, registration fee of $250, and meals and lodging of $250/day for two days.

**E2. Foreign Travel:**  Not Applicable.

**F. Participant Support Costs:** Not Applicable

# G. Other Direct Costs

1. **Materials and Supplies:** A total of $2,000 is requested for materials, including chemicals and reagents ($500); gases ($250); and for photographic expenses ($2500) and other essential project-related costs. Additionally, a laptop computer is necessary and essential for this project because it will be used predominantly for statistical data collection and analysis for the data repository. It will be used by Dr. Wilma Flintstone in her Syracuse University Lab to carry out <project activities, tasks, objectives> ($1,000).
2. **Publication Costs/Documentation/Dissemination:** A total of $500 is requested for printing, copying, and dissemination of the results to <<>>, contractors and professional organizations using <<>>.
3. **Consultant Services:**  $3,000 is requested for the Great Gazoo to provide statistical consultant services to facilitate objective three over the two year project period. Approximately eight days of service per year at $500/day is budgeted.
4. **Computer Services:** $500 is budgeted for creation of the data repository. This amount has been established in consultation with SU’s Information Technology Services. Actual rates in place at the time of expense will be used.
5. **Other:** $2,000 is requested for user fees to access the microscopy facilities at Slate University.