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**Research Project Title: Development of a New Attenuation Model for West Tennessee**

**Purpose of the Project**

The purpose of the project is to develop a ground motion model that is appropriate for West Tennessee. An updated ground motion model will provide accurate hazard maps for West Tennessee, which will result in a safer seismic design of bridges that will be built in West Tennessee.

**Scope and Significance**

The scope of the research project includes:

- Perform a comprehensive literature search.
- Compile earthquake ground motion data.
- Develop a new ground motion model using the hybrid empirical approach.
- Perform a final comparison between the newly developed model and current existing models.
- Disseminate the final ground motion model through a comprehensive report, conference publications, and journal articles.

**Expected Outcomes**

The following are the expected outcomes of this research project:

- Development of a new ground motion model.
- Safer seismic design of bridges in West Tennessee.

**Time Period**

The period for the project is from August 1, 2019, to December 31, 2021.

**Contact Information**

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