



EXECUTIVE SUMMARY

Project Title: *Seismic Functional Assessment of Rural Lifeline Facilities in Nevada*

Applicant: Nevada Office of Emergency Management – Office of the State Hazard Mitigation Officer (SHMO)

Period of Performance: 12 months (Oct 2024 – Sept 2025)

Estimated Budget: \$178,000 (No cost share required)

Project Type: Statewide Earthquake Risk Assessment and Lifeline Evaluation

Summary

Nevada's rural communities face significant earthquake risk due to proximity to active faults and vulnerable infrastructure. Many essential service sites, such as food banks, shelters, and cooling centers, serve as critical lifelines but remain unevaluated for seismic vulnerability. This project proposes to conduct rapid seismic screening assessments of 20 key facilities across at least five rural Nevada counties.

Using FEMA's Rapid Visual Screening (RVS) methodology and supplemental continuity-of-operations indicators, this project will identify structural and nonstructural vulnerabilities that could impair service delivery during or after a seismic event. Findings will inform future mitigation actions (e.g., HMGP retrofits) and support emergency preparedness and public outreach efforts aligned with FEMA's National Resilience Guidance and National Mitigation Framework.

This effort advances preparedness by focusing on rural and underserved populations and aligns with Nevada's Enhanced Hazard Mitigation Plan (2023) priorities.

SCOPE OF WORK (SOW)

Objective

Evaluate the seismic safety and functional capacity of critical rural lifeline facilities in Nevada using FEMA-endorsed assessment methods.

Tasks

Task No.	Task Description	Timeline
1	Facility Selection & Stakeholder Coordination	Month 1–2
2	Field Data Collection & RVS Assessments	Month 3–6
3	Risk & Continuity Analysis	Month 7–8
4	GIS Mapping & Reporting	Month 9–10

2478 Fairview Drive • Carson City, Nevada 89701 • 775.687.0300

Governor Joe Lombardo • Brett D. Compston, Chief

*Helping people prepare for, respond to, and recover from emergencies and disasters
by building a more resilient Nevada through coordination and partnerships*



Task No.	Task Description	Timeline
5	Stakeholder Briefing and Public Outreach	Month 11
6	Final Report Submission to FEMA and State Partners	Month 12

SAMPLE BUDGET (ESTIMATED)

Budget Category	Description	Estimated Cost
Personnel/Contractor	Engineer/RVS certified evaluator (2 FTE x 6 months)	\$84,000
Travel	Site visits to rural counties (mileage, lodging)	\$14,000
Equipment & Supplies	Tablets, software licenses, safety gear	\$5,000
GIS & Mapping	Dashboard development, mapping services	\$10,000
Community Engagement	Stakeholder meetings, translation, printing	\$5,000
Final Report Preparation	Layout, formatting, reproduction	\$3,000
Management & Administration	Up to 5% (allowable per NOFO)	\$7,800
Contingency/Buffer	Flexibility for scheduling/weather delays	\$4,200
TOTAL		\$133,000

If your target is closer to \$150k–\$200k (based on other applicants), you can expand the number of sites or include a more robust public outreach or GIS module.

Attachments (Recommended)

- Letters of support from rural counties or NGOs
- Nevada Enhanced Hazard Mitigation Plan (2023) reference excerpts
- Preliminary facility list (can be placeholder names for now)
- Staff resumes or subcontractor qualifications
- Statement of alignment with FEMA’s Resilience and Lifeline strategies

2478 Fairview Drive • Carson City, Nevada 89701 • 775.687.0300

Governor Joe Lombardo • Brett D. Compston, Chief

*Helping people prepare for, respond to, and recover from emergencies and disasters
by building a more resilient Nevada through coordination and partnerships*