

SCHOOL SEISMIC SAFETY ASSESSMENTS



PROJECT OVERVIEW

Many of Washington's K-12 students attend schools that may not withstand earthquake shaking.

The Washington Geological Survey (WGS) recently received Capital Budget funding to work with the Office of Superintendent of Public Instruction (OSPI) and a team of structural engineers led by Reid Middleton, Inc. to assess the seismic safety of K-12 schools.

We plan to do engineering inspections of approximately 220 K-12 school buildings and five fire stations. We will also perform geophysical surveys to establish the ground conditions and geology of each campus.

Conceptual retrofit plans will be produced for 20 of the selected schools.

Washington
State Department
of Natural Resources

Washington Geological Survey

HOW SCHOOLS BENEFIT

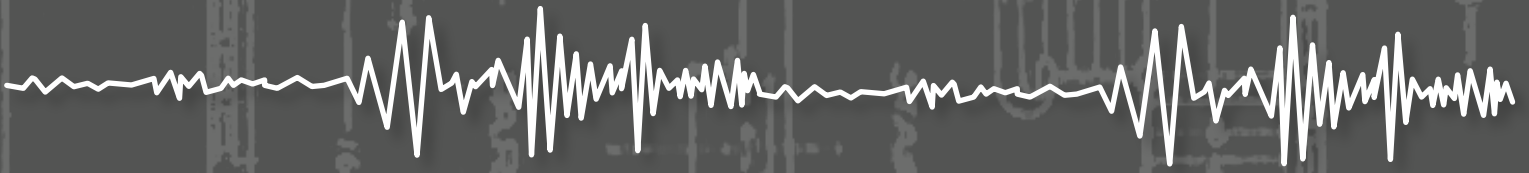
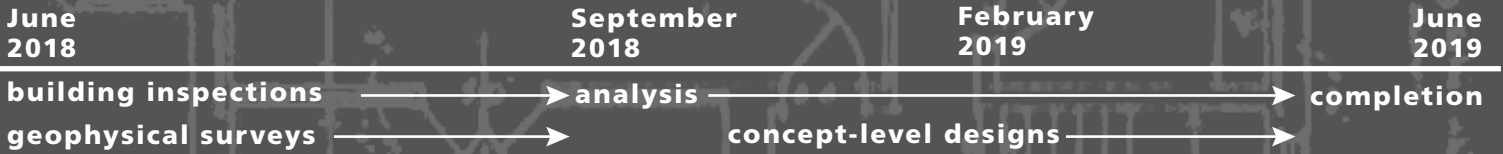
This project will:

- help inventory schools needing retrofits
- help to prioritize the retrofitting of seismically deficient schools
- help to locate sources of funding for the retrofits

WHY THIS PROJECT IS IMPORTANT

- 200 schools are within one mile of a known active fault trace
- 214 schools are in zones at high risk of liquefaction during an earthquake
- 72% of schools are within a high to very high seismic hazard zone
- Many of these schools do not have the needed seismic retrofits to withstand these effects.

PROJECT TIMELINE



WHAT TO EXPECT

- OSPI will contact school districts to determine feasibility and last major structural renovation.
- OSPI will request copies of building plans, if available.
- Reid Middleton, Inc. will contact schools to schedule visual inspections by structural engineers during summer break.
- WGS will contact schools to schedule seismic surveys on the school grounds.



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