

LUM Has Been Repeatedly Certified As Earthquake Safe:

The district has met or exceeded requirements for seismic safety at Lum over a long history of testing, analysis, and retrofits. AUSD commissioned a Geologic Hazards and Geotechnical investigation in 1990 which predicted differential settlement from liquefaction at Lum. The 1990 report indicated a greater risk to Lum than the current 2017 report, with a 13" maximum potential differential settlement versus the current 7" currently predicted maximum.

After learning of the 13" settlement risk, AUSD continued to grow the Lum site. They also continued to assess seismic safety, improve Lum facilities, and consistently ensured Lum was at or beyond Field Act requirements. AUSD now says Lum is no longer safe and can not be retrofitted despite the 7" differential settlement risk estimate being less than the previous 13" estimate. Additionally, no State Building Code, change in the Field Act requirements, cost assessment of retrofit options, or investigation of retrofit options has been provided by AUSD to justify this change in position after 27 years. And, by not doing a full structural analysis, AUSD does not know if it would qualify for funding to eliminate part or all of retrofit cost through the \$9 billion Proposition 51 State bond for improving school facilities.

The 1990 Geologic Hazard and Geotechnical Investigation report indicates a maximum 13" differential settlement risk. An AUSD Facilities assessment from 2012 details seismic and site work conducted at Lum and the district in previous years, demonstrating continued compliance with the Field Act. Structural and seismic assessments from other elementary schools provide examples of evaluations done to assess qualification for State Funds to complete seismic retrofits. A summary of the Lum evaluation shows no seismic concerns from 2012, even with the 1990 soil test data available.

The following timeline establishes what AUSD has known about Lum seismic safety and the work done to ensure continued compliance with the Field Act.

- 1 In 1990 The District completed a soil analysis and liquefaction impact assessment at Lum. That 1990 study found potential maximum displacement of up to 13 inches, and was used to consider future site growth and potential seismic upgrades for Lum.
- 2 The district undertook a program of seismic upgrades to all schools between 1991 and 2000, ABOVE AND BEYOND what they needed to do to keep the buildings up to code.
- 3 The Districts Facilities Master Plan prepared in advance of the Measure I bond confirms that the district did seismic work on Lum in 2000.
- 4 In 2012, AUSD presented a facilities assessment on the potential seismic risks at all of Alameda's schools, including Lum. (The 2012 summary report is attached, along with one of the 2012 school site seismic evaluations and summary report). The 2012 Lum seismic evaluation could not be located online, but a summary report is attached. There is no indication in that report that Lum posed any seismic concerns in 2012, even with the existence of the 1990 soil test data. A similar report regarding Maya Lin (formerly Washington) does reflect seismic concerns at that site.
- 5 In 2016 the district completed close to \$900,000 worth of modernization work at Lum Elementary without any issues. That work ensured Lum Elementary School met or exceeded earthquake safety standards under the Field Act.

Based on this information, Lum is currently compliant with all State Building codes and the Field Act, enabling it to remain open indefinitely. If it is determined that Lum has the need of any potential retrofit, there may be State funds (Prop 51 State Bond) to cover the cost if AUSD wish to go above and beyond those requirements that have already been met or exceeded.