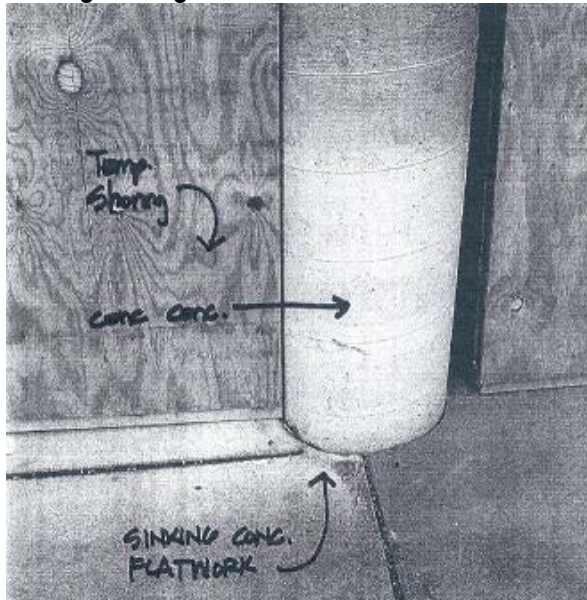


## Facility Hardship Program Project Examples

The Office of Public School Construction has provided the following as examples of projects that have been funded under the School Facility Program's Facility Hardship Program. The example languages provided are intended to illustrate information submitted with a request for funding. Inclusion or lack of inclusion, of this information verbatim does not guarantee a project is ineligible/eligible for funding. We encourage you to contact our staff for assistance.

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### Structural Deficiency Due to Ground Settling/Sinking



**Industry Specialist:** Structural Engineer

**Example of Language:** "The damage involved the settlement of the fill soils behind the retaining walls on either side of the amphitheater.... This combined with the natural deterioration of the wood shoring has caused the existing condition to become dangerous and even life threatening...."

**Governmental Concurrence:** Division of the State Architect (DSA)

**Example of Language:** "DSA has reviewed the reports regarding the specific structural deficiencies and has made a visit to the site. DSA concurs that portions of the Building B and exterior walkway as shown in the reports are no longer in compliance with the drawings approved at the time of construction. These deficiencies are such that the health and safety of the pupils is at risk and must be corrected. The DSA has reviewed the plans and specifications for this project and concur that the work in the plans is the minimum work required to mitigate the health and safety threat and gain DSA approval."

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### Structural Deficiency due to Damaged Roof Trusses Creating Risk of Collapse in Seismic Event (for structures not eligible for Seismic Mitigation Program funding)

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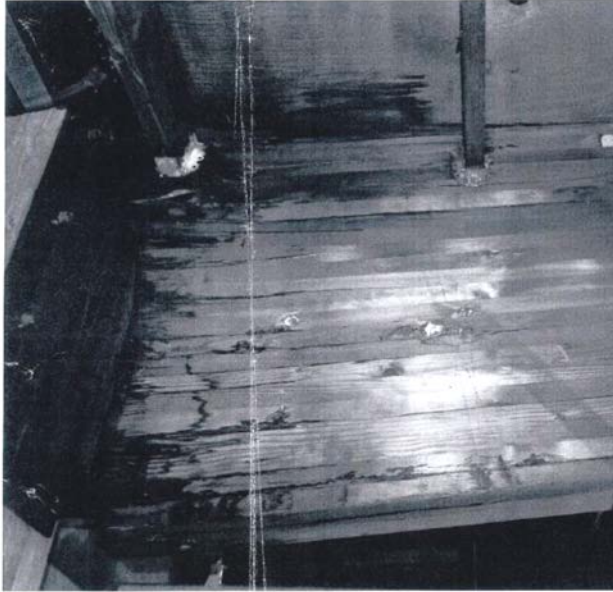
**Industry Specialist:** Structural Engineer

**Example of Language:** "Without seismic strengthening the buildings could experience high levels of localized structural and damage in a moderate or large earthquake sufficient to pose unacceptably high levels of risk to the live safety of the buildings' occupants."

**Governmental Concurrence:** Division of the State Architect (DSA)

**Example of Language:** "DSA concurs that the deficiencies are significant .... The condition of the building is such that the health and safety of the pupils is at risk structural strengthening of the entire building is required. The DSA has reviewed the plans and specifications for this project and concur that the work in the plans is the minimum work required to mitigate the health and safety threat and gain DSA approval."

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**Structural Deficiency Due to Water Damage**
**Industry Specialist:** Structural Engineer


**Example of Language:** “Two glu-laminated beams have experienced crushing, etc. at one end due to years of water intrusion from the roof.... As a result of the end damage, the bolting of the glu-laminated beam to the steel bucket can no longer transfer the out-of-plane seismic loads.... This could lead to a partial roof and wall collapse during a seismic event. Consequently, the compromised glu-laminated beam ends constitute a current life safety hazard....”

**Governmental Concurrence:** Division of the State Architect (DSA)

**Example of Language:** “DSA has reviewed the letter regarding the specific structural deficiencies and has made a visit to the site.... DSA concurs that the locker facilities in the gymnasium buildings, as mentioned in the letter, are no longer in compliance with the drawings approved at the time of construction. These deficiencies are such that the health and safety of the pupils is at risk and must be corrected. The DSA has reviewed the plans and specifications for this project and concur that the work in the plans is the minimum work required to mitigate the health and safety threat and gain DSA approval.”

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**Structural Deficiency Due to Dry Rot**
**Industry Specialist:** Structural Engineer


**Example of Language:** “While the framing and lateral force resisting system in its original, undamaged state appear to be in general conformance with requirements for existing school buildings...because of the damaged roof framing, the Pool Building is not safe for school use.”

**Government Concurrence:** Division of the State Architect (DSA)

**Example of Language:**

For Hazard: “DSA concurs that portions of the Pool Building as shown in the report are no longer in compliance with the drawings approved at the time of construction. These deficiencies of the Pool Building are such that the health and safety of the pupils is at risk and must be corrected.”

For minimum remediation work: “In the review of the Facility Hardship Report, it was recognized that proposed repair work was designed and detailed to provide the minimum required work necessary to mitigate the structural deficiencies listed under the investigation reports and gain DSA approval.”

**Boiler System Installation** (to replace steam heating system previously provided through the city but no longer available)



**Industry Specialist:** Structural Engineer (evaluating structure for “Adaptive Re-Use.” The structure, which had always been available to the school for physical education instruction, had previously belonged to the municipality but was sold to the school.)

**Example of Language:** “The existing mechanical system and hot water heating system is serviced by steam supplied by the local lumber company. In discussing this with company officials, it is clear that the steam service will be cut-off. Given the mountainous area of the school, without a heating source for the facilities, students will be at risk for serious health concerns relating to the cold temperatures. Therefore the system must be replaced at the earliest possible time to mitigate a health and safety threat to the students.”

**Government Concurrence:** County Department of Health and Human Services

**Example of Language:** As the County Public Health Officer I have verified the need for a new boiler and heating system for the school. For most of the school year, heat is necessary in (this) County to maintain a healthy environment for students.

**Mold**



**Industry Specialist:** Environmental Testing Professional (often tests for asbestos as well)

**Example of Language:** “Stachybotrys spores were detected in the indoor bulk samples collected from the site. Mold spores that which are found on the interior of a building which are not found on the exterior of a building are also cause for alarm.... The samples are elevated to a point that would justify taking action to not occupy the hallway, bathrooms, room 114 and the locker rooms without ...remediation. All areas should be placed under full containment guidelines.”

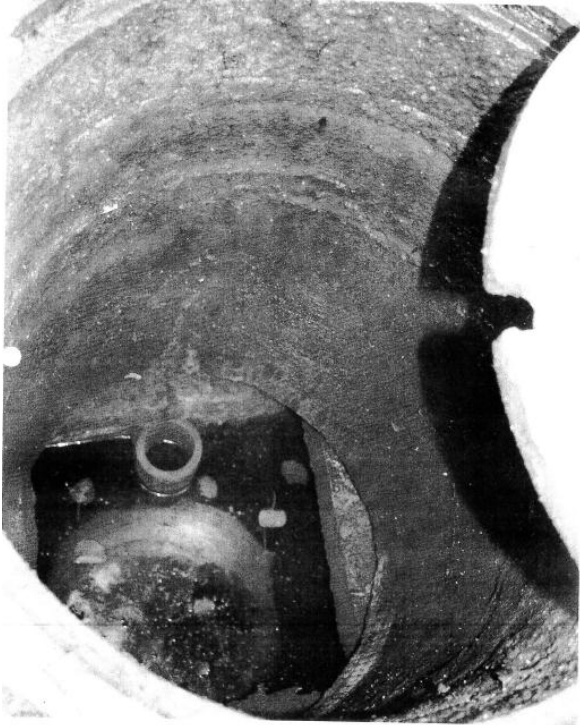
**Governmental Concurrence:** California Department of Public Health

**Example of Language:** “The roof...has sagged considerably over the years and holds water...creating more leaks. These areas of excessive moisture intrusion are breeding places for mold and present serious health risks to the students and staff. The CDPH has review the reports provided by the Environmental Testing Professional and Structural Engineer and concur that the work as shown in the reports is the minimum work required to mitigate the health and safety threat.”



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**Sewage Treatment**



**Industry Specialist:** Licensed Professional Engineer

**Example of Language:** “In overview the system has experienced complete failure and pumping costs are extremely high. Risk to the health and safety of the students have arisen from the surfacing effluvium....”

**Governmental Concurrence:** County Department of Health and Human Services

**Example of Language:** “Due to the safety issues caused by the surfacing sewage from your failed septic system, the County required the repair to be completed as soon as possible. The County has reviewed the provided plans for the repair work and concur that the work in the plans is the minimum work necessary to mitigate the health and safety threat.”