

VICTORIA GENERAL HOSPITAL PPR RESPONDER

This website has been created by SRI to assist Victoria General Hospital (VGH) facility managers in their post-earthquake emergency decision-making for the safety of VGH patients and staff.

This website focuses on the post-event structural safety of VGH buildings by using PPR technology in the form of the VGH PPR Responder website.

PPR TECHNOLOGY

Refer to Brochure H30 (Brochure menu option) for an introduction to PPR technology.

Vmax SENSORS

Refer to Brochure H31 for some background information on the Vmax ground motion sensors manufactured and installed in VGH buildings by SRI. SRI maintains and replaces Vmax sensors, where necessary, as part of its Island Health contract.

VIDEO – PPR INSIGHTS

Some additional graphical information on PPR technology is provided by the PPR Insights video (menu option). Note that this video has been prepared using RJH as the reference hospital. The PPR technical references in the video are applicable to all Island Health hospitals, including VGH.

SRI

Seismic Resilience Innovation Corporation (SRI) is a specialist company located in Sidney, British Columbia. SRI's exclusive business is the development and installation of PPR Networks.

LIVE ANALYSIS

The Live Analysis menu option gives an immediate graphical illustration of the PPR status of all VGH buildings. This illustration is referred to as a PPR Footprint. The PPR colour legend is given at the bottom right of the Live Analysis Page. In the event of a strong earthquake, the PPR Footprint will be a combination of yellow and red PPR colour codes.

SCENARIO ANALYSIS

On the Scenario Analysis Page, you can explore the seismic performance of the VGH buildings by choosing a peak ground motion through the use of the slider (bottom of Page). A peak ground motion of 30 cm/sec is considered a moderate level of shaking for VGH buildings.

PPR LIVE RESULTS

The PPR rating of each VGH building is shown vertically. The peak ground motion measured by the building sensor is shown as the central vertical black bar within each PPR rating.

GROUND MOTION

This menu option gives the peak ground motion for each VGH building as measured by the VGH Vmax sensors.

SENSOR DETAILS

This page details the PPR thresholds for each VGH building. The right column gives the PPR colour code for each building.

BROCHURES

The menu option provides a selection of brochures that give background information on PPR technology and the PPR process.