DRAFT

Seismic 101

Presented to Churchill PAC

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Road to Seismic Mitigation

★ **Decision Point: Project can't move forward unless approved**

This is an estimated timeline and will vary depending on the project

Community Engagement

1 Community Engagement Begins
The School Advisory Group is formed and receives an overview of the seismic options, potential community impacts and opportunities from District staff

2 Inform School Community
District staff informs the School Advisory Group of the project agreement to be embargoed until the project is formally announced

3 Public Information Session
The District hosts a public information session to answer questions regarding the seismic project and receive feedback from the school community

4 Engage School Community
From this point forward, the Vancouver Project Office and District staff regularly engages the School Advisory Group to obtain their feedback regarding the public information session, design of the school and transportation logistics

5 Update School Community
The Vancouver Project Office and District staff regularly update the School Advisory Group about potential construction and traffic impacts to minimize school disruptions and ensure the site is safe

VSB Vancouver School Board

Form a Parent Seismic Group Now!

The goal here is to have an engaged approach right from the beginning.

- **Churchill is H1 (High Risk) and has a Facility Index of .71 (Very Poor). #1 position for the VSB in their five year capital plan for secondary schools to be seismically mitigated. Churchill has $25M in deferred maintenance and also has building envelope issues.**

- **Lots of early decisions are all going to be secret. The Vancouver Project Office Steering Committee is a joint venture between the VSB & Ministry of Education. The elected Trustees & Public are forbidden to be involved.**

- **Forming a group of parents now that understand all the details of what is going to happen is super important. The Churchill PAC and community should be involved every step of the way.**

What are the Seismic Options?

The Steering Committee will decide these WITHOUT public input; this only exists in Vancouver. Richmond and Surrey also have Seismic Project Offices but their Trustees and public are involved.

- **The Vancouver Project Office Steering Committee will choose between: 1) Seismic Upgrade, 2) Partial Replacement and 3) Full Replacement.**
- **The Steering Committee must select the lowest INITIAL cost option. This means that no lifecycle analysis is factored into the definition of lowest cost; deferred maintenance does not count.**
- **So even if a Replacement School is less expensive than an Upgrade over 10 years, the decision will be made to Upgrade the school, as was recently done for Edith Cavell.**

What about capacity & school size?

New Schools are built using early 2000s era BC Area Standards, which build the smallest schools in Canada for circulation and non-classroom spaces.

- **There is a rule in the Seismic program that the school capacity will be the same, so there is no ability to expand the school's capacity. It will the same at: 1,900 students.**
- **The benefit of a Seismic Upgrade is that the school will retain its existing physical space of 22,246 square meters.**
- **However in a Seismic Upgrade, several items are not addressed such as Sustainability & Accessibility & Asbestos & Lead Pipes, etc.**
- **If it is a Seismic Replacement, then the new school will be about 30% smaller at around 16,000 square meters. And if Hamber is an indication, there will be a daycare on the roof and the community may have to advocate for an auditorium as Hamber was initially planned to not have one.**

What about special programs?

Many schools that have undergone seismic mitigations had changes to choice programs.

- **Churchill has 3 choice programs: 1) French Immersion, 2) International Baccalaureate, 3) Mini-School.**
- **Choice programs are controlled by the District and can be moved and/or cancelled. The Churchill community will have to seek understanding from the District on choice programs and if and how they will be retained.**
- **Schools that have undergone seismic have had some choice programs moved such as French Immersion at Hudson & Fleming and Mandarin at Jamieson.**

If Replacement, where will it be built?

Most Replacements do not require the kids to vacate the existing building.

- **Lower Field?**
- **Track?**
- **Demo & Replace?**

The PAC will NOT be involved in this decision as this will be decided by the Steering Committee in secret.

If Upgrade, where will students go to school?

New Hamber is expected to be completed in 2023. The existing Hamber will be a swing site for at least 15 years, maybe longer. This will likely be the new "home" for Churchill. Note that the capacity is 1,700 so will all choice programs move over?

What are the timelines?

Churchill was moved from Year 4 in the 20/21 five year capital plan to Year 1 in the 21/22 five year capital plan.

SECONDARY SCHOOL PRIORITIES (SMP)

District staff have prioritized secondary school funding requests based on the criteria in Table four.

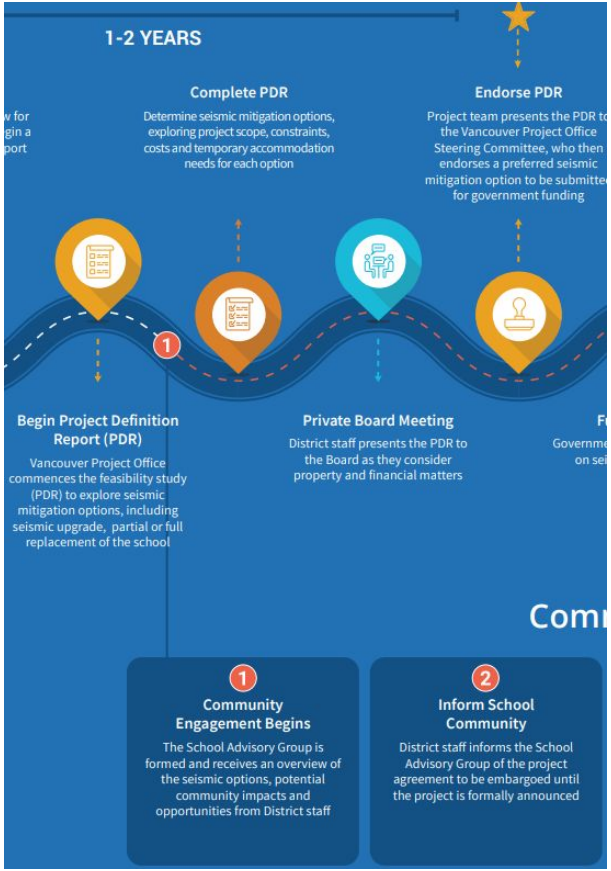
Table 11 – Secondary Schools Years 1-3

CP year	School Name	Seismic Risk	Nominal Capacity
1	Churchill	H1	1900
2	John Oliver	H1	1700
3	King George	H1	375
Total			**3975**

Churchill is the largest school in the District with a nominal capacity of 1900 students. Currently Churchill enrolls over 2000 students. Enrolment at Churchill is forecast to remain stable for the foreseeable future. The school is centrally located, and it is essential to accommodate a large population of District secondary students. There is insufficient seismically safe capacity in schools surrounding Churchill to accommodate its students and this situation will prevail in future years.

- **Decision by Ministry disclosed NEXT MONTH, in June 2021.**
- **Overall, takes 7 to 9 years.**
- **Vancouver Project Office will create Project Definition Report.**
- **Steering Committee will, in secret, select option.**
- **Could have to wait for Hamber swing space.**
- **2 years for actual seismic mitigation estimate.**

The VSB Sponsored Seismic Advisory Group



How impactful will the consultation be?

What details will be provided?

- **Seismic Advisory Groups (SAG) do not have official agenda or minutes. SAG will consist of school admin, school staff, 2 parents and 2 students.**
- **Some past and current SAGs have been frustrated as information, communication and consultation has been lacking. The Maple Grove SAG was in that situation when due to cost escalations certain features promised were cut back. The Edith Cavell SAG is in that situation right now, asking for lead paint, portable, and accessibility improvements. The Hamber SAG is in that situation right now not knowing what changes the VSB is making that has delayed the City of Vancouver permit.**