There is lots of interest in an Immersed Tunnel as better solution than a 1960's style Freeway Bridge with massive half-mile-long elevated interchanges.

See following Tweets, lots of likes and impressions.

The IBR has spent millions soliciting public comment, but gets few Tweet likes, mostly disparaging comments.

 Stacked One-Bridge Option (Different Levels for Northbound & Southbound Traffic)



Immersed Tunnel



Bob Ortblad MSCE, MBA



as seen in the new york times @nomorefreeways · Apr 30

Considering the outrageously high height that a bridge will have to top so the coast guard is satisfied that boats can pass underneath, building a tunnel for the @lbrProgram increasingly seems like a cost-effective option, as @BOrtblad has been saying. But IBR won't study it.



Bob Ortblad @BOrtblad · Apr 30

An immersed tunnel trench can be dredged in 35 days; prefabbed tunnel segments can places in a few days; low river impact

Bridge requires years of in river construction of drilled shafts, piers, & trusses

@PortOfPortland @EPAnorthwest @USCGPacificNW @PortlandCorps @IbrProgram





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Impressions ①

Engagements ①

Detail expands ①

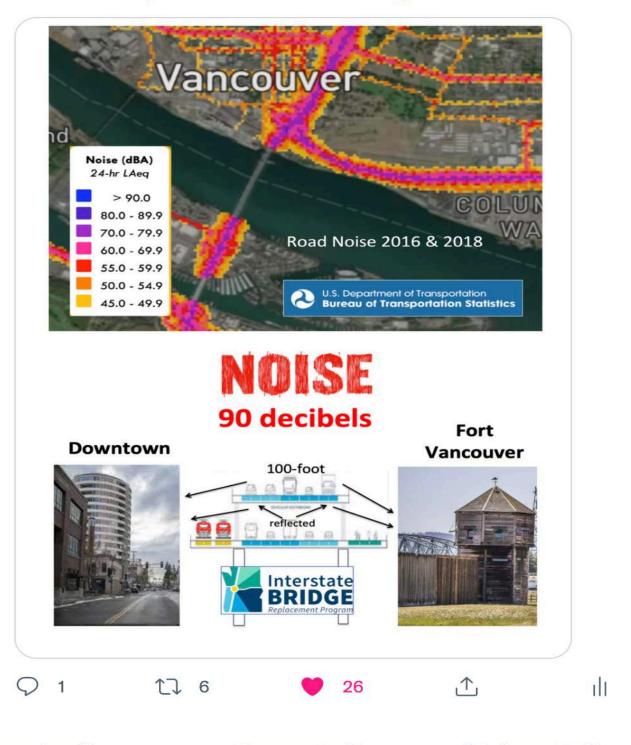
160

132

The IBR's elevated bridge interchanges will increase the volume & distance of highway noise shown by the USDOT's map.

An immersed tunnel will silence the river and reduce riverfront noise.

@EPAnorthwest @USDOTFHWA @FTA_DOT @USCGPacificNW @PortlandCorps @VancouverUS @IbrProgram



Impressions ①

1,949

Engagements ①

463

Detail expands ①

383

The IBR's selection of LRT makes an immersed tunnel better solution than a bridge.

A towering +110' Columbia Way Station can be avoided along with massive elevated interchanges.

@ctranvancouver @trimet @USDOTFHWA @FTA_DOT @USCGPacificNW @PortlandCorps @VancouverUS @lbrProgram

High Bridge - A Columbia Way LRT Station requires a massive structure twice the height of Sound Transit's Tukwila Station.



Immersed Tunnel - An Columbia Way LRT Station can be built just below ground with an attractive ground level entrance.



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Impressions (1)

1,434

Engagements (1)

Detail expands (1)



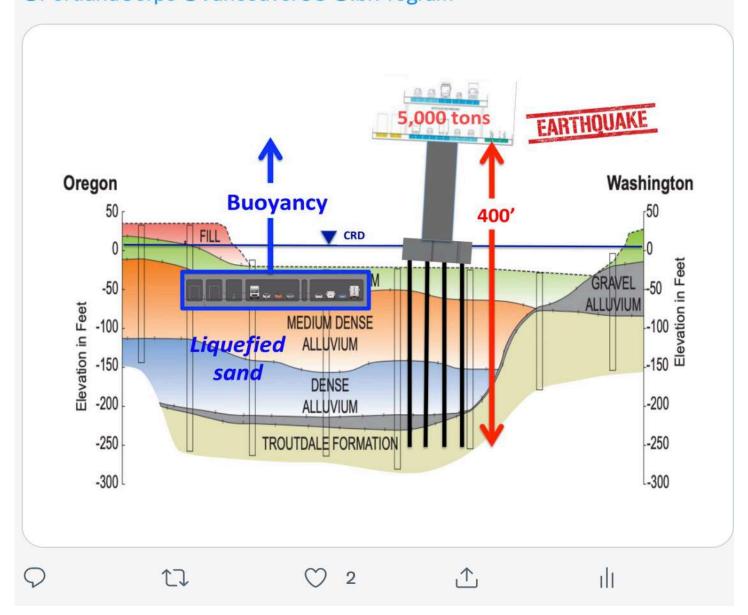
Bob Ortblad @BOrtblad · Apr 26

Buoyancy makes an immersed tunnel almost immune to earthquake liquefaction

Costly to earthquake proof a bridge supporting 5,000-ton trusses 400' from solid ground

Buoyancy is free

@EPAnorthwest @USDOTFHWA @FTA DOT @USCGPacificNW @PortlandCorps @VancouverUS @lbrProgram



Impressions ①

375

Engagements ①

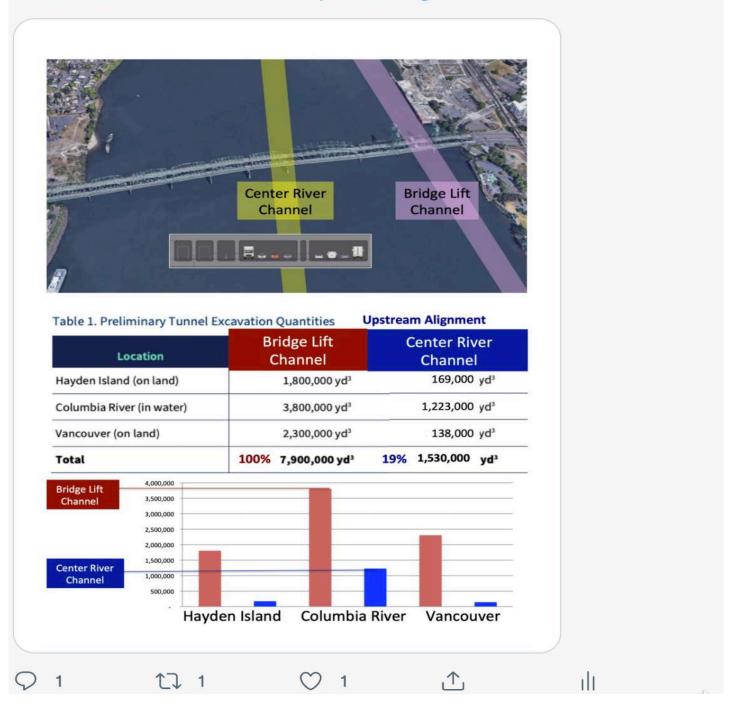
Detail expands (1)

Bob Ortblad @BOrtblad · Apr 24

The IBR's "Tunnel Concept Assessment" is worthless because it evaluated a tunnel under the bridge lift channel that would become redundant.

A tunnel allows a center river channel & excavation quantities 80% less than IBR's estimates.

@USCGPacificNW @PortlandCorps @lbrProgram



Impressions ①

Engagements ①

Detail expands (

233

55

43