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The Interstate Bridge Replacement's estimate of immersed tunnel excavation and dredging was an inflated 8 million cubic yards, a realistic estimate is 2 million cubic yards.

With "No Public Notice" the IBR just issued Revision 2 of "Tunnel Concept Assessment" and admitted its estimate was 4 million cubic yards too large.

On July 14, 2021, two years ago, at the first viewing of this report, I said the IBR's quantity estimate should be at least half as large. The IBR never checked its estimate and only after I proved their incorrect and misleading estimate from a Public Disclosure Request did the IBR issue Revision 2.

This report must be retracted and give notice to the public and local, state, and federal agencies that made decisions based on misleading information.

The IBR has admitted its estimate is wrong but does not plan to retract its "Tunnel Concept Assessment".

Respectfully  
Bob Ortblad MSCE, MBA  
206 992-1111

See attachment

Table 1. Preliminary Tunnel Excavation Quantities

| Location                  | Upstream Alignment                         | Downstream Alignment                                  |
|---------------------------|--|---|
| Hayden Island (on land)   | 1,800,000 yd <sup>3</sup>                  | 2,200,000 yd <sup>3</sup>                             |
| Columbia River (in water) | 3,800,000 yd <sup>3</sup>                  | 4,000,000 yd <sup>3</sup>                             |
| Vancouver (on land)       | 2,300,000 yd <sup>3</sup>                  | 2,700,000 yd <sup>3</sup>                             |
| <b>Total</b>              | <b>7,900,000 yd<sup>3</sup> -4,000,000</b> | <b>8,900,000 yd<sup>3</sup> -4,500,000 correction</b> |
|                           | <b>200%</b>                                | <b>200%</b>   |

# Tunnel Concept Assessment

July 14, 2021

Table 1. Preliminary Tunnel Excavation Quantities

| Location                  | Upstream Alignment                     | Downstream Alignment                   |
|---------------------------|--|--|
| Hayden Island (on land)   | <u>800,000 yd<sup>3</sup></u>          | <u>1,000,000 yd<sup>3</sup></u>        |
| Columbia River (in water) | <u>2,100,000 yd<sup>3</sup></u>        | <u>2,300,000 yd<sup>3</sup></u>        |
| Vancouver (on land)       | <u>1,000,000 yd<sup>3</sup></u>        | <u>1,100,000 yd<sup>3</sup></u>        |
| <b>Total</b>              | <b><u>3,900,000 yd<sup>3</sup></u></b> | <b><u>4,400,000 yd<sup>3</sup></u></b> |
|                           | <b>100%</b>                            | <b>100%</b>                            |

Revision 2

No Public Notice

September 18, 2023