

## VandenBerghe, Alissa (Consultant)

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**From:** Rigsby, Mike (Consultant)  
**Sent:** Friday, January 02, 2009 3:27 PM  
**To:** Paananen, Ron; Grotefendt, Amy (Consultant); White, John; Dye, Dave; Williamson, Alec; Preedy, Matt; Morrison, Mike (Consultant)  
**Subject:** RE: For Review -- Hybrid Costs and Funding Matrices  
**Follow Up Flag:** Follow up  
**Flag Status:** Red

Not quite. My current understanding of the fully marked up public utility costs for the bored tunnel scenario including all markups, risk, contingency, and inflation is:

- \$268M for the bored tunnel hybrid scenario
  - \$168M apportioned to the bored tunnel (included in the \$2.1B)
  - \$100M apportioned to the central waterfront

These are conceptual and somewhat subjective apportionments. There is a significant opportunity to reduce utility costs in the bored tunnel at the north portal that has not been taken.

Mike Rigsby  
Alaskan Way Viaduct and Seawall Replacement Project  
206-382-6352

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**From:** Paananen, Ron  
**Sent:** Fri 1/2/2009 12:58 PM  
**To:** Rigsby, Mike (Consultant); Grotefendt, Amy (Consultant); White, John; Dye, Dave; Williamson, Alec; Preedy, Matt; Morrison, Mike (Consultant)  
**Subject:** Re: For Review -- Hybrid Costs and Funding Matrices

So, the way I understand it, there is \$100 million for the tunnel and \$152 million on the waterfront for a total of \$252 million of utility relocation (SPU and SCL) for the bored tunnel hybrid.

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**From:** Rigsby, Mike (Consultant)  
**To:** Grotefendt, Amy (Consultant); Paananen, Ron; White, John; Dye, Dave; Williamson, Alec; Preedy, Matt; Morrison, Mike (Consultant)  
**Sent:** Fri Jan 02 12:08:08 2009  
**Subject:** RE: For Review -- Hybrid Costs and Funding Matrices

There are a lot of ways to slice and dice these estimates and different approaches will yield different results. After my brief review, I had the following comments:

- The utility relocation costs for Surface/Transit look low at \$150M. I would estimate \$233M.
- The utility relocation costs for Elevated look low at \$150. I would estimate \$210.
- The utility relocation costs for Bored Tunnel look high at \$152M. I would estimate \$100M since \$168M for utilities was included in the \$2.1B for the bored tunnel.
- Surface street costs for the Bored tunnel look to be high at \$280M. Not sure what was assumed couplet or Alaskan Way Surface street.
- Total costs for the Bored Tunnel at \$2.963B look high to me. I would estimate \$2.817B.

Please let me know if you have any questions or need to discuss further.

Mike Rigsby  
Alaskan Way Viaduct and Seawall Replacement Project  
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**From:** Grotefendt, Amy (Consultant)  
**Sent:** Wed 12/31/2008 11:50 AM  
**To:** Paananen, Ron; White, John; Powers, Bob; 'bob.chandler@seattle.gov'; 'Posthuma, Ron'; Parsons, Jim; Dye, Dave; Rigsby, Mike (Consultant); Williamson, Alec; Preedy, Matt; 'bennett@concurinc.net'; Morrison, Mike (Consultant)  
**Cc:** 'Tracie Sunday'; Van Ness, Kristy (Consultant); 'OClaire, Christina'  
**Subject:** RE: For Review -- Hybrid Costs and Funding Matrices

Attached is the revised spreadsheet based on this morning's meeting.

Use only the first worksheet. Please DO NOT use the worksheets that include detail about each hybrid. Those have not been updated to reflect the summary sheet -- Powers and Posthuma will bring back up with them to explain the surface and transit numbers on the summary sheet. I think the plan is also for Powers to bring print outs of this summary sheet and try to have a computer and projector there as well.

Thanks and good luck on Friday!  
AJG

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**From:** Grotefendt, Amy (Consultant)  
**Sent:** Tuesday, December 30, 2008 5:43 PM  
**To:** Paananen, Ron; White, John; 'robert.powers@seattle.gov'; 'bob.chandler@seattle.gov'; 'Posthuma, Ron'; 'James D. Parsons'; Dye, Dave; Rigsby, Mike (Consultant); Williamson, Alec; Preedy, Matt; 'bennett@concurinc.net'; Morrison, Mike (Consultant)  
**Cc:** 'Tracie Sunday'; Van Ness, Kristy (Consultant)  
**Subject:** For Review -- Hybrid Costs and Funding Matrices

Attached are spreadsheets which reflect two things:

1. The conversation at today's tri-agency about the total costs of the elements (transit, city streets, etc.) should be included in three hybrid alternatives as well as which agencies should be responsible for the costs of the elements. (reflected on the first worksheet)
2. Details about the line items for two of the three hybrid scenarios (reflected on the next three worksheets). The bored tunnel hybrid is not as detailed, which I think will be part of the conversation during tomorrow morning's meeting. Some of the "total" numbers on the summary sheet do not necessarily match the totals when the details are added up; I think we'll need to verify which elements we actually want to include in each hybrid scenario and revise the totals accordingly. The details match what was included in Mike Morrison's cost sheet as of Dec. 18.

And this is my best guess based on multiple conversations, emails, and spreadsheets -- I am sure there are still things that are wrong. If you do make changes directly on the spreadsheets, please highlight them in yellow so they're easy to find. You can also drop off changes at Kristy's office in the morning -- I'll be there in the morning.

Thanks  
AJG

6/25/2009

