

## VandenBerghe, Alissa (Consultant)

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**From:** Struthers, James  
**Sent:** Thursday, January 22, 2009 2:48 PM  
**To:** Tobin, Thomas  
**Cc:** Williamson, Alec  
**Subject:** FW: guesses for next biennium for AWV geotech  
**Follow Up Flag:** Follow up  
**Flag Status:** Red

Below is our extremely rough take on potential upcoming funding needs for geotech. Please note that these rough numbers are based on the single bored tunnel concept. If a second bore is carried forward in baseline work, the numbers will be low.

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**From:** Nykamp, Monique (Consultant)  
**Sent:** Thursday, January 22, 2009 2:44 PM  
**To:** Struthers, James  
**Cc:** 'Gerard Buechel'; Red Robinson; Mike Kucker  
**Subject:** guesses for next biennium for AWV geotech

Hi Jim

UCO needs some rough numbers from us today to try and predict pots of money for the next biennium. Here are my rough guesses

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Remainder of 07-09 biennium for work that is NOT tasked yet:

Phase 1 Drilling for Bored Tunnel (3,000 feet)  
S&W = \$500,000 (not including drilling subcontract)  
Drilling (Boart Longyear or WSDOT) = \$350,000

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I wish I had a crystal ball for the 2009 to 2011 biennium, but here goes:

Phase 2 Drilling for Bored Tunnel and GEDR (7,000 feet):  
S&W = \$1,200,000 (not including drilling subcontract)  
Drilling (Boart Longyear or WSDOT) = \$1,100,000 (double sampling deep)

Bored Tunnel Preliminary Engineering  
S&W = \$500,000

Bored Tunnel Tender GBR  
S&W = \$100,000

Bored Tunnel Support (meetings, plans, specs, estimate, etc.)

6/24/2009

Assume 0.5 FTE (\$150/hr) from 6-09 to 6-11  
S&W = \$300,000

Holgate to King modifications - updated engineering  
S&W = \$300,000

Continued in-house support for all aspects of AWV project  
Assume 1.5 FTE (\$150/hr) from 6-09 to 6-11  
S&W = \$900,000

Total S&W for 09-11 biennium for AWV = \$3,300,000

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Currently we have about \$1,800,000 available contractually between Y9593, Y9594, and Y10393 that has not been tasked. These contracts end on December 31, 2009.

Based on the above, my estimate for what will be needed beyond December 31, 2009 for the remainder of the 09-11 biennium just to support the AWV project (not counting other WSDOT projects), would be about \$2,000,000

These are very rough guesses based on a very unpredictable future. This also assumes a single large-diameter bored tunnel.

Thanks

Monique

**Monique A. Nykamp, P.E.**

*Associate - Shannon & Wilson Inc.*

*Assistant Geotechnical Engineer for the AWVSRP project*

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