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**From:** Van Ness, Kristy (Consultant)  
**Sent:** Wednesday, February 11, 2009 2:45 PM  
**To:** Paananen, Ron  
**Cc:** Grotefendt, Amy (Consultant)  
**Subject:** FW: Preliminary Draft Toll Feasibility Results for the Bored Tunnel Concept  
**Attachments:** AWW Toll Feasibility Initial Memo 12-22-08 DRAFT v3.1.pdf

Ron - note the "preliminary draft for internal discussion" label. Should I send it to Cascadia as is, or make any changes?

Thanks!!  
Kristy

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**From:** Baker, T Brent [mailto:Baker@pbworld.com]  
**Sent:** Wednesday, February 11, 2009 2:42 PM  
**To:** Van Ness, Kristy (Consultant)  
**Cc:** Rigsby, Mike (Consultant); Arnis, Amy; Smith, Helena Kennedy; Paananen, Ron  
**Subject:** RE: Preliminary Draft Toll Feasibility Results for the Bored Tunnel Concept  
**Importance:** High

Kristy --

Here is the requested memo regarding the toll funding potential for the SR 99 AWW tunnel (same content as the 12/19/08 memo Ron provided except this one fixes a few typos and was redated 12/22/08).

Note that this is labeled "Preliminary Draft for Internal Discussion" -- I don't know if this was prepared in its current iteration for wide distribution (there is no language that sets the context, describes what "Scenario F" is, etc.) and we have not received any comments or further direction on this since December.

Let us know if we need to modify this in any way before you send it to the Cascadia Group.

Regards,  
Brent

**T. Brent Baker**  
Principal Consultant  
PB Consult  
999 Third Avenue | Suite 2200 | Seattle, WA 98104-4020  
206.382.5284 | cell: 206.310.3291 | fax: 206.382.5222 | baker@pbworld.com

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**From:** Van Ness, Kristy (Consultant) [mailto:VanNesK@consultant.wsdot.wa.gov]  
**Sent:** Wednesday, February 11, 2009 12:55 PM  
**To:** Baker, T Brent  
**Cc:** Rigsby, Mike (Consultant)  
**Subject:** FW: Preliminary Draft Toll Feasibility Results for the Bored Tunnel Concept  
**Importance:** High

Was this finalized? If there is a final, or an updated version, can I get a copy of it? Ron asked me to send it to Cascadia, based on a request I received yesterday.

Thanks!  
Kristy

Kristy Van Ness (Laing)  
Communications Manager  
Alaskan Way Viaduct and Seawall Replacement Program  
206.382.6361  
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**From:** Paananen, Ron  
**Sent:** Sun 12/21/2008 9:44 AM  
**To:** Grotefendt, Amy (Consultant)

6/26/2009

**Subject:** FW: Preliminary Draft Toll Feasibility Results for the Bored Tunnel Concept

Here's one.

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**From:** Baker, T Brent [mailto: ]  
**Sent:** Fri 12/19/2008 5:20 PM  
**To:** Dye, Dave; Stone, Craig; Paananen, Ron; Smith, Helena Kennedy; Arnis, Amy; Williamson, Alec  
**Cc:** Rigsby, Mike; Lo, Anthony K.; Ladner, Scott; Beach, Tracy; Palmer, Brian; Wellander, Chris; Dehghani, Youssef; Helmann, Craig; Clark, Gordon T.; 160067@pbworld.com; Waters, Mia  
**Subject:** RE: Preliminary Draft Toll Feasibility Results for the Bored Tunnel Concept

Oops, the original email was missing the daily traffic PDF attachment; both are included here.

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From: Baker, T Brent  
Sent: Fri 12/19/2008 5:15 PM  
To: dyed@wsdot.wa.gov; stonec@wsdot.wa.gov; Paananen, Ron; Helena Kennedy Smith (smithh@wsdot.wa.gov); Amy Arnis (ArnisA@WSDOT.WA.GOV); Williamson, Alec  
Cc: Rigsby, Mike; Lo, Anthony K.; Ladner, Scott; Beach, Tracy; Palmer, Brian; Wellander, Chris A.; Dehghani, Youssef; Craig Helman (HelmanC@wsdot.wa.gov); Clark, Gordon T.; 160067@pbworld.com; Mia Waters (watersy@wsdot.wa.gov)  
Subject: Preliminary Draft Toll Feasibility Results for the Bored Tunnel Concept

Dave, Helena --

We are pleased to attach is a brief memo documenting our findings and assumptions for the initial, preliminary toll analysis of the SR 99 Bored Tunnel Concept.

Also attached is a PDF file summarizing the modeled daily traffic results that Craig Helmann prepared (thanks go to Craig for the quick modeling, working with us to evaluate several toll scenarios before arriving at the scheme documented herein).

Unlike past AWV tolling analyses, this effort has undertaken more of a revenue emphasis in the determination of toll rates used in the modeling of this 4 lane tunnel. Earlier work focused more on the minimum tolls required to manage traffic out of congestion on a 6 lane facility.

The preliminary toll funding estimate is \$410 million, or \$650 million with the addition of tolling during construction. As noted in the memorandum, this work is preliminary, and thus, subject to change with improved tools, assumptions and other input information.

We look forward to your comments and suggestions. Give us a call if you have any questions.

Happy Holidays,  
Brent

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