

Kay, Rachel (Consultant)

From: Williamson, Alec
Sent: Saturday, December 13, 2008 11:28 AM
To: Waters, Mia
Cc: baker@pbworld.com; White, John; Preedy, Matt; Greco, Theresa
Subject: bored tunnel expenditure spread for tolling arw 12-13-08.xls
Attachments: bored tunnel expenditure spread for tolling arw 12-13-08.xls

Mia/Brent- Hopefully this sheet will suffice for the potential expenditure side of your quick tolling analysis study. If at all possible I would like to have a couple of bookends since the bored tunnel configuration and implementation is not determined yet and since the range in cost is substantial. I did not include any of the waterfront work, but in this scenario it would occur after bored tunnel construction (perhaps starting in 2020 or so.) I am not sure that tolling revenues would be used for that other work- I think it would be funded in other ways and the tolling revenue would be used for continued operations and maintenance. Of course there are myriad assumptions in all of this but I think this is a reasonable approach for now. let me know if you have questions or need additional information.

Thanks,
Alec

Tunnel

Configuration	Fiscal 2010	Fiscal 2011	Fiscal 2012	Fiscal 2013
Single Bore	98,200,000	106,700,000	97,200,000	285,000,000
Twin Bore	137,400,000	149,400,000	136,100,000	399,000,000

PE

Peliminary Geotech	7/1/2009	6/30/2010	12
Environmental Doc	7/1/2009	6/30/2011	24
Conceptual Design	7/1/2009	11/30/2009	5
Preliminary Design	12/1/2009	4/30/2010	5
Final Design			0
30	5/3/2010	7/30/2010	3
60	8/2/2010	11/30/2010	4
90	12/1/2010	2/28/2011	3
100	3/1/2011	4/29/2011	2
HQ PS&E Review	5/2/2011	7/1/2011	2
Bid & Award	7/5/2011	12/1/2011	5

ROW

7/1/2009	6/30/2011	24
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Construction

Construction Management & Traffic/En	12/1/2011	2/28/2018	76
Demobilization	1/2/2018	2/28/2018	2

Fiscal 2014	Fiscal 2015	Fiscal 2016	Fiscal 2017	Fiscal 2018
308,000,000	363,900,000	134,300,000	129,900,000	183,700,000
431,200,000	509,400,000	188,000,000	181,900,000	257,200,000

Fiscal 2019 Total

150,000,000	1,856,900,000
150,000,000	2,539,700,000