

Tacoma Narrows Bridge Citizen Advisory Committee Meeting

February 28, 2008 - 5:00 – 7:00 p.m.

Gig Harbor/Peninsula Library
4424 Point Fosdick Dr NW
Gig Harbor, WA 98335

TNB Citizen Advisory Committee:
Caroline Belleci, University Place
Ted Hilliard, Tracyton
Tracy Hopkins, Gig Harbor
Ron Jones, Gig Harbor
Jim Pasin, Gig Harbor
Bob Ryan, Tacoma
Sonja Morgan, Tacoma
Alan Weaver, Gig Harbor

WA State Transportation Commission:
Dan O’Neal
Reema Griffith

WSDOT
Ted Trepanier
Greg Selstead
Janet Matkin
Heather Reitmeier

AGENDA

- 5:00 – 5:10 Call to Order.....Bob Ryan
- 5:10 – 6:00 Old Business
- Report on I-960.....Hannah/Reema
 - Discussion of financial projections.....All
 - Discussion of impacts on toll setting.....All
- 6:00 – 6:30 New business
- Discussion of cost of manual vs. ETC.....All
 - Discussion of tolling scenarios.....All
- 6:30 – 6:45 Public comment.....Public
- 6:45 – 6:55 Steps for next meeting.....All
- 6:55 – 7:00 AdjournmentBob Ryan

* DIRECTIONS: From the Tacoma Narrows Bridge, take exit 10, Olympic Drive NW. Turn left at Olympic Drive NW. Turn left at Point Fosdick Drive NW and drive 0.4 miles to turn right at the Peninsula Library.

Notes from February 28, 2008

TNB Citizen Advisory Committee Meeting

Attendance

Those in attendance included: Bob Ryan, Caroline Belleci, Jim Pasin, Alan Weaver, Tracey Hopkins and Ron Jones. Excused absences: Sonja Morgan and Ted Hilliard.

Review of materials in packet

- **Report on I-960**

Hannah Johnson, with Rep. Seaquist's office, reported that the language in the Senate budget bill is now the same as in the House – giving authority to the Transportation Commission to set toll rates.

- **Financial projections**

Discussion centered on the cumulative fund balance that is projected in future years. Bob Ryan asked if tolls could be retired early if the fund balance reached a point that all future bond payments could be made. Selstead agree to provide an answer at the next meeting. The Committee also agreed that it was their role to determine how much of a fund balance should be maintained each year and that the financial forecasts were simply a guide for them.

Discussion on impact of toll setting

- **Cost of manual toll lanes vs. electronic lanes**

Greg Selstead told the Committee that his very preliminary analysis showed that collecting the toll electronically costs about 1/3 as much as collecting it manually.

- **Questions on revenue forecasts and toll scenarios**

Selstead responded to a series of questions regarding the revenue forecasts. He explained that the current revenue forecasts incorporate the actual revenue and expense numbers, as well as actual traffic counts, to offer a more accurate forecast each time the updates are made. The model used to create the forecasts is very complex and includes such factors as economic indicators; driver behavior in other tolling facilities; and weighted average tolls that include multi-axle vehicles. He went on to add that the most recent forecasts include the Governor's proposed supplemental budget requests and the newly negotiated terms from the TransCore contract. He explained that the forecasts will be updated once again once the legislature and Governor approve the final supplemental budget.

Public Comment

Randy Boss referenced the points he made in his written submission at the previous meeting.

James Brouillet talked about the original bridge tolls back in the 1950s. He said he would like to see the continuation of a discount for electronic toll users, even if the toll for cash payers goes up 75%.

Rex Nelson said that the \$3.00 toll currently for manual toll payers is comparable to the inflated amount of the original toll on the bridge. He said the electronic lanes should stay a lower amount since it costs less to process the electronic tolls.

Adjournment

The meeting adjourned at 6:45 p.m.

Toll Operations and Maintenance
Program B2 Tacoma Narrows Bridge
Financial Plan Summary
Dollars Rounded to Thousands

SCENARIO A																			
FY 07/08 (July 16, 2007 to June 30, 2008): ETC = \$1.75 per 2 axle vehicle; CASH = \$3.00 per 2 axle vehicle																			
FY 08/09 (July 1, 2008 to June 30, 2009): ETC = \$3.00 per 2 axle vehicle; CASH = \$4.00 per 2 axle vehicle																			
FY 09/10 and FY 10/11 (July 1, 2009 to June 30, 2011): ETC = \$4.00 per 2 axle vehicle; CASH = \$5.00 per 2 axle vehicle																			
State Fiscal Year	Toll Rate (ETC/CASH)	Toll Revenue	Trans-ponder Revenue	Gross Toll Revenue	WSDOT Oversight & Administration of Toll Operations ⁴	Toll Systems Operations (TransCore Contract) ⁵	WSDOT Maintenance of the New Bridge ⁴	WSP Enforcement ⁴	Insurance ⁴	Total Toll Operations & Maintenance	WSDOT Preservation of New Bridge, Roadway, & Toll Systems ⁴	Deferred Sales Tax	Total Costs paid by Tolls	Net Toll Revenue	Debt Service	Transfer From/(To) Other Sources	Yearly Remaining Funds	Cumulative Funds	Debt Service Coverage
2006	-	-	-	-	171	368	-	-	-	5,288	-	-	5,288	(5,288)	-	5,288	-	-	0.0%
2007 ¹	-	-	-	-	1,321	3,428	-	-	-	5,288	-	-	5,288	(5,288)	-	5,288	-	-	0.0%
2008 ²	\$1.75/\$3.00	30,501	630	31,131	1,836	10,114	733	602	735	14,020	112	-	14,132	16,999	14,808	1,300	3,491	3,491	114.8%
2009 ³	\$3.00/\$4.00	49,255	534	49,789	2,154	7,477	815	686	3,290	14,422	305	-	14,727	35,062	27,202	-	7,860	11,351	128.9%
2010 ³	\$4.00/\$5.00	65,923	578	66,501	3,371	7,686	831	853	3,455	16,196	136	-	16,332	50,169	35,212	(2,644)	12,313	23,664	142.5%
2011 ³	\$4.00/\$5.00	66,718	595	67,313	3,406	7,902	841	870	3,529	16,548	546	-	17,094	50,219	45,242	(2,644)	2,333	25,997	111.0%

SCENARIO B																			
FY 07/08 (July 16, 2007 to June 30, 2008): ETC = \$1.75 per 2 axle vehicle; CASH = \$3.00 per 2 axle vehicle																			
FY 08/09 (July 1, 2008 to June 30, 2009): ETC = \$2.75 per 2 axle vehicle; CASH = \$4.00 per 2 axle vehicle																			
FY 09/10 and FY 10/11 (July 1, 2009 to June 30, 2011): ETC = \$4.00 per 2 axle vehicle; CASH = \$5.00 per 2 axle vehicle																			
State Fiscal Year	Toll Rate (ETC/CASH)	Toll Revenue	Trans-ponder Revenue	Gross Toll Revenue	WSDOT Oversight & Administration of Toll Operations ⁴	Toll Systems Operations (TransCore Contract) ⁵	WSDOT Maintenance of the New Bridge ⁴	WSP Enforcement ⁴	Insurance ⁴	Total Toll Operations & Maintenance	WSDOT Preservation of New Bridge, Roadway, & Toll Systems ⁴	Deferred Sales Tax	Total Costs paid by Tolls	Net Toll Revenue	Debt Service	Transfer From/(To) Other Sources	Yearly Remaining Funds	Cumulative Funds	Debt Service Coverage
2006	-	-	-	-	171	368	-	-	-	5,288	-	-	5,288	(5,288)	-	5,288	-	-	0.0%
2007 ¹	-	-	-	-	1,321	3,428	-	-	-	5,288	-	-	5,288	(5,288)	-	5,288	-	-	0.0%
2008 ²	\$1.75/\$3.00	30,501	630	31,131	1,836	10,114	733	602	735	14,020	112	-	14,132	16,999	14,808	1,300	3,491	3,491	114.8%
2009 ³	\$2.75/\$4.00	46,574	534	47,108	2,154	7,477	815	686	3,290	14,422	305	-	14,727	32,381	27,202	-	5,179	8,670	119.0%
2010 ³	\$4.00/\$5.00	65,537	578	66,115	3,371	7,686	831	853	3,455	16,196	136	-	16,332	49,783	35,212	(2,644)	11,927	20,597	141.4%
2011 ³	\$4.00/\$5.00	66,352	595	66,947	3,406	7,902	841	870	3,529	16,548	546	-	17,094	49,853	45,242	(2,644)	1,967	22,564	110.2%

SCENARIO C																			
FY 07/08 (July 16, 2007 to June 30, 2008): ETC = \$1.75 per 2 axle vehicle; CASH = \$3.00 per 2 axle vehicle																			
FY 08/09 (July 1, 2008 to June 30, 2009): ETC = \$2.75 per 2 axle vehicle; CASH = \$4.00 per 2 axle vehicle																			
FY 09/10 and FY 10/11 (July 1, 2009 to June 30, 2011): ETC = \$4.00 per 2 axle vehicle; CASH = \$4.00 per 2 axle vehicle																			
State Fiscal Year	Toll Rate (ETC/CASH)	Toll Revenue	Trans-ponder Revenue	Gross Toll Revenue	WSDOT Oversight & Administration of Toll Operations ⁴	Toll Systems Operations (TransCore Contract) ⁵	WSDOT Maintenance of the New Bridge ⁴	WSP Enforcement ⁴	Insurance ⁴	Total Toll Operations & Maintenance	WSDOT Preservation of New Bridge, Roadway, & Toll Systems ⁴	Deferred Sales Tax	Total Costs paid by Tolls	Net Toll Revenue	Debt Service	Transfer From/(To) Other Sources	Yearly Remaining Funds	Cumulative Funds	Debt Service Coverage
2006	-	-	-	-	171	368	-	-	-	5,288	-	-	5,288	(5,288)	-	5,288	-	-	0.0%
2007 ¹	-	-	-	-	1,321	3,428	-	-	-	5,288	-	-	5,288	(5,288)	-	5,288	-	-	0.0%
2008 ²	\$1.75/\$3.00	30,501	630	31,131	1,836	10,114	733	602	735	14,020	112	-	14,132	16,999	14,808	1,300	3,491	3,491	114.8%
2009 ³	\$2.75/\$4.00	46,576	534	47,110	2,154	7,477	815	686	3,290	14,422	305	-	14,727	32,383	27,202	-	5,181	8,672	119.0%
2010 ³	\$4.00/\$4.00	62,094	578	62,672	3,371	7,686	831	853	3,455	16,196	136	-	16,332	46,340	35,212	(2,644)	8,484	17,156	131.6%
2011 ³	\$4.00/\$4.00	62,925	595	63,520	3,406	7,902	841	870	3,529	16,548	546	-	17,094	46,426	45,242	(2,644)	(1,460)	15,696	102.6%

1) Toll collection commenced July 16, 2007.
2) Toll rates assume \$1.75 ETC/\$3 cash for 2008 and corresponding ETC discount for multi-axle vehicles; ETC participation average of 65%.
3) Traffic and Revenue Scenario A assumes a continuing high ETC rate and a low 2.5% violation rate for years 2009 through 2011. Discounts are retained for ETC usage.
4) The Governor's Supplemental Budget Request of \$29,930,000 for the current biennium, an increase of \$1,712,000 over the Enacted Budget for the same time period. The WSDOT Oversight & Administration of Toll Operations, WSDOT Maintenance of the New Bridge, WSP Enforcement, Insurance, and WSDOT Preservation of New Bridge, Roadway, and Toll Systems are in agreement with the Governor's Supplemental Budget Request. Please refer to footnote 5 for an explanation of the Toll Systems Operations (TransCore Contract) budget.
5) The new TransCore Contract amount includes proposed \$565,666/month in fixed fees, plus \$50,000/year for replacement and installation costs for direct capital toll system equipment and \$435,000/year in expected significant system enhancements (e.g. sales tax requirements). It also provides a 3% annual contingency fund.

ALTERNATIVE A 2/21/2008
Estimated Transactions and Toll Revenue For Eastbound Traffic
Tacoma Narrows Bridge

FY 07/08 (July 16, 2007 to June 30, 2008): PC Cash = \$ 3.00, PC ETC = \$ 1.75, Ave. Weighted CV Cash = \$ 6.93, ETC = \$ 4.44
 FY 08/09 (July 1, 2008 to June 30, 2009): PC Cash = \$ 4.00, PC ETC = \$ 3.00, Ave. Weighted CV Cash & ETC = \$8.27
 FY 09/10 and 10/11 (July 1, 2009 to June 30, 2011): PC Cash = \$ 5.00, PC ETC = \$ 4.00, Ave. Weighted CV Cash & ETC = \$ 10.71

DRAFT

High ETC Scenario Assuming 2.5 Percent Transaction Violation Rate

Estimated Monthly Traffic Volumes (Eastbound Direction)

Month	FY 2007/08						FY 2008/09						FY 2009/10						FY 2010/11					
	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total
July (1) (2)	381,827	246,783	628,610	1,348	40,240	670,198	935,133	338,836	1,273,969	942	33,652	1,308,563	994,597	331,916	1,326,513	969	34,590	1,362,071	1,004,292	325,613	1,329,905	971	34,683	1,365,559
Aug (2)	822,227	442,972	1,265,199	2,251	65,418	1,332,868	938,879	346,052	1,284,931	950	33,933	1,319,815	998,707	339,101	1,337,808	977	34,880	1,373,664	1,018,275	322,772	1,341,047	979	34,973	1,377,000
Sept (2)	773,509	383,259	1,156,768	2,032	63,429	1,222,229	865,742	312,854	1,178,597	872	31,129	1,210,597	920,838	306,312	1,227,150	896	31,997	1,260,042	933,058	297,174	1,230,232	898	32,082	1,263,213
Oct (2)	865,726	336,895	1,202,621	2,383	37,401	1,240,405	887,849	310,127	1,197,976	886	31,650	1,230,512	939,121	308,450	1,247,571	911	32,533	1,281,015	945,824	304,988	1,250,812	913	32,620	1,284,345
Nov (2)	803,517	331,007	1,134,524	2,058	29,094	1,165,676	813,865	310,101	1,123,965	831	29,683	1,154,479	870,770	299,355	1,170,125	854	30,510	1,201,489	886,007	286,995	1,173,002	857	30,592	1,204,451
Dec (2)	806,125	334,675	1,140,800	2,199	25,403	1,168,402	875,596	308,797	1,184,393	876	31,294	1,216,564	931,161	302,220	1,233,381	901	32,167	1,266,449	936,157	300,463	1,236,620	903	32,253	1,269,776
Jan	811,612	331,020	1,142,632	2,327	29,158	1,174,117	833,318	298,534	1,131,852	837	29,905	1,162,594	859,863	289,972	1,149,835	840	29,985	1,180,659	887,933	290,289	1,178,222	860	30,729	1,209,812
Feb	819,706	325,317	1,145,022	1,166	29,158	1,175,347	840,953	292,428	1,133,382	839	29,950	1,164,171	872,310	279,069	1,151,380	841	30,031	1,182,251	899,101	280,740	1,179,841	862	30,776	1,211,478
Mar	907,899	354,503	1,262,402	1,286	32,149	1,295,838	928,342	322,202	1,250,544	925	33,046	1,284,515	968,109	302,186	1,270,295	928	33,134	1,304,357	996,507	305,217	1,301,724	951	33,957	1,336,632
April	872,767	332,253	1,205,020	1,228	30,691	1,236,939	891,150	302,504	1,193,655	883	31,547	1,226,085	923,298	289,398	1,212,695	886	31,632	1,245,213	950,444	292,254	1,242,698	908	32,417	1,276,022
May	908,420	357,747	1,266,167	1,290	32,244	1,299,701	923,537	331,054	1,254,591	928	33,143	1,288,662	956,319	318,074	1,274,393	930	33,232	1,308,555	985,939	319,952	1,305,891	954	34,057	1,340,901
June	925,814	355,244	1,281,058	1,305	32,627	1,314,990	950,475	318,500	1,268,975	939	33,537	1,303,451	982,123	307,124	1,289,247	942	33,627	1,323,815	1,011,101	310,041	1,321,142	965	34,461	1,356,568
Total	9,699,149	4,131,675	13,830,824	20,873	447,013	14,298,709	10,684,841	3,791,990	14,476,831	10,709	382,468	14,870,008	11,217,214	3,673,176	14,890,391	10,873	388,316	15,289,579	11,454,639	3,636,498	15,091,136	11,021	393,599	15,495,756

Estimated Monthly Percent Traffic Distribution (Eastbound Direction)

Month	FY 2007/08						FY 2008/09						FY 2009/10						FY 2010/11					
	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total
July (1) (2)	57.0%	36.8%	93.8%	0.2%	6.0%	100.0%	71.5%	25.9%	97.4%	0.07%	2.6%	100.0%	73.0%	24.4%	97.4%	0.07%	2.5%	100.0%	73.5%	23.8%	97.4%	0.07%	2.5%	100.0%
Aug (2)	61.7%	33.2%	94.9%	0.2%	4.9%	100.0%	71.1%	26.2%	97.4%	0.07%	2.6%	100.0%	72.7%	24.7%	97.4%	0.07%	2.5%	100.0%	73.9%	23.4%	97.4%	0.07%	2.5%	100.0%
Sept (2)	63.3%	31.4%	94.6%	0.2%	5.2%	100.0%	71.5%	25.8%	97.4%	0.07%	2.6%	100.0%	73.1%	24.3%	97.4%	0.07%	2.5%	100.0%	73.9%	23.5%	97.4%	0.07%	2.5%	100.0%
Oct (2)	69.7%	27.1%	96.8%	0.2%	3.0%	100.0%	72.2%	25.2%	97.4%	0.07%	2.6%	100.0%	73.3%	24.1%	97.4%	0.07%	2.5%	100.0%	73.6%	23.8%	97.4%	0.07%	2.5%	100.0%
Nov (2)	68.9%	28.4%	97.3%	0.2%	2.5%	100.0%	70.5%	26.9%	97.4%	0.07%	2.6%	100.0%	72.5%	24.9%	97.4%	0.07%	2.5%	100.0%	73.6%	23.8%	97.4%	0.07%	2.5%	100.0%
Dec (2)	69.0%	28.6%	97.6%	0.2%	2.2%	100.0%	72.0%	25.4%	97.4%	0.07%	2.6%	100.0%	73.5%	23.9%	97.4%	0.07%	2.5%	100.0%	73.7%	23.7%	97.4%	0.07%	2.5%	100.0%
Jan	69.1%	28.2%	97.3%	0.2%	2.5%	100.0%	71.7%	25.7%	97.4%	0.07%	2.6%	100.0%	72.8%	24.6%	97.4%	0.07%	2.5%	100.0%	73.4%	24.0%	97.4%	0.07%	2.5%	100.0%
Feb	69.7%	27.7%	97.4%	0.1%	2.5%	100.0%	72.2%	25.1%	97.4%	0.07%	2.6%	100.0%	73.8%	23.6%	97.4%	0.07%	2.5%	100.0%	74.2%	23.2%	97.4%	0.07%	2.5%	100.0%
Mar	70.1%	27.4%	97.4%	0.1%	2.5%	100.0%	72.3%	25.1%	97.4%	0.07%	2.6%	100.0%	74.2%	23.2%	97.4%	0.07%	2.5%	100.0%	74.6%	22.8%	97.4%	0.07%	2.5%	100.0%
April	70.6%	26.9%	97.4%	0.1%	2.5%	100.0%	72.7%	24.7%	97.4%	0.07%	2.6%	100.0%	74.1%	23.2%	97.4%	0.07%	2.5%	100.0%	74.5%	22.9%	97.4%	0.07%	2.5%	100.0%
May	69.9%	27.5%	97.4%	0.1%	2.5%	100.0%	71.7%	25.7%	97.4%	0.07%	2.6%	100.0%	73.1%	24.3%	97.4%	0.07%	2.5%	100.0%	73.5%	23.9%	97.4%	0.07%	2.5%	100.0%
June	70.4%	27.0%	97.4%	0.1%	2.5%	100.0%	72.9%	24.4%	97.4%	0.07%	2.6%	100.0%	74.2%	23.2%	97.4%	0.07%	2.5%	100.0%	74.5%	22.9%	97.4%	0.07%	2.5%	100.0%
Total	67.8%	28.9%	96.7%	0.1%	3.1%	100.0%	71.9%	25.5%	97.4%	0.07%	2.6%	100.0%	73.4%	24.0%	97.4%	0.07%	2.5%	100.0%	73.9%	23.5%	97.4%	0.07%	2.5%	100.0%

Estimated Average Daily Traffic (ADT) Eastbound

Month	FY 2007/08						FY 2008/09						FY 2009/10						FY 2010/11					
	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total
July (1) (2)	23,864	15,424	39,288	84	2,515	39,288	30,166	10,930	41,096	30	1,086	42,212	32,084	10,707	42,791	31	1,116	43,938	32,397	10,504	42,900	31	1,119	44,050
Aug (2)	26,523	14,289	40,813	73	2,110	40,813	30,286	11,163	41,449	31	1,095	42,575	32,216	10,939	43,155	32	1,125	44,312	32,848	10,412	43,260	32	1,128	44,419
Sept (2)	25,784	12,775	38,559	68	2,114	38,559	28,858	10,428	39,287	29	1,038	40,353	30,695	10,210	40,905	30	1,067	42,001	31,102	9,906	41,008	30	1,069	42,107
Oct (2)	27,927	10,868	38,794	77	1,206	38,794	28,640	10,004	38,644	29	1,021	39,694	30,294	9,950	40,244	29	1,049	41,323	30,510	9,838	40,349	29	1,052	41,430
Nov (2)	26,784	11,034	37,817	69	1,206	37,817	27,129	10,337	37,466	28	989	38,483	29,026	9,979	39,004	28	1,017	40,050	29,534	9,567	39,100	29	1,020	40,148
Dec (2)	26,004	10,796	36,800	71	819	36,800	28,245	9,961	38,206	28	1,009	39,244	30,037	9,749	39,786	27	1,038	40,853	30,199	9,692	39,891	29	1,040	40,961
Jan	26,181	10,678	36,859	941	36,859	36,859	26,881	9,630	36,511	27	965	37,503	27,738	9,354	37,092	29	967	38,086	28,643	9,364	38,007	28	991	39,026
Feb	28,266	11,218	39,484	40	1,005	39,484	30,034	10,444	40,478	30	1,070	41,578	31,154	9,967	41,121	30	1,073	42,223	32,111	10,026	42,137	31	1,099	43,267
Mar	29,287	11,436	40,723	41	1,037	40,723	29,947	10,394	40,340	30	1,066	41,436	31,229	9,748	40,977	30	1,069	42,076	32,145	9,846	41,991	31	1,095	43,117
April	29,092	11,075	40,167	41	1,023	40,167	29,705	10,083	39,788	29	1,052	40,870	30,777	9,647	40,423	30	1,054	41,507	31,681	9,742	41,423	30	1,081	42,534
May	29,304	11,540	40,844	42	1,040	40,844	29,792	10,679	40,471	30	1,069	41,570	30,849	10,260	41,109	30	1,072	42,211	31,804	10,321	42,126	31	1,099	43,255
June	30,860																							

ALTERNATIVE B 2/21/2008
Estimated Transactions and Toll Revenue For Eastbound Traffic
Tacoma Narrows Bridge

FY 07/08 (July 16, 2007 to June 30, 2008): PC Cash = \$ 3.00, PC ETC = \$ 1.75, Ave. Weighted CV Cash = \$ 6.93, ETC = \$ 4.44
 FY 08/09 (July 1, 2008 to June 30, 2009): PC Cash = \$ 4.00, PC ETC = \$ 2.75, Ave. Weighted CV Cash & ETC = \$ 7.89
 FY 09/10 and 10/11 (July 1, 2009 to June 30, 2011): PC Cash = \$ 5.00, PC ETC = \$ 4.00, Ave. Weighted CV Cash & ETC = \$ 10.71

DRAFT

High ETC Scenario Assuming 2.5 Percent Transaction Violation Rate

Estimated Monthly Traffic Volumes (Eastbound Direction)

Month	FY 2007/08						FY 2008/09						FY 2009/10						FY 2010/11					
	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total
July (1) (2)	381,827	246,783	628,610	1,348	40,240	670,198	947,948	332,299	1,280,247	942	33,652	1,314,841	993,851	325,176	1,319,026	969	34,590	1,354,585	999,196	323,276	1,322,472	971	34,683	1,358,126
Aug (2)	822,227	442,972	1,265,199	2,251	65,418	1,332,868	951,753	339,460	1,291,213	950	33,933	1,326,096	998,010	332,304	1,330,314	977	34,880	1,366,170	1,012,941	320,608	1,333,549	979	34,973	1,369,502
Sept (2)	773,509	383,259	1,156,768	2,032	63,429	1,222,229	877,579	306,807	1,184,385	872	31,129	1,216,386	920,170	300,077	1,220,247	896	31,997	1,253,139	928,236	295,125	1,223,362	898	32,082	1,256,342
Oct (2)	865,726	336,895	1,202,621	2,383	37,401	1,242,405	899,949	303,978	1,203,927	886	31,650	1,236,464	938,401	302,110	1,240,512	911	32,533	1,273,955	941,039	302,781	1,243,820	913	32,620	1,277,354
Nov (2)	803,517	331,007	1,134,524	2,058	29,094	1,165,676	825,111	304,335	1,129,445	831	29,683	1,159,959	869,435	294,137	1,163,573	854	30,510	1,194,937	881,561	284,872	1,166,433	857	30,592	1,197,881
Dec (2)	806,125	334,675	1,140,800	2,199	25,403	1,168,402	887,572	302,718	1,190,290	876	31,294	1,222,461	928,729	297,674	1,226,402	901	32,167	1,259,470	931,372	298,298	1,229,671	903	32,253	1,262,827
Jan	811,612	331,020	1,142,632	2,327	29,158	1,174,117	844,748	292,725	1,137,473	837	29,905	1,168,215	857,069	286,323	1,143,392	840	29,985	1,174,216	883,567	288,047	1,171,615	860	30,729	1,203,204
Feb	819,706	325,317	1,145,022	1,166	29,158	1,175,347	852,440	286,611	1,139,051	839	29,950	1,169,840	868,423	276,460	1,144,884	841	30,031	1,175,755	894,275	278,896	1,173,172	862	30,776	1,204,809
Mar	907,899	354,503	1,262,402	1,286	32,149	1,295,838	941,014	315,783	1,256,797	925	33,046	1,290,768	962,757	300,370	1,263,127	928	33,134	1,297,189	990,993	303,356	1,294,349	951	33,957	1,329,256
April	872,767	332,253	1,205,020	1,228	30,691	1,236,939	903,284	296,376	1,199,660	883	31,547	1,232,090	918,213	287,639	1,205,852	886	31,632	1,238,369	945,204	290,452	1,235,656	908	32,417	1,268,981
May	908,420	357,747	1,266,167	1,290	32,244	1,299,701	936,179	324,616	1,260,795	928	33,143	1,294,866	951,677	315,628	1,267,305	930	33,232	1,301,468	981,141	317,446	1,298,586	954	34,057	1,333,596
June	925,814	355,244	1,281,058	1,305	32,627	1,314,990	963,370	311,985	1,275,355	939	33,537	1,309,830	976,782	305,211	1,281,993	942	33,627	1,316,561	1,005,596	308,080	1,313,677	965	34,461	1,349,103
Total	9,699,149	4,131,675	13,830,824	20,873	447,013	14,298,709	10,830,946	3,717,692	14,548,639	10,709	382,468	14,941,816	11,183,517	3,623,110	14,806,627	10,873	388,316	15,205,815	11,395,123	3,611,238	15,006,361	11,021	393,599	15,410,980

Estimated Monthly Percent Traffic Distribution (Eastbound Direction)

Month	FY 2007/08						FY 2008/09						FY 2009/10						FY 2010/11					
	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total
July (1) (2)	57.0%	36.8%	93.8%	0.2%	6.0%	100.0%	72.1%	25.3%	97.4%	0.07%	2.6%	100.0%	73.4%	24.0%	97.4%	0.07%	2.6%	100.0%	73.6%	23.8%	97.4%	0.07%	2.6%	100.0%
Aug (2)	61.7%	33.2%	94.9%	0.2%	4.9%	100.0%	71.8%	25.6%	97.4%	0.07%	2.6%	100.0%	73.1%	24.3%	97.4%	0.07%	2.6%	100.0%	74.0%	23.4%	97.4%	0.07%	2.6%	100.0%
Sept (2)	63.3%	31.4%	94.6%	0.2%	5.2%	100.0%	72.1%	25.2%	97.4%	0.07%	2.6%	100.0%	73.4%	23.9%	97.4%	0.07%	2.6%	100.0%	73.9%	23.5%	97.4%	0.07%	2.6%	100.0%
Oct (2)	69.7%	27.1%	96.8%	0.2%	3.0%	100.0%	72.8%	24.6%	97.4%	0.07%	2.6%	100.0%	73.7%	23.7%	97.4%	0.07%	2.6%	100.0%	73.7%	23.7%	97.4%	0.07%	2.6%	100.0%
Nov (2)	68.9%	28.4%	97.3%	0.2%	2.5%	100.0%	71.1%	26.2%	97.4%	0.07%	2.6%	100.0%	72.8%	24.6%	97.4%	0.07%	2.6%	100.0%	73.6%	23.8%	97.4%	0.07%	2.6%	100.0%
Dec (2)	69.0%	28.6%	97.6%	0.2%	2.2%	100.0%	72.6%	24.8%	97.4%	0.07%	2.6%	100.0%	73.7%	23.6%	97.4%	0.07%	2.6%	100.0%	73.8%	23.6%	97.4%	0.07%	2.6%	100.0%
Jan	69.1%	28.2%	97.3%	0.2%	2.5%	100.0%	72.3%	25.1%	97.4%	0.07%	2.6%	100.0%	73.0%	24.4%	97.4%	0.07%	2.6%	100.0%	73.4%	23.9%	97.4%	0.07%	2.6%	100.0%
Feb	69.7%	27.7%	97.4%	0.1%	2.5%	100.0%	72.9%	24.5%	97.4%	0.07%	2.6%	100.0%	73.9%	23.5%	97.4%	0.07%	2.6%	100.0%	74.2%	23.1%	97.4%	0.07%	2.6%	100.0%
Mar	70.1%	27.4%	97.4%	0.1%	2.5%	100.0%	72.9%	24.5%	97.4%	0.07%	2.6%	100.0%	74.2%	23.2%	97.4%	0.07%	2.6%	100.0%	74.6%	22.8%	97.4%	0.07%	2.6%	100.0%
April	70.6%	26.9%	97.4%	0.1%	2.5%	100.0%	73.3%	24.1%	97.4%	0.07%	2.6%	100.0%	74.1%	23.2%	97.4%	0.07%	2.6%	100.0%	74.5%	22.9%	97.4%	0.07%	2.6%	100.0%
May	69.9%	27.5%	97.4%	0.1%	2.5%	100.0%	72.3%	25.1%	97.4%	0.07%	2.6%	100.0%	73.1%	24.3%	97.4%	0.07%	2.6%	100.0%	73.6%	23.8%	97.4%	0.07%	2.6%	100.0%
June	70.4%	27.0%	97.4%	0.1%	2.5%	100.0%	73.5%	23.8%	97.4%	0.07%	2.6%	100.0%	74.2%	23.2%	97.4%	0.07%	2.6%	100.0%	74.5%	22.8%	97.4%	0.07%	2.6%	100.0%
Total	67.8%	28.9%	96.7%	0.1%	3.1%	100.0%	72.5%	24.9%	97.4%	0.07%	2.6%	100.0%	73.5%	23.8%	97.4%	0.07%	2.6%	100.0%	73.9%	23.4%	97.4%	0.07%	2.6%	100.0%

Estimated Average Daily Traffic (ADT) Eastbound

Month	FY 2007/08						FY 2008/09						FY 2009/10						FY 2010/11					
	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total
July (1) (2)	23,864	15,424	39,288	84	2,515	39,288	30,579	10,719	41,298	30	1,086	42,414	32,060	10,490	42,549	31	1,116	43,696	32,232	10,428	42,660	31	1,119	43,811
Aug (2)	26,523	14,289	40,813	73	2,110	40,813	30,702	10,950	41,652	31	1,095	42,777	32,194	10,719	42,913	32	1,125	44,070	32,676	10,342	43,018	32	1,128	44,177
Sept (2)	25,784	12,775	38,559	68	2,114	38,559	29,253	10,227	39,480	29	1,038	40,546	30,672	10,003	40,675	30	1,067	41,771	30,941	9,838	40,779	30	1,069	41,878
Oct (2)	27,927	10,868	38,794	77	1,206	38,794	29,031	9,806	38,836	29	1,021	39,886	30,271	9,745	40,017	29	1,049	41,095	30,356	9,767	40,123	29	1,052	41,205
Nov (2)	26,784	11,034	37,817	69	1,206	37,817	27,504	10,144	37,648	28	989	38,665	28,981	9,805	38,786	28	1,017	39,831	29,385	9,496	38,881	29	1,020	39,929
Dec (2)	26,004	10,796	36,800	71	819	36,800	28,631	9,765	38,396	28	1,009	39,434	29,959	9,602	39,561	29	1,038	40,628	30,044	9,623	39,667	29	1,040	40,736
Jan	26,181	10,678	36,859	75	941	36,859	27,250	9,443	36,693	27	965	37,684	27,647	9,236	36,884	27	967	37,878	28,502	9,292	37,794	28	991	38,813
Feb	28,266	11,218	39,484	40	1,005	39,484	30,444	10,236	40,680	30	1,070	41,780	31,015	9,874	40,889	30	1,073	41,991	31,938	9,961	41,899	31	1,099	43,029
Mar	29,287	11,436	40,723	41	1,037	40,723	30,355	10,187	40,542	30	1,066	41,638	31,057	9,689	40,746	30	1,069	41,845	31,968	9,786	41,753	31	1,095	42,879
April	29,092	11,075	40,167	41	1,023	40,167	30,109	9,879	39,989	29	1,052	41,070	30,607	9,588	40,195	30	1,054	41,279	31,507	9,682	41,189	30	1,081	42,299
May	29,304	11,540	40,844	42	1,040	40,844	30,199	10,471	40,671	30	1,069	41,770	30,699	10,182	40,881	30	1,072	41,983	31,650	10,240	41,890	31	1,099	43,019
June	30,860	11,84																						

ALTERNATIVE C 2/25/2008
Estimated Transactions and Toll Revenue For Eastbound Traffic
Tacoma Narrows Bridge

FY 07/08 (July 16, 2007 to June 30, 2008): PC Cash = \$ 3.00, PC ETC = \$ 1.75, Ave. Weighted CV Cash = \$ 6.93, ETC = \$ 4.44
 FY 08/09 (July 1, 2008 to June 30, 2009): PC Cash = \$ 4.00, PC ETC = \$ 2.75, Ave. Weighted CV Cash & ETC = \$ 7.89
 FY 09/10 and 10/11 (July 1, 2009 to June 30, 2011): PC Cash = \$ 4.00, PC ETC = \$ 4.00, Ave. Weighted CV Cash & ETC = \$ 9.77

DRAFT

High ETC Scenario Assuming 2.5 Percent Transaction Violation Rate

Estimated Monthly Traffic Volumes (Eastbound Direction)

Month	FY 2007/08						FY 2008/09						FY 2009/10						FY 2010/11					
	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total
July (1) (2)	381,827	246,783	628,610	1,348	40,240	670,198	947,948	332,299	1,280,247	942	33,652	1,314,841	993,199	333,388	1,326,587	969	34,590	1,362,146	998,573	331,427	1,329,999	971	34,683	1,365,653
Aug (2)	822,227	442,972	1,265,199	2,251	65,418	1,332,868	951,753	339,460	1,291,213	950	33,933	1,326,096	997,309	340,704	1,338,013	977	34,880	1,373,869	1,012,205	328,773	1,340,978	979	34,973	1,376,931
Sept (2)	773,509	383,259	1,156,768	2,032	63,429	1,222,229	877,579	306,807	1,184,385	872	31,129	1,216,386	919,488	307,706	1,227,193	896	31,997	1,260,086	927,553	302,648	1,230,201	898	32,082	1,263,182
Oct (2)	865,726	336,895	1,202,621	2,383	37,401	1,242,405	899,949	303,978	1,203,927	886	31,650	1,236,464	937,753	309,776	1,247,529	911	32,533	1,280,972	940,418	310,448	1,250,866	913	32,620	1,284,400
Nov (2)	803,517	331,007	1,134,524	2,058	29,094	1,165,676	825,111	304,335	1,129,445	831	29,683	1,159,959	868,923	301,521	1,170,443	854	30,510	1,201,808	881,020	292,067	1,173,087	857	30,592	1,204,535
Dec (2)	806,125	334,675	1,140,800	2,199	25,403	1,168,402	887,572	302,718	1,190,290	876	31,294	1,222,461	928,158	305,195	1,233,354	901	32,167	1,266,422	930,827	305,822	1,236,649	903	32,253	1,269,805
Jan	811,612	331,020	1,142,632	2,327	29,158	1,174,117	844,748	292,725	1,137,473	837	29,905	1,168,215	856,616	293,479	1,150,096	840	29,985	1,180,920	883,103	295,261	1,178,364	860	30,729	1,209,954
Feb	819,706	325,317	1,145,022	1,166	29,158	1,175,347	852,440	286,611	1,139,051	839	29,950	1,169,840	867,921	283,422	1,151,344	841	30,031	1,182,215	893,760	285,934	1,179,694	862	30,776	1,211,332
Mar	907,899	354,503	1,262,402	1,286	32,149	1,295,838	941,014	315,783	1,256,797	925	33,046	1,290,768	962,162	307,971	1,270,133	928	33,134	1,304,195	990,383	311,048	1,301,432	951	33,957	1,336,339
April	872,767	332,253	1,205,020	1,228	30,691	1,236,939	903,284	296,376	1,199,660	883	31,547	1,232,090	917,760	294,788	1,212,548	886	31,632	1,245,066	944,740	297,685	1,242,424	908	32,417	1,275,749
May	908,420	357,747	1,266,167	1,290	32,244	1,299,701	935,916	324,882	1,260,798	928	33,143	1,294,869	951,091	323,571	1,274,662	930	33,232	1,308,824	980,540	325,451	1,305,992	954	34,057	1,341,002
June	925,814	355,244	1,281,058	1,305	32,627	1,314,990	962,782	312,579	1,275,362	939	33,537	1,309,837	976,128	312,966	1,289,093	942	33,627	1,323,661	1,005,060	315,790	1,320,850	965	34,461	1,356,276
Total	9,699,149	4,131,675	13,830,824	20,873	447,013	14,298,709	10,830,096	3,718,553	14,548,649	10,709	382,468	14,941,827	11,176,508	3,714,487	14,890,995	10,873	388,316	15,290,184	11,388,182	3,702,354	15,090,537	11,021	393,599	15,495,156

Estimated Monthly Percent Traffic Distribution (Eastbound Direction)

Month	FY 2007/08						FY 2008/09						FY 2009/10						FY 2010/11					
	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total
July (1) (2)	57.0%	36.8%	93.8%	0.2%	6.0%	100.0%	72.1%	25.3%	97.4%	0.07%	2.6%	100.0%	72.9%	24.5%	97.4%	0.07%	2.5%	100.0%	73.1%	24.3%	97.4%	0.07%	2.5%	100.0%
Aug (2)	61.7%	33.2%	94.9%	0.2%	4.9%	100.0%	71.8%	25.6%	97.4%	0.07%	2.6%	100.0%	72.6%	24.8%	97.4%	0.07%	2.5%	100.0%	73.5%	23.9%	97.4%	0.07%	2.5%	100.0%
Sept (2)	63.3%	31.4%	94.6%	0.2%	5.2%	100.0%	72.1%	25.2%	97.4%	0.07%	2.6%	100.0%	73.0%	24.4%	97.4%	0.07%	2.5%	100.0%	73.4%	24.0%	97.4%	0.07%	2.5%	100.0%
Oct (2)	69.7%	27.1%	96.8%	0.2%	3.0%	100.0%	72.8%	24.6%	97.4%	0.07%	2.6%	100.0%	73.2%	24.2%	97.4%	0.07%	2.5%	100.0%	73.2%	24.2%	97.4%	0.07%	2.5%	100.0%
Nov (2)	68.9%	28.4%	97.3%	0.2%	2.5%	100.0%	71.1%	26.2%	97.4%	0.07%	2.6%	100.0%	72.3%	25.1%	97.4%	0.07%	2.5%	100.0%	73.1%	24.2%	97.4%	0.07%	2.5%	100.0%
Dec (2)	69.0%	28.6%	97.6%	0.2%	2.2%	100.0%	72.6%	24.8%	97.4%	0.07%	2.6%	100.0%	73.3%	24.1%	97.4%	0.07%	2.5%	100.0%	73.3%	24.1%	97.4%	0.07%	2.5%	100.0%
Jan	69.1%	28.2%	97.3%	0.2%	2.5%	100.0%	72.3%	25.1%	97.4%	0.07%	2.6%	100.0%	72.5%	24.9%	97.4%	0.07%	2.5%	100.0%	73.0%	24.4%	97.4%	0.07%	2.5%	100.0%
Feb	69.7%	27.7%	97.4%	0.1%	2.5%	100.0%	72.9%	24.5%	97.4%	0.07%	2.6%	100.0%	73.4%	24.0%	97.4%	0.07%	2.5%	100.0%	73.8%	23.6%	97.4%	0.07%	2.5%	100.0%
Mar	70.1%	27.4%	97.4%	0.1%	2.5%	100.0%	72.9%	24.5%	97.4%	0.07%	2.6%	100.0%	73.8%	23.6%	97.4%	0.07%	2.5%	100.0%	74.1%	23.3%	97.4%	0.07%	2.5%	100.0%
April	70.6%	26.9%	97.4%	0.1%	2.5%	100.0%	73.3%	24.1%	97.4%	0.07%	2.6%	100.0%	73.7%	23.7%	97.4%	0.07%	2.5%	100.0%	74.1%	23.3%	97.4%	0.07%	2.5%	100.0%
May	69.9%	27.5%	97.4%	0.1%	2.5%	100.0%	72.3%	25.1%	97.4%	0.07%	2.6%	100.0%	72.7%	24.7%	97.4%	0.07%	2.5%	100.0%	73.1%	24.3%	97.4%	0.07%	2.5%	100.0%
June	70.4%	27.0%	97.4%	0.1%	2.5%	100.0%	73.5%	23.9%	97.4%	0.07%	2.6%	100.0%	73.7%	23.6%	97.4%	0.07%	2.5%	100.0%	74.1%	23.3%	97.4%	0.07%	2.5%	100.0%
Total	67.8%	28.9%	96.7%	0.1%	3.1%	100.0%	72.5%	24.9%	97.4%	0.07%	2.6%	100.0%	73.1%	24.3%	97.4%	0.07%	2.5%	100.0%	73.5%	23.9%	97.4%	0.07%	2.5%	100.0%

Estimated Average Daily Traffic (ADT) Eastbound

Month	FY 2007/08						FY 2008/09						FY 2009/10						FY 2010/11					
	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total	ETC	Cash	Subtotal	Non-Rev & AuthRT	Violations (4)	Total
July (1) (2)	23,864	15,424	39,288	84	2,515	39,288	30,579	10,719	41,298	30	1,086	42,414	32,039	10,754	42,793	31	1,116	43,940	32,212	10,691	42,903	31	1,119	44,053
Aug (2)	26,523	14,289	40,813	73	2,110	40,813	30,702	10,950	41,652	31	1,095	42,777	32,171	10,990	43,162	32	1,125	44,318	32,652	10,606	43,257	32	1,128	44,417
Sept (2)	25,784	12,775	38,559	68	2,114	38,559	29,253	10,227	39,480	29	1,038	40,546	30,650	10,257	40,906	30	1,067	42,003	30,918	10,088	41,007	30	1,069	42,106
Oct (2)	27,927	10,868	38,794	77	1,206	38,794	29,031	9,806	38,836	29	1,021	39,886	30,250	9,993	40,243	29	1,049	41,322	30,336	10,014	40,351	29	1,052	41,432
Nov (2)	26,784	11,034	37,817	69	1,206	37,817	27,504	10,144	37,648	28	989	38,665	28,964	10,051	39,015	28	1,017	40,060	29,367	9,736	39,103	29	1,020	40,151
Dec (2)	26,004	10,796	36,800	71	819	36,800	28,631	9,765	38,396	28	1,009	39,434	29,941	9,845	39,786	29	1,038	40,852	30,027	9,865	39,892	29	1,040	40,961
Jan	26,181	10,678	36,859	75	941	36,859	27,250	9,443	36,693	27	965	37,684	27,633	9,467	37,100	27	967	38,094	28,487	9,525	38,012	28	991	39,031
Feb	28,266	11,218	39,484	40	1,005	39,484	30,444	10,236	40,680	30	1,070	41,780	30,997	10,122	41,119	30	1,073	42,222	31,920	10,212	42,132	31	1,099	43,262
Mar	29,287	11,436	40,723	41	1,037	40,723	30,355	10,187	40,542	30	1,066	41,638	31,037	9,935	40,972	30	1,069	42,071	31,948	10,034	41,982	31	1,095	43,108
April	29,092	11,075	40,167	41	1,023	40,167	30,109	9,879	39,989	29	1,052	41,070	30,592	9,826	40,418	30	1,054	41,502	31,491	9,923	41,414	30	1,081	42,525
May	29,304	11,540	40,844	42	1,040	40,844	30,191	10,480	40,671	30	1,069	41,770	30,680	10,438	41,118	30	1,072	42,220	31,630	10,498	42,129	31	1,099	43,258
June	30,860																							