川崎港 東扇島～水江町地区臨港道路整備事業(全体事業)

費用便益分析シート(割引前)

(億円)

年度	施設供用期間	割引前 建設費	管理運営費・再投資費	総費用(C)	輸送費用便益	輸送時間費用便益	事故損失額削減便益	残存価値	総便益(B)	純便益(B-C)
2003										
2004										
2005										
2006										
2007										
2008										
2009		2.6		2.6						-2.6
2010		27.5		27.5						-27.5
2011		12.0		12.0						-12.0
2012		1.7		1.7						-1.7
2013		8.0		8.0						-8.0
2014		76.7		76.7						-76.7
2015		90.3		90.3						-90.3
2016		123.1		123.1						-123.1
2017		48.1		48.1						-48.1
2018		54.6		54.6						-54.6
2019		69.8		69.8						-69.8
2020		116.4		116.4						-116.4
2021		174.7		174.7						-174.7
2022		168.6		168.6						-168.6
2023		201.0		201.0						-201.0
2024		100.0		100.0						-100.0
2025		138.4		138.4						-138.4
2026		162.8		162.8						-162.8
2027		306.1		306.1						-306.1
2028	1	7.3	1.4	8.7	10.1	101.7	0.7		112.5	103.8
2029	2	7.3	1.4	8.7	10.1	102.0	0.7		112.8	104.1
2030	3	8.2	1.4	9.6	10.2	102.2	0.7		113.1	103.5
2031	4		1.4	1.4	12.6	121.1	0.9		134.6	133.2
2032	5		1.4	1.4	12.6	121.0	0.9		134.4	133.1
2033	6		1.4	1.4	12.6	120.9	0.9		134.3	132.9
2034	7		1.4	1.4	12.6	120.7	0.9		134.2	132.8
2035	8		1.4	1.4	12.6	120.6	0.9		134.1	132.7
2036	9		1.4	1.4	12.6	120.5	0.9		133.9	132.6
2037	10		1.4	1.4	12.6	120.4	0.9		133.8	132.4
2038	11		1.4	1.4	12.6	120.2	0.9		133.7	132.3
2039	12		1.4	1.4	12.6	120.1	0.9		133.6	132.2
2040	13		1.4	1.4	12.6	120.0	0.9		133.5	132.1
2041	14		1.4	1.4	12.5	119.2	0.9		132.6	131.2
2042	15		1.4	1.4	12.4	118.5	0.9		131.8	130.4
2043	16		1.4	1.4	12.4	117.7	0.9		130.9	129.5
2044	17		1.4	1.4	12.3	116.9	0.9		130.1	128.7
2045	18		1.4	1.4	12.2	116.2	0.9		129.2	127.9
2046	19		1.4	1.4	12.2	115.4	0.8		128.4	127.0
2047	20		1.4	1.4	12.1	114.6	0.8		127.6	126.2
2048	21		1.4	1.4	12.0	113.9	0.8		126.7	125.3
2049	22		1.4	1.4	11.9	113.1	0.8		125.9	124.5
2050	23		1.4	1.4	11.9	112.3	0.8		125.0	123.7
2051	24		1.4	1.4	11.8	111.6	0.8		124.2	122.8
2052	25		1.4	1.4	11.7	110.8	0.8		123.4	122.0
2053	26		1.4	1.4	11.7	110.1	0.8		122.5	121.1
2054	27		1.4	1.4	11.6	109.3	0.8		121.7	120.3
2055	28		1.4	1.4	11.5	108.5	0.8		120.8	119.4
2056	29		1.4	1.4	11.5	107.8	0.8		120.0	118.6
2057	30		1.4	1.4	11.4	107.0	0.8		119.2	117.8
2058	31		1.4	1.4	11.3	106.2	0.8		118.3	116.9
2059	32		1.4	1.4	11.3	105.5	0.8		117.5	116.1
2060	33		1.4	1.4	11.2	104.7	0.7		116.6	115.2
2061	34		1.4	1.4	11.1	103.9	0.7		115.8	114.4
2062	35		1.4	1.4	11.0	103.2	0.7		115.0	113.6
2063	36		1.4	1.4	11.0	102.4	0.7		114.1	112.7
2064	37		1.4	1.4	10.9	101.6	0.7		113.3	111.9
2065	38		1.4	1.4	10.8	100.9	0.7		112.4	111.0
2066	39		1.4	1.4	10.8	100.1	0.7		111.6	110.2
2067	40		1.4	1.4	10.7	99.4	0.7		110.7	109.4
2068	41		1.4	1.4	10.6	98.6	0.7		109.9	108.5
2069	42		1.4	1.4	10.6	97.8	0.7		109.1	107.7
2070	43		1.4	1.4	10.5	97.1	0.7		108.2	106.8
2071	44		1.4	1.4	10.4	96.3	0.7		107.4	106.0
2072	45		1.4	1.4	10.3	95.5	0.7		106.5	105.1
2073	46		1.4	1.4	10.3	94.8	0.7		105.7	104.3
2074	47		1.4	1.4	10.2	94.0	0.6		104.9	103.5
2075	48		1.4	1.4	10.1	93.2	0.6		104.0	102.6
2076	49		1.4	1.4	10.1	92.5	0.6		103.2	101.8
2077	50		1.4	1.4	10.0	91.7	0.6	21.1	123.4	122.0
合　計		1,905.2	69.5	1,974.7	572.3	5,413.8	38.8	21.1	6,046.0	4,071.3

費用便益分析シート(割引後)

EIRR=	4.5%	NPV=	238 億円
B/C=	1.1		

(億円)

年度	施設供用期間	社会的割引率	割戻率	割引後 建設費	管理運営費・再投資費	総費用(C)	輸送費用便益	輸送時間費用便益	事故損失額削減便益	残存価値	総便益(B)	純便益(B-C)
2003												
2004		0.04	2.19									
2005		0.04	2.11									
2006		0.04	2.03									
2007		0.04	1.95									
2008		0.04	1.87									
2009		0.04	1.80	4.7		4.7						-4.7
2010		0.04	1.73	47.7		47.7						-47.7
2011		0.04	1.67	19.9		19.9						-19.9
2012		0.04	1.60	2.7		2.7						-2.7
2013		0.04	1.54	12.3		12.3						-12.3
2014		0.04	1.48	113.6		113.6						-113.6
2015		0.04	1.42	128.5		128.5						-128.5
2016		0.04	1.37	168.5		168.5						-168.5
2017		0.04	1.32	63.3		63.3						-63.3
2018		0.04	1.27	69.1		69.1						-69.1
2019		0.04	1.22	84.9		84.9						-84.9
2020		0.04	1.17	136.2		136.2						-136.2
2021		0.04	1.12	196.5		196.5						-196.5
2022		0.04	1.08	182.4		182.4						-182.4
2023		0.04	1.04	209.0		209.0						-209.0
2024		0.04	1.00	100.0		100.0						-100.0
2025		0.04	0.96	133.1		133.1						-133.1
2026		0.04	0.92	150.5		150.5						-150.5
2027		0.04	0.89	272.1		272.1						-272.1
2028	1	0.04	0.85	6.2	1.2	7.4	8.6	86.9	0.6		96.1	88.7
2029	2	0.04	0.82	6.0	1.1	7.1	8.3	83.8	0.5		92.7	85.6
2030	3	0.04	0.79	6.5	1.1	7.6	8.0	80.8	0.5		89.4	81.8
2031	4	0.04	0.76		1.1	1.1	9.5	92.0	0.7		102.3	101.2
2032	5	0.04	0.73		1.0	1.0	9.2	88.4	0.7		98.2	97.2
2033	6	0.04	0.70		1.0	1.0	8.8	84.9	0.6		94.4	93.4
2034	7	0.04	0.68		0.9	0.9	8.5	81.6	0.6		90.7	89.7
2035	8	0.04	0.65		0.9	0.9	8.2	78.3	0.6		87.1	86.2
2036	9	0.04	0.62		0.9	0.9	7.8	75.3	0.6		83.7	82.8
2037	10	0.04	0.60		0.8	0.8	7.5	72.3	0.5		80.4	79.5
2038	11	0.04	0.58		0.8	0.8	7.3	69.4	0.5		77.2	76.4
2039	12	0.04	0.56		0.8	0.8	7.0	66.7	0.5		74.2	73.4
2040	13	0.04	0.53		0.7	0.7	6.7	64.1	0.5		71.3	70.5
2041	14	0.04	0.51		0.7	0.7	6.4	61.2	0.5		68.1	67.4
2042	15	0.04	0.49		0.7	0.7	6.1	58.5	0.4		65.0	64.4
2043	16	0.04	0.47		0.7	0.7	5.9	55.9	0.4		62.1	61.5
2044	17	0.04	0.46		0.6	0.6	5.6	53.4	0.4		59.4	58.7
2045	18	0.04	0.44		0.6	0.6	5.4	51.0	0.4		56.7	56.1
2046	19	0.04	0.42		0.6	0.6	5.1	48.7	0.4		54.2	53.6
2047	20	0.04	0.41		0.6	0.6	4.9	46.5	0.3		51.8	51.2
2048	21	0.04	0.39		0.5	0.5	4.7	44.4	0.3		49.4	48.9
2049	22	0.04	0.38		0.5	0.5	4.5	42.4	0.3		47.2	46.7
2050	23	0.04	0.36		0.5	0.5	4.3	40.5	0.3		45.1	44.6
2051	24	0.04	0.35		0.5	0.5	4.1	38.7	0.3		43.1	42.6
2052	25	0.04	0.33		0.5	0.5	3.9	37.0	0.3		41.1	40.7
2053	26	0.04	0.32		0.4	0.4	3.7	35.3	0.3		39.3	38.8
2054	27	0.04	0.31		0.4	0.4	3.6	33.7	0.2		37.5	37.1
2055	28	0.04	0.30		0.4	0.4	3.4	32.2	0.2		35.8	35.4
2056	29	0.04	0.29		0.4	0.4	3.3	30.7	0.2		34.2	33.8
2057	30	0.04	0.27		0.4	0.4	3.1	29.3	0.2		32.7	32.3
2058	31	0.04	0.26		0.4	0.4	3.0	28.0	0.2		31.2	30.8
2059	32	0.04	0.25		0.4	0.4	2.9	26.7	0.2		29.8	29.4
2060	33	0.04	0.24		0.3	0.3	2.7	25.5	0.2		28.4	28.1
2061	34	0.04	0.23		0.3	0.3	2.6	24.4	0.2		27.1	26.8
2062	35	0.04	0.23		0.3	0.3	2.5	23.2	0.2		25.9	25.6
2063	36	0.04	0.22		0.3	0.3	2.4	22.2	0.2		24.7	24.4
2064	37	0.04	0.21		0.3	0.3	2.3	21.2	0.1		23.6	23.3
2065	38	0.04	0.20		0.3	0.3	2.2	20.2	0.1		22.5	22.2
2066	39	0.04	0.19		0.3	0.3	2.1	19.3	0.1		21.5	21.2
2067	40	0.04	0.19		0.3	0.3	2.0	18.4	0.1		20.5	20.2
2068	41	0.04	0.18		0.2	0.2	1.9	17.6	0.1		19.6	19.3
2069	42	0.04	0.17		0.2	0.2	1.8	16.7	0.1		18.7	18.4
2070	43	0.04	0.16		0.2	0.2	1.7	16.0	0.1		17.8	17.6
2071	44	0.04	0.16		0.2	0.2	1.6	15.2	0.1		17.0	16.8
2072	45	0.04	0.15		0.2	0.2	1.6	14.5	0.1		16.2	16.0
2073	46	0.04	0.15		0.2	0.2	1.5	13.9	0.1		15.5	15.3
2074	47	0.04	0.14		0.2	0.2	1.4	13.2	0.1		14.8	14.6
2075	48	0.04	0.14		0.2	0.2	1.4	12.6	0.1		14.1	13.9
2076	49	0.04	0.13		0.2	0.2	1.3	12.0	0.1		13.4	13.2
2077	50	0.04	0.13		0.2	0.2	1.3	11.5	0.1	2.6	15.4	15.3
合　計				2,113.8	26.5	2,140.3	223.6	2,136.3	15.4	2.6	2,377.9	237.6