

国際海上コンテナターミナル整備事業（博多港　ⅠC地区）

費用便益分析シート(割引前)

(億円)															
年度	施設供用期間	建設費・再投資費	管理運営費	総費用(C)	ダイレクト輸送化	横持ち輸送の削減	代替港への輸送回避	割 引 前				残存価値	緊急物資輸送コスト削減便益	総便益(B)	純便益(B-C)
								滞船コスト削減	走行時間短縮便益	走行経費減少便益	交通事故減少便益				
2006		59.5		59.5											-59.5
2007		60.0		60.0											-60.0
2008		28.5	0.4	28.9		4.2								4.2	-24.7
2009		44.5	0.4	44.9		4.8								4.8	-40.1
2010		17.7	0.4	18.2	13.5	11.3								24.8	6.7
2011		3.7	0.4	4.1	22.0	11.2								33.2	29.1
2012		12.3	0.4	12.7	14.9	11.7								26.6	13.9
2013		14.9	0.4	15.3	15.0	10.5								25.5	10.2
2014		23.8	0.4	24.2	6.0	7.4								13.4	-10.8
2015		42.8	0.4	43.2		9.7								9.7	-33.5
2016		72.0	0.4	72.4		7.5	39.1							46.6	-25.8
2017		82.7	0.4	83.1		11.5	44.9							56.4	-26.7
2018		120.1	0.4	120.4		10.5	50.7							61.2	-59.2
2019		113.5	0.3	113.9		10.0	56.4							66.4	-47.5
2020		150.0	0.3	150.3		11.5	51.6							63.1	-87.2
2021	1	33.5	1.0	34.6		11.5	46.8	10.3	28.1	3.7	1.6	6.8	108.8	74.3	74.3
2022	2	19.8	1.0	20.9		11.5	65.3	10.3	28.0	3.7	1.6	8.4	128.9	108.0	108.0
2023	3	14.5	1.0	15.5		11.5	83.9	10.3	27.9	3.7	1.6	9.9	148.9	133.4	133.4
2024	4	16.3	1.0	17.3		11.5	83.9	10.3	27.8	3.7	1.6	9.8	148.7	131.4	131.4
2025	5	19.6	1.0	20.6		11.5	83.9	10.3	27.7	3.7	1.6	9.7	148.4	127.8	127.8
2026	6	19.6	1.4	21.0	13.7	11.5	83.9	10.3	27.6	3.6	1.6	9.5	161.8	140.8	140.8
2027	7		1.4	1.4	13.7	11.5	83.9	10.3	27.5	3.6	1.6	9.4	161.6	160.2	160.2
2028	8		1.4	1.4	13.7	11.5	83.9	10.3	27.4	3.6	1.6	9.3	161.4	159.9	159.9
2029	9		1.4	1.4	13.7	11.5	83.9	10.3	27.3	3.6	1.6	9.2	161.1	159.7	159.7
2030	10		1.4	1.4	13.7	11.5	83.9	10.3	27.2	3.6	1.6	9.0	160.9	159.5	159.5
2031	11		1.4	1.4	13.7	11.5	83.9	10.3	27.0	3.6	1.6	8.9	160.5	159.1	159.1
2032	12		1.4	1.4	13.7	11.5	83.9	10.3	26.8	3.5	1.5	8.8	160.1	158.7	158.7
2033	13		1.4	1.4	13.7	11.5	83.9	10.3	26.6	3.5	1.5	8.7	159.8	158.4	158.4
2034	14		1.4	1.4	13.7	11.5	83.9	10.3	26.4	3.5	1.5	8.6	159.4	158.0	158.0
2035	15		1.4	1.4	13.7	11.5	83.9	10.3	26.2	3.5	1.5	8.5	159.1	157.7	157.7
2036	16		1.4	1.4	13.7	11.5	83.9	10.3	26.0	3.4	1.5	8.3	158.7	157.3	157.3
2037	17		1.4	1.4	13.7	11.5	83.9	10.3	25.8	3.4	1.5	8.2	158.4	156.9	156.9
2038	18	13.0	1.4	14.4	13.7	11.5	83.9	10.3	25.6	3.4	1.5	8.1	158.0	143.6	143.6
2039	19		1.4	1.4	13.7	11.5	83.9	10.3	25.4	3.4	1.5	8.0	157.7	156.3	156.3
2040	20		1.4	1.4	13.7	11.5	83.9	10.3	25.2	3.3	1.4	7.9	157.3	155.9	155.9
2041	21		1.4	1.4	13.7	11.5	83.9	10.3	25.0	3.3	1.4	7.8	157.0	155.6	155.6
2042	22		1.4	1.4	13.7	11.5	83.9	10.3	24.8	3.3	1.4	7.7	156.6	155.2	155.2
2043	23	19.6	1.4	21.0	13.7	11.5	83.9	10.3	24.6	3.3	1.4	7.6	156.3	135.3	135.3
2044	24		1.4	1.4	13.7	11.5	83.9	10.3	24.4	3.2	1.4	7.5	156.0	154.5	154.5
2045	25		1.4	1.4	13.7	11.5	83.9	10.3	24.2	3.2	1.4	7.4	155.6	154.2	154.2
2046	26		1.4	1.4	13.7	11.5	83.9	10.3	24.0	3.2	1.4	7.3	155.3	153.8	153.8
2047	27		1.4	1.4	13.7	11.5	83.9	10.3	23.8	3.1	1.4	7.2	154.9	153.5	153.5
2048	28		1.4	1.4	13.7	11.5	83.9	10.3	23.6	3.1	1.3	7.1	154.6	153.2	153.2
2049	29		1.4	1.4	13.7	11.5	83.9	10.3	23.4	3.1	1.3	7.0	154.3	152.8	152.8
2050	30		1.4	1.4	13.7	11.5	83.9	10.3	23.2	3.1	1.3	6.9	153.9	152.5	152.5
2051	31		1.4	1.4	13.7	11.5	83.9	10.3	23.0	3.0	1.3	6.8	153.6	152.2	152.2
2052	32		1.4	1.4	13.7	11.5	83.9	10.3	22.8	3.0	1.3	6.7	153.3	151.8	151.8
2053	33		1.4	1.4	13.7	11.5	83.9	10.3	22.6	3.0	1.3	6.6	152.9	151.5	151.5
2054	34		1.4	1.4	13.7	11.5	83.9	10.3	22.4	3.0	1.3	6.6	152.6	151.2	151.2
2055	35	13.0	1.4	14.4	13.7	11.5	83.9	10.3	22.2	2.9	1.3	6.5	152.3	137.9	137.9
2056	36		1.4	1.4	13.7	11.5	83.9	10.3	22.0	2.9	1.3	6.4	152.0	150.5	150.5
2057	37	62.0	1.4	63.4	13.7	11.5	83.9	10.3	21.8	2.9	1.2	6.3	151.6	88.2	88.2
2058	38		1.4	1.4	13.7	11.5	83.9	10.3	21.6	2.9	1.2	6.2	151.3	149.9	149.9
2059	39		1.4	1.4	13.7	11.5	83.9	10.3	21.4	2.8	1.2	6.1	151.0	149.5	149.5
2060	40	19.6	1.4	21.0	13.7	11.5	83.9	10.3	21.2	2.8	1.2	6.0	150.7	129.6	129.6
2061	41		1.4	1.4	13.7	11.5	83.9	10.3	21.0	2.8	1.2	6.0	150.3	148.9	148.9
2062	42		1.4	1.4	13.7	11.5	83.9	10.3	20.8	2.7	1.2	5.9	150.0	148.6	148.6
2063	43		1.4	1.4	13.7	11.5	83.9	10.3	20.6	2.7	1.2	5.8	149.7	148.3	148.3
2064	44		1.4	1.4	13.7	11.5	83.9	10.3	20.4	2.7	1.2	5.7	149.4	147.9	147.9
2065	45		1.4	1.4	13.7	11.5	83.9	10.3	20.2	2.7	1.1	5.7	149.1	147.6	147.6
2066	46		1.4	1.4	13.7	11.5	83.9	10.3	20.0	2.6	1.1	5.6	148.8	147.3	147.3
2067	47		1.4	1.4	13.7	11.5	83.9	10.3	19.8	2.6	1.1	5.5	148.4	147.0	147.0
2068	48		1.4	1.4	13.7	11.5	83.9	10.3	19.6	2.6	1.1	5.4	148.1	146.7	146.7
2069	49		1.4	1.4	13.7	11.5	83.9	10.3	19.4	2.6	1.1	5.4	147.8	146.4	146.4
2070	50		1.4	1.4	13.7	11.5	83.9	10.3	19.2	2.5	1.1	335.9	5.3	483.4	481.9
合 計		1,096.3	74.5	1,170.8	685.7	697.7	4,383.9	516.5	1,200.5	158.5	68.3	335.9	369.0	8,415.8	7,245.0

【全体事業】

費用便益分析シート(割引後)

EIRR=	12.7%	NPV=	2,717　億円
B/C=	3.1		

(億円)																
年度	割 引 後															
	施設供用期間	社会的 割引率	建設費・ 再投資費	管理運営 費	総費用 (C)	ダイレクト 輸送化	横持ち輸送 の削減	代替港への 輸送回避	滞船コスト 削減	走行時間短 縮便益	走行経費減 少便益	交通事故減 少便益	残存価値	緊急物資輸 送コスト削 減便益	総便益 (B)	純便益 (B-C)
2006		1.80	107.1		107.1											-107.1
2007		1.73	103.8		103.8											-103.8
2008		1.67	47.5	0.7	48.1		7.0								7.0	-41.2
2009		1.60	71.2	0.7	71.8		7.7								7.7	-64.2
2010		1.54	27.3	0.7	28.0	20.8	17.5								38.2	10.3
2011		1.48	5.5	0.6	6.1	32.6	16.5								49.1	43.0
2012		1.42	17.5	0.6	18.1	21.2	16.6								37.8	19.7
2013		1.37	20.4	0.6	20.9	20.5	14.3								34.8	13.9
2014		1.32	31.4	0.5	31.9	8.0	9.7								17.7	-14.2
2015		1.27	54.2	0.5	54.6		12.3								12.3	-42.4
2016		1.22	87.6	0.5	88.1		9.1	47.6							56.7	-31.4
2017		1.17	96.8	0.4	97.2		13.5	52.5							66.0	-31.2
2018		1.12	135.1	0.4	135.5		11.8	57.0							68.8	-66.6
2019		1.08	122.8	0.4	123.1		10.8	61.0							71.8	-51.4
2020		1.04	156.0	0.4	156.3		12.0	53.7							65.7	-90.7
2021	1	1.00	33.5	1.0	34.6		11.5	46.8	10.3	28.1	3.7	1.6		6.8	108.8	74.3
2022	2	0.96	19.1	1.0	20.1		11.1	62.8	9.9	27.0	3.5	1.5		8.1	123.9	103.9
2023	3	0.92	13.4	1.0	14.4		10.7	77.6	9.6	25.8	3.4	1.5		9.2	137.7	123.3
2024	4	0.89	14.5	0.9	15.4		10.2	74.6	9.2	24.7	3.3	1.4		8.7	132.1	116.8
2025	5	0.85	16.8	0.9	17.6		9.9	71.8	8.8	23.7	3.1	1.4		8.3	126.9	109.2
2026	6	0.82	16.1	1.2	17.3	11.2	9.5	69.0	8.5	22.7	3.0	1.3		7.8	133.0	115.7
2027	7	0.79		1.1	1.1	10.8	9.1	66.3	8.2	21.8	2.9	1.2		7.4	127.7	126.6
2028	8	0.76		1.1	1.1	10.4	8.8	63.8	7.9	20.8	2.8	1.2		7.1	122.6	121.5
2029	9	0.73		1.0	1.0	10.0	8.4	61.3	7.6	20.0	2.6	1.1		6.7	117.7	116.7
2030	10	0.70		1.0	1.0	9.6	8.1	59.0	7.3	19.1	2.5	1.1		6.4	113.0	112.0
2031	11	0.68		1.0	1.0	9.2	7.8	56.7	7.0	18.3	2.4	1.1		6.0	108.4	107.5
2032	12	0.65		0.9	0.9	8.9	7.5	54.5	6.7	17.4	2.3	1.0		5.7	104.0	103.1
2033	13	0.62		0.9	0.9	8.5	7.2	52.4	6.5	16.6	2.2	1.0		5.4	99.8	98.9
2034	14	0.60		0.9	0.9	8.2	6.9	50.4	6.2	15.9	2.1	0.9		5.2	95.8	94.9
2035	15	0.58		0.8	0.8	7.9	6.7	48.5	6.0	15.2	2.0	0.9		4.9	91.9	91.0
2036	16	0.56		0.8	0.8	7.6	6.4	46.6	5.7	14.5	1.9	0.8		4.6	88.2	87.4
2037	17	0.53		0.8	0.8	7.3	6.2	44.8	5.5	13.8	1.8	0.8		4.4	84.6	83.8
2038	18	0.51	6.7	0.7	7.4	7.0	5.9	43.1	5.3	13.2	1.7	0.8		4.2	81.1	73.7
2039	19	0.49		0.7	0.7	6.7	5.7	41.4	5.1	12.6	1.7	0.7		4.0	77.9	77.1
2040	20	0.47		0.7	0.7	6.5	5.5	39.8	4.9	12.0	1.6	0.7		3.8	74.7	74.0
2041	21	0.46		0.7	0.7	6.2	5.3	38.3	4.7	11.4	1.5	0.7		3.6	71.6	71.0
2042	22	0.44		0.6	0.6	6.0	5.1	36.8	4.5	10.9	1.4	0.6		3.4	68.8	68.1
2043	23	0.42	8.3	0.6	8.9	5.8	4.9	35.4	4.4	10.4	1.4	0.6		3.2	65.9	57.1
2044	24	0.41		0.6	0.6	5.5	4.7	34.1	4.2	9.9	1.3	0.6		3.0	63.3	62.7
2045	25	0.39		0.6	0.6	5.3	4.5	32.8	4.0	9.4	1.3	0.5		2.9	60.7	60.2
2046	26	0.38		0.5	0.5	5.1	4.3	31.5	3.9	9.0	1.2	0.5		2.7	58.2	57.7
2047	27	0.36		0.5	0.5	4.9	4.2	30.3	3.7	8.6	1.1	0.5		2.6	55.9	55.4
2048	28	0.35		0.5	0.5	4.7	4.0	29.1	3.6	8.2	1.1	0.5		2.5	53.6	53.1
2049	29	0.33		0.5	0.5	4.6	3.8	28.0	3.4	7.8	1.0	0.4		2.3	51.4	51.0
2050	30	0.32		0.5	0.5	4.4	3.7	26.9	3.3	7.4	1.0	0.4		2.2	49.4	48.9
2051	31	0.31		0.4	0.4	4.2	3.6	25.9	3.2	7.1	0.9	0.4		2.1	47.4	46.9
2052	32	0.30		0.4	0.4	4.1	3.4	24.9	3.1	6.8	0.9	0.4		2.0	45.4	45.0
2053	33	0.29		0.4	0.4	3.9	3.3	23.9	2.9	6.4	0.9	0.4		1.9	43.6	43.2
2054	34	0.27		0.4	0.4	3.7	3.2	23.0	2.8	6.1	0.8	0.4		1.8	41.8	41.4
2055	35	0.26	3.4	0.4	3.8	3.6	3.0	22.1	2.7	5.9	0.8	0.3		1.7	40.1	36.3
2056	36	0.25		0.4	0.4	3.5	2.9	21.3	2.6	5.6	0.7	0.3		1.6	38.5	38.2
2057	37	0.24	15.1	0.4	15.5	3.3	2.8	20.5	2.5	5.3	0.7	0.3		1.5	37.0	21.5
2058	38	0.23		0.3	0.3	3.2	2.7	19.7	2.4	5.1	0.7	0.3		1.5	35.5	35.1
2059	39	0.23		0.3	0.3	3.1	2.6	18.9	2.3	4.8	0.6	0.3		1.4	34.0	33.7
2060	40	0.22	4.3	0.3	4.6	3.0	2.5	18.2	2.2	4.6	0.6	0.3		1.3	32.7	28.1
2061	41	0.21		0.3	0.3	2.8	2.4	17.5	2.2	4.4	0.6	0.3		1.2	31.3	31.0
2062	42	0.20		0.3	0.3	2.7	2.3	16.8	2.1	4.2	0.6	0.2		1.2	30.0	29.8
2063	43	0.19		0.3	0.3	2.6	2.2	16.2	2.0	4.0	0.5	0.2		1.1	28.8	28.5
2064	44	0.19		0.3	0.3	2.5	2.1	15.5	1.9	3.8	0.5	0.2		1.1	27.7	27.4
2065	45	0.18		0.3	0.3	2.4	2.1	15.0	1.8	3.6	0.5	0.2		1.0	26.5	26.3
2066	46	0.17		0.2	0.2	2.3	2.0	14.4	1.8	3.4	0.5	0.2		1.0	25.5	25.2
2067	47	0.16		0.2	0.2	2.3	1.9	13.8	1.7	3.3	0.4	0.2		0.9	24.4	24.2
2068	48	0.16		0.2	0.2	2.2	1.8	13.3	1.6	3.1	0.4	0.2		0.9	23.4	23.2
2069	49	0.15		0.2	0.2	2.1	1.8	12.8	1.6	2.9	0.4	0.2		0.8	22.5	22.3
2070	50	0.15		0.2	0.2	2.0	1.7	12.3	1.5	2.8	0.4	0.2	49.2	0.8	70.7	70.5
合 計			1,234.9	36.8	1,271.7	344.8	416.1	2,092.0	230.8	569.0	75.1	32.4	49.2	179.6	3,988.9	2,717.2