

石巻港 雲雀野地区 国際物流ターミナル整備事業
費用便益分析シート(割引前)

(事業全体:基本)

費用便益分析シート(割引後)

EIRR= 4.7% NPV= 447 億円
B/C= 1.20

										(億円)		
										割引前		
年度	施設供用期間	初期投資・更新投資	運営・維持コスト	総費用(C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	岸船コスト削減便益	海陸回遊便益	残存価値	総便益(B)	純便益(B-C)	
1983		2.5		2.5						-2.5	-2.5	
1984		11.3		11.3						-11.3	-11.3	
1985		18.0		18.0						-18.0	-18.0	
1986		21.5		21.5						-21.5	-21.5	
1987		53.2		53.2						-53.2	-53.2	
1988		44.1		44.1						-44.1	-44.1	
1989		24.6		24.6						-24.6	-24.6	
1990		27.3		27.3						-27.3	-27.3	
1991		31.2		31.2						-31.2	-31.2	
1992		38.4		38.4						-38.4	-38.4	
1993		72.5		72.5						-72.5	-72.5	
1994		77.0		77.0						-77.0	-77.0	
1995		96.2		96.2						-96.2	-96.2	
1996		93.2		93.2						-93.2	-93.2	
1997		87.7		87.7						-87.7	-87.7	
1998		68.5		68.5	0.5				0.5	-68.0	-68.0	
1999		47.4		47.4	1.0				1.0	-46.4	-46.4	
2000		48.0		48.0	0.2				0.2	-47.8	-47.8	
2001		81.8		81.8	0.0				0.0	-81.8	-81.8	
2002		64.9		64.9	1.1				1.1	-63.8	-63.8	
2003		33.6		33.6	1.3				1.3	-32.3	-32.3	
2004		63.0		63.0	1.5				1.5	-61.4	-61.4	
2005		39.0		39.0	0.1		1.3		1.4	-37.6	-37.6	
2006		26.6		26.6	0.9				0.9	-25.7	-25.7	
2007		25.2		25.2	7.1			1.0	8.1	-17.1	-17.1	
2008		24.2		24.2	14.0	0.2		1.9	16.1	-8.1	-8.1	
2009		15.3		15.3	18.4	0.7	1.5		20.6	5.3	5.3	
2010		8.8		8.8	19.1	0.8	1.6	27.1	48.6	39.8	39.8	
2011		16.7		16.7	20.2	0.8	1.8	27.1	49.9	33.2	33.2	
2012		13.4		13.4	21.3	0.9	1.9	27.1	51.2	37.7	37.7	
2013		12.5		12.5	22.4	0.9	2.1	27.1	52.4	40.0	40.0	
2014		13.7		13.7	23.5	0.9	2.2	27.1	53.7	40.1	40.1	
2015		13.8		13.8	24.6	1.0	2.4	27.1	55.0	41.2	41.2	
2016		17.1		17.1	97.8	1.0	2.5	30.9	132.2	115.1	115.1	
2017		16.2		16.2	99.1	1.0	2.7	30.9	133.7	117.5	117.5	
2018		20.0		20.0	99.6	1.0	2.8	30.9	134.4	114.4	114.4	
2019		20.0		20.0	100.1	1.0	3.0	30.9	135.0	115.0	115.0	
2020		18.8		18.8	100.6	1.0	3.1	30.9	135.7	116.9	116.9	
2021	1	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2022	2	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2023	3	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2024	4	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2025	5	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2026	6	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2027	7	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2028	8	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2029	9	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2030	10	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2031	11	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2032	12	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2033	13	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2034	14	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2035	15	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2036	16	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2037	17	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2038	18	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2039	19	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2040	20	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2041	21	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2042	22	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2043	23	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2044	24	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2045	25	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2046	26	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2047	27	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2048	28	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2049	29	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2050	30	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2051	31	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2052	32	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2053	33	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2054	34	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2055	35	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2056	36	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2057	37	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2058	38	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2059	39	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2060	40	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2061	41	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2062	42	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2063	43	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2064	44	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2065	45	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2066	46	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2067	47	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2068	48	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2069	49	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
2070	50	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	135.8	
合計		1,407.1	27.8	1,434.8	5,728.3	62.2	197.1	1,864.8	111.4	7,963.8	6,529.0	

										(億円)		
										割引後		
年度	施設供用期間	社会的割引率	初期投資・更新投資	運営・維持コスト	総費用(C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	岸船コスト削減便益	海陸回遊便益	残存価値	総便益(B)	純便益(B-C)
1983			2.88	7.3	7.3						-2.88	-2.88
1984			2.77	31.2	31.2						-2.77	-2.77
1985			2.67	47.9	47.9						-2.67	-2.67
1986			2.56	55.0	55.0						-2.56	-2.56
1987			2.46	131.0	131.0						-2.46	-2.46
1988			2.37	104.6	104.6						-2.37	-2.37
1989			2.28	55.9	55.9						-2.28	-2.28
1990			2.19	59.9	59.9						-2.19	-2.19
1991			2.11	65.8	65.8						-2.11	-2.11
1992			2.03	77.9	77.9						-2.03	-2.03
1993			1.95	141.2	141.2						-1.95	-1.95
1994			1.87	144.2	144.2						-1.87	-1.87
1995			1.80	173.2	173.2						-1.80	-1.80
1996			1.73	161.4	161.4						-1.73	-1.73
1997			1.67	145.9	145.9						-1.67	-1.67
1998			1.60	109.7	109.7	0.8				0.8	-108.9	-108.9
1999			1.54	73.0	73.0	1.6				1.6	-71.4	-71.4
2000			1.48	71.0	71.0	0.3				0.3	-70.7	-70.7
2001			1.42	116.4	116.4	0.0				0.0	-116.4	-116.4
2002			1.37	88.8	88.8	1.5				1.5	-87.3	-87.3
2003			1.32	44.2	44.2	1.7				1.7	-42.5	-42.5
2004			1.27	79.7	79.7	2.0				2.0	-77.8	-77.8
2005			1.22	47.5	47.5	0.2		1.6		1.8	-45.7	-45.7
2006			1.17	31.1	31.1	1.0				1.0	-30.0	-30.0
2007			1.12	28.3	28.3	7.9		1.2		9.1	-19.2	-19.2
2008			1.08	26.2	26.2	15.1	0.2	2.1		17.4	-8.8	-8.8
2009			1.04	16.0	16.0	19.2	0.7	1.5		21.4	5.5	5.5
2010			1.00	8.8	8.8	19.1	0.8	1.6	27.1	48.6	39.8	39.8
2011			0.96	16.0	16.0	19.4	0.8	1.7	26.0	47.9	31.9	31.9
2012		</										

石巻港 雲雀野地区 国際物流ターミナル整備事業
費用便益分析シート(割引前)

(事業全体:需要-10%)

費用便益分析シート(割引後)

EIRR= 4.3% NPV= 181 億円
B/C= 1.08

										(億円)		
割引前										残存価値	総便益 (B)	純便益 (B-C)
年度	施設供用期間	初期投資・更新投資	運営・維持コスト	総費用 (C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	岸船コスト削減便益	海陸回遊便益	残存価値	総便益 (B)	純便益 (B-C)	
1983		2.5		2.5						-2.5	-2.5	
1984		11.3		11.3						-11.3	-11.3	
1985		18.0		18.0						-18.0	-18.0	
1986		21.5		21.5						-21.5	-21.5	
1987		53.2		53.2						-53.2	-53.2	
1988		44.1		44.1						-44.1	-44.1	
1989		24.6		24.6						-24.6	-24.6	
1990		27.3		27.3						-27.3	-27.3	
1991		31.2		31.2						-31.2	-31.2	
1992		38.4		38.4						-38.4	-38.4	
1993		72.5		72.5						-72.5	-72.5	
1994		77.0		77.0						-77.0	-77.0	
1995		96.2		96.2						-96.2	-96.2	
1996		93.2		93.2						-93.2	-93.2	
1997		87.7		87.7						-87.7	-87.7	
1998		68.5		68.5					0.5	-68.0	-68.0	
1999		47.4		47.4	1.0				1.0	-46.4	-46.4	
2000		48.0		48.0	0.2				0.2	-47.8	-47.8	
2001		81.8		81.8	0.0				0.0	-81.8	-81.8	
2002		64.9		64.9	1.1				1.1	-63.8	-63.8	
2003		33.6		33.6	1.3				1.3	-32.3	-32.3	
2004		63.0		63.0	1.5				1.5	-61.4	-61.4	
2005		39.0		39.0	0.1		1.3		1.4	-37.6	-37.6	
2006		26.6		26.6	0.9				0.9	-25.7	-25.7	
2007		25.2		25.2	7.1		1.0		8.1	-17.1	-17.1	
2008		24.2		24.2	14.0	0.2	1.9		16.1	-8.1	-8.1	
2009		15.3		15.3	18.4	0.7	1.5		20.6	5.3	5.3	
2010		8.8		8.8	17.2	0.7	1.4	24.4	43.7	35.0	35.0	
2011		16.7		16.7	18.2	0.7	1.6	24.4	44.9	28.2	28.2	
2012		13.4		13.4	19.2	0.8	1.7	24.4	46.0	32.6	32.6	
2013		12.5		12.5	20.2	0.8	1.9	24.4	47.2	34.7	34.7	
2014		13.7		13.7	21.1	0.8	2.0	24.4	48.3	34.7	34.7	
2015		13.8		13.8	22.1	0.9	2.1	24.4	49.5	35.7	35.7	
2016		17.1		17.1	88.0	0.9	2.3	27.9	119.0	101.9	101.9	
2017		16.2		16.2	89.2	0.9	2.4	27.9	120.3	104.1	104.1	
2018		20.0		20.0	89.6	0.9	2.5	27.9	120.9	100.9	100.9	
2019		20.0		20.0	90.1	0.9	2.7	27.9	121.5	101.5	101.5	
2020		18.8		18.8	90.5	0.9	2.8	27.9	122.1	103.3	103.3	
2021	1	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2022	2	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2023	3	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2024	4	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2025	5	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2026	6	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2027	7	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2028	8	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2029	9	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2030	10	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2031	11	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2032	12	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2033	13	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2034	14	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2035	15	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2036	16	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2037	17	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2038	18	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2039	19	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2040	20	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2041	21	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2042	22	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2043	23	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2044	24	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2045	25	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2046	26	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2047	27	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2048	28	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2049	29	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2050	30	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2051	31	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2052	32	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2053	33	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2054	34	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2055	35	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2056	36	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2057	37	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2058	38	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2059	39	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2060	40	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2061	41	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2062	42	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2063	43	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2064	44	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2065	45	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2066	46	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2067	47	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2068	48	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2069	49	0.6	0.6	0.6	91.0	0.9	3.0	27.9	122.7	122.2	122.2	
2070	50	0.6	0.6	0.6	91.0	0.9	3.0	27.9	111.4	234.1	233.6	
合計		1,407.1	27.8	1,434.8	5,160.1	56.1	178.0	1,678.3	111.4	7,183.9	5,749.0	

										(億円)		
割引後										残存価値	総便益 (B)	純便益 (B-C)
年度	施設供用期間	社会的割引率	初期投資・更新投資	運営・維持コスト	総費用 (C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	岸船コスト削減便益	海陸回遊便益	残存価値	総便益 (B)	純便益 (B-C)
1983		2.88		7.3	7.3						-7.3	-7.3
1984		2.77		31.2	31.2						-31.2	-31.2
1985		2.67		47.9	47.9						-47.9	-47.9
1986		2.56		55.0	55.0						-55.0	-55.0
1987		2.46		131.0	131.0						-131.0	-131.0
1988		2.37		104.6	104.6						-104.6	-104.6
1989		2.28		55.9	55.9						-55.9	-55.9
1990		2.19		59.9	59.9						-59.9	-59.9
1991		2.11		65.8	65.8						-65.8	-65.8
1992		2.03		77.9	77.9						-77.9	-77.9
1993		1.95		141.2	141.2						-141.2	-141.2
1994		1.87		144.2	144.2						-144.2	-144.2
1995		1.80		173.2	173.2						-173.2	-173.2
1996		1.73		161.4	161.4						-161.4	-161.4
1997		1.67		145.9	145.9						-145.9	-145.9
1998		1.60		109.7	109.7	0.8				0.8	-108.8	-108.8
1999		1.54		73.0	73.0	1.6				1.6	-71.4	-71.4
2000		1.48		71.0	71.0	0.3				0.3	-70.7	-70.7
2001		1.42		116.4	116.4	0.0				0.0	-116.4	-116.4
2002		1.37		88.8	88.8	1.5				1.5	-87.3	-87.3
2003		1.32		44.2	44.2	1.7				1.7	-42.5	-42.5
2004		1.27		79.7	79.7	2.0				2.0	-77.8	-77.8
2005		1.22		47.5	47.5	0.2		1.6		1.8	-45.7	-45.7
2006		1.17		31.1	31.1	1.0				1.0	-30.0	-30.0
2007		1.12		28.3	28.3	7.9		1.2		9.1	-19.2	-19.2
2008		1.08		26.2	26.2	15.1	0.2	2.1		17.4	-8.8	-8.8
2009		1.04		16.0	16.0	19.2	0.7	1.5		21.4	5.5	5.5
2010		1.00		8.8	8.8	17.2	0.7	1.4	24.4	43.7	35.0	35.0
2011		0.96		16.0	16.0	17.5	0.7	1.5	23.4	43.1	27.1	27.1
2												

石巻港 雲雀野地区 国際物流ターミナル整備事業
費用便益分析シート(割引前)

(事業全体:需要+10%)

費用便益分析シート(割引後)

EIRR= 4.9% NPV= 713 億円
B/C= 1.31

										(億円)		
割引前										残存価値	総便益 (B)	純便益 (B-C)
年度	施設供用期間	初期投資・更新投資	運営・維持コスト	総費用 (C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	岸船コスト削減便益	海陸回遊便益	残存価値	総便益 (B)	純便益 (B-C)	
1983		2.5		2.5						-2.5	-2.5	
1984		11.3		11.3						-11.3	-11.3	
1985		18.0		18.0						-18.0	-18.0	
1986		21.5		21.5						-21.5	-21.5	
1987		53.2		53.2						-53.2	-53.2	
1988		44.1		44.1						-44.1	-44.1	
1989		24.6		24.6						-24.6	-24.6	
1990		27.3		27.3						-27.3	-27.3	
1991		31.2		31.2						-31.2	-31.2	
1992		38.4		38.4						-38.4	-38.4	
1993		72.5		72.5						-72.5	-72.5	
1994		77.0		77.0						-77.0	-77.0	
1995		96.2		96.2						-96.2	-96.2	
1996		93.2		93.2						-93.2	-93.2	
1997		87.7		87.7						-87.7	-87.7	
1998		68.5		68.5	0.5				0.5	-68.0	-68.0	
1999		47.4		47.4	1.0				1.0	-46.4	-46.4	
2000		48.0		48.0	0.2				0.2	-47.8	-47.8	
2001		81.8		81.8	0.0				0.0	-81.8	-81.8	
2002		64.9		64.9	1.1				1.1	-63.8	-63.8	
2003		33.6		33.6	1.3				1.3	-32.3	-32.3	
2004		63.0		63.0	1.5				1.5	-61.4	-61.4	
2005		39.0		39.0	0.1		1.3		1.4	-37.6	-37.6	
2006		26.6		26.6	0.9				0.9	-25.7	-25.7	
2007		25.2		25.2	7.1			1.0	8.1	-17.1	-17.1	
2008		24.2		24.2	14.0	0.2		1.9	16.1	-8.1	-8.1	
2009		15.3		15.3	18.4	0.7	1.5		20.6	5.3	5.3	
2010		8.8		8.8	21.1	0.8	1.8	29.8	53.5	44.7	44.7	
2011		16.7		16.7	22.3	0.9	1.9	29.8	54.9	38.2	38.2	
2012		13.4		13.4	23.4	0.9	2.1	29.8	56.3	42.9	42.9	
2013		12.5		12.5	24.6	1.0	2.3	29.8	57.7	45.2	45.2	
2014		13.7		13.7	25.8	1.0	2.4	29.8	59.1	45.4	45.4	
2015		13.8		13.8	27.0	1.1	2.6	29.8	60.5	46.7	46.7	
2016		17.1		17.1	107.5	1.1	2.8	34.0	145.5	128.3	128.3	
2017		16.2		16.2	109.0	1.1	2.9	34.0	147.1	130.9	130.9	
2018		20.0		20.0	109.5	1.1	3.1	34.0	147.8	127.8	127.8	
2019		20.0		20.0	110.1	1.1	3.3	34.0	148.5	128.5	128.5	
2020		18.8		18.8	110.6	1.1	3.4	34.0	149.2	130.4	130.4	
2021	1	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2022	2	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2023	3	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2024	4	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2025	5	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2026	6	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2027	7	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2028	8	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2029	9	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2030	10	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2031	11	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2032	12	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2033	13	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2034	14	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2035	15	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2036	16	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2037	17	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2038	18	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2039	19	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2040	20	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2041	21	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2042	22	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2043	23	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2044	24	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2045	25	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2046	26	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2047	27	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2048	28	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2049	29	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2050	30	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2051	31	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2052	32	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2053	33	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2054	34	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2055	35	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2056	36	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2057	37	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2058	38	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2059	39	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2060	40	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2061	41	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2062	42	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2063	43	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2064	44	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2065	45	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2066	46	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2067	47	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2068	48	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2069	49	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
2070	50	0.6		0.6	111.2	1.1	3.6	34.0	150.0	149.4	149.4	
合計		1,407.1	27.8	1,434.8	6,296.5	68.3	216.2	2,051.3	111.4	8,743.8	7,308.9	

										(億円)			
割引後										残存価値	総便益 (B)	純便益 (B-C)	
年度	施設供用期間	社会的割引率	初期投資・更新投資	運営・維持コスト	総費用(C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	岸船コスト削減便益	海陸回遊便益	残存価値	総便益 (B)	純便益 (B-C)	
1983		2.88		7.3								-7.3	
1984		2.77		31.2								-31.2	
1985		2.67		47.9								-47.9	
1986		2.56		55.0								-55.0	
1987		2.46		131.0								-131.0	
1988		2.37		104.6								-104.6	
1989		2.28		55.9								-55.9	
1990		2.19		59.9								-59.9	
1991		2.11		65.8								-65.8	
1992		2.03		77.9								-77.9	
1993		1.95		141.2								-141.2	
1994		1.87		144.2								-144.2	
1995		1.80		173.2								-173.2	
1996		1.73		161.4								-161.4	
1997		1.67		145.9								-145.9	
1998		1.60		109.7			0.8			0.8		-108.8	
1999		1.54		73.0			1.6			1.6		-71.4	
2000		1.48		71.0			0.3			0.3		-70.7	
2001		1.42		116.4			0.0			0.0		-116.4	
2002		1.37		88.8			1.5			1.5		-87.3	
2003		1.32		44.2			1.7			1.7		-42.5	
2004		1.27		79.7			2.0			2.0		-77.8	
2005		1.22		47.5			0.2		1.6	1.8		-45.7	
2006		1.17		31.1			1.0			1.0		-30.0	
2007		1.12		28.3			7.9		1.2	9.1		-19.2	
2008		1.08		26.2			15.1	0.2	2.1	17.4		-8.8	
2009		1.04		16.0			16.0	19.2	0.7	21.4		5.5	
2010		1.00		8.8			8.8	21.1	0.8	1.8	29.8	53.5	44.7
2011		0.96		16.0			16.0	21.4	0.8	1.9	28.6	52.7	36.7
2012		0.92		12.4			12.4	21.6	0.9	1.9	27.5	51.9	35.5
2013		0.88		11.0			11.0	21.8	0.9	2.0	26.4	51.0	40.0
2014		0.85		11.6			11.6	21.9	0.9	2.1	25.3	50.2	38.6
2015		0.82		11.3			11.3	22.0	0.9	2.1	24.3	49.3	38.1

石巻港 雲雀野地区 国際物流ターミナル整備事業
費用便益分析シート(割引前)

(事業全体:費用-10%)

費用便益分析シート(割引後)

EIRR= 4.7% NPV= 460 億円
B/C= 1.20

割引前										(億円)		
年度	施設供用期間	初期投資・更新投資	運営・維持コスト	総費用(C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	岸船コスト削減便益	海陸回遊便益	残存価値	総便益(B)	純便益(B-C)	
1983		2.5		2.5						-2.5	-2.5	
1984		11.3		11.3						-11.3	-11.3	
1985		18.0		18.0						-18.0	-18.0	
1986		21.5		21.5						-21.5	-21.5	
1987		53.2		53.2						-53.2	-53.2	
1988		44.1		44.1						-44.1	-44.1	
1989		24.6		24.6						-24.6	-24.6	
1990		27.3		27.3						-27.3	-27.3	
1991		31.2		31.2						-31.2	-31.2	
1992		38.4		38.4						-38.4	-38.4	
1993		72.5		72.5						-72.5	-72.5	
1994		77.0		77.0						-77.0	-77.0	
1995		96.2		96.2						-96.2	-96.2	
1996		93.2		93.2						-93.2	-93.2	
1997		87.7		87.7						-87.7	-87.7	
1998		68.5		68.5	0.5				0.5	-68.0	-68.0	
1999		47.4		47.4	1.0				1.0	-46.4	-46.4	
2000		48.0		48.0	0.2				0.2	-47.8	-47.8	
2001		81.8		81.8	0.0				0.0	-81.8	-81.8	
2002		64.9		64.9	1.1				1.1	-63.8	-63.8	
2003		33.6		33.6	1.3				1.3	-32.3	-32.3	
2004		63.0		63.0	1.5				1.5	-61.4	-61.4	
2005		39.0		39.0	0.1		1.3		1.4	-37.6	-37.6	
2006		26.6		26.6	0.9			1.3	0.9	-25.7	-25.7	
2007		25.2		25.2	7.1			1.0	8.1	-17.1	-17.1	
2008		24.2		24.2	14.0	0.2		1.9	16.1	-8.1	-8.1	
2009		15.3		15.3	18.4	0.7	1.5		20.6	5.3	20.9	
2010		8.8		8.8	19.1	0.8	1.6	27.1	48.6	39.8	39.8	
2011		15.0		15.0	20.2	0.8	1.8	27.1	49.9	34.9	34.9	
2012		12.1		12.1	21.3	0.9	1.9	27.1	51.2	39.1	39.1	
2013		11.2		11.2	22.4	0.9	2.1	27.1	52.4	41.2	41.2	
2014		12.3		12.3	23.5	0.9	2.2	27.1	53.7	41.4	41.4	
2015		12.4		12.4	24.6	1.0	2.4	27.1	55.0	42.6	42.6	
2016		15.4		15.4	97.8	1.0	2.5	30.9	132.2	116.8	116.8	
2017		14.6		14.6	99.1	1.0	2.7	30.9	133.7	119.1	119.1	
2018		18.0		18.0	99.6	1.0	2.8	30.9	134.4	116.4	116.4	
2019		18.0		18.0	100.1	1.0	3.0	30.9	135.0	117.0	117.0	
2020		16.9		16.9	100.6	1.0	3.1	30.9	135.7	116.7	116.7	
2021	1	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2021	
2022	2	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2022	
2023	3	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2023	
2024	4	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2024	
2025	5	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2025	
2026	6	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2026	
2027	7	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2027	
2028	8	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2028	
2029	9	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2029	
2030	10	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2030	
2031	11	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2031	
2032	12	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2032	
2033	13	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2033	
2034	14	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2034	
2035	15	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2035	
2036	16	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2036	
2037	17	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2037	
2038	18	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2038	
2039	19	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2039	
2040	20	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2040	
2041	21	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2041	
2042	22	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2042	
2043	23	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2043	
2044	24	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2044	
2045	25	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2045	
2046	26	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2046	
2047	27	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2047	
2048	28	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2048	
2049	29	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2049	
2050	30	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2050	
2051	31	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2051	
2052	32	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2052	
2053	33	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2053	
2054	34	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2054	
2055	35	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2055	
2056	36	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2056	
2057	37	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2057	
2058	38	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2058	
2059	39	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2059	
2060	40	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2060	
2061	41	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2061	
2062	42	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2062	
2063	43	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2063	
2064	44	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2064	
2065	45	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2065	
2066	46	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2066	
2067	47	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2067	
2068	48	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2068	
2069	49	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2069	
2070	50	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2070	
合計		1,390.8	27.8	1,418.6	5,728.3	62.2	197.1	1,864.8	110.3	7,962.7	6,544.1	

割引後										(億円)		
年度	施設供用期間	社会的割引率	初期投資・更新投資	運営・維持コスト	総費用(C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	岸船コスト削減便益	海陸回遊便益	残存価値	総便益(B)	純便益(B-C)
1983			2.88	7.3	7.3						-2.88	-2.88
1984			2.77	31.2	31.2						-2.77	-2.77
1985			2.67	47.9	47.9						-2.67	-2.67
1986			2.56	55.0	55.0						-2.56	-2.56
1987			2.46	131.0	131.0						-2.46	-2.46
1988			2.37	104.6	104.6						-2.37	-2.37
1989			2.28	55.9	55.9						-2.28	-2.28
1990			2.19	59.9	59.9						-2.19	-2.19
1991			2.11	65.8	65.8						-2.11	-2.11
1992			2.03	77.9	77.9						-2.03	-2.03
1993			1.95	141.2	141.2						-1.95	-1.95
1994			1.87	144.2	144.2						-1.87	-1.87
1995			1.80	173.2	173.2						-1.80	-1.80
1996			1.73	161.4	161.4						-1.73	-1.73
1997			1.67	145.9	145.9						-1.67	-1.67
1998			1.60	109.7	109.7	0.8				0.8	-108.9	-108.9
1999			1.54	73.0	73.0	1.6				1.6	-71.4	-71.4
2000			1.48	71.0	71.0	0.3				0.3	-70.7	-70.7
2001			1.42	116.4	116.4	0.0				0.0	-116.4	-116.4
2002			1.37	88.8	88.8	1.5				1.5	-87.3	-87.3
2003			1.32	44.2	44.2	1.7				1.7	-42.5	-42.5
2004			1.27	79.7	79.7	2.0				2.0	-77.8	-77.8
2005			1.22	47.5	47.5	0.2		1.6		1.8	-45.7	-45.7
2006			1.17	31.1	31.1	1.0				1.0	-30.0	-30.0
2007			1.12	28.3	28.3	7.9		1.2		9.1	-19.2	-19.2
2008			1.08	26.2	26.2	15.1	0.2	2.1		17.4	-8.8	-8.8
2009			1.04	16.0	16.0	19.2	0.7	1.5		21.4	5.5	5.5
2010			1.00	8.8	8.8	19.1	0.8	1.6	27.1	48.6	39.8	39.8
2011			0.96	14.4	14.4	19.4	0.8	1.7	26.0	47.9	33.5	33.5
2012			0.92	11.1	11.1	19.6	0.8	1.8	25.0	47.2	36.0	36.0

石巻港 雲雀野地区 国際物流ターミナル整備事業
費用便益分析シート(割引前)

(事業全体:費用+10%)

費用便益分析シート(割引後)

EIRR= 4.6% NPV= 434 億円
B/C= 1.19

割引前										(億円)		
年度	施設供用期間	初期投資・更新投資	運営・維持コスト	総費用(C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	岸船コスト削減便益	海陸回遊便益	残存価値	総便益(B)	純便益(B-C)	
1983		2.5		2.5						-2.5	-2.5	
1984		11.3		11.3						-11.3	-11.3	
1985		19.0		19.0						-19.0	-19.0	
1986		21.5		21.5						-21.5	-21.5	
1987		53.2		53.2						-53.2	-53.2	
1988		44.1		44.1						-44.1	-44.1	
1989		24.6		24.6						-24.6	-24.6	
1990		27.3		27.3						-27.3	-27.3	
1991		31.2		31.2						-31.2	-31.2	
1992		38.4		38.4						-38.4	-38.4	
1993		72.5		72.5						-72.5	-72.5	
1994		77.0		77.0						-77.0	-77.0	
1995		96.2		96.2						-96.2	-96.2	
1996		93.2		93.2						-93.2	-93.2	
1997		87.7		87.7						-87.7	-87.7	
1998		68.5		68.5	0.5				0.5	-68.0	-68.0	
1999		47.4		47.4	1.0				1.0	-46.4	-46.4	
2000		48.0		48.0	0.2				0.2	-47.8	-47.8	
2001		81.8		81.8	0.0				0.0	-81.8	-81.8	
2002		64.9		64.9	1.1				1.1	-63.8	-63.8	
2003		33.6		33.6	1.3				1.3	-32.3	-32.3	
2004		63.0		63.0	1.5				1.5	-61.4	-61.4	
2005		39.0		39.0	0.1		1.3		1.4	-37.6	-37.6	
2006		26.6		26.6	0.9				0.9	-25.7	-25.7	
2007		25.2		25.2	7.1			1.0	8.1	-17.1	-17.1	
2008		24.2		24.2	14.0	0.2		1.9	16.1	-8.1	-8.1	
2009		15.3		15.3	18.4	0.7	1.5		20.6	5.3	5.3	
2010		8.8		8.8	19.1	0.8	1.6	27.1	48.6	39.8	39.8	
2011		18.3		18.3	20.2	0.8	1.8	27.1	49.9	31.5	31.5	
2012		14.8		14.8	21.3	0.9	1.9	27.1	51.2	36.4	36.4	
2013		13.7		13.7	22.4	0.9	2.1	27.1	52.4	38.7	38.7	
2014		15.0		15.0	23.5	0.9	2.2	27.1	53.7	38.7	38.7	
2015		15.2		15.2	24.6	1.0	2.4	27.1	55.0	39.8	39.8	
2016		18.9		18.9	97.8	1.0	2.5	30.9	132.2	113.4	113.4	
2017		17.8		17.8	99.1	1.0	2.7	30.9	133.7	115.9	115.9	
2018		22.0		22.0	99.6	1.0	2.8	30.9	134.4	112.4	112.4	
2019		22.0		22.0	100.1	1.0	3.0	30.9	135.0	113.0	113.0	
2020		20.7		20.7	100.6	1.0	3.1	30.9	135.7	115.0	115.0	
2021	1	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2021 1 0.64 0.4 0.4 64.5 0.7 2.1 19.8 87.0 86.7	
2022	2	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2022 2 0.61 0.3 0.3 61.9 0.6 2.0 19.0 83.5 83.2	
2023	3	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2023 3 0.59 0.3 0.3 59.5 0.6 1.9 18.2 80.2 79.9	
2024	4	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2024 4 0.56 0.3 0.3 57.1 0.6 1.9 17.5 77.0 76.7	
2025	5	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2025 5 0.54 0.3 0.3 54.8 0.6 1.8 16.8 73.9 73.6	
2026	6	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2026 6 0.52 0.3 0.3 52.6 0.5 1.7 16.1 71.0 70.7	
2027	7	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2027 7 0.50 0.3 0.3 50.5 0.5 1.7 15.5 68.1 67.8	
2028	8	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2028 8 0.48 0.3 0.3 48.5 0.5 1.6 14.8 65.4 65.1	
2029	9	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2029 9 0.46 0.3 0.3 46.5 0.5 1.5 14.2 62.8 62.5	
2030	10	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2030 10 0.44 0.2 0.2 44.7 0.5 1.5 13.7 60.3 60.0	
2031	11	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2031 11 0.42 0.2 0.2 42.9 0.4 1.4 13.1 57.9 57.6	
2032	12	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2032 12 0.41 0.2 0.2 41.2 0.4 1.3 12.6 55.5 55.3	
2033	13	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2033 13 0.39 0.2 0.2 39.5 0.4 1.3 12.1 53.3 53.1	
2034	14	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2034 14 0.38 0.2 0.2 37.9 0.4 1.2 11.6 51.2 51.0	
2035	15	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2035 15 0.36 0.2 0.2 36.4 0.4 1.2 11.2 49.1 48.9	
2036	16	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2036 16 0.35 0.2 0.2 35.0 0.4 1.1 10.7 47.2 47.0	
2037	17	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2037 17 0.33 0.2 0.2 33.6 0.3 1.1 10.3 45.3 45.1	
2038	18	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2038 18 0.32 0.2 0.2 32.2 0.3 1.1 9.9 43.5 43.3	
2039	19	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2039 19 0.31 0.2 0.2 30.9 0.3 1.0 9.5 41.7 41.6	
2040	20	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2040 20 0.29 0.2 0.2 29.7 0.3 1.0 9.1 40.1 39.9	
2041	21	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2041 21 0.28 0.2 0.2 28.5 0.3 0.9 8.7 38.5 38.3	
2042	22	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2042 22 0.27 0.2 0.2 27.4 0.3 0.9 8.4 36.9 36.8	
2043	23	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2043 23 0.26 0.1 0.1 26.3 0.3 0.9 8.0 35.5 35.3	
2044	24	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2044 24 0.25 0.1 0.1 25.2 0.3 0.8 7.7 34.0 33.9	
2045	25	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2045 25 0.24 0.1 0.1 24.2 0.2 0.8 7.4 32.7 32.5	
2046	26	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2046 26 0.23 0.1 0.1 23.3 0.2 0.8 7.1 31.4 31.2	
2047	27	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2047 27 0.22 0.1 0.1 22.3 0.2 0.7 6.8 30.1 30.0	
2048	28	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2048 28 0.21 0.1 0.1 21.4 0.2 0.7 6.6 28.9 28.8	
2049	29	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2049 29 0.20 0.1 0.1 20.6 0.2 0.7 6.3 27.7 27.6	
2050	30	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2050 30 0.20 0.1 0.1 19.7 0.2 0.6 6.0 26.6 26.5	
2051	31	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2051 31 0.19 0.1 0.1 19.0 0.2 0.6 5.8 25.6 25.5	
2052	32	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2052 32 0.18 0.1 0.1 18.2 0.2 0.6 5.6 24.6 24.5	
2053	33	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2053 33 0.17 0.1 0.1 17.5 0.2 0.6 5.3 23.6 23.5	
2054	34	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2054 34 0.17 0.1 0.1 16.8 0.2 0.5 5.1 22.6 22.5	
2055	35	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2055 35 0.16 0.1 0.1 16.1 0.2 0.5 4.9 21.7 21.6	
2056	36	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2056 36 0.15 0.1 0.1 15.5 0.2 0.5 4.7 20.9 20.8	
2057	37	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2057 37 0.15 0.1 0.1 14.8 0.1 0.5 4.5 20.0 19.9	
2058	38	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2058 38 0.14 0.1 0.1 14.2 0.1 0.5 4.4 19.2 19.1	
2059	39	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2059 39 0.14 0.1 0.1 13.7 0.1 0.4 4.2 18.4 18.4	
2060	40	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2060 40 0.13 0.1 0.1 13.1 0.1 0.4 4.0 17.7 17.6	
2061	41	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2061 41 0.12 0.1 0.1 12.6 0.1 0.4 3.9 17.0 16.9	
2062	42	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2062 42 0.12 0.1 0.1 12.1 0.1 0.4 3.7 16.3 16.3	
2063	43	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2063 43 0.11 0.1 0.1 11.6 0.1 0.4 3.6 15.7 15.6	
2064	44	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2064 44 0.11 0.1 0.1 11.2 0.1 0.4 3.4 15.0 15.0	
2065	45	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2065 45 0.11 0.1 0.1 10.7 0.1 0.4 3.3 14.4 14.4	
2066	46	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2066 46 0.10 0.1 0.1 10.3 0.1 0.3 3.1 13.9 13.9	
2067	47	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2067 47 0.10 0.1 0.1 9.9 0.1 0.3 3.0 13.3 13.3	
2068	48	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2068 48 0.09 0.1 0.1 9.5 0.1 0.3 2.9 12.8 12.7	
2069	49	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2069 49 0.09 0.1 0.1 9.1 0.1 0.3 2.8 12.3 12.2	
2070	50	0.6	0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2070 50 0.09 0.0 0.0 8.7 0.1 0.3 2.7 11.8 11.7	
合計		1,423.3	27.8	1,451.1	5,728.3	62.2	197.1	1,864.8	112.5	7,964.9	6,513.9	

割引後										(億円)		
年度	施設供用期間	社会的割引率	初期投資・更新投資	運営・維持コスト	総費用(C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	岸船コスト削減便益	海陸回遊便益	残存価値	総便益(B)	純便益(B-C)
1983			2.88	7.3	7.3						-7.3	-7.3
1984			2.77	31.2	31.2						-31.2	-31.2
1985			2.67	47.9	47.9						-47.9	-47.9
1986			2.56	55.0	55.0						-55.0	-55.0
1987			2.46	131.0	131.0						-131.0	-131.0
1988			2.37	104.6	104.6						-104.6	-104.6
1989			2.28	55.9	55.9						-55.9	-55.9
1990			2.19	59.9	59.9							

石巻港 雲雀野地区 国際物流ターミナル整備事業
費用便益分析シート(割引前)

(事業全体:建設期間-10%) 費用便益分析シート(割引後)

EIRR= 4.6% NPV= 433 億円
B/C= 1.19

(億円)											(億円)														
割引前											割引後														
年度	施設提供期間	初期投資・更新投資	運営・維持コスト	総費用(C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	埠船コスト削減便益	海陸回遊便益	残存価値	総便益(B)	純便益(B-C)	年度	施設提供期間	社会的割引率	初期投資・更新投資	運営・維持コスト	総費用(C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	埠船コスト削減便益	海陸回遊便益	残存価値	総便益(B)	純便益(B-C)	
1983		2.5		-2.5						2.88	-7.3	1983			2.88	7.3							2.88	-7.3	
1984		11.3		-11.3						2.77	-31.2	1984			2.77	31.2							2.77	-31.2	
1985		18.0		-18.0						2.67	-47.9	1985			2.67	47.9							2.67	-47.9	
1986		21.5		-21.5						2.56	-55.0	1986			2.56	55.0							2.56	-55.0	
1987		53.2		-53.2						2.46	-131.0	1987			2.46	131.0							2.46	-131.0	
1988		44.1		-44.1						2.37	-104.6	1988			2.37	104.6							2.37	-104.6	
1989		24.6		-24.6						2.28	-55.9	1989			2.28	55.9							2.28	-55.9	
1990		27.3		-27.3						2.19	-59.9	1990			2.19	59.9							2.19	-59.9	
1991		31.2		-31.2						2.11	-65.8	1991			2.11	65.8							2.11	-65.8	
1992		38.4		-38.4						2.03	-77.9	1992			2.03	77.9							2.03	-77.9	
1993		72.5		-72.5						1.95	-141.2	1993			1.95	141.2							1.95	-141.2	
1994		77.0		-77.0						1.87	-144.2	1994			1.87	144.2							1.87	-144.2	
1995		96.2		-96.2						1.80	-173.2	1995			1.80	173.2							1.80	-173.2	
1996		93.2		-93.2						1.73	-161.4	1996			1.73	161.4							1.73	-161.4	
1997		87.7		-87.7						1.67	-145.9	1997			1.67	145.9							1.67	-145.9	
1998		68.5		-68.5	0.5				0.5	-68.0	1998			1.60	109.7			0.8				0.8	0.8	-108.8	
1999		47.4	0.5	-47.4	1.0				1.0	-46.4	1999			1.54	73.0			1.6				1.6	1.6	-71.4	
2000		48.0	0.2	-48.0	0.2				0.2	-47.8	2000			1.48	71.0			0.3				0.3	0.3	-70.7	
2001		81.8	0.0	-81.8	0.0				0.0	-81.8	2001			1.42	116.4			0.0				0.0	0.0	-116.4	
2002		64.9	1.1	-64.9	1.1				1.1	-63.8	2002			1.37	88.8			1.5				1.5	1.5	-87.3	
2003		33.6	1.3	-33.6	1.3				1.3	-32.3	2003			1.32	44.2			1.7				1.7	1.7	-42.5	
2004		63.0	1.5	-63.0	1.5				1.5	-61.4	2004			1.27	79.7			2.0				2.0	2.0	-77.8	
2005		39.0	0.1	-39.0	0.1	1.3			1.4	-37.6	2005			1.22	47.5			0.2		1.6		1.6	1.6	-45.7	
2006		26.6	0.9	-26.6	0.9				0.9	-25.7	2006			1.17	31.1			1.0				1.0	1.0	-30.0	
2007		25.2	7.1	-25.2	7.1		1.0		8.1	-17.1	2007			1.12	28.3			7.9		1.2		1.2	1.2	-19.2	
2008		24.2	14.0	-24.2	14.0	0.2	1.9		16.1	-8.1	2008			1.08	28.2			28.2	15.1	0.2	2.1	2.1	2.1	-8.8	
2009		15.3	18.4	-15.3	18.4	0.7	1.5		20.6	-5.3	2009			1.04	16.0			16.0	19.2	0.7	1.5	1.5	1.5	21.4	5.5
2010		8.8	19.1	-8.8	19.1	0.8	1.6	27.1	48.6	39.8	2010			1.00	8.8			8.8	19.1	0.8	1.6	27.1	48.6	39.8	
2011		18.2	20.2	-18.2	20.2	0.8	1.8	27.1	49.9	31.7	2011			0.96	17.4			17.4	19.4	0.8	1.7	26.0	47.9	30.5	
2012		14.7	21.3	-14.7	21.3	0.9	1.9	27.1	51.2	36.5	2012			0.92	13.6			13.6	19.6	0.8	1.8	25.0	47.2	33.6	
2013		14.3	22.4	-14.3	22.4	0.9	2.1	27.1	52.4	38.2	2013			0.88	12.6			12.6	19.8	0.8	1.8	24.0	46.4	33.8	
2014		15.2	23.5	-15.2	23.5	0.9	2.2	27.1	53.7	38.5	2014			0.85	12.9			12.9	19.9	0.8	1.9	23.0	45.6	32.7	
2015		17.2	24.6	-17.2	24.6	1.0	2.4	27.1	55.0	37.8	2015			0.82	14.0			14.0	20.0	0.8	1.9	22.1	44.8	30.8	
2016		18.4	25.8	-18.4	25.8	1.0	2.5	30.9	56.8	37.8	2016			0.78	14.4			14.4	20.2	0.8	2.0	24.2	43.9	29.7	
2017		21.0	27.0	-21.0	27.0	1.0	2.7	30.9	58.7	37.7	2017			0.75	15.7			15.7	20.4	0.8	2.0	23.3	43.0	28.7	
2018		22.2	28.2	-22.2	28.2	1.0	2.8	30.9	60.4	37.6	2018			0.72	16.0			16.0	20.6	0.7	2.0	22.3	42.1	27.7	
2019		21.0	29.4	-21.0	29.4	1.0	3.0	30.9	62.0	37.4	2019			0.69	14.5			14.5	20.8	0.7	2.0	21.4	41.2	26.7	
2020	1		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2020	1	0.66		0.4	0.4	67.2	0.7	2.2	20.6		90.7	90.3		
2021	2		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2021	2	0.64		0.4	0.4	64.5	0.7	2.1	19.8		87.0	86.7		
2022	3		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2022	3	0.61		0.3	0.3	61.9	0.6	2.0	19.0		83.5	83.2		
2023	4		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2023	4	0.59		0.3	0.3	59.5	0.6	1.9	18.2		80.2	79.9		
2024	5		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2024	5	0.56		0.3	0.3	57.1	0.6	1.9	17.5		77.0	76.7		
2025	6		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2025	6	0.54		0.3	0.3	54.8	0.6	1.8	16.8		73.9	73.6		
2026	7		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2026	7	0.52		0.3	0.3	52.6	0.5	1.7	16.1		71.0	70.7		
2027	8		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2027	8	0.50		0.3	0.3	50.5	0.5	1.7	15.5		68.1	67.8		
2028	9		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2028	9	0.48		0.3	0.3	48.5	0.5	1.6	14.8		65.4	65.1		
2029	10		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2029	10	0.46		0.3	0.3	46.5	0.5	1.5	14.2		62.8	62.5		
2030	11		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2030	11	0.44		0.2	0.2	44.7	0.5	1.5	13.7		60.3	60.0		
2031	12		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2031	12	0.42		0.2	0.2	42.9	0.4	1.4	13.1		57.9	57.6		
2032	13		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2032	13	0.41		0.2	0.2	41.2	0.4	1.3	12.6		55.5	55.3		
2033	14		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2033	14	0.39		0.2	0.2	39.5	0.4	1.3	12.1		53.3	53.1		
2034	15		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2034	15	0.38		0.2	0.2	37.9	0.4	1.2	11.6		51.2	51.0		
2035	16		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2035	16	0.36		0.2	0.2	36.4	0.4	1.2	11.2		49.1	48.9		
2036	17		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2036	17	0.35		0.2	0.2	35.0	0.4	1.1	10.7		47.2	47.0		
2037	18		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2037	18	0.33		0.2	0.2	33.6	0.3	1.1	10.3		45.3	45.1		
2038	19		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2038	19	0.32		0.2	0.2	32.2	0.3	1.1	9.9		43.5	43.3		
2039	20		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2039	20	0.31		0.2	0.2	30.9	0.3	1.0	9.5		41.7	41.6		
2040	21		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2040	21	0.29		0.2	0.2	29.7	0.3	1.0	9.1		40.1	39.9		
2041	22		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2041	22	0.28		0.2	0.2	28.5	0.3	0.9	8.7		38.5	38.3		
2042	23		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2042	23	0.27		0.2	0.2	27.4	0.3	0.9	8.4		36.9	36.8		
2043	24		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2043	24	0.26		0.1	0.1	26.3	0.3	0.9	8.0		35.5	35.3		
2044	25		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2044	25	0.25		0.1	0.1	25.2	0.3	0.8	7.7		34.0	33.9		
2045	26		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2045	26	0.24		0.1	0.1	24.2	0.2	0.8	7.4		32.7	32.5		
2046	27		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8	2046	27	0.23		0.1	0.1	23.3	0.2	0.8	7.1		31.4	31.2		
2047	28		0.6	0.6	101.1	1.0	3.3	30.9	136.4	135.8</															

石巻港 雲雀野地区 国際物流ターミナル整備事業
費用便益分析シート(割引前)

(事業全体:建設期間+10%) 費用便益分析シート(割引後)

EIRR= 4.7% NPV= 460 億円
B/C= 1.20

(億円)										(億円)														
割引前										割引後														
年度	施設供 用期間	初期投資・ 更新投資	運営・維持 コスト	総費用 (C)	海上輸送コ スト削減便 益	陸上輸送コ スト削減便 益	海船コスト削 減便益	海陸回遊便 益	残存価値	総便益 (B)	純便益 (B-C)	年度	施設供 用期間	社会的 割引率	初期投資・ 更新投資	運営・維持 コスト	総費用(C)	海上輸送コ スト削減便 益	陸上輸送コ スト削減便 益	海船コスト削 減便益	海陸回遊便 益	残存価値	総便益 (B)	純便益 (B-C)
1983		2.5		2.5						-2.5		1983		2.88	7.3		7.3							-7.3
1984		11.3		11.3						-11.3		1984		2.77	31.2		31.2							-31.2
1985		18.0		18.0						-18.0		1985		2.67	47.9		47.9							-47.9
1986		21.5		21.5						-21.5		1986		2.56	55.0		55.0							-55.0
1987		53.2		53.2						-53.2		1987		2.46	131.0		131.0							-131.0
1988		44.1		44.1						-44.1		1988		2.37	104.6		104.6							-104.6
1989		24.6		24.6						-24.6		1989		2.28	55.9		55.9							-55.9
1990		27.3		27.3						-27.3		1990		2.19	59.9		59.9							-59.9
1991		31.2		31.2						-31.2		1991		2.11	65.8		65.8							-65.8
1992		38.4		38.4						-38.4		1992		2.03	77.9		77.9							-77.9
1993		72.5		72.5						-72.5		1993		1.95	141.2		141.2							-141.2
1994		77.0		77.0						-77.0		1994		1.87	144.2		144.2							-144.2
1995		96.2		96.2						-96.2		1995		1.80	173.2		173.2							-173.2
1996		93.2		93.2						-93.2		1996		1.73	161.4		161.4							-161.4
1997		87.7		87.7						-87.7		1997		1.67	145.9		145.9							-145.9
1998		68.5	0.5	68.5	0.5				0.5	-68.0		1998		1.60	109.7	0.8	109.7	0.8				0.8	0.8	-108.8
1999		47.4	1.0	47.4	1.0				1.0	-46.4		1999		1.54	73.0	1.6	73.0	1.6				1.6	1.6	-71.4
2000		48.0	0.2	48.0	0.2				0.2	-47.8		2000		1.48	71.0	0.3	71.0	0.3				0.3	0.3	-70.7
2001		81.8	0.0	81.8	0.0				0.0	-81.8		2001		1.42	116.4	0.0	116.4	0.0				0.0	0.0	-116.4
2002		64.9	1.1	64.9	1.1				1.1	-63.8		2002		1.37	88.8	0.8	88.8	0.8				1.5	1.5	-87.3
2003		33.6	1.3	33.6	1.3				1.3	-32.3		2003		1.32	44.2	1.7	44.2	1.7				1.7	1.7	-42.5
2004		63.0	1.5	63.0	1.5				1.5	-61.4		2004		1.27	79.7	2.0	79.7	2.0				2.0	2.0	-77.8
2005		39.0	0.1	39.0	0.1	1.3			1.4	-37.6		2005		1.22	47.5	4.75	47.5	0.2	1.6			1.8	1.8	-45.7
2006		26.6	0.9	26.6	0.9				0.9	-25.7		2006		1.17	31.1	3.11	31.1	1.0				1.0	1.0	-30.0
2007		25.2	7.1	25.2	7.1		1.0		8.1	-17.1		2007		1.12	28.3	28.3	7.9		1.2			9.1	9.1	-19.2
2008		24.2	14.0	24.2	14.0	0.2	1.9		16.1	-8.1		2008		1.08	26.2	26.2	15.1	0.2	2.1			17.4	17.4	-8.8
2009		15.3	18.4	15.3	18.4	0.7	1.5		20.6	5.3		2009		1.04	16.0	16.0	19.2	0.7	1.5			21.4	21.4	5.5
2010		8.8	19.1	8.8	19.1	0.8	1.6	27.1	49.6	39.8		2010		0.98	9.8	9.8	19.1	0.8	1.6	27.1	1.8	1.8	48.6	39.8
2011		15.2	20.2	15.2	20.2	0.8	1.8	27.1	49.9	34.7		2011		0.96	14.5	14.5	19.4	0.8	1.7	26.0	2.0	2.0	47.9	33.3
2012		12.5	21.3	12.5	21.3	0.9	1.9	27.1	51.2	38.7		2012		0.92	11.5	11.5	19.6	0.8	1.8	25.0	2.2	2.2	47.2	35.6
2013		11.5	22.4	11.5	22.4	0.9	2.1	27.1	52.4	40.9		2013		0.88	10.2	10.2	19.8	0.8	1.8	24.0	2.4	2.4	46.4	36.2
2014		12.1	23.5	12.1	23.5	0.9	2.2	27.1	53.7	41.6		2014		0.85	10.3	10.3	19.9	0.8	1.9	23.0	2.6	2.6	45.6	35.3
2015		12.5	24.6	12.5	24.6	1.0	2.4	27.1	55.0	42.5		2015		0.82	10.2	10.2	20.0	0.8	1.9	22.1	2.8	2.8	44.8	34.6
2016		14.1	97.8	14.1	97.8	1.0	2.5	30.9	132.2	118.2		2016		0.78	11.0	11.0	76.5	0.8	2.0	24.2	3.0	3.0	103.5	92.5
2017		15.2	99.1	15.2	99.1	1.0	2.7	30.9	133.7	118.5		2017		0.75	11.5	11.5	74.4	0.8	2.0	23.3	3.2	3.2	100.5	89.0
2018		15.8	99.6	15.8	99.6	1.0	2.8	30.9	134.4	118.6		2018		0.72	11.4	11.4	71.8	0.7	2.0	22.3	3.4	3.4	96.9	85.6
2019		18.2	100.1	18.2	100.1	1.0	3.0	30.9	135.0	118.8		2019		0.69	12.6	12.6	69.3	0.7	2.0	21.4	3.6	3.6	93.5	80.9
2020		18.1	100.6	18.1	100.6	1.0	3.1	30.9	135.7	117.6		2020		0.66	12.0	12.0	66.9	0.7	2.1	20.6	3.8	3.8	90.2	78.2
2021		17.1	100.6	17.1	100.6	1.0	3.3	30.9	135.8	118.8		2021		0.64	10.9	10.9	64.2	0.7	2.1	19.8	4.0	4.0	86.7	75.8
2022	1	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.61	2022	1	0.61	0.3	0.3	61.9	0.6	2.0	19.0	4.2	4.2	83.5	83.2
2023	2	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.59	2023	2	0.59	0.3	0.3	59.5	0.6	1.9	18.2	4.4	4.4	80.2	79.9
2024	3	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.56	2024	3	0.56	0.3	0.3	57.1	0.6	1.9	17.5	4.6	4.6	77.0	76.7
2025	4	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.54	2025	4	0.54	0.3	0.3	54.8	0.6	1.8	16.8	4.8	4.8	73.9	73.6
2026	5	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.52	2026	5	0.52	0.3	0.3	52.6	0.5	1.7	16.1	5.0	5.0	71.0	70.7
2027	6	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.50	2027	6	0.50	0.3	0.3	50.5	0.5	1.7	15.5	5.2	5.2	68.1	67.8
2028	7	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.48	2028	7	0.48	0.3	0.3	48.5	0.5	1.6	14.8	5.4	5.4	65.4	65.1
2029	8	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.46	2029	8	0.46	0.3	0.3	46.5	0.5	1.5	14.2	5.6	5.6	62.8	62.5
2030	9	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.44	2030	9	0.44	0.2	0.2	44.7	0.5	1.5	13.7	5.8	5.8	60.3	60.0
2031	10	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.42	2031	10	0.42	0.2	0.2	42.9	0.4	1.4	13.1	6.0	6.0	57.9	57.6
2032	11	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.41	2032	11	0.41	0.2	0.2	41.2	0.4	1.3	12.6	6.2	6.2	55.5	55.3
2033	12	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.39	2033	12	0.39	0.2	0.2	39.5	0.4	1.3	12.1	6.4	6.4	53.3	53.1
2034	13	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.38	2034	13	0.38	0.2	0.2	37.8	0.4	1.2	11.6	6.6	6.6	51.2	51.0
2035	14	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.36	2035	14	0.36	0.2	0.2	36.4	0.4	1.2	11.2	6.8	6.8	49.1	48.9
2036	15	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.35	2036	15	0.35	0.2	0.2	35.0	0.4	1.1	10.7	7.0	7.0	47.2	47.0
2037	16	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.33	2037	16	0.33	0.2	0.2	33.6	0.3	1.1	10.3	7.2	7.2	45.3	45.1
2038	17	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.32	2038	17	0.32	0.2	0.2	32.2	0.3	1.1	9.9	7.4	7.4	43.5	43.3
2039	18	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.31	2039	18	0.31	0.2	0.2	30.9	0.3	1.0	9.5	7.6	7.6	41.7	41.6
2040	19	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.29	2040	19	0.29	0.2	0.2	29.7	0.3	1.0	9.1	7.8	7.8	40.1	39.9
2041	20	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.28	2041	20	0.28	0.2	0.2	28.5	0.3	0.9	8.7	8.0	8.0	38.5	38.3
2042	21	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.27	2042	21	0.27	0.2	0.2	27.4	0.3	0.9	8.4	8.2	8.2	36.9	36.8
2043	22	0.6	101.1	0.6	101.1	1.0	3.3	30.9	136.4	135.8	0.26	2043	22	0.26	0.1	0.1	26.3	0.3	0.9	8.0	8.4			

石巻港 雲雀野地区 国際物流ターミナル整備事業
費用便益分析シート(割引前)

(事業業:基本)

費用便益分析シート(割引後)

EIRR= 47.6% NPV= 1,411 億円
B/C= 11.35

割引前											(億円)		
年度	施設供 用期間	初期投資・ 更新投資	運営・維 持コスト	総費用 (C)	海上輸送コ スト削減便 益	陸上輸送コ スト削減便 益	岸船コスト削減 減便益	海陸回遊便 益	残存価値	総便益 (B)	純便益 (B-C)		
1983													
1984													
1985													
1986													
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2011		16.7		16.7	1.1	0.0	0.2		1.3	-15.4			
2012		13.4		13.4	2.2	0.1	0.3		2.6	-10.9			
2013		12.5		12.5	3.3	0.1	0.5		3.8	-8.6			
2014		13.7		13.7	4.3	0.2	0.6		5.1	-8.5			
2015		13.8		13.8	5.4	0.2	0.8	3.9	6.4	-7.4			
2016		17.1		17.1	78.6	0.3	0.9		83.6	66.5			
2017		16.2		16.2	79.9	0.3	1.1	3.9	85.1	68.9			
2018		20.0		20.0	80.4	0.3	1.2	3.9	85.7	65.7			
2019		20.0		20.0	80.9	0.3	1.4	3.9	86.4	66.4			
2020		18.8		18.8	81.4	0.3	1.5	3.9	87.0	66.3			
2021	1		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2022	2		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2023	3		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2024	4		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2025	5		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2026	6		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2027	7		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2028	8		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2029	9		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2030	10		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2031	11		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2032	12		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2033	13		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2034	14		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2035	15		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2036	16		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2037	17		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2038	18		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2039	19		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2040	20		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2041	21		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2042	22		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2043	23		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2044	24		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2045	25		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2046	26		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2047	27		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2048	28		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2049	29		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2050	30		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2051	31		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2052	32		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2053	33		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2054	34		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2055	35		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2056	36		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2057	37		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2058	38		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2059	39		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2060	40		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2061	41		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2062	42		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2063	43		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2064	44		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2065	45		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2066	46		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2067	47		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2068	48		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2069	49		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
2070	50		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2			
合 計		162.2	27.8	189.9	4,514.6	14.9	93.1	212.2	43.6	4,878.4	4,688.4		

割引後											(億円)		
年度	施設供 用期間	社会的 割引率	初期投資・ 更新投資	運営・維 持コスト	総費用(C)	海上輸送コ スト削減便 益	陸上輸送コ スト削減便 益	岸船コスト削減 減便益	海陸回遊便 益	残存価値	総便益 (B)	純便益 (B-C)	
1983			2.88										
1984			2.77										
1985			2.67										
1986			2.56										
1987			2.46										
1988			2.37										
1989			2.28										
1990			2.19										
1991			2.11										
1992			2.03										
1993			1.95										
1994			1.87										
1995			1.80										
1996			1.73										
1997			1.67										
1998			1.60										
1999			1.54										
2000			1.48										
2001			1.42										
2002			1.37										
2003			1.32										
2004			1.27										
2005			1.22										
2006			1.17										
2007			1.12										
2008			1.08										
2009			1.04										
2010			1.00										
2011			0.96	16.0		16.0	1.0	0.0	0.1		1.2	-14.8	
2012			0.92	12.4		12.4	2.0	0.1	0.3		2.4	-10.0	
2013			0.88	11.0		11.0	2.9	0.1	0.4		3.4	-7.6	
2014			0.85	11.6		11.6	3.7	0.1	0.5		4.3	-7.3	
2015			0.82	11.3		11.3	4.4	0.2	0.6		5.2	-6.0	
2016			0.78	13.4		13.4	61.5	0.2	0.7	3.0	65.5	52.1	
2017			0.75	12.2		12.2	60.1	0.2	0.8	2.9	63.9	51.8	
2018			0.72	14.4		14.4	58.0	0.2	0.9	2.8	61.9	47.4	
2019			0.69	13.9		13.9	56.0	0.2	0.9	2.7	59.8	46.0	
2020			0.66	12.5		12.5	54.1	0.2	1.0	2.6	57.9	45.4	
2021	1		0.64		0.4	0.4	52.3	0.2	1.1	2.5	56.0	55.7	
2022	2		0.62		0.3	0.3	50.2	0.2	1.0	2.4	53.9	53.4	
2023	3		0.59		0.3	0.3	48.2	0.2	1.0	2.3	51.6	51.3	
2024	4		0.56		0.3	0.3	46.3	0.1	1.0	2.2	49.6	49.2	
2025	5		0.54		0.3	0.3	44.4	0.1	0.9	2.1	47.6	47.3	
2026	6		0.52		0.3	0.3	42.6	0.1	0.9	2.0	45.7	45.4	
2027	7		0.50		0.3	0.3	40.9	0.1	0.8	1.9	43.8	43.6	
2028	8		0.48		0.3	0.3	39.3	0.1	0.8	1.8	42.1	41.8	
2029	9		0.46		0.3	0.3	37.7	0.1	0.8	1.8	40.4	40.1	
2030	10		0.44		0.2	0.2	36.2	0.1	0.8	1.7	38.8	38.5	
2031	11		0.42		0.2	0.2	34.8	0.1	0.7	1.6	37.2	37.0	
2032	12		0.41		0.2	0.2	33.4	0.1	0.7	1.6	35.7	35.5	
2033	13		0.39		0.2	0.2	32.0	0.1	0.7	1.5			

石巻港 雲雀野地区 国際物流ターミナル整備事業
費用便益分析シート(割引前)

(熟事業:需要-10%)

費用便益分析シート(割引後)

EIRR= 44.1% NPV= 1,257 億円
B/C= 10.22

		割引前							(億円)		
年度	施設供用期間	初期投資・更新投資	運営・維持コスト	総費用(C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	港船コスト削減便益	海陸回遊便益	残存価値	総便益(B)	純便益(B-C)
1983											
1984											
1985											
1986											
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2009											
2010											
2011		16.7		16.7	1.0	0.0	0.1	1.2	-15.5		
2012		13.4		13.4	2.0	0.1	0.3	2.3	-11.1		
2013		12.5		12.5	2.9	0.1	0.4	3.4	-9.0		
2014		13.7		13.7	3.9	0.2	0.5	4.6	-9.1		
2015		13.8		13.8	4.9	0.2	0.7	5.8	-8.1		
2016		17.1		17.1	70.8	0.2	0.8	75.3	58.1		
2017		16.2		16.2	71.9	0.2	0.9	76.6	60.4		
2018		20.0		20.0	72.4	0.2	1.1	77.2	57.2		
2019		20.0		20.0	72.8	0.2	1.2	77.8	57.8		
2020		18.8		18.8	73.3	0.2	1.4	78.3	59.6		
2021	1	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2022	2	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2023	3	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2024	4	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2025	5	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2026	6	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2027	7	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2028	8	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2029	9	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2030	10	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2031	11	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2032	12	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2033	13	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2034	14	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2035	15	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2036	16	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2037	17	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2038	18	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2039	19	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2040	20	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2041	21	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2042	22	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2043	23	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2044	24	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2045	25	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2046	26	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2047	27	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2048	28	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2049	29	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2050	30	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2051	31	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2052	32	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2053	33	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2054	34	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2055	35	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2056	36	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2057	37	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2058	38	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2059	39	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2060	40	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2061	41	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2062	42	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2063	43	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2064	44	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2065	45	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2066	46	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2067	47	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2068	48	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2069	49	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
2070	50	0.6		0.6	73.7	0.2	1.5	79.0	78.4		
合計		162.2	27.8	189.9	4,063.1	13.4	83.8	189.9	43.6	4,394.9	4,204.9

		割引後							(億円)			
年度	施設供用期間	社会的割引率	初期投資・更新投資	運営・維持コスト	総費用(C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	港船コスト削減便益	海陸回遊便益	残存価値	総便益(B)	純便益(B-C)
1983												
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2011			0.96	16.0		16.0	0.9	0.0	0.1	1.1	-14.9	
2012			0.92	12.4		12.4	1.8	0.1	0.2	2.1	-10.3	
2013			0.88	11.0		11.0	2.6	0.1	0.4	3.0	-8.0	
2014			0.85	11.6		11.6	3.3	0.1	0.5	3.9	-7.7	
2015			0.82	11.3		11.3	4.0	0.2	0.6	4.7	-6.6	
2016			0.78	13.4		13.4	55.4	0.2	0.6	2.7	58.9	45.5
2017			0.75	12.2		12.2	54.1	0.2	0.7	2.6	57.5	45.4
2018			0.72	14.4		14.4	52.2	0.2	0.8	2.5	55.7	41.2
2019			0.69	13.9		13.9	50.4	0.2	0.8	2.4	53.9	40.0
2020			0.66	12.5		12.5	48.7	0.2	0.9	2.3	52.1	39.6
2021	1		0.64		0.4	0.4	47.1	0.1	1.0	2.2	50.4	50.1
2022	2		0.61		0.3	0.3	45.2	0.1	0.9	2.1	48.4	48.5
2023	3		0.59		0.3	0.3	43.4	0.1	0.9	2.0	46.5	46.1
2024	4		0.56		0.3	0.3	41.6	0.1	0.9	2.0	44.6	44.3
2025	5		0.54		0.3	0.3	40.0	0.1	0.8	1.9	42.8	42.5
2026	6		0.52		0.3	0.3	38.4	0.1	0.8	1.8	41.1	40.8
2027	7		0.50		0.3	0.3	36.8	0.1	0.8	1.7	39.5	39.2
2028	8		0.48		0.3	0.3	35.4	0.1	0.7	1.7	37.9	37.6
2029	9		0.46		0.3	0.3	34.0	0.1	0.7	1.6	36.4	36.1
2030	10		0.44		0.2	0.2	32.6	0.1	0.7	1.5	34.9	34.7
2031	11		0.42		0.2	0.2	31.3	0.1	0.6	1.5	33.5	33.3
2032	12		0.41		0.2	0.2	30.0	0.1	0.6	1.4	32.2	31.9
2033	13		0.39		0.2	0.2	28.8	0.1	0.6	1.4	30.9	30.7
2034	14		0.38		0.2	0.2	27.7	0.1	0.6	1.3	29.6	29.4
2035	15		0.36		0.2	0.2	26.6	0.1	0.6	1.3	28.5	28.3
2036	16		0.35		0.2	0.2	25.5	0.1	0.5	1.2	27.3	27.1
2037	17		0.33		0.2	0.2	24.5	0.1	0.5			

石巻港 雲雀野地区 国際物流ターミナル整備事業
費用便益分析シート(割引前)

(熟事業:需要+10%)

費用便益分析シート(割引後)

EIRR= 51.0% NPV= 1,566 億円
B/C= 12.48

										(億円)		
										割引前		
年度	施設供 用期間	初期投資・ 更新投資	運営・維 持コスト	総費用 (C)	海上輸送コ スト削減便 益	陸上輸送コ スト削減便 益	岸船コスト削減 減便益	海陸回遊便 益	残存価値	総便益 (B)	純便益 (B-C)	
1983												
1984												
1985												
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2010												
2011		16.7		16.7	1.2	0.0	0.2		1.4	-15.3		
2012		13.4		13.4	2.4	0.1	0.3		2.8	-10.6		
2013		12.5		12.5	3.6	0.1	0.5		4.2	-8.3		
2014		13.7		13.7	4.8	0.2	0.7		5.6	-8.0		
2015		13.8		13.8	6.0	0.2	0.8		7.0	-6.8		
2016		17.1		17.1	86.5	0.3	1.0	4.2	92.0	74.9		
2017		16.2		16.2	87.9	0.3	1.2	4.2	93.6	77.4		
2018		20.0		20.0	88.5	0.3	1.3	4.2	94.3	74.3		
2019		20.0		20.0	89.0	0.3	1.5	4.2	95.0	75.0		
2020		18.8		18.8	89.6	0.3	1.7	4.2	95.8	77.0		
2021	1	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2022	2	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2023	3	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2024	4	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2025	5	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2026	6	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2027	7	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2028	8	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2029	9	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2030	10	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2031	11	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2032	12	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2033	13	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2034	14	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2035	15	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2036	16	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2037	17	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2038	18	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2039	19	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2040	20	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2041	21	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2042	22	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2043	23	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2044	24	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2045	25	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2046	26	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2047	27	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2048	28	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2049	29	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2050	30	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2051	31	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2052	32	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2053	33	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2054	34	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2055	35	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2056	36	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2057	37	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2058	38	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2059	39	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2060	40	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2061	41	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2062	42	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2063	43	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2064	44	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2065	45	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2066	46	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2067	47	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2068	48	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2069	49	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
2070	50	0.6		0.6	90.1	0.3	1.9	4.2	96.5	96.0		
合 計		162.2	27.8	189.9	4,966.0	16.4	102.5	233.4	43.6	5,361.8	5,171.9	

										(億円)		
										割引後		
年度	施設供 用期間	社会的 割引率	初期投資・ 更新投資	運営・維 持コスト	総費用(C)	海上輸送コ スト削減便 益	陸上輸送コ スト削減便 益	岸船コスト削減 減便益	海陸回遊便 益	残存価値	総便益 (B)	純便益 (B-C)
1983												
1984												
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2010												
2011			0.96	16.0		16.0	1.2	0.0	0.2		1.4	-14.6
2012			0.92	12.4		12.4	2.2	0.1	0.3		2.6	-9.8
2013			0.88	11.0		11.0	3.2	0.1	0.4		3.7	-7.3
2014			0.85	11.6		11.6	4.1	0.2	0.6		4.8	-6.8
2015			0.82	11.3		11.3	4.9	0.2	0.7		5.7	-5.5
2016			0.78	13.4		13.4	67.7	0.2	0.8	3.3	72.0	58.6
2017			0.75	12.2		12.2	66.1	0.2	0.9	3.2	70.3	58.2
2018			0.72	14.4		14.4	63.8	0.2	1.0	3.1	68.0	53.6
2019			0.69	13.9		13.9	61.7	0.2	1.0	2.9	65.8	52.0
2020			0.66	12.5		12.5	59.6	0.2	1.1	2.8	63.7	51.2
2021	1	0.64		0.4		0.4	57.5	0.2	1.2	2.7	61.6	61.3
2022	2	0.61		0.3		0.3	55.2	0.2	1.1	2.6	59.1	58.8
2023	3	0.59		0.3		0.3	53.0	0.2	1.1	2.5	56.8	56.5
2024	4	0.56		0.3		0.3	50.9	0.2	1.1	2.4	54.5	54.2
2025	5	0.54		0.3		0.3	48.9	0.2	1.0	2.3	52.3	52.0
2026	6	0.52		0.3		0.3	46.9	0.1	1.0	2.2	50.2	49.9
2027	7	0.50		0.3		0.3	45.0	0.1	0.9	2.1	48.2	47.9
2028	8	0.48		0.3		0.3	43.2	0.1	0.9	2.0	46.3	46.0
2029	9	0.46		0.3		0.3	41.5	0.1	0.9	2.0	44.4	44.2
2030	10	0.44		0.2		0.2	39.8	0.1	0.8	1.9	42.7	42.4
2031	11	0.42		0.2		0.2	38.2	0.1	0.8	1.8	41.0	40.7
2032	12	0.41		0.2		0.2	36.7	0.1	0.8	1.7	39.3	39.1
2033	13	0.39		0.2		0.2	35.2	0.1	0.7	1.7	37.7	37.5
2034	14	0.38		0.2		0.2	33.8	0.1				

石巻港 雲雀野地区 国際物流ターミナル整備事業
費用便益分析シート(割引前)

(熟事業:費用-10%)

費用便益分析シート(割引後)

EIRR= 51.3% NPV= 1,424 億円
B/C= 12.53

										(億円)		
										割引前		
年度	施設供 用期間	初期投資・ 更新投資	運営・維 持コスト	総費用 (C)	海上輸送コ スト削減便 益	陸上輸送コ スト削減便 益	岸船コスト削減 減便益	海陸回遊便 益	残存価値	総便益 (B)	純便益 (B-C)	
1983												
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1985												
1986												
1987												
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2006												
2007												
2008												
2009												
2010												
2011		15.0		15.0	1.1	0.0	0.2		1.3	-13.7		
2012		12.1		12.1	2.2	0.1	0.3		2.6	-9.5		
2013		11.2		11.2	3.3	0.1	0.5		3.8	-7.4		
2014		12.3		12.3	4.3	0.2	0.6		5.1	-7.2		
2015		12.4		12.4	5.4	0.2	0.8		6.4	-6.0		
2016		15.4		15.4	78.6	0.3	0.9	3.9	83.6	68.2		
2017		14.6		14.6	79.9	0.3	1.1	3.9	85.1	70.5		
2018		18.0		18.0	80.4	0.3	1.2	3.9	85.7	67.7		
2019		18.0		18.0	80.9	0.3	1.4	3.9	86.4	68.4		
2020		16.9		16.9	81.4	0.3	1.5	3.9	87.0	70.1		
2021	1		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2022	2		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2023	3		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2024	4		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2025	5		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2026	6		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2027	7		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2028	8		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2029	9		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2030	10		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2031	11		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2032	12		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2033	13		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2034	14		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2035	15		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2036	16		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2037	17		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2038	18		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2039	19		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2040	20		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2041	21		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2042	22		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2043	23		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2044	24		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2045	25		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2046	26		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2047	27		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2048	28		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2049	29		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2050	30		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2051	31		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2052	32		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2053	33		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2054	34		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2055	35		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2056	36		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2057	37		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2058	38		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2059	39		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2060	40		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2061	41		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2062	42		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2063	43		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2064	44		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2065	45		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2066	46		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2067	47		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2068	48		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2069	49		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
2070	50		0.6	0.6	81.9	0.3	1.7	3.9	87.8	87.2		
合計		145.9	27.8	173.7	4,514.6	14.9	93.1	212.2	42.5	4,877.3	4,703.5	

										(億円)		
										割引後		
年度	施設供 用期間	社会的 割引率	初期投資・ 更新投資	運営・維 持コスト	総費用(C)	海上輸送コ スト削減便 益	陸上輸送コ スト削減便 益	岸船コスト削減 減便益	海陸回遊便 益	残存価値	総便益 (B)	純便益 (B-C)
1983												
1984												
1985												
1986												
1987												
1988												
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2010												
2011			0.96	14.4	14.4	1.0	0.0	0.1		1.2	-13.2	
2012			0.92	11.1	11.1	2.0	0.1	0.3		2.4	-8.8	
2013			0.88	9.9	9.9	2.9	0.1	0.4		3.4	-6.5	
2014			0.85	10.4	10.4	3.7	0.1	0.5		4.3	-6.1	
2015			0.82	10.1	10.1	4.4	0.2	0.6		5.2	-4.9	
2016			0.78	12.1	12.1	61.5	0.2	0.7	3.0	65.5	53.4	
2017			0.75	10.9	10.9	60.1	0.2	0.8	2.9	63.9	53.0	
2018			0.72	13.0	13.0	58.0	0.2	0.9	2.8	61.9	48.9	
2019			0.69	12.5	12.5	56.0	0.2	0.9	2.7	59.8	47.4	
2020			0.66	11.2	11.2	54.1	0.2	1.0	2.6	57.9	46.6	
2021	1	0.64		0.4	0.4	52.3	0.2	1.1	2.5	56.0	55.7	
2022	2	0.61		0.3	0.3	50.2	0.2	1.0	2.4	53.9	53.4	
2023	3	0.59		0.3	0.3	48.2	0.2	1.0	2.3	51.6	51.3	
2024	4	0.56		0.3	0.3	46.3	0.1	1.0	2.2	49.6	49.2	
2025	5	0.54		0.3	0.3	44.4	0.1	0.9	2.1	47.6	47.3	
2026	6	0.52		0.3	0.3	42.6	0.1	0.9	2.0	45.7	45.4	
2027	7	0.50		0.3	0.3	40.9	0.1	0.8	1.9	43.8	43.6	
2028	8	0.48		0.3	0.3	39.3	0.1	0.8	1.8	42.1	41.8	
2029	9	0.46		0.3	0.3	37.7	0.1	0.8	1.8	40.4	40.1	
2030	10	0.44		0.2	0.2	36.2	0.1	0.8	1.7	38.8	38.5	
2031	11	0.42		0.2	0.2	34.8	0.1	0.7	1.6	37.2	37.0	
2032	12	0.41		0.2	0.2	33.4	0.1	0.7	1.6	35.7	35.5	
2033	13	0.39		0.2	0.2	32.0	0.1	0.7	1.5	34.3	34.1	
2034	14	0.38		0.2	0.2	30.8	0.1	0.6	1			

石巻港 雲雀野地区 国際物流ターミナル整備事業
費用便益分析シート(割引前)

(機事業:建設期間-10%) 費用便益分析シート(割引後)

EIRR= 44.4% NPV= 1,401 億円
B/C= 11.06

(億円)											(億円)													
割引前											割引後													
年度	施設提供期間	初期投資・更新投資	運営・維持コスト	総費用(C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	埠船コスト削減便益	海陸回遊便益	残存価値	総便益(B)	純便益(B-C)	年度	施設提供期間	社会的割引率	初期投資・更新投資	運営・維持コスト	総費用(C)	海上輸送コスト削減便益	陸上輸送コスト削減便益	埠船コスト削減便益	海陸回遊便益	残存価値	総便益(B)	純便益(B-C)
1983												1983												288
1984												1984												277
1985												1985												267
1986												1986												256
1987												1987												246
1988												1988												237
1989												1989												228
1990												1990												219
1991												1991												211
1992												1992												203
1993												1993												195
1994												1994												187
1995												1995												180
1996												1996												173
1997												1997												167
1998												1998												160
1999												1999												154
2000												2000												148
2001												2001												142
2002												2002												137
2003												2003												132
2004												2004												127
2005												2005												122
2006												2006												117
2007												2007												112
2008												2008												108
2009												2009												104
2010												2010												100
2011		18.2		18.2	1.1	0.0	0.2			1.3	-16.9	2011		0.96	17.4		17.4	1.0	0.0	0.1			1.2	-16.2
2012		14.7		14.7	2.2	0.1	0.3			2.6	-12.1	2012		0.92	13.6		13.6	2.0	0.1	0.3			2.4	-11.2
2013		14.3		14.3	3.3	0.1	0.5			3.8	-10.4	2013		0.88	12.6		12.6	2.9	0.1	0.4			3.4	-9.2
2014		15.2		15.2	4.3	0.2	0.6			5.1	-10.1	2014		0.85	12.9		12.9	3.7	0.1	0.5			4.3	-8.6
2015		17.2		17.2	5.4	0.2	0.8			6.4	-10.8	2015		0.82	14.0		14.0	4.4	0.2	0.6			5.2	-8.8
2016		18.4		18.4	78.6	0.3	0.9		3.9	83.6	65.2	2016		0.78	14.4		14.4	61.5	0.2	0.7		3.0	65.5	51.1
2017		21.0		21.0	79.9	0.3	1.1		3.9	85.1	64.1	2017		0.75	15.7		15.7	60.1	0.2	0.8		2.9	63.9	48.2
2018		22.2		22.2	80.4	0.3	1.2		3.9	85.7	63.5	2018		0.72	16.0		16.0	58.0	0.2	0.9		2.8	61.9	45.8
2019		21.0		21.0	80.9	0.3	1.4		3.9	86.4	65.4	2019		0.69	14.5		14.5	56.0	0.2	0.9		2.7	59.8	45.3
2020	1		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2020	1	0.66		0.4	0.4	54.5	0.2	1.1		2.6	58.3	58.0
2021	2		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2021	2	0.64		0.4	0.4	52.3	0.2	1.1		2.5	56.0	55.7
2022	3		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2022	3	0.61		0.3	0.3	50.2	0.2	1.0		2.4	53.8	53.4
2023	4		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2023	4	0.59		0.3	0.3	48.2	0.2	1.0		2.3	51.6	51.3
2024	5		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2024	5	0.56		0.3	0.3	46.3	0.1	1.0		2.2	49.6	49.2
2025	6		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2025	6	0.54		0.3	0.3	44.4	0.1	0.9		2.1	47.6	47.3
2026	7		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2026	7	0.52		0.3	0.3	42.6	0.1	0.9		2.0	45.7	45.4
2027	8		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2027	8	0.50		0.3	0.3	40.9	0.1	0.8		1.9	43.8	43.6
2028	9		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2028	9	0.48		0.3	0.3	39.3	0.1	0.8		1.8	42.1	41.8
2029	10		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2029	10	0.46		0.3	0.3	37.7	0.1	0.8		1.8	40.4	40.1
2030	11		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2030	11	0.44		0.2	0.2	36.2	0.1	0.8		1.7	38.8	38.5
2031	12		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2031	12	0.42		0.2	0.2	34.8	0.1	0.7		1.6	37.2	37.0
2032	13		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2032	13	0.41		0.2	0.2	33.4	0.1	0.7		1.6	35.7	35.5
2033	14		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2033	14	0.39		0.2	0.2	32.0	0.1	0.7		1.5	34.3	34.1
2034	15		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2034	15	0.38		0.2	0.2	30.8	0.1	0.6		1.4	32.9	32.7
2035	16		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2035	16	0.36		0.2	0.2	29.5	0.1	0.6		1.4	31.6	31.4
2036	17		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2036	17	0.35		0.2	0.2	28.3	0.1	0.6		1.3	30.4	30.2
2037	18		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2037	18	0.33		0.2	0.2	27.2	0.1	0.6		1.3	29.1	29.0
2038	19		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2038	19	0.32		0.2	0.2	26.1	0.1	0.5		1.2	28.0	27.8
2039	20		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2039	20	0.31		0.2	0.2	25.1	0.1	0.5		1.2	26.9	26.7
2040	21		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2040	21	0.29		0.2	0.2	24.1	0.1	0.5		1.1	25.8	25.6
2041	22		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2041	22	0.28		0.2	0.2	23.1	0.1	0.5		1.1	24.8	24.6
2042	23		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2042	23	0.27		0.2	0.2	22.2	0.1	0.5		1.0	23.8	23.6
2043	24		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2043	24	0.26		0.1	0.1	21.3	0.1	0.4		1.0	22.8	22.7
2044	25		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2044	25	0.25		0.1	0.1	20.5	0.1	0.4		1.0	21.9	21.8
2045	26		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2045	26	0.24		0.1	0.1	19.6	0.1	0.4		0.9	21.0	20.9
2046	27		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2046	27	0.23		0.1	0.1	18.8	0.1	0.4		0.9	20.2	20.1
2047	28		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2047	28	0.22		0.1	0.1	18.1	0.1	0.4		0.9	19.4	19.3
2048	29		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2048	29	0.21		0.1	0.1	17.4	0.1	0.4		0.8	18.6	18.5
2049	30		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2049	30	0.20		0.1	0.1	16.7	0.1	0.3		0.8	17.9	17.7
2050	31		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2050	31	0.20		0.1	0.1	16.0	0.1	0.3		0.8	17.1	17.0
2051	32		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2051	32	0.19		0.1	0.1	15.4	0.0	0.3		0.7	16.5	16.4
2052	33		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2052	33	0.18		0.1	0.1	14.8	0.0	0.3		0.7	15.8	15.7
2053	34		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2053	34	0.17		0.1	0.1	14.2	0.0	0.3		0.7	15.2	15.1
2054	35		0.6	0.6	81.9	0.3	1.7		3.9	87.8	87.2	2054	35	0.17		0.1	0.1	13.6	0.0	0.3				

石巻港 雲雀野地区 国際物流ターミナル整備事業
費用便益分析シート(割引前)

(換算年:建設期間+10%)

費用便益分析シート(割引後)

EIRR= 50.8% NPV= 1,421 億円
B/C= 11.65

(億円)										(億円)															
割引前										割引後															
年度	施設供 用期間	初期投資・ 更新投資	運営・維持 コスト	総費用 (C)	海上輸送コ スト削減便 益	陸上輸送コ スト削減便 益	港船コスト削 減便益	海陸回遊便 益	残存価値	総便益 (B)	純便益 (B-C)	年度	施設供 用期間	社会的 割引率	初期投資・ 更新投資	運営・維持 コスト	総費用(C)	海上輸送コ スト削減便 益	陸上輸送コ スト削減便 益	港船コスト削 減便益	海陸回遊便 益	残存価値	総便益 (B)	純便益 (B-C)	
1983												1983													2.88
1984												1984													2.77
1985												1985													2.67
1986												1986													2.56
1987												1987													2.46
1988												1988													2.37
1989												1989													2.28
1990												1990													2.19
1991												1991													2.11
1992												1992													2.03
1993												1993													1.95
1994												1994													1.87
1995												1995													1.80
1996												1996													1.73
1997												1997													1.67
1998												1998													1.60
1999												1999													1.54
2000												2000													1.48
2001												2001													1.42
2002												2002													1.37
2003												2003													1.32
2004												2004													1.27
2005												2005													1.22
2006												2006													1.17
2007												2007													1.12
2008												2008													1.08
2009												2009													1.04
2010												2010													1.00
2011		15.2		15.2	1.1	0.0	0.2			1.3	-13.9	2011		0.96	14.5		14.5	1.0	0.0	0.1			1.2	-13.3	
2012		12.5		12.5	2.2	0.1	0.3			2.6	-9.9	2012		0.92	11.5		11.5	2.0	0.1	0.3			2.4	-9.2	
2013		11.5		11.5	3.3	0.1	0.5			3.8	-7.7	2013		0.88	10.2		10.2	2.9	0.1	0.4			3.4	-6.8	
2014		12.1		12.1	4.3	0.2	0.6			5.1	-7.0	2014		0.85	10.3		10.3	3.7	0.1	0.5			4.3	-5.9	
2015		12.5		12.5	5.4	0.2	0.8			6.4	-6.1	2015		0.82	10.2		10.2	4.4	0.2	0.6			5.2	-5.0	
2016		14.1		14.1	78.6	0.3	0.9	3.9		83.6	69.6	2016		0.78	11.0		11.0	61.5	0.2	0.7	3.0		65.5	54.5	
2017		15.2		15.2	79.9	0.3	1.1	3.9		85.1	69.8	2017		0.75	11.5		11.5	60.1	0.2	0.8	2.9		63.9	52.5	
2018		15.8		15.8	80.4	0.3	1.2	3.9		85.7	70.0	2018		0.72	11.4		11.4	58.0	0.2	0.9	2.8		61.9	50.5	
2019		18.2		18.2	80.9	0.3	1.4	3.9		86.4	68.2	2019		0.69	12.6		12.6	56.0	0.2	0.9	2.7		59.8	47.2	
2020		18.1		18.1	81.4	0.3	1.5	3.9		87.0	69.0	2020		0.66	12.0		12.0	54.1	0.2	1.0	2.6		57.9	45.9	
2021		17.1		17.1	81.4	0.3	1.7	3.9		87.2	70.2	2021		0.64	10.9		10.9	52.0	0.2	1.1	2.5		55.7	44.8	
2022	1		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2022	1	0.61		0.3	0.3	50.2	0.2	1.0	2.4		53.8	53.4	
2023	2		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2023	2	0.59		0.3	0.3	48.2	0.2	1.0	2.3		51.6	51.3	
2024	3		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2024	3	0.56		0.3	0.3	46.3	0.1	1.0	2.2		49.6	49.2	
2025	4		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2025	4	0.54		0.3	0.3	44.4	0.1	0.9	2.1		47.6	47.3	
2026	5		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2026	5	0.52		0.3	0.3	42.6	0.1	0.9	2.0		45.7	45.4	
2027	6		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2027	6	0.50		0.3	0.3	40.9	0.1	0.8	1.9		43.8	43.6	
2028	7		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2028	7	0.48		0.3	0.3	39.3	0.1	0.8	1.8		42.1	41.8	
2029	8		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2029	8	0.46		0.3	0.3	37.7	0.1	0.8	1.8		40.4	40.1	
2030	9		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2030	9	0.44		0.2	0.2	36.2	0.1	0.8	1.7		38.8	38.5	
2031	10		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2031	10	0.42		0.2	0.2	34.8	0.1	0.7	1.6		37.2	37.0	
2032	11		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2032	11	0.41		0.2	0.2	33.4	0.1	0.7	1.6		35.7	35.5	
2033	12		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2033	12	0.39		0.2	0.2	32.0	0.1	0.7	1.5		34.3	34.1	
2034	13		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2034	13	0.38		0.2	0.2	30.8	0.1	0.6	1.4		32.9	32.7	
2035	14		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2035	14	0.36		0.2	0.2	29.5	0.1	0.6	1.4		31.6	31.4	
2036	15		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2036	15	0.35		0.2	0.2	28.3	0.1	0.6	1.3		30.4	30.2	
2037	16		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2037	16	0.33		0.2	0.2	27.2	0.1	0.6	1.3		29.1	29.0	
2038	17		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2038	17	0.32		0.2	0.2	26.1	0.1	0.5	1.2		28.0	27.8	
2039	18		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2039	18	0.31		0.2	0.2	25.1	0.1	0.5	1.2		26.9	26.7	
2040	19		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2040	19	0.29		0.2	0.2	24.1	0.1	0.5	1.1		25.8	25.6	
2041	20		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2041	20	0.28		0.2	0.2	23.1	0.1	0.5	1.1		24.8	24.6	
2042	21		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2042	21	0.27		0.2	0.2	22.2	0.1	0.5	1.0		23.8	23.6	
2043	22		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2043	22	0.26		0.1	0.1	21.3	0.1	0.4	1.0		22.8	22.7	
2044	23		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2044	23	0.25		0.1	0.1	20.5	0.1	0.4	1.0		21.9	21.8	
2045	24		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2045	24	0.24		0.1	0.1	19.6	0.1	0.4	0.9		21.0	20.9	
2046	25		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2046	25	0.23		0.1	0.1	18.8	0.1	0.4	0.9		20.2	20.1	
2047	26		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2047	26	0.22		0.1	0.1	18.1	0.1	0.4	0.9		19.4	19.3	
2048	27		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2048	27	0.21		0.1	0.1	17.4	0.1	0.4	0.8		18.6	18.5	
2049	28		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2049	28	0.20		0.1	0.1	16.7	0.1	0.4	0.8		17.9	17.7	
2050	29		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2050	29	0.20		0.1	0.1	16.0	0.1	0.3	0.8		17.1	17.0	
2051	30		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2051	30	0.19		0.1	0.1	15.4	0.0	0.3	0.7		16.5	16.4	
2052	31		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2052	31	0.18		0.1	0.1	14.8	0.0	0.3	0.7		15.8	15.7	
2053	32		0.6	0.6	81.9	0.3	1.7	3.9		87.8	87.2	2053	32	0.17		0.1									