APPENDIX 11-2

SUMMARY OF TRAFFIC VOLUME ON STUDIED ROADS (MASBATE)

Traffic Volume by Vehicle Type MASBATE

Class of Road	Type of Impr't	Road Number	w/o Car	Jeep-ney	Bus	Truck	Total	Tri-cycle	Motor cycle	Ani-mal	Walk-ing	Boat	with Car	Jeep-ney	Bus	Truck	Total	Tri-cycle	Motor cycle	Ani-mal	Walk-ing	Boat
Primary Major	Rehab/Imp-1	N14-3	5	34	-	13	52	0	12	-	-	-	9	40	1	15	65	0	16	-	-	-
		P17-1	13	17	6	22	58	-	44	-	-	-	18	24	10	24	76	-	60	-	-	-
		P17-2	13	17	6	22	58	-	44	-	-	-	18	24	10	24	77	-	62	-	-	-
		N2-2	61	37	18	60	176	-	28	-	-	-	45	33	17	45	141	-	28	-	-	-
		N1-3	10	19	-	3	32	0	22	-	-	-	14	28	1	5	49	0	27	-	-	-
		N14-2	5	34	-	13	52	0	12	-	-	-	9	41	1	15	66	0	16	-	-	-
		N2-3	32	23	11	42	108	-	17	-	-	-	20	16	9	24	69	-	14	-	-	-
		N14-1	5	34	-	13	52	0	12	-	-	-	10	46	2	17	74	0	19	-	-	-
		N1-2	10	19	-	3	32	0	22	-	-	-	14	27	1	5	47	0	26	-	-	-
		N1-1	10	19	-	3	32	0	22	-	-	-	14	27	1	5	47	0	26	-	-	-
	Imp-2/Widen	N2-1	86	91	13	52	243	-	71	-	-	-	71	79	14	44	208	-	63	-	-	-
		N2-4	32	23	11	42	108	-	17	-	-	-	18	14	7	22	61	-	11	-	-	-
Second'y Major	Rehab/Imp-1	N2-6	-	-	-	-	-	-	-	-	-	-	27	40	1	5	73	-	100	204	-	-
		B15-1	63	-	-	-	63	0	12	-	-	-	77	8	1	2	87	0	16	-	-	-
		B6-2	3	1	-	-	5	-	20	30	124	-	7	11	-	1	19	-	8	-	-	-
		B11-1	6	5	-	0	11	-	24	18	71	-	9	12	-	2	23	-	8	-	-	-
		P31-1	8	48	2	10	68	0	35	-	-	-	16	61	4	14	94	0	41	-	-	-
		P29-3	4	1	-	-	5	-	20	40	114	-	10	14	-	2	25	-	12	-	-	-
		B3-1	-	-	-	-	-	-	-	-	-	-	2	6	0	0	9	0	21	16	-	-
		B11-2	1	-	-	-	1	-	7	20	73	-	6	6	-	1	12	-	5	-	7	-
		B12-1	4	-	-	-	4	-	20	61	189	-	16	13	-	2	31	-	10	-	16	-
		N10-1	5	4	-	0	9	-	25	10	103	-	8	14	-	1	24	-	9	-	-	-
		N2-5	7	17	2	2	29	0	22	-	-	-	23	51	5	11	91	-	32	-	-	-
		P21-1	2	50	-	7	59	0	61	-	-	-	11	68	3	12	93	0	69	-	-	-
	Imp-2/Widen	N8-1	24	16	-	1	41	-	134	21	530	-	34	67	-	3	104	-	52	-	-	-
	New Const.	B0-1	-	-	-	-	-	-	-	-	-	-	27	40	1	5	73	-	100	204	-	-
		B16-1	-	-	-	-	-	-	28	156	369	-	23	26	-	5	55	-	23	-	-	-
		B1-1	-	-	-	-	-	-	-	-	-	-	3	8	0	1	12	0	30	22	-	-
		B14-2	-	-	-	-	-	-	10	68	63	-	7	3	-	2	12	-	5	-	-	-
		B1-2	-	-	-	-	-	-	-	-	-	-	3	8	0	1	12	0	30	22	-	-
		B14-1	-	-	-	-	-	-	17	94	144	-	12	10	-	3	24	-	8	-	-	-
		B10-1	1	-	-	-	1	-	7	17	90	-	5	8	-	1	14	-	7	-	-	-

Traffic Volume by Vehicle Type MASBATE

Class of Road	Type of Impr't	Road Number	w/o										with									
			Car	Jeep-ney	Bus	Truck	Total	Tri-cycle	Motor cycle	Ani-mal	Walk-ing	Boat	Car	Jeep-ney	Bus	Truck	Total	Tri-cycle	Motor cycle	Ani-mal	Walk-ing	Boat
Minor (Nat'l/ Prov'l)	Rehab/ Imp-1	P27-1	-	-	-	-	-	-	9	63	69	-	6	4	-	2	12	-	3	-	-	-
		P29-1	-	-	-	-	-	-	19	101	314	-	16	22	-	3	41	-	17	-	-	-
		P15-1	5	3	-	-	8	-	27	30	161	-	9	9	-	1	20	-	21	-	80	-
		P19-1	5	3	-	0	8	-	28	4	116	4	8	8	-	0	16	-	23	-	71	-
		P25-1	10	10	-	0	21	-	10	2	14	-	7	12	-	0	19	-	14	-	-	-
		P16-1	1	1	-	0	2	-	1	1	1	-	1	1	-	0	2	-	1	-	-	-
Minor (Baran-gay)	Rehab/ Imp-1	B5-4	18	12	-	3	33	-	32	-	82	-	18	19	-	4	41	-	14	-	-	-
		B9-1	6	1	-	-	8	-	31	68	172	-	19	15	-	2	36	-	24	-	19	-
		B20-3	3	0	-	-	3	-	12	43	47	-	6	3	-	1	10	-	7	-	2	-
		B14-3	-	-	-	-	-	-	9	51	51	-	5	3	-	1	9	-	7	-	2	-
		B3-2	5	4	-	0	9	-	13	10	20	-	6	7	-	1	14	-	6	-	-	-
		B12-3	-	-	-	-	-	-	7	25	145	-	11	10	-	0	22	-	6	-	15	-
		B12-2	-	-	-	-	-	-	8	44	71	-	6	5	-	1	12	-	4	-	-	-
		B2-2	-	-	-	-	-	-	4	19	109	-	7	6	-	0	13	-	6	-	9	-
		B5-5	5	4	-	-	9	-	25	23	137	-	10	15	-	1	26	-	10	-	-	-
		B0-3	-	-	-	-	-	-	2	9	41	-	3	3	-	0	6	-	3	-	4	-
		B11-6	2	0	-	-	3	-	10	20	58	-	6	5	-	1	12	-	5	-	7	-
		B0-4	-	-	-	-	-	-	2	14	39	-	4	3	-	0	7	-	2	-	4	-
		B8-3	-	-	-	-	-	-	4	21	54	-	4	4	-	0	8	-	6	-	4	-
		B16-2	1	0	-	-	1	-	3	4	13	-	2	2	-	0	4	-	2	-	2	-
	New Const.	B0-2	-	-	-	-	-	-	6	33	127	-	9	8	-	1	18	-	10	-	11	-
		B8-2	-	-	-	-	-	-	7	37	109	-	6	8	-	1	15	-	7	-	-	-
		B5-2	-	-	-	-	-	-	5	30	63	-	5	4	-	1	10	-	4	-	5	-
		B20-1	-	-	-	-	-	-	8	48	42	-	6	4	-	1	10	-	9	-	3	-
		B8-4	-	-	-	-	-	-	5	28	23	-	3	1	-	1	5	-	1	-	-	-
		B16-3	-	-	-	-	-	-	3	20	22	-	2	2	-	0	5	-	5	-	1	-
		B5-1	-	-	-	-	-	-	7	40	95	-	6	8	-	1	14	-	12	-	-	-
		B15-2	-	-	-	-	-	-	4	34	41	-	6	3	-	1	9	-	10	-	2	-
		B2-1	0	-	-	-	0	-	1	6	29	6	3	2	-	0	6	-	4	-	3	-

APPENDIX 11-3

PROPOSED IMPROVEMENT (MASBATE)

MASBATE

Primary Major

Type of Impr't	Road Number	Length (km)	1992 AADT w/o	1992 AADT with	Existing Condition L	Existing Condition Width	Existing Condition Type Condition	Proposed Improvement	Proposed Bridge (Number/Total Length)	Cost (Million Peso) Road	Cost (Million Peso) Bridge	Cost (Million Peso) Total	IRR (%)
Rehab/ Imp-1	N14-3	18.9	52	65	18.1 .8	4.0-6.5 4.0	EAR V.Bad GRV Bad	Imp-1(6.0-GRV) Rehab(6.0-GRV)	2-lane Br (n= 3,L= 68m)	12.72	4.98	17.70	20.8 (T)
	P17-1	10.6	58	75	10.6	3.6-4.5	GRV Bad/V.Bad	Rehab(6.0-GRV)	2-lane Br (n= 6,L= 95m)	7.62	7.53	15.15	13.4 (T)
	P17-2	8.3	58	77	8.3	4.0-4.5	GRV V.Bad	Rehab(6.0-GRV)	2-lane Br (n= 3,L= 40m)	10.10	3.34	13.44	11.8 (T)
	N2-2	18.3	176	141	8.6 9.7	5.0-6.0 4.5-5.5	GRV Fair GRV Bad/V.Bad	Imp-2(6.0-BMP) Imp-1(6.0-BMP)	2-lane Br (n= 4,L= 60m)	39.37	4.71	44.08	10.7 (T)
	N1-3	26.0	32	49	5.1 20.9	4.6 4.5	GRV Bad EAR Bad/V.Bad	Rehab(6.0-GRV) Imp-1(6.0-GRV)	2-lane Br (n=10,L=175m)	27.30	13.05	40.36	9.9 (T)
	N14-2	5.4	52	66	2.8 2.6	5.5 5.5	GRV V.Bad EAR V.Bad	Rehab(6.0-GRV) Imp-1(6.0-GRV)	2-lane Br (n= 4,L= 70m)	5.14	5.37	10.51	9.6 (T)
	N2-3	9.1	108	69	9.1	3.2-3.6	GRV Bad/V.Bad	Imp-1(6.0-BMP)	2-lane Br (n= 3,L= 40m)	17.71	3.34	21.04	6.7 (T)
	N14-1	8.5	52	74	8.5	5.5	GRV Bad/V.Bad	Rehab(6.0-GRV)		8.00	.00	8.00	5.4 (T)
	N1-2	4.2	32	47	4.2	4.6	GRV Bad/V.Bad	Rehab(6.0-GRV)		4.78	.00	4.78	3.5 (T)
	N1-1	12.9	32	47	7.4 5.5	5.5 5.6	GRV Fair GRV Bad	- Rehab(6.0-GRV)	2-lane Br (n= 6,L=150m)	3.93	10.26	14.19	1.3 (T)
Imp-2/ Widen	N2-1	2.5	243	208	2.5	6.0	GRV Fair	Imp-2(6.0-BMP)	2-lane Br (n= 2,L= 63m)	3.91	4.20	8.11	17.6 (T)
	N2-4	19.9	108	61	19.9	4.0-5.5	GRV Fair	Imp-2(6.0-BMP)	2-lane Br (n=11,L=255m)	38.47	17.87	56.34	2.7 (T)

(T):Traffic Project
(D):Development Project

MASBATE

Secondary Major

Type of Impr't	Road Number	Length (Km)	1992 AADT w/o	1992 AADT with	Existing Condition L	Width	Type Condition	Proposed Improvement	Proposed Bridge (Number/Total Length)	Cost (Million Peso) Road	Bridge	Total	IRR (%)
Rehab/ Imp-1	N2-6	4.1	0	73	4.1	4.0-4.6	GRV Bad/V.Bad	Rehab(6.0-GRV)	2-lane Br (n= 3,L= 45m)	4.14	3.54	7.67	66.0 (T)
	B15-1	21.3	63	87	20.6	3.2-4.5	EAR Bad/V.Bad	Imp-1(6.0-GRV)	2-lane Br (n= 3,L= 66m)	21.76	4.20	25.95	27.1 (T)
					.7		None	New-C(6.0-GRV)					
	B6-2	1.6	5	19	1.6	4.0	GRV Bad	Rehab(4.0-GRV)		.76	.00	.76	22.7 (D)
	B11-1	10.6	11	23	3.3	4.6	GRV V.Bad	Rehab(4.0-GRV)	1-lane Br (n= 2,L= 40m)	4.49	2.02	6.51	20.8 (D)
					7.3	4.5-5.0	EAR V.Bad	Imp-1(4.0-GRV)					
	P31-1	13.8	68	94	6.0	4.0-4.5	GRV Bad	Rehab(6.0-GRV)		10.00	.00	10.00	20.0 (T)
					7.8	3.2-4.5	EAR Bad/V.Bad	Imp-1(6.0-GRV)					
	P29-3	14.5	6	26	1.1	4.0	GRV Bad	Rehab(6.0-GRV)		8.74	.00	8.74	19.8 (D)
					6.9	4.0	EAR V.Bad	Imp-1(6.0-GRV)					
					6.5		None	New-C(6.0-GRV)					
	B3-1	20.0	0	9	10.1	4.0	EAR V.Bad	Imp-1(4.0-GRV)	1-lane Br (n= 3,L= 90m)	16.76	4.30	21.06	11.3 (T)
					9.9		None	New-C(4.0-GRV)					
	B11-2	11.1	1	12	6.1	4.6	EAR V.Bad	Imp-1(4.0-GRV)	1-lane Br (n= 2,L= 50m)	4.76	2.50	7.26	9.2 (D)
					5.0		None	New-C(4.0-GRV)					
	B12-1	15.0	4	31	3.2	4.5	GRV V.Bad	Rehab(4.0-GRV)	1-lane Br (n= 3,L=130m)	16.47	5.87	22.35	8.7 (D)
					5.3	4.0	EAR V.Bad	Imp-1(4.0-GRV)					
					6.6		None	New-C(4.0-GRV)					
	N10-1	3.0	9	24	3.0	4.5-5.0	GRV Bad/V.Bad	Rehab(6.0-GRV)	2-lane Br (n= 3,L= 55m)	2.25	3.94	6.19	7.0 (D)
	N2-6	16.3	29	91	14.8	3.2-4.5	GRV Bad/V.Bad	Rehab(6.0-GRV)	2-lane Br (n=13,L=150m)	14.34	13.52	27.86	5.2 (T)
					1.5	4.0	GRV Fair	Widen(6.0-GRV)					
	P21-1	2.9	69	93	1.8	5.8-5.9	PCC Good	-		.69	.00	.69	.0 (T)
					1.1	5.7	GRV Bad	Rehab(6.0-GRV)					
Imp-2/ Widen	N8-1	6.9	41	104	.6	5.5	GRV Fair	-		3.59	.00	3.59	35.8 (D)
					6.3	4.5	GRV Fair	Widen(6.0-GRV)					
New Const.	B0-1	17.6	0	73	6.8	3.2-4.5	EAR V.Bad	Imp-1(6.0-GRV)	2-lane Br (n= 3,L= 40m)	16.65	3.34	19.99	34.3 (T)
					10.8		None	New-C(6.0-GRV)					
	B16-1	23.3	0	86	2.6	4.0-4.5	EAR Bad/V.Bad	Imp-1(6.0-GRV)	1-lane Br (n= 3,L=240m)	23.69	10.11	33.80	25.5 (D)
					5.1		None	New-C(6.0-GRV)					
					15.0		None	New-C(4.0-GRV)					
					.6	4.0	GRV Bad	Rehab(4.0-GRV)					
	B1-1	14.9	0	12	1.6	3.2-4.5	GRV Bad/V.Bad	Rehab(4.0-GRV)		22.44	.00	22.44	13.2 (D)
					13.3		None	New-C(4.0-GRV)					
	B14-2	10.0	0	12	10.0		None	New-C(4.0-GRV)		14.31	.00	14.31	11.8 (D)
	B1-2	3.0	0	12	3.0		None	New-C(4.0-GRV)		5.67	.00	5.67	10.1 (D)
	B14-1	10.2	0	24	2.2	1.6-4.0	GRV V.Bad	Rehab(4.0-GRV)		15.20	.00	15.20	9.3 (D)
					1.1	1.6-2.4	EAR V.Bad	Imp-1(4.0-GRV)					
					6.9		None	New-C(4.0-GRV)					
	B10-1	15.0	1	14	1.4	4.0	EAR V.Bad	Imp-1(4.0-GRV)	1-lane Br (n= 2,L= 45m)	19.01	2.36	21.37	1.5 (D)
					12.2		None	New-C(4.0-GRV)					
					1.4	4.0	GRV V.Bad	Rehab(4.0-GRV)					

(T):Traffic Project
(D):Development Project

MASBATE

Minor(National/Provincial)

Type of Impr't	Road Number	Length (km)	1992 AADT w/o	1992 AADT with	Existing Condition L	Width	Type Condition	Proposed Improvement	Proposed Bridge (Number/Total Length)	Cost (Million Peso) Road	Bridge	Total	IRR (%)
Rehab/ Imp-1	P27-1	3.7	0	12	3.7	3.2-3.6	EAR V.Bad	Imp-1(4.0-GRV)		1.71	.00	1.71	32.0 (D)
	P29-1	8.6	0	41	1.5	3.6-4.0	GRV Bad/V.Bad	Rehab(4.0-GRV)		4.57	.00	4.57	23.7 (D)
					7.1	2.4-4.0	EAR V.Bad	Imp-1(4.0-GRV)					
	P15-1	3.3	8	20	3.3	4.5-4.7	GRV Bad	Rehab(4.0-GRV)		1.93	.00	1.93	9.5 (D)
	P19-1	.7	8	16	.7	3.2	GRV Bad	Rehab(4.0-GRV)		.33	.00	.33	6.1 (D)
	P25-1	2.6	21	19	2.6	4.5	GRV Bad	Rehab(4.0-GRV)		1.08	.00	1.08	3.3 (D)
	P15-1	.7	2	2	.7	4.0	EAR V.Bad	Imp-1(4.0-GRV)		.29	.00	.29	.0 (D)

(T):Traffic Project
(D):Development Project

MASBATE

Minor(Barangay)

Type of Impr't	Road Number	Length (km)	1992 AADT w/o	1992 AADT with	Existing Condition L	Existing Condition Width	Existing Condition Type Condition	Proposed Improvement	Proposed Bridge (Number/Total Length)	Cost (Million Peso) Road	Cost (Million Peso) Bridge	Cost (Million Peso) Total	IRR (%)
Rehab/ Imp-1	B5-4	4.5	33	41	4.5	4.5	EAR V.Bad	Imp-1(4.0-GRV)		2.18	.00	2.18	36.1 (D)
	B9-1	15.4	8	36	8.4 7.0	2.4-4.0	EAR V.Bad None	Imp-1(4.0-GRV) New-C(4.0-GRV)		7.00	.00	7.00	28.8 (D)
	B20-3	1.4	3	10	1.4	4.5	EAR V.Bad	Imp-1(4.0-GRV)		.65	.00	.65	20.4 (D)
	B14-3	4.0	0	9	.3 1.8 1.9	4.0 3.2	GRV V.Bad EAR V.Bad None	Rehab(4.0-GRV) Imp-1(4.0-GRV) New-C(4.0-GRV)		2.38	.00	2.38	17.5 (D)
	B3-2	7.5	9	14	5.1 2.4	4.5	EAR V.Bad None	Imp-1(4.0-GRV) New-C(4.0-GRV)		3.14	.00	3.14	16.8 (D)
	B12-3	2.6	0	22	2.6	4.0	GRV V.Bad	Rehab(4.0-GRV)		1.29	.00	1.29	16.0 (D)
	B12-2	7.2	0	12	5.0 2.2	4.5	EAR V.Bad None	Imp-1(4.0-GRV) New-C(4.0-GRV)	1-lane Sp (n= 3,L= 65m)	3.97	.74	4.71	15.0 (D)
	B2-2	1.6	0	13	1.6	4.0	GRV Bad	Rehab(4.0-GRV)		.72	.00	.72	15.8 (D)
	B5-5	8.0	9	26	8.0	4.5	GRV V.Bad	Rehab(4.0-GRV)	1-lane Sp (n= 1,L= 30m)	3.43	.34	3.77	14.9 (D)
	B0-3	1.1	0	6	.9 .2	4.5 4.5	EAR V.Bad GRV V.Bad	Imp-1(4.0-GRV) Rehab(4.0-GRV)		.48	.00	.48	11.6 (D)
	B11-6	3.1	3	12	3.1	3.2-4.0	GRV Bad/V.Bad	Rehab(4.0-GRV)		1.68	.00	1.68	10.5 (D)
	B0-4	3.2	0	7	3.2	4.0	EAR V.Bad	Imp-1(4.0-GRV)	1-lane Sp (n= 1,L= 20m)	1.81	.23	2.04	9.9 (D)
	B8-3	5.0	0	8	2.8 2.2	1.6-4.0	EAR Bad/V.Bad None	Imp-1(4.0-GRV) New-C(4.0-GRV)		3.17	.00	3.17	5.6 (D)
	B16-2	.9	1	4	.9	4.0	EAR V.Bad	Imp-1(4.0-GRV)		.41	.00	.41	4.8 (D)
New Const.	B0-2	2.0	0	18	.3 .4 1.3	4.0 4.0	GRV Fair GRV V.Bad None	- Rehab(4.0-GRV) New-C(4.0-GRV)		.82	.00	.82	32.8 (D)
	B8-2	9.8	0	16	.6 9.2	2.4-3.2	EAR Bad/V.Bad None	Imp-1(4.0-GRV) New-C(4.0-GRV)		4.30	.00	4.30	23.6 (D)
	B5-2	5.5	0	10	.2 5.3	3.2	EAR V.Bad None	Imp-1(4.0-GRV) New-C(4.0-GRV)		3.06	.00	3.06	16.9 (D)
	B20-1	5.0	0	10	5.0		None	New-C(4.0-GRV)		3.06	.00	3.06	14.6 (D)
	B8-4	3.0	0	5	3.0		None	New-C(4.0-GRV)		1.92	.00	1.92	11.7 (D)
	B15-3	1.5	0	5	1.5		None	New-C(4.0-GRV)		.96	.00	.96	7.9 (D)
	B6-1	11.4	0	14	3.7 7.7	1.6-2.4	EAR V.Bad None	Imp-1(4.0-GRV) New-C(4.0-GRV)		7.75	.00	7.75	7.3 (D)
	B15-2	15.0	0	9	15.0		None	New-C(4.0-GRV)		9.59	.00	9.59	5.7 (D)
	B2-1	5.3	0	5	.3 5.0	3.2	GRV Bad None	Rehab(4.0-GRV) New-C(4.0-GRV)		3.34	.00	3.34	4.5 (D)

(T):Traffic Project
(D):Development Project

APPENDIX 11-4

QUANTITY AND CONSTRUCTION COST (MASBATE)

Quantity and Construction Cost MASBATE

	Unit	N14-3	P17-1	P17-2	N2-2	N1-3	N14-2	N2-3	N14-1	N1-2	N1-1	N2-1
Total Road Length	km	18.9	10.6	8.3	18.3	26.0	5.4	9.1	8.5	4.2	12.9	2.5
Improvement Length	km	18.9	10.6	8.3	18.3	26.0	5.4	9.1	8.5	4.2	5.5	2.5
Proposed Pavement Type		6.0-GRV	6.0-GRV	6.0-GRV	6.0-BMP	6.0-GRV	6.0-GRV	6.0-BMP	6.0-GRV	6.0-GRV	6.0-GRV	6.0-BMP
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	-	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	14175	12465	18736	129220	-	300	43297	-	-	3750	4005
107 Borrow	m3	16379	8819	38876	1318	125190	19401	-	32428	20223	7858	-
108 Aggregate Subbase	m3	12474	6996	5478	31390	17160	3664	18635	5610	2772	3630	4623
118-1 Preparation of Prev.Road(Grvl)	m2	124740	69240	45750	120520	156000	35640	74684	56100	25200	36300	15000
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	-	-	-	-	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	-	-	18721	-	-	9309	-	-	-	2558
300 Crushed Aggr. Surface Course	m3	16830	9540	7470	-	22950	4680	-	7560	3420	4950	-
302 Bituminous Prime Coat	M.T.	-	-	-	132	-	-	66	-	-	-	18
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	-	-	109800	-	-	54800	-	-	-	15000
310 Bitum.Concrete Surface Course	M.T.	-	-	-	-	-	-	-	-	-	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	1200	-	-	-	3000	1200	-	600	2400	-	-
413-1 RCPC (dia.910mm)	m	570	315	255	555	780	165	270	255	120	165	75
413-2 Headwall for RCPC (dia.910mm)	Set	38	21	17	37	52	11	18	17	8	11	5
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	-	1200	1950	16200	-	-	3900	-	-	-	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	68	95	40	60	175	70	40	-	-	150	63
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	6	12	6	8	20	8	6	-	-	12	4
1-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Pier	Each	2	1	-	-	1	1	-	-	-	3	2
1-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous	l.s.	1	1	1	1	1	1	1	1	1	1	1
Road Construction Cost	M.p.	12.72	7.62	10.10	39.37	27.30	5.14	17.71	8.00	4.78	3.93	3.91
Bridge Construction Cost	M.p.	4.98	7.53	3.34	4.71	13.05	5.37	3.34	.00	.00	10.26	4.20
Total Construction Cost	M.p.	17.70	15.15	13.44	44.08	40.35	10.51	21.04	8.00	4.78	14.19	8.11
Road Construction Cost/Impr't km	M.p.	.67	.72	1.22	2.15	1.05	.95	1.95	.94	1.14	.72	1.56
Total Construction Cost/Total km	M.p.	.94	1.43	1.62	2.41	1.55	1.95	2.31	.94	1.14	1.10	3.24

Quantity and Construction Cost MASBATE

	Unit	N2-4	N2-6	B16-1	B6-2	B11-1	P31-1	P29-3	B3-1	B11-2	B12-1	N10-1
Total Road Length	km	19.9	4.1	21.3	1.6	10.6	13.8	14.5	20.0	11.1	15.0	3.0
Improvement Length	km	19.9	4.1	21.3	1.6	10.5	13.8	14.5	20.0	11.1	15.0	3.0
Proposed Pavement Type		6.0-BMP	6.0-GRV	6.0-GRV	4.0-GRV	4.0-GRV	6.0-GRV	6.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	6.0-GRV
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	-	-	-	198000	-	162500	-
102 Stripping	m3	-	-	-	-	-	-	-	20790	-	17550	-
105 Roadway & Drainage Excavation	m3	112620	21667	116650	300	6328	21368	10875	17475	8325	108130	3755
107 Borrow	m3	-	3015	7185	1704	2960	5713	4568	54875	3497	10729	1005
108 Aggregate Subbase	m3	38063	2706	14058	736	4876	9108	9570	9200	5106	6900	1980
118-1 Preparation of Prev.Road(Grvl)	m2	89650	22250	118680	7360	48760	87040	95700	46460	51060	38740	18760
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	-	-	-	-	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	20358	-	-	-	-	-	-	-	-	-	-
300 Crushed Aggr. Surface Course	m3	-	3690	18630	960	6300	11862	13050	12000	6660	8556	2529
302 Bituminous Prime Coat	M.T.	143	-	-	-	-	-	-	-	-	-	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	119400	-	-	-	-	-	-	-	-	-	-
310 Bitum.Concrete Surface Course	M.T.	-	-	-	-	-	-	-	-	-	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	3600	-	400	3720	-	-	-	2960	1140
413-1 RCPC (dia.910mm)	m	600	120	645	24	168	420	436	610	176	526	90
413-2 Headwall for RCPC (dia.910mm)	Set	40	8	43	3	21	28	29	50	22	43	6
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	8200	1460	8000	-	-	650	-	3960	-	5850	400
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	255	45	65	-	-	-	-	-	-	-	55
1-lane Bridge,Superstructure	m	-	-	-	-	40	-	-	90	50	130	-
2-lane Bridge,Abutment	Each	22	6	6	-	-	-	-	-	-	-	6
1-lane Bridge,Abutment	Each	-	-	-	-	4	-	-	6	4	6	-
2-lane Bridge,Pier	Each	5	-	1	-	-	-	-	-	-	-	-
1-lane Bridge,Pier	Each	-	-	-	-	-	-	-	2	1	4	-
2-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous	l.s.	1	1	1	1	1	1	1	1	1	1	1
Road Construction Cost	M.p.	38.47	4.14	21.76	.76	4.49	10.00	8.74	16.76	4.75	15.47	2.25
Bridge Construction Cost	M.p.	17.87	3.54	4.20	.00	2.02	.00	.00	4.30	2.50	5.87	3.94
Total Construction Cost	M.p.	56.34	7.67	25.95	.76	6.51	10.00	8.74	21.06	7.25	22.35	6.19
Road Construction Cost/Impr't km	M.p.	1.93	1.01	1.02	.47	.42	.72	.60	.84	.43	1.10	.75
Total Construction Cost/Total km	M.p.	2.83	1.87	1.22	.47	.61	.72	.60	1.05	.65	1.49	2.06

Quantity and Construction Cost MASBATE

	Unit	N2-6	P21-1	N8-1	B0-1	B16-1	B1-1	B14-2	B1-2	B14-1	B10-1	P27-1
Total Road Length	km	16.3	2.9	6.9	17.6	23.3	14.9	10.0	3.0	10.2	15.0	3.7
Improvement Length	km	16.3	1.1	6.3	17.6	23.3	14.9	10.0	3.0	10.2	15.0	3.7
Proposed Pavement Type		6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV 4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	300000	250000	220000	75000	172500	268400	-
102 Stripping	m3	-	-	-	-	31500	27000	24000	8100	18630	29280	-
105 Roadway & Drainage Excavation	m3	76742	825	3591	43673	21225	185920	70000	45000	120520	87050	5813
107 Borrow	m3	6162	622	7634	5147	80465	14266	23150	3945	10241	30675	1011
108 Aggregate Subbase	m3	10158	726	1323	11616	12258	6854	4600	1380	4692	6900	1702
118-1 Preparation of Prev.Road(Grvl)	m2	85900	7260	28350	104100	53580	17600	-	-	11520	12880	14440
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	-	-	-	-	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	-	-	-	-	-	-	-	-	-	-
300 Crushed Aggr. Surface Course	m3	14670	990	5670	13482	16290	8886	6000	1800	5994	8844	2220
302 Bituminous Prime Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	-	-	-	-	-	-	-	-	-	-
310 Bitum.Concrete Surface Course	M.T.	-	-	-	-	-	-	-	-	-	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	15720	-	360	-	-	840	1040	-
413-1 RCPC (dia.910mm)	m	495	30	195	525	916	680	600	180	476	783	56
413-2 Headwall for RCPC (dia.910mm)	Set	33	2	13	35	62	50	40	12	35	55	7
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	3300	-	-	4100	6000	9000	7000	2700	6210	8540	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	150	-	-	40	-	-	-	-	-	-	-
1-lane Bridge,Superstructure	m	-	-	-	-	240	-	-	-	-	45	-
2-lane Bridge,Abutment	Each	26	-	-	6	-	-	-	-	-	-	-
1-lane Bridge,Abutment	Each	-	-	-	-	6	-	-	-	-	4	-
2-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Pier	Each	-	-	-	-	9	-	-	-	-	1	-
2-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous	l.s.	1	1	1	1	1	1	1	1	1	1	1
Road Construction Cost	M.p.	14.34	.69	3.59	16.66	23.69	22.44	14.31	5.57	15.20	19.01	1.71
Bridge Construction Cost	M.p.	13.52	.00	.00	3.34	10.11	.00	.00	.00	.00	2.35	.00
Total Construction Cost	M.p.	27.86	.69	3.59	19.99	33.80	22.44	14.31	5.57	15.20	21.36	1.71
Road Construction Cost/Impr't km	M.p.	.88	.62	.57	.95	1.02	1.51	1.43	1.86	1.49	1.27	.46
Total Construction Cost/Total km	M.p.	1.71	.24	.52	1.14	1.45	1.51	1.43	1.86	1.49	1.42	.46

Quantity and Construction Cost MASBATE

	Unit	P29-1	P15-1	P19-1	P25-1	P16-1	B6-4	B9-1	B20-3	B14-3	B3-2	B12-3
Total Road Length	km	8.6	3.3	.7	2.6	.7	4.5	15.4	1.4	4.0	7.5	2.6
Improvement Length	km	8.6	3.3	.7	2.6	.7	4.5	15.4	1.4	4.0	7.5	2.6
Proposed Pavement Type		4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	-	-	-	-	28500	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	2850	-	-
105 Roadway & Drainage Excavation	m3	11256	567	1313	-	525	2700	17513	-	6325	-	2501
107 Borrow	m3	2303	3297	192	819	221	1968	4655	1491	1725	2363	695
108 Aggregate Subbase	m3	3956	1518	322	1196	322	2070	7084	644	1840	3460	1195
118-1 Preparation of Prev.Road(Grvl)	m2	37100	16180	2110	11960	3220	20700	61650	6440	9660	34500	11630
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	-	-	-	-	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	-	-	-	-	-	-	-	-	-	-
300 Crushed Aggr. Surface Course	m3	4638	1692	420	1500	420	2520	9120	840	2220	4320	1440
302 Bituminous Prime Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	-	-	-	-	-	-	-	-	-	-
310 Bitum.Concrete Surface Course	M.T.	-	-	-	-	-	-	-	-	-	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	3480	1920	-	400	-	1200	800	-	1200	1200	800
413-1 RCPC (dia.910mm)	m	136	56	8	40	8	72	248	24	96	120	40
413-2 Headwall for RCPC (dia.910mm)	Set	17	7	1	5	1	9	31	3	12	15	5
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous	l.s.	1	1	1	1	1	1	1	1	1	1	1
Road Construction Cost	M.p.	4.67	1.93	.33	1.08	.29	2.18	7.00	.65	2.38	3.14	1.29
Bridge Construction Cost	M.p.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total Construction Cost	M.p.	4.57	1.93	.33	1.08	.29	2.18	7.00	.65	2.38	3.14	1.29
Road Construction Cost/Impr't km	M.p.	.53	.58	.47	.42	.42	.49	.45	.47	.60	.42	.50
Total Construction Cost/Total km	M.p.	.53	.58	.47	.42	.42	.49	.45	.47	.60	.42	.50

Quantity and Construction Cost MASBATE

	Unit	B12-2	B2-2	B5-5	B0-3	B11-6	B0-4	B8-3	B16-2	B0-2	B8-2	B5-2
Total Road Length	km	7.2	1.6	8.0	1.1	3.1	3.2	5.0	.9	2.0	9.8	5.5
Improvement Length	km	7.2	1.6	8.0	1.1	3.1	3.2	5.0	.9	1.7	9.8	5.5
Proposed Pavement Type		4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV
Quantity												
100 Clearing & Grubbing	m2	30000	-	-	-	-	-	33000	-	-	-	57600
102 Stripping	m3	3000	-	-	-	-	-	3300	-	-	-	5760
105 Roadway & Drainage Excavation	m3	9014	1200	6000	390	5138	2400	8726	676	2044	10050	5550
107 Borrow	m3	1969	904	2520	245	845	1008	1833	509	389	2872	2888
108 Aggregate Subbase	m3	3312	736	3680	506	1426	1472	2300	414	782	4508	2530
118-1 Preparation of Prev.Road(Grvl)	m2	23920	7360	36800	5060	11760	14720	11580	4140	7430	41040	3100
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	-	-	-	-	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	-	-	-	-	-	-	-	-	-	-
300 Crushed Aggr. Surface Course	m3	3924	960	4800	624	1680	1578	2622	540	960	5880	3210
302 Bituminous Prime Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	-	-	-	-	-	-	-	-	-	-
310 Bitum.Concrete Surface Course	M.T.	-	-	-	-	-	-	-	-	-	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	2640	-	-	240	1200	2280	2520	-	400	-	600
413-1 RCPC (dia.910mm)	m	144	24	128	16	48	48	120	16	24	160	160
413-2 Headwall for RCPC (dia.910mm)	Set	18	3	16	2	6	6	15	2	3	20	20
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Spillway	m	65	-	30	-	-	20	-	-	-	-	-
Miscellaneous	l.s.	1	1	1	1	1	1	1	1	1	1	1
Road Construction Cost	M.p.	3.97	.72	3.43	.48	1.68	1.81	3.17	.41	.82	4.30	3.06
Bridge Construction Cost	M.p.	.74	.00	.34	.00	.00	.23	.00	.00	.00	.00	.00
Total Construction Cost	M.p.	4.71	.72	3.77	.48	1.68	2.04	3.17	.41	.82	4.30	3.06
Road Construction Cost/Impr't km	M.p.	.55	.45	.43	.44	.54	.57	.63	.46	.49	.44	.55
Total Construction Cost/Total km	M.p.	.65	.45	.47	.44	.54	.64	.63	.46	.41	.44	.55

Quantity and Construction Cost MASBATE

	Unit	B20-1	B8-4	B15-3	B5-1	B15-2	B2-1
Total Road Length	km	5.0	3.0	1.5	11.4	15.0	5.3
Improvement Length	km	5.0	3.0	1.5	11.4	15.0	5.3
Proposed Pavement Type		4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV
Quantity							
100 Clearing & Grubbing	m2	64500	45000	22500	115500	225000	75000
102 Stripping	m3	6450	4500	2250	11550	22500	7500
105 Roadway & Drainage Excavation	m3	11613	7500	3750	23376	37500	13063
107 Borrow	m3	2071	1245	623	12589	6225	2136
108 Aggregate Subbase	m3	2300	1380	690	5244	6900	2438
118-1 Preparation of Prev.Road(Grvl)	m2	2530	-	-	7460	-	990
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	-	-	-	-	-
300 Crushed Aggr. Surface Course	m3	3000	1800	900	6652	9000	3180
302 Bituminous Prime Coat	M.T.	-	-	-	-	-	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	-	-	-	-	-
310 Bitum.Concrete Surface Course	M.T.	-	-	-	-	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	1920	-	-
413-1 RCPC (dia.910mm)	m	144	96	48	304	480	168
413-2 Headwall for RCPC (dia.910mm)	Set	18	12	6	38	60	21
500 Grouted Riprap	m3	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	-	-	-	-	-	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	-	-	-	-	-	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	-	-	-	-	-	-
1-lane Bridge,Abutment	Each	-	-	-	-	-	-
2-lane Bridge,Pier	Each	-	-	-	-	-	-
1-lane Bridge,Pier	Each	-	-	-	-	-	-
2-lane Spillway	m	-	-	-	-	-	-
1-lane Spillway	m	-	-	-	-	-	-
Miscellaneous	l.s.	1	1	1	1	1	1
Road Construction Cost	M.p.	3.06	1.92	.96	7.75	9.59	3.34
Bridge Construction Cost	M.p.	.00	.00	.00	.00	.00	.00
Total Construction Cost	M.p.	3.06	1.92	.96	7.75	9.59	3.34
Road Construction Cost/Impr't km	M.p.	.61	.64	.64	.68	.64	.63
Total Construction Cost/Total km	M.p.	.61	.64	.64	.68	.64	.63

APPENDIX 11-5

SUMMARTY OF DEMOGRAPHIC AND AGRICULTURAL DATA (MASBATE)

Summary of Demographic and Agricultural Data MASBATE

Class of Road	Type of Impr't	Road Number	Road Length (km)	1988 Population Total	1988 Population /km	1988 Crop Area (ha) Total	1988 Crop Area (ha) Major Crop	1992 AADT w/o	1992 AADT with	IRR (%)
Second'y Major	Rehab/ Imp-1	B6-2	1.6	2118	1324	1000	500(Corn) 250(Palay) 250(Coco.)	5	19	22.7
		B11-1	10.6	4419	417	1505	1000(Corn) 500(Coco.) 5(Palay)	11	23	20.8
		P29-3	14.5	7905	545	2100	1400(Coco.) 350(Palay) 350(Corn)	5	25	19.8
		B11-2	11.1	4213	380	350	350(Corn)	1	12	9.2
		B12-1	15.0	6578	379	1902	1500(Coco.) 250(Corn) 152(Palay)	4	31	8.7
		N10-1	3.0	3184	1061	603	300(Corn) 300(Coco.) 3(Palay)	9	24	7.0
	Imp-2/ Widen	N8-1	6.9	10795	1564	2503	1250(Corn) 1000(Coco.) 253(Palay)	41	104	35.8
	New Const.	B16-1	23.3	18504	794	3483	1200(Corn) 1200(Coco.) 1083(Palay)	0	55	25.5
		B1-1	14.9	5148	346	1125	600(Coco.) 450(Palay) 75(Corn)	0	12	13.2
		B14-2	10.0	5908	591	2000	1650(Coco.) 300(Corn) 50(Palay)	0	12	11.8
		B1-2	3.0	2040	680	501	375(Coco.) 76(Palay) 50(Corn)	0	12	10.1
		B14-1	10.2	5787	567	2802	2500(Coco.) 250(Corn) 52(Palay)	0	24	9.3
		B10-1	15.0	5788	386	320	170(Palay) 150(Corn)	1	14	1.5
Minor (Nat'l/ Prov'l)	Rehab/ Imp-1	P27-1	3.7	2384	644	1600	1200(Corn) 300(Coco.)	0	12	32.0
		P29-1	8.6	9372	1090	3502	2100(Coco.) 1400(Corn) 2(Palay)	0	41	23.7
		P15-1	3.3	3163	958	490	420(Coco.) 35(Palay) 35(Corn)	8	20	9.5
		P19-1	.7	2906	4151	75	30(Palay) 30(Coco.) 15(Corn)	8	16	6.1
		P25-1	2.6	2276	875	40	30(Corn) 10(Palay)	21	19	3.3
		P16-1	.7	629	899	60	40(Corn) 20(Palay)	2	2	.0
Minor (Baran-gay)	Rehab/ Imp-1	B5-4	4.5	8635	1919	3600	2000(Corn) 1000(Coco.) 600(Palay)	33	41	36.1
		B9-1	15.4	11336	736	2800	1200(Corn) 1200(Coco.) 400(Palay)	8	36	28.8
		B20-3	1.4	1139	814	1000	680(Palay) 160(Corn) 160(Coco.)	3	10	20.4
		B14-3	4.0	1323	331	1601	1400(Coco.) 51(Palay) 50(Corn)	0	9	17.5
		B3-2	7.5	4104	547	700	560(Palay) 140(Corn)	9	14	16.8
		B12-3	2.6	2762	1058	320	300(Coco.) 20(Corn)	0	22	16.0
		B12-2	7.2	2938	408	1230	900(Coco.) 240(Corn) 90(Palay)	0	12	16.0
		B2-2	1.6	1435	897	200	150(Coco.) 30(Corn) 20(Palay)	0	13	15.8
		B5-6	8.0	3872	484	1800	1000(Corn) 500(Coco.) 300(Palay)	9	26	14.9
		B0-3	1.1	1344	1222	152	150(Corn) 2(Palay)	0	6	11.5
		B11-6	3.1	1186	383	600	440(Palay) 100(Corn) 60(Coco.)	3	12	10.5
		B0-4	3.2	1985	620	300	250(Corn) 50(Palay)	0	7	9.9
		B8-3	5.0	2770	554	526	455(Coco.) 35(Palay) 35(Corn)	0	8	5.6
		B16-2	.9	1037	1152	360	160(Corn) 150(Coco.) 60(Palay)	1	4	4.8
	New Const.	B0-2	2.0	3789	1895	580	480(Coco.) 80(Corn) 20(Palay)	0	18	32.8
		B8-2	9.8	6202	633	2610	1600(Coco.) 900(Corn) 210(Palay)	0	16	23.6
		B5-2	5.5	3185	579	826	450(Coco.) 300(Corn) 76(Palay)	0	10	16.9
		B20-1	5.0	3416	683	1201	1100(Coco.) 100(Corn) 1(Palay)	0	10	14.6
		B8-4	3.0	1671	557	1275	720(Coco.) 450(Corn) 105(Palay)	0	5	11.7
		B15-3	1.5	2634	1756	900	450(Corn) 450(Coco.)	0	5	7.9
		B6-1	11.4	5024	441	1230	1200(Coco.) 15(Palay) 15(Corn)	0	14	7.3
		B15-2	16.0	5801	367	900	450(Corn) 450(Coco.)	0	9	5.7
		B2-1	5.3	1684	318	700	600(Coco.) 60(Palay) 40(Corn)	0	6	4.6

APPENDIX 11-6

SUMMARY OF ECONOMIC EVALUATION (MASBATE)

Summary of Economic Analysis MASBATE

Cost/Benefit:1990-2016 Discounted Total

Class of Road	Type of Impr't	Road Number	1992 AADT w/o	1992 AADT with	Length (km) Total	Length (km) Improvement	Economic Cost (Mp/km) Const-ruct.	Economic Cost (Mp/km) Period Maint.	Economic Cost (Mp/km) Total	Benefit (Mp/km) Normal	Diver-ted	Gene-rated	Deve-lop't	Maint sav'g	Benefit (Mp/km) Total	Econom. Indicator NPV (Mp)	B/C	IRR (%)
Primary Major	Rehab/ Imp-1	N14-3	52	65	18.9	18.9(6.0-GRV)	.78	.21	.99	1.04	-	.30	-	.00	1.34	6.6	1.4	20.8
		P17-1	58	75	10.6	10.6(6.0-GRV)	1.19	.23	1.42	.84	-	.39	-	.05	1.27	-1.5	.9	13.4
		P17-2	58	77	8.3	8.3(6.0-GRV)	1.35	.24	1.59	.80	-	.41	-	.05	1.26	-2.7	.8	11.8
		N2-2	176	141	18.3	18.3(6.0-BMP)	2.00	.18	2.19	1.36	-	.13	-	.09	1.58	-11.2	.7	10.7
		N1-3	32	49	26.0	26.0(6.0-GRV)	1.29	.19	1.48	.57	-	.45	-	.00	1.02	-12.0	.7	9.9
		N14-2	52	66	5.4	5.4(6.0-GRV)	1.62	.21	1.83	.91	-	.29	-	.02	1.22	-3.3	.7	9.6
		N2-3	108	69	9.1	9.1(6.0-BMP)	1.92	.13	2.05	.90	-	.07	-	.06	1.03	-9.3	.5	6.7
		N14-1	52	74	8.5	8.5(6.0-GRV)	.78	.23	1.01	.34	-	.16	-	.04	.54	-4.9	.5	5.4
		N1-2	32	47	4.2	4.2(6.0-GRV)	.95	.18	1.12	.27	-	.19	-	.02	.47	-2.7	.4	3.5
		N1-1	32	47	12.9	5.5(6.0-GRV)	2.14	.18	2.32	.38	-	.27	-	.02	.67	-9.1	.3	1.3
	Imp-2/ Widen	N2-1	243	208	2.5	2.5(6.0-BMP)	2.70	.29	2.99	3.05	-	.39	-	.09	3.53	1.3	1.2	17.6
		N2-4	108	61	19.9	19.9(6.0-BMP)	2.35	.13	2.48	.74	-	-	-	.06	.80	-33.4	.3	2.7
Second'y Major	Rehab/ Imp-1	N2-6	0	73	4.1	4.1(6.0-GRV)	1.56	.24	1.80	-	6.40	1.01	-	-.03	6.39	18.8	3.5	66.0
		B15-1	63	87	21.3	21.3(6.0-GRV)	1.01	.19	1.20	1.15	-	1.17	-	.00	2.32	23.9	1.9	27.1
		B6-2	5	19	1.6	1.6(4.0-GRV)	.39	.10	.49	.63	-	.01	.06	.01	.72	.4	1.5	22.7
		B11-1	11	23	10.6	10.6(4.0-GRV)	.51	.10	.61	.57	-	.15	.11	.00	.84	2.4	1.4	20.8
		P31-1	68	94	13.8	13.8(6.0-GRV)	.60	.26	.86	.73	-	.35	-	.01	1.08	3.1	1.3	20.0
		P29-3	5	25	14.5	14.5(6.0-GRV)	.50	.16	.66	.45	-	.21	.18	.00	.84	2.7	1.3	19.8
		B3-1	0	9	20.0	20.0(4.0-GRV)	.88	.10	.98	-	-	.74	-	-.01	.73	-4.9	.7	11.3
		B11-2	1	12	11.1	11.1(4.0-GRV)	.54	.10	.64	.25	-	.08	.09	.01	.42	-2.4	.7	9.2
		B12-1	4	31	15.0	15.0(4.0-GRV)	1.24	.10	1.34	.48	-	.07	.26	-.01	.79	-8.2	.6	8.7
		N10-1	9	24	3.0	3.0(6.0-GRV)	1.72	.15	1.87	.76	-	.14	.07	.00	.96	-2.7	.5	7.0
		N2-5	29	91	16.3	16.3(6.0-GRV)	1.42	.23	1.65	.23	.38	.17	-	.00	.79	-14.1	.5	5.2
		P21-1	59	93	2.9	1.1(6.0-GRV)	.52	.27	.78	.17	-	.13	-	.03	.34	-.5	.4	.0
	Imp-2/ Widen	N8-1	41	104	6.9	6.3(6.0-GRV)	.47	.22	.69	1.44	-	.00	.01	.02	1.47	4.9	2.1	35.8
	New Const.	B0-1	0	73	17.6	17.6(6.0-GRV)	.94	.24	1.19	-	1.26	1.31	-	-.03	2.53	23.7	2.1	34.3
		B16-1	0	66	23.3	7.7(6.0-GRV) 15.6(4.0-GRV)	1.21	.14	1.35	1.70	-	.62	.18	-.03	2.37	23.7	1.8	25.6
		B1-1	0	12	14.9	14.9(4.0-GRV)	1.25	.11	1.36	-	-	.92	.27	-.02	1.17	-2.8	.9	13.2
		B14-2	0	12	10.0	10.0(4.0-GRV)	1.19	.10	1.29	.42	-	.12	.48	-.02	.99	-3.0	.8	11.8
		B1-2	0	12	3.0	3.0(4.0-GRV)	1.54	.11	1.65	-	-	.96	.15	-.03	1.08	-1.7	.7	10.1
		B14-1	0	24	10.2	10.2(4.0-GRV)	1.24	.10	1.34	.62	-	.13	.14	-.02	.87	-4.8	.7	9.3
		B10-1	1	14	15.0	15.0(4.0-GRV)	1.18	.10	1.28	.13	-	.06	.12	-.02	.29	-14.9	.2	1.5

Summary of Economic Analysis — MASBATE

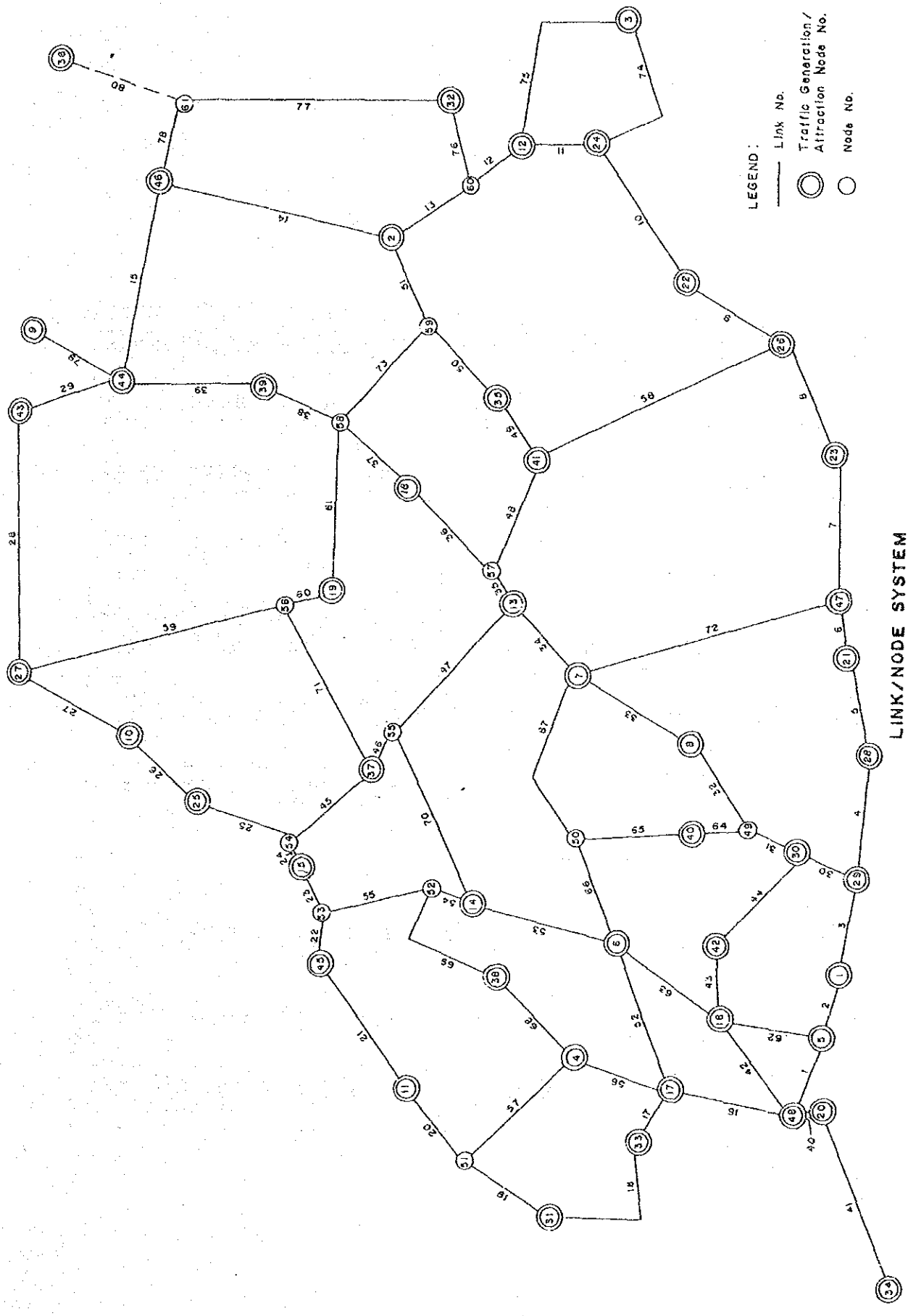
Cost/Benefit:1990-2016 Discounted Total

Class of Road	Type of Impr't	Road Number	1992 AADT w/o	1992 AADT with	Length (km) Total	Length (km) Improvement	Economic Cost (Mp/km) Construct.	Economic Cost (Mp/km) Period Maint.	Economic Cost (Mp/km) Total	Benefit (Mp/km) Normal	Diverted	Generated	Deve-lop't	Maint sav'g	Benefit (Mp/km) Total	Econom. Indicator NPV (Mp)	B/C	IRR (%)
Minor (Nat'l/ Prov'l)	Rehab/ Imp-1	P27-1	0	12	3.7	3.7(4.0-GRV)	.38	.10	.48	.64	-	.11	.27	.01	1.03	2.0	2.1	32.0
		P29-1	0	41	8.6	8.6(4.0-GRV)	.44	.11	.55	.61	-	.10	.14	.00	.85	2.5	1.5	23.7
		P16-1	8	20	3.3	3.3(4.0-GRV)	.49	.10	.58	.28	-	.02	.09	.01	.40	-.6	.7	9.5
		P19-1	8	16	.7	.7(4.0-GRV)	.39	.10	.49	.19	-	.00	.06	.01	.26	-.2	.5	6.1
		P25-1	21	19	2.6	2.6(4.0-GRV)	.35	.10	.45	.15	-	.01	.02	.02	.20	-.6	.4	3.3
		P16-1	2	2	.7	.7(4.0-GRV)	.35	.10	.45	.04	-	.02	.07	.01	.14	-.2	.3	.0
Minor (Baran-gay)	Rehab/ Imp-1	B5-4	33	41	4.5	4.5(4.0-GRV)	.40	.11	.51	.74	-	.14	.41	.00	1.30	3.6	2.6	36.1
		B9-1	8	36	16.4	16.4(4.0-GRV)	.38	.11	.49	.63	-	.17	.09	.00	.89	6.2	1.8	28.8
		B20-3	3	10	1.4	1.4(4.0-GRV)	.39	.10	.49	.42	-	.04	.18	.01	.65	.2	1.3	20.4
		B14-3	0	9	4.0	4.0(4.0-GRV)	.49	.10	.59	.46	-	.03	.20	-.01	.68	.3	1.1	17.5
		B3-2	9	14	7.5	7.5(4.0-GRV)	.35	.10	.45	.24	-	.12	.13	.00	.49	.4	1.1	16.8
		B12-3	0	22	2.6	2.6(4.0-GRV)	.41	.10	.51	.36	-	.07	.09	.01	.54	.1	1.1	16.0
		B12-2	0	12	7.2	7.2(4.0-GRV)	.54	.10	.64	.26	-	.06	.36	.00	.68	.3	1.1	16.0
		B2-2	0	13	1.6	1.6(4.0-GRV)	.38	.10	.48	.39	-	.01	.08	.01	.49	.0	1.0	15.8
		B5-5	9	26	8.0	8.0(4.0-GRV)	.39	.10	.49	.32	-	.04	.12	.01	.48	-.1	1.0	14.9
		B0-3	0	6	1.1	1.1(4.0-GRV)	.36	.10	.46	.18	-	.04	.12	.01	.36	-.1	.8	11.5
		B11-6	3	12	3.1	3.1(4.0-GRV)	.45	.10	.55	.29	-	.04	.07	.01	.41	-.4	.7	10.5
		B0-4	0	7	3.2	3.2(4.0-GRV)	.53	.10	.63	.23	-	.09	.11	.01	.44	-.6	.7	9.9
		B8-3	0	8	5.0	5.0(4.0-GRV)	.53	.10	.63	.16	-	.04	.12	-.01	.31	-1.6	.5	5.6
		B16-2	1	4	.9	.9(4.0-GRV)	.38	.10	.48	.09	-	.04	.08	.01	.23	-.2	.5	4.8
	New Const.	B0-2	0	18	2.0	1.7(4.0-GRV)	.40	.10	.50	.70	-	.14	.28	.01	1.14	1.1	2.3	32.8
		B8-2	0	16	9.8	9.8(4.0-GRV)	.36	.10	.46	.38	-	.13	.20	.00	.72	2.5	1.6	23.6
		B5-2	0	10	5.5	5.5(4.0-GRV)	.46	.10	.56	.37	-	.09	.18	-.02	.63	.4	1.1	16.9
		B20-1	0	10	5.0	5.0(4.0-GRV)	.51	.10	.61	.28	-	.08	.25	-.02	.59	-.1	1.0	14.6
		B8-4	0	5	3.0	3.0(4.0-GRV)	.53	.10	.63	.15	-	.03	.32	-.02	.48	-.4	.8	11.7
		B15-3	0	5	1.5	1.5(4.0-GRV)	.53	.10	.63	.24	-	.09	.07	-.02	.38	-.4	.6	7.9
		B5-1	0	14	11.4	11.4(4.0-GRV)	.57	.10	.66	.21	-	.08	.11	-.01	.38	-3.3	.6	7.3
		B15-2	0	9	15.0	15.0(4.0-GRV)	.53	.10	.63	.21	-	.10	.04	-.02	.32	-4.6	.5	5.7
		B2-1	0	6	5.3	5.3(4.0-GRV)	.52	.10	.62	.13	-	.04	.12	-.02	.28	-1.8	.4	4.5

APPENDICES FOR CHAPTER 12

APPENDIX 12-1

RESULTS OF TRAFFIC PROJECTION FOR MAJOR ROADS (BOHOL)



LINK/NODE SYSTEM
PROVINCE OF BOHOL

TRAFFIC PROJECTION BOHOL

Movement of Passengers and Commodity

Link	Year	Number of Passengers					Commodity Tonnage				
		Normal	Diverted-1	Diverted-2	Generated	Total	Normal	Diverted-1	Diverted-2	Generated	Total
	1988	10393				10393	835.09				835.09
	1992	12769	-141	24	101	12752	995.78	-9.03	9.47	4.11	1000.33
1	1996	15639	-167	36	371	15879	1187.44	-10.49	9.07	14.42	1200.44
	2006	25342	-249	86	594	25773	1775.00	-15.01	13.89	20.89	1795.78
	2016	39532	-362	168	915	40253	2546.11	-20.74	25.51	29.20	2580.08
	1988	8615				8615	758.09				758.09
	1992	10628	-116	30	101	10644	907.30	-8.59	9.70	4.44	912.85
2	1996	13070	-137	44	371	13347	1086.26	-10.01	9.19	15.58	1101.01
	2006	21365	-205	98	594	21852	1636.02	-14.38	14.04	22.51	1658.17
	2016	33568	-297	187	915	34373	2357.83	-19.95	25.98	31.38	2395.24
	1988	7624				7624	656.21				656.21
	1992	9384	-119	35	101	9402	786.13	-8.64	10.38	4.44	792.32
3	1996	11516	-140	61	371	11797	943.06	-10.06	9.86	15.58	958.45
	2006	18751	-210	111	594	19246	1424.02	-14.45	14.98	22.51	1447.05
	2016	29382	-304	209	915	30202	2056.97	-20.03	27.58	31.38	2095.89
	1988	4666				4666	337.55				337.55
	1992	5708	-373	-11	37	5360	402.83	-31.87	.31	3.22	374.49
4	1996	6954	-457	-12	132	6627	481.74	-38.08	-1.06	11.18	453.78
	2006	11197	-740	-14	200	10642	721.17	-56.72	-2.48	15.82	677.79
	2016	17369	-1154	-17	295	16492	1033.84	-80.93	-2.02	21.70	972.58
	1988	4315				4315	315.61				315.61
	1992	5276	-382	81	37	5012	376.75	-32.06	1.92	3.70	350.30
5	1996	6434	-468	99	132	6197	450.78	-38.30	.82	12.89	426.19
	2006	10333	-758	158	200	9932	675.44	-57.03	.11	18.30	636.82
	2016	16011	-1182	241	295	15365	969.12	-81.34	1.34	25.16	914.28
	1988	5161				5161	328.39				328.39
	1992	6280	-335	-2	37	5979	390.17	-30.89	.19	1.90	361.36
6	1996	7622	-410	-2	132	7342	464.38	-36.91	-.96	6.63	433.14
	2006	12109	-661	-1	200	11647	689.48	-54.95	-2.24	9.47	641.76
	2016	18594	-1027	1	295	17862	982.36	-78.38	-2.03	13.10	915.05
	1988	4286				4286	281.59				281.59
	1992	5220	-264	34	37	5027	334.77	-27.33	1.15	1.35	309.93
7	1996	6342	-322	44	132	6195	398.62	-32.77	.56	4.66	371.07
	2006	10100	-520	79	200	9858	593.12	-48.98	.41	6.55	551.09
	2016	15542	-809	131	295	15159	846.93	-70.08	1.62	8.95	787.42
	1988	5077				5077	279.34				279.34
	1992	6197	-297	-3	37	5933	331.31	-28.81	-.72	1.35	303.13
8	1996	7541	-364	-2	132	7306	393.13	-34.49	-1.42	4.66	361.87
	2006	12041	-587	-1	200	11653	581.66	-51.47	-2.44	6.55	534.30
	2016	18553	-914	2	295	17936	826.56	-73.54	-2.83	8.95	759.14

TRAFFIC PROJECTION BOHOL

Movement of Passengers and Commodity

Link	Year	Number of Passengers					Commodity Tonnage				
		Normal	Diver-ted-1	Diver-ted-2	Gene-rated	Total	Normal	Diver-ted-1	Diver-ted-2	Gene-rated	Total
	1988	4725				4725	243.33				243.33
	1992	5760	-351	-50	37	5396	287.76	-30.97	-2.35	1.35	255.78
9	1996	7001	-430	-60	132	6643	340.32	-37.05	-3.10	4.66	304.83
	2006	11148	-696	-95	200	10556	500.51	-55.26	-4.72	6.55	447.08
	2016	17130	-1085	-145	295	16195	707.85	-78.93	-6.23	8.95	631.64
	1988	4790				4790	246.17				246.17
	1992	5832	-353	-54	37	5462	290.54	-31.01	-2.63	1.35	258.24
10	1996	7082	-433	-65	132	6716	342.80	-37.09	-3.34	4.66	307.03
	2006	11249	-700	-102	200	10647	502.06	-55.32	-5.00	6.55	448.29
	2016	17254	-1091	-155	295	16303	707.70	-79.01	-6.70	8.95	630.94
	1988	5651				5651	294.75				294.75
	1992	6899	-463	-56	12	6392	347.17	-37.56	-2.76	.56	307.41
11	1996	8396	-562	-68	45	7811	407.95	-44.53	-3.14	1.99	362.27
	2006	13402	-897	-106	74	12474	594.66	-65.48	-4.52	2.99	527.64
	2016	20632	-1381	-160	117	19208	834.91	-92.54	-6.48	4.30	740.19
	1988	4560				4560	232.32				232.32
	1992	5561	-350	-42	379	5548	273.72	-30.87	-1.46	5.81	247.20
12	1996	6762	-429	-50	1377	7660	321.78	-36.94	-1.52	19.93	303.26
	2006	10776	-695	-75	2172	12178	469.53	-55.11	-2.01	27.51	439.92
	2016	16571	-1083	-109	3313	18692	659.89	-78.74	-2.89	36.99	615.26
	1988	4481				4481	218.13				218.13
	1992	5462	-329	-49	377	5461	256.42	-30.32	-1.74	10.41	234.77
13	1996	6639	-404	-58	1383	7560	300.62	-36.31	-1.74	36.68	299.24
	2006	10570	-655	-88	2236	12063	436.45	-54.26	-2.25	53.59	433.52
	2016	16241	-1023	-129	3484	18573	610.83	-77.61	-3.35	75.50	605.37
	1988	4092				4092	179.77				179.77
	1992	4967	-639	-26	185	4487	210.45	-39.61	-.22	3.57	174.19
14	1996	6012	-776	-31	683	5887	245.80	-46.94	-.08	12.65	211.43
	2006	9484	-1238	-45	1106	9308	353.87	-69.22	.10	18.71	303.47
	2016	14466	-1905	-63	1725	14223	491.92	-98.01	.15	26.60	420.65
	1988	3979				3979	180.75				180.75
	1992	4882	595	13	324	5815	212.68	37.94	-.20	6.12	256.54
15	1996	5970	723	15	1202	7911	249.09	45.03	-.31	21.78	315.59
	2006	9624	1153	19	1983	12780	362.04	66.55	-.60	32.59	460.57
	2016	14926	1775	24	3134	19860	506.98	94.38	-.95	46.74	647.15
	1988	11879				11879	720.56				720.56
	1992	14537	-1135	-204	15	13213	847.71	-58.50	-12.13	2.80	779.88
16	1996	17732	-1372	-250	55	16164	996.30	-68.11	-15.47	9.73	922.44
	2006	28431	-2156	-406	81	25950	1447.19	-96.99	-23.31	13.76	1340.66
	2016	43906	-3278	-635	119	40112	2024.76	-133.71	-31.73	18.86	1878.17

TRAFFIC PROJECTION BOHOL

Movement of Passengers and Commodity

Link	Year	Number of Passengers					Commodity Tonnage				
		Normal	Diverted-1	Diverted-2	Generated	Total	Normal	Diverted-1	Diverted-2	Generated	Total
	1988	7751				7751	500.37				500.37
	1992	9460	-179	-181	4	9103	591.95	-12.58	-11.17	.50	568.70
17	1996	11513	-219	-222	13	11085	700.08	-15.17	-14.48	1.74	672.17
	2006	18393	-356	-357	20	17699	1028.85	-23.24	-21.98	2.46	986.08
	2016	28354	-558	-556	30	27270	1453.07	-34.01	-29.69	3.36	1392.73
	1988	6344				6344	429.82				429.82
	1992	7751	-181	-202	4	7373	510.54	-12.63	-10.98	.50	487.42
18	1996	9445	-221	-244	13	8992	606.50	-15.23	-14.31	1.74	578.70
	2006	15137	-360	-388	20	14409	898.46	-23.32	-21.75	2.46	855.85
	2016	23401	-564	-597	30	22270	1276.79	-34.11	-29.21	3.36	1216.84
	1988	4844				4844	299.22				299.22
	1992	5870	-170	61	4	5765	356.45	-12.33	-4.24	.50	340.38
19	1996	7099	-209	71	13	6973	425.06	-14.89	-6.39	1.74	405.52
	2006	11190	-340	97	20	10967	634.54	-22.85	-10.93	2.46	603.21
	2016	17083	-534	130	30	16708	907.98	-33.49	-15.25	3.36	862.60
	1988	4848				4848	300.74				300.74
	1992	5881	-176	53	4	5762	358.20	-12.36	-4.26	1.15	342.72
20	1996	7118	-215	61	13	6977	427.04	-14.92	-6.41	4.01	409.72
	2006	11243	-349	83	20	10997	637.24	-22.90	-10.94	5.71	609.11
	2016	17187	-546	109	30	16780	911.56	-33.55	-15.26	7.86	870.61
	1988	4848				4848	306.62				306.62
	1992	5894	-160	-54	4	5684	363.05	-12.23	-4.92	1.15	347.06
21	1996	7147	-196	-66	13	6898	429.68	-14.77	-6.61	4.01	412.31
	2006	11328	-321	-108	20	10920	683.71	-22.71	-10.59	5.71	656.12
	2016	17354	-505	-169	30	16709	898.39	-33.30	-14.87	7.86	858.09
	1988	5508				5508	276.89				276.89
	1992	6688	-73	-10	4	6608	324.21	-7.56	-1.68	1.15	316.12
22	1996	8099	-91	-14	13	8007	378.63	-9.48	-1.99	4.01	371.16
	2006	12799	-156	-27	20	12636	546.01	-15.47	-3.32	5.71	532.93
	2016	19557	-256	-47	30	19283	760.66	-23.67	-5.44	7.86	739.41
	1988	5577				5577	272.75				272.75
	1992	6766	-37	-50	30	6709	319.59	-7.22	-2.75	3.65	313.27
23	1996	8187	-49	-61	106	8183	373.54	-9.11	-3.22	12.57	373.78
	2006	12918	-96	-98	161	12884	539.45	-15.02	-4.94	17.39	536.89
	2016	19718	-171	-153	238	19632	752.35	-23.11	-7.46	23.43	745.21
	1988	4983				4983	229.52				229.52
	1992	6022	-28	-76	30	5947	268.63	-7.05	-2.87	3.65	262.36
24	1996	7261	-38	-92	106	7237	313.69	-8.93	-3.34	12.57	314.00
	2006	11373	-79	-144	161	11311	452.29	-14.76	-5.05	17.39	449.87
	2016	17263	-145	-218	238	17138	630.24	-22.76	-7.57	23.43	623.35

TRAFFIC PROJECTION BOHOL

Movement of Passengers and Commodity

Link	Year	Number of Passengers					Commodity Tonnage				
		Normal	Diverted-1	Diverted-2	Generated	Total	Normal	Diverted-1	Diverted-2	Generated	Total
	1988	4722				4722	207.99				207.99
	1992	5695	-72	-132	30	5521	243.34	-10.18	-5.48	6.76	234.43
25	1996	6857	-93	-161	106	6708	284.32	-12.53	-6.56	23.30	288.54
	2006	10705	-168	-258	161	10439	409.97	-19.84	-9.80	32.23	412.56
	2016	16212	-284	-400	238	15766	571.53	-29.70	-13.96	43.41	571.27
	1988	3276				3276	136.81				136.81
	1992	4012	-94	112	30	4060	162.03	-11.77	3.21	8.31	161.78
26	1996	4900	-120	134	106	5019	191.43	-14.35	3.60	29.03	209.71
	2006	7884	-210	202	161	8037	282.71	-22.38	4.69	41.45	306.46
	2016	12226	-349	297	238	12412	401.52	-33.14	5.89	57.23	431.50
	1988	2279				2279	102.17				102.17
	1992	2788	-86	99	30	2831	120.57	-11.56	3.81	6.97	119.80
27	1996	3400	-109	120	106	3516	141.88	-14.09	4.49	24.48	156.77
	2006	5459	-192	187	161	5615	207.92	-21.98	6.42	35.49	227.85
	2016	8452	-319	283	238	8654	293.42	-32.55	8.73	49.68	319.28
	1988	1685				1685	73.91				73.91
	1992	2064	-28	122	134	2292	87.33	-8.13	5.07	6.29	90.57
28	1996	2519	-39	148	489	3117	102.90	-10.13	6.03	22.24	121.03
	2006	4059	-80	234	775	4981	151.30	-16.37	8.73	32.64	176.30
	2016	6285	-146	357	1186	7681	214.15	-24.87	11.98	46.09	247.35
	1988	3394				3394	160.75				160.75
	1992	4213	86	50	315	4664	192.09	9.09	2.17	10.51	213.86
29	1996	5209	108	50	1173	6549	228.36	11.23	2.55	37.73	279.87
	2006	8611	184	92	1960	10847	343.16	17.88	3.51	57.44	422.11
	2016	13643	299	137	3132	17212	494.10	26.91	4.87	83.55	609.43
	1988	3555				3555	266.19				266.19
	1992	4369	222	82	92	4765	322.39	22.22	12.49	4.43	361.53
30	1996	5354	276	107	337	6074	390.50	26.82	13.88	15.51	446.71
	2006	8698	462	195	535	9890	603.37	40.47	21.49	22.38	687.71
	2016	13612	740	334	821	15506	888.15	58.31	34.63	31.16	1012.25
	1988	2485				2485	227.93				227.93
	1992	3072	220	125	92	3509	277.63	22.41	13.57	6.00	319.61
31	1996	3787	274	159	337	4557	338.31	27.04	15.14	21.03	401.52
	2006	6230	462	282	535	7508	528.41	40.78	23.30	30.38	622.88
	2016	9851	741	470	821	11883	784.22	58.74	37.12	42.35	922.43
	1988	2303				2303	204.65				204.65
	1992	2849	244	127	161	3381	250.10	22.92	14.15	6.09	293.26
32	1996	3514	302	163	594	4572	305.81	27.59	15.86	21.36	370.63
	2006	5787	502	288	967	7545	480.75	41.49	24.37	30.91	577.52
	2016	9161	798	482	1510	11951	717.05	59.64	38.54	43.15	858.39

TRAFFIC PROJECTION BOHOL

Movement of Passengers and Commodity

Link	Year	Number of Passengers					Commodity Tonnage				
		Normal	Diver-ted-1	Diver-ted-2	Gene-rated	Total	Normal	Diver-ted-1	Diver-ted-2	Gene-rated	Total
	1988	2312				2312	195.34				195.34
	1992	2861	260	214	161	3496	239.01	23.06	16.08	7.79	285.93
33	1996	3531	321	268	594	4713	292.43	27.74	18.24	27.34	365.75
	2006	5820	530	454	967	7772	460.85	41.69	27.81	39.54	569.89
	2016	9216	840	736	1510	12301	688.75	59.88	43.10	55.17	846.90
	1988	3248				3248	221.35				221.35
	1992	4015	553	238	161	4967	269.47	32.27	19.53	8.94	330.21
34	1996	4946	674	301	594	6515	327.86	38.30	22.42	31.49	420.06
	2006	8117	1082	520	967	10687	511.81	56.48	33.89	45.95	648.13
	2016	12793	1677	853	1510	16833	759.50	80.03	51.23	64.60	955.35
	1988	4710				4710	248.24				248.24
	1992	5863	221	-65	200	6220	298.72	22.01	1.27	10.36	332.36
35	1996	7272	274	-79	733	8200	357.79	26.49	1.29	36.51	422.08
	2006	12115	455	-128	1183	13625	545.06	39.80	2.04	53.28	640.18
	2016	19336	723	-200	1833	21692	793.11	57.16	3.70	74.95	928.91
	1988	1546				1546	112.64				112.64
	1992	1932	591	94	164	2780	136.31	34.06	6.50	6.67	183.54
36	1996	2403	721	120	607	3851	164.41	40.38	7.55	23.78	236.12
	2006	4028	1158	210	997	6393	263.11	59.57	11.71	35.61	360.00
	2016	6454	1796	348	1567	10165	371.18	84.38	18.01	51.14	524.72
	1988	1415				1416	101.52				101.52
	1992	1760	594	53	209	2615	122.47	34.10	4.94	7.90	169.41
37	1996	2180	725	69	772	3746	147.31	40.43	5.73	28.20	221.67
	2006	3618	1166	125	1270	6179	225.47	59.67	9.05	42.38	336.59
	2016	5760	1809	212	2001	9772	329.20	84.55	14.30	61.01	489.06
	1988	1405				1405	81.57				81.57
	1992	1736	679	52	233	2701	97.54	47.97	5.66	9.26	160.42
38	1996	2138	831	68	863	3901	116.23	57.36	6.62	32.94	213.15
	2006	3503	1345	126	1417	6391	174.96	86.07	10.57	49.16	320.76
	2016	5510	2097	218	2229	10053	252.28	123.62	16.72	70.36	462.97
	1988	1230				1230	70.23				70.23
	1992	1522	696	156	241	2615	84.11	48.40	10.39	8.39	151.29
39	1996	1876	851	195	892	3814	100.34	57.85	12.19	29.96	200.34
	2006	3081	1374	330	1467	6251	151.57	86.72	18.58	45.09	302.07
	2016	4856	2138	532	2311	9836	219.24	124.46	28.03	64.96	436.70
	1988	3721				3721	188.66				188.66
	1992	4493	-	6	128	4626	218.56	-	-.04	7.61	226.13
40	1996	5411	-	7	465	5883	251.68	-	.41	26.67	278.77
	2006	8442	-	10	740	9192	354.47	-	.59	38.50	393.56
	2016	12759	-	14	1136	13909	484.06	-	-.11	53.61	537.56

TRAFFIC PROJECTION BOHOL

Movement of Passengers and Commodity

Link	Year	Number of Passengers					Commodity Tonnage				
		Normal	Diver-ted-1	Diver-ted-2	Gene-rated	Total	Normal	Diver-ted-1	Diver-ted-2	Gene-rated	Total
	1988	1341				1341	46.90				46.90
	1992	1635	-	-	128	1763	55.01	-	-.01	7.61	62.61
41	1996	1987	-	1	465	2453	64.10	-	.09	26.67	90.86
	2006	3164	-	1	740	3906	92.56	-	.14	38.50	131.19
	2016	4858	-	1	1136	5996	128.93	-	-.04	53.61	182.51
	1988	1375				1375	39.92				39.92
	1992	1683	971	-3	15	2665	46.75	58.77	2.16	2.61	110.30
42	1996	2053	1175	-1	53	3281	54.41	68.78	2.47	9.10	134.76
	2006	3290	1853	11	83	5237	78.27	98.77	3.90	13.00	193.95
	2016	5076	2824	30	126	8055	108.66	137.06	6.19	17.96	269.87
	1988	677				677	20.47				20.47
	1992	823	-8	-6	-	810	23.96	.08	-.10	1.98	25.91
43	1996	998	-9	-6	-	983	27.86	.09	-.06	6.88	34.76
	2006	1579	-11	-10	-	1558	40.02	.13	-.08	9.78	49.85
	2016	2413	-14	-15	-	2384	55.53	.19	-.19	13.45	68.97
	1988	147				147	1.40				1.40
	1992	173	-10	7	-	170	1.56	.03	.09	1.16	2.83
44	1996	204	-11	8	-	201	1.70	.04	.12	4.03	5.89
	2006	302	-15	13	-	299	2.20	.07	.16	5.73	8.16
	2016	437	-21	19	-	435	2.80	.10	.19	7.89	10.98
	1988	1688				1688	67.46				67.46
	1992	2049	106	54	-	2209	78.84	5.76	2.04	3.11	89.74
45	1996	2481	128	64	-	2674	91.47	6.59	2.57	10.73	111.36
	2006	3923	202	99	-	4224	131.20	9.18	3.57	14.84	158.79
	2016	5998	307	148	-	6452	181.89	12.41	4.25	19.97	218.53
	1988	2329				2329	92.68				92.68
	1992	2831	119	-51	12	2911	108.56	15.72	-.92	6.01	129.36
46	1996	3433	146	-61	44	3562	126.44	19.02	-.97	20.84	165.33
	2006	5439	237	-94	70	5653	182.04	29.25	-1.20	29.38	239.46
	2016	8329	372	-140	107	8668	252.97	42.84	-1.56	40.15	334.41
	1988	2582				2582	91.30				91.30
	1992	3138	-103	-132	39	2942	106.54	-1.01	-4.90	4.37	105.00
47	1996	3804	-122	-160	139	3661	123.36	-1.08	-5.43	15.19	132.04
	2006	6022	-183	-254	216	5801	176.28	-1.33	-7.73	21.44	188.67
	2016	9210	-266	-390	324	8877	243.61	-1.63	-11.24	29.36	260.10
	1988	3488				3488	144.32				144.32
	1992	4340	-361	-166	107	3921	172.91	-11.85	-4.94	6.36	162.48
48	1996	5382	-436	-207	397	5136	205.97	-13.65	-5.88	22.60	209.04
	2006	8963	-686	-349	668	8586	311.12	-19.42	-8.99	33.60	316.31
	2016	14303	-1045	-559	1042	13740	449.78	-26.73	-13.20	48.11	457.95

TRAFFIC PROJECTION BOHOL

Movement of Passengers and Commodity

Link	Year	Number of Passengers					Commodity Tonnage				
		Normal	Diverted-1	Diverted-2	Generated	Total	Normal	Diverted-1	Diverted-2	Generated	Total
	1988	3094				3094	103.03				103.03
	1992	3798	-307	70	105	3667	121.77	-9.68	1.45	9.29	122.84
49	1996	4648	-369	87	389	4755	143.12	-11.09	1.75	32.96	166.74
	2006	7509	-577	146	644	7722	210.05	-15.63	2.65	48.64	245.61
	2016	11674	-874	233	1022	12055	296.55	-21.34	3.44	69.03	347.68
	1988	2247				2247	83.38				83.38
	1992	2738	-319	-44	105	2479	98.09	-9.93	-.60	5.70	93.25
50	1996	3326	-384	-52	389	3279	114.68	-11.37	-.61	19.93	122.63
	2006	5294	-599	-77	644	5261	166.79	-16.00	-.80	28.70	178.69
	2016	8135	-906	-111	1022	8140	233.87	-21.82	-1.19	39.98	250.84
	1988	2521				2521	100.30				100.30
	1992	3075	-338	-62	165	2839	117.94	-10.98	-1.85	7.54	112.65
51	1996	3739	-407	-74	610	3867	137.83	-12.57	-2.04	26.49	149.71
	2006	5960	-635	-113	1002	6213	200.20	-17.67	-2.84	38.50	218.18
	2016	9169	-961	-166	1580	9622	280.36	-24.09	-4.04	54.03	306.27
	1988	2026				2026	82.69				82.69
	1992	2419	-867	6	8	1566	95.09	-44.57	.39	1.75	52.66
52	1996	2885	-1048	9	29	1874	109.32	-51.47	.51	6.02	64.37
	2006	4406	-1646	17	43	2821	151.62	-71.88	.70	8.37	88.81
	2016	6550	-2498	31	62	4144	204.41	-97.36	.84	11.32	119.21
	1988	1271				1271	43.90				43.90
	1992	1519	39	125	43	1726	50.98	13.50	4.47	5.02	73.98
53	1996	1813	51	149	155	2168	59.24	16.55	4.99	17.24	98.01
	2006	2777	94	231	236	3339	83.90	25.95	7.14	23.78	140.78
	2016	4140	162	347	351	5001	115.06	38.53	10.38	31.96	195.92
	1988	862				862	15.03				15.03
	1992	1018	34	16	29	1098	16.76	1.11	.74	2.71	21.32
54	1996	1201	41	19	104	1365	18.52	1.24	.93	9.26	29.96
	2006	1788	64	29	156	2037	24.06	1.66	1.27	12.65	39.63
	2016	2600	96	43	228	2967	30.76	2.16	1.49	16.86	51.27
	1988	853				853	15.59				15.59
	1992	1008	65	34	26	1134	17.36	1.46	1.01	2.50	22.33
55	1996	1190	77	40	93	1400	19.16	1.61	1.24	8.56	30.57
	2006	1774	115	59	141	2090	24.82	2.11	1.67	11.68	40.28
	2016	2583	168	86	208	3045	31.66	2.72	1.99	15.57	51.94
	1988	2191				2191	63.16				63.16
	1992	2649	5	-9	20	2665	73.10	.03	-.26	4.05	76.94
56	1996	3194	6	-10	71	3261	84.29	.03	-.24	14.01	98.10
	2006	4999	9	-16	104	5097	118.36	.04	-.32	19.68	137.76
	2016	7574	13	-23	151	7714	161.10	.05	-.55	26.82	187.42

TRAFFIC PROJECTION BOHOL

Movement of Passengers and Commodity

Link	Year	Number of Passengers					Commodity Tonnage				
		Normal	Diverted-1	Diverted-2	Generated	Total	Normal	Diverted-1	Diverted-2	Generated	Total
	1988	600				600	4.70				4.70
	1992	703	-5	9	-	707	5.15	-.03	.16	.65	5.93
57	1996	823	-6	10	-	827	5.57	-.03	.23	2.27	8.04
	2006	1202	-9	16	-	1209	7.00	-.04	.32	3.25	10.53
	2016	1720	-13	24	-	1731	8.73	-.05	.35	4.50	13.53
	1988	134				134	4.63				4.63
	1992	166	-65	5	-	106	5.51	-2.44	.12	-	3.19
58	1996	205	-80	6	-	132	6.50	-2.88	.14	-	3.77
	2006	340	-131	11	-	219	9.65	-4.27	.21	-	5.60
	2016	538	-207	18	-	349	13.75	-6.07	.31	-	7.98
	1988	155				155	10.45				10.45
	1992	190	-53	-12	8	134	12.22	-3.41	-.70	.70	8.80
59	1996	233	-65	-14	30	184	14.18	-3.93	-.81	2.48	11.92
	2006	377	-103	-23	48	299	20.33	-5.52	-1.17	3.70	17.33
	2016	586	-157	-37	73	466	28.13	-7.53	-1.64	5.30	24.26
	1988	155				155	10.45				10.45
	1992	190	100	56	21	366	12.22	14.74	3.96	3.57	34.49
60	1996	233	123	68	75	499	14.18	17.92	4.57	12.58	49.26
	2006	377	205	110	118	810	20.33	27.78	6.66	18.31	73.08
	2016	586	326	171	180	1262	28.13	40.91	9.54	25.66	104.24
	1988	827				827	75.08				75.08
	1992	1026	-100	-56	100	971	89.78	-14.74	-3.96	6.64	77.73
61	1996	1269	-123	-68	371	1449	106.89	-17.92	-4.53	23.79	108.23
	2006	2097	-205	-110	615	2398	160.59	-27.78	-6.60	36.03	162.24
	2016	3318	-326	-170	977	3799	230.93	-40.91	-9.54	52.16	232.64
	1988	216				216	2.28				2.28
	1992	249	27	4	-	280	2.48	.46	.06	.34	3.34
62	1996	288	32	4	-	324	2.66	.51	.09	1.16	4.42
	2006	411	47	6	-	464	3.28	.66	.12	1.61	5.67
	2016	576	68	9	-	653	4.03	.84	.12	2.18	7.17
	1988	287				287	2.71				2.71
	1992	331	1015	32	15	1392	2.93	59.64	2.56	3.40	68.53
63	1996	381	1228	41	53	1703	3.14	69.74	2.87	11.73	87.48
	2006	540	1933	73	83	2630	3.85	100.04	4.44	16.41	124.74
	2016	754	2943	122	126	3945	4.70	138.70	6.99	22.29	172.69
	1988	492				492	36.33				36.33
	1992	598	-29	-12	179	737	42.51	-.98	-.45	3.21	44.29
64	1996	726	-35	-14	655	1332	49.49	-1.08	-.46	11.26	59.21
	2006	1149	-53	-21	1049	2124	71.12	-1.41	-.60	16.26	85.37
	2016	1758	-79	-30	1617	3265	98.71	-1.82	-.85	22.65	118.69

TRAFFIC PROJECTION BOHOL

Movement of Passengers and Commodity

Link	Year	Number of Passengers					Commodity Tonnage				
		Normal	Diverted-1	Diverted-2	Generated	Total	Normal	Diverted-1	Diverted-2	Generated	Total
	1988	-				-	-				-
	1992	-	43	14	37	94	-	1.06	.46	.88	2.38
65	1996	-	51	16	131	198	-	1.16	.52	3.01	4.69
	2006	-	76	24	196	296	-	1.51	.68	4.14	6.33
	2016	-	110	35	287	431	-	1.93	.85	5.56	8.34
	1988	5				5	.03				.03
	1992	6	158	42	37	242	.03	2.96	.98	1.85	5.82
66	1996	6	186	50	131	373	.03	3.26	1.15	6.37	10.81
	2006	9	278	75	196	558	.04	4.24	1.53	8.88	14.69
	2016	12	405	111	287	814	.05	5.44	1.91	12.02	19.41
	1988	5				5	.03				.03
	1992	6	114	28	-	148	.03	1.90	.53	.97	3.44
67	1996	6	135	33	-	175	.03	2.10	.63	3.37	6.13
	2006	9	202	51	-	262	.04	2.73	.85	4.73	8.35
	2016	12	295	76	-	383	.05	3.51	1.06	6.46	11.08
	1988	910				910	22.82				22.82
	1992	1075	-	2	20	1097	26.00	-	-.06	1.67	27.62
68	1996	1268	-	2	71	1341	29.56	-	-.05	5.66	35.17
	2006	1892	-	4	104	2000	40.21	-	-.08	7.58	47.72
	2016	2760	-	5	151	2915	53.37	-	-.13	9.95	63.19
	1988	339				339	4.69				4.69
	1992	396	-	-2	29	423	5.17	-	.05	1.17	6.38
69	1996	463	-	-2	101	562	5.64	-	.09	3.98	9.70
	2006	675	-	-3	151	822	7.16	-	.13	5.37	12.66
	2016	965	-	-5	220	1180	9.00	-	.12	7.10	16.22
	1988	1097				1097	28.04				28.04
	1992	1311	-33	-40	61	1289	32.30	11.94	1.27	4.71	50.21
70	1996	1564	-33	-46	184	1668	37.11	14.82	1.45	16.33	69.71
	2006	2388	-31	-65	286	2578	51.70	23.69	2.38	23.13	100.89
	2016	3548	-20	-89	431	3868	70.01	35.62	3.99	31.71	141.33
	1988	-				-	-				-
	1992	-	153	67	12	233	-	18.15	4.67	2.88	25.69
71	1996	-	188	82	44	315	-	21.85	5.38	10.10	37.33
	2006	-	307	133	70	511	-	33.30	7.83	14.61	55.74
	2016	-	482	207	107	796	-	48.44	11.18	20.36	79.98
	1988	101				101	5.30				5.30
	1992	123	181	127	-	431	5.19	7.35	5.19	.55	19.28
72	1996	149	221	155	-	525	7.17	8.50	6.12	1.98	23.77
	2006	236	354	250	-	840	10.27	12.12	8.83	2.92	34.14
	2016	362	548	388	-	1297	14.22	16.71	12.09	4.16	47.16

TRAFFIC PROJECTION BOHOL

Movement of Passengers and Commodity

Link	Year	Number of Passengers					Commodity Tonnage				
		Normal	Diver-ted-1	Diver-ted-2	Gene-rated	Total	Normal	Diver-ted-1	Diver-ted-2	Gene-rated	Total
	1988	471				471	22.70				22.70
	1992	577	-19	-34	60	584	26.60	-1.05	-1.58	3.36	27.34
73	1996	704	-23	-41	221	861	31.01	-1.20	-1.81	11.82	39.83
	2006	1128	-36	-67	358	1383	44.68	-1.67	-2.57	17.20	57.64
	2016	1740	-56	-103	557	2140	62.12	-2.26	-3.61	24.12	80.37
	1988	646				646	37.98				37.98
	1992	766	-111	5	26	685	43.29	-6.58	.10	.79	37.60
74	1996	906	-132	6	87	867	49.27	-7.48	.10	2.67	44.55
	2006	1361	-199	9	126	1296	67.15	-10.21	.09	3.56	60.60
	2016	1994	-294	13	178	1891	89.31	-13.58	.10	4.65	80.48
	1988	-				-	-				-
	1992	-	111	-6	252	357	-	6.58	-.11	5.25	11.73
75	1996	-	132	-6	895	1021	-	7.48	-.09	17.94	25.32
	2006	-	199	-9	1350	1540	-	10.21	-.09	24.52	34.64
	2016	-	294	-13	1984	2265	-	13.58	-.11	32.69	46.17
	1988	1180				1180	86.89				86.89
	1992	1466	-	-	437	1903	103.82	-	-.02	8.76	112.56
76	1996	1813	-	-	1615	3428	123.49	-	-.01	31.23	154.71
	2006	2997	-	-1	2652	5649	185.26	-	-.02	46.70	231.94
	2016	4744	-	-1	4177	8920	266.11	-	-.06	66.92	332.97
	1988	4				4	.23				.23
	1992	5	-	-	91	96	.28	-	.02	.76	1.06
77	1996	6	-	-	344	350	.34	-	.02	2.78	3.13
	2006	10	-	1	585	596	.51	-	.03	4.32	4.86
	2016	16	-	1	946	963	.75	-	.04	6.37	7.16
	1988	168				168	7.26				7.26
	1992	208	-	-	281	488	8.67	-	-.01	4.77	13.43
78	1996	257	-	-	1037	1293	10.30	-	-.02	16.95	27.23
	2006	423	-	-1	1694	2117	15.41	-	-.02	25.22	40.60
	2016	668	-	-1	2657	3324	22.09	-	-.04	35.99	58.04
	1988	839				839	49.27				49.27
	1992	1050	-	-	378	1429	59.37	-	.01	8.28	67.66
79	1996	1309	-	-	1415	2724	71.19	-	.01	29.78	100.99
	2006	2202	-	-	2379	4581	108.64	-	.02	45.45	154.11
	2016	3534	-	-	3817	7351	158.22	-	.01	66.19	224.43
	1988	171				171	7.50				7.50
	1992	212	-	-	372	585	8.95	-	-	5.54	14.49
80	1996	262	-	-	1381	1644	10.63	-	-	19.73	30.37
	2006	433	-	-	2279	2712	15.92	-	.01	29.54	45.46
	2016	684	-	-	3603	4287	22.83	-	-	42.36	65.20

Traffic Volume

Link	Year	w/o								with							
		Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total	Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total
1	1988	370	486	129	122	1107	-	393	-	1500									
	1992	447	589	158	146	1340	-	477	-	1816	486	570	158	149	1363	-	440	-	1803
	1996	539	712	193	174	1619	-	577	-	2196	687	650	196	184	1717	-	447	-	2165
	2006	834	1113	313	260	2521	-	906	-	3427	1069	1021	319	275	2685	-	695	-	3380
	2016	1243	1673	489	373	3779	-	1369	-	5148	1603	1546	498	396	4042	-	1041	-	5083
2	1988	324	422	107	111	963	-	339	-	1302									
	1992	392	512	131	133	1169	-	413	-	1581	427	496	132	136	1190	-	383	-	1573
	1996	475	622	162	159	1417	-	501	-	1919	605	566	165	169	1505	-	394	-	1900
	2006	740	977	264	240	2221	-	792	-	3013	947	896	270	254	2368	-	617	-	2984
	2016	1107	1476	415	346	3343	-	1201	-	4545	1426	1362	425	367	3581	-	927	-	4508
3	1988	280	349	102	92	824	-	297	-	1121									
	1992	338	424	126	110	998	-	361	-	1360	361	413	126	114	1015	-	336	-	1351
	1996	409	515	155	132	1210	-	439	-	1649	496	477	158	147	1278	-	346	-	1624
	2006	634	808	252	199	1893	-	692	-	2585	774	753	258	222	2007	-	540	-	2548
	2016	942	1219	394	288	2844	-	1050	-	3894	1162	1144	405	321	3032	-	813	-	3845
4	1988	153	197	63	47	459	-	169	-	628									
	1992	184	238	77	56	555	-	205	-	759	183	216	72	54	525	-	176	-	701
	1996	222	287	93	67	670	-	248	-	918	253	250	89	70	661	-	177	-	838
	2006	341	448	150	101	1040	-	388	-	1428	391	390	143	104	1028	-	274	-	1302
	2016	504	672	233	145	1554	-	584	-	2138	583	587	221	149	1540	-	410	-	1950
5	1988	123	66	90	63	343	-	157	-	499									
	1992	148	80	110	75	414	-	190	-	604	152	88	104	65	409	-	164	-	574
	1996	178	97	134	90	499	-	230	-	729	219	139	129	55	552	-	166	-	718
	2006	274	150	215	135	774	-	360	-	1133	337	213	206	98	854	-	257	-	1111
	2016	403	224	333	194	1154	-	542	-	1696	500	314	319	140	1274	-	383	-	1657
6	1988	134	74	107	66	381	-	178	-	559									
	1992	161	89	131	78	458	-	215	-	673	166	97	124	67	454	-	185	-	638
	1996	193	107	158	93	551	-	259	-	810	238	149	153	66	606	-	182	-	789
	2006	293	165	252	138	847	-	401	-	1249	364	227	242	98	931	-	280	-	1211
	2016	429	245	387	196	1257	-	601	-	1858	537	333	371	140	1381	-	416	-	1797
7	1988	104	50	96	56	306	-	150	-	456									
	1992	124	60	117	66	367	-	180	-	548	128	73	110	56	368	-	157	-	525
	1996	149	73	142	78	442	-	218	-	659	184	127	130	57	499	-	155	-	654
	2006	225	111	226	117	679	-	338	-	1017	281	194	208	85	767	-	239	-	1006
	2016	329	163	348	167	1006	-	507	-	1513	415	285	319	121	1139	-	355	-	1494
8	1988	118	80	96	63	358	-	166	-	524									
	1992	142	96	117	75	431	-	201	-	632	154	99	115	61	429	-	172	-	601
	1996	171	116	143	89	520	-	243	-	762	237	137	148	55	578	-	168	-	746
	2006	264	182	228	132	805	-	378	-	1183	366	210	236	82	894	-	259	-	1153
	2016	392	274	352	187	1204	-	569	-	1773	544	309	363	116	1333	-	386	-	1719

TRAFFIC PROJECTION BOHOL

Traffic Volume

Link	Year	w/o								with							
		Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total	Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total
9	1988	76	38	106	58	278	-	151	-	430									
	1992	91	46	129	68	335	-	183	-	517	102	61	118	53	334	-	153	-	487
	1996	109	55	157	81	402	-	220	-	622	170	120	138	47	474	-	148	-	622
	2006	166	85	249	118	619	-	342	-	961	258	182	219	69	728	-	227	-	955
	2016	242	127	383	168	920	-	514	-	1434	380	267	337	97	1081	-	338	-	1418
10	1988	34	91	92	62	279	-	153	-	433									
	1992	40	110	112	74	336	-	185	-	521	66	101	108	57	332	-	155	-	487
	1996	48	132	136	87	403	-	223	-	626	151	121	141	47	460	-	149	-	609
	2006	73	204	216	127	620	-	345	-	965	228	183	224	69	704	-	229	-	933
	2016	107	304	331	179	922	-	517	-	1498	333	268	343	97	1041	-	339	-	1380
11	1988	107	86	117	58	368	-	182	-	550									
	1992	127	103	143	68	442	-	219	-	662	132	102	133	56	423	-	182	-	605
	1996	151	124	175	80	530	-	264	-	794	201	141	162	56	560	-	174	-	734
	2006	228	189	279	117	812	-	410	-	1223	305	215	259	81	860	-	268	-	1128
	2016	330	280	429	164	1203	-	616	-	1819	448	315	399	113	1276	-	399	-	1674
12	1988	66	55	95	57	272	-	146	-	418									
	1992	79	66	116	67	327	-	176	-	503	96	75	115	53	340	-	154	-	493
	1996	94	79	141	78	393	-	211	-	604	181	127	159	46	514	-	161	-	675
	2006	143	123	224	114	604	-	328	-	932	275	193	253	67	789	-	247	-	1036
	2016	210	184	345	161	899	-	492	-	1391	404	283	389	94	1171	-	367	-	1537
13	1988	77	68	90	53	277	-	141	-	418									
	1992	92	70	109	62	333	-	170	-	503	109	79	109	50	347	-	150	-	497
	1996	110	84	133	73	400	-	204	-	604	201	134	151	46	532	-	158	-	691
	2006	167	130	211	106	616	-	317	-	933	307	204	241	66	820	-	244	-	1064
	2016	247	196	325	149	916	-	475	-	1391	455	301	371	93	1220	-	363	-	1583
14	1988	64	11	97	44	215	-	125	-	340									
	1992	76	13	118	52	258	-	150	-	408	83	34	101	38	255	-	119	-	374
	1996	89	15	142	61	308	-	180	-	487	150	100	118	32	400	-	119	-	519
	2006	134	23	225	87	469	-	277	-	746	228	151	186	47	612	-	182	-	794
	2016	193	34	343	121	692	-	413	-	1104	335	221	284	65	905	-	270	-	1175
15	1988	65	87	75	32	259	-	123	-	382									
	1992	78	105	93	38	312	-	149	-	461	111	125	110	43	390	-	161	-	550
	1996	92	126	113	44	375	-	180	-	555	188	163	150	48	549	-	166	-	716
	2006	140	194	182	64	580	-	282	-	862	289	253	242	71	854	-	259	-	1113
	2016	204	289	283	90	865	-	426	-	1291	428	378	376	99	1281	-	388	-	1670
16	1988	362	490	147	106	1105	-	402	-	1507									
	1992	434	591	180	124	1329	-	486	-	1814	426	521	163	120	1230	-	405	-	1635
	1996	520	710	219	146	1595	-	585	-	2180	582	586	200	154	1522	-	395	-	1917
	2006	794	1096	352	212	2454	-	908	-	3362	896	912	321	223	2353	-	607	-	2959
	2016	1172	1634	543	297	3646	-	1359	-	5005	1333	1369	496	313	3511	-	899	-	4410

TRAFFIC PROJECTION BOHOL

Traffic Volume

Link	Year	w/o Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total	with Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total
	1988	203	241	129	82	555	-	235	-	890									
	1992	243	291	157	97	787	-	283	-	1070	252	312	135	94	792	-	246	-	1038
17	1996	291	349	191	114	945	-	340	-	1285	345	454	125	112	1036	-	231	-	1267
	2006	440	536	305	168	1451	-	526	-	1977	527	707	200	164	1598	-	351	-	1949
	2016	643	800	470	237	2150	-	784	-	2934	777	1063	309	232	2381	-	516	-	2896
	1988	172	202	105	70	549	-	196	-	746									
	1992	206	244	129	83	662	-	237	-	899	211	258	109	80	659	-	204	-	863
18	1996	247	294	157	99	796	-	286	-	1082	288	376	102	96	862	-	194	-	1056
	2006	376	454	251	147	1228	-	443	-	1671	443	587	163	143	1335	-	296	-	1632
	2016	551	678	388	209	1825	-	662	-	2488	656	885	252	203	1996	-	437	-	2433
	1988	124	148	80	49	401	-	144	-	545									
	1992	148	178	97	58	482	-	173	-	655	154	193	85	56	489	-	152	-	640
19	1996	177	214	118	69	578	-	208	-	787	212	282	79	68	641	-	142	-	782
	2006	270	329	186	104	888	-	322	-	1210	324	436	124	101	985	-	216	-	1201
	2016	396	489	283	148	1317	-	479	-	1795	479	653	189	144	1465	-	318	-	1782
	1988	124	148	80	49	402	-	144	-	546									
	1992	149	178	97	59	483	-	174	-	657	155	194	85	56	490	-	152	-	642
20	1996	178	215	118	70	580	-	209	-	790	213	283	79	68	644	-	143	-	786
	2006	271	331	186	104	892	-	323	-	1215	326	439	124	102	991	-	217	-	1208
	2016	398	492	285	149	1323	-	481	-	1805	482	657	190	145	1474	-	320	-	1794
	1988	133	14	107	53	307	219	146	-	672									
	1992	158	17	130	63	369	263	175	-	807	160	89	105	59	414	169	152	-	734
21	1996	188	21	158	74	441	316	210	-	967	213	281	78	69	641	-	142	-	783
	2006	282	32	250	110	674	485	324	-	1483	324	436	124	101	985	-	216	-	1201
	2016	408	47	384	156	994	718	481	-	2194	477	652	189	143	1462	-	317	-	1779
	1988	123	185	77	45	431	-	151	-	582									
	1992	147	222	93	53	515	-	181	-	696	157	230	86	52	525	-	159	-	684
22	1996	174	266	113	62	615	-	217	-	831	218	304	91	62	675	-	144	-	818
	2006	260	409	179	89	937	-	332	-	1269	330	469	143	89	1030	-	216	-	1247
	2016	378	609	273	124	1384	-	492	-	1877	483	700	218	123	1525	-	316	-	1840
	1988	123	186	78	45	431	-	152	-	583									
	1992	146	223	94	52	516	-	182	-	697	157	232	88	52	528	-	160	-	688
23	1996	173	267	114	61	615	-	217	-	833	221	310	93	62	686	-	146	-	832
	2006	260	411	180	88	939	-	333	-	1271	334	477	146	89	1046	-	219	-	1266
	2016	377	611	275	123	1386	-	493	-	1880	490	711	222	124	1547	-	320	-	1867
	1988	106	163	70	37	376	-	133	-	509									
	1992	126	195	84	44	449	-	158	-	607	135	202	78	43	458	-	139	-	597
24	1996	149	233	101	51	534	-	189	-	723	191	270	82	52	596	-	126	-	722
	2006	222	357	159	74	811	-	288	-	1100	288	414	128	75	905	-	188	-	1093
	2016	322	529	241	103	1196	-	426	-	1621	420	615	194	104	1333	-	274	-	1607

TRAFFIC PROJECTION BOHOL

Traffic Volume

Link	Year	w/o									with							
		Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total	Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total
	1988	74	145	75	35	328	-	124	-	461								
	1992	87	173	90	41	390	-	148	-	538	99	184	77	39	399	-	127	-	526
25	1996	103	206	108	47	464	-	176	-	640	157	266	71	48	541	-	116	-	657
	2006	153	312	169	68	703	-	268	-	971	234	406	110	69	818	-	173	-	991
	2016	221	460	256	95	1032	-	396	-	1429	340	601	166	95	1202	-	251	-	1453
	1988	51	55	68	25	199	-	84	-	283								
	1992	61	66	83	30	240	-	102	-	343	71	97	71	29	268	-	91	-	359
26	1996	73	80	102	35	290	-	123	-	413	116	197	53	35	401	-	86	-	486
	2006	111	123	164	52	451	-	194	-	644	177	310	85	51	623	-	131	-	754
	2016	164	184	254	74	676	-	293	-	969	263	469	131	72	934	-	194	-	1129
	1988	37	40	47	19	143	-	60	-	203								
	1992	44	48	58	22	172	-	73	-	245	51	69	49	21	191	-	65	-	256
27	1996	53	57	71	26	207	-	88	-	294	84	140	37	26	287	-	62	-	349
	2006	80	88	113	38	319	-	137	-	456	128	219	59	38	444	-	94	-	538
	2016	117	130	176	54	477	-	206	-	683	188	331	91	53	663	-	139	-	802
	1988	27	29	35	14	105	-	44	-	149								
	1992	32	35	43	16	126	-	53	-	179	40	55	40	16	151	-	51	-	202
28	1996	38	42	52	19	152	-	64	-	216	69	121	33	20	243	-	51	-	294
	2006	59	65	84	28	235	-	101	-	336	106	189	52	29	377	-	79	-	456
	2016	86	96	131	39	352	-	152	-	504	157	286	81	41	566	-	116	-	682
	1988	59	140	38	29	265	-	91	-	356								
	1992	72	171	47	35	324	-	112	-	436	93	190	51	37	370	-	110	-	480
29	1996	87	209	58	41	395	-	136	-	531	161	261	69	43	534	-	113	-	647
	2006	138	337	95	62	632	-	218	-	850	254	424	114	65	857	-	179	-	1036
	2016	209	522	151	89	971	-	336	-	1307	385	659	181	93	1319	-	272	-	1591
	1988	93	152	58	35	337	-	88	-	426								
	1992	113	185	71	42	411	-	108	-	520	135	202	69	54	460	-	117	-	577
30	1996	137	226	87	51	501	-	132	-	633	192	245	67	83	588	-	142	-	730
	2006	214	356	142	78	791	-	212	-	1002	302	394	109	128	933	-	224	-	1157
	2016	320	539	222	115	1197	-	326	-	1522	456	607	171	189	1423	-	337	-	1761
	1988	76	120	41	30	266	-	66	-	332								
	1992	93	147	50	36	326	-	81	-	408	114	169	51	48	375	-	93	-	469
31	1996	114	180	62	44	399	-	100	-	499	162	194	50	75	481	-	120	-	601
	2006	179	287	102	69	637	-	161	-	798	257	314	83	116	770	-	190	-	960
	2016	270	437	161	102	969	-	250	-	1219	389	487	131	172	1180	-	288	-	1468
	1988	66	48	38	48	199	-	61	-	259								
	1992	79	59	46	59	244	-	75	-	319	102	94	49	65	310	-	88	-	398
32	1996	97	73	57	72	300	-	92	-	391	154	190	51	69	464	-	114	-	577
	2006	154	119	94	114	481	-	149	-	630	245	308	83	108	744	-	181	-	925
	2016	233	187	149	170	739	-	231	-	970	372	480	132	160	1145	-	276	-	1420

TRAFFIC PROJECTION BOHOL

Traffic Volume

Link	Year	w/o									with							
		Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total	Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total
33	1988	62	15	53	46	177	-	60	-	236									
	1992	77	18	66	57	217	-	74	-	291	101	53	65	63	293	-	89	-	382
	1996	94	23	81	69	267	-	91	-	357	154	193	52	68	468	-	114	-	582
	2006	149	37	133	109	429	-	147	-	576	245	314	86	106	751	-	182	-	933
	2016	226	57	211	163	658	-	229	-	887	373	488	136	158	1156	-	276	-	1432
34	1988	94	75	47	52	267	-	79	-	346									
	1992	115	92	58	64	329	-	97	-	426	148	136	68	73	425	-	123	-	548
	1996	140	113	72	78	403	-	119	-	521	209	236	77	78	601	-	169	-	770
	2006	223	185	117	121	647	-	192	-	839	332	381	127	121	961	-	269	-	1230
	2016	340	290	186	180	996	-	298	-	1294	505	590	199	178	1473	-	411	-	1884
35	1988	117	105	68	59	350	-	107	-	457									
	1992	144	132	85	71	431	-	132	-	563	165	165	85	73	487	-	143	-	631
	1996	175	163	105	85	528	-	162	-	690	295	281	97	79	692	-	191	-	883
	2006	279	270	175	129	853	-	265	-	1118	373	458	161	120	1112	-	306	-	1418
	2016	426	428	280	188	1321	-	416	-	1737	570	715	257	173	1715	-	469	-	2184
36	1988	36	25	31	26	119	-	38	-	157									
	1992	44	31	39	31	146	-	47	-	193	71	63	49	40	222	-	69	-	291
	1996	64	38	49	38	179	-	58	-	237	120	138	46	44	348	-	97	-	445
	2006	86	62	82	58	288	-	95	-	383	191	224	76	67	558	-	156	-	713
	2016	131	95	131	85	443	-	149	-	592	291	349	120	98	858	-	238	-	1096
37	1988	33	23	29	23	108	-	35	-	143									
	1992	40	28	36	28	132	-	43	-	175	66	59	45	37	207	-	64	-	271
	1996	49	34	44	34	161	-	53	-	214	115	133	44	41	333	-	93	-	427
	2006	77	55	73	52	257	-	86	-	343	182	215	73	63	532	-	148	-	680
	2016	117	86	117	76	394	-	133	-	527	276	333	116	91	816	-	225	-	1041
38	1988	29	21	28	19	97	-	33	-	129									
	1992	35	25	35	22	118	-	40	-	158	65	59	47	35	206	-	64	-	270
	1996	42	31	43	27	143	-	49	-	192	115	136	46	40	336	-	94	-	430
	2006	66	49	71	40	226	-	78	-	305	181	218	76	60	534	-	148	-	682
	2016	99	75	112	58	344	-	121	-	465	273	336	119	86	815	-	224	-	1038
39	1988	25	18	25	16	84	-	28	-	113									
	1992	30	22	31	19	103	-	35	-	137	62	57	46	33	197	-	62	-	259
	1996	37	27	38	23	125	-	43	-	167	110	131	45	37	324	-	90	-	414
	2006	57	43	62	35	198	-	69	-	267	173	211	74	56	515	-	142	-	657
	2016	87	66	98	50	301	-	106	-	408	263	327	116	82	787	-	216	-	1003
40	1988	134	100	17	13	263	484	353	-	1101									
	1992	158	120	20	15	312	577	422	-	1311	174	125	30	20	349	439	361	-	1149
	1996	186	143	24	17	370	685	502	-	1557	247	161	62	37	507	162	267	-	936
	2006	277	218	38	24	556	1035	765	-	2355	366	247	97	52	763	254	397	-	1413
	2016	399	322	57	32	811	1519	1130	-	3460	528	368	146	72	1114	384	571	-	2069

TRAFFIC PROJECTION BOHOL

Traffic Volume

Link	Year	w/o									with							
		Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total	Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total
	1988	41	32	6	3	82	161	123	-	365								
	1992	49	39	7	4	98	194	148	-	441	57	43	11	6	118	158	131	-	406
41	1996	58	47	9	4	118	234	179	-	530	91	65	26	12	194	68	99	-	360
	2006	89	73	14	6	182	364	280	-	826	139	101	41	17	299	108	150	-	558
	2016	132	110	22	9	273	547	424	-	1243	206	154	63	24	447	165	222	-	834
	1988	31	45	17	6	98	-	38	-	136									
	1992	37	54	21	7	119	-	46	-	164	76	91	31	16	215	25	80	-	319
42	1996	44	65	25	8	143	-	56	-	198	115	101	35	19	270	91	98	-	458
	2006	69	102	41	11	223	-	87	-	310	176	157	65	28	416	144	153	-	713
	2016	103	154	63	16	335	-	132	-	467	260	236	85	39	620	222	229	-	1071
	1988	11	12	14	3	40	-	16	-	56									
	1992	13	14	17	4	48	-	19	-	67	18	18	14	4	53	7	20	-	81
43	1996	16	17	20	4	57	-	23	-	80	32	29	10	5	77	27	28	-	132
	2006	24	25	32	6	88	-	35	-	123	50	45	16	7	118	43	44	-	205
	2016	36	37	49	8	130	-	53	-	183	73	68	25	10	176	66	66	-	307
	1988	2	2	2	.2	7	.0	10	.8	17									
	1992	3	2	3	.2	8	.1	12	.3	20	3	3	2	.4	9	2	10	.4	21
44	1996	3	2	3	.3	9	.1	14	.3	23	4	6	2	.8	13	6	8	-	27
	2006	4	3	5	.3	13	.1	21	.4	34	6	8	3	1	19	8	12	-	39
	2016	6	5	7	.4	19	.1	30	.6	49	9	12	5	2	27	12	17	-	56
	1988	37	25	32	11	105	-	87	-	192									
	1992	44	30	39	13	126	-	105	-	231	53	40	36	16	144	20	113	-	278
45	1996	52	35	47	15	150	-	126	-	276	73	66	28	22	189	74	137	-	400
	2006	78	54	74	21	228	-	197	-	425	110	103	44	32	289	117	208	-	614
	2016	113	80	114	30	336	-	297	-	633	160	157	68	44	429	178	306	-	912
	1988	51	35	44	15	145	-	120	-	265									
	1992	61	41	54	18	174	-	145	-	318	73	54	47	23	197	27	153	-	376
46	1996	72	49	66	21	207	-	175	-	382	102	89	37	33	261	98	191	-	551
	2006	108	75	103	30	316	-	273	-	589	155	140	60	48	402	156	292	-	850
	2016	157	111	158	41	467	-	413	-	880	228	213	91	67	599	239	431	-	1269
	1988	44	1	53	21	119	89	131	-	339									
	1992	52	2	64	25	143	108	158	-	409	58	25	51	23	157	95	147	-	399
47	1996	62	2	78	28	171	130	190	-	490	93	89	39	26	248	101	177	-	526
	2006	94	3	124	41	261	201	297	-	760	142	141	61	38	381	160	271	-	812
	2016	137	5	189	56	388	303	449	-	1140	209	214	93	52	568	245	400	-	1213
	1988	73	-	83	32	187	5	149	10	351									
	1992	88	-	103	38	229	6	184	12	431	95	32	76	33	236	40	179	7	462
48	1996	107	-	127	45	280	7	226	14	526	159	127	54	35	375	142	261	-	777
	2006	169	-	212	68	450	10	366	21	847	253	210	90	53	606	237	419	-	1262
	2016	257	-	339	99	694	15	570	30	1310	385	333	145	76	940	379	647	-	1966

TRAFFIC PROJECTION BOHOL

Traffic Volume

Link	Year	w/o									with							
		Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total	Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total
49	1988	48	-	74	23	145	-	125	7	277									
	1992	58	-	91	27	176	-	152	8	336	72	30	71	25	199	34	157	5	394
	1996	69	-	111	32	212	-	184	10	406	137	116	50	28	330	131	228	-	689
	2006	105	-	180	47	332	-	292	14	637	212	187	81	41	521	213	358	-	1092
	2016	155	-	280	66	500	-	444	20	966	316	290	127	58	791	333	541	-	1664
50	1988	44	-	53	18	116	3	93	6	217									
	1992	53	-	65	22	139	3	113	7	262	57	20	48	19	144	25	110	4	283
	1996	63	-	79	25	167	4	135	8	314	97	80	35	20	232	90	161	-	484
	2006	95	-	125	37	257	6	211	11	485	149	128	55	30	362	145	249	-	756
	2016	140	-	193	51	384	8	318	16	725	220	196	86	42	544	225	373	-	1142
51	1988	51	-	60	22	133	3	107	7	250									
	1992	61	-	73	26	160	4	129	8	301	67	23	55	23	168	29	128	5	330
	1996	73	-	89	30	192	5	155	9	361	117	95	41	25	277	107	193	-	576
	2006	111	-	141	44	296	7	241	13	557	179	151	65	36	432	171	298	-	901
	2016	162	-	217	62	441	9	363	19	832	264	233	101	51	649	265	446	-	1361
52	1988	51	57	20	15	143	3	105	5	256									
	1992	59	68	24	18	169	3	124	6	303	35	42	16	10	103	16	79	2	200
	1996	69	81	28	20	199	4	147	7	357	41	46	20	13	120	52	97	-	269
	2006	100	124	43	28	295	5	222	10	532	60	68	30	18	175	78	143	-	396
	2016	140	185	64	38	427	7	326	14	773	85	100	44	24	252	114	204	-	570
53	1988	17	10	28	10	65	1	31	6	103									
	1992	20	12	34	11	77	2	37	7	122	31	24	31	16	103	18	62	7	189
	1996	23	14	40	13	91	2	43	8	144	55	54	23	20	151	60	124	-	335
	2006	34	22	61	19	136	3	65	11	215	82	82	35	28	227	92	187	-	506
	2016	49	31	92	26	197	4	95	15	311	118	123	53	39	332	138	272	-	742
54	1988	8	4	19	3	35	6	23	3	68									
	1992	10	5	23	3	41	7	27	3	79	14	12	20	4	51	16	36	3	106
	1996	11	6	27	4	47	8	32	4	91	25	32	14	6	78	38	62	-	178
	2006	16	8	40	5	69	12	46	5	132	36	48	21	8	113	56	91	-	260
	2016	22	12	58	6	98	16	66	6	186	50	70	31	10	161	82	129	-	372
55	1988	4	2	20	3	28	12	30	4	75									
	1992	4	2	23	3	33	14	35	5	87	10	11	21	4	47	22	44	4	116
	1996	5	3	28	4	38	17	41	5	101	25	33	15	6	80	39	64	-	182
	2006	6	4	41	6	56	24	59	7	146	37	49	22	8	116	58	93	-	266
	2016	8	5	60	6	79	34	83	8	205	51	71	32	10	165	84	132	-	381
56	1988	13	-	52	17	82	14	101	4	201									
	1992	15	-	63	20	98	16	121	5	241	25	20	51	21	117	36	126	3	282
	1996	18	-	76	23	117	19	145	6	286	53	74	34	26	187	90	162	-	440
	2006	27	-	118	32	177	29	221	8	435	81	115	54	37	286	141	246	-	673
	2016	38	-	179	44	262	42	328	11	643	119	174	81	50	424	213	362	-	999

TRAFFIC PROJECTION BOHOL

Traffic Volume

Link	Year	w/o									with								
		Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total	Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total
57	1988	4	15	8	-	27	.3	33	.6	61									
	1992	4	18	9	-	31	.3	39	.7	71	7	18	9	.3	33	7	36	.5	76
	1996	5	21	11	-	36	.4	45	.7	82	13	19	9	1	43	23	33	-	98
	2006	6	30	16	-	52	.5	65	.9	117	19	28	13	1	61	33	47	-	142
	2016	9	42	22	-	73	.6	91	1	165	26	40	18	2	87	48	67	-	202
58	1988	4	5	.5	.5	9	5	14	3	31									
	1992	5	6	.6	.6	12	6	17	4	38	4	3	.5	.4	8	3	9	1	22
	1996	6	7	.7	.7	14	7	21	4	47	5	4	1	.5	11	2	8	-	21
	2006	9	11	1	1	23	11	35	6	75	9	6	2	.7	18	4	12	-	34
	2016	14	18	2	1	36	18	55	9	117	14	10	3	1	27	6	19	-	52
59	1988	56	-	-	-	56	-	-	-	56									
	1992	68	-	-	-	68	-	-	-	68	34	1	.4	.6	36	-	6	-	42
	1996	83	-	-	-	83	-	-	-	83	6	5	1	3	15	-	26	-	41
	2006	131	-	-	-	131	-	-	-	131	10	8	2	4	24	-	41	-	65
	2016	200	-	-	-	200	-	-	-	200	14	12	4	5	36	-	63	-	99
60	1988	3	.2	3	3	9	-	15	.7	25									
	1992	4	.2	4	3	11	-	18	.8	30	11	4	6	9	30	-	44	2	75
	1996	5	.3	5	4	14	-	22	.9	37	20	16	4	11	50	-	79	-	129
	2006	7	.4	7	6	21	-	35	1	57	31	25	6	16	78	-	125	-	203
	2016	11	.7	12	8	31	-	54	2	87	47	38	10	23	117	-	189	-	306
61	1988	20	.9	16	21	58	-	83	5	147									
	1992	25	1	20	25	71	-	103	6	180	27	10	15	20	72	-	112	3	188
	1996	30	1	25	30	86	-	126	7	219	51	42	11	23	128	-	212	-	340
	2006	47	2	41	44	135	-	205	11	351	82	68	19	35	204	-	342	-	545
	2016	71	4	65	64	204	-	320	15	540	125	105	30	50	310	-	529	-	839
62	1988	1	7	-	.6	9	18	20	-	47									
	1992	2	8	-	.6	10	20	23	-	54	3	9	.5	.8	12	17	26	-	56
	1996	2	9	-	.7	12	23	27	-	62	4	9	2	1	17	7	30	-	54
	2006	3	13	-	.8	16	33	38	-	88	6	13	2	1	24	10	43	-	76
	2016	4	18	-	1	23	47	53	-	123	9	19	3	2	33	14	60	-	107
63	1988	2	2	6	.4	12	-	6	-	17									
	1992	3	3	7	.4	13	-	6	-	19	26	32	23	12	94	10	77	-	181
	1996	3	3	8	.5	15	-	7	-	22	33	52	9	22	116	35	192	-	344
	2006	4	4	12	.6	21	-	10	-	31	50	81	14	31	176	54	291	-	521
	2016	6	6	17	.7	29	-	14	-	43	72	120	21	43	256	82	429	-	767
64	1988	21	25	-	6	52	5	69	-	126									
	1992	25	30	-	7	62	6	84	-	161	30	31	1	8	71	4	96	-	170
	1996	30	35	-	8	74	7	100	-	181	54	41	7	13	114	-	145	-	260
	2006	46	55	-	12	113	10	155	-	278	84	64	11	18	178	-	227	-	405
	2016	67	82	-	17	166	15	233	-	414	126	98	17	26	267	-	343	-	610

Traffic Volume

Link	Year	w/o									with								
		Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total	Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total
65	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	3	3	.2	.4	7	3	11	-	20
	1996	-	-	-	-	-	-	-	-	-	7	6	1	1	15	-	20	-	35
	2006	-	-	-	-	-	-	-	-	-	10	9	2	1	22	-	29	-	51
	2016	-	-	-	-	-	-	-	-	-	15	13	2	2	31	-	42	-	73
66	1988	.1	.1	-	.0	.2	.0	2	-	2									
	1992	.1	.1	-	.0	.2	.0	2	-	2	7	4	.4	.9	13	5	61	-	79
	1996	.2	.1	-	.0	.2	.0	2	-	2	14	11	2	2	29	-	38	-	67
	2006	.2	.1	-	.0	.3	.1	3	-	3	20	16	3	3	43	-	56	-	99
	2016	.3	.1	-	.0	.4	.1	4	-	4	29	24	4	4	61	-	80	-	142
67	1988	.1	-	-	.0	.1	1	.8	-	2									
	1992	.1	-	-	.0	.1	1	.9	-	2	4	1	.3	.5	7	23	21	-	51
	1996	.2	-	-	.0	.2	1	1	-	2	7	5	.9	1	14	-	18	-	32
	2006	.2	-	-	.0	.2	2	1	-	3	10	8	1	2	21	-	27	-	48
	2016	.3	-	-	.0	.3	2	2	-	4	14	11	2	2	30	-	39	-	69
68	1988	5	-	22	6	33	5	41	2	80									
	1992	6	-	25	7	38	6	48	2	94	8	6	23	7	44	4	50	1	100
	1996	7	-	30	8	45	7	56	2	110	13	23	21	9	66	-	64	-	131
	2006	10	-	45	11	65	11	82	3	161	19	34	32	13	97	-	93	-	191
	2016	13	-	65	15	93	15	117	4	229	27	49	46	17	139	-	133	-	272
69	1988	-	-	-	.7	.7	-	148	16	165									
	1992	-	-	-	.8	.8	-	173	18	191	1	2	2	1	7	-	129	15	151
	1996	-	-	-	.9	.9	-	202	20	222	5	10	9	3	26	-	24	-	50
	2006	-	-	-	1	1	-	294	26	320	7	14	13	3	37	-	35	-	72
	2016	-	-	-	1	1	-	420	31	453	9	20	19	4	52	-	49	-	101
70	1988	12	13	23	5	52	.9	36	2	90									
	1992	14	16	27	5	62	1	41	2	106	20	22	25	8	75	1	55	2	134
	1996	18	18	33	6	73	1	49	2	125	31	39	26	12	107	-	93	-	200
	2006	23	27	50	9	108	2	73	3	186	45	59	41	17	162	-	140	-	302
	2016	31	40	74	12	157	2	105	5	269	65	87	61	24	237	-	205	-	442
71	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	3	3	1	1	8	-	76	113	197
	1996	-	-	-	-	-	-	-	-	-	13	11	5	6	35	-	30	-	65
	2006	-	-	-	-	-	-	-	-	-	20	17	8	9	54	-	46	-	100
	2016	-	-	-	-	-	-	-	-	-	29	25	13	13	80	-	68	-	148
72	1988	-	-	-	-	-	.3	44	35	79									
	1992	-	-	-	-	-	.4	53	41	95	3	3	2	1	10	1	132	86	228
	1996	-	-	-	-	-	.5	64	48	113	10	12	8	4	35	-	30	-	65
	2006	-	-	-	-	-	.8	102	68	171	15	19	13	6	53	-	46	-	100
	2016	-	-	-	-	-	1	156	95	252	22	29	20	8	79	-	69	-	148

TRAFFIC PROJECTION BOHOL

Traffic Volume

Link	Year	w/o									with							
		Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total	Car /Van	Jeep-ney	Bus	Tru-ck	Sub-Total	Tri-cycl	Mot. cycl	Ani-mal	Total
	1988	11	-	11	5	27	.8	21	2	50								
	1992	13	-	14	6	32	.9	26	2	61	15	5	11	6	37	.6	35	1	73
73	1996	15	-	17	7	39	1	31	2	73	29	21	9	7	66	-	76	-	142
	2006	23	-	27	10	59	1	48	3	112	43	34	15	10	102	-	119	-	221
	2016	33	-	41	14	88	2	72	4	166	64	52	23	13	152	-	180	-	332
	1988	8	17	7	9	42	7	56	-	105									
	1992	10	20	9	11	49	8	66	-	123	12	19	8	9	47	5	51	-	102
74	1996	11	23	10	12	57	10	78	-	144	22	27	10	10	68	-	41	-	109
	2006	16	34	15	17	83	14	115	-	211	31	39	15	13	99	-	58	-	157
	2016	22	50	23	22	117	20	166	-	302	44	56	22	17	140	-	81	-	221
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	5	9	4	3	21	2	23	-	46
75	1996	-	-	-	-	-	-	-	-	-	20	28	12	5	66	-	35	-	101
	2006	-	-	-	-	-	-	-	-	-	30	43	18	8	98	-	51	-	149
	2016	-	-	-	-	-	-	-	-	-	43	62	27	10	142	-	72	-	214
	1988	17	32	13	21	85	14	108	-	207									
	1992	21	40	17	26	103	17	133	-	253	33	53	22	27	135	14	143	-	292
76	1996	25	49	21	30	125	21	163	-	309	81	103	41	34	258	-	152	-	410
	2006	40	79	34	46	199	33	264	-	496	129	167	67	50	413	-	239	-	652
	2016	60	123	54	66	302	50	410	-	763	198	260	106	72	636	-	360	-	996
	1988	.0	-	.1	.1	.2	-	-	-	.2									
	1992	.1	-	.1	.1	.3	-	-	-	.3	.8	.9	2	.3	4	-	.9	-	5
77	1996	.1	-	.2	.1	.3	-	-	-	.3	6	9	4	.6	20	-	9	-	29
	2006	.1	-	.3	.1	.5	-	-	-	.5	10	16	7	1	34	-	15	-	49
	2016	.2	-	.4	.2	.8	-	-	-	.8	16	25	11	1	54	-	25	-	78
	1988	2	4	2	2	9	1	12	-	22									
	1992	2	4	2	2	12	1	14	-	28	7	11	6	3	27	2	28	-	58
78	1996	3	5	3	3	14	2	18	-	34	26	36	15	5	82	-	42	-	124
	2006	5	9	5	4	23	3	29	-	55	41	58	25	8	132	-	66	-	199
	2016	7	14	8	6	35	5	46	-	86	63	90	39	12	205	-	101	-	306
	1988	11	22	9	12	54	9	73	-	137									
	1992	13	27	12	15	67	11	91	-	169	23	38	16	16	93	10	101	-	204
79	1996	16	34	15	18	82	14	112	-	209	60	79	32	22	194	-	110	-	303
	2006	26	56	25	27	134	22	186	-	342	98	132	54	33	318	-	177	-	494
	2016	40	88	40	39	207	35	293	-	535	153	209	87	49	498	-	272	-	770
	1988	-	-	-	-	-	.6	74	49	124									
	1992	-	-	-	-	-	.7	92	59	152	-	-	-	-	-	2	301	64	366
80	1996	-	-	-	-	-	.9	114	70	185	-	-	-	-	-	7	1008	-	1015
	2006	-	-	-	-	-	1	188	105	295	-	-	-	-	-	11	1617	-	1628
	2016	-	-	-	-	-	2	297	151	450	-	-	-	-	-	17	2491	-	2508

APPENDIX 12-2

SUMMARY OF TRAFFIC VOLUME ON STUDIED ROADS (BOHOL)

Traffic Volume by Vehicle Type BOHOL

Class of Road	Type of Impr't	Road Number	w/o Car	Jeep-ney	Bus	Truck	Total	Tri-cycle	Motor cycle	Ani-mal	Walk-ing	Boat	with Car	Jeep-ney	Bus	Truck	Total	Tri-cycle	Motor cycle	Ani-mal	Walk-ing	Boat
Primary Major	Rehab/ Imp-1	N4-4	77	18	66	57	217	0	74	-	-	-	101	63	66	63	293	0	89	-	-	-
		N9-2	53	-	65	22	139	3	113	7	-	-	57	20	48	19	144	25	110	4	-	-
		N7-2	20	12	34	11	77	2	37	7	-	-	31	24	31	16	103	18	62	7	-	-
		N7-4	4	2	23	3	33	14	35	5	-	-	10	11	21	4	47	22	44	4	-	-
	Imp-2/ Widen	N4-5	115	92	58	64	329	0	97	-	-	-	148	136	68	73	425	0	123	-	-	-
Second'y Major	Rehab/ Imp-1	P80-1	6	1	-	-	7	18	38	48	405	-	22	31	-	3	56	-	13	-	-	-
		P124-1	16	36	-	-	52	72	12	-	19	-	17	33	-	-	49	37	12	-	10	-
		P39-1	14	16	27	5	62	1	41	2	-	-	20	22	25	8	75	1	56	2	-	-
		N3-3	2	2	-	-	4	3	19	28	161	-	6	12	-	0	19	10	11	-	17	-
		N10-2	68	-	-	-	68	0	-	-	-	-	34	1	0	1	36	0	6	-	-	-
		N10-3	68	-	-	-	68	0	-	-	-	-	34	1	0	1	36	0	6	-	-	-
		P72-2	2	0	-	-	3	7	17	28	170	-	8	11	-	2	21	-	5	-	-	-
		P81-2	2	0	-	-	2	5	9	8	101	-	6	9	-	1	15	-	4	-	-	-
		P49-2	36	69	-	-	105	110	54	-	86	-	49	69	-	9	128	-	29	-	-	-
		P145-1	25	1	20	25	71	0	103	6	-	-	27	10	16	20	72	0	112	3	-	-
		N3-5	4	3	-	-	7	5	29	26	218	-	10	17	-	0	27	14	18	-	28	-
		P110-1B	-	-	-	-	-	-	-	-	-	-	5	9	4	3	21	2	23	-	-	-
		N6-2	4	18	9	-	31	0	39	1	-	-	7	18	9	0	33	7	36	1	-	-
		P58-1	11	20	-	-	31	28	20	-	33	-	17	23	-	-	40	12	22	-	18	-
		P72-1	25	30	-	7	62	6	84	-	-	-	30	31	1	8	71	4	95	-	-	-
		N11-1	65	122	-	-	186	154	102	-	164	-	91	127	-	18	237	-	53	-	-	-
		P157-1	6	12	-	-	18	22	6	-	10	-	8	12	-	1	20	2	7	-	6	-
		P41-1	6	-	25	7	38	6	48	2	-	-	8	6	23	7	44	4	50	1	-	-
	Imp-2/ Widen	N2-2	168	120	20	15	312	577	422	-	-	-	174	125	30	20	349	439	361	-	-	-
		P111-1	10	8	-	-	18	12	75	85	580	-	24	45	-	1	70	37	43	-	69	-
		P113-1	-	-	-	-	-	39	72	72	727	-	22	43	-	1	66	38	36	-	57	-
		P300-6	3	1	-	-	4	12	27	50	279	-	13	18	-	3	33	-	7	-	-	-
		P41-2	6	-	25	7	38	6	48	2	-	-	8	6	23	7	44	4	50	1	-	-
		P49-1	17	29	-	-	46	34	31	-	49	-	24	32	-	1	57	8	31	-	24	-
		P128-1	2	4	2	2	12	1	14	-	-	-	7	11	6	3	27	2	28	-	-	-

Traffic Volume by Vehicle Type BOHOL

Class of Road	Type of Impr't	Road Number	w/o										with									
			Car	Jeep-ney	Bus	Truck	Total	Tri-cycle	Motor cycle	Ani-mal	Walk-ing	Boat	Car	Jeep-ney	Bus	Truck	Total	Tri-cycle	Motor cycle	Ani-mal	Walk-ing	Boat
Minor (Nat'l/ Prov'l)	Rehab/ Imp-1	P116-1	10	1	-	-	11	27	65	86	688	-	25	46	-	1	72	39	42	-	68	-
		P106-1	9	8	-	-	16	10	89	112	561	-	32	46	-	3	81	11	39	-	31	-
		P62-1	8	7	-	-	15	9	62	96	497	-	21	38	-	3	62	19	35	-	56	-
		P110-1a	6	5	-	-	12	8	50	78	403	-	24	33	-	2	59	8	28	-	23	-
		P146-1	5	0	-	-	6	18	57	58	465	-	15	29	-	1	45	26	24	-	38	-
		P119-1	1	0	-	-	1	4	11	12	76	-	3	5	-	0	8	5	4	-	6	-
		P150-1	2	0	-	-	2	9	24	26	179	-	6	11	-	0	17	11	8	-	13	-
		P151-1	5	3	-	-	8	12	35	112	420	-	15	29	-	3	46	15	20	-	32	-
		P123-1	6	5	-	-	11	7	46	47	363	-	22	30	-	1	53	8	28	-	22	-
		P42-1	6	5	-	-	11	7	45	56	356	-	23	32	-	2	57	8	29	-	23	-
		P87-1	7	1	-	-	7	18	46	66	484	-	17	33	-	1	50	28	29	-	46	-
		P64-1	5	4	-	-	9	6	37	48	289	-	17	24	-	1	43	6	21	-	17	-
		P121-1	-	-	-	-	-	8	10	9	119	-	4	7	-	-	12	9	8	-	12	-
		P6-1	-	-	-	-	-	12	13	22	229	-	8	14	-	-	21	16	14	-	22	-
		P120-1	-	-	-	-	-	23	32	26	405	-	14	24	-	-	38	29	25	-	40	-
		P28-1	4	4	-	-	9	6	34	62	285	-	17	25	-	2	43	6	20	-	15	-
		P36-1	-	-	-	-	-	26	29	22	401	-	14	25	-	0	39	20	26	-	41	-
		P140-1	-	-	-	-	-	23	28	21	394	-	14	23	-	-	37	28	25	-	41	-
		P25-1	9	1	-	-	9	23	50	48	554	-	21	38	-	0	59	30	38	-	51	-
		P154-1	2	0	-	-	2	5	11	17	116	-	5	9	-	0	14	8	8	-	12	-
		P57-1	6	4	-	-	10	7	40	35	307	-	19	26	-	1	46	7	25	-	20	-
		P85-1	5	4	-	-	9	6	38	55	307	-	18	25	-	2	45	6	22	-	18	-
		P43-1	-	-	-	-	-	18	26	25	285	-	10	18	-	-	28	22	17	-	27	-
		P200-1	4	3	-	-	7	6	32	40	242	-	10	17	-	1	28	18	16	-	26	-
		P300-1	-	-	-	-	-	8	9	12	147	-	6	8	-	-	13	9	10	6	24	-
Minor (Baran-gay)	Rehab/ Imp-1	B25-2	0	2	-	-	2	0	8	58	99	-	4	7	-	2	13	0	1	-	1	-
		B28-5	-	-	-	-	-	5	13	14	106	-	3	6	-	-	9	8	4	-	7	-
		B28-3	-	-	-	-	-	4	5	15	98	-	3	6	-	-	9	7	5	-	8	-
		B11-2	-	-	-	-	-	6	6	14	117	-	4	7	-	-	11	8	7	-	10	-
		B46-2	-	-	-	-	-	4	4	13	81	-	3	5	-	-	7	6	4	-	6	-
		B48-3	-	-	-	-	-	3	3	6	58	-	2	3	-	-	5	4	3	-	6	-
		B46-1	-	-	-	-	-	3	7	9	46	-	1	3	-	-	4	4	2	-	2	-
		B34-1	-	-	-	-	-	5	7	7	88	-	3	5	-	-	8	6	5	-	8	-
		B29-2	-	-	-	-	-	6	12	12	122	-	4	7	-	0	11	8	6	-	10	-
		B2-1	1	1	-	-	2	1	7	10	55	-	3	5	-	0	8	5	5	-	8	-
		B17-3	-	-	-	-	-	3	5	4	61	-	2	4	-	-	6	4	4	-	6	-
		B4-1	-	-	-	-	-	-	-	11	113	-	3	6	-	-	9	7	6	-	9	-
		B25-1	-	-	-	-	-	4	5	4	68	-	2	4	-	-	6	5	4	-	7	-
	New Const.	B22-2	0	0	-	-	0	3	10	13	54	-	1	3	-	0	5	4	1	-	1	-
		B18-3	-	-	-	-	-	-	-	14	36	-	1	2	-	-	3	3	0	-	1	-
		B24-1	-	-	-	-	-	-	-	26	81	-	2	4	-	0	6	6	2	-	3	-
		B37-1	-	-	-	-	-	-	-	20	52	-	1	3	-	-	4	6	1	-	1	-
		B13-1	-	-	-	-	-	-	-	25	70	-	2	4	-	0	6	4	1	-	2	-
		B24-2	-	-	-	-	-	-	-	21	53	-	1	3	-	0	5	4	1	-	2	-
		B2-2	-	-	-	-	-	6	10	11	101	-	5	7	-	1	13	2	6	-	5	-
		B4-2	-	-	-	-	-	-	-	5	20	-	1	1	-	-	2	2	1	-	1	-
		B44-1	-	-	-	-	-	-	-	12	31	-	1	2	-	-	3	3	1	-	1	-
		B39-2	-	-	-	-	-	2	2	18	61	-	2	4	-	-	5	5	2	-	3	-

APPENDIX 12-3

PROPOSED IMPROVEMENT (BOHOL)

BOHOL

Primary Major

Type of Impr't	Road Number	Length (km)	1992 AADT w/o	1992 AADT with	Existing Condition L	Width	Type	Condition	Proposed Improvement	Proposed Bridge (Number/Total Length)	Cost (Million Peso) Road	Bridge	Total	IRR (%)
Rehab/ Imp-1	N4-4	10.2	217	293	6.4	5.4	BT	Bad	Rehab(6.0-BMP)		16.11	.00	16.11	8.9 (T)
					3.8	6.0	GRV	Bad	Imp-1(6.0-BMP)					
	N9-2	6.3	139	144	4.6	4.8	BT	Bad	Rehab(6.0-BMP)	2-lane Br (n= 1,L=100m)	13.15	5.37	18.52	8.1 (T)
					1.7	5.2	GRV	Bad	Imp-1(6.0-BMP)					
	N7-2	14.3	77	103	.3	6.0	BT	Bad	Rehab(6.0-BMP)		18.57	.00	18.57	3.3 (T)
					10.8	6.0	GRV	Bad	Imp-1(6.0-BMP)					
					3.2	6.0	BT	Fair	-					
	N7-4	11.2	33	47	11.2	4.2-4.9	GRV	Bad/V.Bad	Rehab(6.0-GRV)		15.12	.00	15.12	.0 (T)
Imp-2/ Widen	N4-5	7.1	329	425	6.6	6.4	BT	Fair	-		1.18	.00	1.18	15.7 (T)
					.5	6.0	GRV	Fair	Imp-2(6.7-AC)					

(T):Traffic Project
(D):Development Project

Secondary Major

Type of Impr't	Road Number	Length (km)	1992 AADT w/o	1992 AADT with	Existing Condition L	Width	Type Condition	Proposed Improvement	Proposed Bridge (Number/Total Length)	Cost (Million Peso) Road	Bridge	Total	IRR (%)
Rehab/ Imp-1	P80-1	7.7	7	56	5.7	3.4-4.0	GRV Bad/V.Bad	Rehab(6.0-GRV)		11.76	.00	11.76	9.3 (D)
					2.0		None	New-C(6.0-GRV)					
	P124-1	20.4	52	49	20.4	3.4-4.6	GRV Bad/V.Bad	Rehab(6.0-GRV)	2-lane Br (n= 4,L= 55m)	13.08	4.51	17.60	6.3 (D)
	P39-1	3.3	62	75	3.3	5.2	GRV Bad	Rehab(6.0-GRV)	2-lane Br (n= 1,L= 10m)	2.67	.98	3.64	6.2 (T)
	N3-3	2.9	4	19	2.9	4.3	GRV Bad	Rehab(6.0-GRV)		1.83	.00	1.83	4.4 (D)
	N10-2	18.9	68	36	.6	4.5	BT Fair	-	2-lane Br (n=12,L=180m)	19.26	14.40	33.67	3.7 (T)
					18.3	4.2	GRV Bad	Rehab(6.0-GRV)					
	N10-3	12.0	68	36	12.0	4.2	GRV Bad	Rehab(6.0-GRV)	2-lane Br (n= 4,L= 50m)	15.32	4.31	19.63	3.5 (T)
	P72-2	15.7	3	21	10.6	3.0-4.0	GRV Bad	Rehab(6.0-GRV)	2-lane Br (n= 2,L= 83m)	20.13	5.00	25.13	3.2 (D)
					3.6	3.0	EAR V.Bad	Imp-1(6.0-GRV)					
					1.5		None	New-C(6.0-GRV)					
	P81-2	16.1	2	15	3.0	3.2	EAR V.Bad	Imp-1(6.0-GRV)		19.36	.00	19.36	3.1 (D)
					9.7	3.6-4.0	GRV V.Bad	Rehab(6.0-GRV)					
					3.4		None	New-C(6.0-GRV)					
	P49-2	18.9	105	128	18.9	3.0-3.8	GRV Bad/V.Bad	Rehab(6.0-GRV)	2-lane Br (n= 2,L= 75m)	22.68	4.68	27.36	1.8 (D)
	P145-1	14.9	71	72	14.7	4.2	GRV Bad	Rehab(6.0-GRV)	2-lane Br (n= 3,L= 65m)	17.26	4.60	21.87	1.3 (T)
					.2	4.0	PCC Good	-					
	N3-5	3.7	7	27	3.7	3.4	GRV Bad	Rehab(6.0-GRV)	2-lane Br (n= 1,L= 75m)	2.65	4.10	6.75	1.1 (D)
	P110-1B	9.5	0	21	6.3	2.8-5.5	GRV Bad	Rehab(6.0-GRV)		13.63	.00	13.63	.1 (D)
					.2	4.2	PCC Bad	-					
					3.0		None	New-C(6.0-GRV)					
	N6-2	3.2	31	33	3.2	4.0	GRV Bad	Rehab(6.0-GRV)		4.35	.00	4.35	.0 (T)
	P58-1	7.7	31	40	6.6	3.6-4.0	GRV Bad/V.Bad	Rehab(6.0-GRV)		8.37	.00	8.37	.0 (D)
					.9	4.1	BT Good	-					
					.2	4.1	PCC Good	-					
	P72-1	6.0	62	71	.7	4.0	BT Fair	-		10.69	.00	10.69	.0 (T)
					1.9	3.2-6.1	GRV Bad	Imp-1(6.0-BMP)					
					2.8	3.4-4.0	BT Bad	Rehab(6.0-BMP)					
					.4	4.2	BT Fair	Widen(6.0-BMP)					
					.2	4.7	PCC Fair	-					
	N11-1	38.5	186	237	.8	6.7	BT Fair	-	2-lane Br (n= 5,L= 88m)	51.02	6.42	57.43	.0 (D)
					37.7	3.2-5.2	GRV Bad	Rehab(6.0-GRV)					
	P157-1	5.5	18	20	3.2	3.6	EAR Bad	Imp-1(6.0-GRV)		3.97	.00	3.97	.0 (D)
					2.3	4.5	GRV Bad/V.Bad	Rehab(6.0-GRV)					
	P41-1	6.2	38	44	6.2	4.0-4.5	GRV Bad	Rehab(6.0-GRV)		7.17	.00	7.17	.0 (T)
Imp-2/ Widen	N2-2	3.2	312	349	3.2	4.0	GRV Good	Imp-2(6.0-BMP)	2-lane Br (n= 1,L= 10m)	4.85	.98	5.83	29.0 (T)
	P111-1	3.5	18	70	3.5	4.0	GRV Good	Widen(6.0-GRV)	2-lane Br (n= 1,L= 10m)	1.85	.98	2.82	23.3 (D)
	P113-1	7.5	0	66	7.5	3.2	GRV Fair	Widen(6.0-GRV)	2-lane Br (n= 4,L= 40m)	7.41	3.91	11.33	15.5 (D)
	P300-6	22.3	4	33	16.6	4.0	GRV Good/Fair	Widen(6.0-GRV)		19.23	.00	19.33	11.1 (D)
					5.7		None	New-C(6.0-GRV)					
	P41-2	8.9	38	44	8.9	3.2	GRV Fair	Widen(6.0-GRV)	2-lane Br (n= 2,L= 50m)	10.98	3.42	14.39	.0 (T)
	P49-1	9.2	45	57	9.2	3.2	GRV Fair	Widen(6.0-GRV)	2-lane Br (n= 2,L= 64m)	11.33	4.24	15.57	.0 (D)
	P128-1	6.5	12	27	6.5	4.0	GRV Fair	Widen(6.0-GRV)	2-lane Br (n= 2,L= 33m)	3.43	2.48	5.91	.0 (T)

(T):Traffic Project
(D):Development Project

Minor(National/Provincial)

Type of Impr't	Road Number	Length (km)	1992 AADT w/o	1992 AADT with	Existing Condition L	Width	Type Condition	Proposed Improvement	Proposed Bridge (Number/Total Length)	Cost (Million Peso) Road	Bridge	Total	IRR (%)
Rehab/ Imp-1	P116-1	4.5	11	72	4.5	3.8-4.0	GRV Bad	Rehab(6.0-GRV)	2-lane Br (n= 1,L= 15m)	4.33	1.18	5.51	27.1 (D)
	P105-1	10.9	16	61	10.9	4.9	GRV Bad	Rehab(6.0-GRV)	2-lane Br (n= 1,L= 10m)	10.64	.98	11.62	25.3 (D)
	P62-1	9.9	15	62	.6	4.5	BT V.Bad	Rehab(6.0-BMP)		7.49	.00	7.49	22.9 (D)
					9.3	3.2-3.6	GRV Bad	Rehab(6.0-GRV)					
	P110-1a	5.0	12	59	5.0	4.0-6.5	GRV Bad	Rehab(6.0-GRV)		3.07	.00	3.07	22.5 (D)
	P146-1	7.4	6	46	7.4	3.4-5.0	GRV Bad	Rehab(6.0-GRV)		8.61	.00	8.61	21.3 (D)
	P119-1	4.0	1	8	4.0	3.4	EAR V.Bad	Imp-1(4.0-GRV)		1.71	.00	1.71	19.5 (D)
	P150-1	2.9	2	17	1.9	4.9	GRV Bad	Rehab(4.0-GRV)	1-lane Br (n= 1,L= 23m)	1.34	1.10	2.44	17.8 (D)
					1.0	3.2	EAR V.Bad	Imp-1(4.0-GRV)					
	P151-1	9.8	8	46	7.8	4.0	GRV Bad	Rehab(6.0-GRV)	2-lane Br (n= 2,L= 35m)	11.08	2.56	13.64	17.8 (D)
					2.0		None	New-C(6.0-GRV)					
	P123-1	8.5	11	53	8.5	3.8-4.5	GRV Bad	Rehab(6.0-GRV)		5.36	.00	5.36	17.5 (D)
	P42-1	11.4	11	57	11.4	3.2-4.0	GRV Bad/V.Bad	Rehab(6.0-GRV)		10.78	.00	10.78	16.8 (D)
	P87-1	8.0	7	50	8.0	2.8-3.8	GRV Bad	Rehab(6.0-GRV)		9.87	.00	9.87	16.8 (D)
	P64-1	5.4	9	43	5.0	3.2-3.6	GRV Bad	Rehab(6.0-GRV)		3.56	.00	3.56	14.4 (D)
					.4	4.0	BT Bad	Rehab(6.0-BMP)					
	P121-1	2.6	0	12	1.1	3.8	GRV Bad	Rehab(4.0-GRV)		1.20	.00	1.20	12.6 (D)
					1.5	2.8	EAR V.Bad	Imp-1(4.0-GRV)					
	P6-1	2.3	0	21	2.3	3.0	GRV Bad	Rehab(4.0-GRV)		1.05	.00	1.05	12.0 (D)
	P120-1	3.3	0	38	3.3	3.4	GRV Bad	Rehab(6.0-GRV)		2.89	.00	2.89	11.6 (D)
	P28-1	11.7	9	43	4.8	3.8-4.2	GRV Bad	Rehab(6.0-GRV)	2-lane Br (n= 1,L= 15m)	11.72	1.18	12.90	11.3 (D)
					6.9	3.4	EAR V.Bad	Imp-1(6.0-GRV)					
	P36-1	4.5	0	39	3.2	4.0-5.9	GRV Bad	Rehab(6.0-GRV)	2-lane Br (n= 1,L= 35m)	6.39	2.24	8.63	10.0 (D)
					.3	4.0	PCC Fair	-					
					.6	4.7	GRV Fair	Widen(6.0-GRV)					
					.4	4.6	EAR Bad	Imp-1(6.0-GRV)					
	P140-1	3.7	0	37	3.7	4.0	GRV Bad	Rehab(6.0-GRV)	2-lane Br (n= 1,L= 10m)	3.44	.98	4.42	9.7 (D)
	P25-1	9.8	9	59	9.8	3.0-4.0	GRV Bad	Rehab(6.0-GRV)	2-lane Br (n= 1,L= 20m)	6.54	1.38	7.92	9.5 (D)
	P154-1	6.5	2	14	2.3	3.2	GRV V.Bad	Rehab(4.0-GRV)	1-lane Br (n= 1,L= 24m)	3.20	1.13	4.33	9.0 (D)
					4.2	3.2-4.0	EAR Bad/V.Bad	Imp-1(4.0-GRV)					
	P67-1	6.6	10	46	1.0	6.0	BT Fair	-		3.75	.00	3.75	8.8 (D)
					.3	4.5	BT Bad	Rehab(6.0-BMP)					
					5.3	3.2-4.0	GRV Bad	Rehab(6.0-GRV)					
	P85-1	10.3	9	45	10.3	2.8-3.8	GRV Bad	Rehab(6.0-GRV)	2-lane Br (n= 1,L= 30m)	13.42	2.04	15.46	7.9 (D)
	P43-1	3.6	0	28	3.6	3.0	GRV V.Bad	Rehab(6.0-GRV)		4.25	.00	4.25	7.1 (D)
	P200-1	8.6	7	28	7.4	4.0	GRV Bad	Rehab(6.0-GRV)		8.15	.00	8.15	6.6 (D)
					1.2	2.4	EAR V.Bad	Imp-1(6.0-GRV)					
	P300-1	2.3	0	13	2.3	3.0	GRV Bad	Rehab(4.0-GRV)		1.04	.00	1.04	2.7 (D)

(T):Traffic Project
(D):Development Project

Minor(Barangay)

Type of Impr't	Road Number	Length (km)	1992 AADT w/o	1992 AADT with	Existing Condition L	Existing Condition Width	Existing Condition Type Condition	Proposed Improvement	Proposed Bridge (Number/Total Length)	Cost (Million Peso) Road	Cost (Million Peso) Bridge	Cost (Million Peso) Total	IRR (%)
Rehab/ Imp-1	B26-2	11.2	2	13	8.2	3.2	EAR V.Bad	Imp-1(4.0-GRV)	1-lane Sp (n= 1,L= 15m)	5.76	.17	5.93	26.6 (D)
					3.0		None	New-C(4.0-GRV)					
	B28-5	1.1	0	9	.4	3.0-3.8	PCC Fair	-		.32	.00	.32	23.3 (D)
					.7	3.2	GRV Bad	Rehab(4.0-GRV)					
	B28-3	1.7	0	9	1.6	2.4	GRV Bad	Rehab(4.0-GRV)		.68	.00	.68	14.9 (D)
					.1	3.0	PCC Good	-					
	B11-2	1.3	0	11	1.3	2.9	GRV Bad	Rehab(4.0-GRV)		.60	.00	.60	11.2 (D)
	B46-2	3.0	0	7	2.0	3.7	GRV Bad	Rehab(4.0-GRV)		1.50	.00	1.50	9.9 (D)
					1.0		None	New-C(4.0-GRV)					
	B48-3	1.3	0	5	.9	3.6-4.5	GRV Bad	Rehab(4.0-GRV)		.66	.00	.66	9.4 (D)
					.4	2.4	EAR V.Bad	Imp-1(4.0-GRV)					
	B46-1	2.8	0	4	1.6	2.6-3.7	EAR V.Bad	Imp-1(4.0-GRV)		1.42	.00	1.42	7.2 (D)
					1.2		None	New-C(4.0-GRV)					
	B34-1	1.4	0	8	1.4	3.0	GRV Bad	Rehab(4.0-GRV)		.72	.00	.72	8.1 (D)
	B29-2	3.5	0	11	.4	3.1	PCC Good	-		2.31	.00	2.31	3.9 (D)
					3.1	2.8-3.2	GRV Bad	Rehab(4.0-GRV)					
	B2-1	2.4	2	8	2.4	4.6	EAR Bad	Imp-1(4.0-GRV)		.93	.00	.93	2.5 (D)
	B17-3	1.4	0	6	1.4	2.7	GRV Bad	Rehab(4.0-GRV)		.64	.00	.64	1.8 (D)
	B4-1	1.7	0	9	1.7	3.4-3.6	GRV Bad	Rehab(4.0-GRV)		.79	.00	.79	.0 (D)
	B25-1	.9	0	6	.9	4.0	GRV Bad	Rehab(4.0-GRV)		.41	.00	.41	.0 (D)
New Const.	B22-2	2.5	0	6	.6	3.2	EAR V.Bad	Imp-1(4.0-GRV)		1.41	.00	1.41	20.6 (D)
					1.9		None	New-C(4.0-GRV)					
	B18-3	1.0	0	3	1.0		None	New-C(4.0-GRV)		.55	.00	.55	19.2 (D)
	B24-1	2.3	0	6	.9	3.2	GRV V.Bad	Rehab(4.0-GRV)		1.26	.00	1.26	18.7 (D)
					1.4		None	New-C(4.0-GRV)					
	B37-1	2.0	0	4	2.0		None	New-C(4.0-GRV)		1.10	.00	1.10	15.2 (D)
	B13-1	5.3	0	6	2.4	2.4-2.8	EAR Bad/V.Bad	Imp-1(4.0-GRV)		2.68	.00	2.68	15.5 (D)
					2,9		None	New-C(4.0-GRV)					
	B24-2	4.0	0	5	4.0		None	New-C(4.0-GRV)		2.21	.00	2.21	13.8 (D)
	B2-2	6.8	0	13	1.4	3.4	GRV Bad	Rehab(4.0-GRV)		3.64	.00	3.64	10.4 (D)
					5.4		None	New-C(4.0-GRV)					
	B4-2	1.6	0	2	1.6		None	New-C(4.0-GRV)		.83	.00	.83	6.9 (D)
	B44-1	2.0	0	3	2.0		None	New-C(4.0-GRV)		1.15	.00	1.15	5.4 (D)
	B39-2	6.9	0	6	1.1	3.6	GRV Bad	Rehab(4.0-GRV)		3.26	.00	3.26	.0 (D)
					4.8		None	New-C(4.0-GRV)					

(T):Traffic Project
(D):Development Project

APPENDIX 12-4

QUANTITY AND CONSTRUCTION COST (BOHOL)

Quantity and Construction Cost BOHOL

	Unit	N4-4	N9-2	N7-2	N7-4	N4-5	P80-1	P124-1	P39-1	N3-3	N10-2	N10-3
Total Road Length	km	10.2	6.3	14.3	11.2	7.1	7.7	20.4	3.3	2.9	18.9	12.0
Improvement Length	km	10.2	6.3	11.1	11.2	.5	7.7	20.4	3.3	2.9	18.3	12.0
Proposed Pavement Type		6.0-BMP	6.0-BMP	6.0-BMP	6.0-GRV	6.7-AC	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	-	50000	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	5400	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	2807	22715	481	126000	210	94125	3375	5680	2175	98332	117330
107 Borrow	m3	1827	-	3787	5068	420	3784	19107	703	1639	4575	2295
108 Aggregate Subbase	m3	21524	9888	27004	7392	1398	5082	13464	2178	1914	12078	7920
118-1 Preparation of Prev.Road(Grvl)	m2	38000	11390	104400	47950	3000	22480	113470	20280	19140	99020	61760
118-2 Preparation of Prev.Road(Asph)	m2	34560	22080	1800	-	-	-	-	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	10435	6445	11355	-	745	-	-	-	-	-	-
300 Crushed Aggr. Surface Course	m3	-	-	-	10080	-	6750	18360	2970	2610	16281	10710
302 Bituminous Prime Coat	M.T.	73	46	80	-	4	-	-	-	-	-	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	61200	37800	66600	-	-	-	-	-	-	-	-
310 Bitum.Concrete Surface Course	M.T.	-	-	-	-	369	-	-	-	-	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	-	-	1200	-	-	-	1260	600
413-1 RCPC (dia.910mm)	m	300	195	330	330	15	285	630	105	90	555	360
413-2 Headwall for RCPC (dia.910mm)	Set	20	13	22	22	1	19	42	7	6	37	24
500 Grouted Riprap	m3	-	-	-	-	-	-	308	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	-	8700	-	5600	-	4650	150	1550	-	10400	6500
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	-	100	-	-	-	-	55	10	-	180	80
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	-	2	-	-	-	-	8	2	-	24	8
1-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Pier	Each	-	3	-	-	-	-	-	-	-	1	-
1-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous	l.s.	1	1	1	1	1	1	1	1	1	1	1
Road Construction Cost	M.p.	16.11	13.15	18.57	15.12	1.18	11.76	13.08	2.67	1.83	19.26	15.32
Bridge Construction Cost	M.p.	.00	5.37	.00	.00	.00	.00	4.51	.98	.00	14.40	4.31
Total Construction Cost	M.p.	16.11	18.52	18.57	15.12	1.18	11.76	17.60	3.64	1.83	33.67	19.63
Road Construction Cost/Impr't Km	M.p.	1.58	2.09	1.67	1.35	2.37	1.53	.64	.81	.63	1.05	1.28
Total Construction Cost/Total Km	M.p.	1.58	2.94	1.30	1.35	.17	1.53	.86	1.10	.63	1.78	1.64

Quantity and Construction Cost BOHOL

	Unit	P72-2	P81-2	P49-2	P145-1	N3-5	P110-1B	N6-2	P58-1	P72-1	N11-1	P41-1
Total Road Length	km	15.7	16.1	18.9	14.9	3.7	9.5	3.2	7.7	6.0	38.5	6.2
Improvement Length	km	15.7	16.1	18.9	14.7	3.7	9.3	3.2	6.6	5.1	37.7	6.2
Proposed Pavement Type		6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-BMP	6.0-GRV	6.0-GRV
Quantity												
100 Clearing & Grubbing	m2	37500	74800	-	-	-	75000	-	-	-	-	-
102 Stripping	m3	4050	8160	-	-	-	8100	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	155620	101430	152110	102940	-	94404	36000	68801	44304	395760	48375
107 Borrow	m3	4972	27520	3917	4443	7308	7882	648	1482	257	7634	3084
108 Aggregate Subbase	m3	10362	10626	12474	9702	2442	6138	2112	4356	6939	24882	4092
118-1 Preparation of Prev.Road(Grvl)	m2	56280	54320	80460	77210	15910	26090	13760	26200	8380	152910	34040
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	-	-	-	-	-	10600	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	-	-	-	-	-	-	-	4941	-	-
300 Crushed Aggr. Surface Course	m3	14130	14490	16173	12780	3330	8190	2790	5940	-	31859	5409
302 Bituminous Prime Coat	M.T.	-	-	-	-	-	-	-	-	35	-	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	-	-	-	-	-	-	-	28920	-	-
310 Bitum.Concrete Surface Course	M.T.	-	-	-	-	-	-	-	-	-	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	5580	3000	-	1200	600	-	-	13740	1140
413-1 RCPC (dia.910mm)	m	510	585	570	435	105	390	90	195	143	1125	180
413-2 Headwall for RCPC (dia.910mm)	Set	34	39	38	29	7	26	6	13	10	75	12
500 Grouted Riprap	m3	-	-	-	-	-	284	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	7900	5830	9050	8500	-	5150	1600	3100	4700	18850	2150
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	83	-	75	65	75	-	-	-	-	88	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	4	-	4	6	2	-	-	-	-	10	-
1-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Pier	Each	2	-	2	1	2	-	-	-	-	-	-
1-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous	l.s.	1	1	1	1	1	1	1	1	1	1	1
Road Construction Cost	M.p.	20.13	19.36	22.68	17.28	2.65	13.63	4.35	8.37	10.69	51.02	7.17
Bridge Construction Cost	M.p.	5.00	.00	4.65	4.60	4.10	.00	.00	.00	.00	6.42	.00
Total Construction Cost	M.p.	26.13	19.36	27.36	21.88	6.75	13.63	4.35	8.37	10.69	57.44	7.17
Road Construction Cost/Impr't km	M.p.	1.28	1.20	1.20	1.18	.72	1.47	1.36	1.27	2.10	1.35	1.16
Total Construction Cost/Total km	M.p.	1.60	1.20	1.45	1.47	1.83	1.43	1.36	1.09	1.78	1.49	1.16

Quantity and Construction Cost BOHOL

	Unit	P157-1	N2-2	P111-1	P113-1	P300-6	P128-1	P41-2	P49-1	P116-1	P106-1	P62-1
Total Road Length	km	5.5	3.2	3.5	7.5	22.3	6.5	8.9	9.2	4.5	10.9	9.9
Improvement Length	km	5.5	3.2	3.5	7.5	22.3	6.5	8.9	9.2	4.5	10.9	9.9
Proposed Pavement Type		6.0-GRV	6.0-BMP	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-BMP 6.0-GRV
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	125400	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	13680	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	7814	5446	4690	51087	75732	8710	100120	103500	20997	49304	16489
107 Borrow	m3	4355	-	1208	731	17438	2243	868	897	911	5417	4918
108 Aggregate Subbase	m3	3630	5421	910	2550	8078	1690	3026	3128	2970	7194	6911
118-1 Preparation of Prev.Road(Grvl)	m2	27220	12800	14000	24000	66400	26000	28480	29440	18570	54630	39070
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	-	-	-	-	-	-	-	2700
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	3274	-	-	-	-	-	-	-	-	614
300 Crushed Aggr. Surface Course	m3	4950	-	3150	6750	20070	5850	8010	8280	4050	9810	8370
302 Bituminous Prime Coat	M.T.	-	23	-	-	-	-	-	-	-	-	4
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	19200	-	-	-	-	-	-	-	-	3600
310 Bitum.Concrete Surface Course	M.T.	-	-	-	-	-	-	-	-	-	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
413-1 RCPC (dia.910mm)	m	165	90	105	225	840	195	270	270	135	330	300
413-2 Headwall for RCPC (dia.910mm)	Set	11	6	7	15	56	13	18	18	9	22	20
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	700	-	-	3750	6990	-	4450	4600	2250	4750	1450
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	-	10	10	40	-	33	60	64	15	10	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	-	2	2	8	-	4	4	4	2	2	-
1-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Pier	Each	-	-	-	-	-	-	1	2	-	-	-
1-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous	l.s.	1	1	1	1	1	1	1	1	1	1	1
Road Construction Cost	M.p.	3.97	4.85	1.85	7.41	19.33	3.43	10.98	11.33	4.33	10.64	7.49
Bridge Construction Cost	M.p.	.00	.98	.98	3.91	.00	2.48	3.42	4.24	1.18	.98	.00
Total Construction Cost	M.p.	3.97	5.83	2.82	11.32	19.33	5.91	14.39	15.57	5.51	11.62	7.49
Road Construction Cost/Impr't km	M.p.	.72	1.51	.53	.99	.87	.53	1.23	1.23	.96	.98	.76
Total Construction Cost/Total km	M.p.	.72	1.82	.81	1.51	.87	.91	1.62	1.69	1.22	1.07	.76

Quantity and Construction Cost BOHOL

	Unit	P110-1a	P146-1	P119-1	P150-1	P151-1	P123-1	P42-1	P87-1	P64-1	P121-1	P6-1
Total Road Length	km	6.0	7.4	4.0	2.9	9.8	8.5	11.4	8.0	6.4	2.6	2.3
Improvement Length	km	6.0	7.4	4.0	2.9	9.8	8.5	11.4	8.0	6.4	2.6	2.3
Proposed Pavement Type		6.0-GRV	6.0-GRV	4.0-GRV	4.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV 6.0-BMP	4.0-GRV	4.0-GRV
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	44000	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	4800	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	-	24075	3000	2113	67095	3975	42000	55275	2638	2813	1725
107 Borrow	m3	4260	1499	1260	450	3911	6499	6896	1485	2135	1409	1300
108 Aggregate Subbase	m3	3300	4884	1840	1334	6468	5610	7524	5280	3978	1195	1058
118-1 Preparation of Prev.Road(Grvl)	m2	29810	39280	18400	12040	38070	52260	50280	24680	29640	9260	10580
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	-	-	-	-	-	1600	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	-	-	-	-	-	-	-	409	-	-
300 Crushed Aggr. Surface Course	m3	4500	6660	2400	1620	8820	7650	9549	6390	4500	1560	1380
302 Bituminous Prime Coat	M.T.	-	-	-	-	-	-	-	-	3	-	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	-	-	-	-	-	-	-	2400	-	-
310 Bitum.Concrete Surface Course	M.T.	-	-	-	-	-	-	-	-	-	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	800	-	-	4740	5400	-	-	-
413-1 RCPC (dia.910mm)	m	150	225	64	48	360	255	346	240	165	40	40
413-2 Headwall for RCPC (dia.910mm)	Set	10	15	8	6	24	17	23	16	11	5	5
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-
617 Side Ditch (Grouted Riprap)	m	-	3700	-	-	4450	-	2800	4600	-	-	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	-	-	-	-	35	-	-	-	-	-	-
1-lane Bridge,Superstructure	m	-	-	-	23	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	-	-	-	-	4	-	-	-	-	-	-
1-lane Bridge,Abutment	Each	-	-	-	2	-	-	-	-	-	-	-
2-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous	l.s.	1	1	1	1	1	1	1	1	1	1	1
Road Construction Cost	M.P.	3.07	6.61	1.71	1.34	11.08	5.36	10.78	9.87	3.56	1.20	1.05
Bridge Construction Cost	M.P.	.00	.00	.00	1.10	2.56	.00	.00	.00	.00	.00	.00
Total Construction Cost	M.P.	3.07	6.61	1.71	2.44	13.64	5.36	10.78	9.87	3.56	1.20	1.05
Road Construction Cost/Impr't km	M.P.	.61	.89	.43	.46	1.13	.63	.95	1.23	.66	.46	.46
Total Construction Cost/Total km	M.P.	.61	.89	.43	.84	1.39	.63	.95	1.23	.66	.46	.46

Quantity and Construction Cost BOHOL

	Unit	P120-1	P28-1	P36-1	P140-1	P26-1	P164-1	P57-1	P86-1	P43-1	P200-1	P300-1
Total Road Length	km	3.3	11.7	4.6	3.7	9.8	6.6	6.6	10.3	3.6	8.6	2.3
Improvement Length	km	3.3	11.7	4.2	3.7	9.8	6.5	5.6	10.3	3.6	8.6	2.3
Proposed Pavement Type		6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	4.0-GRV	6.0-BMP 6.0-GRV	6.0-GRV	6.0-GRV	6.0-GRV	4.0-GRV
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	-	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	-	70200	189	5538	6600	9375	4066	77250	27000	42900	1725
107 Borrow	m3	11369	2662	14928	476	9537	1598	3175	2086	2073	1957	1150
108 Aggregate Subbase	m3	2178	7722	2490	2442	6468	2990	3885	6798	2376	5676	1058
118-1 Preparation of Prev.Road(Grvl)	m2	13860	53000	24740	18980	63080	27000	34380	37000	10800	42780	10580
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	-	-	-	1350	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	-	-	-	-	-	307	-	-	-	-
300 Crushed Aggr. Surface Course	m3	2970	10530	3780	3330	8820	3720	4770	7785	3240	7740	1380
302 Bituminous Prime Coat	M.T.	-	-	-	-	-	-	2	-	-	-	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	-	-	-	-	-	1800	-	-	-	-
310 Bitum.Concrete Surface Course	M.T.	-	-	-	-	-	-	-	-	-	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	-	-	1200	-	9900	-	-	-
413-1 RCPC (dia.910mm)	m	105	345	330	105	300	104	165	315	105	255	40
413-2 Headwall for RCPC (dia.910mm)	Set	7	23	22	7	20	13	11	21	7	17	5
500 Grouted Riprap	m3	-	-	3854	-	-	-	-	-	196	-	-
517 Side Ditch (Grouted Riprap)	m	-	4550	-	3400	-	-	-	5150	1800	3300	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	-	15	35	10	20	-	-	30	-	-	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	24	-	-	-	-	-
2-lane Bridge,Abutment	Each	-	2	2	2	2	-	-	2	-	-	-
1-lane Bridge,Abutment	Each	-	-	-	-	-	2	-	-	-	-	-
2-lane Bridge,Pier	Each	-	-	1	-	-	-	-	1	-	-	-
1-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous	l.s.	1	1	1	1	1	1	1	1	1	1	1
Road Construction Cost	M.p.	2.89	11.72	6.39	3.44	6.64	3.20	3.75	13.42	4.25	8.15	1.04
Bridge Construction Cost	M.p.	.00	1.18	2.24	.98	1.38	1.13	.00	2.04	.00	.00	.00
Total Construction Cost	M.p.	2.89	12.90	8.63	4.42	7.92	4.33	3.75	15.46	4.25	8.15	1.04
Road Construction Cost/Impr't km	M.p.	.87	1.00	1.52	.93	.67	.49	.67	1.30	1.18	.95	.45
Total Construction Cost/Total km	M.p.	.87	1.10	1.92	1.19	.81	.67	.57	1.50	1.18	.95	.45

Quantity and Construction Cost BOHOL

	Unit	B25-2	B28-5	B28-3	B11-2	B46-2	B48-3	B46-1	B34-1	B29-2	B2-1	B17-3
Total Road Length	km	11.2	1.1	1.7	1.3	3.0	1.3	2.8	1.4	3.5	2.4	1.4
Improvement Length	km	11.2	.7	1.6	1.3	3.0	1.3	2.8	1.4	3.1	2.4	1.4
Proposed Pavement Type		4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV
Quantity												
100 Clearing & Grubbing	m2	45000	-	-	-	10000	-	12000	-	-	-	-
102 Stripping	m3	4500	-	-	-	1000	-	1200	-	-	-	-
105 Roadway & Drainage Excavation	m3	22875	1313	1200	975	300	975	1560	-	938	-	1050
107 Borrow	m3	2906	142	504	735	3655	410	2662	2177	11320	755	791
108 Aggregate Subbase	m3	5152	322	736	598	1380	598	1288	644	1426	1104	644
118-1 Preparation of Prev.Road(Grvl)	m2	27060	2310	7360	5980	9200	5980	7360	5180	11800	11040	6440
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	-	-	-	-	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	-	-	-	-	-	-	-	-	-	-
300 Crushed Aggr. Surface Course	m3	6720	420	960	780	1800	780	1680	840	1860	1440	840
302 Bituminous Prime Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
305 Bituminous Macadam Pavement	m2	-	-	-	-	-	-	-	-	-	-	-
310 Bitum.Concrete Surface Course	M.T.	-	-	-	-	-	-	-	-	-	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
413-1 RCPC (dia.910mm)	m	224	8	24	24	56	24	56	24	48	40	24
413-2 Headwall for RCPC (dia.910mm)	Set	28	1	3	3	7	3	7	3	6	5	3
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Spillway	m	15	-	-	-	-	-	-	-	-	-	-
Miscellaneous	l.s.	1	1	1	1	1	1	1	1	1	1	1
Road Construction Cost	M.p.	5.76	.32	.68	.60	1.50	.56	1.42	.72	2.31	.93	.64
Bridge Construction Cost	M.p.	.17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total Construction Cost	M.p.	5.93	.32	.68	.60	1.50	.56	1.42	.72	2.31	.93	.64
Road Construction Cost/Impr't km	M.p.	.51	.46	.43	.46	.50	.43	.51	.51	.75	.39	.46
Total Construction Cost/Total km	M.p.	.53	.29	.40	.46	.50	.43	.51	.51	.66	.39	.46

Quantity and Construction Cost BOHOL

	Unit	B4-1	B26-1	B22-2	B18-3	B24-1	B37-1	B13-1	B24-2	B2-2	B4-2	B44-1	B39-2
Total Road Length	km	1.7	.9	2.5	1.0	2.3	2.0	5.3	4.0	6.8	1.5	2.0	5.9
Improvement Length	km	1.7	.9	2.5	1.0	2.3	2.0	5.3	4.0	6.8	1.5	2.0	5.9
Proposed Pavement Type		4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV
Quantity													
100 Clearing & Grubbing	m2	-	-	22800	12000	16800	24000	34800	48000	64800	18000	20000	57600
102 Stripping	m3	-	-	2280	1200	1680	2400	3480	4800	6480	1800	2000	5760
105 Roadway & Drainage Excavation	m3	-	-	3025	1000	2556	2000	6163	4000	8025	1500	500	4800
107 Borrow	m3	1859	833	1195	565	917	1130	2248	2260	3335	848	2930	3389
108 Aggregate Subbase	m3	782	414	1150	460	1058	920	2438	1840	3128	690	920	2714
118-1 Preparation of Prev.Road(Grvl)	m2	7410	4140	1980	-	3320	-	8700	-	4900	-	-	4950
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	-	-	-	-	-	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	-	-	-	-	-	-	-	-	-	-	-
300 Crushed Aggr. Surface Course	m3	1020	540	1440	600	1308	1200	3180	2400	4080	900	1200	3420
302 Bituminous Prime Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	-	-	-	-	-	-	-	-	-	-	-
310 Bitum.Concrete Surface Course	M.T.	-	-	-	-	-	-	-	-	-	-	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	-	-	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	400	-	480	-	-	-	-	-	-	800
413-1 RCPC (dia.910mm)	m	24	16	72	32	64	64	136	128	200	48	48	168
413-2 Headwall for RCPC (dia.910mm)	Set	3	2	9	4	8	8	17	16	25	6	6	21
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	-	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Pier	Each	-	-	-	-	-	-	-	-	-	-	-	-
2-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-	-
1-lane Spillway	m	-	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous	l.s.	1	1	1	1	1	1	1	1	1	1	1	1
Road Construction Cost	M.p.	.79	.41	1.41	.65	1.26	1.10	2.68	2.21	3.64	.83	1.15	3.26
Bridge Construction Cost	M.p.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total Construction Cost	M.p.	.79	.41	1.41	.65	1.26	1.10	2.68	2.21	3.64	.83	1.15	3.26
Road Construction Cost/Impr't km	M.p.	.46	.46	.56	.65	.55	.55	.51	.55	.54	.55	.58	.55
Total Construction Cost/Total km	M.p.	.46	.46	.56	.65	.55	.55	.51	.55	.54	.55	.58	.55