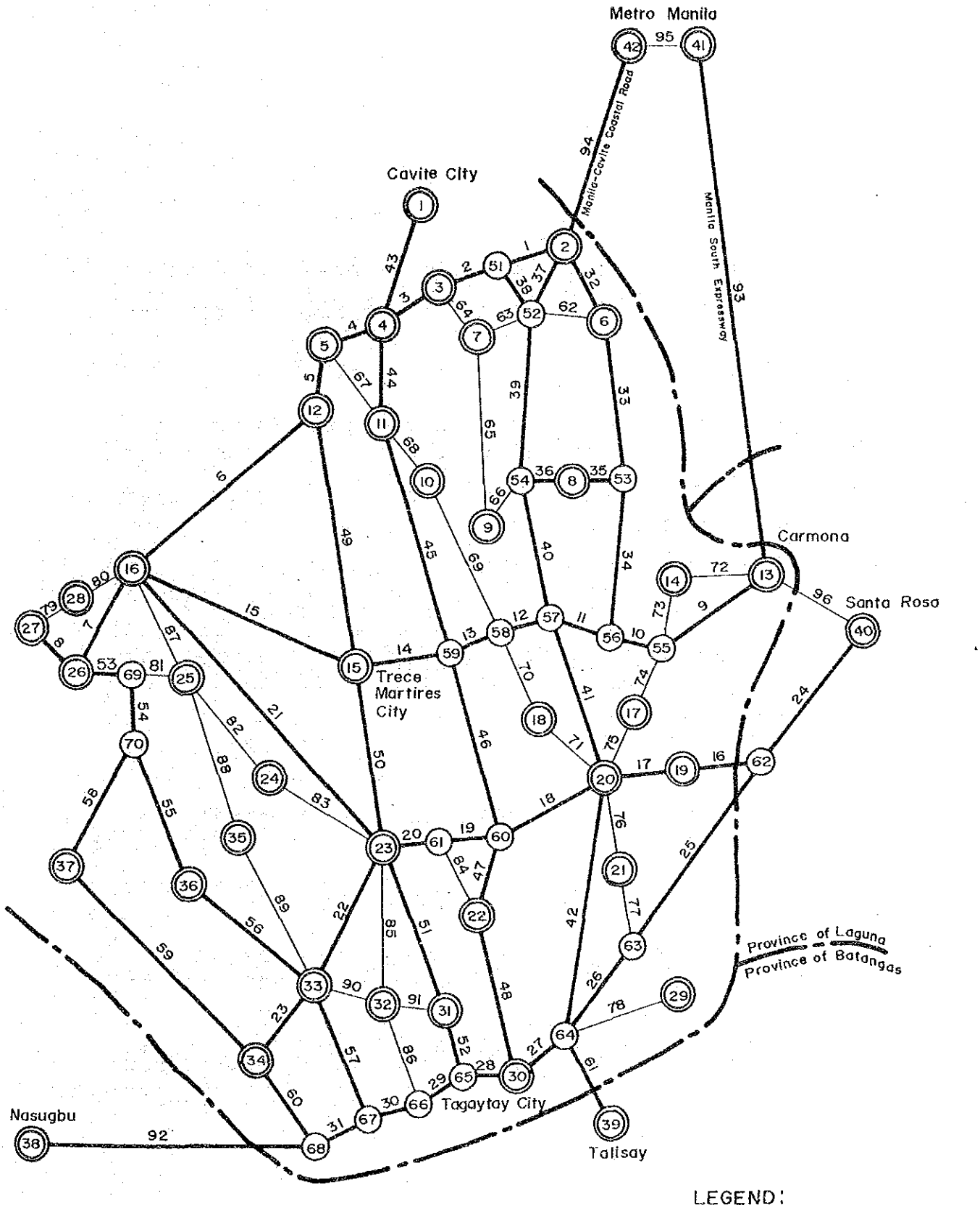
APPENDICES FOR CHAPTER 10

APPENDIX 10-1

RESULTS OF TRAFFIC PROJECTION FOR MAJOR ROADS (CAVITE)



LEGEND:

2 — Link No.

3 — Traffic Generation/ Attraction Node No.

56 — Node No.

LINK/NODE SYSTEM
PROVINCE OF CAVITE

TRAFFIC PROJECTION CAVITE

Movement of Passengers and Commodity

Link	Year	Number of Passengers: Normal	Diverted-1	Diverted-2	Generated	Total	Commodity Tonnage: Normal	Diverted-1	Diverted-2	Generated	Total
	1988	49204				49204	2761.53				2761.53
	1992	61268	373	-97	-	61544	3317.69	35.39	-7.19	-	3345.90
1	1996	75535	452	-125	-	75862	3944.00	40.99	-8.84	-	3976.15
	2006	122186	702	-221	-	122667	5814.30	56.88	-13.90	-	5857.28
	2016	189845	1051	-361	-	190535	8219.86	76.41	-20.47	-	8275.79
	1988	56590				56590	3036.75				3036.75
	1992	70490	-156	-204	-	70129	3650.52	16.00	-12.03	-	3654.49
2	1996	86946	-182	-259	-	86505	4342.69	18.44	-14.67	-	4346.46
	2006	140753	-266	-441	-	140046	6410.60	25.14	-22.68	-	6413.05
	2016	218655	-374	-706	-	217575	9067.36	33.42	-33.04	-	9067.74
	1988	67933				67933	3404.26				3404.26
	1992	84877	-190	-171	-	84516	4111.92	15.86	-10.82	-	4116.96
3	1996	105013	-226	-206	-	104581	4915.34	18.22	-12.61	-	4920.95
	2006	171018	-344	-310	-	170364	7332.09	24.65	-17.54	-	7339.20
	2016	266613	-503	-443	-	265668	10451.41	32.53	-23.26	-	10460.67
	1988	43549				43549	2613.88				2613.88
	1992	55556	-6291	-224	-	49041	3208.61	-316.26	-20.28	-	2872.07
4	1996	70047	-7960	-280	-	61807	3891.68	-385.80	-24.34	-	3481.55
	2006	118545	-13563	-466	-	104516	5977.26	-598.97	-36.54	-	5341.75
	2016	190130	-21843	-738	-	167549	8702.69	-877.92	-52.32	-	7772.45
	1988	32186				32186	2079.69				2079.69
	1992	41472	489	-358	61	41663	2581.05	42.61	-27.92	-	2595.74
5	1996	52793	597	-450	234	53175	3163.93	49.74	-33.55	-	3180.13
	2006	91273	943	-752	416	91880	4974.75	70.34	-50.46	-	4994.63
	2016	148957	1431	-1194	684	149878	7380.37	96.00	-72.29	-	7404.08
	1988	12159				12159	902.33				902.33
	1992	15556	582	-351	61	15858	1111.04	49.70	-29.45	-	1131.29
6	1996	19689	710	-440	234	20194	1351.39	58.11	-35.46	-	1374.04
	2006	33578	1119	-736	416	34378	2089.76	82.46	-53.56	-	2118.66
	2016	54262	1697	-1170	684	55474	3062.50	112.81	-76.95	-	3098.36
	1988	7864				7864	616.17				616.17
	1992	10346	165	-36	25	10500	780.18	23.26	-3.70	-	799.75
7	1996	13447	174	-48	99	13673	976.05	25.26	-4.76	-	996.55
	2006	24473	162	-99	180	24717	1614.48	28.40	-8.66	-	1634.22
	2016	41927	72	-191	305	42113	2514.12	28.05	-15.09	-	2527.08
	1988	6120				6120	480.07				480.07
	1992	8512	44	47	170	8773	642.46	3.37	4.38	-	650.22
8	1996	11541	54	66	647	12408	845.49	4.01	5.78	-	855.27
	2006	23511	88	134	1113	24847	1551.50	5.86	10.49	-	1567.85
	2016	43448	135	246	1816	45645	2605.14	8.12	17.23	-	2630.48

TRAFFIC PROJECTION CAVITE

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
9	1988	15809				15809	1156.97				1156.97
	1992	20448	-63	-108	-	20277	1454.72	-3.27	-9.36	-	1442.09
	1996	26153	-84	-134	-	25936	1806.77	-4.18	-11.33	-	1791.26
	2006	45634	-156	-217	-	45261	2921.30	-7.16	-17.18	-	2896.96
	2016	74691	-269	-333	-	74089	4418.33	-11.27	-24.56	-	4382.50
10	1988	29692				29692	1573.36				1573.36
	1992	39090	190	-128	-	39152	1986.03	18.84	-11.14	-	1993.73
	1996	50807	234	-159	-	50882	2475.01	22.47	-13.53	-	2483.95
	2006	91957	376	-256	-	92077	4032.63	33.10	-20.69	-	4045.05
	2016	155587	578	-389	-	155775	6143.66	46.53	-29.78	-	6160.41
11	1988	28026				28026	1493.03				1493.03
	1992	36820	-4108	-323	-	32389	1880.65	-215.66	-19.93	-	1645.06
	1996	47762	-5305	-415	-	42042	2339.01	-265.43	-24.56	-	2049.03
	2006	86090	-9447	-732	-	75911	3794.86	-420.58	-38.95	-	3335.33
	2016	145207	-15790	-1210	-	128207	5762.59	-628.26	-58.02	-	5076.31
12	1988	19056				19056	1286.25				1286.25
	1992	24925	-4566	-172	219	20406	1611.34	-263.85	-10.60	-	1336.89
	1996	32172	-5758	-220	841	27035	1992.75	-317.62	-13.00	-	1662.13
	2006	57355	-9744	-386	1470	48695	3197.88	-479.84	-20.42	-	2697.63
	2016	95972	-15623	-638	2408	82118	4826.48	-689.33	-30.33	-	4106.82
13	1988	18211				18211	1215.99				1215.99
	1992	23774	-4547	-283	69	19014	1520.05	-260.69	-19.86	-	1239.50
	1996	30636	-5735	-368	267	24801	1876.35	-313.83	-24.84	-	1537.68
	2006	54385	-9710	-664	470	44482	2996.88	-474.31	-40.69	-	2481.87
	2016	90637	-15679	-1119	777	74716	4602.82	-681.84	-62.29	-	3758.69
14	1988	13418				13418	937.90				937.90
	1992	17506	-2778	-245	69	14553	1172.26	-163.64	-18.68	-	989.94
	1996	22543	-3519	-315	267	18975	1446.61	-197.80	-23.18	-	1225.63
	2006	39925	-6011	-558	470	33826	2307.25	-301.40	-37.36	-	1968.49
	2016	66383	-9711	-925	777	56524	3461.16	-435.98	-56.46	-	2968.73
15	1988	4304				4304	326.57				326.57
	1992	5670	111	-141	66	5706	412.76	10.49	-12.68	-	410.57
	1996	7371	156	-183	253	7597	514.83	13.88	-15.78	-	512.94
	2006	13336	325	-329	446	13779	840.38	25.45	-25.61	-	840.21
	2016	22573	608	-553	739	23367	1284.15	42.11	-38.97	-	1287.29
16	1988	102				102	8.08				8.08
	1992	133	1916	443	224	2716	10.23	115.46	26.66	-	152.34
	1996	173	2416	568	859	4015	12.77	139.88	32.82	-	185.47
	2006	308	4084	993	1498	6883	20.79	214.13	52.02	-	286.94
	2016	512	6524	1626	2449	11111	31.51	309.92	77.23	-	418.67

TRAFFIC PROJECTION CAVITE

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
17	1988	1258				1258	99.07				99.07
	1992	1647	1934	477	245	4304	124.79	117.15	29.12	-	271.06
	1996	2129	2440	612	948	6128	155.09	142.02	35.94	-	333.05
	2006	3795	4129	1072	1675	10671	250.76	217.73	57.20	-	525.69
	2016	6336	6600	1760	2774	17470	379.79	315.54	85.19	-	780.52
18	1988	661				661	40.70				40.70
	1992	842	5416	-126	15	6148	50.01	316.76	-4.98	-	361.79
	1996	1061	6858	-149	59	7829	60.68	383.92	-5.23	-	439.38
	2006	1780	11712	-215	102	13379	92.82	588.87	-5.38	-	676.30
	2016	2819	18910	-297	166	21599	133.86	856.23	-4.89	-	985.20
19	1988	-				-	-				-
	1992	-	3311	-35	15	3291	-	196.22	-1.82	-	194.41
	1996	-	4220	-39	59	4240	-	239.42	-1.78	-	237.65
	2006	-	7301	-43	102	7360	-	372.34	-1.31	-	371.03
	2016	-	11909	-39	166	12036	-	547.22	-.26	-	546.96
20	1988	574				574	33.59				33.59
	1992	724	3488	717	15	4944	40.77	208.48	41.96	-	291.22
	1996	904	4441	900	59	6304	48.92	254.23	50.77	-	353.92
	2006	1489	7572	1507	102	10770	73.13	394.87	77.40	-	545.41
	2016	2327	12500	2389	166	17382	103.71	579.73	111.66	-	795.10
21	1988	2892				2892	223.49				223.49
	1992	3727	-481	2	42	3290	277.09	-35.80	.06	-	241.35
	1996	4747	-629	2	158	4279	339.51	-44.98	.13	-.01	294.66
	2006	8218	-1160	7	261	7326	533.64	-75.34	.47	-	458.77
	2016	13420	-2009	16	411	11837	791.15	-118.64	1.11	-	673.63
22	1988	3626				3626	234.81				234.81
	1992	4537	-286	-209	-	4141	289.17	-25.61	-12.98	-	250.58
	1996	5858	-362	-265	-	5232	351.87	-31.14	-15.73	-	305.00
	2006	9940	-620	-449	-	8870	543.12	-48.22	-24.05	-	470.85
	2016	15943	-1010	-719	-	14213	792.05	-70.93	-34.75	-	686.38
23	1988	3382				3382	226.26				226.26
	1992	4326	-95	-6	26	4251	278.65	-11.85	-1.66	-	265.15
	1996	5471	-126	-8	100	5437	339.29	-14.85	-2.02	-	322.41
	2006	9319	-239	-16	181	9246	525.51	-24.40	-3.22	-	497.90
	2016	14995	-416	-29	304	14854	768.67	-37.34	-4.89	-	726.44
24	1988	3992				3992	260.02				260.02
	1992	5095	63	331	502	5991	319.36	3.27	18.74	29.80	371.16
	1996	6431	84	424	1911	8849	387.87	4.18	23.11	107.96	523.12
	2006	10899	156	744	3279	15078	597.12	7.16	36.70	164.98	805.96
	2016	17436	269	1221	5289	24214	867.70	11.27	54.53	238.64	1172.14

TRAFFIC PROJECTION CAVITE

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
25	1988	3917				3917	254.57				254.57
	1992	4998	-1871	-113	278	3293	312.52	-113.88	-7.92	29.80	220.51
	1996	6306	-2356	-143	1052	4859	379.39	-137.84	-9.72	107.96	339.79
	2006	10680	-3973	-248	1781	8240	583.54	-210.57	-15.31	164.98	522.63
	2016	17076	-5331	-405	2840	13179	847.42	-304.27	-22.70	238.64	759.09
26	1988	4712				4712	321.83				321.83
	1992	6036	-1860	-167	303	4312	397.26	-112.92	-11.57	29.80	302.56
	1996	7645	-2342	-214	1144	6233	484.77	-136.62	-14.29	107.96	441.81
	2006	13055	-3947	-375	1939	10673	754.21	-208.52	-22.84	164.98	687.83
	2016	21026	-6288	-617	3106	17226	1106.07	-301.08	-34.25	238.64	1009.38
27	1988	21914				21914	1516.94				1516.94
	1992	28062	-1763	-162	380	26518	1869.18	-109.06	-13.62	-	1746.50
	1996	35556	-2199	-217	1442	34583	2278.82	-131.41	-17.54	-	2129.87
	2006	61050	-3650	-412	2465	59453	3552.75	-199.66	-30.28	-	3322.81
	2016	99128	-5773	-718	3981	96619	5238.23	-288.59	-47.86	-	4901.77
28	1988	21902				21902	1486.09				1486.09
	1992	27881	-1199	-357	380	26706	1819.50	-87.45	-26.70	-	1705.36
	1996	35130	-1519	-461	1442	34592	2204.97	-106.17	-33.30	-	2065.50
	2006	59587	-2604	-820	2465	58628	3392.76	-163.81	-54.15	-	3174.77
	2016	95760	-4221	-1367	3981	94154	4947.16	-239.75	-82.32	-	4625.09
29	1988	18341				18341	1230.50				1230.50
	1992	23304	-671	-314	344	22664	1503.41	-55.32	-22.68	-	1425.41
	1996	29327	-845	-402	1307	29387	1819.14	-66.61	-28.11	-	1724.42
	2006	49689	-1437	-706	2242	49789	2794.18	-101.61	-45.17	-	2647.40
	2016	79832	-2332	-1164	3631	79967	4070.86	-148.26	-68.07	-	3854.53
30	1988	17558				17558	1163.44				1163.44
	1992	22283	-661	-303	194	21512	1419.48	-54.64	-22.28	-	1342.56
	1996	28013	-832	-390	735	27526	1715.50	-65.76	-27.64	-	1622.10
	2006	47370	-1415	-686	1260	46529	2629.05	-100.22	-44.55	-	2484.28
	2016	75991	-2295	-1135	2040	74602	3823.65	-146.15	-67.27	-	3610.23
31	1988	12137				12137	777.32				777.32
	1992	15323	-358	-82	79	14962	945.18	-25.19	-5.54	-	914.45
	1996	19185	-467	-107	307	18918	1139.59	-31.79	-7.05	-	1100.75
	2006	32244	-854	-194	553	31749	1742.18	-53.47	-11.93	-	1676.78
	2016	51500	-1462	-327	928	50639	2529.92	-83.81	-18.65	-	2427.46
32	1988	17281				17281	957.14				957.14
	1992	23396	4367	136	-	27899	1243.55	238.07	7.57	-	1489.18
	1996	31195	5631	174	-	37001	1591.23	292.48	9.24	-	1892.95
	2006	59670	9996	305	-	59971	2748.09	461.62	14.32	-	3224.03
	2016	105587	16668	501	-	122856	4399.49	687.41	21.02	-	5107.92

TRAFFIC PROJECTION CAVITE

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
33	1988	3960				3960	232.06				232.06
	1992	5264	4328	152	-	9744	295.43	236.14	7.43	-	539.01
	1996	6893	5580	198	-	12670	370.56	289.97	9.19	-	669.72
	2006	12653	9897	359	-	22909	611.65	457.14	14.73	-	1083.53
	2016	21646	16492	609	-	38747	942.71	680.14	22.25	-	1645.09
34	1988	1666				1666	80.33				80.33
	1992	2270	4298	195	-	6763	105.38	234.51	8.79	-	348.67
	1996	3045	5539	256	-	8840	136.00	287.90	11.03	-	434.92
	2006	5867	9823	476	-	16166	237.78	453.68	18.26	-	709.72
	2016	10380	16367	821	-	27569	381.07	674.79	28.24	-	1084.10
35	1988	4108				4108	240.35				240.35
	1992	5444	-31	48	-	5461	305.14	-1.64	2.70	-	306.21
	1996	7108	-40	63	-	7131	381.67	-2.07	3.37	-	382.97
	2006	12963	-74	115	-	13004	625.89	-3.46	5.46	-	627.90
	2016	22062	-125	195	-	22132	959.40	-5.34	8.27	-	962.33
36	1988	7792				7792	386.17				386.17
	1992	10737	31	-48	-	10720	514.38	1.64	-2.71	-	513.31
	1996	14550	40	-62	-	14528	673.43	2.07	-3.38	-	672.12
	2006	28742	74	-113	-	28702	1217.58	3.46	-5.48	-	1215.56
	2016	52028	125	-192	-	51961	2012.08	5.34	-8.31	-	2009.11
37	1988	54689				54689	3599.51				3599.51
	1992	70577	-4728	-411	-	65438	4434.58	-272.87	-27.68	-	4134.03
	1996	89907	-6067	-514	-	83325	5395.45	-332.66	-33.46	-	5029.33
	2006	155768	-10664	-853	-	144251	8354.32	-516.95	-50.82	-	7786.56
	2016	255136	-17656	-1344	-	236136	12268.04	-751.12	-73.24	-	11433.67
38	1988	7386				7386	275.22				275.22
	1992	9221	-529	-107	-	8585	332.82	-19.39	-4.84	-	308.59
	1996	11411	-635	-134	-	10643	398.68	-22.55	-5.83	-	370.31
	2006	18568	-968	-220	-	17379	596.30	-31.75	-8.78	-	555.78
	2016	28810	-1426	-345	-	27039	847.51	-42.99	-12.57	-	791.95
39	1988	53451				53451	3300.87				3300.87
	1992	68933	-5258	-661	-	63014	4075.03	-292.94	-42.15	-	3739.94
	1996	87815	-6700	-829	-	80286	4970.07	-355.93	-51.04	-	4563.10
	2006	152332	-11623	-1380	-	139329	7744.05	-549.45	-77.78	-	7116.82
	2016	249812	-19057	-2182	-	228574	11431.93	-804.79	-112.35	-	10514.79
40	1988	53755				53755	3261.80				3261.80
	1992	69821	-5227	-945	-	63649	4055.09	-291.30	-58.67	-	3705.12
	1996	89609	-6660	-1200	-	81749	4982.45	-353.86	-71.83	-	4556.76
	2006	158163	-11549	-2055	-	144559	7900.90	-545.99	-112.17	-	7242.75
	2016	263084	-18932	-3323	-	240828	11835.40	-799.45	-165.29	-	10870.67

TRAFFIC PROJECTION CAVITE

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
41	1988	37012				37012	2422.53				2422.53
	1992	47816	3570	-1409	219	50195	3002.06	196.46	-87.42	-	3111.10
	1996	61067	4560	-1805	841	64663	3678.24	239.30	-107.98	-	3809.55
	2006	106517	7914	-3146	1470	112755	5790.26	370.35	-171.81	-	5988.80
	2016	175156	12924	-5150	2408	185338	8605.28	541.72	-256.59	-	8890.42
42	1988	22991				22991	1566.77				1566.77
	1992	29390	-3040	3	142	26495	1924.17	-185.89	-2.85	-	1735.43
	1996	37175	-3803	-7	543	33908	2338.39	-224.03	-4.39	-	2109.97
	2006	63595	-6341	-50	945	58160	3621.26	-339.99	-9.74	-	3271.53
	2016	102976	-10047	-128	1551	94352	5312.15	-490.19	-17.58	-	4804.38
43	1988	62139				62139	2306.17				2306.17
	1992	76013	-	.5	-	76018	2713.84	-	.10	-	2713.94
	1996	92147	-	6	-	92153	3164.79	-	.10	-	3164.90
	2006	143031	-	7	-	143038	4458.72	-	.11	-	4458.83
	2016	213583	-	8	-	213591	5042.87	-	.12	-	5042.98
44	1988	-				-	-				-
	1992	-	7220	395	-	7615	-	373.06	22.31	-	395.36
	1996	-	9081	515	-	9596	-	451.77	27.70	-	479.46
	2006	-	15289	931	-	16221	-	691.28	44.57	-	735.85
	2016	-	24407	1566	-	25973	-	1002.57	67.05	-	1069.62
45	1988	4877				4877	305.05				305.05
	1992	6432	404	-246	-	6590	387.11	10.38	-11.47	-	386.02
	1996	8371	477	-310	-	8539	484.69	11.57	-13.95	-	482.31
	2006	15191	706	-525	-	15372	797.40	14.76	-21.52	-	790.65
	2016	25736	1011	-841	-	25906	1223.69	18.20	-31.36	-	1210.53
46	1988	5089				5089	311.67				311.67
	1992	6457	-1717	-171	-	4569	380.06	-111.19	-8.57	-	260.30
	1996	8101	-2181	-211	-	5708	458.26	-134.07	-10.25	-	313.94
	2006	13571	-3756	-342	-	9492	595.61	-203.20	-15.21	-	477.20
	2016	21581	-6040	-529	-	15013	1002.85	-292.68	-21.44	-	688.74
47	1988	5750				5750	352.37				352.37
	1992	7300	388	-261	-	7426	430.07	9.35	-11.73	-	427.69
	1996	9161	458	-322	-	9298	518.94	10.43	-13.70	-	515.67
	2006	15351	675	-515	-	15511	788.43	13.32	-19.29	-	782.46
	2016	24400	961	-786	-	24575	1136.71	16.33	-26.06	-	1126.99
48	1988	3514				3514	249.75				249.75
	1992	4480	397	-465	-	4412	307.04	12.09	-30.46	-	288.67
	1996	5647	471	-585	-	5533	373.16	13.82	-36.87	-	350.11
	2006	9551	704	-981	-	9273	575.55	18.77	-56.23	-	538.08
	2016	15272	1019	-1557	-	14734	838.43	24.67	-81.05	-	782.05

TRAFFIC PROJECTION CAVITE

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
49	1988	5208				5208	298.34				298.34
	1992	5663	-93	-15	-	5555	369.49	-7.09	-1.26	-	361.14
	1996	8431	-113	-19	-	8299	452.28	-8.37	-1.55	-	442.37
	2006	14389	-176	-31	-	14181	708.20	-12.12	-2.41	-	693.68
	2016	23210	-266	-48	-	22896	1044.47	-16.82	-3.52	-	1024.14
50	1988	8075				8075	487.92				487.92
	1992	10326	-2982	148	4	7495	599.91	-181.22	11.54	-	430.23
	1996	13051	-3788	188	14	9465	728.99	-220.06	14.11	-	523.04
	2006	22207	-6513	324	24	16041	1124.06	-338.96	22.04	-	807.14
	2016	35764	-10585	526	38	25744	1640.64	-494.90	32.45	-	1178.09
51	1988	5136				5136	343.03				343.03
	1992	6546	-674	-260	36	5649	422.03	-42.49	-16.28	-	363.25
	1996	8254	-862	-328	136	7200	513.63	-52.40	-19.77	-.01	441.45
	2006	13992	-1504	-554	223	12157	796.03	-83.33	-30.42	-	682.28
	2016	22441	-2464	-885	350	19441	1165.56	-124.40	-44.23	-	996.94
52	1988	6980				6980	474.81				474.81
	1992	8878	-728	-115	36	8072	581.74	-45.44	-8.01	-	528.29
	1996	11171	-930	-148	136	10229	705.13	-55.96	-9.96	-	639.20
	2006	18850	-1618	-263	223	17192	1083.29	-88.75	-16.14	-	978.40
	2016	30122	-2646	-438	350	27388	1575.34	-132.20	-24.42	-	1418.72
53	1988	1190				1190	114.85				114.85
	1992	1552	1172	294	195	3213	144.19	94.60	25.04	-	263.83
	1996	1996	1491	377	747	4610	178.50	115.28	30.94	-	324.71
	2006	3525	2598	664	1294	8080	286.44	180.78	49.74	-	516.96
	2016	5850	4306	1105	2120	13381	431.96	270.42	75.47	-	777.85
54	1988	1190				1190	114.85				114.85
	1992	1552	938	233	197	2919	144.19	80.15	20.12	-	244.47
	1996	1996	1182	296	755	4229	178.50	96.82	24.69	-	300.00
	2006	3525	2014	513	1321	7372	286.44	148.41	39.11	-	473.96
	2016	5850	3269	844	2181	12144	431.96	217.13	58.60	-	707.70
55	1988	-				-	-				-
	1992	-	533	157	108	798	-	49.54	14.02	-	63.56
	1996	-	650	196	397	1242	-	57.91	16.86	-	74.77
	2006	-	1022	325	632	1979	-	82.21	25.45	-	107.66
	2016	-	1550	515	965	3030	-	112.64	36.60	-	149.24
56	1988	2258				2258	213.32				213.32
	1992	2782	-433	-114	123	2358	252.85	-43.01	-11.31	-	198.53
	1996	3396	-518	-140	449	3188	295.88	-49.61	-13.42	-	233.85
	2006	5349	-775	-221	701	5054	424.31	-67.97	-19.61	-	336.72
	2016	8082	-1117	-334	1049	7680	581.68	-89.77	-27.31	-	464.59

TRAFFIC PROJECTION CAVITE

Movement of Passengers and Commodity

Link	Year	Number of Passengers: Normal	Diver-ted-1	Diver-ted-2	Gene-rated	Total	Commodity Tonnage: Normal	Diver-ted-1	Diver-ted-2	Gene-rated	Total
	1988	5421				5421	386.12				386.12
	1992	6960	-303	-221	115	6551	474.30	-29.45	-16.74	-	428.11
57	1996	8828	-366	-282	428	8608	575.91	-33.97	-20.59	-	521.35
	2006	15126	-561	-492	707	14780	886.87	-46.76	-32.62	-	807.51
	2016	24491	-833	-808	1112	23963	1293.73	-62.34	-48.61	-	1182.78
	1988	1190				1190	114.85				114.85
	1992	1552	453	99	175	2279	144.19	37.04	8.96	-	190.19
58	1996	1996	593	129	682	3400	178.50	46.65	11.25	-	236.39
	2006	3525	1094	235	1221	6075	286.44	77.87	18.70	-	383.01
	2016	5850	1879	402	2048	10179	431.96	121.14	29.06	-	582.16
	1988	1373				1373	127.48				127.48
	1992	1815	-241	-33	105	1648	162.15	-22.87	-4.58	-	134.71
59	1996	2369	-321	-43	407	2412	203.39	-29.13	-5.74	-	168.53
	2006	4312	-609	-77	734	4360	335.70	-49.36	-9.45	-	276.89
	2016	7311	-1062	-128	1233	7354	516.07	-77.21	-14.45	-	424.40
	1988	3253				3253	232.16				232.16
	1992	4181	-159	-73	79	4028	287.82	-11.88	-7.59	-	268.35
60	1996	5316	-212	-95	307	5316	352.97	-15.39	-9.44	-	328.15
	2006	9197	-403	-169	553	9178	557.29	-26.93	-15.28	-	515.08
	2016	15015	-704	-281	928	14958	829.28	-43.10	-23.15	-	763.03
	1988	1153				1153	121.05				121.05
	1992	1442	-	-	319	1761	145.58	-	-	29.80	175.38
61	1996	1789	-	-	1187	2976	173.76	-	-	107.96	281.72
	2006	2951	-	-	1959	4909	260.10	-	-	164.98	425.08
	2016	4638	-	-1	3078	7715	371.00	-	-	238.64	609.64
	1988	3307				3307	163.58				163.58
	1992	4590	26	-35	-	4582	219.91	1.33	-2.27	-	218.98
62	1996	6258	35	-46	-	6247	290.33	1.71	-2.88	-	289.16
	2006	12476	66	-84	-	12458	532.62	2.92	-4.84	-	530.70
	2016	22658	112	-143	-	22628	886.80	4.58	-7.52	-	883.86
	1988	19350				19350	1143.31				1143.31
	1992	25213	-27	1	-	25187	1425.82	-2.01	.82	-	1425.63
63	1996	32415	-34	-3	-	32378	1757.62	-2.43	.72	-	1755.92
	2006	57144	-56	-22	-	57066	2788.79	-3.68	.17	-	2785.28
	2016	94605	-88	-55	-	94462	4163.37	-5.26	-.83	-	4157.28
	1988	15782				15782	660.02				660.02
	1992	20530	27	-3	-	20554	833.09	2.01	-.93	-	834.18
64	1996	26375	34	-	-	26409	1037.77	2.43	-.88	-	1039.32
	2006	46426	56	14	-	46496	1684.92	3.68	-.53	-	1688.07
	2016	76643	88	40	-	76771	2554.68	5.26	.17	-	2560.11

TRAFFIC PROJECTION CAVITE

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
65	1988	7685				7685	324.84				324.84
	1992	10344	-	13	-	10357	424.92	-	-.16	-	424.76
	1996	13721	-	19	-	13740	547.26	-	-.06	-	547.20
	2006	25887	-	43	-	25930	955.10	-	.38	-	955.48
	2016	45172	-	83	-	45255	1533.88	-	1.16	-	1535.04
66	1988	33976				33976	1865.17				1865.17
	1992	46305	-	-10	-	46295	2439.67	-	.32	-	2439.99
	1996	62093	-	-15	-	62077	3140.63	-	.25	-	3140.88
	2006	120037	-	-38	-	119999	5487.70	-	-.12	-	5487.58
	2016	213944	-	-76	-	213868	8849.88	-	-.82	-	8849.07
67	1988	17723				17723	1145.93				1145.93
	1992	23086	-6728	-258	61	16160	1438.13	-354.35	-15.41	-	1068.37
	1996	29680	-8492	-332	234	21090	1781.13	-430.06	-19.01	-	1332.06
	2006	52370	-14395	-587	416	37805	2860.63	-660.94	-30.20	-	2169.48
	2016	86744	-23096	-970	684	63363	4309.93	-961.83	-45.03	-	3303.08
68	1988	2154				2154	204.97				204.97
	1992	2819	-59	-165	61	2656	258.10	-5.66	-14.51	-	237.94
	1996	3639	-77	-218	234	3579	320.63	-7.08	-18.41	-	295.15
	2006	6477	-139	-407	416	6347	518.08	-11.59	-31.10	-	475.39
	2016	10797	-234	-704	684	10544	784.09	-17.70	-48.75	-	717.65
69	1988	394				394	36.50				36.50
	1992	525	59	164	218	968	46.77	5.66	14.46	-	66.89
	1996	692	77	217	849	1835	59.11	7.08	18.35	-	84.53
	2006	1282	139	406	1526	3353	99.13	11.59	31.02	-	141.74
	2016	2205	234	702	2573	5714	154.40	17.70	48.62	-	220.72
70	1988	1029				1029	79.64				79.64
	1992	1400	-36	-50	62	1376	104.11	-2.55	-3.80	-	97.76
	1996	1860	-46	-67	248	1995	132.88	-3.19	-4.86	-	124.83
	2006	3580	-86	-128	479	3846	231.47	-5.34	-8.44	-	217.68
	2016	6444	-148	-228	866	6934	377.33	-8.39	-13.70	-	355.24
71	1988	330				330	27.54				27.54
	1992	448	36	50	92	626	36.11	2.55	3.79	-	42.45
	1996	593	46	67	365	1071	46.21	3.19	4.84	-	54.25
	2006	1132	86	127	697	2041	80.61	5.34	8.42	-	94.38
	2016	2013	148	227	1242	3631	130.97	8.39	13.67	-	153.04
72	1988	15735				15735	824.48				824.48
	1992	21279	-	-18	-	21261	1078.45	-	-1.38	-	1077.07
	1996	28329	-	-23	-	28306	1388.05	-	-1.61	-	1386.45
	2006	53813	-	-41	-	53771	2420.30	-	-2.23	-	2418.07
	2016	94332	-	-74	-	94258	3889.87	-	-2.99	-	3886.88

TRAFFIC PROJECTION CAVITE

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
73	1988	14264				14264	441.98				441.98
	1992	19146	-	20	-	19166	563.77	-	1.40	-	565.18
	1996	25312	-	26	-	25338	708.87	-	1.62	-	710.49
	2006	47522	-	46	-	47568	1177.87	-	2.22	-	1180.09
	2016	82930	-	81	-	83011	1826.76	-	2.95	-	1829.72
74	1988	472				472	32.03				32.03
	1992	629	253	-60	-	821	40.93	22.11	-5.16	-	57.88
	1996	825	318	-77	-	1066	51.58	26.65	-6.34	-	71.89
	2006	1519	533	-132	-	1919	85.78	40.26	-9.95	-	116.09
	2016	2595	846	-214	-	3227	132.45	57.80	-14.58	-	175.57
75	1988	1467				1467	120.79				120.79
	1992	1912	-253	60	211	1929	151.63	-22.11	5.14	-	134.66
	1996	2458	-318	76	819	3036	187.83	-26.65	6.31	-	167.50
	2006	4336	-533	132	1461	5396	301.60	-40.26	9.92	-	271.26
	2016	7177	-846	213	2438	8982	464.28	-57.80	14.64	-	411.11
76	1988	2003				2003	153.46				153.46
	1992	2626	8	115	120	2869	193.28	.73	8.17	-	202.18
	1996	3397	10	150	473	4030	240.16	.93	10.23	-	251.32
	2006	6067	19	270	872	7228	388.10	1.56	16.82	-	406.48
	2016	10148	32	453	1496	12129	587.78	2.42	25.73	-	615.94
77	1988	1084				1084	89.75				89.75
	1992	1417	-8	-117	216	1509	113.17	-.73	-8.20	-	104.24
	1996	1829	-10	-152	832	2499	140.86	-.93	-10.28	-	129.65
	2006	3251	-19	-273	1456	4415	228.37	-1.56	-16.88	-	209.93
	2016	5406	-32	-458	2390	7304	345.97	-2.42	-25.81	-	317.74
78	1988	3418				3418	258.54				258.54
	1992	4482	-	-	-	4481	326.05	-	.01	-	326.06
	1996	5797	-	-1	-	5797	405.69	-	.02	-	405.70
	2006	10360	-	-1	-	10359	657.85	-	.02	-	657.88
	2016	17322	-	-1	-	17321	998.17	-	.03	-	998.20
79	1988	1019				1019	84.17				84.17
	1992	1368	44	-59	170	1523	108.69	3.37	-4.77	-	107.29
	1996	1810	54	-78	647	2434	138.33	4.01	-6.03	-	136.30
	2006	3403	88	-143	1113	4461	230.11	5.86	-10.09	-	231.88
	2016	5941	135	-243	1816	7648	374.06	8.12	-15.58	-	366.60
80	1988	1803				1803	138.47				138.47
	1992	2265	-44	59	133	2412	166.97	-3.37	4.76	-	168.35
	1996	2808	-54	77	505	3337	198.69	-4.01	6.02	-	200.70
	2006	4546	-88	142	867	5467	290.05	-5.86	10.05	-	294.23
	2016	6968	-135	241	1399	8473	400.90	-8.12	15.48	-	408.26

TRAFFIC PROJECTION CAVITE

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
81	1988	-				-	-				-
	1992	-	470	50	113	633	-	36.01	4.23	-	40.24
	1996	-	615	66	435	1115	-	45.45	5.31	-	50.76
	2006	-	1135	121	769	2025	-	76.55	8.86	-	85.41
	2016	-	1964	208	1278	3450	-	120.75	13.85	-	134.61
82	1988	-				-	-				-
	1992	-	639	29	70	737	-	47.94	2.37	-	50.31
	1996	-	823	37	266	1126	-	59.46	2.97	-	62.43
	2006	-	1465	67	459	1991	-	96.33	4.86	-	101.19
	2016	-	2460	113	745	3318	-	147.16	7.36	-	154.52
83	1988	822				822	64.75				64.75
	1992	1054	196	-53	43	1240	79.87	13.09	-4.56	-	88.39
	1996	1336	268	-69	164	1697	97.32	17.43	-5.77	-	108.98
	2006	2280	539	-129	281	2971	150.84	32.64	-9.68	-	173.79
	2016	3678	991	-222	453	4901	220.78	55.49	-15.10	-	261.17
84	1988	574				574	33.59				33.59
	1992	724	176	752	-	1653	40.77	12.26	43.78	-	96.81
	1996	904	221	939	-	2064	48.92	14.81	52.54	-	116.27
	2006	1489	372	1549	-	3410	73.13	22.53	78.71	-	174.37
	2016	2327	591	2428	-	5346	103.71	32.51	111.92	-	248.14
85	1988	489				489	37.17				37.17
	1992	629	9	-31	30	638	46.13	.68	-2.11	-	44.70
	1996	800	12	-39	114	887	56.51	.85	-2.56	-	54.80
	2006	1377	22	-67	193	1524	88.46	1.39	-3.93	-	85.92
	2016	2231	37	-107	309	2470	130.40	2.11	-5.69	-	126.82
86	1988	958				958	80.27				80.27
	1992	1243	-9	-3	150	1380	100.00	-.68	.11	-	99.43
	1996	1592	-12	-4	572	2148	123.02	-.85	.16	-	122.33
	2006	2787	-22	-5	983	3743	194.74	-1.39	.35	-	193.71
	2016	4587	-37	-5	1591	6136	290.09	-2.11	.63	-	288.61
87	1988	1460				1460	115.70				115.70
	1992	1900	80	-166	10	1824	144.82	5.93	-12.35	-	138.39
	1996	2439	94	-212	41	2363	178.89	6.64	-15.16	-	170.37
	2006	4291	131	-367	76	4131	285.58	8.16	-23.88	-	269.86
	2016	7087	171	-602	130	6787	428.17	9.23	-35.53	-	401.86
88	1988	706				706	56.37				56.37
	1992	915	40	-64	63	954	70.26	3.37	-4.65	-	68.98
	1996	1169	53	-81	249	1390	86.40	4.27	-5.61	-	85.07
	2006	2034	97	-134	454	2451	136.55	7.20	-8.46	-	135.30
	2016	3333	167	-211	771	4060	203.20	11.26	-12.05	-	202.41

TRAFFIC PROJECTION CAVITE

Movement of Passengers and Commodity

Link	Year	Number of Passengers: Normal	Diver-ted-1	Diver-ted-2	Gene-rated	Total	Commodity Tonnage: Normal	Diver-ted-1	Diver-ted-2	Gene-rated	Total
89	1988	777				777	60.52				60.52
	1992	1025	-10	76	98	1188	76.75	-1.37	5.39	-	80.78
	1996	1334	-15	96	375	1790	96.06	-1.80	6.54	-	100.79
	2006	2414	-31	161	655	3199	157.72	-3.27	9.93	-	164.39
	2016	4073	-58	256	1075	5347	241.45	-5.37	14.24	-	250.33
90	1988	1001				1001	68.68				68.68
	1992	1265	-	27	90	1382	83.61	-	1.18	-	84.79
	1996	1581	-	34	341	1956	100.63	-	1.42	-	102.06
	2006	2618	-	56	578	3252	151.78	-	2.13	-	153.91
	2016	4119	-	87	928	5134	217.27	-	3.01	-	220.28
91	1988	1145				1145	76.29				76.29
	1992	1427	-	42	-	1469	91.34	-	2.13	-	93.46
	1996	1758	-	52	-	1810	108.19	-	2.51	-	110.71
	2006	2827	-	83	-	2910	157.56	-	3.63	-	161.19
	2016	4335	-	127	-	4462	219.00	-	4.99	-	223.99
92	1988	11562				11562	728.41				728.41
	1992	14518	-	-	-	14518	879.81	-	.09	-	879.90
	1996	18089	-	-	-	18090	1054.48	-	.10	-	1054.58
	2006	30116	-	-	-	30116	1593.19	-	.13	-	1593.31
	2016	47726	-	-	-	47726	2291.25	-	.17	-	2291.42
93	1988	24164				24164	1438.99				1438.99
	1992	31478	-	-171	-	31307	1809.12	-	-13.57	-	1795.55
	1996	40519	-	-207	-	40312	2246.61	-	-15.89	-	2230.72
	2006	71588	-	-317	-	71272	3622.62	-	-22.37	-	3600.26
	2016	118132	-	-463	-	117669	5445.76	-	-30.00	-	5415.75
94	1988	124830				124830	7843.92				7843.92
	1992	159082	-	-190	-	158892	9619.12	-	-14.68	-	9604.44
	1996	200214	-	-228	-	199986	11648.64	-	-17.12	-	11631.53
	2006	337499	-	-346	-	337153	17829.10	-	-23.89	-	17805.21
	2016	540035	-	-501	-	539534	25898.95	-	-31.87	-	25867.08
95	1988	10052				10052	714.24				714.24
	1992	12452	-	175	-	12628	850.01	-	13.79	-	863.79
	1996	15246	-	212	-	15458	1000.16	-	16.12	-	1016.28
	2006	24057	-	325	-	24383	1430.26	-	22.65	-	1452.91
	2016	36197	-	475	-	36673	1951.99	-	30.34	-	1982.33
96	1988	1884				1884	110.63				110.63
	1992	2450	-63	-329	-	2058	138.43	-3.27	-18.52	-	116.64
	1996	3148	-84	-423	-	2641	171.14	-4.18	-22.98	-	143.98
	2006	5533	-156	-743	-	4634	273.10	-7.16	-36.54	-	229.40
	2016	9080	-269	-1220	-	7592	406.58	-11.27	-54.33	-	340.99

TRAFFIC PROJECTION CAVITE

Traffic Volume

Link	Year	w/o Car /Van	w/o Jeep-ney	w/o Bus	w/o Tru-ck	w/o Sub-Total	w/o Tri-cycl	w/o Mot. cycl	w/o Ani-mal	w/o Total	with Car /Van	with Jeep-ney	with Bus	with Tru-ck	with Sub-Total	with Tri-cycl	with Mot. cycl	with Ani-mal	with Total
1	1988	4551	1874	875	230	7530	-	-	-	7530									
	1992	5595	2315	1090	276	9276	-	-	-	9276	5628	2327	1095	279	9329	-	-	-	9329
	1996	6810	2832	1344	329	11314	-	-	-	11314	6848	2847	1349	331	11375	-	-	-	11375
	2006	10676	4496	2173	485	17830	-	-	-	17830	10730	4517	2182	488	17917	-	-	-	17917
	2016	16099	6864	3377	685	27025	-	-	-	27025	16173	6893	3389	690	27145	-	-	-	27145
2	1988	5151	2134	1007	253	8544	-	-	-	8544									
	1992	6337	2638	1254	304	10533	-	-	-	10533	6318	2628	1247	305	10498	-	-	-	10498
	1996	7720	3230	1546	362	12859	-	-	-	12859	7696	3218	1539	362	12815	-	-	-	12815
	2006	12126	5136	2504	534	20300	-	-	-	20300	12086	5116	2491	534	20227	-	-	-	20227
	2016	18302	7846	3889	756	30793	-	-	-	30793	18239	7814	3870	755	30678	-	-	-	30678
3	1988	6039	2526	1208	284	10056	-	-	-	10056									
	1992	7460	3134	1510	343	12447	-	-	-	12447	7442	3124	1503	343	12412	-	-	-	12412
	1996	9126	3852	1868	410	15256	-	-	-	15256	9104	3840	1850	410	15215	-	-	-	15215
	2006	14459	6172	3042	611	24284	-	-	-	24284	14425	6154	3030	612	24221	-	-	-	24221
	2016	21954	9476	4742	871	37043	-	-	-	37043	21904	9449	4725	872	36950	-	-	-	36950
4	1988	3869	1684	775	305	6632	-	-	-	6632									
	1992	4872	2129	988	374	8364	-	-	-	8364	4321	1885	872	335	7414	-	-	-	7414
	1996	6056	2661	1246	454	10428	-	-	-	10428	5376	2355	1099	406	9237	-	-	-	9237
	2006	9962	4413	2109	697	17180	-	-	-	17180	8819	3901	1859	623	15202	-	-	-	15202
	2016	15535	6945	3382	1015	26877	-	-	-	26877	13742	6136	2980	907	23765	-	-	-	23765
5	1988	2933	1267	572	243	5015	-	-	-	5015									
	1992	3730	1617	738	301	6386	-	-	-	6386	3749	1625	741	303	6418	-	-	-	6418
	1996	4687	2040	939	369	8036	-	-	-	8036	4718	2054	946	371	8089	-	-	-	8089
	2006	7856	3453	1623	580	13514	-	-	-	13514	7902	3474	1634	583	13593	-	-	-	13593
	2016	12452	5525	2649	861	21488	-	-	-	21488	12518	5556	2666	864	21604	-	-	-	21604
6	1988	852	251	312	180	1596	-	-	-	1596									
	1992	1076	319	400	222	2017	-	-	-	2017	1096	325	407	226	2055	-	-	-	2055
	1996	1342	401	506	270	2519	-	-	-	2519	1372	411	519	275	2576	-	-	-	2576
	2006	2213	574	863	418	4167	-	-	-	4167	2258	689	883	424	4254	-	-	-	4254
	2016	3466	1073	1394	612	5545	-	-	-	5545	3532	1095	1425	620	5672	-	-	-	5672
7	1988	563	331	109	123	1125	197	-	-	1322									
	1992	729	434	143	156	1462	259	-	-	1721	743	440	145	160	1489	263	-	-	1751
	1996	935	562	186	195	1878	336	-	-	2214	952	571	189	199	1912	342	-	-	2254
	2006	1645	1014	339	323	3320	612	-	-	3932	1662	1024	342	327	3356	618	-	-	3973
	2016	2730	1725	580	503	5537	1048	-	-	6585	2742	1732	583	505	5563	1053	-	-	6616
8	1988	438	257	85	96	876	153	-	-	1029									
	1992	600	357	118	128	1203	213	-	-	1416	615	367	121	130	1233	219	-	-	1452
	1995	809	486	161	169	1626	291	-	-	1917	847	516	172	171	1705	310	-	-	2016
	2006	1580	974	325	310	3190	588	-	-	3778	1645	1026	344	314	3328	621	-	-	3949
	2016	2829	1787	601	521	5738	1086	-	-	6824	2934	1872	631	526	5964	1141	-	-	7105

TRAFFIC PROJECTION CAVITE

Traffic Volume

Link	Year	w/o Car /Van	w/o Jeep-ney	w/o Bus	w/o Tru-ck	w/o Sub-Total	w/o Tri-cycl	w/o Mot. cycl	w/o Ani-mal	w/o Total	with Car /Van	with Jeep-ney	with Bus	with Tru-ck	with Sub-Total	with Tri-cycl	with Mot. cycl	with Ani-mal	with Total
	1988	1219	728	187	270	2404	-	-	-	2404									
	1992	1567	939	242	339	3088	-	-	-	3088	1553	931	240	336	3062	-	-	-	3062
9	1996	1990	1199	310	422	3920	-	-	-	3920	1973	1189	308	418	3887	-	-	-	3887
	2006	3415	2080	541	682	6717	-	-	-	6717	3387	2063	537	676	6662	-	-	-	6662
	2016	5498	3386	886	1031	10801	-	-	-	10801	5454	3359	879	1023	10713	-	-	-	10713
	1988	2140	1337	352	367	4196	-	-	-	4196									
	1992	2796	1756	464	463	5478	-	-	-	5478	2801	1759	464	466	5490	-	-	-	5490
10	1996	3607	2277	602	578	7064	-	-	-	7064	3614	2280	603	580	7077	-	-	-	7077
	2006	6417	4098	1090	941	12547	-	-	-	12547	6428	4104	1092	944	12567	-	-	-	12567
	2016	10688	6900	1845	1434	20866	-	-	-	20866	10703	6909	1847	1437	20897	-	-	-	20897
	1988	2022	1262	332	348	3965	-	-	-	3965									
	1992	2636	1654	437	439	5166	-	-	-	5166	2317	1455	384	384	4539	-	-	-	4539
11	1996	3394	2141	566	546	6647	-	-	-	6647	2985	1884	499	478	5846	-	-	-	5846
	2006	6013	3838	1021	885	11757	-	-	-	11757	5299	3383	900	778	10361	-	-	-	10361
	2016	9982	6441	1722	1345	19490	-	-	-	19490	8811	5686	1520	1184	17202	-	-	-	17202
	1988	2389	710	226	171	3497	-	-	-	3497									
	1992	3086	925	296	215	4521	-	-	-	4521	2536	759	242	178	3715	-	-	-	3715
12	1996	3935	1190	381	266	5772	-	-	-	5772	3300	1000	321	222	4841	-	-	-	4841
	2006	6820	2104	680	426	10030	-	-	-	10030	5780	1786	577	360	8503	-	-	-	8503
	2016	11123	3495	1138	644	16399	-	-	-	16399	9504	2989	974	548	14015	-	-	-	14015
	1988	2276	678	216	162	3332	-	-	-	3332									
	1992	2934	882	282	203	4300	-	-	-	4300	2359	707	225	165	3457	-	-	-	3457
13	1996	3735	1132	363	250	5481	-	-	-	5481	3034	918	294	205	4451	-	-	-	4451
	2006	6447	1993	645	400	9485	-	-	-	9485	5290	1632	527	331	7780	-	-	-	7780
	2016	10474	3298	1076	600	15447	-	-	-	15447	8660	2721	886	501	12768	-	-	-	12768
	1988	1700	502	159	125	2486	-	-	-	2486									
	1992	2189	652	208	156	3205	-	-	-	3205	1829	543	173	132	2676	-	-	-	2676
14	1996	2785	836	267	193	4081	-	-	-	4081	2348	705	225	163	3441	-	-	-	3441
	2006	4792	1469	473	308	7042	-	-	-	7042	4067	1245	401	262	5976	-	-	-	5976
	2016	7761	2423	787	461	11433	-	-	-	11433	6620	2064	670	396	9751	-	-	-	9751
	1988	369	270	34	38	711	-	-	-	711									
	1992	477	354	45	48	924	-	-	-	924	478	356	45	48	926	-	-	-	926
15	1996	608	457	58	60	1184	-	-	-	1184	617	470	60	60	1207	-	-	-	1207
	2006	1051	819	105	98	2073	-	-	-	2073	1070	843	109	99	2120	-	-	-	2120
	2016	1702	1372	178	150	3402	-	-	-	3402	1739	1416	185	150	3490	-	-	-	3490
	1988	9	9	-	.5	19	-	-	-	19									
	1992	12	12	-	.7	24	-	-	-	24	205	226	-	12	444	-	-	-	444
16	1996	15	15	-	.9	31	-	-	-	31	270	326	-	19	615	-	-	-	615
	2006	26	26	-	1	54	-	-	-	54	447	553	-	29	1029	-	-	-	1029
	2016	41	43	-	2	87	-	-	-	87	700	884	-	42	1626	-	-	-	1626

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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	115	110	-	7	232	-	-	-	232									
	1992	148	144	-	8	300	-	-	-	300	343	364	-	21	729	-	-	-	729
17	1996	187	184	-	10	382	-	-	-	382	437	508	-	33	978	-	-	-	978
	2006	318	324	-	17	658	-	-	-	658	734	874	-	53	1660	-	-	-	1660
	2016	507	532	-	25	1065	-	-	-	1065	1161	1415	-	78	2654	-	-	-	2654
	1988	36	61	-	5	101	-	-	-	101									
	1992	45	77	-	6	127	-	-	-	127	362	545	-	42	949	-	-	-	949
18	1996	55	96	-	7	159	-	-	-	159	543	652	-	51	1246	-	-	-	1246
	2006	89	159	-	11	259	-	-	-	259	895	1099	-	79	2073	-	-	-	2073
	2016	136	248	-	16	401	-	-	-	401	1396	1753	-	115	3264	-	-	-	3264
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	194	292	-	23	508	-	-	-	508
19	1996	-	-	-	-	-	-	-	-	-	294	353	-	28	675	-	-	-	675
	2006	-	-	-	-	-	-	-	-	-	492	604	-	43	1139	-	-	-	1139
	2016	-	-	-	-	-	-	-	-	-	777	976	-	64	1817	-	-	-	1817
	1988	30	52	-	4	86	-	-	-	86									
	1992	38	65	-	5	108	-	-	-	108	291	438	-	34	763	-	-	-	763
20	1996	46	81	-	6	133	-	-	-	133	437	525	-	41	1004	-	-	-	1004
	2006	73	132	-	9	213	-	-	-	213	721	885	-	64	1669	-	-	-	1669
	2016	110	203	-	12	325	-	-	-	325	1125	1411	-	93	2629	-	-	-	2629
	1988	98	217	23	45	383	-	-	-	383									
	1992	124	278	29	55	487	-	-	-	487	109	246	26	48	428	-	-	-	428
21	1996	155	353	38	68	613	-	-	-	613	137	316	34	59	546	-	-	-	546
	2006	254	602	65	107	1028	-	-	-	1028	222	534	58	92	907	-	-	-	907
	2016	395	972	106	158	1631	-	-	-	1631	342	853	94	135	1424	-	-	-	1424
	1988	147	316	21	23	509	-	-	-	509									
	1992	184	401	27	29	641	-	-	-	641	161	356	25	25	567	-	-	-	567
22	1996	227	503	35	35	800	-	-	-	800	199	446	31	31	707	-	-	-	707
	2006	363	837	59	54	1313	-	-	-	1313	319	743	53	47	1161	-	-	-	1161
	2016	551	1318	95	79	2043	-	-	-	2043	484	1170	84	69	1806	-	-	-	1806
	1988	240	297	7	23	566	-	-	-	566									
	1992	302	377	9	28	716	-	-	-	716	294	368	8	27	696	-	-	-	696
23	1996	377	473	11	34	895	-	-	-	895	369	466	11	32	877	-	-	-	877
	2006	621	789	18	53	1482	-	-	-	1482	607	776	18	50	1451	-	-	-	1451
	2016	969	1247	30	77	2323	-	-	-	2323	946	1225	29	73	2273	-	-	-	2273
	1988	293	340	-	30	663	-	-	-	663									
	1992	368	431	-	37	837	-	-	-	837	431	506	-	43	980	-	-	-	980
24	1996	458	541	-	45	1044	-	-	-	1044	626	742	-	61	1429	-	-	-	1429
	2006	750	905	-	70	1724	-	-	-	1724	1028	1247	-	94	2369	-	-	-	2369
	2016	1160	1430	-	101	2690	-	-	-	2690	1596	1979	-	137	3711	-	-	-	3711

TRAFFIC PROJECTION CAVITE

Traffic Volume

Link	Year	w/o Car /Van	w/o Jeep-ney	w/o Bus	w/o Tru-ck	w/o Sub-Total	w/o Tri-cycl	w/o Mot. cycl	w/o Ani-mal	w/o Total	with Car /Van	with Jeep-ney	with Bus	with Tru-ck	with Sub-Total	with Tri-cycl	with Mot. cycl	with Ani-mal	with Total
	1988	287	333	-	30	650	-	-	-	650									
	1992	361	423	-	36	820	-	-	-	820	245	281	-	26	552	-	-	-	552
25	1996	449	530	-	44	1023	-	-	-	1023	367	418	-	40	825	-	-	-	825
	2006	734	886	-	68	1688	-	-	-	1688	599	698	-	61	1358	-	-	-	1358
	2016	1135	1400	-	99	2633	-	-	-	2633	923	1101	-	89	2113	-	-	-	2113
	1988	353	404	-	38	794	-	-	-	794									
	1992	445	514	-	46	1006	-	-	-	1006	326	371	-	35	733	-	-	-	733
26	1996	555	648	-	57	1260	-	-	-	1260	474	537	-	52	1063	-	-	-	1063
	2006	916	1091	-	88	2095	-	-	-	2095	780	906	-	80	1767	-	-	-	1767
	2016	1425	1736	-	129	3290	-	-	-	3290	1214	1443	-	118	2775	-	-	-	2775
	1988	1972	819	346	253	3390	-	-	-	3390									
	1992	2492	1045	444	312	4292	-	-	-	4292	2346	986	419	291	4042	-	-	-	4042
27	1996	3117	1319	562	380	5378	-	-	-	5378	2993	1279	547	355	5173	-	-	-	5173
	2006	5190	2247	965	592	8994	-	-	-	8994	4993	2182	940	554	8668	-	-	-	8668
	2016	8188	3622	1567	873	14251	-	-	-	14251	7889	3520	1528	817	13754	-	-	-	13754
	1988	1957	817	346	248	3368	-	-	-	3368									
	1992	2459	1036	441	303	4239	-	-	-	4239	2338	991	422	284	4035	-	-	-	4035
28	1996	3059	1301	555	367	5283	-	-	-	5283	2964	1276	547	344	5131	-	-	-	5131
	2006	5032	2190	942	565	8729	-	-	-	8729	4877	2146	927	529	8480	-	-	-	8480
	2016	7859	3493	1514	825	13691	-	-	-	13691	7620	3423	1489	771	13302	-	-	-	13302
	1988	1633	683	290	205	2811	-	-	-	2811									
	1992	2047	865	368	251	3532	-	-	-	3532	1976	840	358	238	3410	-	-	-	3410
29	1996	2544	1085	464	303	4396	-	-	-	4396	2505	1082	465	287	4339	-	-	-	4339
	2006	4180	1824	786	466	7256	-	-	-	7256	4120	1820	787	441	7169	-	-	-	7169
	2016	6528	2910	1262	678	11378	-	-	-	11378	6438	2903	1264	642	11249	-	-	-	11249
	1988	1556	653	278	194	2681	-	-	-	2681									
	1992	1950	826	352	237	3365	-	-	-	3365	1870	796	340	224	3230	-	-	-	3230
30	1996	2420	1035	443	286	4184	-	-	-	4184	2349	1014	435	270	4069	-	-	-	4069
	2006	3970	1737	749	438	6894	-	-	-	6894	3855	1701	736	414	6706	-	-	-	6706
	2016	6191	2767	1201	637	10797	-	-	-	10797	6013	2709	1179	602	10504	-	-	-	10504
	1988	1064	450	192	130	1835	-	-	-	1835									
	1992	1327	567	242	158	2293	-	-	-	2293	1292	553	237	152	2233	-	-	-	2233
31	1996	1641	707	303	190	2842	-	-	-	2842	1608	696	299	183	2787	-	-	-	2787
	2006	2681	1180	510	290	4661	-	-	-	4661	2622	1160	502	279	4564	-	-	-	4564
	2016	4168	1872	814	422	7276	-	-	-	7276	4071	1838	801	405	7114	-	-	-	7114
	1988	589	1797	34	48	2468	-	-	-	2468									
	1992	779	2406	46	62	3294	-	-	-	3294	931	2872	55	74	3934	-	-	-	3934
32	1996	1016	3175	62	80	4332	-	-	-	4332	1207	3769	73	95	5143	-	-	-	5143
	2006	1839	5925	118	137	8020	-	-	-	8020	2157	6949	138	161	9406	-	-	-	9406
	2016	3094	10261	209	220	13784	-	-	-	13784	3594	11924	243	255	16017	-	-	-	16017

TRAFFIC PROJECTION CAVITE

Traffic Volume

Link	Year	w/o Car /Van	w/o Jeep-ney	w/o Bus	w/o Tru-ck	w/o Sub-Total	w/o Tri-cycl	w/o Mot. cycl	w/o Ani-mal	w/o Total	with Car /Van	with Jeep-ney	with Bus	with Tru-ck	with Sub-Total	with Tri-cycl	with Mot. cycl	with Ani-mal	with Total
	1988	268	332	-	31	630	-	-	-	630									
	1992	350	438	-	39	828	-	-	-	828	646	810	-	72	1527	-	-	-	1527
33	1996	452	571	-	49	1072	-	-	-	1072	827	1047	-	89	1963	-	-	-	1963
	2006	803	1034	-	82	1918	-	-	-	1918	1444	1867	-	144	3455	-	-	-	3455
	2016	1332	1748	-	126	3206	-	-	-	3206	2367	3120	-	219	5707	-	-	-	5707
	1988	106	136	-	11	252	-	-	-	252									
	1992	142	185	-	14	341	-	-	-	341	438	557	-	46	1041	-	-	-	1041
34	1996	189	247	-	18	453	-	-	-	453	564	724	-	58	1346	-	-	-	1346
	2006	354	470	-	32	856	-	-	-	856	997	1306	-	95	2398	-	-	-	2398
	2016	610	824	-	51	1485	-	-	-	1485	1650	2203	-	145	3997	-	-	-	3997
	1988	217	373	-	28	618	-	-	-	618									
	1992	282	492	-	36	809	-	-	-	809	283	493	-	36	812	-	-	-	812
35	1996	362	638	-	45	1044	-	-	-	1044	363	640	-	45	1047	-	-	-	1047
	2006	632	1145	-	73	1850	-	-	-	1850	634	1149	-	73	1856	-	-	-	1856
	2016	1033	1923	-	112	3067	-	-	-	3067	1036	1929	-	112	3077	-	-	-	3077
	1988	384	691	-	45	1119	-	-	-	1119									
	1992	522	948	-	60	1529	-	-	-	1529	521	946	-	60	1527	-	-	-	1527
36	1996	697	1278	-	79	2054	-	-	-	2054	696	1276	-	78	2051	-	-	-	2051
	2006	1332	2497	-	142	3971	-	-	-	3971	1330	2493	-	142	3965	-	-	-	3965
	2016	2335	4471	-	235	7041	-	-	-	7041	2332	4465	-	234	7032	-	-	-	7032
	1988	5377	2162	973	300	8811	-	-	-	8811									
	1992	6812	2759	1255	370	11196	-	-	-	11196	6330	2561	1164	345	10399	-	-	-	10399
37	1996	8526	3476	1599	450	14051	-	-	-	14051	7919	3226	1482	419	13046	-	-	-	13046
	2006	14175	5873	2771	695	23516	-	-	-	23516	13157	5447	2566	649	21818	-	-	-	21818
	2016	22369	9408	4538	1022	37337	-	-	-	37337	20751	8719	4200	953	34622	-	-	-	34622
	1988	600	260	131	23	1014	-	-	-	1014									
	1992	742	323	164	28	1257	-	-	-	1257	690	301	153	26	1169	-	-	-	1169
38	1996	910	398	203	33	1545	-	-	-	1545	848	371	189	31	1440	-	-	-	1440
	2006	1450	640	330	50	2470	-	-	-	2470	1356	599	309	46	2310	-	-	-	2310
	2016	2203	982	512	71	3768	-	-	-	3768	2066	921	481	66	3533	-	-	-	3533
	1988	4795	2307	845	385	8332	-	-	-	8332									
	1992	6092	2948	1090	475	10606	-	-	-	10606	5577	2697	996	436	9706	-	-	-	9706
39	1996	7651	3722	1388	580	13341	-	-	-	13341	7004	3406	1269	532	12212	-	-	-	12212
	2006	12833	6325	2408	903	22470	-	-	-	22470	11754	5791	2203	830	20578	-	-	-	20578
	2016	20411	10183	3950	1334	35877	-	-	-	35877	18703	9325	3614	1227	32869	-	-	-	32869
	1988	4793	2376	744	435	8348	-	-	-	8348									
	1992	6135	3068	966	541	10709	-	-	-	10709	5597	2618	964	494	9673	-	-	-	9673
40	1996	7762	3915	1240	664	13582	-	-	-	13582	7087	2880	1454	608	12029	-	-	-	12029
	2006	13254	6822	2188	1053	23317	-	-	-	23317	12125	5012	2571	966	20674	-	-	-	20674
	2016	21393	11216	3639	1578	37827	-	-	-	37827	19602	8230	4284	1449	33565	-	-	-	33565

TRAFFIC PROJECTION CAVITE

Traffic Volume

Link	Year	w/o Car /Van	w/o Jeep-ney	w/o Bus	w/o Tru-ck	w/o Sub-Total	w/o Tri-cycl	w/o Mot. cycl	w/o Ani-mal	w/o Total	with Car /Van	with Jeep-ney	with Bus	with Tru-ck	with Sub-Total	with Tri-cycl	with Mot. cycl	with Ani-mal	with Total
	1988	3146	1811	439	404	5799	-	-	-	5799									
	1992	4014	2326	567	500	7407	-	-	-	7407	4197	2438	595	519	7749	-	-	-	7749
41	1996	5063	2955	724	613	9356	-	-	-	9356	5328	3121	767	635	9850	-	-	-	9850
	2006	8582	5092	1263	965	15902	-	-	-	15902	9028	5377	1337	998	16740	-	-	-	16740
	2016	13746	8282	2077	1434	25539	-	-	-	25539	14458	8742	2198	1482	26880	-	-	-	26880
	1988	1979	1131	273	261	3644	-	-	-	3644									
	1992	2498	1438	348	321	4605	-	-	-	4605	2253	1296	314	289	4152	-	-	-	4152
42	1996	3122	1809	441	390	5762	-	-	-	5762	2839	1648	402	352	5240	-	-	-	5240
	2006	5189	3057	754	604	9604	-	-	-	9604	4729	2791	690	545	8755	-	-	-	8755
	2016	8182	4895	1221	885	15183	-	-	-	15183	7472	4478	1119	801	13870	-	-	-	13870
	1988	3664	1284	1596	384	6929	-	-	-	6929									
	1992	4439	1560	1953	452	8404	-	-	-	8404	4439	1560	1953	452	8405	-	-	-	8405
43	1996	5331	1878	2367	527	10104	-	-	-	10104	5332	1878	2368	527	10105	-	-	-	10105
	2006	8094	2870	3675	743	15382	-	-	-	15382	8094	2870	3675	743	15382	-	-	-	15382
	2016	11840	4224	5487	1007	22559	-	-	-	22559	11840	4224	5488	1007	22559	-	-	-	22559
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	549	652	-	18	1218	-	-	-	1218
44	1996	-	-	-	-	-	-	-	-	-	804	698	-	64	1567	-	-	-	1567
	2006	-	-	-	-	-	-	-	-	-	1322	1173	-	98	2594	-	-	-	2594
	2016	-	-	-	-	-	-	-	-	-	2063	1868	-	143	4073	-	-	-	4073
	1988	439	361	-	41	841	-	-	-	841									
	1992	572	475	-	52	1098	-	-	-	1098	581	485	-	51	1118	-	-	-	1118
45	1996	735	616	-	65	1415	-	-	-	1415	743	627	-	64	1435	-	-	-	1435
	2006	1292	1110	-	106	2508	-	-	-	2508	1300	1121	-	105	2526	-	-	-	2526
	2016	2125	1867	-	163	4156	-	-	-	4156	2129	1877	-	161	4168	-	-	-	4168
	1988	290	466	-	31	787	-	-	-	787									
	1992	361	588	-	38	986	-	-	-	986	252	414	-	26	691	-	-	-	691
46	1996	444	732	-	46	1223	-	-	-	1223	309	514	-	31	854	-	-	-	854
	2006	712	1209	-	70	1991	-	-	-	1991	494	843	-	48	1385	-	-	-	1385
	2016	1086	1897	-	100	3083	-	-	-	3083	751	1317	-	69	2138	-	-	-	2138
	1988	345	509	-	35	890	-	-	-	890									
	1992	430	643	-	43	1115	-	-	-	1115	432	652	-	43	1127	-	-	-	1127
47	1996	529	803	-	52	1383	-	-	-	1383	531	812	-	52	1395	-	-	-	1395
	2006	846	1329	-	79	2253	-	-	-	2253	847	1340	-	78	2265	-	-	-	2265
	2016	1286	2088	-	114	3488	-	-	-	3488	1286	2100	-	113	3499	-	-	-	3499
	1988	263	186	56	21	516	-	-	-	516									
	1992	316	236	71	26	648	-	-	-	648	303	290	70	24	627	-	-	-	627
48	1996	390	295	89	31	806	-	-	-	806	373	287	87	29	776	-	-	-	776
	2006	626	491	151	48	1316	-	-	-	1316	596	474	147	45	1261	-	-	-	1261
	2016	952	773	241	70	2036	-	-	-	2036	903	742	233	65	1942	-	-	-	1942

TRAFFIC PROJECTION CAVITE

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	364	420	-	40	824	-	-	-	824									
	1992	460	535	-	49	1045	-	-	-	1045	452	526	-	48	1026	-	-	-	1026
49	1996	575	675	-	60	1311	-	-	-	1311	565	654	-	59	1288	-	-	-	1288
	2006	953	1143	-	94	2191	-	-	-	2191	938	1126	-	92	2156	-	-	-	2156
	2016	1494	1829	-	139	3462	-	-	-	3462	1471	1803	-	137	3410	-	-	-	3410
	1988	625	357	128	57	1166	-	-	-	1166									
	1992	785	454	163	70	1472	-	-	-	1472	567	329	119	50	1065	-	-	-	1065
50	1996	977	571	206	85	1839	-	-	-	1839	705	413	150	61	1329	-	-	-	1329
	2006	1598	959	351	131	3039	-	-	-	3039	1152	692	254	94	2192	-	-	-	2192
	2016	2480	1528	565	191	4765	-	-	-	4765	1784	1100	407	137	3428	-	-	-	3428
	1988	415	230	81	40	767	-	-	-	767									
	1992	521	292	103	49	965	-	-	-	965	449	252	89	42	832	-	-	-	832
51	1996	647	366	130	60	1203	-	-	-	1203	560	319	114	52	1044	-	-	-	1044
	2006	1055	613	221	93	1982	-	-	-	1982	912	532	192	80	1715	-	-	-	1715
	2016	1631	972	355	136	3094	-	-	-	3094	1406	841	307	115	2671	-	-	-	2671
	1988	569	314	110	55	1049	-	-	-	1049									
	1992	712	397	140	68	1317	-	-	-	1317	647	361	128	62	1197	-	-	-	1197
52	1996	881	497	177	82	1636	-	-	-	1636	803	454	162	75	1493	-	-	-	1493
	2006	1427	827	298	126	2679	-	-	-	2679	1297	753	272	114	2436	-	-	-	2436
	2016	2195	1306	476	184	4162	-	-	-	4162	1989	1186	433	166	3773	-	-	-	3773
	1988	75	107	-	15	198	-	-	-	198									
	1992	95	139	-	19	254	-	-	-	254	179	285	-	35	499	-	-	-	499
53	1996	119	179	-	24	321	-	-	-	321	230	404	-	43	677	-	-	-	677
	2006	195	312	-	38	546	-	-	-	546	377	702	-	69	1148	-	-	-	1148
	2016	302	514	-	58	874	-	-	-	874	586	1155	-	104	1845	-	-	-	1845
	1988	75	107	-	15	198	-	-	-	198									
	1992	95	139	-	19	254	-	-	-	254	165	259	-	33	457	-	-	-	457
54	1996	119	179	-	24	321	-	-	-	321	212	370	-	40	623	-	-	-	623
	2006	195	312	-	38	546	-	-	-	546	345	641	-	63	1050	-	-	-	1050
	2016	302	514	-	58	874	-	-	-	874	532	1048	-	94	1675	-	-	-	1675
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	127	46	-	3	176	-	-	56	232
55	1996	-	-	-	-	-	-	-	-	-	71	107	-	5	183	-	-	-	183
	2006	-	-	-	-	-	-	-	-	-	104	170	-	7	282	-	-	-	282
	2016	-	-	-	-	-	-	-	-	-	149	259	-	10	418	-	-	-	418
	1988	249	106	18	14	387	205	-	-	592									
	1992	300	131	22	17	469	251	-	-	720	243	123	19	13	398	140	-	-	538
56	1996	358	159	27	20	563	304	-	-	867	304	199	25	16	544	-	-	-	544
	2006	533	248	42	28	851	472	-	-	1323	459	312	40	22	833	-	-	-	833
	2016	764	372	64	39	1238	703	-	-	1941	664	470	61	31	1225	-	-	-	1225

TRAFFIC PROJECTION CAVITE

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	253	330	86	45	714	-	-	-	714									
	1992	316	419	110	55	900	-	-	-	900	289	391	104	50	833	-	-	-	833
57	1996	389	527	140	67	1122	-	-	-	1122	361	505	136	61	1064	-	-	-	1064
	2006	622	882	239	103	1847	-	-	-	1847	581	860	234	94	1759	-	-	-	1759
	2016	942	1400	387	151	2881	-	-	-	2881	885	1353	379	138	2755	-	-	-	2755
	1988	69	107	-	15	192	-	-	38	230									
	1992	88	139	-	19	246	-	-	48	294	122	203	-	25	350	-	-	42	392
58	1996	110	179	-	24	312	-	-	59	372	168	297	-	32	497	-	-	-	497
	2006	181	312	-	38	531	-	-	95	627	281	527	-	51	859	-	-	-	859
	2016	280	514	-	58	852	-	-	144	996	441	878	-	78	1396	-	-	-	1396
	1988	39	123	-	32	194	-	-	-	194									
	1992	51	162	-	41	254	-	-	-	254	44	146	-	34	224	-	-	-	224
59	1996	65	211	-	51	327	-	-	-	327	61	211	-	42	314	-	-	-	314
	2006	114	381	-	84	578	-	-	-	578	106	379	-	69	554	-	-	-	554
	2016	185	640	-	129	954	-	-	-	954	172	634	-	106	912	-	-	-	912
	1988	260	281	-	23	564	-	-	-	564									
	1992	328	359	-	29	716	-	-	-	716	312	344	-	27	683	-	-	-	683
60	1996	411	454	-	35	900	-	-	-	900	399	449	-	33	880	-	-	-	880
	2006	684	774	-	56	1514	-	-	-	1514	662	764	-	52	1478	-	-	-	1478
	2016	1077	1247	-	83	2407	-	-	-	2407	1041	1230	-	76	2348	-	-	-	2348
	1988	136	119	-	-	255	-	-	-	255									
	1992	166	148	-	-	313	-	-	-	313	206	169	-	5	380	-	-	-	380
61	1996	201	181	-	-	382	-	-	-	382	360	245	-	28	633	-	-	-	633
	2006	312	291	-	-	603	-	-	-	603	573	397	-	43	1013	-	-	-	1013
	2016	464	445	-	-	910	-	-	-	910	872	612	-	61	1545	-	-	-	1545
	1988	195	295	-	19	510	-	-	-	510									
	1992	268	408	-	26	702	-	-	-	702	268	407	-	26	700	-	-	-	700
62	1996	363	552	-	34	949	-	-	-	949	362	551	-	34	947	-	-	-	947
	2006	710	1085	-	62	1857	-	-	-	1857	709	1083	-	62	1854	-	-	-	1854
	2016	1266	1943	-	103	3312	-	-	-	3312	1263	1939	-	103	3306	-	-	-	3306
	1988	1197	1794	-	133	3124	-	-	-	3124									
	1992	1540	2316	-	166	4022	-	-	-	4022	1539	2313	-	166	4018	-	-	-	4018
63	1996	1957	2950	-	205	5113	-	-	-	5113	1955	2947	-	205	5107	-	-	-	5107
	2006	3358	5092	-	325	8775	-	-	-	8775	3353	5086	-	325	8764	-	-	-	8764
	2016	5423	8272	-	486	14180	-	-	-	14180	5415	8260	-	485	14159	-	-	-	14159
	1988	894	1368	-	77	2339	-	-	-	2339									
	1992	1156	1770	-	97	3023	-	-	-	3023	1157	1773	-	97	3027	-	-	-	3027
64	1996	1475	2263	-	121	3859	-	-	-	3859	1477	2266	-	121	3864	-	-	-	3864
	2006	2554	3934	-	197	6684	-	-	-	6684	2558	3940	-	197	6695	-	-	-	6695
	2016	4148	6415	-	298	10861	-	-	-	10861	4155	6426	-	299	10880	-	-	-	10880

TRAFFIC PROJECTION CAVITE

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	210	732	-	38	981	-	-	-	981									
	1992	280	982	-	50	1311	-	-	-	1311	280	983	-	50	1312	-	-	-	1312
65	1996	366	1296	-	64	1726	-	-	-	1726	366	1298	-	64	1728	-	-	-	1728
	2006	667	2418	-	111	3197	-	-	-	3197	668	2422	-	111	3201	-	-	-	3201
	2016	1124	4174	-	179	5477	-	-	-	5477	1126	4181	-	179	5486	-	-	-	5486
	1988	1059	3388	-	218	4665	-	-	-	4665									
	1992	1413	4582	-	285	6279	-	-	-	6279	1413	4581	-	285	6279	-	-	-	6279
66	1996	1855	6098	-	366	8320	-	-	-	8320	1855	6097	-	366	8319	-	-	-	8319
	2006	3412	11585	-	640	15636	-	-	-	15636	3411	11582	-	640	15633	-	-	-	15633
	2016	5801	20322	-	1032	27155	-	-	-	27155	5800	20315	-	1032	27148	-	-	-	27148
	1988	1616	1316	-	153	3084	-	-	-	3084									
	1992	2077	1709	-	192	3978	-	-	-	3978	1485	1202	-	142	2830	-	-	-	2830
67	1996	2636	2190	-	237	5064	-	-	-	5064	1907	1563	-	178	3647	-	-	-	3647
	2006	4511	3837	-	381	8729	-	-	-	8729	3309	2780	-	289	6378	-	-	-	6378
	2016	7258	6312	-	576	14144	-	-	-	14144	5379	4626	-	440	10445	-	-	-	10445
	1988	134	235	-	14	383	-	-	-	383									
	1992	171	304	-	17	492	-	-	-	492	158	285	-	16	459	-	-	-	459
68	1996	214	389	-	21	624	-	-	-	624	200	377	-	20	597	-	-	-	597
	2006	354	677	-	35	1066	-	-	-	1066	331	654	-	32	1016	-	-	-	1016
	2016	551	1104	-	52	1708	-	-	-	1708	514	1064	-	48	1626	-	-	-	1626
	1988	28	43	-	1	72	-	-	-	72									
	1992	36	56	-	2	94	-	-	-	94	52	98	-	3	153	-	-	-	153
69	1996	46	73	-	2	121	-	-	-	121	69	173	-	6	248	-	-	-	248
	2006	78	133	-	3	215	-	-	-	215	120	312	-	9	442	-	-	-	442
	2016	125	224	-	5	354	-	-	-	354	194	526	-	15	735	-	-	-	735
	1988	55	107	-	5	167	-	-	-	167									
	1992	73	144	-	7	224	-	-	-	224	69	140	-	7	216	-	-	-	216
70	1996	94	190	-	9	292	-	-	-	292	92	198	-	8	298	-	-	-	298
	2006	168	358	-	15	542	-	-	-	542	165	375	-	15	555	-	-	-	555
	2016	283	632	-	25	941	-	-	-	941	280	665	-	24	968	-	-	-	968
	1988	20	35	-	1	56	-	-	-	56									
	1992	26	47	-	2	75	-	-	-	75	32	63	-	2	97	-	-	-	97
71	1996	34	62	-	2	98	-	-	-	98	43	103	-	4	149	-	-	-	149
	2006	61	115	-	4	180	-	-	-	180	77	193	-	6	276	-	-	-	276
	2016	102	201	-	7	310	-	-	-	310	130	338	-	10	478	-	-	-	478
	1988	479	1571	31	69	2150	-	-	-	2150									
	1992	636	2108	42	90	2877	-	-	-	2877	636	2106	42	90	2874	-	-	-	2874
72	1996	833	2785	56	116	3790	-	-	-	3790	832	2783	56	116	3786	-	-	-	3786
	2006	1517	5194	106	202	7019	-	-	-	7019	1516	5189	106	202	7013	-	-	-	7013
	2016	2554	8945	186	324	12010	-	-	-	12010	2552	8938	186	324	12001	-	-	-	12001

TRAFFIC PROJECTION CAVITE

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	342	1287	28	37	1694	-	-	-	1694									
	1992	451	1714	38	47	2249	-	-	-	2249	451	1716	38	47	2252	-	-	-	2252
73	1996	585	2250	50	59	2944	-	-	-	2944	586	2252	50	59	2947	-	-	-	2947
	2006	1052	4155	94	98	5399	-	-	-	5399	1054	4159	94	98	5405	-	-	-	5405
	2016	1768	7147	164	152	9231	-	-	-	9231	1770	7155	164	152	9241	-	-	-	9241
	1988	42	40	-	2	84	-	-	-	84									
	1992	54	53	-	2	110	-	-	-	110	73	71	-	3	147	-	-	-	147
74	1996	70	70	-	3	142	-	-	-	142	90	91	-	5	186	-	-	-	186
	2006	123	127	-	4	254	-	-	-	254	154	161	-	8	323	-	-	-	323
	2016	201	213	-	7	421	-	-	-	421	248	268	-	12	527	-	-	-	527
	1988	143	130	-	6	279	-	-	-	279									
	1992	183	168	-	8	358	-	-	-	358	170	166	-	7	344	-	-	-	344
75	1996	231	215	-	9	455	-	-	-	455	234	252	-	11	498	-	-	-	498
	2006	387	373	-	15	775	-	-	-	775	401	443	-	18	862	-	-	-	862
	2016	612	608	-	23	1243	-	-	-	1243	643	729	-	27	1400	-	-	-	1400
	1988	203	175	-	3	381	-	-	-	381									
	1992	261	228	-	3	492	-	-	-	492	268	247	-	7	522	-	-	-	522
76	1996	330	293	-	4	627	-	-	-	627	329	341	-	17	686	-	-	-	686
	2006	559	515	-	6	1080	-	-	-	1080	563	602	-	27	1192	-	-	-	1192
	2016	889	849	-	10	1747	-	-	-	1747	905	997	-	41	1943	-	-	-	1943
	1988	115	96	-	1	213	-	-	-	213									
	1992	147	125	-	2	274	-	-	-	274	140	130	-	3	273	-	-	-	273
77	1996	186	160	-	2	349	-	-	-	349	188	206	-	9	403	-	-	-	403
	2006	315	280	-	4	598	-	-	-	598	321	360	-	14	695	-	-	-	695
	2016	498	459	-	6	962	-	-	-	962	513	590	-	21	1124	-	-	-	1124
	1988	421	243	7	4	675	-	-	-	675									
	1992	541	317	9	5	873	-	-	-	873	541	317	9	5	872	-	-	-	872
78	1996	686	409	11	7	1113	-	-	-	1113	686	409	11	7	1113	-	-	-	1113
	2006	1169	724	20	11	1924	-	-	-	1924	1169	724	20	11	1924	-	-	-	1924
	2016	1867	1201	34	17	3119	-	-	-	3119	1867	1201	34	17	3119	-	-	-	3119
	1988	74	103	-	8	186	-	-	-	186									
	1992	98	137	-	11	246	-	-	-	246	105	147	-	11	263	-	-	-	263
79	1996	128	179	-	14	321	-	-	-	321	155	223	-	14	392	-	-	-	392
	2006	233	328	-	24	584	-	-	-	584	278	403	-	23	704	-	-	-	704
	2016	393	559	-	37	989	-	-	-	989	466	679	-	37	1182	-	-	-	1182
	1988	128	178	-	14	320	-	-	-	320									
	1992	158	222	-	17	397	-	-	-	397	166	233	-	17	415	-	-	-	415
80	1996	193	272	-	20	485	-	-	-	485	217	311	-	20	548	-	-	-	548
	2006	302	429	-	29	760	-	-	-	760	344	497	-	29	870	-	-	-	870
	2016	448	642	-	40	1130	-	-	-	1130	517	753	-	41	1311	-	-	-	1311

TRAFFIC PROJECTION CAVITE

Traffic Volume

Link	Year	w/o Car /Van	w/o Jeep-ney	w/o Bus	w/o Tru-ck	w/o Sub-Total	w/o Tri-cycl	w/o Mot. cycl	w/o Ani-mal	w/o Total	with Car /Van	with Jeep-ney	with Bus	with Tru-ck	with Sub-Total	with Tri-cycl	with Mot. cycl	with Ani-mal	with Total
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	49	24	-	9	74	184	-	27	284
81	1996	-	-	-	-	-	-	-	-	-	63	95	-	3	162	-	-	-	162
	2006	-	-	-	-	-	-	-	-	-	111	172	-	6	288	-	-	-	288
	2016	-	-	-	-	-	-	-	-	-	182	290	-	9	481	-	-	-	481
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	59	64	-	1	124	6	-	34	164
82	1996	-	-	-	-	-	-	-	-	-	71	98	-	4	173	-	-	-	173
	2006	-	-	-	-	-	-	-	-	-	119	172	-	7	298	-	-	-	298
	2016	-	-	-	-	-	-	-	-	-	190	284	-	10	485	-	-	-	485
	1988	63	69	-	4	136	41	-	-	177									
	1992	79	87	-	5	172	53	-	-	224	90	105	-	6	201	41	-	-	242
83	1996	98	110	-	6	214	67	-	-	281	115	151	-	7	274	-	-	-	274
	2006	158	185	-	10	352	114	-	-	466	192	261	-	12	465	-	-	-	465
	2016	241	293	-	15	549	184	-	-	733	301	426	-	17	744	-	-	-	744
	1988	30	42	-	4	77	57	-	-	134									
	1992	38	53	-	5	96	72	-	-	168	97	128	-	11	236	110	-	-	346
84	1996	46	66	-	6	118	90	-	-	208	143	172	-	14	329	-	-	-	329
	2006	73	107	-	9	188	149	-	-	337	229	281	-	20	530	-	-	-	530
	2016	110	164	-	12	286	233	-	-	519	348	435	-	29	811	-	-	-	811
	1988	37	45	-	2	84	-	-	-	84									
	1992	46	57	-	3	106	-	-	-	106	46	58	-	3	106	-	-	-	106
85	1996	57	72	-	4	134	-	-	-	134	59	79	-	4	141	-	-	-	141
	2006	94	123	-	6	222	-	-	-	222	96	133	-	6	236	-	-	-	236
	2016	144	196	-	9	349	-	-	-	349	149	214	-	8	371	-	-	-	371
	1988	68	85	-	9	163	-	-	-	163									
	1992	87	110	-	12	208	-	-	-	208	90	120	-	12	222	-	-	-	222
86	1996	108	140	-	14	263	-	-	-	263	124	182	-	14	321	-	-	-	321
	2006	179	242	-	23	444	-	-	-	444	207	315	-	23	544	-	-	-	544
	2016	280	393	-	34	707	-	-	-	707	325	511	-	34	870	-	-	-	870
	1988	68	141	-	15	224	-	-	-	224									
	1992	86	182	-	19	287	-	-	-	287	82	175	-	18	275	-	-	-	275
87	1996	107	232	-	24	363	-	-	-	363	103	224	-	23	350	-	-	-	350
	2006	177	403	-	38	618	-	-	-	618	169	387	-	36	591	-	-	-	591
	2016	275	656	-	57	989	-	-	-	989	261	627	-	54	941	-	-	-	941
	1988	41	68	-	5	114	-	-	-	114									
	1992	52	88	-	6	146	-	-	-	146	51	91	-	6	148	-	-	-	148
88	1996	65	111	-	7	183	-	-	-	183	63	129	-	9	200	-	-	-	200
	2006	105	191	-	11	307	-	-	-	307	104	224	-	14	342	-	-	-	342
	2016	161	309	-	17	487	-	-	-	487	161	367	-	20	548	-	-	-	548

TRAFFIC PROJECTION CAVITE

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	53	52	2	5	112	98	-	-	210									
	1992	69	68	2	6	145	128	-	-	273	75	84	3	7	170	97	-	-	267
89	1996	87	88	3	8	186	165	-	-	351	103	142	7	10	262	-	-	-	262
	2006	150	157	5	13	324	294	-	-	618	176	250	13	16	455	-	-	-	455
	2016	241	261	8	20	529	488	-	-	1017	282	413	21	25	741	-	-	-	741
	1988	71	94	-	3	168	-	-	-	168									
	1992	87	117	-	4	209	-	-	-	209	89	127	-	5	221	-	-	-	221
90	1996	107	146	-	5	258	-	-	-	258	109	175	-	9	292	-	-	-	292
	2006	168	238	-	8	413	-	-	-	413	173	286	-	13	472	-	-	-	472
	2016	252	368	-	11	631	-	-	-	631	261	447	-	18	726	-	-	-	726
	1988	72	106	-	6	185	-	-	-	185									
	1992	88	132	-	8	227	-	-	-	227	90	135	-	8	233	-	-	-	233
91	1996	105	161	-	9	276	-	-	-	276	109	166	-	9	284	-	-	-	284
	2006	162	255	-	13	430	-	-	-	430	166	262	-	13	442	-	-	-	442
	2016	237	385	-	18	641	-	-	-	641	243	396	-	19	658	-	-	-	658
	1988	1008	428	183	121	1740	-	-	-	1740									
	1992	1250	536	230	147	2162	-	-	-	2162	1250	536	230	147	2162	-	-	-	2162
92	1996	1539	666	286	176	2666	-	-	-	2666	1539	666	286	176	2666	-	-	-	2666
	2006	2488	1101	476	266	4331	-	-	-	4331	2489	1101	476	266	4331	-	-	-	4331
	2016	3838	1732	755	382	6707	-	-	-	6707	3839	1732	755	382	6707	-	-	-	6707
	1988	1997	-	764	288	3049	-	-	-	3049									
	1992	2575	-	995	362	3932	-	-	-	3932	2560	354	825	359	4098	-	-	-	4098
93	1996	3282	-	1281	449	5013	-	-	-	5013	3264	1367	637	446	5714	-	-	-	5714
	2006	5660	-	2264	725	8648	-	-	-	8648	5633	2416	1127	720	9895	-	-	-	9895
	2016	9127	-	3735	1089	13952	-	-	-	13952	9088	3989	1860	1083	16020	-	-	-	16020
	1988	11266	4879	2220	915	19279	-	-	-	19279									
	1992	14167	6161	2830	1122	24280	-	-	-	24280	14149	6154	2826	1121	24249	-	-	-	24249
94	1996	17602	7686	3561	1359	30208	-	-	-	30208	17580	7677	3557	1357	30170	-	-	-	30170
	2006	28767	12685	6003	2080	49535	-	-	-	49535	28735	12671	5997	2077	49480	-	-	-	49480
	2016	44716	19903	9605	3022	77246	-	-	-	77246	44671	19883	9596	3018	77168	-	-	-	77168
	1988	948	490	139	83	1661	-	-	-	1661									
	1992	1157	602	172	99	2031	-	-	-	2031	1175	611	175	101	2061	-	-	-	2061
95	1996	1397	731	211	117	2456	-	-	-	2456	1417	742	214	119	2492	-	-	-	2492
	2006	2130	1132	333	167	3762	-	-	-	3762	2161	1148	337	170	3815	-	-	-	3815
	2016	3105	1673	501	228	5507	-	-	-	5507	3148	1696	507	231	5583	-	-	-	5583
	1988	166	72	34	13	285	-	-	-	285									
	1992	213	93	44	16	366	-	-	-	366	179	79	37	14	308	-	-	-	308
96	1996	271	119	56	20	466	-	-	-	466	227	100	47	17	391	-	-	-	391
	2006	462	205	98	32	797	-	-	-	797	387	172	82	27	668	-	-	-	668
	2016	737	330	162	47	1277	-	-	-	1277	617	276	135	40	1068	-	-	-	1068

APPENDIX 10-2

SUMMARY OF TRAFFIC VOLUME ON STUDIED ROADS (CAVITE)

Traffic Volume by Vehicle Type CAVITE

Class of Road	Type of Impr't	Road Number	w/o Car	w/o Jeep-ney	w/o Bus	w/o Truck	w/o Total	w/o Tri-cycle	w/o Motor cycle	w/o Ani-mal	w/o Walk-ing	w/o Boat	with Car	with Jeep-ney	with Bus	with Truck	with Total	with Tri-cycle	with Motor cycle	with Ani-mal	with Walk-ing	with Boat
Primary Major	Rehab/Imp-1	N9-5	521	292	103	49	965	-	-	-	-	-	449	252	89	42	832	-	-	-	-	-
		P63-1	315	419	110	55	900	-	-	-	-	-	289	391	104	50	833	-	-	-	-	-
		N19-1	460	535	-	49	1046	-	-	-	-	-	452	526	-	48	1026	-	-	-	-	-
		P27-1	95	139	-	19	254	-	-	-	-	-	165	259	-	33	457	-	-	-	-	-
		P146-1	-	-	-	-	-	-	-	-	-	-	127	46	-	3	176	-	-	56	-	-
Second'y Major	Rehab/Imp-1	N8-2	368	431	-	37	837	-	-	-	-	-	431	506	-	43	980	-	-	-	-	-
		P19-4	316	236	71	26	648	-	-	-	-	-	303	230	70	24	627	-	-	-	-	-
		P19-1	572	475	-	52	1098	-	-	-	-	-	581	485	-	51	1118	-	-	-	-	-
		P2-1	142	185	-	14	341	-	-	-	-	-	438	557	-	46	1041	-	-	-	-	-
		N13-3	282	492	-	36	809	-	-	-	-	-	283	493	-	36	812	-	-	-	-	-
		N8-1	361	423	-	36	820	-	-	-	-	-	245	281	-	26	552	-	-	-	-	-
		N13-2	350	438	-	39	828	-	-	-	-	-	546	810	-	72	1527	-	-	-	-	-
		P66-1	302	377	9	28	716	-	-	-	-	-	294	368	8	27	696	-	-	-	-	-
		P30-1	51	162	-	41	254	-	-	-	-	-	44	146	-	34	224	-	-	-	-	-
		P56-1	184	401	27	29	641	-	-	-	-	-	161	356	25	25	567	-	-	-	-	-
		P47-1	45	77	-	5	127	-	-	-	-	-	362	545	-	42	949	-	-	-	-	-
		P27-2	88	139	-	19	246	-	-	48	-	-	122	203	-	25	350	-	-	42	-	-
		N9-4	124	278	29	55	487	-	-	-	-	-	109	245	26	48	428	-	-	-	-	-
		P45-1	12	12	-	1	24	-	-	-	-	-	206	226	-	12	444	-	-	-	-	-
		P47-2	38	65	-	5	108	-	-	-	-	-	291	438	-	34	763	-	-	-	-	-
		N21-1	166	148	-	-	313	-	-	-	-	-	206	169	-	5	380	-	-	-	-	-
	Imp-2/Widen	P12-1	-	-	-	-	-	-	-	-	-	-	549	652	-	18	1218	-	-	-	-	-

Traffic Volume by Vehicle Type CAVITE

Class of Road	Type of Impr't	Road Number	w/o Car	w/o Jeep-ney	w/o Bus	w/o Truck	w/o Total	w/o Tri-cycle	w/o Motor cycle	w/o Ani-mal	w/o Walk-ing	w/o Boat	with Car	with Jeep-ney	with Bus	with Truck	with Total	with Tri-cycle	with Motor cycle	with Ani-mal	with Walk-ing	with Boat
Minor (Nat'l/ Prov'l)	Rehab/ Imp-1	P84-1	451	1714	38	47	2249	-	-	-	-	-	451	1716	38	47	2252	-	-	-	-	-
		P7-3	280	982	-	50	1311	-	-	-	-	-	280	983	-	50	1312	-	-	-	-	-
		N18-2	541	317	9	5	873	-	-	-	-	-	541	317	9	5	872	-	-	-	-	-
		P34-1	268	408	-	26	702	-	-	-	-	-	268	407	-	26	700	-	-	-	-	-
		P44-1	261	228	-	3	492	-	-	-	-	-	268	247	-	7	522	-	-	-	-	-
		P28-1	-	-	-	-	-	-	-	-	-	-	49	24	-	1	74	184	-	27	-	-
		P29-1	69	68	2	6	145	128	-	-	-	-	75	84	3	7	170	97	-	-	-	-
		P20-1	36	56	-	2	94	-	-	-	-	-	52	98	-	3	153	-	-	-	-	-
		P103-1	73	144	-	7	224	-	-	-	-	-	69	140	-	7	216	-	-	-	-	-
		P25-1	158	222	-	17	397	-	-	-	-	-	165	233	-	17	415	-	-	-	-	-
		P35-1	250	253	-	-	503	182	-	2	631	-	255	244	-	3	502	189	-	-	405	-
		P28-2	79	87	-	5	172	53	-	-	-	-	90	105	-	6	201	41	-	-	-	-
		P58-1	32	55	-	-	86	70	-	3	132	-	33	56	-	1	89	74	-	-	93	-
		P50-1	116	48	-	-	165	15	-	9	123	-	140	56	-	1	198	9	-	-	110	-
		P18-1	278	174	-	-	452	485	-	-	415	-	289	181	-	-	470	504	-	-	432	-
		P42-1	54	53	-	2	110	-	-	-	-	-	73	71	-	3	147	-	-	-	-	-
		P57-1	46	57	-	3	106	-	-	-	-	-	45	58	-	3	106	-	-	-	-	-
		P104-1	21	12	-	-	34	-	-	9	116	-	26	19	-	0	45	17	-	4	51	-
		P68-1	48	27	-	-	75	-	-	48	146	-	48	40	-	2	90	-	-	22	75	-
		P77-1	20	21	-	-	41	-	-	6	54	-	24	24	-	0	48	-	-	2	51	-
		P26-1	86	182	-	19	287	-	-	-	-	-	82	175	-	18	275	-	-	-	-	-
		P63-1	38	53	-	5	96	72	-	-	-	-	97	128	-	11	236	110	-	-	-	-
		P59-1	88	132	-	8	227	-	-	-	-	-	90	135	-	8	233	-	-	-	-	-
		P54-1	18	18	-	0	36	-	-	2	34	-	23	22	-	0	45	-	-	-	33	-
		P32-1	19	19	-	-	39	-	-	22	63	-	27	23	-	1	51	-	-	10	41	-
		N22-1	53	102	-	1	156	-	-	5	357	-	105	110	-	1	217	-	-	-	159	-
		P60-1	87	110	-	12	208	-	-	-	-	-	90	120	-	12	222	-	-	-	-	-
		P75-1	13	12	-	0	25	9	-	1	19	-	13	12	-	0	25	7	-	-	19	-
		P74-1	11	15	-	-	26	21	-	3	34	-	11	15	-	0	26	19	-	-	24	-
		P51-1	122	127	-	-	249	-	-	30	347	-	131	134	-	2	267	-	-	7	290	-
		P71-1	197	124	-	-	321	344	-	-	293	-	197	124	-	-	321	344	-	-	293	-
		P73-1	12	19	-	-	31	25	-	2	44	-	13	21	-	0	34	27	-	-	35	-
		P101-1	165	68	-	-	233	-	-	23	242	-	185	74	-	1	260	-	-	6	212	-
		P55-1	42	70	-	-	112	91	-	5	160	-	46	76	-	1	123	101	-	-	131	-
		P62-1	19	43	-	0	62	-	-	1	73	-	22	47	-	0	70	-	-	-	64	-
		P65-1	60	-	-	-	60	-	-	7	153	-	88	-	-	0	88	3	-	4	122	-
		P83-1	166	73	-	-	238	26	-	14	191	-	172	71	-	2	245	14	-	-	132	-
		P64-1	27	27	-	-	54	-	-	8	74	-	31	31	-	0	62	-	-	2	66	-
		P102-1	58	23	-	-	82	-	-	7	74	-	65	26	-	0	91	-	-	2	70	-
		P37-1	25	-	-	-	25	24	-	7	124	-	33	-	-	0	33	37	-	3	50	-
		P146-2	5	-	-	-	5	-	-	3	53	-	5	3	-	0	9	-	-	1	22	-

Traffic Volume by Vehicle Type CAVITE

Class of Road	Type of Impr't	Road Number	w/o Car	w/o Jeep-ney	w/o Bus	w/o Truck	w/o Total	w/o Tri-cycle	w/o Motor cycle	w/o Ani-mal	w/o Walk-ing	w/o Boat	with Car	with Jeep-ney	with Bus	with Truck	with Total	with Tri-cycle	with Motor cycle	with Ani-mal	with Walk-ing	with Boat
Minor (Baran-gay)	Rehab/ Imp-1	B119-2	32	-	-	-	32	-	-	12	408	-	40	-	-	0	40	88	-	6	259	-
		B9-1	45	18	-	1	64	-	-	7	41	-	54	21	-	1	77	-	-	-	40	-
		B9-3	19	14	-	-	32	-	-	7	98	-	23	23	-	0	47	-	-	2	48	-
		B19-13	48	-	-	-	48	94	-	23	346	-	52	26	-	0	78	91	-	9	114	-
		B20-3	31	-	-	-	31	-	-	22	146	-	35	6	-	1	43	-	-	10	17	-
		B16-4	30	-	-	-	30	67	-	10	183	-	58	-	-	1	59	59	-	10	81	-
		B19-6	24	-	-	-	24	10	-	4	288	-	30	-	-	0	30	62	-	5	172	-
		B121-1	43	32	-	1	76	20	-	11	49	-	43	34	-	1	78	19	-	-	54	-
		B13-1	18	27	-	-	45	-	-	15	106	-	30	29	-	1	59	-	-	6	60	-
		B111-1	27	49	-	1	77	-	-	7	83	-	31	59	-	1	91	-	-	-	77	-
		B20-7	20	-	-	-	20	-	-	8	103	-	29	7	-	0	36	-	-	3	17	-
		B21-6	-	-	-	-	-	-	-	21	263	-	17	10	-	0	27	24	-	2	23	-
		B20-5	21	-	-	-	21	-	-	6	110	-	32	8	-	0	40	-	-	1	20	-
		B1-8	24	-	-	-	24	-	-	3	64	-	30	-	-	0	30	1	-	2	42	-
		B21-3	30	18	-	-	48	48	-	5	52	-	35	21	-	1	57	55	-	-	51	-
		B7-5	62	-	-	-	62	18	-	9	120	-	78	-	-	1	78	2	-	9	100	-
		B1-1	19	20	-	-	39	-	-	3	49	-	24	25	-	0	49	-	-	1	51	-
		B19-1	35	21	-	-	57	-	-	22	99	-	37	26	-	1	64	-	-	11	55	-
		B14-1	31	34	-	1	66	-	-	6	-	74	30	32	-	1	63	-	-	6	-	76
		B119-1	14	-	-	-	14	-	-	7	171	-	24	-	-	0	24	28	-	3	105	-
		B15-7	25	-	-	-	25	-	-	6	134	-	32	12	-	0	44	-	-	1	25	-
		B21-2	16	-	-	0	16	27	-	5	94	-	18	-	-	0	18	40	-	4	67	-
		B13-4	15	16	-	-	31	-	-	17	58	-	14	19	-	1	34	-	-	8	62	-
		B13-2	19	-	-	-	19	-	-	9	97	-	23	8	-	0	32	-	-	3	16	-
		B13-3	11	16	-	-	27	22	-	2	37	-	11	18	-	0	30	23	-	-	30	-
		B19-15	12	1	-	-	12	-	-	1	60	-	14	5	-	0	20	-	-	0	15	-
		B1-3	13	10	-	-	23	-	-	3	73	-	16	17	-	0	33	-	-	1	34	-
		B1-6	11	8	-	-	19	-	-	2	60	-	13	14	-	0	27	-	-	1	28	-
		B15-10	41	30	-	-	70	73	-	1	98	-	43	29	-	0	72	77	-	-	67	-
		B7-6	20	-	-	-	20	-	-	19	97	-	27	6	-	1	33	-	-	7	12	-
		B14-6	13	10	-	-	24	-	-	4	76	-	17	17	-	0	34	-	-	1	36	-
		B19-16	9	0	-	-	9	-	-	6	41	-	10	3	-	0	13	-	-	3	7	-
		B19-3	28	-	-	-	28	-	-	5	105	-	31	7	-	0	38	-	-	2	29	-
		B115-1	35	63	-	-	98	80	-	2	149	-	39	68	-	1	108	91	-	-	117	-
		B20-14	9	-	-	-	9	-	-	4	117	-	13	-	-	0	13	15	-	2	52	-
		B7-1	24	-	-	-	24	-	-	9	90	-	28	6	-	0	35	-	-	3	16	-
		B11-7	15	13	-	0	29	9	-	1	23	-	19	17	-	0	36	10	-	-	30	-
		B11-2	4	3	-	-	7	-	-	3	18	-	5	4	-	0	9	-	-	1	8	-
		B19-12	109	-	-	-	109	26	-	-	603	-	118	40	-	1	158	15	-	-	144	-
		B121-2	25	-	-	0	25	-	-	7	33	-	30	-	-	1	31	-	-	4	43	-
		B13-5	18	-	-	-	18	-	-	21	79	-	19	2	-	1	23	-	-	10	5	-
		B20-12	11	11	-	-	22	-	-	3	32	-	11	12	-	0	23	-	-	1	26	-
		B19-14	33	14	-	-	47	-	-	6	52	-	35	15	-	0	52	-	-	2	43	-
		B9-4	29	26	-	-	55	21	-	5	59	-	29	25	-	1	55	18	-	-	40	-
		B7-2	36	-	-	-	36	-	-	12	132	-	39	9	-	1	48	-	-	4	23	-
		B19-8	61	21	-	-	71	-	-	16	70	-	57	23	-	1	80	-	-	6	62	-
		B1-9	4	-	-	-	4	-	-	1	47	-	5	4	-	0	9	-	-	0	7	-
		B0-4	16	-	-	-	16	38	-	3	104	-	34	-	-	0	34	39	-	3	53	-
		B15-8	4	0	-	-	4	-	-	1	45	-	4	0	-	0	5	12	-	0	22	-
		B15-5	25	22	-	-	46	15	-	19	239	-	29	26	-	0	55	15	-	0	43	-

Traffic Volume by Vehicle Type CAVITE

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
Minor (Barangay)	Rehab/Imp-1	B20-11	13	11	-	-	24	-	-	8	26	-	14	13	-	0	28	-	-	4	25	-
		B106-1	20	14	-	0	35	-	-	6	81	-	21	17	-	1	39	9	-	-	26	-
		B15-1	11	-	-	-	11	-	-	3	139	-	12	-	-	0	13	32	-	2	53	-
		B2-1	15	-	-	-	15	-	-	3	28	-	18	-	-	0	19	-	-	2	28	-
		B11-3	8	1	-	-	9	-	-	3	88	-	9	9	-	0	18	-	-	1	18	-
		B0-3	20	-	-	-	20	46	-	5	125	-	39	-	-	0	39	43	-	5	58	-
		B15-11	6	-	-	-	6	15	-	1	42	-	8	-	-	0	8	22	-	1	36	-
		B20-9	8	8	-	-	16	-	-	2	19	-	9	9	-	0	18	-	-	1	18	-
		B0-2	44	-	-	-	44	-	-	7	84	-	51	-	-	0	51	-	-	4	79	-
		B16-3	60	-	-	-	60	-	-	19	124	-	64	-	-	1	65	-	-	10	87	-
		B20-13	10	11	-	-	21	-	-	3	29	-	12	12	-	0	24	-	-	1	26	-
		B1-7	8	-	-	-	8	-	-	2	43	-	17	0	-	0	18	-	-	0	24	-
		B0-1	6	-	-	-	6	8	-	1	12	-	7	-	-	0	7	8	-	1	11	-
		B0-5	21	-	-	-	21	-	-	4	78	-	20	-	-	0	20	22	-	2	30	-
		B19-4	17	7	-	-	24	-	-	0	18	-	22	9	-	0	30	-	-	-	18	-
		B14-5	11	11	-	0	22	-	-	1	22	-	12	12	-	0	23	-	-	-	17	-
		B16-5	11	-	-	-	11	23	-	6	63	-	12	-	-	1	13	18	-	6	31	-
		B12-1	20	13	-	-	33	36	-	1	43	-	23	15	-	0	39	41	-	-	37	-
	New Const.	B20-1	-	-	-	-	-	-	-	32	115	-	7	4	-	0	11	-	-	4	9	-
		B20-15	-	-	-	-	-	-	-	50	130	-	8	2	-	1	11	-	-	7	5	-
		B1-10	3	-	-	-	3	-	-	2	30	-	3	3	-	0	7	-	-	1	4	-
		B20-2	-	-	-	-	-	-	-	10	51	-	3	2	-	0	5	-	-	1	6	-
		B20-4	-	-	-	-	-	-	-	3	23	-	2	1	-	0	3	1	-	0	2	-
		B11-6	-	-	-	-	-	-	-	3	29	-	2	0	-	0	2	3	-	0	9	-
		B1-11	1	-	-	-	1	-	-	1	7	-	1	1	-	0	2	-	-	0	1	-

APPENDIX 10-3

PROPOSED IMPROVEMENT (CAVITE)

CAVITE

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	Existing Condition Condition	Proposed Improvement	Proposed Bridge (Number/Total Length)	Cost (Million Peso) Road	Cost (Million Peso) Bridge	Cost (Million Peso) Total	IRR (%)
Rehab/ Imp-1	N9-5	8.5	965	832	8.5	6.0	BT	Bad	Rehab(6.0-Ovl)		9.82	.00	9.82	60.8 (T)
	P63-1	7.4	900	833	6.4	5.5-6.0	BT	Fair/V.Bad	Rehab(5.7-AC)		15.15	.00	15.15	52.5 (T)
					1.0	6.0	PCC	Fair	-					
	N19-1	12.5	1045	1026	3.0	5.0	PCC	Fair	-		13.43	.00	13.43	45.4 (T)
					1.1	5.5-6.0	GRV	V.Bad	Imp-1(5.7-PCC)					
					3.9	5.0	BT	Bad/V.Bad	Imp-1(5.7-PCC)					
					4.5	6.0	BT	Fair	-					
	P27-1	5.1	254	457	5.1	6.0	PCC	Fair	-	2-lane Br (n= 1,L= 80m)	.00	4.56	4.56	18.5 (T)
	F146-1	10.7	0	176	1.4	3.2	GRV	Bad	Imp-1(6.0-BMP)	2-lane Br (n= 1,L= 10m)	19.60	.98	20.58	16.4 (T)
					9.3	3.2-6.0	EAR	Bad/V.Bad	Imp-1(6.0-BMP)					

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

CAVITE

Secondary 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	Existing Condition Condition	Proposed Improvement	Proposed Bridge (Number/Total Length)	Cost (Million Peso) Road	Cost (Million Peso) Bridge	Cost (Million Peso) Total	IRR (%)
Rehab/ Imp-1	N8-2	9.3	837	980	5.5	6.0	EAR	V.Bad	Imp-1(6.0-AC)		23.74	.00	23.74	69.9 (T)
					3.1	5.5	BT	V.Bad	Rehab(6.0-AC)					
					.7	6.0	PCC	Fair	-					
	P19-4	9.3	648	627	6.6	6.0	BT	Bad/V.Bad	Rehab(6.0-Ovl)		9.93	.00	9.93	69.7 (T)
					.7	6.0	BT	Fair	-					
	P19-1	12.0	1098	1118	7.2	5.0-6.0	BT	Bad/V.Bad	Imp-1(6.0-PCC)	2-lane Br (n= 1,L= 20m)	19.22	1.38	20.60	42.3 (T)
					.8	6.0	GRV	Bad	Imp-1(6.0-PCC)					
					4.0	6.0	PCC	Fair	-					
	P2-1	8.1	341	1041	8.1	6.0	BT	Bad	Imp-1(6.0-PCC)		18.82	.00	18.82	32.7 (T)
	N13-3	4.5	809	812	.9	5.0	GRV	Bad	Imp-1(6.0-AC)	2-lane Br (n= 6,L=118m)	10.33	8.71	19.05	30.2 (T)
					3.6	4.0-6.0	BT	Fair/V.Bad	Rehab(6.0-AC)					
	N8-1	13.8	820	562	7.2	4.5-6.0	BT	Bad	Rehab(6.0-AC)		24.98	.00	24.98	29.8 (T)
					.8	6.0	GRV	Bad	Imp-1(6.0-AC)					
					5.8	5.5	BT	Bad	Rehab(5.5-Ovl)					
	N13-2	8.3	828	1527	8.3	6.0	BT	Bad	Imp-1(6.0-PCC)		20.93	.00	20.93	29.4 (T)
	P66-1	5.2	716	696	3.1	5.3	BT	Fair	-	2-lane Br (n= 3,L= 38m)	4.48	3.26	7.73	29.2 (T)
					2.1	5.3	BT	Bad/V.Bad	Rehab(6.0-AC)					
	P30-1	16.7	254	224	6.9	6.0	PCC	Fair	-	2-lane Br (n= 1,L= 10m)	16.90	.98	17.88	27.8 (T)
					3.5	5.0	GRV	V.Bad	Imp-1(6.0-BMP)					
					6.3	6.0	EAR	V.Bad	Imp-1(6.0-BMP)					
	P56-1	9.6	641	567	.5	5.0	BT	V.Bad	Imp-1(6.1-PCC)	2-lane Br (n= 6,L= 80m)	6.41	6.67	13.08	24.5 (T)
					1.5	6.1	PCC	V.Bad	Rehab(6.1-PCC)					
					7.5	6.1	PCC	Fair	-					
	P47-1	4.2	127	949	1.5	6.0	PCC	Fair	-	2-lane Br (n= 3,L= 50m)	6.30	3.74	10.03	23.3 (T)
					1.8	5.5	GRV	Bad	Imp-1(6.0-AC)					
					.5	5.5	EAR	Bad	Imp-1(6.0-AC)					
					.4	2.1	PCC	Fair	Widen(6.0-PCC)					
	P27-2	11.1	246	350	5.1	6.0	PCC	Fair	-	2-lane Br (n= 2,L= 40m)	14.09	2.76	16.85	22.0 (T)
					6.0	5.5-6.0	GRV	Bad/V.Bad	Imp-1(6.0-BMP)					
	N9-4	17.9	487	426	1.5	6.0	BT	Fair	-		33.78	.00	33.78	21.3 (T)
					16.4	6.0	BT	Bad	Rehab(6.0-AC)					
	P45-1	9.5	24	444	.7	5.5-6.1	PCC	Fair	-	2-lane Br (n= 4,L= 65m)	23.69	4.92	28.60	15.5 (T)
					3.1	5.5-6.0	GRV	Bad	Imp-1(6.0-AC)					
					.5	6.1	PCC	Bad	Rehab(5.1-Ovl)					
					5.2	3.5-4.0	EAR	Bad/V.Bad	Imp-1(6.0-AC)					
	P47-2	5.7	108	763	.2	5.0	PCC	Fair	-	2-lane Br (n= 6,L= 90m)	16.93	7.07	24.01	15.0 (T)
					.2	2.1	PCC	Fair	Widen(6.0-PCC)					
					5.3	3.2-6.0	GRV	Bad/V.Bad	Imp-1(6.0-AC)					
	N21-1	11.2	313	380	.4	6.0	PCC	Fair	-		27.70	.00	27.70	1.8 (T)
					8.4	6.0	GRV	Bad	Imp-1(6.0-BMP)					
					2.4	4.0	BT	Fair	Widen(6.0-BMP)					
Imp-2/ Widen	P12-1	6.5	0	1218	1.4	5.0-6.0	PCC	Fair	-		8.39	.00	8.39	23.6 (T)
					1.0	4.0-5.0	GRV	Bad/V.Bad	Imp-1(6.0-PCC)					
					4.1	3.0-4.0	PCC	Fair	Widen(6.0-PCC)					

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

CAVITE

Minor(National/Provincial)

Type of Impr't	Road Number	Length (km)	1992 AADT w/o	1992 AADT with	Existing Condition L	Existing Condition Width	Existing Condition Type	Existing Condition Condition	Proposed Improvement	Proposed Bridge (Number/Total Length)	Cost (Million Peso) Road	Cost (Million Peso) Bridge	Cost (Million Peso) Total	IRR (%)
Rehab/ Imp-1	P84-1	9.1	2249	2252	4.4	5.0-6.0	BT	Fair	-	2-lane Br (n= 1,L= 15m)	11.35	1.18	12.53	77.7 (T)
					4.7	6.0	BT	Bad/V.Bad	Imp-1(6.0-PCC)					
	P7-3	10.7	1311	1312	4.8	6.1	PCC	Fair	-		14.03	.00	14.03	72.7 (T)
					5.9	5.0	BT	V.Bad	Imp-1(6.1-PCC)					
	N18-2	4.9	873	872	2.9	6.0	PCC	Fair	-		2.34	.00	2.34	45.3 (T)
					2.0	6.0	PCC	Bad	Rehab(6.0-Ovl)					
	P34-1	3.5	702	700	3.1	3.0-4.5	BT	Bad/V.Bad	Rehab(6.0-AC)		6.76	.00	6.76	39.1 (T)
					.4	4.5	PCC	Fair	Widen(6.0-PCC)					
	P44-1	8.1	492	522	8.1	5.5	GRV	V.Bad	Imp-1(6.0-AC)	2-lane Br (n= 4,L= 33m)	22.41	3.63	26.04	28.2 (T)
	P28-1	2.6	0	74	1.2		None		New-C(6.0-GRV)		1.51	.00	1.51	26.6 (T)
					1.2	5.5-6.0	GRV	Bad/V.Bad	Rehab(6.0-GRV)					
					.2	6.0	PCC	Fair	-					
	P29-1	16.6	145	170	14.2	1.6-5.5	GRV	Bad/V.Bad	Rehab(6.0-GRV)	2-lane Br (n= 1,L= 45m)	16.27	2.90	19.17	26.6 (T)
					2.4	4.5	EAR	V.Bad	Imp-1(6.0-GRV)					
	P20-1	11.0	94	153	3.6	4.5	PCC	Bad	Rehab(4.5-Ovl)		8.17	.00	8.17	25.4 (T)
					.6	4.5	PCC	Fair	-					
					6.9	3.2-5.5	EAR	Bad/V.Bad	Imp-1(6.0-GRV)					
	P103-1	10.6	224	216	1.2	5.0	PCC	Fair	-		17.70	.00	17.70	24.8 (T)
					2.1	5.0-6.0	GRV	Bad	Imp-1(6.0-BMP)					
					7.3	2.4-6.0	EAR	V.Bad	Imp-1(6.0-BMP)					
	P25-1	6.7	397	415	2.3	5.0-6.0	BT	Bad/V.Bad	Rehab(6.0-AC)	2-lane Br (n= 7,L=138m)	12.16	10.09	22.25	24.1 (T)
					3.3	5.5-6.0	GRV	V.Bad	Imp-1(6.0-AC)					
					1.1	6.1-6.7	PCC	Fair	-					
	P35-1	6.3	503	602	4.0	4.0	PCC	Fair	-		4.01	.00	4.01	23.9 (D)
					1.1	3.0	BT	Bad	Imp-1(4.0-PCC)					
					1.2	2.4	EAR	V.Bad	Imp-1(4.0-PCC)					
	P28-2	11.5	172	201	5.7	4.5	EAR	V.Bad	Imp-1(6.0-GRV)		16.39	.00	16.39	23.4 (T)
					2.7	6.0	EAR	Bad	Imp-1(6.0-BMP)					
					3.1	6.0	GRV	Bad	Imp-1(6.0-BMP)					
	P58-1	3.5	86	89	.6	6.0	PCC	Fair	-		2.34	.00	2.34	16.7 (D)
					1.5	3.6-6.0	GRV	Bad	Rehab(6.0-GRV)					
					1.4	2.4-4.0	EAR	Bad	Imp-1(6.0-GRV)					
	P50-1	7.5	165	198	.9	4.0	PCC	Fair	Widen(6.0-PCC)	2-lane Br (n= 2,L= 20m)	5.73	1.95	7.68	17.1 (D)
					6.6	4.0-5.5	EAR	V.Bad	Imp-1(6.0-GRV)					
	P18-1	1.1	452	470	1.1	4.5	BT	Bad	Rehab(6.0-AC)		2.17	.00	2.17	16.1 (D)

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

CAVITE

Minor(National/Provincial)(Continued)

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	P42-1	6.9	110	147	1.4 .2 5.3	5.2 5.2 6.0	EAR Bad PCC Good GRV Bad/V.Bad	Imp-1(6.0-GRV) - Rehab(6.0-GRV)		6.01	.00	6.01	14.0 (T)
	P57-1	7.0	105	106	.8 6.2	3.2 6.0	EAR V.Bad GRV V.Bad	Imp-1(6.0-GRV) Rehab(6.0-GRV)		6.22	.00	6.22	13.9 (T)
	P104-1	4.6	34	45	4.6	4.5-6.0	EAR Bad/V.Bad	Imp-1(4.0-GRV)		1.79	.00	1.79	13.5 (D)
	P68-1	9.3	75	90	9.2 .1	5.0-6.0 4.0	EAR V.Bad PCC Fair	Imp-1(6.0-GRV) -	2-lane Br (n= 1,L= 20m)	8.36	1.38	9.74	13.1 (D)
	P77-1	4.0	41	48	.9 3.1	4.7 3.2-4.7	GRV Bad EAR V.Bad	Rehab(6.0-GRV) Imp-1(6.0-GRV)		3.31	.00	3.31	12.1 (D)
	P26-1	5.1	287	275	4.9 .2	6.0 6.1	GRV Bad/V.Bad PCC Bad	Imp-1(6.0-BMP) Rehab(6.1-Ovl)		8.10	.00	8.10	12.0 (T)
	P53-1	3.8	96	236	.4 3.4	4.0 5.5	PCC Fair GRV V.Bad	- Imp-1(6.0-BMP)	2-lane Br (n= 1,L= 5m)	7.73	.78	8.51	10.7 (T)
	P59-1	7.4	227	233	5.4 2.0	4.4 4.5	PCC Fair GRV Bad	- Imp-1(6.0-PCC)	2-lane Br (n= 2,L= 16m)	4.70	1.80	6.49	10.2 (T)
	P54-1	1.8	36	45	1.8	5.0-6.0	EAR Bad/V.Bad	Imp-1(6.0-GRV)		1.50	.00	1.50	9.6 (D)
	P32-1	5.5	39	51	5.5	3.2-6.0	EAR Bad/V.Bad	Imp-1(6.0-GRV)		3.65	.00	3.65	9.4 (D)
	N22-1	6.3	156	217	1.5 .6 3.2 1.0	4.0 4.0 4.0-5.5 4.0	BT Bad PCC Fair EAR V.Bad BT Fair	Rehab(6.0-BMP) Widen(6.0-PCC) Imp-1(6.0-BMP) Widen(6.0-BMP)		12.45	.00	12.45	8.1 (D)
	P60-1	4.9	208	222	3.1 1.6 .2	3.5-4.0 5.0 5.0	BT Bad GRV V.Bad PCC Fair	Rehab(6.0-BMP) Imp-1(6.0-BMP) -		9.59	.00	9.59	7.3 (T)
	P75-1	2.6	25	25	.2 2.2 .2	4.0 4.0 2.8	PCC Fair GRV Bad EAR V.Bad	- Rehab(4.0-GRV) Imp-1(4.0-GRV)		.90	.00	.90	6.6 (D)
	P74-1	3.5	26	26	2.9 .6	5.5 5.0	GRV Bad/V.Bad PCC Fair	Rehab(6.0-GRV) -		2.20	.00	2.20	6.6 (D)
	P51-1	2.6	249	267	2.6	4.0	BT Bad/V.Bad	Rehab(6.0-BMP)		4.74	.00	4.74	6.6 (D)
	P71-1	2.9	321	321	2.9	3.5	PCC Fair	-	1-lane Br (n= 1,L= 8m)	.00	.65	.65	5.8 (D)
	P73-1	3.4	31	34	1.0 2.4	4.0 3.2	PCC Fair EAR V.Bad	- Imp-1(4.0-GRV)	1-lane Br (n= 1,L= 10m)	1.03	.71	1.74	5.3 (D)

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

CAVITE

Minor(National/Provincial)(Continued)

Type of Impr't	Road Number	Length (km)	1992 AADT w/o	1992 AADT with	Existing Condition L	Existing Condition Width	Existing Condition Type	Existing Condition Condition	Proposed Improvement	Proposed Bridge (Number/Total Length)	Cost (Million Peso) Road	Cost (Million Peso) Bridge	Cost (Million Peso) Total	IRR (%)
Rehab/ Imp-1	P101-1	4.4	233	260	1.0	4.0	PCC	Fair	-		5.96	.00	5.96	3.9 (D)
					1.4	3.0	BT	V.Bad	Rehab(4.0-BMP)					
					2.0	4.5	EAR	Bad	Imp-1(4.0-BMP)					
	P55-1	6.5	112	123	4.0	3.2-4.0	EAR	Bad/V.Bad	Imp-1(6.0-GRV)		7.74	.00	7.74	3.7 (D)
					.9	6.0	GRV	Bad	Rehab(6.0-GRV)					
					1.0	7.0	BT	V.Bad	Rehab(6.0-BMP)					
					.3	4.0	PCC	Fair	-					
					.3	6.0	GRV	Bad	Imp-1(6.0-BMP)					
	P62-1	5.4	62	70	5.4	4.5-5.5	GRV	V.Bad	Rehab(6.0-GRV)	2-lane Br (n= 1,L= 11m)	3.26	1.02	4.28	3.7 (D)
	P65-1	6.1	60	88	.6	4.5	PCC	V.Bad	Rehab(6.0-PCC)		6.92	.00	5.92	3.6 (D)
					5.5	4.0-6.0	EAR	V.Bad	Imp-1(6.0-GRV)					
	P83-1	5.4	238	245	.9	6.0	EAR	Bad	Imp-1(6.0-BMP)	2-lane Br (n= 3,L= 29m)	8.58	2.89	11.47	3.4 (D)
					.8	5.0	PCC	Fair	-					
					3.7	5.5-6.0	GRV	Bad/V.Bad	Imp-1(6.0-BMP)					
	P64-1	8.4	54	62	.4	6.0	PCC	Fair	-	2-lane Br (n= 2,L= 23m)	6.95	2.08	9.03	2.5 (D)
					5.5	4.0-5.5	EAR	Bad/V.Bad	Imp-1(6.0-GRV)					
					2.5	4.0-4.5	GRV	Bad/V.Bad	Rehab(6.0-GRV)					
	P102-1	3.6	82	91	2.1	4.0	BT	V.Bad	Rehab(4.0-BMP)		4.91	.00	4.91	.4 (D)
					1.5	4.0	GRV	V.Bad	Imp-1(4.0-BMP)					
	P37-1	4.1	25	33	.6	4.0	PCC	Fair	-		2.44	.00	2.44	.0 (D)
					2.3	5.0-5.5	GRV	Bad	Rehab(6.0-GRV)					
					1.2	3.2	EAR	V.Bad	Imp-1(6.0-GRV)					
	P146-2	2.3	5	9	2.3	3.2	EAR	Bad	Imp-1(4.0-GRV)		1.08	.00	1.08	.0 (D)

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

CAVITE

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	B119-2	2.1	32	40	2.1	3.2-4.0	EAR Bad/V.Bad	Imp-1(4.0-GRV)		.89	.00	.89	41.3 (D)
	B9-1	4.1	64	77	4.1	3.2	EAR V.Bad	Imp-1(4.0-GRV)		1.75	.00	1.75	35.2 (D)
	B9-3	1.5	32	47	1.5	2.8	EAR Bad/V.Bad	Imp-1(4.0-GRV)	1-lane Br (n= 1,L= 7m)	.85	.62	1.47	29.7 (D)
	B19-13	1.9	48	78	.7 1.2	4.5-6.1 5.5	PCC Fair EAR Bad/V.Bad	- Imp-1(4.0-GRV)		.50	.00	.50	27.7 (D)
	B20-3	2.2	31	43	2.2	3.2	GRV V.Bad	Rehab(4.0-GRV)		1.03	.00	1.03	23.2 (D)
	B16-4	2.2	30	59	.5 1.7	4.0 3.2	GRV Bad EAR V.Bad	Rehab(4.0-GRV) Imp-1(4.0-GRV)		1.53	.00	1.53	21.5 (D)
	B19-6	3.4	24	30	3.4	3.0-5.5	EAR Bad/V.Bad	Imp-1(4.0-GRV)		1.47	.00	1.47	21.0 (D)
	B121-1	3.7	76	78	.4 3.3	6.0 4.0	PCC Fair GRV V.Bad	- Rehab(4.0-GRV)		1.60	.00	1.60	20.7 (D)
	B13-1	1.9	45	59	.2 .6 1.1	4.0 4.0 2.8-4.0	PCC Fair GRV Bad EAR Bad/V.Bad	- Rehab(4.0-GRV) Imp-1(4.0-GRV)		.68	.00	.68	19.6 (D)
	B111-1	5.9	77	91	5.6 .3	2.4-4.5 4.0	EAR Bad/V.Bad PCC Fair	Imp-1(4.0-GRV) -		2.59	.00	2.59	19.1 (D)
	B20-7	2.0	20	36	2.0	5.0-6.0	EAR Bad/V.Bad	Imp-1(4.0-GRV)		.85	.00	.85	18.9 (D)
	B21-6	1.0	0	27	.5 .5	3.5	EAR Bad None	Imp-1(4.0-GRV) New-C(4.0-GRV)		.53	.00	.53	18.0 (D)
	B20-5	.8	21	40	.8	2.4-6.0	EAR Bad	Imp-1(4.0-GRV)		.44	.00	.44	17.2 (D)
	B1-8	1.5	24	30	.6 .9	4.0 3.6	PCC Good EAR V.Bad	- Imp-1(4.0-GRV)		.39	.00	.39	16.8 (D)
	B21-3	2.2	48	57	2.2	4.5-6.0	EAR Bad	Imp-1(4.0-GRV)		1.00	.00	1.00	16.8 (D)
	B7-5	5.8	62	78	5.8	2.4-4.5	EAR Bad/V.Bad	Imp-1(4.0-GRV)		2.93	.00	2.93	16.7 (D)
	B1-1	1.5	39	49	1.5	3.2	EAR V.Bad	Imp-1(4.0-GRV)		.64	.00	.64	16.5 (D)
	B19-1	5.5	57	64	.5 .5 4.4	4.0 4.0 3.6-4.5	BT V.Bad GRV Bad EAR Bad/V.Bad	Rehab(4.0-BMP) Rehab(4.0-GRV) Imp-1(4.0-GRV)		2.76	.00	2.76	16.3 (D)
	B14-1	3.3	66	63	2.7 .6	4.0 4.0	GRV V.Bad PCC Fair	Rehab(4.0-GRV) -		1.19	.00	1.19	16.2 (D)
	B119-1	2.8	14	24	2.8	4.0-4.5	EAR Bad/V.Bad	Imp-1(4.0-GRV)		1.26	.00	1.26	15.9 (D)

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

CAVITE

Minor(Barangay) (Continued)

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	B15-7	1.2	25	44	1.2	4.0	EAR Bad	Imp-1(4.0-GRV)		.54	.00	.54	15.3 (D)
	B21-2	2.1	16	18	1.8	4.0	EAR Bad	Imp-1(4.0-GRV)		.97	.00	.97	14.7 (D)
					.3	4.0	GRV V.Bad	Rehab(4.0-GRV)					
	B13-4	4.9	31	34	.4	4.0	PCC Fair	-		1.86	.00	1.86	14.6 (D)
					4.5	4.5-6.0	EAR Bad/V.Bad	Imp-1(4.0-GRV)					
	B13-2	2.0	19	32	1.2	4.5	EAR V.Bad	Imp-1(4.0-GRV)		.95	.00	.95	14.3 (D)
					.8		None	New-C(4.0-GRV)					
	B13-3	2.0	27	30	1.5	5.5	EAR V.Bad	Imp-1(4.0-GRV)		.72	.00	.72	13.5 (D)
					.5	4.0	PCC Fair	-					
	B19-15	1.4	12	20	1.0	3.2	EAR V.Bad	Imp-1(4.0-GRV)		.62	.00	.62	13.3 (D)
					.4	3.2	GRV V.Bad	Rehab(4.0-GRV)					
	B1-3	3.5	23	33	3.5	3.2	EAR V.Bad	Imp-1(4.0-GRV)		1.64	.00	1.64	13.3 (D)
	B1-6	2.3	19	27	2.3	3.2	EAR V.Bad	Imp-1(4.0-GRV)		.99	.00	.99	12.9 (D)
	B15-10	.7	70	72	.4	4.5	PCC Good	-		.66	.00	.66	12.5 (D)
					.3	4.0	EAR Bad	Imp-1(4.5-PCC)					
	B7-5	10.6	20	33	10.6	5.5	EAR V.Bad	Imp-1(4.0-GRV)		4.85	.00	4.85	11.4 (D)
	B14-6	4.0	24	34	1.2	3.2	GRV V.Bad	Rehab(4.0-GRV)		1.80	.00	1.80	10.8 (D)
					1.0	2.8	EAR V.Bad	Imp-1(4.0-GRV)					
					1.8		None	New-C(4.0-GRV)					
	B19-16	.5	9	13	.5	2.7-3.0	EAR Bad	Imp-1(4.0-GRV)		.21	.00	.21	9.9 (D)
	B19-3	2.0	28	38	.7	4.0	GRV Bad	Rehab(4.0-GRV)	1-lane Sp (n= 1,L= 15m)	1.01	1.65	2.66	9.6 (D)
					1.3	3.6	EAR V.Bad	Imp-1(4.0-GRV)	1-lane Br (n= 2,L= 22m)				
	B115-1	6.5	98	108	4.4	4.0-4.5	EAR Bad	Imp-1(4.0-GRV)		2.69	.00	2.69	9.4 (D)
					.9	4.0	GRV Bad	Rehab(4.0-GRV)					
					1.3	3.0	BT Fair	-					
	B20-14	.7	9	13	.7	4.0	GRV Bad	Rehab(4.0-GRV)		.28	.00	.28	9.4 (D)
	B7-1	5.0	24	35	.8	3.2	GRV V.Bad	Rehab(4.0-GRV)		2.31	.00	2.31	9.1 (D)
					4.2	3.2	EAR V.Bad	Imp-1(4.0-GRV)					
	B11-7	2.9	29	36	2.9	4.5-5.5	EAR V.Bad	Imp-1(4.0-GRV)	1-lane Br (n= 1,L= 8m)	1.40	.65	2.05	9.1 (D)
	B11-2	1.3	7	9	1.3	1.2-2.8	EAR V.Bad	Imp-1(4.0-GRV)		.60	.00	.60	8.4 (D)
	B19-12	1.9	109	158	.7	6.0	PCC Fair	-		2.33	.00	2.33	7.8 (D)
					.4	4.5-5.5	GRV V.Bad	Imp-1(5.0-PCC)					
					.1	4.5	GRV Bad	Imp-1(6.0-BMP)					
					.7	4.5	EAR Bad	Imp-1(6.0-BMP)					

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

CAVITE

Minor(Barangay) (Continued)

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	B121-2	4.2	26	31	4.2	6.0	EAR Bad/V.Bad	Imp-1(4.0-GRV)		1.83	.00	1.83	7.4 (D)
	B13-6	4.2	18	23	2.1 2.1	2.8	EAR V.Bad None	Imp-1(4.0-GRV) New-C(4.0-GRV)		1.98	.00	1.98	7.3 (D)
	B20-12	.9	22	23	.4 .5	3.0 3.2	BT Fair GRV V.Bad	- Rehab(4.0-GRV)		.35	.00	.35	7.2 (D)
	B19-14	2.3	47	52	1.2 1.1	4.0 4.0-5.5	GRV Bad EAR V.Bad	Rehab(4.0-GRV) Imp-1(4.0-GRV)		.94	.00	.94	7.2 (D)
	B9-4	11.0	55	55	2.9 .9 7.2	5.0-6.0 5.0 4.0	PCC Fair GRV Fair GRV Bad/V.Bad	- - Rehab(4.0-GRV)		3.08	.00	3.08	6.8 (D)
	B7-2	5.9	36	48	5.9	4.0-5.5	EAR V.Bad	Imp-1(4.0-GRV)		3.56	.00	3.56	6.3 (D)
	B19-8	3.9	71	80	1.3 2.6	4.0 4.2	GRV Bad EAR Bad/V.Bad	Rehab(4.0-GRV) Imp-1(4.0-GRV)	1-lane Br (n= 1,L= 8m)	1.66	.65	2.30	6.2 (D)
	B1-9	2.0	4	9	2.0	3.2	EAR V.Bad	Imp-1(4.0-GRV)		.86	.00	.86	6.1 (D)
	B0-4	1.5	16	34	.4 1.1	4.0 4.5	GRV Bad EAR Bad	Rehab(4.0-GRV) Imp-1(4.0-GRV)		.64	.00	.64	6.0 (D)
	B15-8	1.0	4	5	1.0	3.2	EAR V.Bad	Imp-1(4.0-GRV)		.44	.00	.44	5.7 (D)
	B15-5	1.3	46	56	.5 .8	4.4 4.5	PCC Good GRV Bad	- Imp-1(4.4-PCC)		1.54	.00	1.54	5.7 (D)
	B20-11	3.2	24	28	.2 3.0	7.0 2.6	PCC Good EAR Bad	- Imp-1(4.0-GRV)		1.28	.00	1.28	5.4 (D)
	B106-1	3.9	35	39	1.9 2.0	2.4-3.2 2.8	EAR Bad/V.Bad GRV Bad	Imp-1(4.0-GRV) Rehab(4.0-GRV)		1.68	.00	1.68	5.3 (D)
	B15-1	1.0	11	13	.1 .8 .1	4.0 4.0-6.0 4.0	GRV Bad EAR Bad PCC Good	Rehab(4.0-GRV) Imp-1(4.0-GRV) -		.38	.00	.38	5.0 (D)
	B2-1	3.8	16	19	3.8	3.2	EAR V.Bad	Imp-1(4.0-GRV)		1.63	.00	1.63	4.7 (D)
	B11-3	1.8	9	18	1.8	1.6-2.4	EAR V.Bad	Imp-1(4.0-GRV)		.81	.00	.81	4.3 (D)
	B0-3	4.2	20	39	2.1 2.0 .1	4.0 6.0 6.0	GRV Bad EAR V.Bad PCC Fair	Rehab(4.0-GRV) Imp-1(4.0-GRV) -		1.67	.00	1.67	4.2 (D)
	B15-11	1.8	6	8	1.8	3.2	EAR Bad	Imp-1(4.0-GRV)		.77	.00	.77	3.7 (D)

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

CAVITE

Minor(Barangay) (Continued)

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	B20-9	1.5	16	18	.8	4.0	GRV V.Bad	Rehab(4.0-GRV)		.74	.00	.74	3.6 (D)
					.7	5.0	EAR V.Bad	Imp-1(4.0-GRV)					
	B0-2	1.6	44	51	.5	4.0	GRV Bad	Rehab(4.0-GRV)		.64	.00	.64	1.8 (D)
					1.1	6.0	EAR Bad/V.Bad	Imp-1(4.0-GRV)					
	B16-3	8.0	60	66	8.0	4.0	GRV V.Bad	Rehab(4.0-GRV)		4.98	.00	4.98	1.5 (D)
	B20-13	1.3	21	24	.3	3.0	BT Fair	-	1-lane Br (n= 1,L= 7m)	.51	.62	1.12	1.3 (D)
					1.0	4.5	EAR Bad	Imp-1(4.0-GRV)					
	B1-7	1.2	8	18	1.2	2.4	EAR V.Bad	Imp-1(4.0-GRV)		.51	.00	.51	1.0 (D)
	B0-1	2.8	6	7	1.8	6.0	EAR Bad	Imp-1(4.0-GRV)		.97	.00	.97	.0 (D)
					.6	4.0	GRV Bad	Rehab(4.0-GRV)					
					.4	4.0	GRV Fair	-					
	B0-5	1.9	21	20	.5	4.0	GRV Bad	Rehab(4.0-GRV)		.93	.00	.93	.0 (D)
					1.4	5.5-6.0	EAR V.Bad	Imp-1(4.0-GRV)					
	B19-4	1.8	24	30	1.8	3.6	EAR Bad	Imp-1(4.0-GRV)		.77	.00	.77	.0 (D)
	B14-5	3.5	22	23	3.5	4.0	GRV Bad/V.Bad	Rehab(4.0-GRV)		1.50	.00	1.50	.0 (D)
	B16-5	3.2	11	13	1.6	3.2-3.6	GRV V.Bad	Rehab(4.0-GRV)		2.26	.00	2.26	.0 (D)
					1.6	3.2	EAR V.Bad	Imp-1(4.0-GRV)					
	B12-1	2.1	33	39	.1	7.0	BT Fair	-		.82	.00	.82	.0 (D)
					1.8	3.2	EAR V.Bad	Imp-1(4.0-GRV)					
					.2	3.5	PCC Fair	-					
New Const.	B20-1	7.5	0	11	7.5		None	New-C(4.0-GRV)		3.26	.00	3.26	19.6 (D)
	B20-15	2.3	0	11	2.3		None	New-C(4.0-GRV)		1.47	.00	1.47	19.0 (D)
	B1-10	3.5	3	7	1.0	3.2	EAR Bad	Imp-1(4.0-GRV)		1.50	.00	1.50	9.7 (D)
					2.5		None	New-C(4.0-GRV)					
	B20-2	2.7	0	5	1.0	2.4	EAR Bad	Imp-1(4.0-GRV)		1.23	.00	1.23	8.8 (D)
					1.7		None	New-C(4.0-GRV)					
	B20-4	.7	0	3	.7		None	New-C(4.0-GRV)		.29	.00	.29	7.9 (D)
	B11-6	1.4	0	2	1.4		None	New-C(4.0-GRV)		.78	.00	.78	4.5 (D)
	B1-11	1.0	1	2	1.0		None	New-C(4.0-GRV)		.43	.00	.43	2.4 (D)

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

APPENDIX 10-4

QUANTITY AND CONSTRUCTION COST (CAVITE)

Quantity and Construction Cost CAVITE

	Unit	N9-5	P63-1	N19-1	P27-1	P146-1	N8-2	P19-4	P19-1	P2-1	N13-3	N8-1
Total Road Length	km	6.5	7.4	12.5	5.1	10.7	9.3	9.3	12.0	8.1	4.5	13.8
Improvement Length	km	8.5	6.4	5.0	.0	10.7	8.6	8.6	8.0	8.1	4.5	13.8
Proposed Pavement Type		5.0-Ovl	6.7-AC	6.7-PCC		6.0-BMP	6.0-AC	5.0-Ovl	6.0-PCC	6.0-PCC	6.0-AC	6.0-AC 5.5-Ovl
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	-	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	-	15747	7836	-	19368	9124	-	12124	12312	12664	17676
107 Borrow	m3	-	-	-	-	-	12552	-	-	-	-	-
108 Aggregate Subbase	m3	1275	14719	14190	-	17742	22733	1290	19580	17172	10718	18751
118-1 Preparation of Prev.Road(Grvl)	m2	25500	-	12830	-	92714	59400	25800	8480	-	5400	26040
118-2 Preparation of Prev.Road(Asph)	m2	-	38250	19500	-	-	17050	-	42600	48600	15400	33850
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	51000	-	-	-	-	-	51600	-	-	-	31900
200 Crushed Aggregate Base Course	m3	-	9536	-	-	10414	11610	-	-	-	6076	10800
300 Crushed Aggr. Surface Course	m3	-	-	-	-	-	-	-	-	-	-	-
302 Bituminous Prime Coat	M.T.	61	51	-	-	73	62	62	-	-	32	96
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	-	-	-	61080	-	-	-	-	-	-
310 Bitum.Concrete Surface Course	M.T.	5610	4717	-	-	-	5676	5676	-	-	2970	8789
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	-	-	33500	-	-	-	-	48000	48600	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	-	3120	-	-	-	-	-	-
413-1 RCPC (dia.910mm)	m	255	195	150	-	315	585	255	240	240	135	420
413-2 Headwall for RCPC (dia.910mm)	Set	17	13	10	-	21	39	17	16	16	9	28
500 Grouted Riprap	m3	-	-	-	-	-	5570	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	-	1500	-	-	8000	-	-	-	-	1800	5800
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	-	-	-	80	10	-	-	20	-	118	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	-	-	-	2	2	-	-	2	-	12	-
1-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Pier	Each	-	-	-	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.	9.82	15.15	13.43	.00	19.60	23.74	9.93	19.22	18.82	10.33	24.98
Bridge Construction Cost	M.p.	.00	.00	.00	4.56	.98	.00	.00	1.38	.00	8.71	.00
Total Construction Cost	M.p.	9.82	15.15	13.43	4.56	20.58	23.74	9.93	20.59	18.82	19.05	24.98
Road Construction Cost/Impr't km	M.p.	1.15	2.37	2.69	.00	1.83	2.76	1.15	2.40	2.32	2.30	1.81
Total Construction Cost/Total km	M.p.	1.15	2.05	1.07	.89	1.92	2.55	1.07	1.72	2.32	4.23	1.81

Quantity and Construction Cost CAVITE

	Unit	N13-2	P66-1	P30-1	P56-1	P47-1	P27-2	N9-4	P45-1	P47-2	N21-1	P12-1
Total Road Length	km	8.3	5.2	16.7	9.6	4.2	11.1	17.9	9.5	5.7	11.2	6.5
Improvement Length	km	8.3	2.1	9.8	2.0	2.7	6.0	16.4	8.8	5.5	10.8	5.1
Proposed Pavement Type		6.0-PCC	6.0-AC	6.0-BMP	6.1-PCC	6.0-AC 6.0-PCC	6.0-BMP	6.0-AC	6.0-AC 6.1-Ovl	6.0-PCC 6.0-AC	6.0-BMP	5.0-PCC
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	-	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	14276	2121	4725	22500	6935	27446	25256	50419	40555	121500	14808
107 Borrow	m3	-	-	-	-	-	-	-	-	-	-	-
108 Aggregate Subbase	m3	24236	4125	15161	3995	6801	8922	36162	21473	12996	14974	10436
118-1 Preparation of Prev.Road(Grvl)	m2	-	-	87346	-	22940	46300	-	55710	31700	67200	12600
118-2 Preparation of Prev.Road(Asph)	m2	49800	11130	-	11650	-	-	98400	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	3050	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	2835	10025	-	3105	6138	22140	11205	7155	9461	-
300 Crushed Aggr. Surface Course	m3	-	-	-	-	-	-	-	-	-	-	-
302 Bituminous Prime Coat	M.T.	-	15	71	-	17	43	118	63	38	66	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	-	58800	-	-	36000	-	-	-	55200	-
310 Bitum.Concrete Surface Course	M.T.	-	1386	-	-	1518	-	10824	5814	3498	-	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	49800	-	-	12200	1560	-	-	-	780	-	16800
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
413-1 RCPC (dia.910mm)	m	255	60	300	60	75	180	495	270	165	295	94
413-2 Headwall for RCPC (dia.910mm)	Set	17	4	20	4	5	12	33	18	11	22	10
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	-	1000	7000	2000	1400	12000	-	9300	10800	10800	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	160	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	30	12
2-lane Bridge,Superstructure	m	-	38	10	80	50	40	-	65	90	-	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	-	6	2	12	6	4	-	8	12	-	-
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.	20.93	4.48	16.90	6.41	6.30	14.09	33.78	23.69	16.93	27.70	8.39
Bridge Construction Cost	M.p.	.00	3.25	.98	6.67	3.74	2.76	.00	4.92	7.07	.00	.00
Total Construction Cost	M.p.	20.93	7.73	17.88	13.08	10.03	16.85	33.78	28.60	24.01	27.70	8.39
Road Construction Cost/Impr't km	M.p.	2.52	2.13	1.72	3.20	2.33	2.35	2.06	2.69	3.08	2.56	1.64
Total Construction Cost/Total km	M.p.	2.52	1.49	1.07	1.36	2.39	1.52	1.89	3.01	4.21	2.47	1.29

Quantity and Construction Cost CAVITE

	Unit	P84-1	P7-3	N13-2	P34-1	P44-1	P28-1	P29-1	P20-1	P103-1	P25-1	P35-1
Total Road Length	km	9.1	10.7	4.9	3.5	8.1	2.6	16.6	11.0	10.6	6.7	6.3
Improvement Length	km	4.7	5.9	2.0	3.5	8.1	2.4	16.6	10.5	9.4	5.6	2.3
Proposed Pavement Type		6.0-PCC	6.1-PCC	6.0-Ovl	6.0-AC 6.0-PCC	6.0-AC	6.0-GRV	6.0-GRV	4.5-Ovl 6.0-GRV	6.0-BMP	6.0-AC	4.0-PCC
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	-	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	7737	9617	-	6249	23267	1800	46600	5175	14375	6207	2682
107 Borrow	m3	-	-	-	-	-	1356	2566	5267	168	376	-
108 Aggregate Subbase	m3	7652	13216	200	7670	15795	1584	10956	5094	15823	14518	5006
118-1 Preparation of Prev.Road(Grvl)	m2	-	-	4000	-	86700	15840	96310	56340	67306	35640	10320
118-2 Preparation of Prev.Road(Asph)	m2	28200	29500	-	10450	-	-	-	-	-	11900	3300
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	12000	-	-	-	-	16200	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	-	-	4185	10935	-	-	-	9412	7560	-
300 Crushed Aggr. Surface Course	m3	-	-	-	-	-	2160	14778	6210	-	-	-
302 Bituminous Prime Coat	M.T.	-	-	14	22	58	-	-	19	66	40	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	-	-	-	-	-	-	-	55200	-	-
310 Bitum.Concrete Surface Course	M.T.	-	-	1320	2046	5346	-	-	1782	-	3696	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
316-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
316-2 PCC Pavement (t=20 cm)	m2	28200	35990	-	600	-	-	-	-	-	-	9200
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	-	-	-	1080	-	1200	-	-
413-1 RCPC (dia.910mm)	m	135	180	60	98	240	75	495	295	285	180	40
413-2 Headwall for RCPC (dia.910mm)	Set	9	12	4	7	16	5	33	23	19	12	5
500 Grouted Riprap	m3	-	-	-	-	-	-	-	558	95	206	-
517 Side Ditch (Grouted Riprap)	m	2700	-	-	-	16200	-	13150	-	9100	-	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	3	-	-	-
2-lane Bridge,Superstructure	m	15	-	-	-	33	-	45	-	-	138	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	2	-	-	-	8	-	2	-	-	14	-
1-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Pier	Each	-	-	-	-	-	-	2	-	-	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.	11.35	14.03	2.34	6.76	22.41	1.51	16.27	8.17	17.70	12.15	4.01
Bridge Construction Cost	M.p.	1.18	.00	.00	.00	3.63	.00	2.90	.00	.00	10.09	.00
Total Construction Cost	M.p.	12.53	14.03	2.34	6.76	26.04	1.51	19.17	8.17	17.70	22.25	4.01
Road Construction Cost/Impr't km	M.p.	2.41	2.38	1.17	1.93	2.77	.63	.98	.78	1.88	2.17	1.74
Total Construction Cost/Total km	M.p.	1.38	1.31	.48	1.93	3.21	.58	1.16	.74	1.67	3.32	.64

Quantity and Construction Cost CAVITE

	Unit	P28-2	P58-1	P50-1	P18-1	P42-1	P57-1	P104-1	P68-1	P77-1	P26-1	P53-1
Total Road Length	km	11.5	3.5	7.5	1.1	6.9	7.0	4.6	9.3	4.0	5.1	3.8
Improvement Length	km	11.5	2.9	7.5	1.1	6.7	7.0	4.6	9.2	4.0	5.1	3.4
Proposed Pavement Type		6.0-GRV 6.0-BMP	6.0-GRV	6.0-PCC 6.0-GRV	6.0-AC	6.0-GRV	6.0-GRV	4.0-GRV	6.0-GRV	6.0-GRV	6.0-BMP 5.1-Ovl	6.0-BMP
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	-	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	18577	4196	10435	1749	6163	4785	450	16624	4124	3675	11251
107 Borrow	m3	1796	600	2332	-	4944	1058	1389	2434	682	-	-
108 Aggregate Subbase	m3	12387	1914	5220	2096	4422	4620	2116	6072	2640	10291	5056
118-1 Preparation of Prev.Road(Grvl)	m2	84020	17700	39900	-	44220	46200	21160	60360	25360	51658	23800
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	4950	-	-	-	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	1220	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	5933	-	-	1485	-	-	-	-	-	5013	3478
300 Crushed Aggr. Surface Course	m3	5130	2610	5940	-	5850	6300	2760	8280	3600	-	-
302 Bituminous Prime Coat	M.T.	42	-	-	8	-	-	-	-	-	37	24
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	34800	-	-	-	-	-	-	-	-	29400	20400
310 Bitum.Concrete Surface Course	M.T.	-	-	-	726	-	-	-	-	-	134	-
314 Double Bitum.Surface Treatment	m2	-	-	-	-	-	-	-	-	-	-	-
315-1 PCC Pavement (t=23 cm)	m2	-	-	-	-	-	-	-	-	-	-	-
315-2 PCC Pavement (t=20 cm)	m2	-	-	1800	-	-	-	-	-	-	-	-
315-3 PCC Pavement (t=18 cm)	m2	-	-	-	-	1200	-	-	-	-	-	-
413-1 RCPC (dia.910mm)	m	345	90	211	30	315	210	72	285	120	150	105
413-2 Headwall for RCPC (dia.910mm)	Set	23	6	15	2	21	14	9	19	8	10	7
500 Grouted Riprap	m3	-	-	-	-	1554	-	-	284	-	-	-
517 Side Ditch (Grouted Riprap)	m	11600	1500	2100	-	700	6200	-	6200	2600	-	6800
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	-	-	20	-	-	-	-	20	-	-	5
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	-	-	4	-	-	-	-	2	-	-	2
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.	16.39	2.34	5.73	2.17	6.01	6.22	1.79	8.36	3.31	8.10	7.73
Bridge Construction Cost	M.p.	.00	.00	1.96	.00	.00	.00	.00	1.38	.00	.00	.78
Total Construction Cost	M.p.	16.39	2.34	7.68	2.17	6.01	6.22	1.79	9.74	3.31	8.10	8.51
Road Construction Cost/Impr't km	M.p.	1.43	.81	.76	1.98	.90	.89	.39	.91	.83	1.59	2.27
Total Construction Cost/Total km.	M.p.	1.43	.67	1.02	1.98	.87	.89	.39	1.05	.83	1.59	2.24

Quantity and Construction Cost CAVITE

	Unit	P59-1	P54-1	P32-1	N22-1	P60-1	P74-1	P75-1	P51-1	P71-1	P73-1	P101-1
Total Road Length	km	7.4	1.8	5.5	6.3	4.9	3.5	2.6	2.6	2.9	3.4	4.4
Improvement Length	km	2.0	1.8	5.5	6.3	4.7	2.9	2.4	2.6	.0	2.4	3.4
Proposed Pavement Type		6.0-PCC	6.0-GRV	5.0-GRV	6.0-BMP 6.0-PCC	6.0-BMP	6.0-GRV	4.0-GRV	6.0-BMP		4.0-GRV	4.0-BMP
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	-	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	1500	3377	7500	29234	9335	4705	150	9001	-	1800	6141
107 Borrow	m3	-	401	1620	-	3838	700	349	-	-	756	-
108 Aggregate Subbase	m3	4640	1188	3630	8557	6182	1914	1104	3284	-	1104	3616
118-1 Preparation of Prev.Road(Grvl)	m2	19200	11790	35000	23300	12100	18570	11040	-	-	11040	12000
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	6000	11350	-	-	10400	-	-	4200
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	-	-	3731	4808	-	-	2455	-	-	2458
300 Crushed Aggr. Surface Course	m3	-	1620	4950	-	-	2610	1440	-	-	1440	-
302 Bituminous Prime Coat	M.T.	-	-	-	26	34	-	-	17	-	-	16
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
305 Bituminous Macadam Pavement	m2	-	-	-	21800	28200	-	-	14400	-	-	13600
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	12000	-	-	1200	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	8400	-	-	-	1200	-	-	-
413-1 RCPC (dia.910mm)	m	60	60	165	174	135	90	40	75	-	40	56
413-2 Headwall for RCPC (dia.910mm)	Set	4	4	11	13	9	6	6	5	-	5	7
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	-	900	500	5400	6800	950	-	2000	-	-	6800
Slope Protection (Cut Slope)	m	-	-	-	20	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	10	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	16	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	8	10	-
2-lane Bridge,Abutment	Each	4	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	2	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.	4.70	1.50	3.65	12.45	9.59	2.20	.90	4.74	.00	1.03	5.96
Bridge Construction Cost	M.p.	1.80	.00	.00	.00	.00	.00	.00	.00	.65	.71	.00
Total Construction Cost	M.p.	6.49	1.50	3.65	12.45	9.59	2.20	.90	4.74	.65	1.74	5.96
Road Construction Cost/Impr't km	M.p.	2.35	.83	.66	1.98	2.04	.76	.37	1.82	.00	.43	1.75
Total Construction Cost/Total km	M.p.	.88	.83	.60	1.98	1.96	.63	.35	1.82	.22	.51	1.35

Quantity and Construction Cost CAVITE

	Unit	P62-1	P55-1	P66-1	P83-1	P64-1	P102-1	P146-2	P37-1	B119-2	B9-1	B9-3
Total Road Length	km	5.4	6.5	6.1	5.4	8.4	3.6	2.3	4.1	2.1	4.1	1.5
Improvement Length	km	5.4	6.2	6.1	4.6	8.0	3.6	2.3	3.5	2.1	4.1	1.5
Proposed Pavement Type		6.0-GRV	6.0-GRV 6.0-BMP	6.0-PCC 6.0-GRV	6.0-BMP	6.0-GRV	4.0-BMP	4.0-GRV	6.0-GRV	4.0-GRV	4.0-GRV	4.0-GRV
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	-	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	4050	33285	2492	7832	18101	5757	2175	3233	1435	3075	150
107 Borrow	m3	1701	644	13940	-	2654	-	635	936	736	1292	3073
108 Aggregate Subbase	m3	3564	4719	4752	7445	5280	4007	1058	2310	966	1886	690
118-1 Preparation of Prev.Road(Grvl)	m2	35640	26490	29740	40208	44310	7500	10340	23100	9420	18860	5470
118-2 Preparation of Prev.Road(Asph)	m2	-	7000	2700	-	-	8400	-	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	1330	-	4706	-	2458	-	-	-	-	-
300 Crushed Aggr. Surface Course	m3	4860	4410	4950	-	7200	-	1320	3150	1260	2460	900
302 Bituminous Prime Coat	M.T.	-	9	-	33	-	16	-	-	-	-	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	7800	-	27600	-	13600	-	-	-	-	-
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	-	-	3600	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	-	-	800	400	-	-	-	-
413-1 RCPC (dia.910mm)	m	165	180	180	135	240	56	40	105	32	54	24
413-2 Headwall for RCPC (dia.910mm)	Set	11	12	12	9	16	7	5	7	4	8	3
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	-	4600	500	4400	4350	3000	-	900	-	-	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	11	-	-	29	23	-	-	-	-	-	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	7
2-lane Bridge,Abutment	Each	2	-	-	6	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.	3.26	7.74	5.92	8.58	6.95	4.91	1.08	2.44	.89	1.75	.85
Bridge Construction Cost	M.p.	1.02	.00	.00	2.89	2.08	.00	.00	.00	.00	.00	.62
Total Construction Cost	M.p.	4.28	7.74	5.92	11.47	9.03	4.91	1.08	2.44	.89	1.75	1.47
Road Construction Cost/Impr't km	M.p.	.60	1.25	.97	1.87	.87	1.36	.47	.70	.43	.43	.57
Total Construction Cost/Total km	M.p.	.79	1.19	.97	2.12	1.07	1.36	.47	.59	.43	.43	.98

Quantity and Construction Cost CAVITE

	Unit	B19-13	B20-3	B16-4	B19-6	B121-1	B13-1	B111-1	B20-7	B21-6	B20-5	B1-8
Total Road Length	km	1.9	2.2	2.2	3.4	3.7	1.9	5.9	2.0	1.0	.8	1.5
Improvement Length	km	1.2	2.2	2.2	3.4	3.3	1.7	5.8	2.0	1.0	.8	.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
Quantity												
100 Clearing & Grubbing	m2	-	-	-	-	-	-	-	-	5000	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	500	-	-
105 Roadway & Drainage Excavation	m3	480	4125	-	2922	6188	919	9773	-	150	75	675
107 Borrow	m3	528	446	7343	992	833	357	760	593	1265	1378	284
108 Aggregate Subbase	m3	552	1012	1012	1564	1518	782	2576	920	460	368	414
118-1 Preparation of Prev.Road(Grvl)	m2	5520	7260	9100	14730	15180	7490	25100	9200	2300	3500	4140
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	720	1320	1320	2040	1980	1020	3360	1140	600	480	540
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	-	-	-
413-1 RCPC (dia.910mm)	m	16	32	32	56	56	24	88	32	24	16	16
413-2 Headwall for RCPC (dia.910mm)	Set	2	4	4	7	7	3	11	4	3	2	2
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.	.50	1.03	1.53	1.47	1.60	.68	2.59	.85	.53	.44	.39
Bridge Construction Cost	M.p.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total Construction Cost	M.p.	.50	1.03	1.53	1.47	1.60	.68	2.59	.85	.53	.44	.39
Road Construction Cost/Impr't km	M.p.	.42	.47	.70	.43	.49	.40	.46	.42	.53	.55	.43
Total Construction Cost/Total km	M.p.	.26	.47	.70	.43	.43	.36	.44	.42	.53	.55	.26

Quantity and Construction Cost CAVITE

	Unit	B21-3	B7-5	B1-1	B19-1	B14-1	B119-1	B15-7	B21-2	B13-4	B13-2	B13-3
Total Road Length	km	2.2	5.8	1.5	5.5	3.3	2.8	1.2	2.1	4.9	2.0	2.0
Improvement Length	km	2.2	5.8	1.5	5.5	2.7	2.8	1.2	2.1	4.5	2.0	1.5
Proposed Pavement Type		4.0-GRV	4.0-GRV	4.0-GRV	4.0-BMP 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	-	-	-	-	-	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	1200	5498	1125	3179	2025	2088	1095	1350	2588	1320	-
107 Borrow	m3	1543	2161	473	1285	1276	1426	331	1487	1140	228	531
108 Aggregate Subbase	m3	1012	2668	690	2589	1242	1288	552	966	2070	920	690
118-1 Preparation of Prev.Road(Grvl)	m2	10120	26680	6900	22540	12420	12880	5310	9660	20700	7920	6900
118-2 Preparation of Prev.Road(Asph)	m2	-	-	-	2400	-	-	-	-	-	-	-
118-3 Preparation of Pave.Surf.(PCC)	m2	-	-	-	-	-	-	-	-	-	-	-
118-4 Preparation of Pave.Surf.(AC)	m2	-	-	-	-	-	-	-	-	-	-	-
200 Crushed Aggregate Base Course	m3	-	-	-	434	-	-	-	-	-	-	-
300 Crushed Aggr. Surface Course	m3	1320	3480	900	2940	1620	1680	702	1260	2700	1080	900
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	-	-	-	-	-	-	120	-	-	800	-
413-1 RCPC (dia.910mm)	m	32	112	24	88	40	48	16	32	72	32	32
413-2 Headwall for RCPC (dia.910mm)	Set	4	14	3	11	5	6	2	4	9	4	4
500 Grouted Riprap	m3	-	517	-	-	-	-	-	-	-	-	189
517 Side Ditch (Grouted Riprap)	m	-	-	-	600	-	-	-	-	-	-	-
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.	1.00	2.93	.64	2.76	1.19	1.26	.54	.97	1.86	.95	.72
Bridge Construction Cost	M.p.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total Construction Cost	M.p.	1.00	2.93	.64	2.76	1.19	1.26	.54	.97	1.86	.95	.72
Road Construction Cost/Impr't km	M.p.	.45	.51	.43	.50	.44	.45	.45	.46	.41	.48	.48
Total Construction Cost/Total km	M.p.	.45	.51	.43	.50	.36	.45	.45	.46	.38	.48	.36

Quantity and Construction Cost CAVITE

	Unit	B19-15	B1-3	B1-6	B15-10	B7-6	B14-6	B19-16	B19-3	B115-1	B20-14	B7-1
Total Road Length	km	1.4	3.5	2.3	.7	10.6	4.0	.5	2.0	5.8	.7	5.0
Improvement Length	km	1.4	3.5	2.3	.3	10.6	4.0	.5	2.0	5.3	.7	5.0
Proposed Pavement Type		4.0-GRV	4.0-GRV	4.0-GRV	4.5-PCC	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	-	-	-	-	-	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	1388	6563	1725	489	7950	5025	339	1500	4739	408	9375
107 Borrow	m3	456	709	725	-	3339	1286	193	630	1161	110	450
108 Aggregate Subbase	m3	644	1610	1058	658	4876	1840	230	920	2438	322	2300
118-1 Preparation of Prev.Road(Grvl)	m2	5680	11550	10580	1500	48760	14370	1860	9200	24110	3220	20000
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	840	2100	1380	-	6120	2400	300	1080	2850	420	3000
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	-	-	-	1350	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	-	1600	-	-	800	2200	-	-
413-1 RCPC (dia.910mm)	m	24	56	40	8	168	64	8	32	88	8	80
413-2 Headwall for RCPC (dia.910mm)	Set	3	7	5	1	21	8	1	4	11	1	10
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	-	-	-	300	-	-	-	-	-	-	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	-	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	22	-	-	-
2-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	4	-	-	-
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.	.62	1.64	.99	.66	4.85	1.80	.21	1.01	2.69	.28	2.31
Bridge Construction Cost	M.p.	.00	.00	.00	.00	.00	.00	.00	1.65	.00	.00	.00
Total Construction Cost	M.p.	.62	1.64	.99	.66	4.85	1.80	.21	2.66	2.69	.28	2.31
Road Construction Cost/Impr't km	M.p.	.44	.47	.43	2.19	.46	.45	.43	.51	.51	.39	.46
Total Construction Cost/Total km	M.p.	.44	.47	.43	.94	.46	.45	.43	1.33	.41	.39	.45

Quantity and Construction Cost CAVITE

	Unit	B11-7	B11-2	B19-12	B121-2	B13-5	B20-12	B19-14	B9-4	B7-2	B19-8	B1-9
Total Road Length	km	2.9	1.3	1.9	4.2	4.2	.9	2.3	11.0	5.9	3.9	2.0
Improvement Length	km	2.9	1.3	1.2	4.2	4.2	.5	2.3	7.2	5.9	3.9	2.0
Proposed Pavement Type		4.0-GRV	4.0-GRV	6.0-PCC 6.0-BMP	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	-	-	-	-	-	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	2813	2438	2287	2625	3150	938	1158	5400	3975	2591	1500
107 Borrow	m3	599	117	-	1933	1491	101	530	2268	4735	1260	630
108 Aggregate Subbase	m3	1334	598	2227	1932	1932	230	1068	3312	2714	1794	920
118-1 Preparation of Prev.Road(Grvl)	m2	13340	3750	10414	19320	19320	1650	10580	33120	27140	17790	9200
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	-	-	818	-	-	-	-	-	-	-	-
300 Crushed Aggr. Surface Course	m3	1620	780	-	2520	2460	210	1380	4320	3192	2340	1200
302 Bituminous Prime Coat	M.T.	-	-	6	-	-	-	-	-	-	-	-
303 Bituminous Tack Coat	M.T.	-	-	-	-	-	-	-	-	-	-	-
306 Bituminous Macadam Pavement	m2	-	-	4800	-	-	-	-	-	-	-	-
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	-	-	2400	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	800	-	-	-	400	600	-	-	2320	-	-
413-1 RCPC (dia.910mm)	m	48	24	30	64	64	8	40	112	104	64	32
413-2 Headwall for RCPC (dia.910mm)	Set	6	3	2	8	8	1	5	14	13	8	4
500 Grouted Riprap	m3	-	-	-	-	95	-	-	-	478	-	-
517 Side Ditch (Grouted Riprap)	m	-	-	400	-	-	-	-	-	-	-	-
Slope Protection (Cut Slope)	m	-	-	-	-	-	-	-	-	-	-	-
Slope Protection (Embank't Sl)	m	-	-	-	-	2	-	-	-	-	-	-
2-lane Bridge,Superstructure	m	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Superstructure	m	8	-	-	-	-	-	-	-	-	8	-
2-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
1-lane Bridge,Abutment	Each	2	-	-	-	-	-	-	-	-	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.	1.40	.60	2.33	1.83	1.98	.35	.94	3.08	3.56	1.66	.86
Bridge Construction Cost	M.p.	.65	.00	.00	.00	.00	.00	.00	.00	.00	.65	.00
Total Construction Cost	M.p.	2.05	.60	2.33	1.83	1.98	.35	.94	3.08	3.56	2.30	.86
Road Construction Cost/Impr't km	M.p.	.48	.46	1.94	.44	.47	.70	.41	.43	.60	.42	.43
Total Construction Cost/Total km	M.p.	.71	.46	1.22	.44	.47	.39	.41	.28	.60	.59	.43

Quantity and Construction Cost CAVITE

	Unit	B0-4	B15-8	B15-5	B20-11	B106-1	B15-1	B2-1	B11-3	B0-3	B15-11	B20-9
Total Road Length	km	1.5	1.0	1.3	3.2	3.9	1.0	3.8	1.8	4.2	1.8	1.5
Improvement Length	km	1.5	1.0	.8	3.0	3.9	.9	3.8	1.8	4.1	1.8	1.5
Proposed Pavement Type		4.0-GRV	4.0-GRV	4.4-PCC	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	-	-	-	-	-	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	1125	1325	605	2250	3263	570	2850	2081	1575	1341	350
107 Borrow	m3	473	214	-	945	1151	250	1197	590	1301	500	269
108 Aggregate Subbase	m3	690	460	1552	1380	1794	414	1748	828	1885	828	690
118-1 Preparation of Prev.Road(Grvl)	m2	6900	3830	5800	13800	17460	4050	17480	6840	18860	7900	6900
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	900	600	-	1800	2340	540	2280	1080	2460	1080	780
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	-	-	3520	-	-	-	-	-	-	-	-
316-3 PCC Pavement (t=18 cm)	m2	-	-	-	-	-	-	-	-	-	-	800
413-1 RCPC (dia.910mm)	m	24	16	16	48	64	16	64	32	64	32	24
413-2 Headwall for RCPC (dia.910mm)	Set	3	2	2	6	8	2	8	4	8	4	3
500 Grouted Riprap	m3	-	-	-	-	-	-	-	-	-	-	-
517 Side Ditch (Grouted Riprap)	m	-	-	300	-	-	-	-	-	-	-	-
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.	.64	.44	1.54	1.28	1.68	.38	1.63	.81	1.67	.77	.74
Bridge Construction Cost	M.p.	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Total Construction Cost	M.p.	.64	.44	1.54	1.28	1.68	.38	1.63	.81	1.67	.77	.74
Road Construction Cost/Impr't km	M.p.	.43	.44	1.92	.43	.43	.42	.43	.45	.41	.43	.49
Total Construction Cost/Total km	M.p.	.43	.44	1.18	.40	.43	.38	.43	.45	.40	.43	.49

Quantity and Construction Cost CAVITE

	Unit	B0-2	B16-3	B20-13	B1-7	B0-1	B19-4	B12-1	B0-5	B14-5	B16-5	B20-1
Total Road Length	km	1.6	8.0	1.3	1.2	2.8	1.8	2.1	1.9	3.5	3.2	7.5
Improvement Length	km	1.6	8.0	1.0	1.2	2.4	1.8	1.8	1.9	3.5	3.2	7.5
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	-	-	-	-	-	-	-	-	-	-	-
102 Stripping	m3	-	-	-	-	-	-	-	-	-	-	-
105 Roadway & Drainage Excavation	m3	525	-	1125	900	975	1444	1350	975	2625	-	6750
107 Borrow	m3	467	20520	130	378	608	477	1017	543	1103	10958	2260
108 Aggregate Subbase	m3	736	3680	460	552	1104	828	828	874	1610	1472	3450
118-1 Preparation of Prev.Road(Grvl)	m2	7360	36800	4600	5520	11040	7640	8280	8740	16100	13250	34200
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	960	4800	540	720	1440	1080	1080	1032	2100	1920	4500
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	-	-	-	-	720	-	-	-
413-1 RCPC (dia.910mm)	m	24	128	16	16	40	32	32	32	56	48	120
413-2 Headwall for RCPC (dia.910mm)	Set	3	16	2	2	5	4	4	4	7	6	15
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	-	-	7	-	-	-	-	-	-	-	-
2-lane Bridge,Abutment	Each	-	-	-	-	-	-	-	-	-	-	-
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.	.64	4.98	.51	.51	.97	.77	.82	.93	1.50	2.26	3.26
Bridge Construction Cost	M.p.	.00	.00	.62	.00	.00	.00	.00	.00	.00	.00	.00
Total Construction Cost	M.p.	.64	4.98	1.12	.51	.97	.77	.82	.93	1.50	2.26	3.26
Road Construction Cost/Impr't km	M.p.	.40	.62	.51	.42	.40	.43	.46	.49	.43	.71	.43
Total Construction Cost/Total km	M.p.	.40	.62	.87	.42	.35	.43	.39	.49	.43	.71	.43

Quantity and Construction Cost CAVITE

	Unit	B20-15	B1-10	B20-2	B20-4	B11-6	B1-11
Total Road Length	km	2.3	3.5	2.7	.7	1.4	1.0
Improvement Length	km	2.3	3.5	2.7	.7	1.4	1.0
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	34500	-	-	-	16800	-
102 Stripping	m3	3450	-	-	-	1680	-
105 Roadway & Drainage Excavation	m3	5750	2625	5063	788	1400	750
107 Borrow	m3	955	1103	547	91	791	315
108 Aggregate Subbase	m3	1058	1610	1242	322	644	450
118-1 Preparation of Prev.Road(Grvl)	m2	-	16100	4510	3220	-	4600
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	1380	2100	1620	420	840	500
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	-	-	-	-	-	-
413-1 RCPC (dia.910mm)	m	72	56	40	8	48	16
413-2 Headwall for RCPC (dia.910mm)	Set	9	7	5	1	6	2
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.	1.47	1.50	1.23	.29	.78	.43
Bridge Construction Cost	M.p.	.00	.00	.00	.00	.00	.00
Total Construction Cost	M.p.	1.47	1.50	1.23	.29	.78	.43
Road Construction Cost/Impr't km	M.p.	.64	.43	.46	.42	.56	.43
Total Construction Cost/Total km	M.p.	.64	.43	.46	.42	.56	.43

APPENDIX 10-5

SUMMARY OF DEMOGRAPHIC AND AGRICULTURAL DATA (CAVITE)

Summary of Demographic and Agricultural Data CAVITE

Class of Road	Type of Impr't	Road Number	Road Length (km)	1988 Population Total	1988 Population /km	1988 Crop Area (ha) Total	Major Crop					1992 AADT w/o	1992 AADT with	IRR (%)
Minor (Nat'l/ Prov'l)	Rehab/ Imp-1	P35-1	6.3	11713	1859	111	111(Palay)					503	502	23.9
		P58-1	3.5	3080	880	276	110(Coffe)	83(Coco.)	83(Banan)			86	89	16.7
		P50-1	7.5	4289	572	533	147(Coco.)	147(Coffe)	129(Pine.)	110(Banan)		155	198	16.1
		P18-1	1.1	12957	11779	1	1(Palay)					452	470	16.1
		P104-1	4.6	1525	332	309	170(Coco.)	124(Banan)	15(Palay)			34	45	13.5
		P68-1	9.3	3331	358	2107	899(Banan)	747(Coco.)	329(Coffe)	110(Palay)	22(Pine.)	75	90	13.1
		P77-1	4.0	1345	335	824	460(Coffe)	364(Coco.)				41	48	12.1
		P54-1	1.8	1367	759	176	88(Banan)	88(Coffe)				36	45	9.5
		P32-1	5.5	1235	225	1055	422(Banan)	413(Coco.)	211(Palay)	9(Pine.)		39	51	9.4
		N22-1	6.3	5220	829	197	131(Banan)	66(Pine.)				156	217	8.1
		P75-1	2.6	518	238	200	111(Coffe)	89(Coco.)				25	25	6.6
		P74-1	3.5	787	225	817	454(Coffe)	272(Banan)	91(Coco.)			25	26	6.6
		P51-1	2.6	6480	2492	764	382(Coffe)	229(Banan)	153(Coco.)			249	267	6.6
		P71-1	2.9	7585	2616	23	23(Palay)					321	321	5.8
		P73-1	3.4	1212	355	391	313(Palay)	78(Corn)				31	34	5.3
		P101-1	4.4	5090	1157	642	285(Coffe)	214(Banan)	143(Coco.)			233	260	3.9
		P55-1	6.5	4733	728	612	272(Coffe)	204(Coco.)	136(Banan)			112	123	3.7
		P62-1	5.4	2245	416	378	210(Coffe)	168(Coco.)				62	70	3.7
		P65-1	6.1	1678	275	414	230(Coffe)	184(Coco.)				60	88	3.6
		P83-1	5.4	4156	770	961	308(Coffe)	242(Coco.)	212(Pine.)	199(Banan)		238	245	3.4
		P64-1	8.4	1709	203	844	422(Coco.)	375(Coffe)	47(Vege.)			54	62	2.5
		P102-1	3.6	1823	506	374	291(Coffe)	83(Banan)				82	91	.4
		P37-1	4.1	757	185	117	78(Palay)	39(Corn)				25	33	.0
		P146-2	2.3	314	137	189	76(Palay)	66(Corn)	47(Banan)			5	9	.0
Minor (Baran-gay)	Rehab/ Imp-1	B119-2	2.1	2399	1142	227	125(Coco.)	91(Banan)	11(Palay)			32	40	41.3
		B9-1	4.1	1589	388	505	450(Palay)	56(Corn)				64	77	35.2
		B9-3	1.5	1555	1037	122	122(Palay)					32	47	29.7
		B19-13	1.9	2524	1328	106	42(Coco.)	37(Banan)	27(Coffe)			48	78	27.7
		B20-3	2.2	570	259	285	246(Pine.)	39(Vege.)				31	43	23.2
		B16-4	2.2	1549	704	463	463(Palay)					30	59	21.5
		B19-6	3.4	1726	508	327	163(Coco.)	131(Banan)	33(Palay)			24	30	21.0
		B121-1	3.7	1808	489	683	683(Palay)					75	78	20.7
		B13-1	1.9	1383	728	530	245(Banan)	218(Coco.)	54(Palay)	13(Vege.)		45	59	19.6
		B111-1	5.9	3047	516	586	309(Coffe)	277(Banan)				77	91	19.1
		B20-7	2.0	702	351	78	57(Pine.)	21(Vege.)				20	35	18.9
		B21-6	1.0	1456	1456	128	128(Palay)					0	27	18.0
		B20-5	.8	802	1002	42	30(Pine.)	12(Vege.)				21	40	17.2
		B1-8	1.5	468	312	116	65(Coffe)	51(Coco.)				24	30	16.8
		B21-3	2.2	2048	931	305	305(Palay)					48	57	16.8
		B7-5	5.8	1360	234	718	303(Coco.)	264(Banan)	113(Coffe)	38(Vege.)		52	78	16.7
		B1-1	1.5	1574	1049	110	60(Coco.)	40(Coffe)	10(Vege.)			39	49	16.6
		B19-1	5.5	1572	286	623	378(Banan)	189(Pine.)	56(Vege.)			57	64	16.3
		B14-1	3.3	2055	623	615	568(Palay)	47(Corn)				56	63	16.2
		B119-1	2.8	978	349	351	141(Coco.)	106(Banan)	104(Coffe)			14	24	15.9
		B15-7	1.2	1030	858	177	101(Coffe)	76(Banan)				25	44	15.3
		B21-2	2.1	865	412	219	219(Palay)					15	18	14.7
		B13-4	4.9	1549	316	814	365(Banan)	285(Coco.)	163(Palay)			31	34	14.6
		B13-2	2.0	927	464	314	129(Coco.)	113(Banan)	64(Palay)	8(Vege.)		19	32	14.3
		B13-3	2.0	1042	521	213	88(Coco.)	76(Banan)	44(Palay)	5(Vege.)		27	30	13.5
		B19-15	1.4	444	317	143	143(Coffe)					12	20	13.3

Summary of Demographic and Agricultural Data CAVITE

Class of Road	Type of Impr't	Road Number	Road Length (km)	1988 Population Total	1988 Population /km	1988 Crop Area (ha) Total	Major Crop				1992 AADT w/o	1992 AADT with	IRR (%)
Minor (Baran-gay)	Rehab/Imp-1	B1-3	3.5	1057	302	217	115(Coffe)	102(Coco.)			23	33	13.3
		B1-6	2.3	866	377	147	77(Coffe)	70(Coco.)			19	27	12.9
		B15-10	.7	2089	2984	150	150(Coffe)				70	72	12.5
		B7-6	10.6	1571	148	675	338(Coco.)	304(Banan)	33(Coffe)		20	33	11.4
		B14-6	4.0	1375	344	384	213(Coco.)	128(Palay)	43(Corn)		24	34	10.8
		B19-16	.5	221	442	153	67(Coffe)	47(Pine.)	39(Banan)		9	13	9.9
		B19-3	2.0	674	337	137	78(Coco.)	39(Palay)	20(Vege.)		28	38	9.6
		B115-1	6.6	4216	639	478	478(Coffe)				98	108	9.4
		B20-14	.7	385	550	73	37(Coffe)	36(Banan)			9	13	9.4
		B7-1	5.0	671	134	338	142(Banan)	125(Coco.)	71(Coffe)		24	35	9.1
		B11-7	2.9	1229	424	190	106(Coffe)	84(Coco.)			29	36	9.1
		B11-2	1.3	257	198	126	56(Banan)	42(Coffe)	28(Corn)		7	9	8.4
		B19-12	1.9	2997	1577	4	4(Coco.)				109	158	7.8
		B121-2	4.2	522	124	205	171(Palay)	34(Vege.)			25	31	7.4
		B13-5	4.2	367	87	770	475(Banan)	237(Coco.)	53(Palay)	5(Vege.)	18	23	7.3
		B20-12	.9	532	591	91	65(Coffe)	26(Banan)			22	23	7.2
		B19-14	2.3	980	426	130	58(Coco.)	43(Coffe)	29(Pine.)		47	52	7.2
		B9-4	11.0	1193	108	802	370(Coffe)	247(Palay)	185(Corn)		55	55	5.8
		B7-2	5.9	854	145	456	182(Banan)	137(Coco.)	91(Coffe)	46(Palay)	36	48	5.3
		B19-8	3.9	1556	399	459	204(Coco.)	153(Coffe)	102(Pine.)		71	80	6.2
		B1-9	2.0	277	139	63	40(Coco.)	23(Coffe)			4	9	6.1
		B0-4	1.5	984	656	47	47(Banan)				16	34	6.0
		B15-8	1.0	276	276	78	55(Coffe)	23(Banan)			4	5	5.7
		B15-5	1.3	1246	958	65	65(Coffe)				46	55	5.7
		B20-11	3.2	737	230	405	225(Coffe)	135(Banan)	45(Pine.)		24	28	5.4
		B106-1	3.9	864	222	375	281(Palay)	94(Vege.)			35	39	5.3
		B15-1	1.0	688	688	20	20(Coffe)				11	13	5.0
		B2-1	3.8	339	89	157	141(Coffe)	16(Pine.)			15	19	4.7
		B11-3	1.8	538	299	117	52(Banan)	39(Coffe)	26(Corn)		9	18	4.3
		B0-3	4.2	1004	239	197	113(Banan)	56(Coco.)	28(Corn)		20	39	4.2
		B15-11	1.8	498	277	98	98(Coffe)				6	8	3.7
		B20-9	1.5	501	334	176	141(Coffe)	35(Banan)			16	18	3.6
		B0-2	1.6	852	532	133	95(Banan)	38(Corn)			44	51	1.8
		B16-3	8.0	916	115	554	554(Palay)				60	65	1.5
		B20-13	1.3	683	525	105	67(Coffe)	38(Banan)			21	24	1.3
		B1-7	1.2	347	289	70	44(Coco.)	26(Coffe)			8	18	1.0
		B0-1	2.8	193	69	5	5(Palay)				6	7	.0
		B0-5	1.9	553	291	75	43(Banan)	21(Coco.)	11(Corn)		21	20	.0
		B19-4	1.8	708	393	30	30(Coffe)				24	30	.0
		B14-5	3.5	585	167	294	132(Coco.)	118(Palay)	44(Corn)		22	23	.0
		B16-5	3.2	394	123	362	362(Palay)				11	13	.0
		B12-1	2.1	1383	659	168	163(Palay)	5(Vege.)			33	39	.0
	New Const.	B20-1	7.5	681	91	200	86(Banan)	86(Pine.)	28(Vege.)		0	11	19.6
		B20-15	2.3	334	145	185	185(Pine.)				0	11	19.0
		B1-10	3.5	370	106	243	135(Coco.)	108(Coffe)			3	7	9.7
		B20-2	2.7	239	89	111	73(Banan)	24(Vege.)	14(Pine.)		0	5	8.8
		B20-4	.7	246	351	56	32(Coffe)	24(Banan)			0	3	7.9
		B11-6	1.4	343	245	89	53(Coffe)	36(Coco.)			0	2	4.6
		B1-11	1.0	139	139	62	38(Coco.)	24(Coffe)			1	2	2.4

APPENDIX 10-6

SUMMARY OF ECONOMIC EVALUATION (CAVITE)

Summary of Economic Analysis CAVITE

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	Benefit (Mp/km) Diver-ted	Benefit (Mp/km) Gene-rated	Benefit (Mp/km) Deve-lop't	Benefit (Mp/km) Maint sav'g	Benefit (Mp/km) Total	Econom.Indicator NPV (Mp)	Econom.Indicator B/C	Econom.Indicator IRR (%)
Primary Major	Rehab/ Imp-1	N9-5	965	832	8.5	8.5(6.0-Ovl)	.96	.17	1.13	4.87	-	-	-	.10	4.97	32.6	4.4	60.8
		P63-1	900	833	7.4	6.4(6.7-AC)	1.97	.17	2.14	8.62	-	-	-	.09	8.72	42.1	4.1	52.5
		N19-1	1045	1026	12.5	5.0(6.7-PCC)	2.23	.04	2.27	8.17	-	-	-	.12	8.30	30.1	3.7	45.4
		P27-1	254	457	5.1	-	3.79	-	3.79	4.14	-	.70	-	-	4.84	1.0	1.3	18.5
		P146-1	0	176	10.7	10.7(6.0-BMP)	1.60	.13	1.73	-	1.10	.85	-	-.08	1.87	1.5	1.1	16.4
Second'y Major	Rehab/ Imp-1	N8-2	837	980	9.3	8.6(6.0-AC)	2.29	.26	2.55	12.30	-	2.04	-	-.01	14.33	101.3	5.6	69.9
		P19-4	648	527	9.3	8.6(6.0-Ovl)	.96	.10	1.06	5.64	-	-	-	.08	5.72	40.1	5.4	69.7
		P19-1	1098	1118	12.0	8.0(6.0-PCC)	2.14	.06	2.20	7.43	-	-	-	.12	7.55	42.8	3.4	42.3
		P2-1	341	1041	8.1	8.1(6.0-PCC)	1.93	.05	1.98	2.00	2.93	.08	-	.04	5.06	25.0	2.6	32.7
		N13-3	809	812	4.5	4.5(6.0-AC)	3.52	.17	3.69	8.26	-	.01	-	.09	8.37	21.0	2.3	30.2
		N8-1	820	552	13.8	8.0(6.0-AC)	1.50	.10	1.60	3.41	-	-	-	.09	3.50	26.2	2.2	29.8
						5.8(5.5-Ovl)												
		N13-2	828	1527	8.3	8.3(6.0-PCC)	2.10	.10	2.20	4.64	-	.06	-	.11	4.82	21.7	2.2	29.4
		P66-1	716	696	5.2	2.1(6.0-AC)	3.06	.12	3.18	6.71	-	-	-	.08	6.79	7.6	2.1	29.2
		P30-1	254	224	16.7	9.8(6.0-BMP)	1.52	.29	1.80	3.48	-	.02	-	-.01	3.48	16.4	1.9	27.8
		P56-1	641	567	9.6	2.0(6.1-PCC)	5.44	-	5.44	9.72	-	-	-	.01	9.73	8.6	1.8	24.6
		P47-1	127	949	4.2	2.3(6.0-AC)	3.09	.19	3.28	1.15	4.17	-	-	.03	5.35	5.6	1.6	23.3
						.4(6.0-PCC)												
		P27-2	246	350	11.1	6.0(6.0-BMP)	2.33	.50	2.84	3.01	.80	.29	-	.08	4.18	8.1	1.5	22.0
		N9-4	487	428	17.9	16.4(6.0-AC)	1.71	.05	1.76	2.55	-	-	-	.05	2.60	13.9	1.5	21.3
		P45-1	24	444	9.5	8.3(6.0-AC)	2.70	.06	2.76	.27	1.84	.81	-	-.07	2.85	.8	1.0	15.5
						.5(6.1-Ovl)												
		P47-2	108	763	5.7	.2(6.0-PCC)	3.63	.14	3.77	1.14	1.95	.60	-	.06	3.74	-.1	1.0	15.0
						5.3(6.0-AC)												
		N21-1	313	380	11.2	10.8(6.0-BMP)	2.13	.56	2.69	.79	-	.23	-	.06	1.08	-17.4	.4	1.8
	Imp-2/ Widen	P12-1	0	1218	5.5	5.1(6.0-PCC)	1.37	.06	1.43	-	2.34	.05	-	-.05	2.35	4.7	1.7	23.6

Summary of Economic Analysis CAVITE

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	Benefit (Mp/km) Diver-ted	Benefit (Mp/km) Gene-rated	Benefit (Mp/km) Deve-lop't	Benefit (Mp/km) Maint sav'g	Benefit (Mp/km) Total	Econom. Indicator NPV (Mp)	B/C	IRR (%)
Minor (Nat'l/ Prov'l)	Rehab/ Imp-1	P84-1	2249	2252	9.1	4.7(6.0-PCC)	2.22	.19	2.40	16.01	-	.01	-	.13	16.15	54.6	6.7	77.7
		P7-3	1311	1312	10.7	5.9(6.1-PCC)	1.98	.08	2.06	13.31	-	.01	-	.12	13.44	67.1	6.5	72.7
		N18-2	873	872	4.9	2.0(6.0-Ovl)	.97	.18	1.15	3.78	-	.00	-	-.04	3.74	5.2	3.2	45.3
		P34-1	702	700	3.5	3.1(6.0-AC)	1.61	.13	1.74	5.41	-	-	-	.07	5.48	13.1	3.2	39.1
						.4(6.0-PCC)												
		P44-1	492	522	8.1	8.1(6.0-AC)	2.67	.08	2.75	5.32	.01	.34	-	.11	5.77	24.4	2.1	28.2
		P28-1	0	74	2.6	2.4(6.0-GRV)	.52	.24	.77	-	.65	.66	-	-.03	1.28	1.2	1.7	26.6
		P29-1	145	170	16.6	16.6(6.0-GRV)	.96	.33	1.29	1.93	-	.23	-	.08	2.23	15.7	1.7	26.6
		P20-1	94	153	11.0	3.6(4.5-Ovl)	.65	.22	.86	.99	.05	.46	-	-.05	1.45	6.1	1.7	25.4
						6.9(5.0-GRV)												
		P103-1	224	216	10.6	9.4(6.0-BMP)	1.57	.29	1.86	3.17	-	.06	-	-.04	3.20	12.6	1.7	24.8
		P25-1	397	415	6.7	5.6(6.0-AC)	3.30	.05	3.35	5.33	-	.32	-	.08	5.73	13.3	1.7	24.1
		P35-1	503	502	6.3	2.3(4.0-PCC)	1.45	-	1.45	2.39	-	.11	.00	.01	2.51	2.4	1.7	23.9
		P28-2	172	201	11.5	5.7(6.0-GRV)	1.19	.29	1.48	2.07	.18	.04	-	-.02	2.27	9.2	1.5	23.4
						5.8(5.0-BMP)												
		P58-1	86	89	3.5	2.9(5.0-GRV)	.67	.22	.89	.74	-	.08	.10	.04	.96	.2	1.1	16.7
		P50-1	166	198	7.5	.9(6.0-PCC)	.85	.34	1.19	.81	-	.25	.25	-.05	1.26	.5	1.1	16.1
						6.6(6.0-GRV)												
		P18-1	452	470	1.1	1.1(6.0-AC)	1.64	.07	1.71	1.70	-	.09	.00	.05	1.84	.1	1.1	15.1
		P42-1	110	147	6.9	6.7(5.0-GRV)	.75	.27	1.02	.72	.15	-	-	.08	.95	-.4	.9	14.0
		P57-1	106	105	7.0	7.0(6.0-GRV)	.74	.23	.97	.79	-	.02	-	.10	.91	-.4	.9	13.9
		P104-1	34	45	4.6	4.6(4.0-GRV)	.32	.12	.44	.27	-	.10	.03	.00	.40	-.2	.9	13.5
		P68-1	75	90	9.3	9.2(6.0-GRV)	.88	.23	1.11	.44	-	.15	.39	-.01	.95	-1.4	.9	13.1
		P77-1	41	48	4.0	4.0(6.0-GRV)	.69	.18	.86	.29	-	.08	.32	.01	.69	-.7	.8	12.1
		P26-1	287	275	6.1	4.9(6.0-BMP)	1.32	.30	1.62	1.25	-	-	-	.09	1.34	-1.4	.8	12.0
						.2(6.1-Ovl)												
		P53-1	96	236	3.8	3.4(6.0-BMP)	2.08	.31	2.39	1.05	.10	.55	-	.05	1.75	-2.1	.7	10.7
		P59-1	227	233	7.4	2.0(6.0-PCC)	2.70	-	2.70	1.66	-	.02	-	.11	1.80	-1.8	.7	10.2
		P54-1	36	45	1.8	1.8(6.0-GRV)	.69	.18	.87	.34	-	.12	.13	.00	.59	-.5	.7	9.5
		P32-1	39	51	5.5	5.5(6.0-GRV)	.55	.18	.73	.32	-	.09	.10	.00	.51	-1.2	.7	9.4
		N22-1	166	217	6.3	5.7(6.0-BMP)	1.64	.28	1.92	.92	-	.14	.09	-.05	1.10	-5.2	.6	8.1
						.6(6.0-PCC)												
		P60-1	208	222	4.9	4.7(6.0-BMP)	1.70	.29	1.99	.99	-	.10	-	.02	1.11	-4.1	.6	7.3
		P75-1	25	25	2.6	2.4(4.0-GRV)	.31	.10	.41	.09	-	.01	.10	.02	.21	-.5	.5	6.6
		P74-1	25	26	3.5	2.9(6.0-GRV)	.63	.15	.78	.24	-	.02	.11	.02	.39	-1.1	.5	6.6
		P51-1	249	267	2.5	2.6(6.0-BMP)	1.52	.38	1.89	.50	-	.06	.37	-.01	.92	-2.5	.5	6.6
		P71-1	321	321	2.9	-	.54	-	.54	.22	-	.00	.00	-	.22	-.3	.4	5.8
		P73-1	31	34	3.4	2.4(4.0-GRV)	.60	.10	.71	.22	-	.04	.05	.00	.32	-.9	.5	5.3
		P101-1	233	260	4.4	3.4(4.0-BMP)	1.46	.38	1.83	.44	-	.08	.24	-.05	.71	-3.8	.4	3.9
		P55-1	112	123	6.5	4.9(6.0-GRV)	1.04	.23	1.27	.36	-	.07	.11	.00	.54	-4.5	.4	3.7
						1.3(6.0-BMP)												
		P62-1	62	70	5.4	5.4(6.0-GRV)	.66	.21	.86	.13	-	.03	.13	.06	.34	-2.8	.4	3.7
		P65-1	60	88	6.1	.6(6.0-PCC)	.81	.22	1.03	.22	-	.09	.13	-.02	.42	-3.7	.4	3.5
						5.5(6.0-GRV)												
		P83-1	238	245	5.4	4.6(6.0-BMP)	2.07	.31	2.39	.72	-	.05	.08	.06	.92	-6.7	.4	3.4
		P64-1	54	62	8.4	8.0(5.0-GRV)	.94	.19	1.12	.21	-	.05	.11	.01	.39	-5.9	.3	2.5
		P102-1	82	91	3.6	3.6(4.0-BMP)	1.13	.13	1.26	.17	-	.03	.08	.01	.29	-3.5	.2	.4
		P37-1	25	33	4.1	3.5(6.0-GRV)	.58	.15	.73	.12	-	.01	.01	.01	.15	-2.0	.2	.0
		P146-2	5	9	2.3	2.3(4.0-GRV)	.39	.10	.49	.04	-	.01	.05	.01	.10	-.9	.2	.0

Summary of Economic Analysis CAVITE

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	Benefit (Mp/km) Diver-ted	Benefit (Mp/km) Gene-rated	Benefit (Mp/km) Deve-lop't	Benefit (Mp/km) Maint sav'g	Benefit (Mp/km) Total	Econom. Indicator NPV (Mp)	Econom. Indicator B/C	Econom. Indicator IRR (%)
Minor (Barangay)	Rehab/Imp-1	B119-2	32	40	2.1	2.1(4.0-GRV)	.35	.11	.47	.91	-	.35	.05	.00	1.31	1.8	2.8	41.3
		B9-1	64	77	4.1	4.1(4.0-GRV)	.36	.15	.50	.77	-	.27	.11	-.01	1.14	2.6	2.3	35.2
		B9-3	32	47	1.5	1.5(4.0-GRV)	.81	.12	.93	1.32	-	.56	.12	.00	2.00	1.6	2.1	29.7
		B19-13	48	78	1.9	1.2(4.0-GRV)	.35	.14	.49	.68	-	.11	.08	-.01	.86	.4	1.8	27.7
		B20-3	31	43	2.2	2.2(4.0-GRV)	.39	.11	.50	.56	-	.07	.11	.02	.76	.6	1.5	23.2
		B15-4	30	59	2.2	2.2(4.0-GRV)	.58	.12	.70	.78	-	.20	.00	.00	.98	.5	1.4	21.5
		B19-6	24	30	3.4	3.4(4.0-GRV)	.36	.10	.46	.43	-	.16	.04	.00	.64	.5	1.4	21.0
		B121-1	76	78	3.7	3.3(4.0-GRV)	.40	.14	.54	.45	-	.06	.12	.09	.72	.5	1.3	20.7
		B13-1	45	59	1.9	1.7(4.0-GRV)	.33	.12	.46	.38	-	.06	.12	.01	.58	.2	1.3	19.6
		B111-1	77	91	5.9	5.6(4.0-GRV)	.38	.16	.54	.42	-	.13	.13	-.01	.67	.7	1.2	19.1
		B20-7	20	36	2.0	2.0(4.0-GRV)	.35	.11	.47	.35	-	.13	.10	.00	.58	.2	1.2	18.9
		B21-5	0	27	1.0	1.0(4.0-GRV)	.44	.10	.54	.38	-	.15	.13	-.02	.65	.1	1.2	18.0
		B20-5	21	40	.8	.8(4.0-GRV)	.45	.11	.57	.39	-	.15	.11	.00	.65	.1	1.1	17.2
		B1-8	24	30	1.5	.9(4.0-GRV)	.35	.10	.46	.24	-	.04	.25	.00	.52	.1	1.1	16.8
		B21-3	48	57	2.2	2.2(4.0-GRV)	.38	.12	.50	.32	-	.11	.12	.00	.55	.1	1.1	16.8
		B7-5	62	76	5.8	5.8(4.0-GRV)	.42	.15	.57	.39	-	.12	.12	-.01	.62	.3	1.1	16.7
		B1-1	39	49	1.5	1.5(4.0-GRV)	.36	.12	.48	.28	-	.11	.13	.00	.52	.1	1.1	16.6
		B19-1	57	64	5.5	.6(4.0-BMP)	.42	.13	.54	.39	-	.07	.12	.00	.58	.2	1.1	16.3
						4.9(4.0-GRV)												
		B14-1	56	63	3.3	2.7(4.0-GRV)	.37	.12	.49	.28	-	.01	.15	.08	.52	.1	1.1	16.2
		B119-1	14	24	2.8	2.8(4.0-GRV)	.37	.10	.48	.28	-	.10	.12	.00	.50	.1	1.1	15.9
		B15-7	25	44	1.2	1.2(4.0-GRV)	.37	.11	.49	.26	-	.10	.14	.00	.49	.0	1.0	15.3
		B21-2	16	18	2.1	2.1(4.0-GRV)	.38	.10	.48	.27	-	.09	.10	.01	.47	.0	1.0	14.7
		B13-4	31	34	4.9	4.5(4.0-GRV)	.34	.10	.45	.26	-	.07	.10	.00	.43	-.1	1.0	14.6
		B13-2	19	32	2.0	2.0(4.0-GRV)	.40	.11	.51	.28	-	.11	.09	.00	.48	-.1	.9	14.3
		B13-3	27	30	2.0	1.5(4.0-GRV)	.40	.10	.50	.30	-	.06	.08	.01	.45	-.1	.9	13.6
		B19-15	12	20	1.4	1.4(4.0-GRV)	.37	.10	.47	.14	-	.05	.21	.00	.40	-.1	.9	13.3
		B1-3	23	33	3.5	3.5(4.0-GRV)	.39	.11	.50	.24	-	.09	.11	.00	.44	-.2	.9	13.3
		B1-6	19	27	2.3	2.3(4.0-GRV)	.36	.10	.46	.20	-	.08	.12	.00	.39	-.2	.9	12.9
		B15-10	70	72	.7	.3(4.5-PCC)	1.82	-	1.82	1.28	-	.11	.13	-.05	1.46	-.1	.8	12.5
		B7-6	20	33	10.5	10.6(4.0-GRV)	.38	.11	.49	.14	-	.06	.17	.00	.37	-1.2	.8	11.4
		B14-6	24	34	4.0	4.0(4.0-GRV)	.37	.11	.49	.23	-	.08	.05	.01	.37	-.5	.8	10.8
		B19-16	9	13	.5	.5(4.0-GRV)	.35	.10	.45	.16	-	.04	.11	.01	.31	-.1	.7	9.9
		B19-3	28	38	2.0	2.0(4.0-GRV)	1.10	.11	1.22	.57	-	.12	.08	.01	.77	-.9	.6	9.5
		B115-1	98	108	5.5	5.3(4.0-GRV)	.42	.16	.58	.17	-	.03	.17	.01	.39	-1.0	.7	9.4
		B20-14	9	13	.7	.7(4.0-GRV)	.33	.10	.43	.20	-	.01	.06	.01	.28	-.1	.7	9.4
		B7-1	24	35	5.0	5.0(4.0-GRV)	.38	.10	.49	.13	-	.04	.13	.01	.31	-.9	.6	9.1
		B11-7	29	36	2.9	2.9(4.0-GRV)	.59	.11	.70	.26	-	.10	.08	.00	.44	-.7	.6	9.1
		B11-2	7	9	1.3	1.3(4.0-GRV)	.38	.10	.48	.13	-	.04	.11	.01	.29	-.3	.6	8.4
		B19-12	109	158	1.9	.4(6.0-PCC)	1.61	.13	1.74	.85	-	.12	.00	-.01	.96	-.9	.5	7.8
						.8(6.0-BMP)												
		B121-2	25	31	4.2	4.2(4.0-GRV)	.36	.10	.47	.13	-	.04	.08	.00	.26	-.9	.6	7.4
		B13-5	18	23	4.2	4.2(4.0-GRV)	.39	.10	.49	.13	-	.02	.12	.00	.28	-.9	.5	7.3
		B20-12	22	23	.9	.5(4.0-GRV)	.59	.10	.69	.17	-	.01	.13	.02	.33	-.2	.5	7.2
		B19-14	47	52	2.3	2.3(4.0-GRV)	.34	.12	.46	.12	-	.02	.09	.03	.26	-.5	.5	7.2
		B9-4	55	55	11.0	7.2(4.0-GRV)	.36	.11	.47	.05	-	.00	.13	.06	.25	-1.6	.5	6.8
		B7-2	36	48	5.9	5.9(4.0-GRV)	.50	.11	.62	.22	-	.04	.06	.00	.33	-1.7	.5	6.3
		B19-8	71	80	3.9	3.9(4.0-GRV)	.49	.14	.64	.16	-	.03	.12	.02	.33	-1.2	.5	6.2
		B1-9	4	9	2.0	2.0(4.0-GRV)	.36	.10	.46	.14	-	.05	.04	.01	.24	-.4	.5	6.1
		B0-4	16	34	1.5	1.5(4.0-GRV)	.35	.11	.46	.18	-	.04	.03	.00	.25	-.3	.5	6.0

Summary of Economic Analysis CAVITE

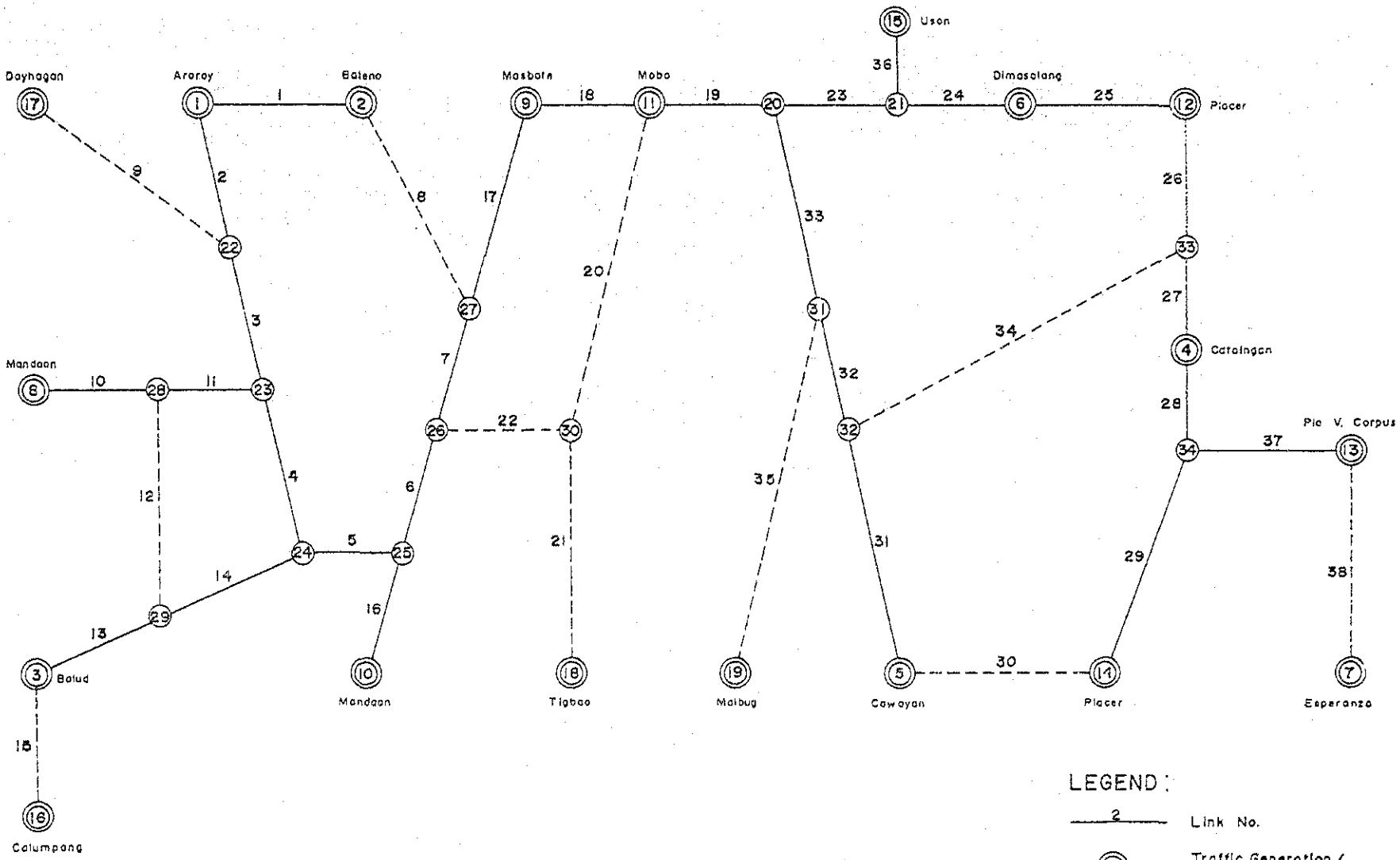
Cost/Benefit:1990-2016 Discounted Total

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	Benefit (Mp/Km) Diver-ted	Benefit (Mp/Km) Gene-rated	Benefit (Mp/Km) Deve-lop't	Benefit (Mp/Km) Maint sav'g	Benefit (Mp/Km) Total	Econom.Indicator NPV (Mp)	Econom.Indicator B/C	Econom.Indicator IRR (%)
Minor (Baran-gay)	Rehab/ Imp-1	B15-8	4	5	1.0	1.0(4.0-GRV)	.37	.10	.47	.06	-	.02	.11	.01	.21	-.3	.4	5.7
		B15-5	46	56	1.3	.8(4.4-PCC)	1.60	-	1.60	.50	-	.01	.10	-.01	.61	-.8	.4	5.7
		B20-11	24	28	3.2	3.0(4.0-GRV)	.36	.10	.46	.05	-	.01	.11	.00	.18	-.8	.4	5.4
		B106-1	35	39	3.9	3.9(4.0-GRV)	.35	.11	.47	.13	-	.02	.07	.02	.23	-.9	.5	5.3
		B15-1	11	13	1.0	.9(4.0-GRV)	.35	.10	.45	.10	-	.02	.07	.01	.20	-.2	.4	5.0
		B2-1	15	19	3.8	3.8(4.0-GRV)	.36	.10	.46	.06	-	.02	.10	.00	.18	-1.0	.4	4.7
		B11-3	9	18	1.8	1.8(4.0-GRV)	.37	.10	.47	.09	-	.03	.07	.00	.20	-.5	.4	4.3
		B0-3	20	39	4.2	4.1(4.0-GRV)	.34	.11	.45	.15	-	.02	.03	.01	.22	-1.0	.5	4.2
		B15-11	6	8	1.8	1.8(4.0-GRV)	.35	.10	.45	.04	-	.01	.10	.01	.16	-.5	.4	3.7
		B20-9	16	18	1.5	1.5(4.0-GRV)	.41	.10	.51	.05	-	.01	.10	.01	.16	-.5	.3	3.6
		B0-2	44	51	1.6	1.6(4.0-GRV)	.33	.12	.45	.10	-	.02	.05	.01	.19	-.4	.4	1.8
		B16-3	50	65	8.0	8.0(4.0-GRV)	.52	.12	.64	.17	-	.02	.00	.06	.26	-3.0	.4	1.5
		B20-13	21	24	1.3	1.0(4.0-GRV)	.93	.10	1.04	.15	-	.03	.07	.00	.26	-.8	.3	1.3
		B1-7	8	18	1.2	1.2(4.0-GRV)	.35	.10	.45	.04	-	.01	.08	.00	.13	-.4	.3	1.0
		B0-1	5	7	2.8	2.4(4.0-GRV)	.34	.10	.44	.02	-	.00	.00	.01	.03	-1.0	.1	.0
		B0-5	21	20	1.9	1.9(4.0-GRV)	.41	.10	.51	.10	-	.02	.03	.01	.16	-.6	.3	.0
		B19-4	24	30	1.8	1.8(4.0-GRV)	.35	.11	.46	.06	-	.02	.03	.00	.12	-.5	.3	.0
		B14-5	22	23	3.5	3.5(4.0-GRV)	.36	.10	.46	.04	-	.01	.04	.02	.11	-1.2	.2	.0
		B16-5	11	13	3.2	3.2(4.0-GRV)	.59	.10	.69	.09	-	.01	.00	.01	.11	-1.8	.2	.0
		B12-1	33	39	2.1	1.8(4.0-GRV)	.38	.11	.49	.12	-	.03	.02	.00	.17	-.5	.4	.0
	New Const.	B20-1	0	11	7.5	7.5(4.0-GRV)	.36	.10	.46	.38	-	.11	.09	.01	.59	1.0	1.3	19.5
		B20-15	0	11	2.3	2.3(4.0-GRV)	.53	.10	.63	.38	-	.06	.45	-.02	.86	.5	1.4	19.0
		B1-10	3	7	3.5	3.5(4.0-GRV)	.36	.10	.46	.11	-	.07	.11	.01	.30	-.6	.7	9.7
		B20-2	0	5	2.7	2.7(4.0-GRV)	.38	.10	.48	.15	-	.05	.08	.01	.30	-.5	.6	8.8
		B20-4	0	3	.7	.7(4.0-GRV)	.35	.10	.45	.12	-	.08	.05	.01	.26	-.1	.6	7.9
		B11-6	0	2	1.4	1.4(4.0-GRV)	.46	.10	.56	.05	-	.03	.13	-.02	.20	-.5	.4	4.6
		B1-11	1	2	1.0	1.0(4.0-GRV)	.36	.10	.46	.03	-	.02	.09	.01	.15	-.3	.3	2.4

APPENDICES FOR CHAPTER 11

APPENDIX 11-1

RESULTS OF TRAFFIC PROJECTION FOR MAJOR ROADS (MASBATE)



LINK / NODE SYSTEM
— PROVINCE OF MASBATE —

TRAFFIC PROJECTION MASBATE

Movement of Passengers and Commodity

Link	Year	Number of Passengers: Normal	Diverted-1	Diverted-2	Generated	Total	Commodity Tonnage: Normal	Diverted-1	Diverted-2	Generated	Total
	1988	189				189	15.32				15.32
	1992	237	36	-	160	434	18.44	60.92	.01	6.11	85.49
1	1996	296	45	-	595	935	22.07	72.90	.01	21.74	116.72
	2006	496	75	-	977	1548	33.45	110.47	.01	32.43	176.35
	2016	793	120	-	1536	2449	48.33	159.58	.01	46.21	254.13
	1988	436				436	131.79				131.79
	1992	547	-273	-	85	358	158.64	-79.29	-	4.53	83.88
2	1996	681	-341	-	318	659	189.86	-94.90	-	16.24	111.20
	2006	1143	-571	-	533	1104	287.77	-143.86	-	24.55	168.46
	2016	1826	-913	-	853	1766	415.75	-207.86	-	35.44	243.34
	1988	436				436	131.79				131.79
	1992	547	-273	-	161	434	158.64	-79.29	-	10.33	89.67
3	1996	681	-341	-	603	943	189.86	-94.90	-	37.14	132.09
	2006	1143	-571	-	1012	1584	287.77	-143.86	-	56.26	200.17
	2016	1826	-913	-	1623	2536	415.75	-207.86	-	81.46	289.36
	1988	708				708	197.86				197.86
	1992	899	-273	-	257	883	240.88	-79.29	-	14.47	176.05
4	1996	1135	-341	-	977	1771	291.42	-94.91	-	52.65	249.16
	2006	1958	-571	-	1690	3076	452.55	-143.86	-	81.62	390.30
	2016	3201	-913	-	2775	5063	667.28	-207.86	-	120.64	580.06
	1988	893				893	215.54				215.54
	1992	1131	-273	-	354	1212	252.16	-79.29	-	23.43	206.29
5	1996	1424	-341	-	1335	2418	316.86	-94.90	-	84.81	306.76
	2006	2443	-571	-	2284	4155	491.10	-143.86	-	129.98	477.22
	2016	3976	-913	-	3716	6779	722.97	-207.85	-	190.37	705.49
	1988	2047				2047	509.84				509.84
	1992	2613	-273	-	452	2792	624.40	-79.29	-.01	40.28	585.39
6	1996	3311	-341	-	1709	4679	759.67	-94.90	-.01	146.26	811.02
	2006	5702	-571	-	2918	8049	1181.95	-143.86	-	224.31	1262.39
	2016	9342	-913	-	4746	13176	1751.49	-207.85	-	329.48	1873.11
	1988	2047				2047	509.84				509.84
	1992	2613	-273	-	442	2781	624.40	-79.29	-.01	37.75	582.85
7	1996	3311	-341	-	1669	4640	759.67	-94.90	-.01	136.94	801.70
	2006	5702	-571	-	2851	7981	1181.95	-143.86	-	209.62	1247.70
	2016	9342	-913	-	4636	13065	1751.49	-207.85	-	307.50	1851.13
	1988	-				-	-				-
	1992	-	273	-	184	457	-	79.29	.07	12.63	92.00
8	1996	-	341	-	682	1023	-	94.90	.07	45.22	140.19
	2006	-	571	-	1130	1701	-	143.86	.06	67.78	211.70
	2016	-	913	-	1787	2700	-	207.86	.06	97.35	305.26

TRAFFIC PROJECTION MASBATE

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	-				-	-				-
	1992	-	-	-	136	136	-	-	-	9.86	9.86
9	1996	-	-	-	506	506	-	-	-	35.22	35.22
	2006	-	-	-	834	834	-	-	-	52.71	52.71
	2016	-	-	-	1317	1317	-	-	-	75.49	75.49
	1988	272				272	66.13				66.13
	1992	353	-	-	247	600	82.29	-	-	9.54	91.83
10	1996	454	-	-	947	1401	101.61	-	-	35.17	136.77
	2006	815	-	-	1672	2487	164.83	-	-	56.35	221.18
	2016	1375	-	-	2789	4164	251.57	-	-	85.27	336.84
	1988	272				272	66.13				66.13
	1992	353	-	-	227	580	82.29	-	-	8.63	90.92
11	1996	454	-	-	871	1325	101.61	-	-	31.85	133.46
	2006	815	-	-	1540	2355	164.83	-	-	51.11	215.94
	2016	1375	-	-	2571	3946	251.57	-	-	77.47	329.03
	1988	-				-	-				-
	1992	-	-	-	20	20	-	-	-	.91	.91
12	1996	-	-	-	76	76	-	-	-	3.31	3.31
	2006	-	-	-	132	132	-	-	-	5.24	5.24
	2016	-	-	-	218	218	-	-	-	7.81	7.81
	1988	185				185	17.70				17.70
	1992	232	-	-	141	374	21.29	-	-	11.43	32.72
13	1996	289	-	-	527	816	25.45	-	-	40.97	66.42
	2006	485	-	-	875	1360	38.56	-	-	61.68	100.24
	2016	775	-	-	1391	2166	55.70	-	-	88.91	144.61
	1988	185				185	17.70				17.70
	1992	232	-	-	121	354	21.29	-	-	10.52	31.81
14	1996	289	-	-	451	740	25.46	-	-	37.66	63.11
	2006	485	-	-	743	1228	38.56	-	-	56.45	95.01
	2016	775	-	-	1172	1947	55.70	-	-	81.10	136.80
	1988	-				-	-				-
	1992	-	-	-	98	98	-	-	-	7.08	7.08
15	1996	-	-	-	364	364	-	-	-	25.29	25.29
	2006	-	-	-	600	600	-	-	-	37.84	37.84
	2016	-	-	-	948	948	-	-	-	54.21	54.21
	1988	1155				1155	294.38				294.38
	1992	1481	-	-	140	1622	362.32	-	-	44.70	407.02
16	1996	1887	-	-	531	2419	442.90	-	-	163.13	606.02
	2006	3259	-	-	903	4162	690.92	-	-	251.47	942.39
	2016	5366	-	-	1468	6835	1028.59	-	-	371.37	1399.96

TRAFFIC PROJECTION MASBATE

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
17	1988	2047				2047	509.84				509.84
	1992	2613	-	-	612	3225	624.40	-	.07	37.60	662.07
	1996	3311	-	-	2302	5613	759.67	-	.07	136.07	895.80
	2006	5702	-	-	3898	9600	1181.95	-	.06	207.87	1389.88
	2016	9342	-	-	6293	15635	1751.49	-	.05	304.29	2055.84
18	1988	4764				4764	723.97				723.97
	1992	5926	-	-	668	6594	862.86	-	-.08	64.44	927.21
	1996	7335	-	-	2498	9833	1023.44	-	-.08	229.49	1252.85
	2006	12120	-	-	4190	16310	1522.76	-	-.07	340.74	1863.43
	2016	19156	-	-	6703	25859	2170.12	-	-.07	485.49	2655.55
19	1988	2612				2612	287.64				287.64
	1992	3275	-	-	575	3850	347.13	-	-.08	26.14	373.19
	1996	4085	-	-	2152	6237	416.64	-	-.08	93.88	510.44
	2006	6865	-	-	3619	10483	636.47	-	-.07	141.93	778.33
	2016	11002	-	-	5801	16803	926.93	-	-.06	205.57	1132.43
20	1988	-				-	-				-
	1992	-	-	-	59	59	-	-	-	2.01	2.01
	1996	-	-	-	224	224	-	-	-	7.23	7.23
	2006	-	-	-	383	383	-	-	-	11.09	11.09
	2016	-	-	-	624	624	-	-	-	16.19	16.19
21	1988	-				-	-				-
	1992	-	-	-	72	72	-	-	-	5.24	5.24
	1996	-	-	-	274	274	-	-	-	19.04	19.04
	2006	-	-	-	469	469	-	-	-	29.57	29.57
	2016	-	-	-	763	763	-	-	-	43.65	43.65
22	1988	-				-	-				-
	1992	-	-	-	13	13	-	-	-	3.23	3.23
	1996	-	-	-	50	50	-	-	-	11.81	11.81
	2006	-	-	-	86	86	-	-	-	18.48	18.48
	2016	-	-	-	139	139	-	-	-	27.46	27.46
23	1988	2301				2301	244.33				244.33
	1992	2879	-	-	465	3344	294.15	-.01	-.07	24.56	318.63
	1996	3583	-	-	1733	5316	352.26	-.01	-.07	87.93	440.12
	2006	5995	-	-	2887	8881	535.66	-.01	-.06	132.09	667.68
	2016	9575	-	-	4594	14170	777.38	-.01	-.05	190.17	967.49
24	1988	1781				1781	215.34				215.34
	1992	2231	-	-	398	2629	259.54	-.01	-.07	27.49	286.96
	1996	2782	-	-	1472	4254	311.17	-.01	-.07	97.39	408.48
	2006	4673	-	-	2418	7092	474.41	-.01	-.06	143.11	617.45
	2016	7493	-	-	3811	11304	690.07	-.01	-.06	202.39	892.40

TRAFFIC PROJECTION MASBATE

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	1607				1607	201.25				201.25
	1992	2022	-	-	384	2406	243.26	-.01	-.07	27.58	270.76
25	1996	2530	-	-	1420	3950	292.42	-.01	-.07	97.34	389.69
	2006	4286	-	-	2328	6614	448.27	-.01	-.06	142.09	590.30
	2016	6914	-	-	3666	10579	654.77	-.01	-.06	200.02	854.73
	1988	1369				1369	182.07				182.07
	1992	1732	-	-	314	2046	220.77	-.01	-.07	20.98	241.67
26	1996	2178	-	-	1166	3344	266.14	-.01	-.06	74.47	340.54
	2006	3725	-	-	1931	5657	410.51	-.01	-.06	110.02	520.47
	2016	6056	-	-	3069	9125	602.50	-.01	-.05	156.50	758.94
	1988	1369				1369	182.07				182.07
	1992	1732	-	-	325	2057	220.77	-.01	-.07	22.23	242.92
27	1996	2178	-	-	1208	3386	266.14	-.01	-.06	78.93	345.00
	2006	3725	-	-	2000	5726	410.51	-.01	-.06	116.78	527.22
	2016	6056	-	-	3177	9233	602.50	-.01	-.05	166.24	768.68
	1988	999				999	122.25				122.25
	1992	1278	-	-	392	1670	150.36	-	-.03	25.70	176.02
28	1996	1624	-	-	1469	3092	183.65	-	-.03	92.25	275.87
	2006	2839	-	-	2469	5309	291.15	-	-.03	139.51	430.63
	2016	4693	-	-	3963	8656	436.40	-	-.03	201.71	638.08
	1988	552				552	76.85				76.85
	1992	714	-	-	303	1017	95.51	-	-.01	17.45	112.95
29	1996	918	-	-	1154	2072	117.77	-	-.01	63.86	181.62
	2006	1644	-	-	2011	3654	190.52	-	-.01	100.69	291.20
	2016	2768	-	-	3319	6087	290.11	-	-.01	150.46	440.55
	1988	-				-	-				-
	1992	-	-	-	63	63	-	.01	.01	4.31	4.32
30	1996	-	-	-	240	240	-	.01	.01	15.87	15.89
	2006	-	-	-	425	425	-	.01	.01	25.48	25.49
	2016	-	-	-	712	712	-	.01	.01	38.63	38.64
	1988	311				311	43.36				43.36
	1992	396	-	-	119	515	53.02	-.01	-.01	7.45	60.46
31	1996	502	-	-	447	949	64.41	-.01	-.01	26.95	91.35
	2006	870	-	-	755	1625	100.84	-.01	-.01	41.45	142.28
	2016	1427	-	-	1216	2643	149.58	-.01	-.01	60.68	210.24
	1988	311				311	43.36				43.36
	1992	396	-	-	130	527	53.02	-.01	-.01	8.69	61.70
32	1996	502	-	-	489	991	64.41	-.01	-.01	31.42	95.81
	2006	870	-	-	824	1694	100.84	-.01	-.01	48.20	149.03
	2016	1427	-	-	1324	2751	149.58	-.01	-.01	70.43	219.99

TRAFFIC PROJECTION MASBATE

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
33	1988	311				311	43.36				43.36
	1992	396	-	-	215	611	53.02	-.01	-.01	13.17	66.17
	1996	502	-	-	807	1309	64.41	-.01	-.01	47.50	111.90
	2006	870	-	-	1364	2234	100.84	-.01	-.01	72.56	173.39
	2016	1427	-	-	2194	3621	149.58	-.01	-.01	105.67	255.24
34	1988	-				-	-				-
	1992	-	-	-	11	11	-	-	-	1.24	1.24
	1996	-	-	-	42	42	-	-	-	4.46	4.46
	2006	-	-	-	69	69	-	-	-	6.75	6.75
	2016	-	-	-	108	108	-	-	-	9.75	9.75
35	1988	-				-	-				-
	1992	-	-	-	156	156	-	-	-	11.24	11.24
	1996	-	-	-	588	588	-	-	-	40.78	40.78
	2006	-	-	-	1003	1003	-	-	-	63.15	63.15
	2016	-	-	-	1628	1628	-	-	-	92.97	92.97
36	1988	520				520	29.02				29.02
	1992	647	-	-	303	951	34.63	-	-	23.91	58.54
	1996	801	-	-	1117	1918	41.12	-	-	84.76	125.89
	2006	1321	-	-	1812	3133	61.27	-	-	124.76	186.04
	2016	2083	-	-	2822	4904	87.33	-	-	176.36	263.69
37	1988	447				447	45.46				45.46
	1992	564	-	-	221	785	54.92	-	-.01	17.28	72.19
	1996	706	-	-	823	1529	65.94	-	-.01	62.00	127.94
	2006	1195	-	-	1373	2568	100.69	-	-.01	93.77	194.45
	2016	1925	-	-	2189	4114	146.36	-	-.01	135.67	282.02
38	1988	145				145	11.74				11.74
	1992	184	-	-	129	313	14.33	-	-	13.45	27.78
	1996	233	-	-	485	718	17.37	-	-	48.68	66.05
	2006	402	-	-	823	1225	27.08	-	-	74.94	102.03
	2016	656	-	-	1330	1986	40.03	-	-	109.84	149.87

TRAFFIC PROJECTION MASBATE

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	6	14	2	2	24	-	18	-	41									
	1992	7	17	2	2	29	-	22	-	51	23	51	5	11	91	-	32	-	122
1	1996	9	21	3	3	35	-	28	-	63	37	74	11	19	141	-	29	-	171
	2006	14	34	5	4	57	-	47	-	103	58	117	18	29	223	-	48	-	271
	2016	21	52	8	6	87	-	74	-	161	87	178	29	42	336	-	77	-	412
	1988	26	19	9	35	89	-	14	-	102									
	1992	32	23	11	42	108	-	17	-	125	18	14	7	22	61	-	11	-	73
2	1996	39	28	13	51	131	-	21	-	152	26	24	13	30	93	-	21	-	113
	2006	60	46	23	77	205	-	36	-	241	42	39	22	45	147	-	34	-	182
	2016	89	71	36	111	307	-	57	-	364	62	61	35	65	223	-	55	-	278
	1988	26	19	9	35	89	-	14	-	102									
	1992	32	23	11	42	108	-	17	-	125	20	16	9	24	69	-	14	-	82
3	1996	39	28	13	51	131	-	21	-	152	34	33	19	35	120	-	29	-	150
	2006	60	46	23	77	205	-	36	-	241	53	54	31	53	192	-	49	-	241
	2016	89	71	36	111	307	-	57	-	364	81	84	50	77	292	-	79	-	372
	1988	50	29	14	49	143	-	22	-	165									
	1992	61	37	18	60	176	-	28	-	204	45	33	17	45	141	-	28	-	168
4	1996	75	46	22	73	216	-	35	-	252	63	61	35	66	226	-	55	-	282
	2006	119	77	39	113	348	-	61	-	409	104	104	61	104	373	-	96	-	469
	2016	181	122	63	167	532	-	100	-	632	161	169	100	155	585	-	158	-	743
	1988	69	74	11	43	197	-	56	-	253									
	1992	86	91	13	52	243	-	71	-	314	71	79	14	44	208	-	63	-	271
5	1996	105	112	17	63	298	-	89	-	387	97	131	29	72	328	-	76	-	403
	2006	170	182	29	98	480	-	153	-	632	157	220	49	111	537	-	130	-	667
	2016	262	282	47	145	735	-	248	-	983	241	351	80	165	837	-	212	-	1049
	1988	162	187	20	102	471	-	64	-	535									
	1992	202	233	26	125	585	-	82	-	667	186	213	29	124	552	-	87	-	639
6	1996	249	289	33	152	723	-	103	-	826	231	275	55	189	750	-	146	-	897
	2006	404	472	56	236	1169	-	178	-	1347	371	459	95	295	1220	-	252	-	1472
	2016	625	737	92	350	1805	-	292	-	2097	568	733	156	437	1894	-	412	-	2306
	1988	162	187	20	102	471	-	64	-	535									
	1992	202	233	26	125	585	-	82	-	667	185	212	29	123	549	-	87	-	636
7	1996	249	289	33	152	723	-	103	-	826	229	272	55	187	743	-	145	-	888
	2006	404	472	56	236	1169	-	178	-	1347	367	455	95	291	1208	-	249	-	1457
	2016	625	737	92	350	1805	-	292	-	2097	562	726	156	432	1875	-	408	-	2283
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	27	40	6	5	73	-	100	204	377
8	1996	-	-	-	-	-	-	-	-	-	43	99	4	23	169	-	32	-	201
	2006	-	-	-	-	-	-	-	-	-	67	157	7	35	267	-	53	-	320
	2016	-	-	-	-	-	-	-	-	-	101	241	11	51	403	-	84	-	487

TRAFFIC PROJECTION MASBATE

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	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	3	8	.2	.5	12	-	30	22	64
9	1996	-	-	-	-	-	-	-	-	-	14	38	2	6	61	-	16	-	77
	2006	-	-	-	-	-	-	-	-	-	23	62	3	9	97	-	26	-	123
	2016	-	-	-	-	-	-	-	-	-	34	95	5	13	148	-	41	-	189
	1988	11	13	4	18	46	-	34	-	80									
	1992	13	17	6	22	58	-	44	-	102	18	24	10	24	77	-	62	-	139
10	1996	17	21	7	27	72	-	57	-	129	34	52	25	36	148	-	88	-	236
	2006	28	36	13	44	121	-	102	-	223	59	91	44	59	253	-	155	-	408
	2016	45	58	22	67	193	-	172	-	364	95	149	74	90	407	-	260	-	668
	1988	11	13	4	18	46	-	34	-	80									
	1992	13	17	6	22	58	-	44	-	102	18	24	10	24	75	-	60	-	136
11	1996	17	21	7	27	72	-	57	-	129	33	50	24	36	142	-	83	-	225
	2006	28	36	13	44	121	-	102	-	223	56	87	42	58	242	-	147	-	389
	2016	45	58	22	67	193	-	172	-	364	91	142	70	88	391	-	247	-	637
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	.4	1	.0	.1	2	-	5	2	8
12	1996	-	-	-	-	-	-	-	-	-	3	5	.3	.6	8	-	5	-	13
	2006	-	-	-	-	-	-	-	-	-	5	8	.5	.9	14	-	8	-	23
	2016	-	-	-	-	-	-	-	-	-	8	13	.9	1	23	-	14	-	37
	1988	8	16	-	2	26	-	17	-	43									
	1992	10	19	-	3	32	-	22	-	54	14	28	1	5	49	-	27	-	76
13	1996	12	24	-	3	39	-	27	-	66	25	53	6	13	98	-	25	-	123
	2006	19	38	-	5	62	-	45	-	108	40	86	11	20	157	-	43	-	199
	2016	28	59	-	7	95	-	73	-	168	61	133	17	29	240	-	68	-	308
	1988	8	16	-	2	26	-	17	-	43									
	1992	10	19	-	3	32	-	22	-	54	14	27	.9	5	47	-	26	-	73
14	1996	12	24	-	3	39	-	27	-	66	24	48	6	13	90	-	23	-	113
	2006	19	38	-	5	62	-	45	-	108	37	78	10	19	144	-	38	-	182
	2016	28	59	-	7	95	-	73	-	168	56	121	15	27	220	-	61	-	281
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	2	6	.1	.4	9	-	21	16	46
15	1996	-	-	-	-	-	-	-	-	-	10	28	1	4	44	-	11	-	55
	2006	-	-	-	-	-	-	-	-	-	16	44	2	6	70	-	19	-	88
	2016	-	-	-	-	-	-	-	-	-	25	69	4	9	106	-	30	-	136
	1988	93	99	14	59	264	-	72	-	336									
	1992	116	124	18	72	330	-	93	-	422	121	127	19	86	354	-	84	-	438
16	1996	144	154	22	89	409	-	118	-	527	157	161	29	141	488	-	76	-	563
	2006	234	251	39	138	661	-	204	-	865	250	266	49	220	785	-	130	-	915
	2016	364	391	64	206	1024	-	335	-	1359	380	423	81	327	1211	-	214	-	1425

TRAFFIC PROJECTION MASBATE

Traffic Volume

Link	Year	w/o Car /Van	w/o Jeep-ney	w/o Bus	w/o Tru-ck	w/o Sub-Total	w/o Tri-cycl	w/o Mot. cycl	w/o Ani-mal	w/o Total	with Car /Van	with Jeep-ney	with Bus	with Tru-ck	with Sub-Total	with Tri-cycl	with Mot. cycl	with Ani-mal	with Total
	1988	162	136	8	110	416	191	64	-	671									
	1992	202	171	10	135	518	239	82	-	839	200	200	21	147	568	240	67	-	876
17	1996	249	213	13	165	640	298	103	-	1041	217	322	67	209	814	246	-	-	1060
	2006	404	354	23	256	1037	492	178	-	1707	350	536	114	324	1324	397	-	-	1721
	2016	625	562	37	379	1603	775	292	-	2670	538	853	185	480	2056	612	-	-	2668
	1988	266	253	9	133	661	604	298	-	1562									
	1992	320	311	12	158	801	741	370	-	1912	310	335	35	185	866	671	343	-	1880
18	1996	384	381	14	188	967	905	458	-	2331	333	464	117	292	1206	548	307	-	2061
	2006	589	612	24	279	1505	1451	758	-	3713	519	749	193	435	1896	873	510	-	3279
	2016	868	944	38	398	2247	2230	1197	-	5674	779	1157	307	620	2862	1334	808	-	5005
	1988	58	193	15	58	323	-	163	-	486									
	1992	69	239	19	69	397	-	205	-	602	94	252	28	79	453	-	201	-	653
19	1996	83	295	24	83	485	-	255	-	741	194	331	62	119	705	-	195	-	900
	2006	127	482	41	127	778	-	429	-	1207	310	548	104	182	1143	-	328	-	1470
	2016	185	754	65	185	1190	-	688	-	1878	474	866	156	264	1770	-	525	-	2295
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	.8	3	.1	.1	4	-	13	4	21
20	1996	-	-	-	-	-	-	-	-	-	5	15	.9	1	21	-	7	-	28
	2006	-	-	-	-	-	-	-	-	-	8	24	2	2	36	-	12	-	48
	2016	-	-	-	-	-	-	-	-	-	12	39	2	3	57	-	19	-	76
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	2	4	.1	.3	6	-	16	12	34
21	1996	-	-	-	-	-	-	-	-	-	8	21	1	3	33	-	9	-	41
	2006	-	-	-	-	-	-	-	-	-	13	36	2	5	54	-	15	-	69
	2016	-	-	-	-	-	-	-	-	-	20	55	3	7	85	-	24	-	109
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	.9	1	.0	.2	2	-	3	7	13
22	1996	-	-	-	-	-	-	-	-	-	3	6	.2	2	12	-	2	-	13
	2006	-	-	-	-	-	-	-	-	-	5	10	.3	3	19	-	3	-	21
	2016	-	-	-	-	-	-	-	-	-	8	16	.6	5	29	-	4	-	33
	1988	49	168	18	49	284	-	72	-	356									
	1992	59	208	23	59	348	-	90	-	438	70	222	29	67	388	-	91	-	479
23	1996	70	256	28	70	425	-	112	-	537	119	301	53	103	576	-	100	-	675
	2006	107	417	47	107	679	-	187	-	866	186	496	88	156	925	-	167	-	1091
	2016	155	651	76	155	1037	-	299	-	1337	277	781	140	226	1423	-	266	-	1689
	1988	43	135	14	43	235	-	56	-	291									
	1992	52	167	18	52	289	-	70	-	359	63	181	23	61	326	-	71	-	398
24	1996	62	206	22	62	353	-	87	-	439	107	246	42	95	490	-	80	-	570
	2006	95	337	37	95	563	-	146	-	709	165	404	70	144	783	-	133	-	916
	2016	138	526	59	138	861	-	234	-	1095	245	635	112	208	1200	-	212	-	1412

TRAFFIC PROJECTION MASBATE

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	40	123	13	40	217	-	50	-	267									
	1992	49	153	16	49	267	-	63	-	330	59	167	21	57	303	-	65	-	369
25	1996	58	189	20	58	326	-	79	-	405	101	230	39	91	461	-	74	-	535
	2006	90	311	34	90	525	-	134	-	658	157	378	65	138	738	-	124	-	862
	2016	131	489	55	131	805	-	216	-	1021	233	596	105	199	1133	-	198	-	1332
	1988	36	107	11	36	191	-	43	-	234									
	1992	44	134	14	44	236	-	54	-	290	52	144	18	51	265	-	55	-	320
26	1996	53	166	17	53	290	-	68	-	358	88	195	33	79	396	-	63	-	458
	2006	82	275	29	82	468	-	116	-	685	137	325	56	121	640	-	106	-	746
	2016	120	434	48	120	723	-	189	-	912	205	516	90	177	989	-	171	-	1160
	1988	36	107	11	36	191	-	43	-	234									
	1992	44	134	14	44	236	-	54	-	290	53	145	18	51	266	-	56	-	322
27	1996	53	166	17	53	290	-	68	-	358	89	198	33	81	401	-	63	-	464
	2006	82	275	29	82	468	-	116	-	585	139	329	57	123	648	-	107	-	755
	2016	120	434	48	120	723	-	189	-	912	208	523	91	179	1001	-	173	-	1174
	1988	24	80	4	24	132	-	62	-	195									
	1992	30	101	5	30	166	-	80	-	246	38	118	10	37	203	-	80	-	283
28	1996	37	125	6	37	206	-	101	-	308	73	177	31	64	345	-	58	-	403
	2006	58	215	11	58	343	-	177	-	520	117	299	52	100	570	-	100	-	669
	2016	87	346	19	87	539	-	293	-	833	179	482	86	149	895	-	162	-	1057
	1988	19	55	2	12	88	-	17	-	106									
	1992	24	71	3	14	112	-	22	-	134	31	86	5	19	142	-	32	-	174
29	1996	29	89	4	18	140	-	29	-	169	67	136	16	36	256	-	65	-	321
	2006	48	154	6	29	236	-	51	-	288	112	235	29	58	434	-	114	-	548
	2016	73	249	11	44	376	-	86	-	463	178	382	46	88	696	-	190	-	886
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	1	4	.1	.2	5	-	14	10	29
30	1996	-	-	-	-	-	-	-	-	-	7	18	.9	3	28	-	8	-	36
	2006	-	-	-	-	-	-	-	-	-	11	31	2	4	48	-	13	-	62
	2016	-	-	-	-	-	-	-	-	-	18	51	3	6	78	-	22	-	101
	1988	4	27	-	11	42	-	10	-	52									
	1992	5	34	-	13	52	-	12	-	65	9	40	1	15	65	-	16	-	81
31	1996	6	43	-	16	65	-	16	-	81	23	59	7	23	113	-	30	-	143
	2006	10	72	-	25	107	-	27	-	135	38	100	13	36	186	-	51	-	237
	2016	15	116	-	37	168	-	45	-	213	60	159	21	53	292	-	83	-	375
	1988	4	27	-	11	42	-	10	-	52									
	1992	5	34	-	13	52	-	12	-	65	9	41	1	15	66	-	16	-	83
32	1996	6	43	-	16	65	-	16	-	81	24	62	8	24	118	-	31	-	149
	2006	10	72	-	25	107	-	27	-	135	40	104	13	37	195	-	53	-	248
	2016	15	116	-	37	168	-	45	-	213	62	166	22	55	305	-	86	-	391

TRAFFIC PROJECTION MASBATE

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	4	27	-	11	42	-	10	-	52									
	1992	5	34	-	13	52	-	12	-	65	10	46	2	17	74	-	19	-	93
33	1996	6	43	-	15	65	-	16	-	81	30	80	10	28	149	-	41	-	190
	2006	10	72	-	25	107	-	27	-	135	50	134	18	43	245	-	70	-	315
	2016	15	116	-	37	168	-	45	-	213	79	213	29	64	384	-	113	-	497
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	.4	.8	.0	.1	1	-	2	3	6
34	1996	-	-	-	-	-	-	-	-	-	2	4	.2	.7	6	-	1	-	7
	2006	-	-	-	-	-	-	-	-	-	2	6	.3	1	10	-	2	-	12
	2016	-	-	-	-	-	-	-	-	-	4	9	.4	2	14	-	3	-	18
	1988	-	-	-	-	-	-	-	-	-									
	1992	-	-	-	-	-	-	-	-	-	4	9	.2	.6	14	-	34	25	73
35	1996	-	-	-	-	-	-	-	-	-	17	45	2	7	71	-	18	-	89
	2006	-	-	-	-	-	-	-	-	-	27	74	4	11	116	-	31	-	148
	2016	-	-	-	-	-	-	-	-	-	43	118	6	15	182	-	51	-	233
	1988	1	41	-	6	48	-	49	-	97									
	1992	2	50	-	7	59	-	61	-	119	11	68	3	12	93	-	69	-	163
36	1996	2	61	-	8	72	-	75	-	147	53	105	15	29	203	-	60	-	263
	2006	3	99	-	12	114	-	124	-	238	83	170	25	43	321	-	98	-	419
	2016	4	153	-	17	174	-	196	-	370	125	263	39	62	488	-	153	-	642
	1988	7	38	2	8	55	-	28	-	83									
	1992	8	48	2	10	68	-	35	-	103	16	61	4	14	94	-	41	-	135
37	1996	10	59	3	12	84	-	44	-	128	48	99	12	26	185	-	48	-	233
	2006	15	95	5	18	134	-	75	-	209	77	163	20	39	299	-	80	-	379
	2016	22	150	8	27	206	-	120	-	327	117	255	33	56	461	-	129	-	589
	1988	50	-	-	-	50	-	9	-	59									
	1992	63	-	-	-	63	-	12	-	75	77	8	.6	2	87	-	16	-	104
38	1996	79	-	-	-	79	-	15	-	94	24	54	4	12	94	-	22	-	116
	2006	133	-	-	-	133	-	25	-	158	38	89	7	19	153	-	38	-	192
	2016	214	-	-	-	214	-	41	-	255	59	140	12	27	239	-	62	-	301