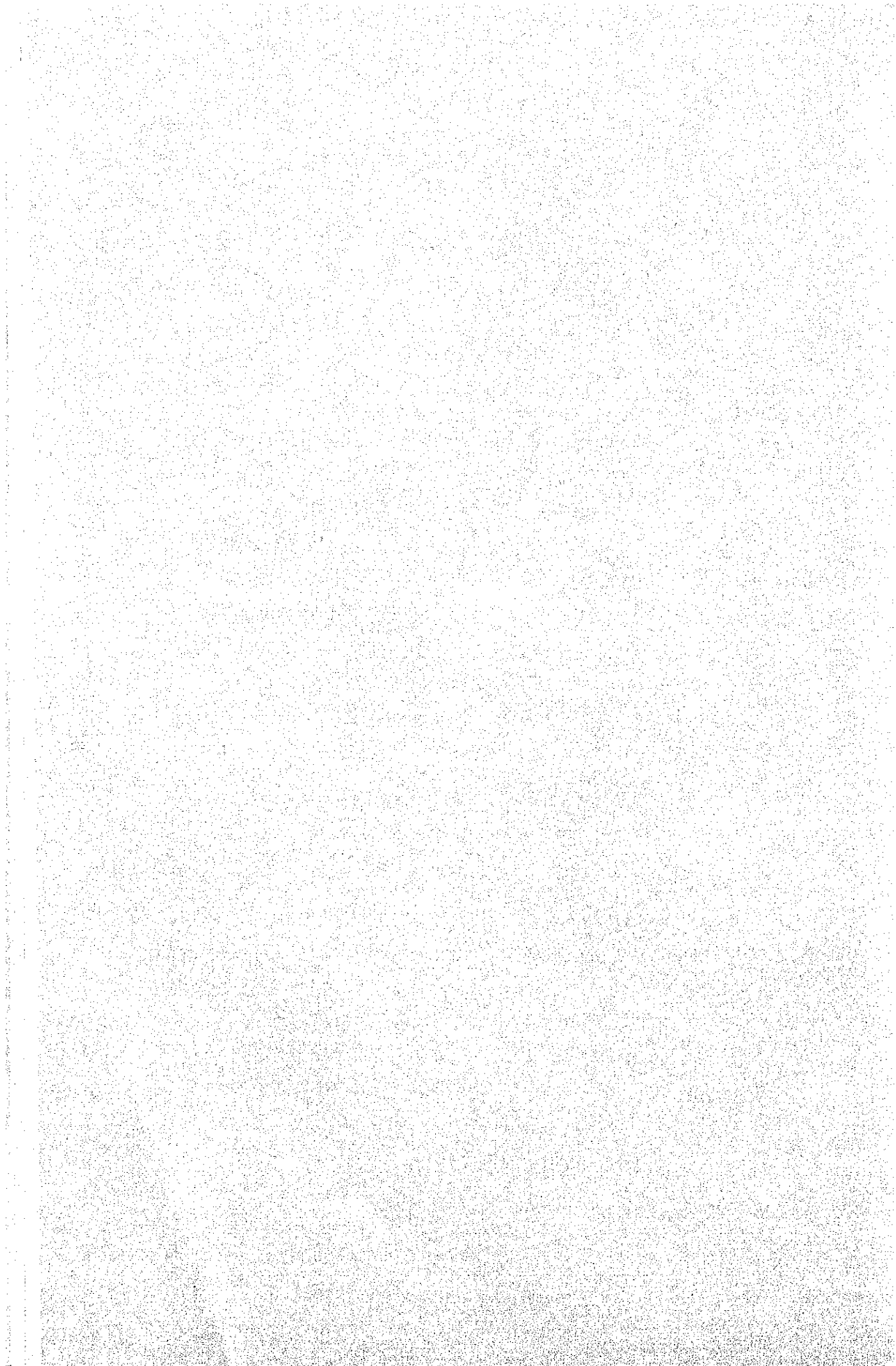


4. Selected Data



SELECTED DATA - 4.1
ZONAL POPULATION IN 1979, 1990 AND 2000

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Table A. Night Population

Block	Zone No.	Barangay	1979	1990	2000
I	2011	Lasang	3,930 (5.0)	6,000 (7.6)	15,000 (19.0)
	2012	Bunawan	8,540 (13.8)	16,000 (25.8)	45,000 (72.6)
	2013	Mahayag	960 (2.0)	2,000 (4.3)	10,000 (21.3)
	2021	Tibungco	11,520 (16.0)	17,000 (23.6)	28,000 (38.9)
	-	San Isidro	2,000 (4.9)	3,000 (7.3)	10,000 (24.4)
	-	Acasia	610 (5.5)	1,000 (9.1)	2,000 (18.2)
	-	Others	70 (1.0)	-	-
		Sub-Total	27,630 (8.7)	45,000 (14.1)	110,000 (34.5)
II	2022	Ilang	4,790 (24.0)	8,000 (40.0)	15,000 (75.0)
	2023	Panacan	11,620 (11.9)	30,000 (31.6)	75,000 (78.9)
	3011	Sasa	14,620 (19.2)	19,000 (25.0)	25,000 (32.9)
	-	Mudiang	590 (2.8)	1,000 (4.8)	5,000 (23.8)
	-	Communal	450 (1.0)	2,000 (4.4)	10,000 (22.2)
	-	Others	110 (2.2)	-	-
		Sub-Total	31,820 (12.1)	60,000 (22.9)	130,000 (49.6)
III	3012	Pampang	6,990 (14.3)	25,000 (51.0)	40,000 (81.6)
	3021	Buhangin	16,180 (18.0)	35,000 (38.9)	60,000 (66.7)
	-	Cabantian	1,440 (2.3)	5,000 (7.9)	10,000 (15.9)
	-	Others	30 (0.2)	-	-
		Sub-Total	24,640 (11.0)	65,000 (29.0)	110,000 (49.1)
IV	3031	Agdao	45,210 (92.3)	48,000 (98.0)	50,000 (102.0)
	4021	Bucana	11,670 (25.9)	25,000 (55.6)	30,000 (66.7)
	1010	Poblacion	3,910 (111.7)	4,200 (120.0)	4,500 (128.6)
	1020		13,000 (181.8)	13,400 (187.4)	13,800 (193.0)
	1030		4,650 (155.0)	4,800 (160.0)	5,000 (166.7)
	1040		13,040 (76.7)	19,800 (116.5)	22,500 (132.4)
	1050		5,790 (48.3)	10,800 (90.0)	13,800 (115.0)
	1060		12,060 (32.5)	26,500 (71.4)	35,800 (96.5)
	1070		14,950 (113.7)	16,600 (126.2)	18,200 (138.4)
	1080		18,220 (201.3)	19,500 (215.5)	20,800 (230.0)
	1090		29,490 (359.6)	28,400 (346.3)	27,400 (334.1)
	1100		7,890 (199.7)	8,000 (202.5)	8,200 (207.6)
		Sub-Total	179,880 (86.5)	225,000 (108.2)	250,000 (120.2)

Table A
page 2

Block	Zone No.	Barangay	1979	1990	2000
V	4011	Ma-a	12,470 (12.0)	35,000 (33.7)	60,000 (57.7)
	4012	Matina Pangi	1,810 (2.8)	6,000 (9.4)	10,000 (15.6)
	4022	Matina Crossing	28,990 (76.3)	33,000 (86.8)	36,000 (94.7)
	4031	Matina Aplaya	4,140 (11.5)	15,000 (41.7)	25,000 (69.4)
	4032	Talomo	14,070 (20.7)	30,000 (44.1)	40,000 (58.8)
	-	Catalunan Grande	1,120 (1.8)	3,000 (4.7)	5,000 (7.8)
	-	Catalunan Pequeno	1,570 (3.7)	3,000 (7.1)	4,000 (9.5)
	-	Others	480 (0.8)	-	-
Sub-total			64,650 (13.6)	125,000 (26.3)	180,000 (37.9)
VI	4041	Bago Gallera	4,670 (5.2)	10,000 (11.1)	22,000 (24.4)
	4042	Baliok	520 (2.4)	1,000 (4.5)	3,000 (13.6)
	4043	Dumoy	3,660 (8.3)	8,000 (18.2)	17,000 (38.6)
	5011	Crossing Bayabas	8,630 (27.8)	12,000 (38.7)	15,000 (48.4)
	5012	Toril	11,690 (68.8)	20,000 (117.6)	34,000 (200.0)
	5021	Daliao	7,840 (35.6)	11,000 (50.0)	14,000 (63.6)
	5022	Fagel Lizada	2,840 (6.6)	5,000 (11.6)	10,000 (23.3)
	-	Lubogan	1,950 (9.3)	3,000 (14.3)	5,000 (23.8)
-	Others	1,320 (4.1)	-	-	
Sub-Total			43,120 (13.4)	70,000 (21.7)	120,000 (37.3)
Grand Total			371,740 (20.5)	590,000 (32.6)	900,000 (49.7)

Note:

Figures in parenthesis show a population density:
person per hectare.

Table B. Night Population of Workers

Block	Zone No.	Barangay	1979	1990	2000
I	2011	Lasang	1,395	2,000	5,500
	2012	Bunawan	2,625	5,400	16,500
	2013	Mahayag	303	700	3,500
	2021	Tibunco	3,476	5,700	10,000
	-	San Isidro	-	1,000	3,500
	-	Acasia	-	300	500
	Sub-Total			7,799	15,100
II	2022	Ilang	2,375	2,700	5,500
	2023	Panacan	2,832	10,100	27,000
	3011	Sasa	2,972	6,400	9,000
	-	Mudiang	-	300	2,000
	-	Communal	-	700	3,500
Sub-total			8,179	20,200	47,000
III	3012	Pampangá	3,013	8,400	14,500
	3021	Buhangin	5,601	11,700	21,500
	-	Cabantian	-	1,700	3,500
Sub-total			8,614	21,800	39,500
IV	3031	Agdao	14,020	16,100	18,000
	4021	Bucana	5,815	8,400	11,000
	1010	Poblacion	1,120	1,400	1,600
	1020		4,023	4,500	5,100
	1030		1,562	1,700	1,800
	1040		4,311	6,800	8,100
	1050		1,749	3,600	4,900
	1060		4,176	8,900	12,500
	1070		4,779	5,500	6,600
	1080		5,876	6,400	7,500
	1090		9,290	9,500	10,000
	1100		2,528	2,700	2,900
Sub-total			59,249	75,500	90,000

Table B.
page 2

Block	Zone No.	Barangay	1979	1990	200
V	4011	Ma-a	4,018	11,700	21,500
	4012	Matina Pangi	587	2,000	3,500
	4022	Matina Crossing	8,371	11,100	14,000
	4031	Matina Aplaya	1,526	5,000	9,000
	4032	Talomo	4,467	10,100	14,500
	-	Catalunan Grande	-	1,000	1,500
	-	Catalunan Pequeño	-	1,000	1,000
	Sub-Total			18,969	41,900
VI	4041	Bago Gallera	1,483	3,400	8,000
	4042	Baliok	156	300	1,000
	4043	Dumoy	1,213	2,700	6,000
	5011	Crossing Bayabas	2,991	4,000	5,500
	5012	Toril	3,429	6,700	12,000
	5021	Daliao	2,293	3,700	5,000
	5022	Fagel Lizada	627	1,700	3,500
	-	Lubogan	-	1,000	2,000
Sub-Total			12,192	23,500	43,000
Grand Total			115,002	198,000	324,000

Table C. Night Population of Workers by Industry in 2000

Block	Zone No.	Barangay	Primary	Secondary	Tertiary	Total
I	2011	Lasang	400	2,100	3,000	5,500
	2012	Bunawan	200	6,800	9,500	16,500
	2013	Mahayag	500	1,300	1,700	3,500
	2021	Tibungco	400	4,000	5,600	10,000
	-	San Isidro	300	1,300	1,900	3,500
	-	Acasia	200	100	200	500
	Sub-Total		2,000	15,600	21,900	39,500
II	2022	Ilang	100	1,700	3,700	5,500
	2023	Panacan	200	8,800	18,000	27,000
	3011	Sasa	200	2,800	6,000	9,000
	-	Mudiang	300	500	1,200	2,000
	-	Communal	200	1,000	2,300	3,500
	Sub-Total		1,000	14,800	31,200	47,000
III	3012	Pampangá	100	4,000	10,400	14,500
	3021	Buhangin	200	5,900	15,400	21,500
	-	Cabantian	500	800	2,200	3,500
	Sub-total		800	10,700	28,000	39,500
IV	3031	Agdao		4,100	13,900	18,000
	4021	Bucana		2,500	8,500	11,000
	1010	Poblacion		300	1,300	1,600
	1020			1,300	3,800	5,100
	1030			400	1,400	1,800
	1040			1,900	6,200	8,100
	1050			1,100	3,800	4,900
	1060			2,800	9,700	12,500
	1070			1,600	5,000	6,600
	1080			1,700	5,800	7,500
	1090			2,300	7,700	10,000
1100			600	2,300	2,900	
	Sub-total			20,600	69,400	90,000

Table C
page 2

Block	Zone No.	Barangay	Primary	Secondary	Tertiary	Total
V	4011	Ma-a	200	5,900	15,400	21,500
	4012	Matina Pangi	500	800	2,200	3,500
	4022	Matina Crossing	-	3,900	10,100	14,000
	4031	Matina Aplaya	-	2,500	6,500	9,000
	4032	Talomo	-	4,000	10,500	14,500
	-	Catalunan Grande	400	300	800	1,500
	-	Catalunan Pequeno	100	200	700	1,000
	Sub-Total		1,200	17,600	46,200	65,000
VI	4041	Bago Gallera	500	1,700	5,800	8,000
	4042	Baliok	100	200	700	1,000
	4043	Dumoy	100	1,200	4,700	6,000
	5011	Crossing Bayabas	-	1,200	4,300	5,500
	5012	Toril	-	2,700	9,300	12,000
	5021	Daliao	3,000	500	1,500	5,000
	5022	Fagel Lizada	300	700	2,500	3,500
	-	Lubogan	-	500	1,500	2,000
	Sub-total		4,000	8,700	30,300	43,000
	Grand Total		9,000	88,000	227,000	324,000

Table D. Night Population of Workers by Industry in 1990

Block	Zone No.	Barangay	Primary	Secondary	Tertiary	Total
I	2011	Lasang	500	600	900	2,000
	2012	Bunawan	400	2,100	2,900	5,400
	2013	Mahayag	500	100	100	700
	2021	Tibungco	500	2,200	3,000	5,700
	-	San Isidro	400	300	300	1,000
	-	Acasia	200	-	100	300
	Sub-Total		2,500	5,300	7,300	15,100
II	2022	Ilang	100	800	1,800	2,700
	2023	Panacan	200	3,100	6,800	10,100
	3011	Sasa	200	2,000	4,200	6,400
	-	Mudiang	300	-	-	300
	-	Communal	200	200	300	700
	Sub-Total		1,000	6,100	13,100	20,200
III	3012	Pampangá	100	2,300	6,000	8,400
	3021	Buhangin	400	3,100	8,200	11,700
	-	Cabantian	1,000	200	500	1,700
	Sub-Total		1,500	5,600	14,700	21,800
IV	3031	Agdao	1,000	2,900	12,200	16,100
	4021	Bucana	2,000	1,300	5,100	8,400
	1010	Poblacion	-	300	1,100	1,400
	1020		300	900	3,300	4,500
	1030		-	300	1,400	1,700
	1040		200	1,300	5,300	6,800
	1050		-	700	2,900	3,600
	1060		200	1,700	7,000	8,900
	1070		300	1,100	4,100	5,500
	1080		400	1,100	4,900	6,400
	1090		1,100	1,700	6,700	9,500
	1100		-	600	2,100	2,700
	Sub-total		5,500	13,900	56,100	75,500

Table D
page 2

Block	Zone No.	Barangay	Primary	Secondary	Tertiary	Total
V	4011	Ma-a	500	3,200	8,000	11,700
	4012	Matina Pangi	500	400	1,100	2,000
	4022	Matina Crossing	500	2,900	7,700	11,100
	4031	Matina Aplaya	500	1,200	3,300	5,000
	4032	Talomo	500	2,600	7,000	10,100
	-	Catalunan Grande	500	100	400	1,000
	-	Catalunan Pequeño	500	100	400	1,000
	Sub-total		3,500	10,500	27,900	41,900
VI	4041	Bago Gallera	500	700	2,200	3,400
	4042	Baliok	100	-	200	300
	4043	Dumoy	100	600	2,000	2,700
	5011	Crossing Bayabas	-	900	3,100	4,000
	5012	Toril	-	1,400	5,300	6,700
	5021	Daliao	2,000	400	1,300	3,700
	5022	Fagel Lizada	1,300	100	300	1,700
	-	Lubogon	-	200	800	1,000
	Sub-total		4,000	4,300	15,200	23,500
	Grand Total		18,000	45,700	134,300	198,000

Table E. Night Population of Workers by Industry in 1979

Block	Zone No.	Barangay	Primary	Secondary	Tertiary	Total
I	2011	Lasang	895	215	285	1,395
	2012	Bunawan	1,181	990	454	2,625
	2013	Mahayag	187	81	35	303
	2021	Tibungco	658	773	2,045	3,476
	-	San Isidro				
-	Acasia					
	Sub-total		2,921	2,059	2,819	7,799
II	2022	Ilang	668	841	866	2,375
	2023	Panacan	166	1,142	1,524	2,832
	3011	Sasa	379	234	2,359	2,972
	-	Mudiang				
	-	Communal				
	Sub-total		1,213	2,217	4,749	8,179
III	3012	Pampangá	222	1,978	813	3,013
	3021	Buhangin	579	1,080	3,942	5,601
	-	Cabantian				
	Sub-total		801	3,058	4,755	8,614
IV	3031	Agdao	1,612	3,127	9,281	14,020
	4021	Bucana	4,319	136	1,360	5,815
	1010	Poblacion	72	383	665	1,120
	1020		323	376	3,324	4,023
	1030		35	56	1,471	1,562
	1040		290	509	3,512	4,311
	1050			190	1,559	1,749
	1060		237	715	3,224	4,176
	1070		373	1,223	3,183	4,779
	1080		456	968	4,452	5,876
	1090		1,339	1,962	5,989	9,290
	1100		146	372	2,010	2,528
	Sub-total		9,202	10,017	40,030	59,249

Table E
page 2

Block	Zone No.	Barangay	Primary	Secondary	Tertiary	Total
V	4011	Ma-a	1,767	551	1,700	4,018
	4012	Matina Pangi	392	59	136	587
	4022	Matina Crossing	1,464	806	6,101	8,371
	4031	Matina Aplaya	536	578	412	1,526
	4032	Talomo	1,708	716	2,043	4,467
	-	Catalunan Grande				
	-	Catalunan Pequeno				
Sub-total			5,867	2,710	10,392	18,969
VI	4041	Bago Gallera	844	267	372	1,483
	4042	Baliok	91	54	11	156
	4043	Dumoy	557	148	508	1,213
	5011	Crossing Bayabas	628	653	1,710	2,991
	5012	Toril	526	152	2,751	3,429
	5021	Daliao	911	586	796	2,293
	5022	Fagel Lizada	405	-	222	627
	-	Lubogan	-	-	-	-
Sub-total			3,962	1,860	6,370	12,192
Grand Total			23,966	21,921	69,115	115,002

Table F. Day Population of Workers

Block	Zone No.	Barangay	1979	1990	2000
I	2011	Iasang	1,395	1,500	3,400
	2012	Bunawan	2,771	6,800	22,600
	2013	Mahayag	360	500	1,900
	2021	Tibungco	1,935	2,400	5,900
	-	San Isidro	-	600	1,700
	-	Acasia	-	200	500
	Sub-total		6,461	12,000	36,000
II	2022	Ilang	1,719	2,000	3,500
	2023	Panacan	4,572	16,800	42,100
	3011	Sasa	4,986	6,000	8,000
	-	Mudiang	-	400	900
	-	Communal	-	400	1,500
	Sub-Total		11,277	25,600	56,000
III	3012	Pampanganga	6,430	6,700	7,200
	3021	Buhangin	3,001	5,000	10,900
	-	Cabantian	-	1,500	1,800
	Sub-total		9,431	13,200	19,900
IV	3031	Agdao	9,445	26,500	34,400
	4021	Bucana	5,670	12,800	14,600
	1010	Poblacion	1,039	1,400	2,900
	1020		14,883	13,300	12,400
	1030		2,879	4,200	4,500
	1040		3,625	5,100	10,700
	1050		1,061	1,500	2,300
	1060		3,908	5,500	9,500
	1070		4,798	6,700	11,500
	1080		10,764	15,200	15,900
	1090		6,002	8,200	14,100
	1100		4,765	6,900	7,200
	Sub-total		68,839	107,300	140,000

Table F
page 2

Block	Zone No.	Barangay	1979	1990	2000
V	4011	Ma-a	2,841	7,000	14,800
	4012	Matina Pangi	665	1,100	1,800
	4022	Matina Crossing	3,619	4,800	7,600
	4031	Matina Aplaya	1,546	3,500	5,200
	4032	Talomo	4,261	5,900	9,100
	-	Catalunan Grande	-	800	1,000
	-	Catalunan Pequeno	-	700	600
Sub-Total			12,932	23,800	40,100
VI	4041	Bago Gallera	1,073	2,200	5,900
	4042	Baliok	244	300	500
	4043	Dumoy	2,052	2,100	4,200
	5011	Crossing Bayabas	1,161	2,000	4,400
	5012	Toril	3,843	4,300	13,900
	5021	Dalião	2,096	7,000	9,900
	5022	Fagel Lizada	595	7,700	8,500
	-	Lubogan	-	400	700
Sub-Total			11,064	26,000	48,000
Grand Total			120,004	207,900	340,000

Table G. Day Population of Workers by Industry in 2000

Block	Zone No.	Barangay	Primary	Secondary	Tertiary	Total
I	2011	Lasang	400	700	2,300	3,400
	2012	Bunawan	200	14,100	3,300	22,100
	2013	Mahayag	500	400	1,000	1,900
	2021	Tibungco	400	1,300	4,200	5,900
	-	San Isidro	300	400	1,000	1,700
	-	Acasia	200	100	200	500
Sub-Total			2,000	19,000	15,000	36,000
II	2022	Ilang	100	400	3,000	3,500
	2023	Panacan	200	25,400	16,500	42,100
	3011	Sasa	200	2,800	5,000	8,000
	-	Mudiang	300	100	500	900
	-	Communal	200	300	1,000	1,500
Sub-Total			1,000	29,000	26,000	56,000
III	3012	Pampangá	100	1,100	6,000	7,200
	3021	Buhangin	200	1,700	9,000	10,900
	-	Cabantian	500	300	1,000	1,800
Sub-Total			800	3,100	16,000	19,900
IV	3031	Agdao	-	11,900	22,500	34,400
	4021	Bucana	-	1,100	13,500	14,600
	1010	Poblacion		300	2,600	2,900
	1020			900	11,500	12,400
	1030			300	4,200	4,500
	1040			700	10,000	10,700
	1050			200	2,100	2,300
	1060			500	9,000	9,500
	1070			900	10,600	11,500
	1080			900	15,000	15,900
	1090			900	13,200	14,100
1100			400	6,800	7,200	
Sub-Total				19,000	121,000	140,000

Table G
page 2

Block	Zone No.	Barangay	Primary	Secondary	Tertiary	Total
V	4011	Ma-a	200	5,600	9,000	14,800
	4012	Matina Pangi	500	300	1,000	1,800
	4022	Matina Crossing	-	1,000	6,600	7,600
	4031	Matina Aplaya		2,700	2,500	5,200
	4032	Talomo		1,100	8,000	9,100
	-	Catalunan Grande	400	100	500	1,000
	-	Catalunan Pequeno	100	100	400	600
Sub-total			1,200	10,900	28,000	40,100
VI	4041	Bago Gallera	500	1,000	4,400	5,900
	4042	Baliok	100	100	1,100	500
	4043	Dumoy	100	700	3,400	4,200
	5011	Crossing Bayabas	-	600	3,800	4,400
	5012	Toril	-	1,500	12,400	13,900
	5021	Daliao	3,000	2,700	4,200	9,900
	5022	Fagel Lizada	300	7,200	1,000	8,500
	-	Lubogan	-	200	500	700
Sub-Total			4,000	14,000	30,000	48,000
Grand Total			9,000	95,000	236,000	340,000

Table H. Day Population of Workers by Industry in 1990

Block	Zone No.	Barangay	Primary	Secondary	Tertiary	Total
I	2011	Lasang	500	300	700	1,500
	2012	Bunawan	500	4,300	2,000	6,800
	2013	Mahayag	400	-	100	500
	2021	Tibungco	500	400	1,500	2,400
	-	San Isidro	400	-	200	600
	-	Acasia	200	-	-	200
	Sub-total			2,500	5,000	4,500
II	2022	Ilang	100	400	1,500	2,000
	2023	Panacan	200	11,100	5,500	16,800
	3011	Sasa	200	2,000	3,800	6,000
	-	Mudiang	300	-	100	400
	-	Communal	200	100	100	400
Sub-total			1,000	13,600	11,000	25,600
III	3012	Pampangá	100	3,100	3,100	6,700
	3021	Buhangin	400	300	4,300	5,000
	-	Cabantian	1,000	100	400	1,500
Sub-total			1,500	3,900	7,800	13,200
IV	3031	Aqdao	1,000	9,500	16,000	26,500
	4021	Bucana	2,000	800	10,000	12,800
	1010	Poblacion	-	100	1,300	1,400
	1020		300	1,700	11,300	13,300
	1030		-	100	4,100	4,200
	1040		200	200	4,700	5,100
	1050		-	200	1,300	1,500
	1060		200	300	5,000	5,500
	1070		300	500	5,900	6,700
	1080		400	600	14,200	15,200
	1090		1,100	800	6,300	8,200
	1100		-	200	6,700	6,900
sub-total			5,500	15,000	86,800	107,300

Table H.
page 2

Block	Zone No.	Barangay	Primary	Secondary	Tertiary	Total
V	4011	Ma-a	500	3,200	3,300	7,000
	4012	Matina Pangi	500	100	500	1,100
	4022	Matina Crossing	500	200	4,100	4,800
	4031	Matina Aplaya	500	2,500	500	3,500
	4032	Talomo	500	500	4,900	5,900
	-	Catalunan Grande	500	100	200	800
	-	Catalunan Pequeno	500	-	200	700
Sub-total			3,500	4,100	16,200	23,800
VI	4041	Bago Gallera	500	200	1,500	2,200
	4042	Baliok	100	100	100	300
	4043	Dumoy	100	800	1,200	2,100
	5011	Crossing Bayabas	-	200	1,800	2,000
	5012	Toril	-	300	4,000	4,300
	5021	Daliao	2,000	3,400	1,600	7,000
	5022	Fagel Lizada	1,300	5,900	500	7,700
	-	Luboqan	-	100	300	400
Sub-total			4,000	11,000	11,000	26,000
Grand Total			18,000	52,600	137,300	207,900

Table I. Day Population of Workers by Industry in 1979

Block	Zone No.	Barangay	Primary	Secondary	Tertiary	Total
I	2011	Lasang	825	144	273	1,242
	2012	Bunawan	1,371	786	497	2,654
	2013	Mahayag	217	67	73	357
	2021	Tibungco	520	49	1,322	1,891
	-	San Isidro				
	-	Acasia				
	Sub-total		2,933	1,046	2,165	6,144
II	2022	Ilang	868	128	666	1,662
	2023	Panacan	300	2,385	1,719	4,404
	3011	Sasa	377	1,195	3,209	4,781
	-	Mudiang				
	-	Communal				
	Sub-total		1,545	3,708	5,594	10,847
III	3012	Pampanganga	403	3,405	2,279	6,087
	3021	Buhangin	615	260	2,007	2,882
	-	Cabantian				
IV	3031	Agdao	1,694	1,814	5,779	9,287
	4021	Bucana	4,057	-	1,613	5,670
	1010	Poblacion	144	141	718	1,003
	1020		444	2,424	11,017	13,885
	1030		151	196	2,380	2,727
	1040		187	110	3,179	3,476
	1050		28	184	817	1,029
	1060		276	796	2,678	3,750
	1070		370	1,108	3,204	4,682
	1080		516	1,861	8,018	10,395
	1090		1,262	794	3,671	5,727
	1100		165	554	3,591	4,310
	Sub-total		9,294	9,982	46,665	65,941

Table I.
page 2

Block	Zone No.	Barangay	Primary	Secondary	Tertiary	Total
V	4011	Ma-ra	1,417	447	969	2,833
	4012	Matina Pangi	450	65	150	665
	4022	Matina Crossing	970	182	2,286	3,438
	4031	Matina Aplaya	616	502	400	1,518
	4032	Talomo	1,605	920	1,491	4,016
	-	Catalunan Grande				
	-	CatalunanPequeño				
Sub-total			5,058	2,116	5,296	12,470
VI	4041	Bago Gallera	554	127	372	1,053
	4042	Baliok	144	93	7	244
	4043	Dumoy	655	675	641	1,971
	5011	Crossing Bayabas	628	-	526	1,154
	5012	Toril	761	107	2,691	3,559
	5021	Daliao	980	477	582	2,039
	5022	Fagel Lizada	427	-	168	595
	-	Lubogan	-	-	-	-
Sub-total			4,149	1,479	4,987	10,615
Grand Total			23,997	21,996	68,993	114,986

Table J. Night Population of Students

Block	Zone No.	Barangay	1979	1990	2000
I	2011	Lasang	1,096	1,900	4,800
	2012	Bunawan	2,649	5,000	14,400
	2013	Mahayag	288	600	3,200
	2021	Tibungco	3,209	5,500	9,000
	-	San Isidro	-	900	3,200
	-	Acasia	-	300	600
Sub-Total			7,242	14,200	35,200
II	2022	Ilang	1,288	2,600	4,800
	2023	Panacan	3,278	9,400	24,000
	3011	Sasa	4,403	6,000	8,000
	-	Mudiang	-	300	1,600
	-	Communal	-	600	3,200
sub-total			8,969	18,900	41,600
III	3012	Pampanga	11,827	7,900	12,800
	3021	Buhangin	4,758	11,000	19,200
	-	Cabantian	-	1,600	3,200
sub-total			6,585	20,500	35,200
IV	3031	Agdao	13,176	15,200	16,000
	4021	Bucana	3,502	7,900	9,600
	1010	Poblacion	1,409	1,500	1,600
	1020		4,595	4,400	4,300
	1030		1,458	1,500	1,600
	1040		4,069	6,000	7,200
	1050		1,928	3,400	4,400
	1060		3,898	8,000	11,300
	1070		5,173	5,300	5,900
	1080		5,774	6,000	6,600
	1090		9,370	9,100	8,900
	1100		2,876	2,600	2,600
sub-total			57,228	70,900	80,000

Table J
page 2

Block	Zone No.	Barangay	1979	1990	2000
V	4011	Ma-a	3,457	11,000	19,200
	4012	Matina Pangil	625	1,800	3,200
	4022	Matina Crossing	8,624	10,400	11,500
	4031	Matina Aplaya	941	4,800	8,000
	4032	Talomo	4,174	9,500	12,800
	-	Catalunan Grande	-	900	1,600
	-	Catalunan Pequeño	-	900	1,300
	Sub-total			17,821	39,300
VI	4041	Bago Gallera	1,471	3,200	7,000
	4042	Baliok	123	300	1,000
	4043	Dumoy	1,100	2,600	5,400
	5011	Crossing Bayabas	3,050	3,700	4,800
	5012	Toril	3,362	6,300	10,900
	5021	Daliao	2,120	3,500	4,500
	5022	Fagel Lizada	667	1,500	3,200
	-	Lubogan	-	900	1,600
	-	Others	-	-	-
sub-total			11,893	22,000	38,400
Grand total			109,738	185,800	288,000

Table K. Day Population of students

Block	Zone No.	Barangay	1979	1990	2000
I	2011	Lasang	1,229	2,300	4,100
	2012	Bunawan	2,037	5,400	14,100
	2013	Mahayag	255	500	1,700
	2021	Tibungco	2,676	7,400	16,100
	-	San Isidro	-	-	1,700
	-	Acasia	-	-	300
sub-total			6,197	15,600	38,000
II	2022	Ilang	1,164	1,400	4,000
	2023	Panacan	1,800	11,000	25,500
	3011	Sasa	4,534	5,100	6,800
	-	Mudiang	-	-	800
	-	Communal	-	-	1,700
Sub-total			7,498	17,500	38,800
III	3012	Pampang	744	6,800	10,800
	3021	Buhangin	2,792	9,900	17,200
	-	Cabantian	-	900	1,700
sub-total			3,536	17,600	29,700
IV	3031	Agdao	8,241	10,000	13,500
	4021	Bucana	1,737	4,000	8,100
	1010	Poblacion	2,271	2,400	2,600
	1020		19,189	20,700	22,100
	1030		2,635	2,800	3,000
	1040		5,484	5,600	6,300
	1050		6,883	7,100	7,900
	1060		1,706	1,800	1,900
	1070		8,134	8,400	9,300
	1080		6,992	7,500	8,100
	1090		3,366	3,400	3,800
	1100		3,386	3,600	3,900
Sub-total			70,024	77,300	90,500

Table k
page 2

Block	Zone No.	Barangay	1979	1990	2000
V	4011	Ma-a	1,727	9,400	16,200
	4012	Matina Pangi	323	1,000	1,700
	4022	Matina Crossing	6,251	9,000	10,700
	4031	Matina Aplaya	722	4,100	6,800
	4032	Talomo	2,743	12,000	18,800
	-	Catalunan Grande	-	1,600	800
	-	Catalunan Pequeño	-	1,600	700
Sub-total			11,766	38,700	55,700
VI	4041	Bago Gallera	831	2,600	5,900
	4042	Baliok	30	100	500
	4043	Dumoy	651	2,500	4,900
	5011	Crossing Bayabas	3,680	4,000	4,600
	5012	Toril	3,728	7,600	15,100
	5021	Daliao	1,441	3,500	3,800
	5022	Fagel Lizada	99	800	1,700
	-	Lubogan	-	-	800
Sub-total			10,460	21,100	37,300
Grand Total			109,481	187,800	290,000

Table L. Day Population

Block	Zone No.	Barangay	1979	1990	2000
I	2011	Lasang	4,063	5,900	12,200
	2012	Bunawan	8,074	17,500	50,800
	2013	Mahayag	984	1,700	6,900
	2021	Tibungco	9,446	15,900	31,000
	-	San Isidro		1,700	6,700
	-	Acasia		600	1,700
Sub-Total			22,567	43,300	109,300
II	2022	Ilang	4,010	6,100	12,200
	2023	Panacan	11,522	38,300	91,600
	3011	Sasa	16,765	17,700	22,800
	-	Mudiang		800	3,100
	-	Communal		1,100	6,500
Sub-Total			32,297	64,000	136,200
III	3012	Pampangá	9,324	22,200	30,700
	3021	Buhangin	11,614	27,200	47,400
	-	Cabantian	-	4,100	6,800
Sub-Total			20,938	53,500	84,900
IV	3031	Agdao	35,700	53,200	63,900
	4021	Bucana	9,760	25,500	32,100
	1010	Poblacion	4,691	5,100	6,800
	1020		38,454	38,500	38,900
	1030		7,144	8,600	9,100
	1040		13,769	17,700	24,200
	1050		10,057	12,400	14,700
	1060		19,600	16,900	23,400
	1070		17,930	20,900	26,500
	1080		24,326	29,800	30,700
	1090		20,198	21,400	26,400
	1100		10,637	13,200	13,800
Sub-Total			202,266	263,200	310,500

Table II.
page 2

Block	Zone NO.	Barangay	1979	1990	2000
V	4011	Ma-a	9,563	28,700	50,300
	4012	Matina Pangi	1,586	4,300	6,800
	4022	Matina Crossing	21,865	25,300	28,800
	4031	Matina Aplaya	3,941	12,800	20,000
	4032	Talomo	12,433	28,300	40,600
	-	Catalunan Grande	-	3,500	3,700
	-	Catalunan Pequeno	-	3,400	3,000
Sub-total			49,388	106,300	153,200
VI	4041	Bago Gallera	3,620	8,200	18,800
	4042	Baliok	515	800	2,000
	4043	Dumoy	4,050	7,300	14,700
	5011	Crossing Bayabas	7,430	10,300	13,700
	5012	Toril	12,470	18,900	40,100
	5021	Daliao	6,964	14,300	18,200
	5022	Fagel Lizada	2,240	10,300	13,500
	-	Lubogan	-	1,500	2,900
Sub-Total			37,289	71,600	123,900
Grand Total			364,745	601,900	918,000

Table M. Day/Night Population Ratio

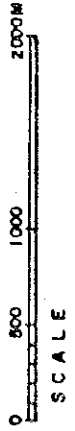
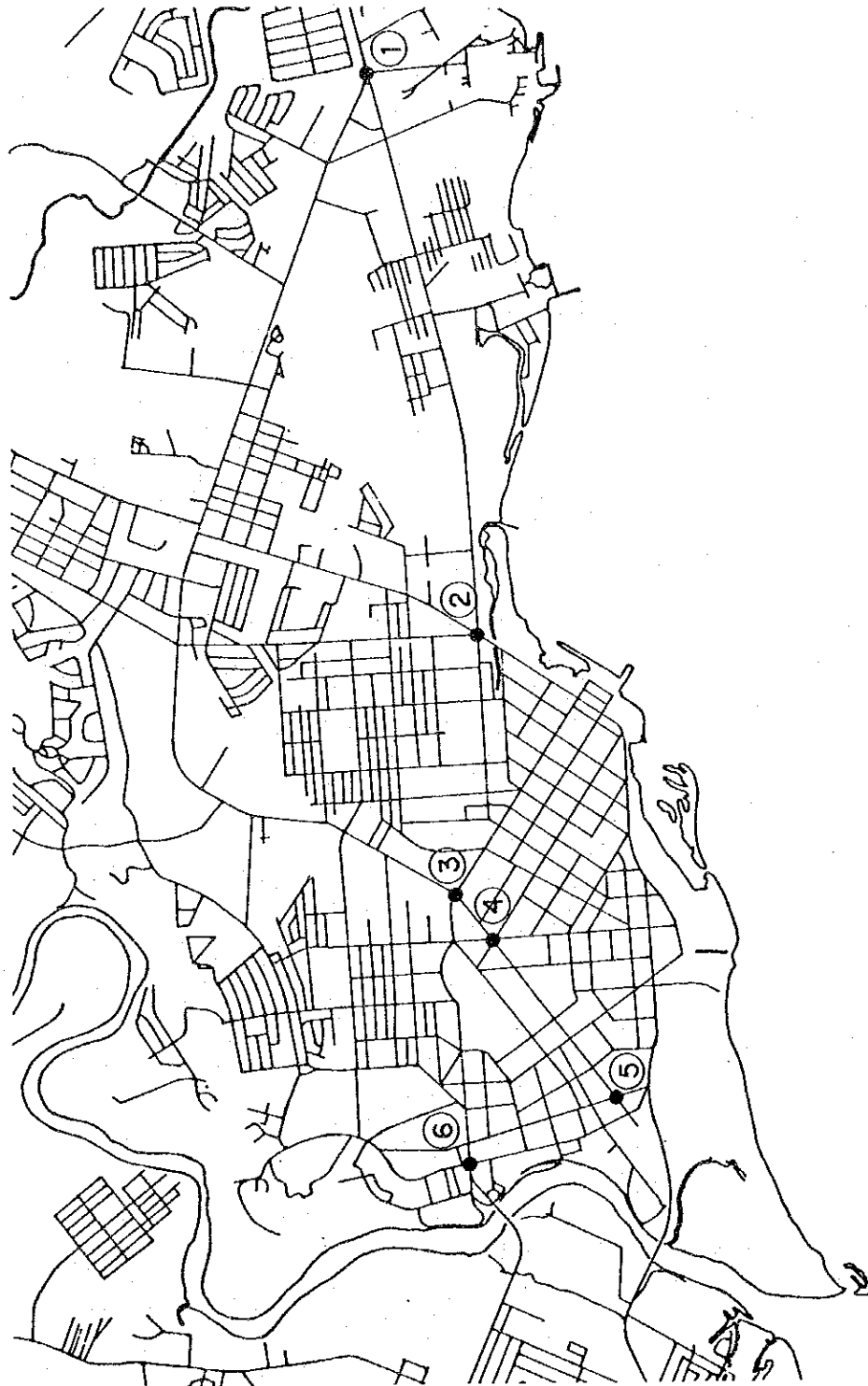
Block	Zone No.	Barangay	1979	1990	2000
I	2011	Lasang	1.0	.98	.81
	2012	Bunawan	.95	1.09	1.13
	2013	Mahayag	1.02	.85	.69
	2021	Tibungco	.82	.93	1.11
	-	San Isidro	-	.57	.67
	-	Acasia	-	.60	.85
	Sub-Total		.84	.96	.99
II	2022	Ilang	.84	.76	.81
	2023	Panacan	1.02	1.28	1.22
	3011	Sasa	1.15	.93	.91
	-	Mudiang	-	.80	.62
	-	Communal	-	.55	.65
	Sub-Total		1.01	1.07	1.05
III	3012	Pampang	1.33	.89	.77
	3021	Buhangin	.72	.78	.79
	-	Cabantian	-	.82	.68
	Sub-Total		.85	.82	.77
IV	3031	Agdao	.79	1.11	1.28
	4021	Bucana	.84	1.02	1.07
	1010	Poblacion	1.20	1.21	1.51
	1020		2.96	2.87	2.82
	1030		1.54	1.79	1.82
	1040		1.06	.89	1.08
	1050		1.74	1.15	1.06
	1060		.80	.64	.65
	1070		1.20	1.26	1.46
	1080		1.34	1.53	1.48
	1090		.68	.75	.96
	1100		1.35	1.65	1.68
	Sub-Total		1.12	1.17	1.24

Table M.
page 2

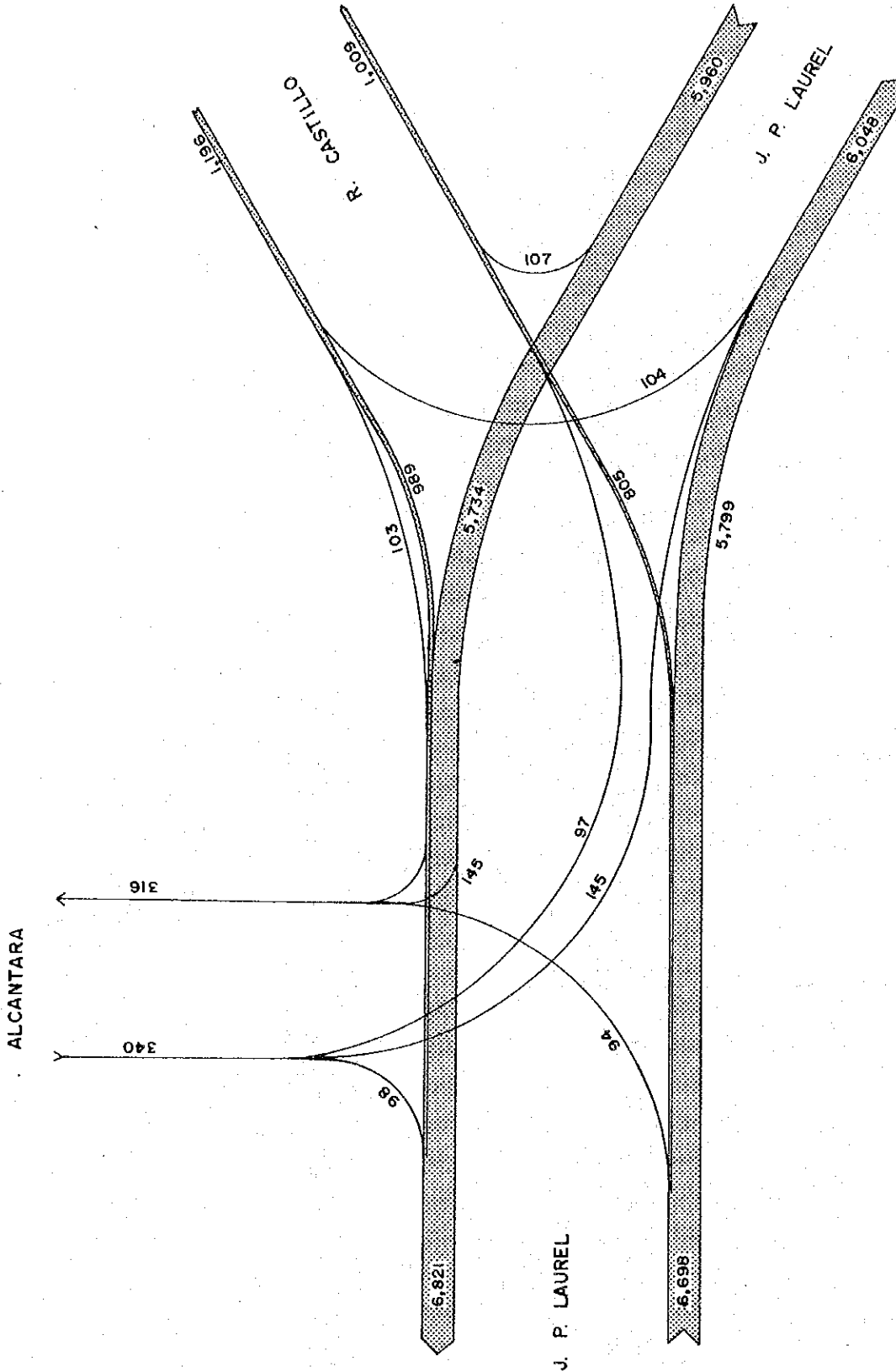
Block	Zone No.	Barangay	1979	1990	2000
V	4011	Ma-a	.77	.82	.84
	4012	Matina Pangí	.88	.72	.68
	4022	Matina Crossing	.75	.77	.80
	4031	Matina Aplaya	.95	.85	.80
	4032	Talomo	.88	.94	1.02
	-	Catalunan Grande	-	1.17	.74
	-	Catalunan Pequeño	-	1.13	.75
Sub-Total			.76	.85	.85
VI	4041	Bago Gallera	.78	.82	.85
	4042	Baliok	.99	.80	.67
	4043	Dunoy	1.11	.91	.86
	5011	Crossing Bayabas	.86	.86	.91
	5012	Toril	1.07	.95	1.18
	5021	Daliao	.89	1.30	1.30
	5022	Fagel Lizada	.79	2.06	1.35
	-	Lubogan	-	.50	.58
Sub-total			.86	1.02	1.03
Grand Total			.98	1.02	1.02

SELECTED DATA-4.2
TRAFFIC VOLUME COUNT SURVEY

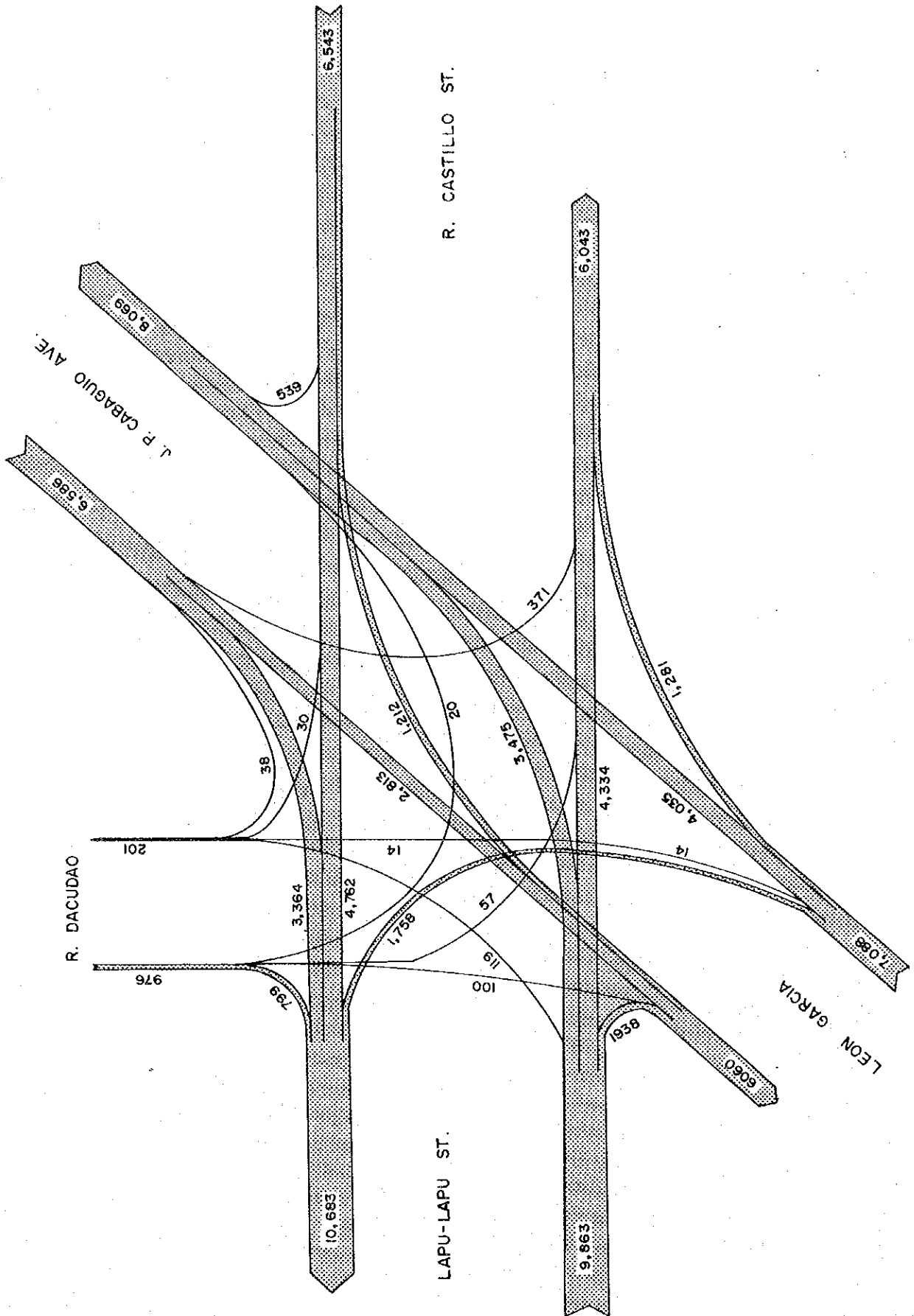
Location of Intersection Traffic Count



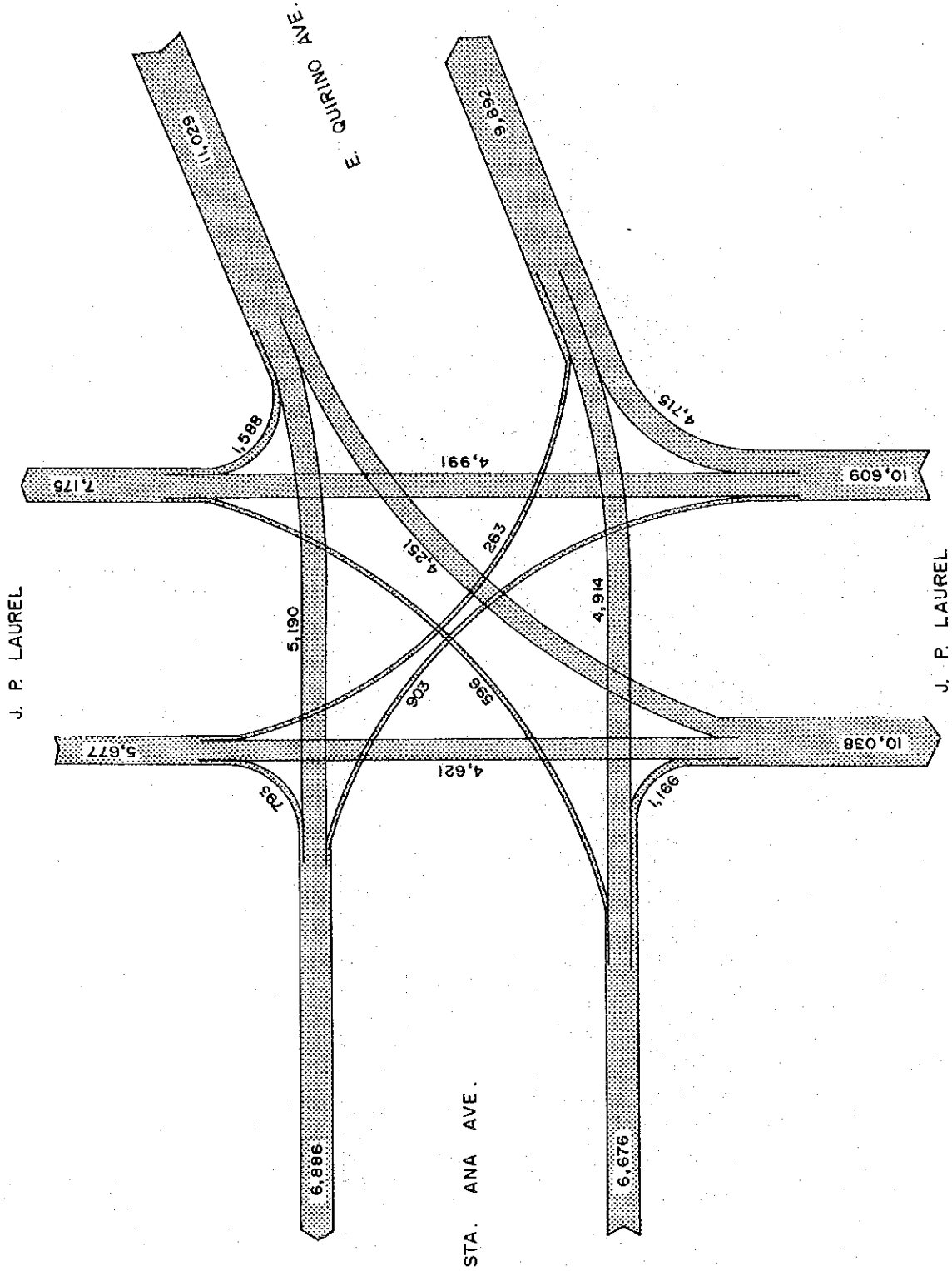
① J.P. Laurel Ave. / R. Castillo St. Intersection
 (6:00 a.m. - 9:00 p.m.)



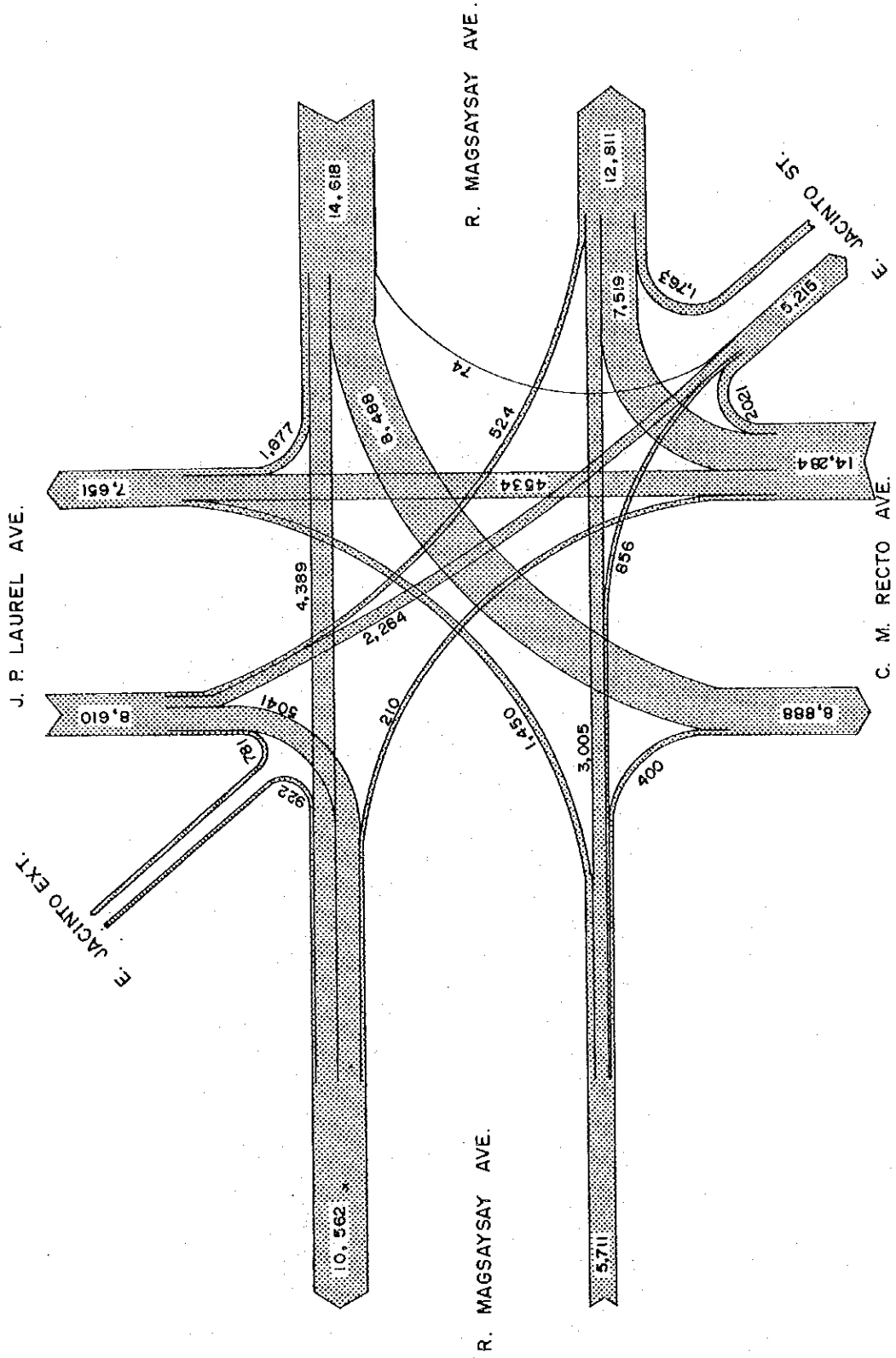
② Leon Garcia / R. Castillo St. Intersection
 (6:00 a.m. - 9:00 p.m.)



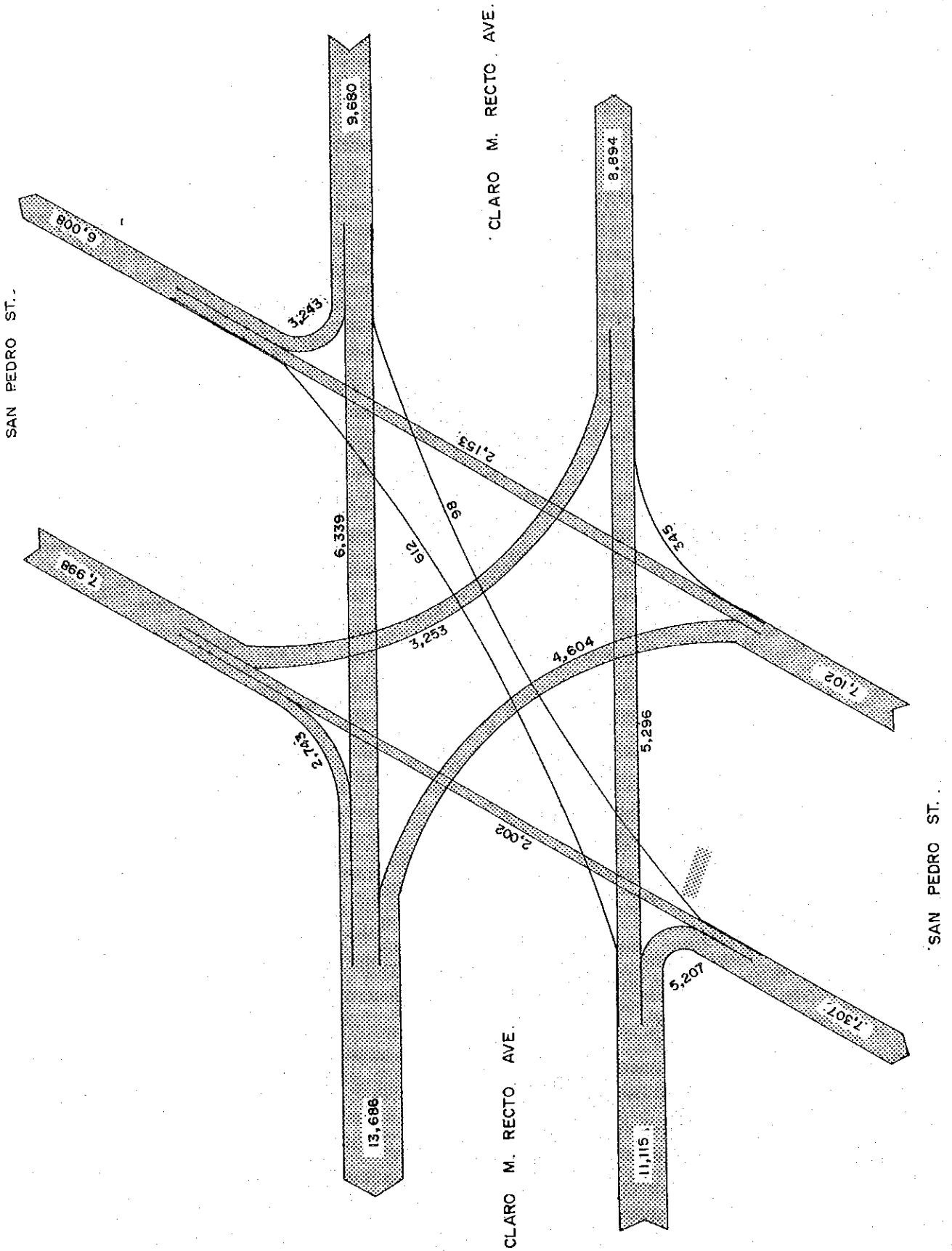
③ J. P. Laurel / Santa Ana Ave. Intersection
 (6:00 a.m. - 9:00 p.m.)



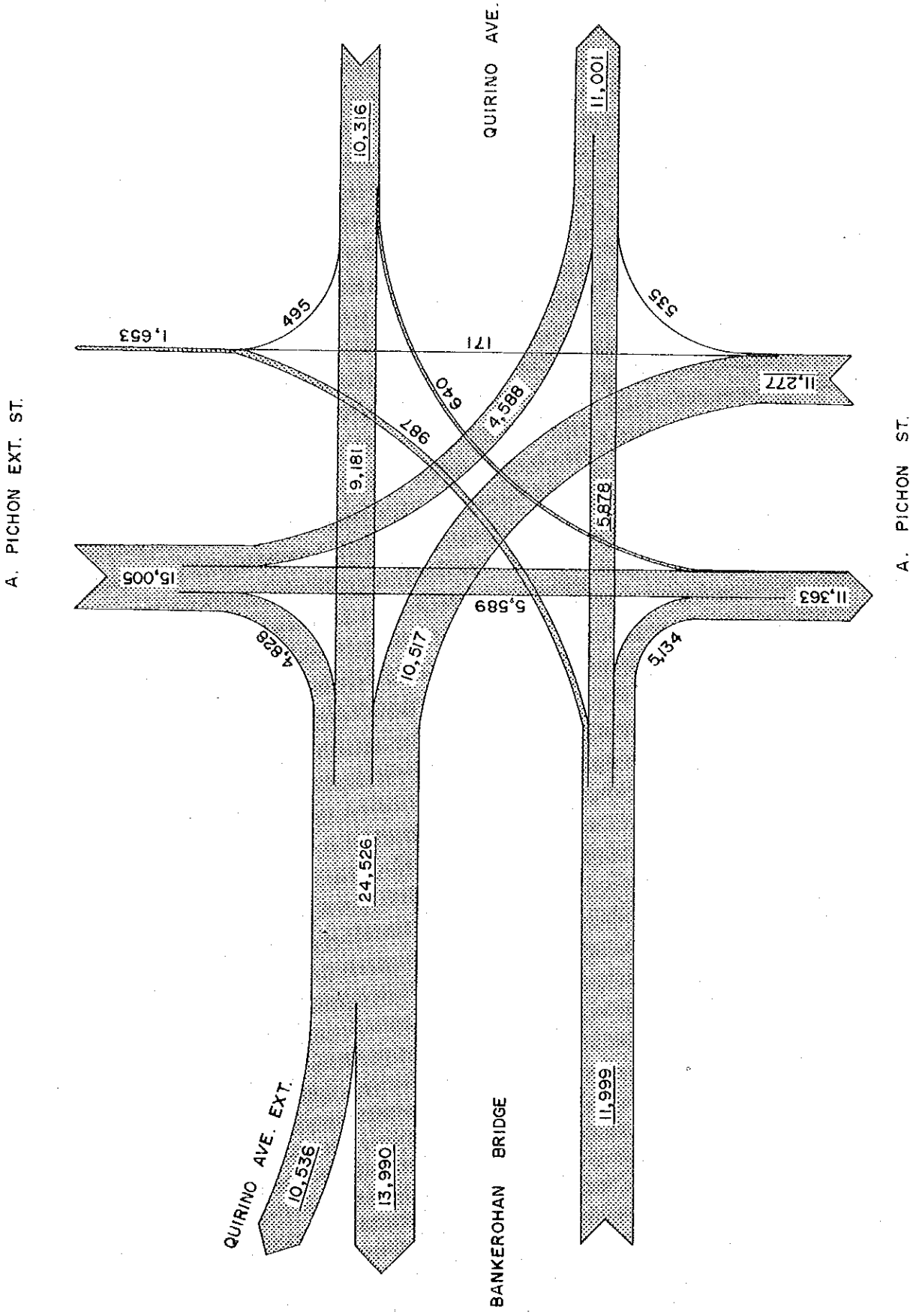
④ J.P. Laurel / Magsaysay / Jacinto St. Intersection
 (6:00 a.m. - 9:00 p.m.)



⑤ C. M. Recto / San Pedro St. Intersection
 (6:00 a.m. - 9:00 p.m.)

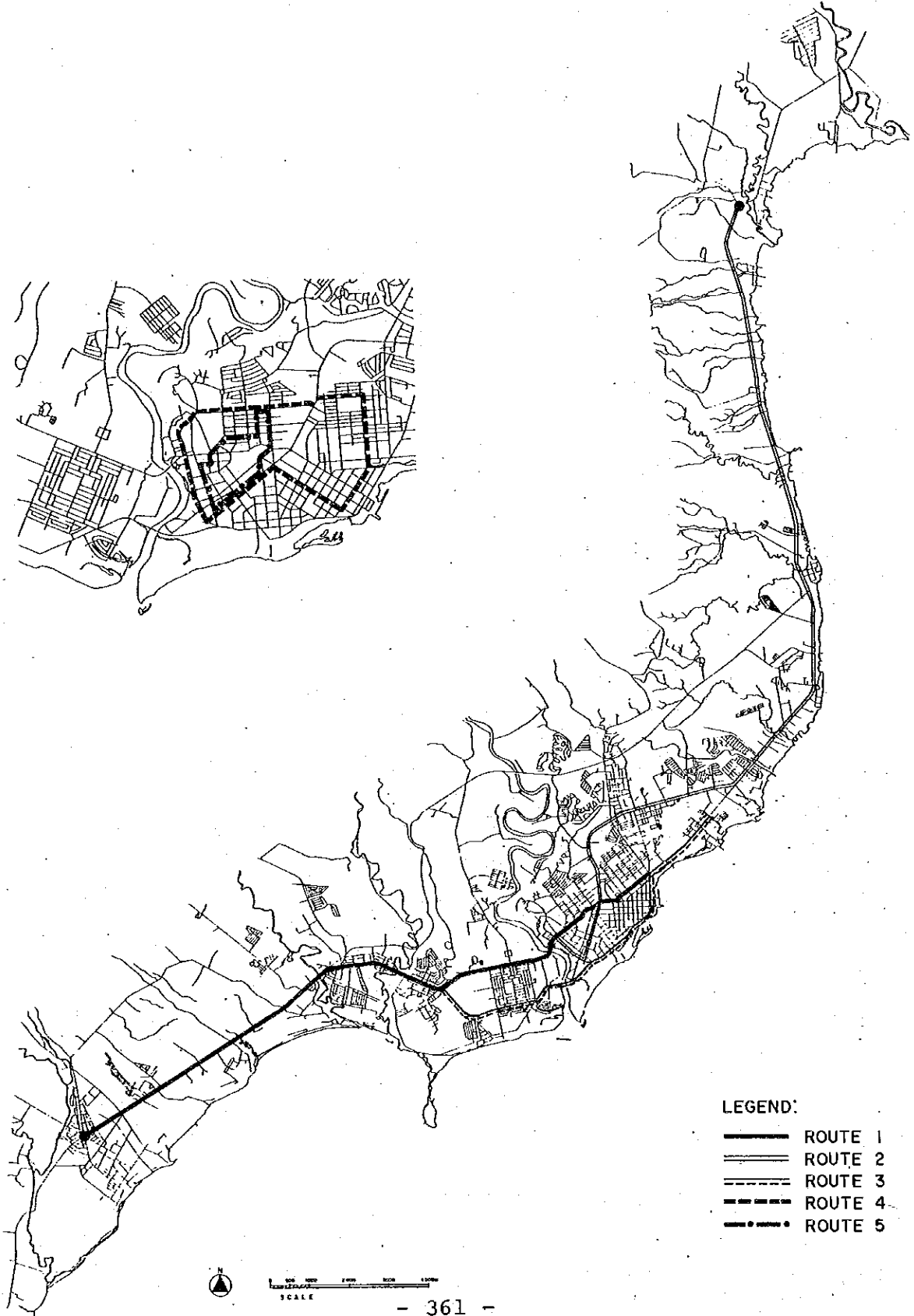


⑥ Antonio Pichon St./ E. Quirino Ave. Intersection
 (6:00 a.m. - 9:00 p.m.)



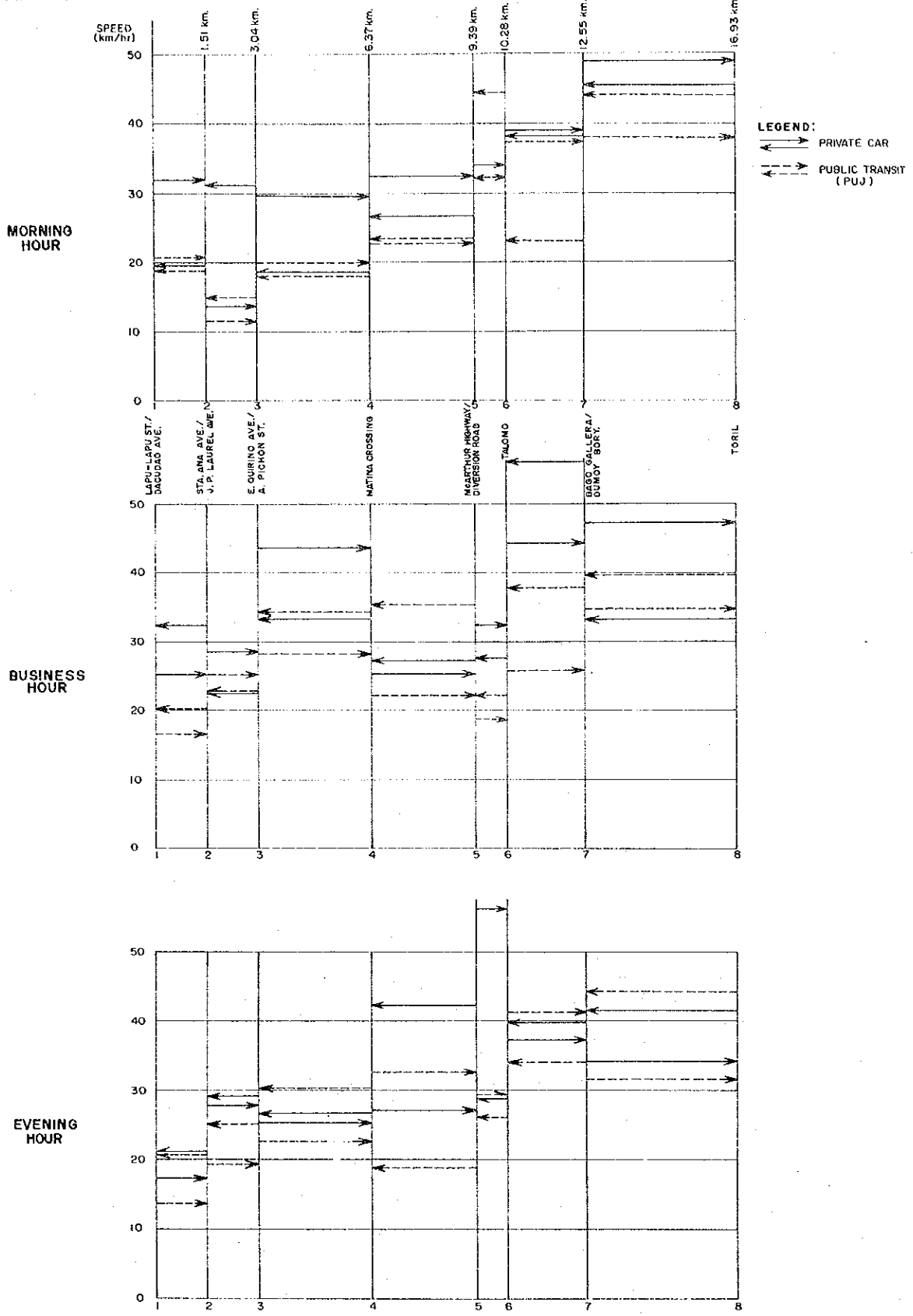
SELECTED DATA-4.3
TRAVEL TIME SURVEY

TRAVEL TIME SURVEY ROUTE



ROUTE 1
POBLACION ~ TORIL

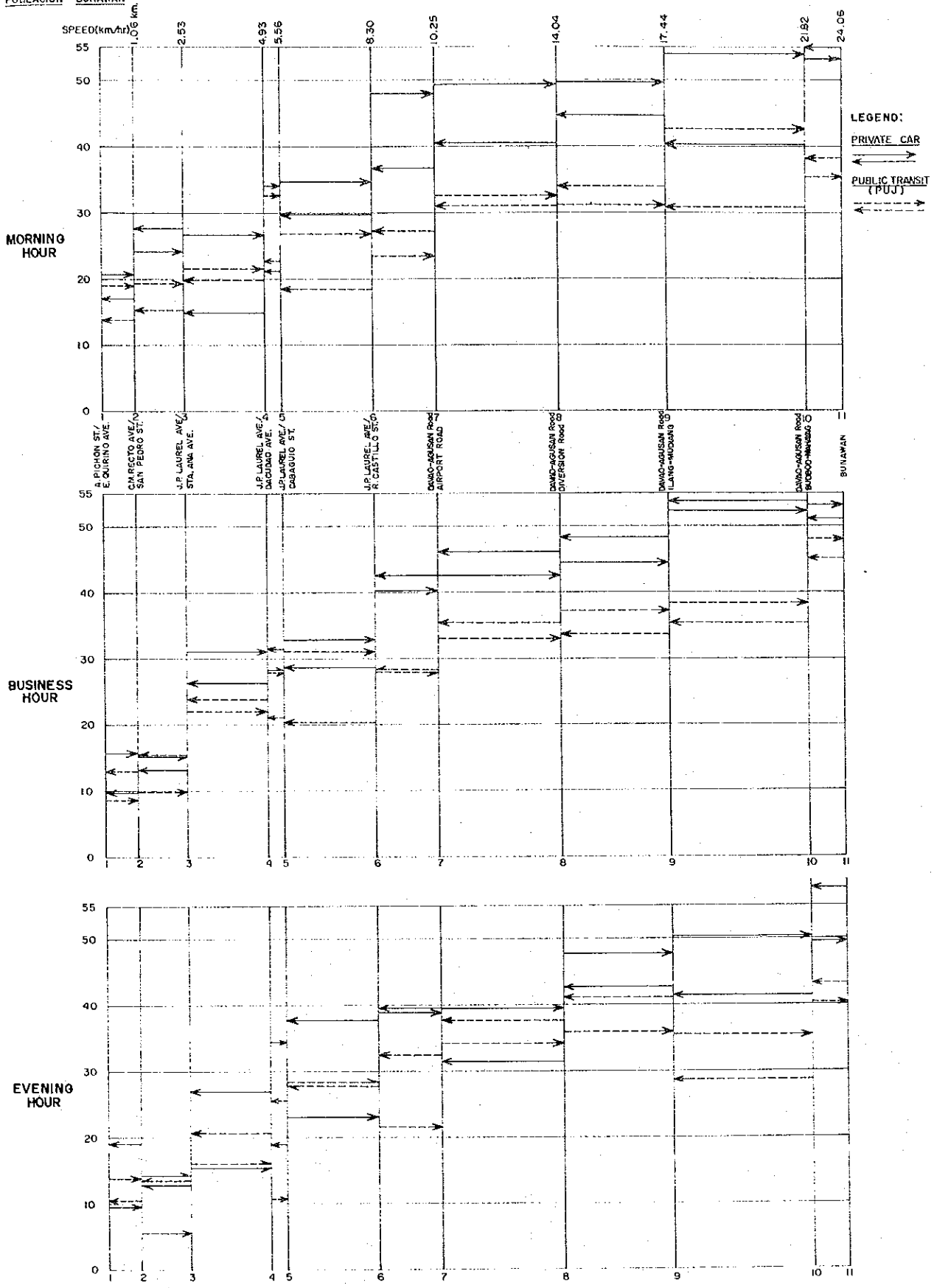
TRAVEL SPEED



ROUTE 2

POBLACION - BUNAWAN

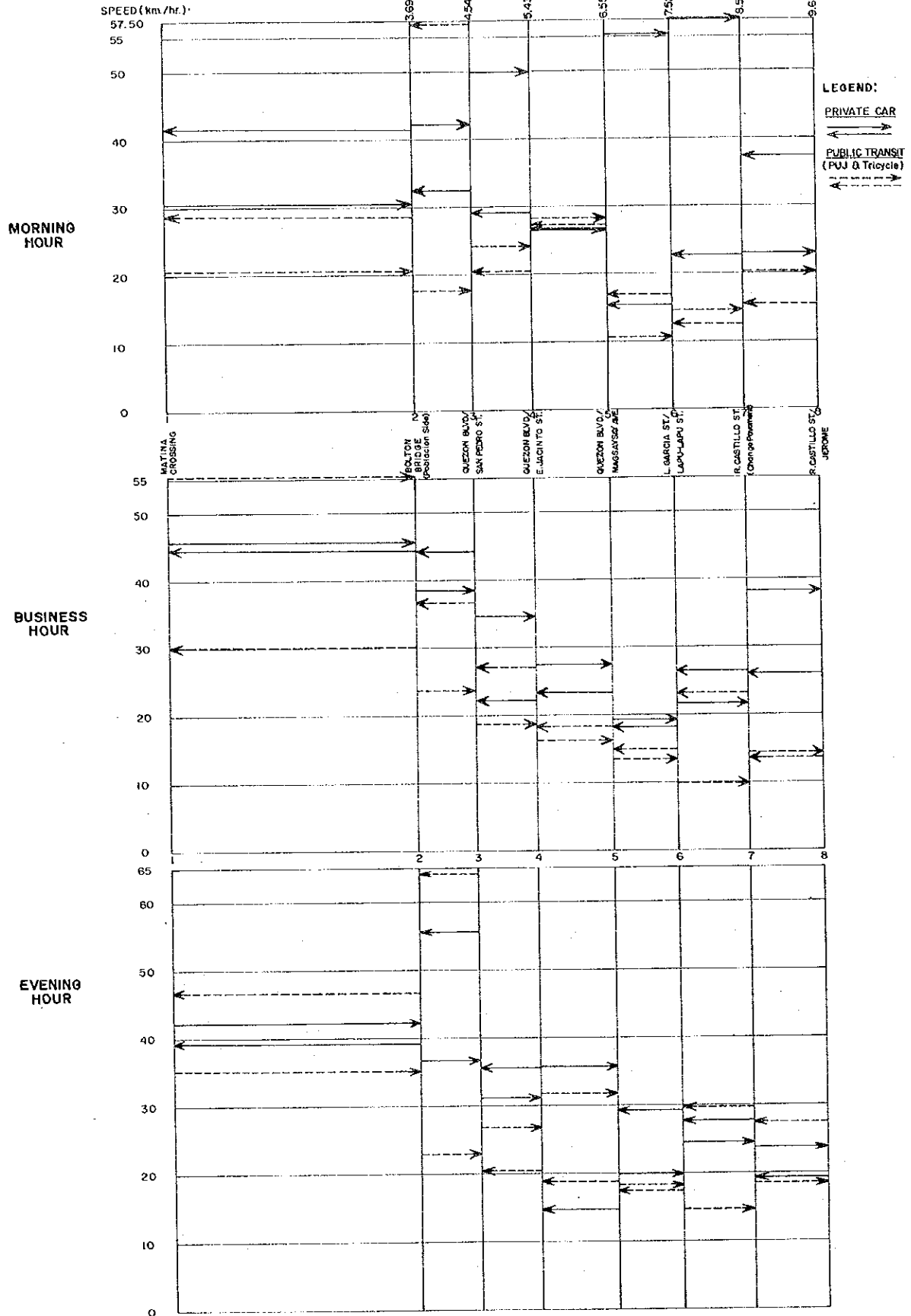
TRAVEL SPEED



ROUTE 3

TRAVEL SPEED

MATINA CROSSING - R. CASTILLO ST./JEROME

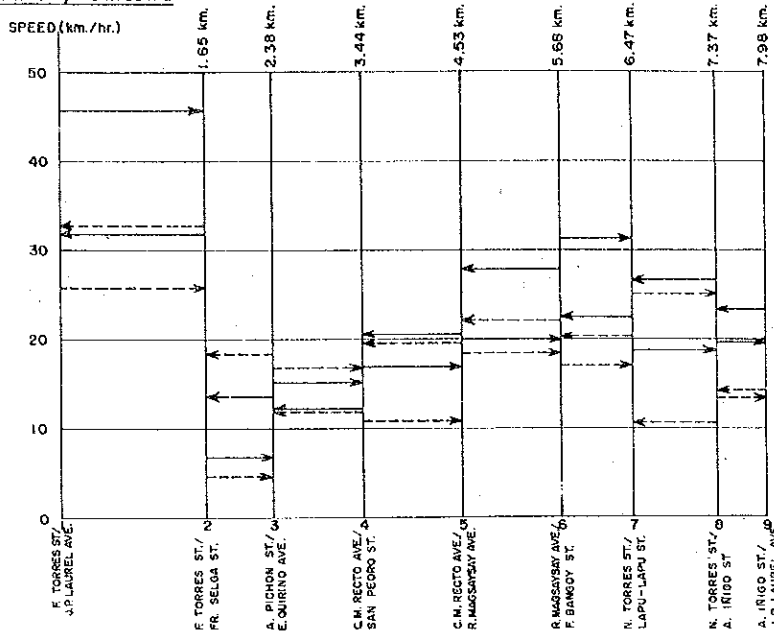


ROUTE 4

F. TORRES ST./J.P. LAUREL AVE. - A. IRIGO ST./J.P. LAUREL AVE.

TRAVEL SPEED

MORNING HOUR



LEGEND:

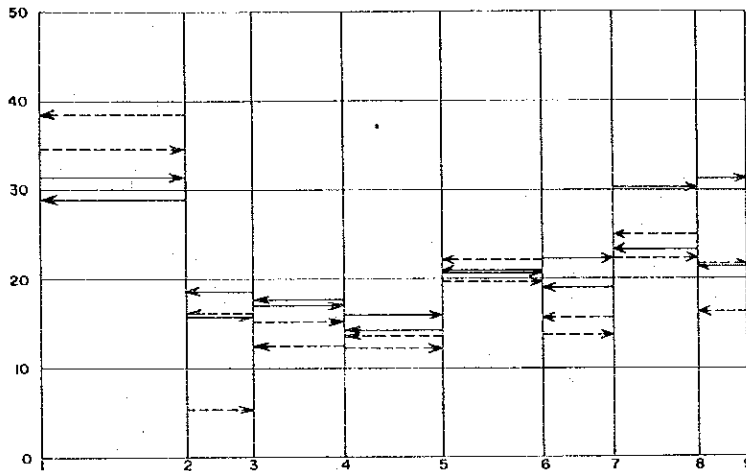
PRIVATE CAR

F. TORRES ST./ J.P. LAUREL AVE. → A. IRIGO ST./ J.P. LAUREL AVE.

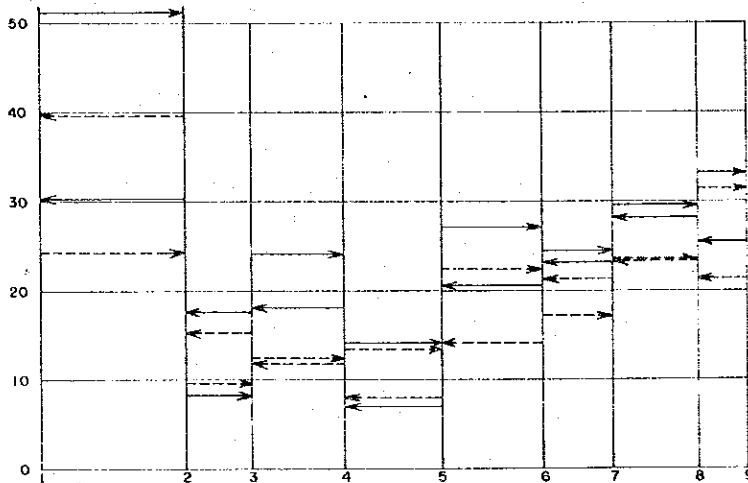
PUBLIC TRANSIT (PUJ & Tricycle)

F. TORRES ST./ J.P. LAUREL AVE. → A. IRIGO ST./ J.P. LAUREL AVE.

BUSINESS HOUR



EVENING HOUR

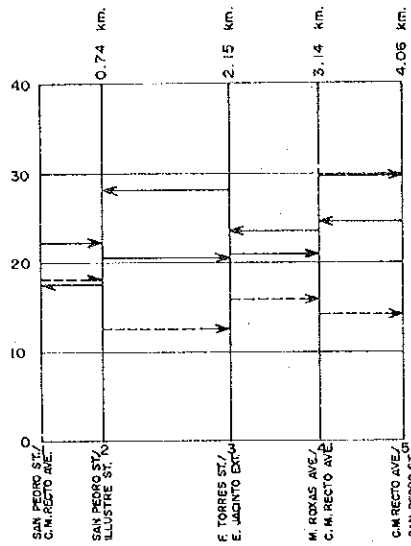


ROUTE 5

TRAVEL SPEED

SAN PEDRO ST./C.M.RECTO AVE. - C.M.RECTO AVE./SAN PEDRO ST

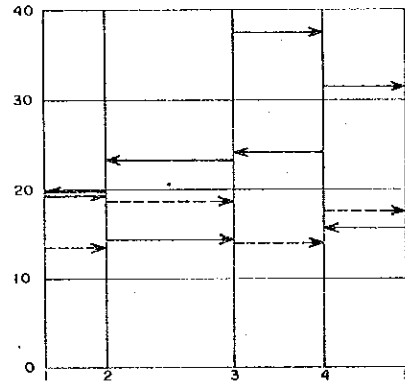
MORNING HOUR



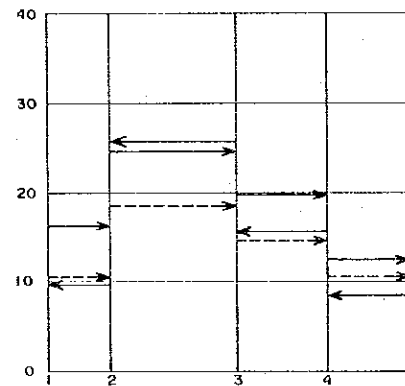
LEGEND:

- PRIVATE CAR
- - - PUBLIC TRANSIT (AC)

BUSINESS HOUR



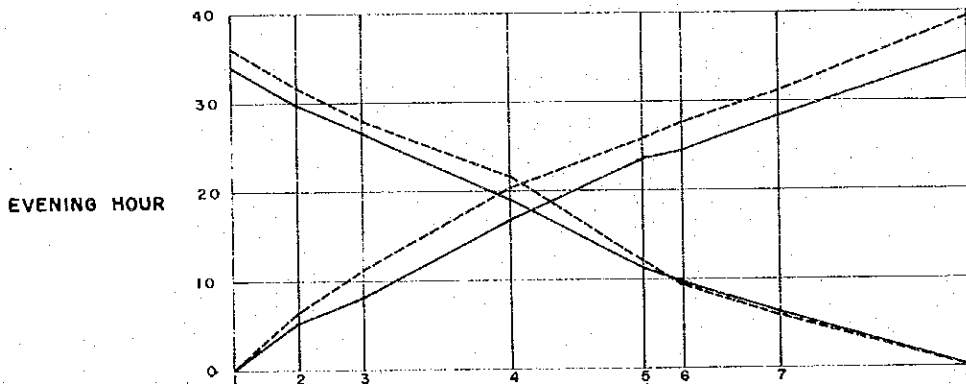
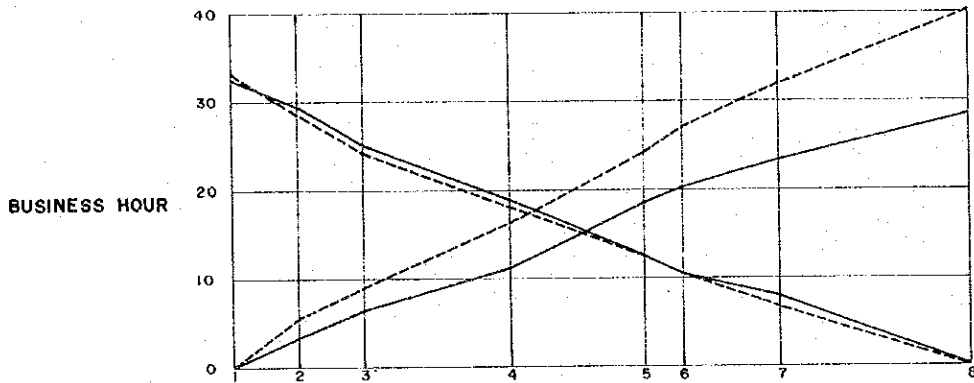
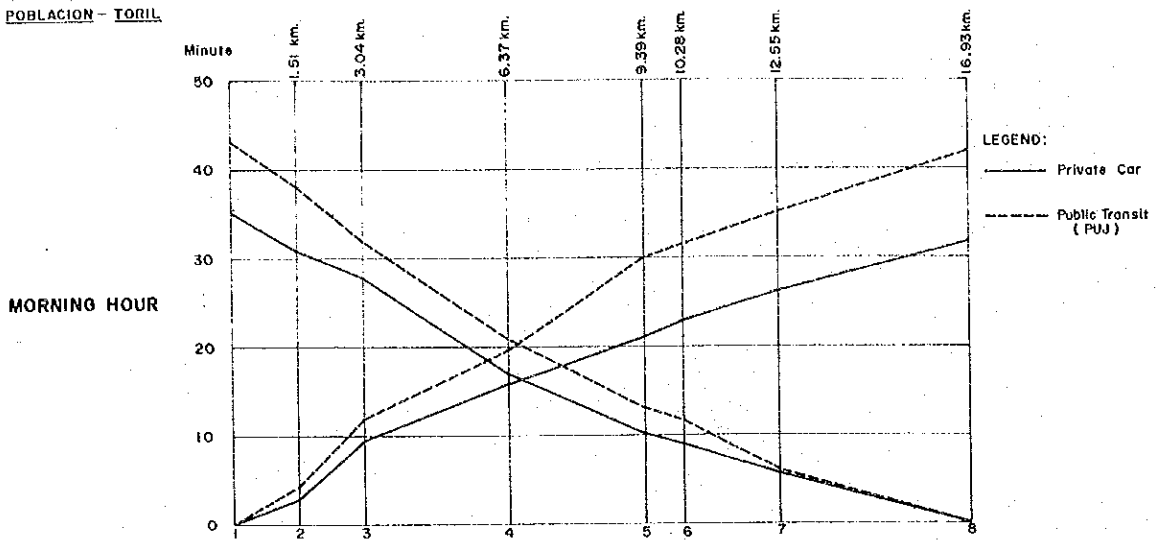
EVENING HOUR



ROUTE 1

TRAVEL TIME

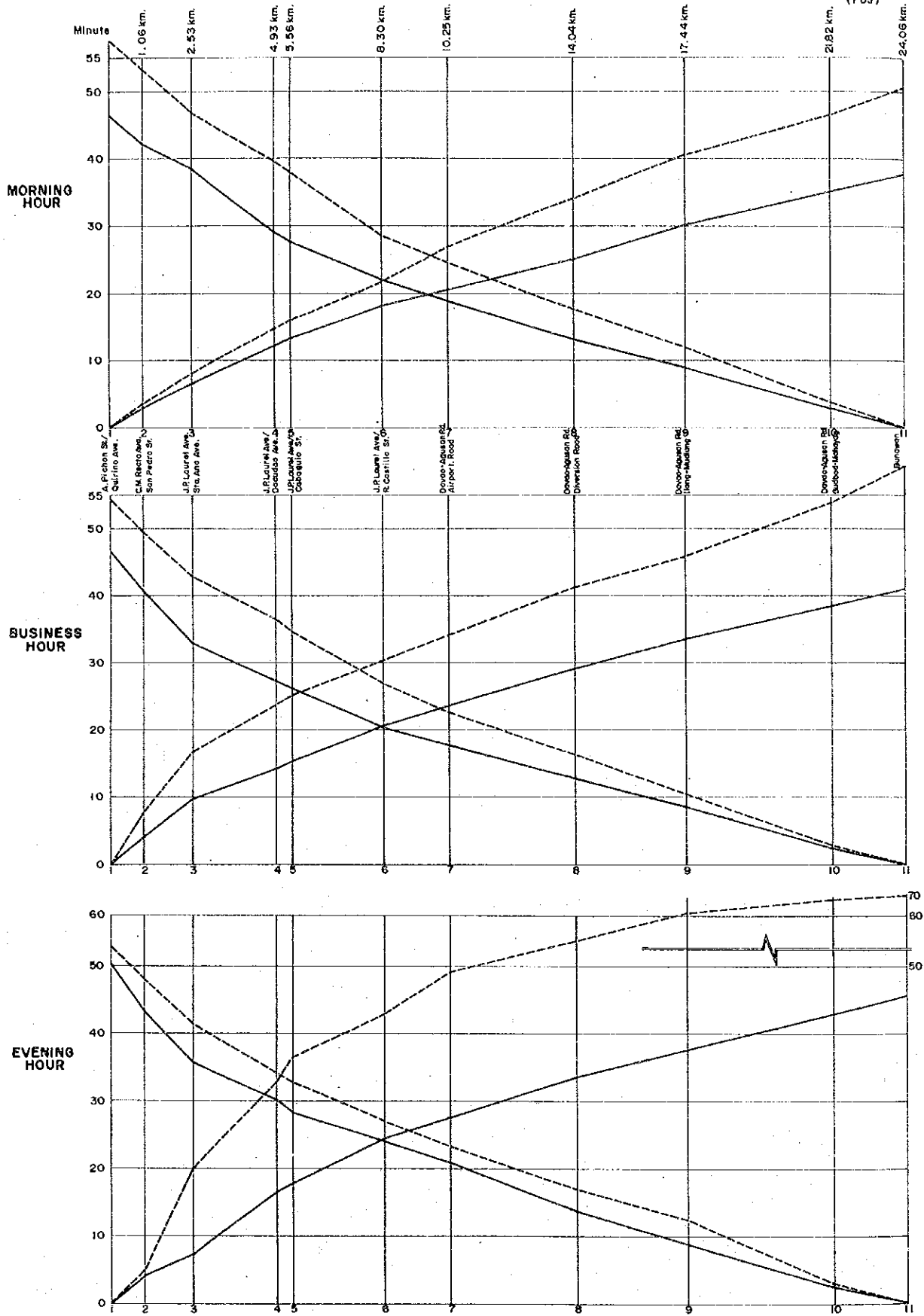
POBLACION - TORIL



ROUTE 2
POBLACION - BUNAWAN

TRAVEL TIME

LEGEND:
 - Private Car
 - Public Transit (PUJ)

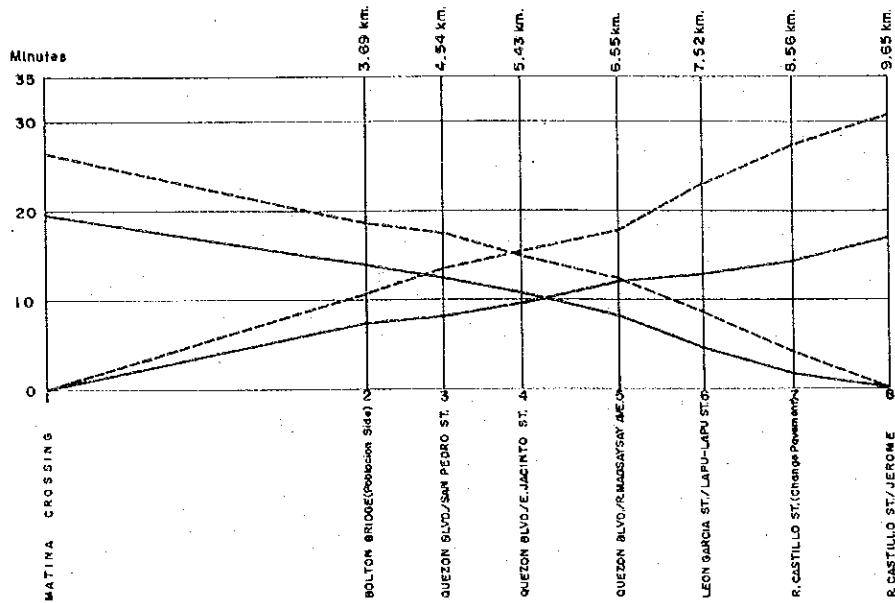


ROUTE 3

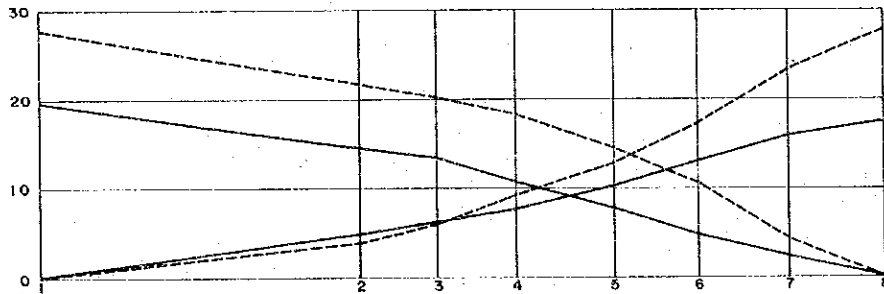
MATINA CROSSING - R. CASTILLO ST./JEROME

TRAVEL TIME

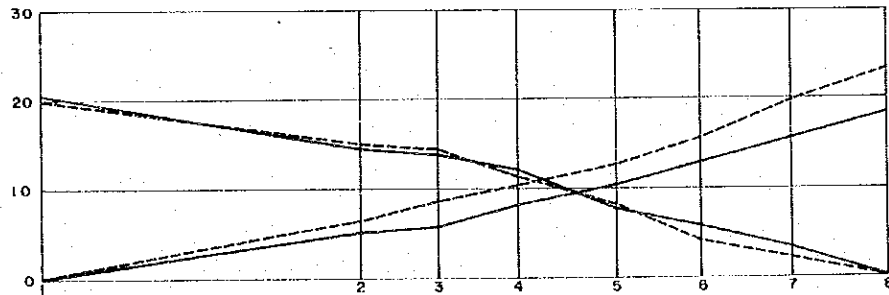
MORNING HOUR



BUSINESS HOUR



EVENING HOUR



LEGEND:

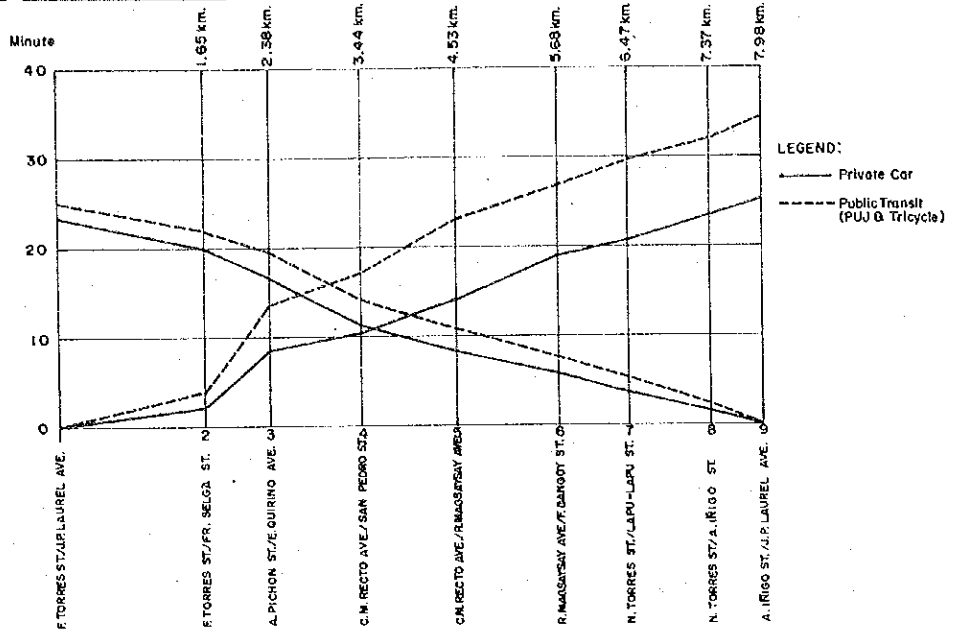
- Private Car
- - - Public Transit (PUJ & Tricycle)

ROUTE 4

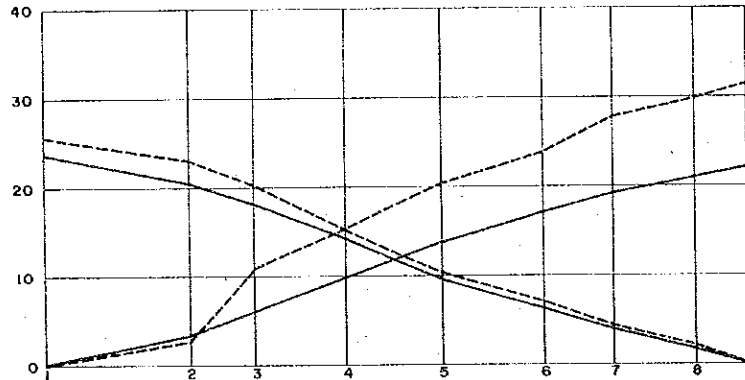
TRAVEL TIME

F. TORRES ST./J.P. LAUREL AVE. - A. IRIGO ST./J.P. LAUREL AVE.

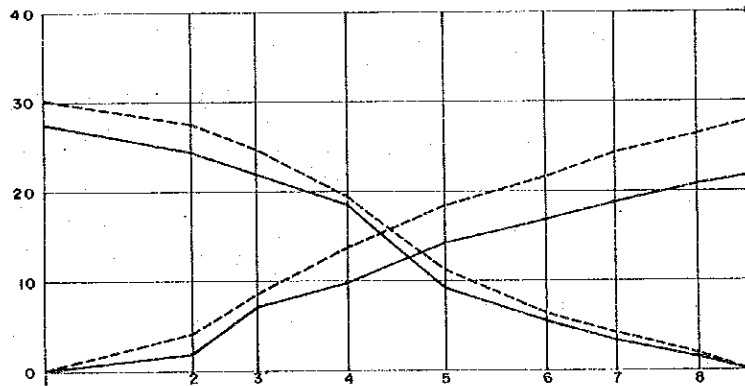
MORNING HOUR



BUSINESS HOUR



EVENING HOUR

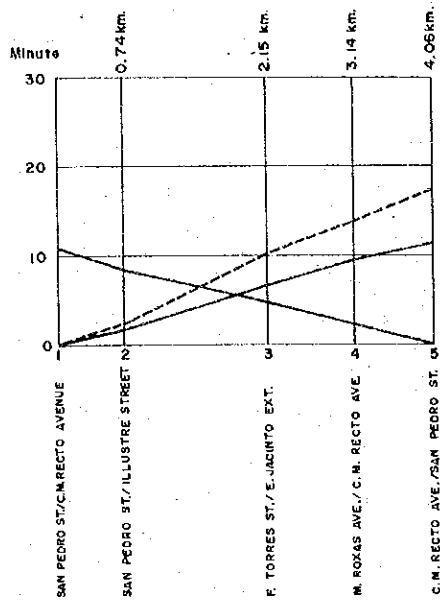


ROUTE 5

TRAVEL TIME

SAN PEDRO ST./C.M.RECTO AVE. - C.M.RECTO AVE./SAN PEDRO ST.

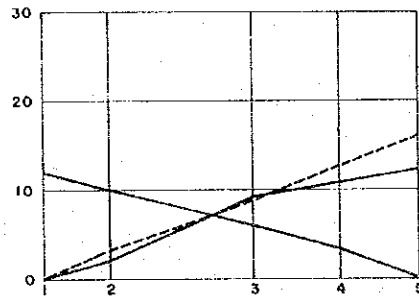
MORNING HOUR



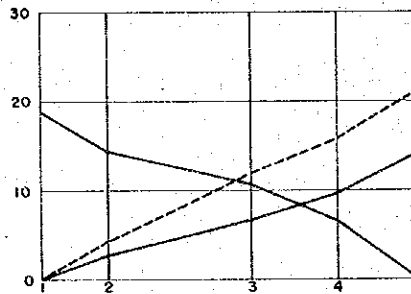
LEGEND:

- Private Car
- - - Public Transit (AC)

BUSINESS HOUR



EVENING HOUR



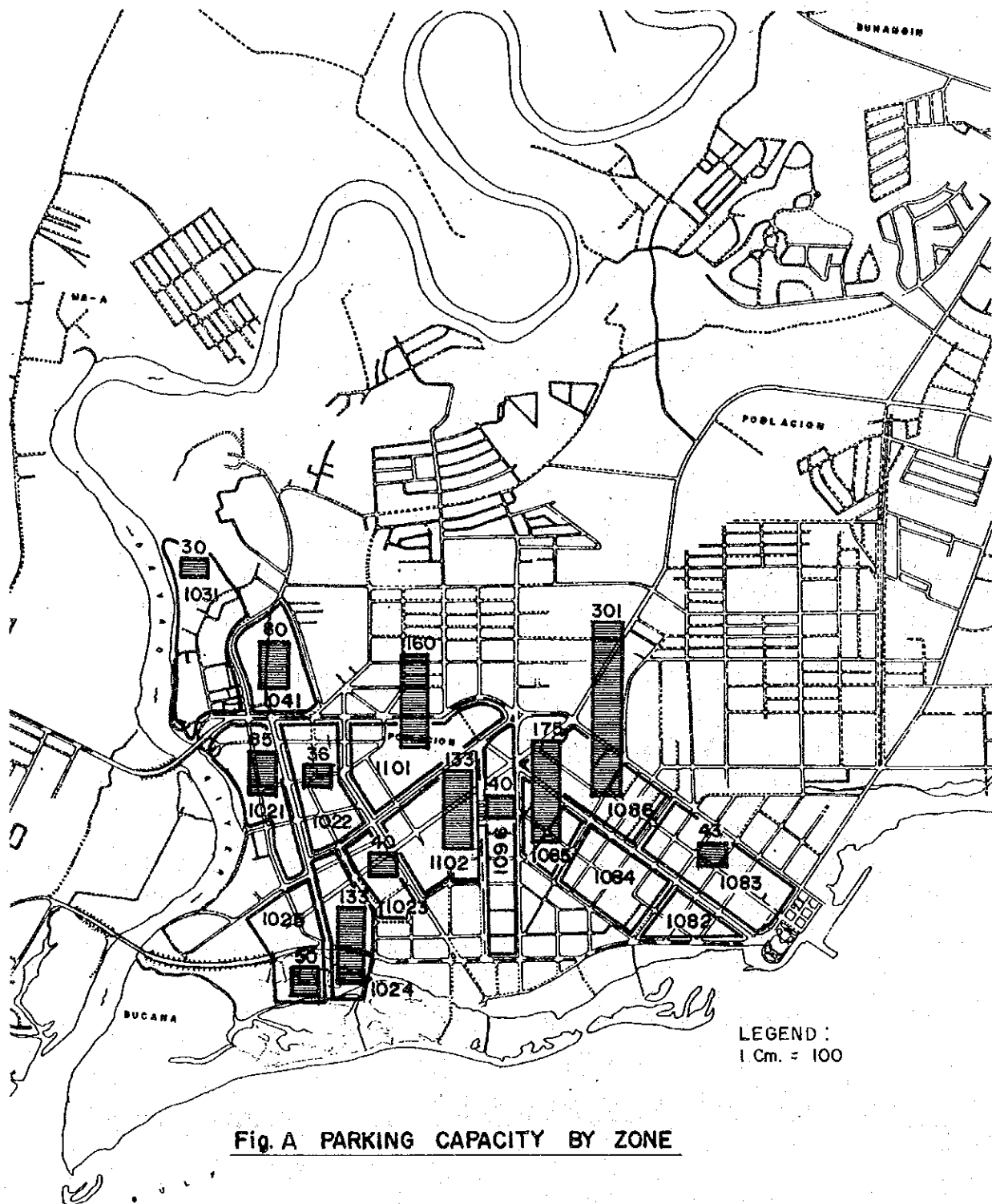
CAUSE OF DELAY

CAUSE OF DELAY	P R I V A T E						P U B L I C					
	No. of Slow Down & Stop	(1) No. of Stop	Total (2) Stop Time	(2) / (1)	No. of Slow Down & Stop	(1) No. of Stop	Total (2) Stop Time	(2) / (1)	No. of Slow Down & Stop	(1) No. of Stop	Total (2) Stop Time	(2) / (1)
1) SIGNAL	93 (8.5)	64 (52.0)	53'48" (69.3)	0'50"	71 (4.2)	62 (10.2)	48'33" (23.0)	0'47"				
2) RIGHT TURN	44 (4.0)	-	-	-	21 (1.2)	2 (0.3)	0'20" (0.2)	0'10"				
3) LEFT TURN	80 (7.3)	6 (4.9)	2'08" (2.8)	0'21"	43 (2.5)	3 (0.5)	0'42" (0.3)	0'14"				
4) VEHICLE CROSSING	369 (33.5)	33 (26.8)	11'24" (14.7)	0'21"	213 (12.6)	15 (2.5)	5'34" (2.6)	0'22"				
5) PEDESTRIAN	125 (11.4)	3 (2.4)	0'33" (0.7)	0'11"	110 (6.5)	2 (0.3)	0'19" (0.2)	0'11"				
6) PARKED VEHICLE	108 (9.8)	1 (0.8)	1'30" (1.9)	1'30"	48 (2.8)	2 (0.3)	0'26" (0.2)	0'13"				
7) LOADING AND UNLOADING (ANOTHER VEHICLE)	188 (17.1)	2 (1.7)	0'45" (1.0)	0'23"	300 (17.7)	12 (2.0)	3'22" (1.7)	0'18"				
8) LOADING AND UNLOADING (TEST CAR)	-	-	-	-	804 (47.5)	496 (81.3)	144'50" (63.5)	0'18"				
9) LOADING AND UNLOADING BAGGAGE	1 (0.1)	-	-	-	8 (0.5)	-	-	-				
10) TRAFFIC ACCIDENT	5 (0.5)	-	-	-	7 (0.4)	-	-	-				
11) VEHICULAR TROUBLE	12 (1.1)	-	-	-	7 (0.4)	1 (0.2)	1'40" (0.8)	0'50"				
12) ROAD SURFACE	49 (4.5)	3 (2.4)	0'32" (0.7)	0'11"	25 (1.5)	1 (0.2)	0'10" (0.1)	0'10"				
13) ROAD CONSTRUCTION OR MAINTENANCE	20 (1.8)	9 (7.3)	5'29" (7.1)	0'37"	32 (1.9)	12 (2.0)	3'56" (1.9)	0'20"				
14) PARADE	-	-	-	-	-	-	-	-				
TOTAL	1,093	123	77'37"	0'38"	1,689	610	211'33"	0'21"				

() : 8

SELECTED DATA-4.4

PARKING SURVEY



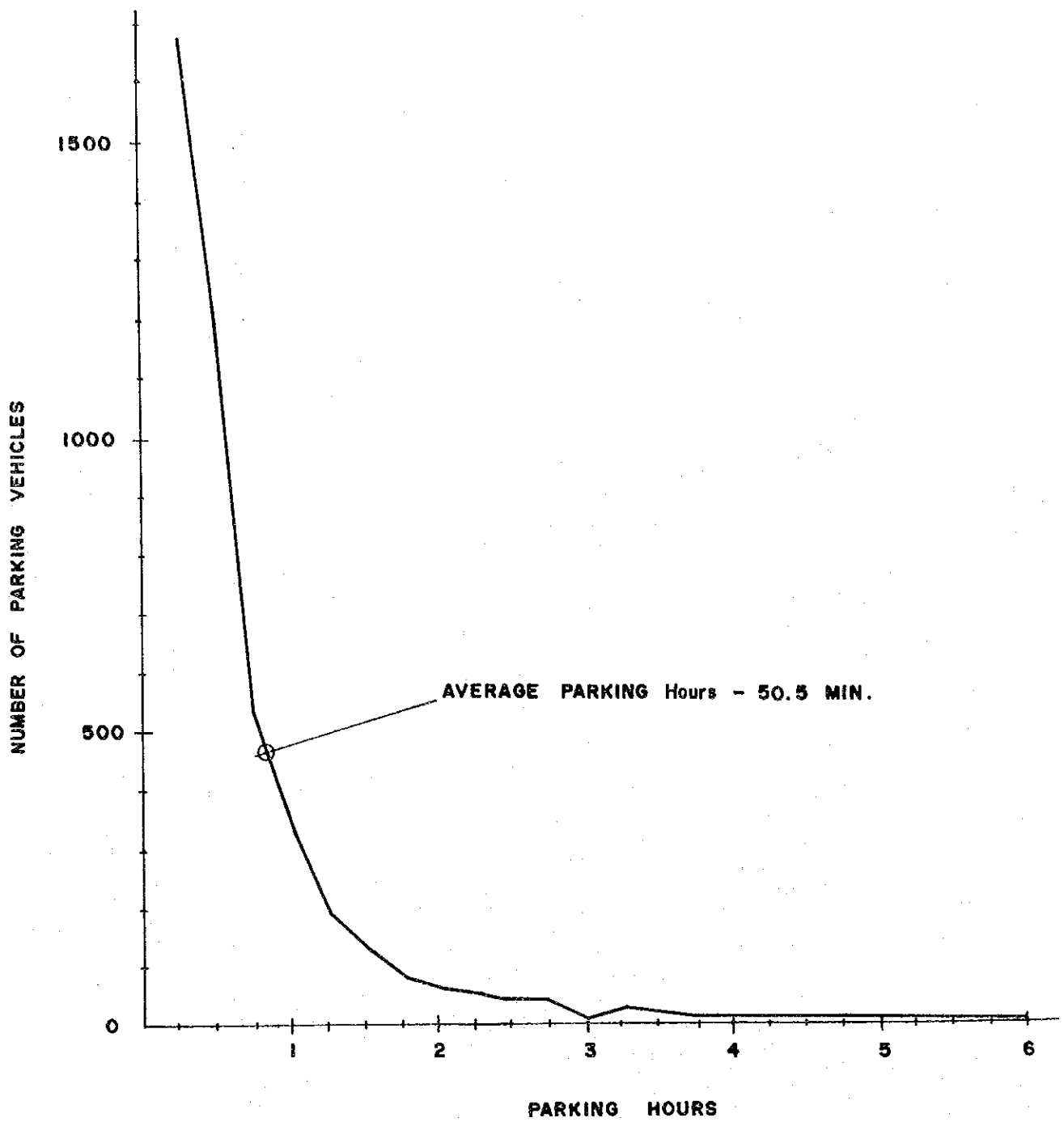


Fig. B NUMBER OF PARKING VEHICLES BY PARKING HOURS

Table A On-Street Parking
A. PICHON STREET: RIGHT SIDE FROM E. QUIRINO

Unit: Vehicle X Hour

TIME	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	TOTAL
	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	
Quirino ave.	4.3	6.8	6.8	9.3	5.0	3.3	7.0	6.5	9.5	4.8	6.0	3.5	72.5
BLOCK 1 (260m)													
P. Pelayo st.	5.0	3.5	3.0	3.3	4.0	2.3	4.8	11.8	13.8	12.5	9.5	6.8	80.0
BLOCK 2 (140m)													
P. Inigo st.	10.5	22.8	38.0	50.5	37.5	28.8	13.5	13.8	16.3	18.0	17.3	8.0	274.8
BLOCK 3 (210m)													
C. Bangoy st.	4.0	10.0	10.3	11.5	8.8	0.0	7.3	10.5	12.8	17.5	11.8	7.0	111.3
BLOCK 4 (210m)													
C.M. Recto ave.													
TOTAL	23.8	43.0	58.0	74.5	55.3	34.3	32.5	42.5	52.3	52.8	44.5	25.3	538.5

Table B On-Street Parking

A. PICHON STREET: LEFT SIDE FROM E. QUIRINO

UNIT: Vehicle X Hour

TIME	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	TOTAL
	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	
Quirino ave.													
BLOCK 1 (260m)	3.0	5.3	7.8	9.8	7.3	5.8	9.3	9.0	10.0	6.3	9.8	3.5	86.5
P. Pelayo st.													
BLOCK 2 (140m)	1.3	9.8	8.0	5.5	5.0	0.0	4.3	12.8	16.0	14.3	12.3	11.5	10.5
P. Inigo st.													
BLOCK 3 (210m)	1.5	11.8	9.5	6.5	6.0	0.0	21.3	15.8	14.5	12.5	12.3	9.0	120.5
C. Bangoy st.													
BLOCK 4 (210m)	5.0	4.8	8.3	7.0	4.8	0.0	9.3	10.3	13.8	11.8	9.0	3.0	86.8
C. M. Recto ave.													
TOTAL	10.8	31.5	33.5	28.8	23.0	5.8	44.0	47.8	54.3	44.8	43.3	27.0	394.8

Table C On-Street Parking
 SAN PEDRO STREET: RIGHT SIDE FROM E. QUIRINO

UNIT: Vehicle X Hour

TIME	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	TOTAL
	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	
E. Quirino ave.													
BLOCK 1 (100m)	0.0	0.5	1.5	2.0	1.0	0.3	4.3	11.0	10.8	6.0	2.5	2.0	41.8
C.R. Ilustre													
BLOCK 2 (150m)	2.3	1.3	3.5	2.5	0.5	1.8	2.0	4.8	4.0	3.5	7.3	7.0	40.3
P. Pelayo st.													
BLOCK 3 (130m)	1.8	1.3	3.8	4.0	3.3	3.0	3.5	8.3	6.8	5.8	12.3	11.8	29.5
P. Ifigo st.													
BLOCK 4 (150m)	2.8	2.0	6.3	6.5	5.3	5.0	16.8	15.0	13.5	11.3	10.3	12.3	106.8
C. Bangoy st.													
BLOCK 5 (130m)													
C.M. Recto ave.													
BLOCK 6 (180m)	2.5	2.3	3.8	1.3	1.8	1.5	2.3	2.8	4.5	0.0	0.3	1.3	24.0
TOTAL	8.5	8.3	17.5	16.8	11.5	11.8	28.0	42.0	36.8	27.5	34.8	38.3	282.0

Table D On-Street Parking

SAN PEDRO STREET: LEFT SIDE FROM E. QUIRINO

TIME	UNIT : Vehicle X Hour												TOTAL				
	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00					
Quirino ave.																	
BLOCK 1 (100m)	1.3	5.5	9.5	10.3	9.3	2.5	10.8	14.3	19.5	21.0	14.0	8.5					126.3
C.R. Ilustre st.																	
BLOCK 2 (150m)	2.8	9.5	21.5	18.6	12.3	12.6	18.3	16.3	17.8	15.8	16.6	17.0					179.3
P. Pelayo st.																	
BLOCK 3 (130m)																	
P. Iñigo st.																	
BLOCK 4 (150m)	16.0	35.5	43.0	47.8	33.5	27.5	22.3	30.8	35.5	37.3	38.8	31.5					399.5
C. Bangoy st																	
BLOCK 5 (130m)	2.5	4.8	9.0	10.5	10.3	2.5	2.8	8.5	9.5	8.3	7.0	5.3					80.8
C.M. Recto ave.																	
BLOCK 6 (180m)	2.5	2.3	3.8	1.3	1.8	1.5	2.3	2.8	4.5	0.0	0.3	1.3					24.0
M. Quezon Blvd.																	
TOTAL	25.0	57.5	96.8	98.5	67.0	46.8	56.3	72.5	86.8	82.3	76.8	63.5					809.8

Table E On - Street Parking
C.M. RECTO AVE : RIGHT SIDE FROM SAN PEDRO

UNIT : Vehicle X Hour

TIME	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	TOTAL
	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	
San Pedro st.													
BLOCK 1 (170m)	0.5	3.0	10.5	6.3	7.3	3.5	4.5	4.0	3.0	5.3	3.0	3.5	54.3
J. Rizal st.													
BLOCK 2 (170m)	0.5	1.3	11.8	3.0	4.0	2.5	1.8	1.5	1.3	2.0	1.3	1.3	20.8
A. Bonifacio st.													
BLOCK 3 (110m)	0.8	3.3	4.3	3.5	3.8	1.0	6.0	6.0	2.0	3.0	5.8	5.0	44.3
Palmagil st.													
BLOCK 4 (170m)	0.5	2.0	1.5	5.0	2.0	0.0	4.0	4.0	1.3	2.0	4.0	3.5	29.8
M. Roxas ave.													
BLOCK 5 (170m)	2.5	2.8	3.5	6.3	2.3	0.3	3.0	3.5	3.0	2.8	2.0	0.8	33.3
R. Magsaysay ave.													
BLOCK 6 (110m)	0.8	0.0	0.3	0.8	0.3	0.0	0.5	1.0	0.3	0.5	1.5	4.8	10.5
Sta. Ana ave.													
BLOCK 7 (260m)	3.5	9.0	6.3	13.8	11.5	9.3	8.0	4.0	2.0	3.8	8.0	4.5	83.5
TOTAL	9.0	21.3	26.8	38.5	31.0	16.5	27.8	24.0	12.8	19.3	25.5	23.3	276.3

Table F On-Street Parking
C.M. RECTO AVE : LEFT SIDE FROM SAN PEDRO

UNIT : Vehicle X Hour

TIME	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	TOTAL
	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	
San Pedro st.													
BLOCK 1 (170m)	2.3	2.8	3.3	4.0	3.5	0.8	0.8	8.5	7.0	6.8	7.5	8.0	55.0
J. Rizal st.													
BLOCK 2 (170m)	3.3	5.0	10.5	9.5	6.3	3.5	4.8	4.3	5.0	4.5	6.8	4.5	67.8
A. Bonifacio st.													
BLOCK 3 (110m)	2.3	2.0	2.5	1.3	0.8	0.8	1.0	1.0	1.0	1.0	1.5	1.0	15.0
Palmagili st.													
BLOCK 4 (170m)	0.3	1.5	8.3	9.8	12.5	3.5	2.0	3.0	3.5	1.5	1.5	0.0	47.3
M. Roxas ave.													
BLOCK 5 (170m)	0.0	1.3	2.5	6.5	4.5	3.3	4.3	6.8	6.5	6.0	5.5	4.8	52.0
R. Magsaysay ave.													
BLOCK 6 (110m)	2.5	3.5	1.8	0.3	0.5	0.0	0.3	0.0	1.0	0.0	0.5	1.0	11.0
Sta. Ana ave.													
BLOCK 7 (260m)	8.0	13.5	19.3	17.8	21.3	15.0	23.0	17.3	16.5	20.0	16.3	11.8	203.5
TOTAL	18.5	29.5	47.0	49.0	49.3	26.8	36.0	40.8	42.5	39.8	41.3	31.0	

Table G On-Street Parking
 C.BANGOY STREET : RIGHT SIDE FROM SAN PEDRO

TIME	UNIT: Vehicle X Hour												TOTAL
	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	
San Pedro st.													
BLOCK 1 (130m)	0.0	0.0	0.0	0.3	2.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
J. Rizal st.													
BLOCK 2 (250m)	4.8	9.0	14.3	10.5	6.3	4.3	5.0	7.0	7.0	9.3	11.5	10.0	98.8
A. Bonifacio st.													
BLOCK 3 (200m)	7.0	6.0	7.3	10.5	11.8	9.5	5.3	4.5	4.3	7.5	6.3	7.5	87.3
Palmejal st.													
BLOCK 4 (200m)	2.0	6.8	9.8	11.5	8.5	4.5	4.3	6.5	7.3	4.8	5.0	2.5	73.3
M. Roxas ave.													
TOTAL	13.8	21.8	31.3	32.8	28.8	19.3	14.5	18.0	18.5	21.5	22.6	20.0	

Table H On - Street Parking

C. BANGGOY STREET : LEFT SIDE FROM SAN PEDRO

TIME	UNIT: Vehicle X Hour												
	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	TOTAL
San Pedro st.													
BLOCK 1 (130m)	8.3	8.8	16.5	20.0	19.0	12.8	19.5	19.0	20.8	20.0	19.3	18.3	202.0
J. Rizal st													
BLOCK 2 (250m)	7.5	10.5	12.8	11.8	11.0	13.3	0.0	4.0	12.0	6.8	5.8	6.5	101.8
A. Bonifacio st.													
BLOCK 3 (200m)	0.8	1.5	2.3	4.8	3.5	3.8	2.0	3.8	4.3	2.3	4.5	5.3	38.5
Palmagil st.													
BLOCK 4 (200m)	1.8	3.0	5.8	8.0	6.3	3.3	6.5	5.3	5.8	5.8	6.5	2.5	60.3
M. Roxas ave.													
TOTAL	18.3	23.8	37.3	44.5	39.8	33.0	28.0	32.0	42.8	34.8	36.0	32.5	

Table I On - Street Parking
R. MAGSAYSAY AVE : RIGHT FROM C.M. RECTO

UNIT: Vehicle X Hour

TIME	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	TOTAL
	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	
C.M. Recto ave.													
BLOCK 1 (390m)	13.8	31.3	39.0	42.3	33.3	17.5	29.8	26.8	31.0	19.8	15.8	5.0	305.0
L.M. Guerrero st.													
BLOCK 2 (240m)	5.0	4.3	1.8	2.5	0.0	1.0	4.0	6.5	10.3	9.0	5.8	3.8	53.8
Suazo st.													
BLOCK 3 (230m)	1.3	2.5	4.5	3.0	6.5	1.3	5.5	9.3	14.3	12.5	8.3	5.3	74.0
B. Gempesaw st.													
BLOCK 4 (220m)	3.3	6.3	8.6	5.8	11.2	20.5	3.3	2.3	5.8	4.3	6.8	6.0	83.3
F. Bongoy st.													
BLOCK 5 (170m)	5.3	5.3	2.0	4.5	6.8	1.5	4.3	6.0	6.5	5.3	3.3	3.0	53.8
M. Quezon Blvd.													
TOTAL	28.5	49.5	55.3	58.0	57.8	41.8	46.8	50.8	67.8	50.8	39.8	23.0	569.8

Table J On-Street Parking

R. MAGSAYSAY AVE: LEFT FROM C.M.RECTO

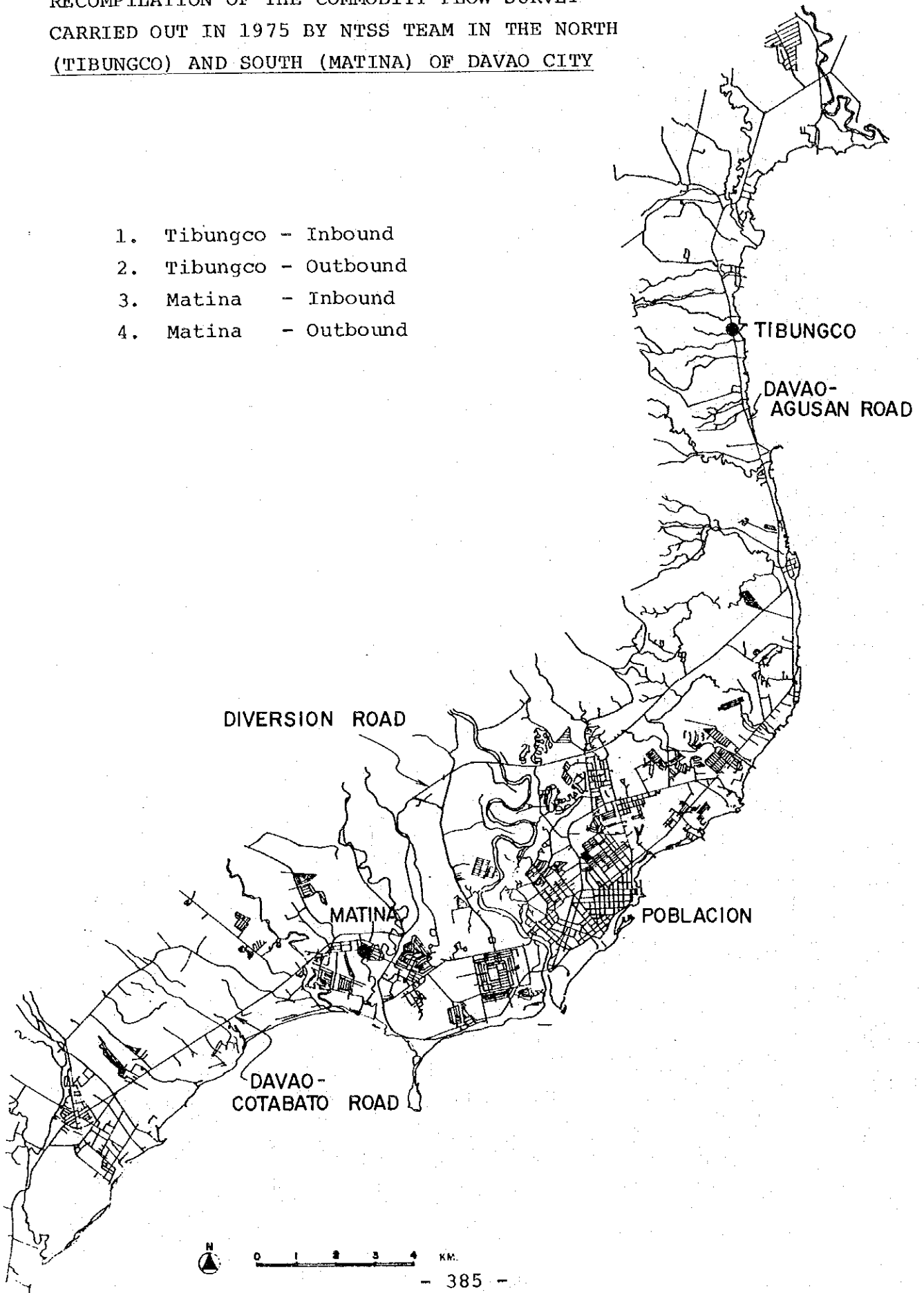
UNIT: Vehicle X Hour

TIME	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	TOTAL
	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	
C.M.Recto ave.	14.3	36.5	44.0	49.8	30.3	9.8	37.8	42.0	43.3	36.5	28.8	17.0	389.8
BLOCK 1 (390m)													
L.M.Guerrero st.	4.3	12.3	9.3	10.5	9.5	6.8	10.8	12.0	12.3	10.5	8.3	4.8	111.0
BLOCK 2 (240m)													
Suazo st.	5.3	7.5	8.8	9.3	13.3	2.5	13.3	16.3	20.3	17.5	13.8	7.8	135.3
BLOCK 3 (230m)													
B. Gempesaw st.	7.8	15.5	23.8	40.3	40.0	8.8	13.3	12.5	12.5	11.3	9.3	6.0	200.8
BLOCK 4 (220m)													
F. Bangey st.	3.0	3.5	2.8	6.5	8.5	4.3	6.8	4.3	6.3	2.8	4.8	4.0	59.3
BLOCK 5 (170m)													
Quezen Blvd.	34.5	75.3	88.5	116.3	101.5	32.0	81.8	87.0	96.5	78.5	64.8	39.5	896.0
TOTAL													

SELECTED DATA-4.5

RECOMPILATION OF THE COMMODITY FLOW SURVEY
CARRIED OUT IN 1975 BY NTSS TEAM IN THE NORTH
(TIBUNGCO) AND SOUTH (MATINA) OF DAVAO CITY

1. Tibungco - Inbound
2. Tibungco - Outbound
3. Matina - Inbound
4. Matina - Outbound



Station: Tibungco

Direction: Inbound

Goods - Items	Tons/day Carried by:			No. of Vehicles/day			Main Origins (Destinations)
	Van/Pick-up	L. Truck	H. Truck	Van/Pick-up	L. Truck	H. Truck	
1. Palay	1	131	-	6	19	-	25
2. Rice	23	23	-	28	11	-	39
3. Unmilled Corn	6	58	-	11	11	-	22
4. Milled Corn	37	9	-	51	5	-	56
5. Other Cereals	-	44	-	4	7	-	7
6. Fresh Fruits and Vegetables	101	156	819	210	35	59	304
7. Coconut and Copra	67	1,108	17	62	203	1	266
8. Fresh Fish & Other Marine Products	7	-	-	11	-	-	11
9. Livestock and Poultry	28	17	-	62	9	-	71
10. Abaca & other Abaca Products	3	103	-	6	21	1	28
11. Tobacco	-	-	-	-	-	-	-
12. Sugar Cane	-	-	-	-	-	-	-
13. Logs & other Forest Products	17	379	26	45	79	3	127
14. Other Agricultural Commodities	-	-	-	-	-	-	-
15. Processed Foods	5	11	-	17	7	-	24

Station:

Direction:

Goods - Items	Tons/day Carried by:		No. of Vehicles/day		Main Origins (Destinations)				
	Van/Pick-up	L. Truck	H. Truck	Total		Van/Pick-up	L. Truck	H. Truck	Total
16. Sugar and Sugar Products	6	-	-	6	Davao del Sur	6	-	-	6
17. Animal Feeds	45	52	-	97	Davao del Sur, Davao del Norte, Davao Oriental	57	14	-	71
18. Beverage	11	24	14	49	Davao del Sur & Davao del Sur	6	7	1	14
19. Tobacco Products	-	-	-	-	Davao del Norte & Agusan del Sur	-	-	-	-
20. Cement	2	8	-	10	Davao del Norte & Agusan del Sur	6	-	1	7
21. Processed Timber	6	332	12	350	Davao del Sur, Davao del Norte & Davao Oriental	11	83	3	97
22. Chemical Products	8	7	-	15	Davao del Norte, Davao Oriental & Davao del Sur	28	7	-	35
23. Paper Products	-	-	-	-	Davao del Norte, Davao del Sur & Davao Oriental	-	-	-	-
24. Empty Containers	38	247	12	297	Davao del Norte, Davao del Sur & Davao Oriental	28	41	4	73
25. Washing & Cleaning Products	5	-	-	5	Davao del Norte, Davao del Sur & Davao Oriental	17	-	-	17
26. Fertilizers	-	15	-	15	Surigao del Sur	-	2	-	2
27. Non-Metal Construction Materials	6	121	-	127	Davao del Norte, Davao del Sur & Davao Oriental	6	16	-	22
28. Minerals	-	2,520	-	2,520	Davao del Sur & Davao del Norte	-	238	-	238
29. Petroleum Products	21	5	-	26	Davao del Norte, Agusan del Sur & Davao Oriental	28	4	-	32
30. Metal & Metal Manufactures	-	11	-	11	Davao del Sur	-	2	-	2

(Cont'd.)

Station:

Direction:

Goods - Items	Tons/day Carried by:		No. of Vehicles/day		Main Origins (Destinations)				
	Van/Pick-up	L. Truck	H. Truck	Total		Van/Pick-up	L. Truck	H. Truck	Total
31. Machinery & Transport Equipment	-	32	-	32	-	7	-	7	Davao del Norte, Davao Oriental & Agusan del Sur
32. Electrical & Mechanical Appliances	4	1	-	5	23	2	-	25	Davao del Norte, Agusan del Sur & Davao del Sur
33. Textiles & Wearing Apparels	3	-	-	3	28	4	-	32	Davao del Norte, Davao del Sur & Davao Oriental
34. Other Industrial Products	1	-	-	1	34	-	-	34	Davao del Norte, Davao del Sur & Davao Oriental
T O T A L	434	5,414	891	6,765	786	834	72	1,694	

Station: Tibungoo

Direction: Outbound

Goods - Items	Tons/day Carried by:			No. of Vehicles/day			Main Origins (Destinations)		
	Van/Pick-up	L. Truck	H. Truck	Total	Van/Pick-up	L. Truck		H. Truck	Total
1. Palay	1	22	-	23	2	3	-	5	Davao del Sur
2. Rice	14	80	14	108	24	14	1	39	-do-
3. Ummilled Corn	13	40	-	53	13	11	-	24	-do-
4. Milled Corn	2	40	-	42	2	8	-	10	-do-
5. Other Cereals	-	-	-	-	-	-	-	-	-
6. Fresh Fruits and Vegetables	6	167	6	179	26	23	1	50	Davao del Sur & Surigao del Sur
7. Coconut and Copra	4	7	-	11	2	1	-	3	Davao del Sur
8. Fresh Fish & Other Marine Products	6	4	-	10	24	6	-	30	Davao del Sur & South Cotabato
9. Livestock and Poultry	3	1	-	4	5	2	-	7	Davao del Sur
10. Abaca and Abaca Products	-	-	-	-	-	-	-	-	-
11. Tobacco	-	-	-	-	-	-	-	-	-
12. Sugarcane	-	-	-	-	-	-	-	-	-
13. Logs & Other Forest Products	1	9	-	10	5	3	-	8	Davao del Sur & South Cotabato
14. Other Agricultural Commodities	-	1	0	1	2	2	-	4	Davao del Sur & South Cotabato
15. Processed Foods	39	49	8	96	163	65	1	229	Davao del Sur & Surigao del Sur
16. Sugar and Sugar Products	1	1	-	2	13	2	-	15	Davao del Sur
17. Animal Feeds	15	6	-	21	5	4	-	9	Davao del Sur
18. Beverage	25	514	9	548	26	91	1	118	-do-
19. Tobacco Products	10	31	-	41	17	14	-	31	-do-
20. Cement	6	204	25	235	7	32	2	41	-do-

(cont'd.)

Station:

Direction:

Goods - Items	Tons/day Carried by:				No. of Vehicles/day				Main Origins (Destinations)
	Van/Pick-up	L. Truck	H. Truck	Total	Van/Pick-up	L. Truck	H. Truck	Total	
21. Processed Timber	35	161	1	197	28	34	1	63	Davao del Sur
22. Chemical Products	22	107	5	134	26	30	1	57	-do-
23. Paper Products	1	5	-	6	9	6	-	15	-do-
24. Empty Containers	2	33	8	43	15	16	1	32	-do-
25. Washing and Cleaning Products	3	23	-	26	40	17	-	57	-do-
26. Fertilizers	2	67	11	80	4	14	1	19	-do-
27. Non-Metal Construction Materials	1	3	-	4	2	2	-	4	-do-
28. Minerals	-	-	-	-	-	-	-	-	-
29. Petroleum Products	24	191	83	298	33	38	15	86	Davao del Sur
30. Metal and Metal Manufactures	21	31	-	52	26	22	-	48	-do-
31. Machinery & Transport Equipment	1	18	-	19	8	15	-	23	-do-
32. Electrical & Mechanical Appliances	3	1	-	4	16	3	-	19	-do-
33. Textile & Wearing Apparel	3	14	-	17	15	25	-	40	Davao del Sur
34. Other Industrial Products	6	10	1	17	48	22	1	71	-do-
TOTAL	270	1,840	171	2,281	606	524	26	1,157	

Station: Matina Direction: Inbound

Goods - Items	Tons/day Carried By:		No. of Vehicles/day		Total	Main Origins (Destinations)			
	Van/Pick-up	L. Truck	H. Truck	Total		Van/Pick-up	L. Truck	H. Truck	Total
1. Palay	5	186	16	207	6	29	1	36	Davao del Sur, Misamis Oriental & North Cotabato
2. Rice	17	170	1	188	14	23	2	39	Davao del Sur, North Cotabato, South Cotabato
3. Unmilled Corn	17	362	12	391	24	56	3	83	Bukidnon, Davao del Sur & North Cotabato
4. Milled Corn	7	55	1	63	9	10	1	20	Davao del Sur, Bukidnon & Misamis Oriental
5. Other Cereals	-	4	-	4	-	1	-	1	Davao del Sur
6. Fresh Fruits and Vegetables	48	258	1	307	100	55	3	158	Davao del Sur, Misamis Oriental & South Cotabato
7. Coconut & Copra	36	947	88	1,071	41	131	10	182	Davao del Sur, South Cotabato & North Cotabato
8. Fresh Fish & Other Marine Products	6	3	-	9	14	1	-	15	South Cotabato & Davao del Sur
9. Livestock and Poultry	25	33	4	62	31	9	2	42	Davao del Sur, North Cotabato & Bukidnon
10. Abaca and other Abaca Products	2	14	-	16	3	3	-	6	Davao del Sur
11. Tobacco	-	3	-	3	-	1	-	1	Davao del Sur
12. Sugar Cane	-	4	-	4	-	1	-	1	-80-

(cont'd.)

Station:

Direction:

Goods - Items	Tons/day Carried by:			No. of Vehicles/day			Main Origins (Destinations)		
	Van/Pick-up	L. Truck	H. Truck	Total	Van/Pick-up	L. Truck		H. Truck	Total
13. Logs and other Forest Products	1	99	77	177	5	25	11	41	Davao del Sur, Bukidnon & Misamis Oriental
14. Other Agricultural Commodities	-	22	-	22	1	4	-	5	North Cotabato & Davao del Sur
15. Processed Foods	5	28	-	33	9	17	-	26	Davao del Sur & Misamis Oriental
16. Sugar and Sugar Products	-	124	-	124	-	13	-	13	Davao del Sur, Bukidnon & Misamis Oriental
17. Animal Feeds	4	19	-	23	4	4	-	8	Davao del Sur, Bukidnon & Misamis Oriental
18. Beverage	11	1,129	148	1,288	13	195	15	223	Davao del Sur, Misamis Oriental & Bukidnon
19. Tobacco Products	1	-	-	1	3	1	-	4	Davao del Sur, Misamis Oriental & South Cotabato
20. Cement	-	17	26	43	-	3	2	5	Davao del Sur, Maguindanao
21. Processed Timber	1	47	31	79	1	14	5	20	Davao del Sur, Misamis Oriental & Bukidnon
22. Chemical Products	1	58	40	99	5	14	3	22	Davao del Sur, Misamis Oriental & South Cotabato
23. Paper Products	-	-	-	-	1	-	-	1	Davao del Sur
24. Empty Containers	1	69	-	70	6	14	-	20	Davao del Sur, North Cotabato & Bukidnon

(cont'd.)

Goods - Items	Tons/day Carried By:			No. of Vehicles/day			Main Origins (Destinations)		
	Van/Pick-up	L. Truck	H. Truck	Total	Van/Pick-up	L. Truck		H. Truck	Total
25. Washing & Cleaning Products	4	3	-	7	5	7	-	12	Davao del Sur & Misamis Oriental
26. Fertilizer	1	1	-	2	1	1	-	2	Davao del Sur & Maguindanao
27. Non-Metal Construction Materials	8	208	-	216	3	36	-	39	Davao del Sur & Misamis Oriental
28. Minerals	-	-	-	-	-	-	-	-	-
29. Petroleum Products	2	37	25	64	3	8	2	13	Davao del Sur & South Cotabato
30. Metal and Metal Manufactures	-	-	-	-	-	1	-	1	Misamis Oriental
31. Machinery and Transport Equipment	1	7	-	8	3	3	-	6	Davao del Sur, Misamis Oriental & Bukidnon
32. Electrical & Mechanical Appliances	1	1	-	2	3	1	-	4	South Cotabato, Bukidnon & Davao del Sur
33. Textile & Wearing Apparel	1	7	15	23	3	3	2	8	Davao del Sur, Misamis Oriental & North Cotabato
34. Other Industrial Products	1	1	-	1	6	1	-	7	Davao del Sur and Other Philippines
T O T A L	207	3,915	485	4,607	317	685	62	1,064	

1
3
3
1

STATION: Matina

DIRECTION: Outbound

Goods - Item	Tons/day Carried By:			No. of Vehicles/day			Main Origins (Destinations)		
	Van/Pick-up	L. Truck	H. Truck	total	Van/Pick-up	L. Truck		H. Truck	Total
1. Palay	1	12	12	25	2	2	2	6	Davao del Norte, Davao del Sur
2. Rice	2	16	-	18	4	7	-	11	Davao del Sur & Davao del Norte
3. Unmilled Corn	5	22	11	38	4	6	2	12	Davao del Sur, Davao del Norte & Surigao del Sur
4. Milled Corn	1	9	-	10	1	1	-	2	Davao del Sur
5. Other Cereals	-	-	-	-	-	1	-	1	-do-
6. Fresh Fruits and Vegetables	5	9	-	14	10	3	-	13	-do-
7. Coconut and Copra	-	119	15	134	-	19	2	21	Davao del Sur, Davao del Norte & Davao Oriental
8. Fresh Fish & Other Marine Products	4	7	-	11	10	4	-	14	-do-
9. Livestock and Poultry	3	1	-	4	5	3	-	8	Davao del Sur & Davao del Norte
10. Abaca and other Abaca Products	-	1	-	1	1	1	-	2	Davao del Sur
11. Tobacco	-	-	-	-	-	-	-	-	-
12. Sugarcane	-	-	-	-	-	-	-	-	-
13. Logs & other Forest Products	2	127	-	129	3	32	-	35	Agusan del Sur, Davao del Sur & Davao Oriental
14. Other Agricultural Commodities	-	4	1	5	1	2	2	5	Davao del Sur

(cont'd.)

Goods - Items	Tons/day Carried by:				No. of Vehicles/day				Main Origins (Destinations)
	Van/Pick-up		H. Truck		L. Truck		H. Truck		
	Van/Pick-up	L. Truck	H. Truck	Total	Van/Pick-up	L. Truck	H. Truck	Total	
15. Processed Foods	23	66	-	89	39	40	-	79	Davao del Sur, Davao del Norte & Davao Oriental
16. Sugar & Sugar Products	-	126	-	126	1	16	-	17	Davao del Sur & Davao del Norte
17. Animal Feeds	3	58	-	61	5	12	-	17	Davao del Sur & Davao del Norte
18. Beverage	8	104	3	115	13	19	3	35	-do-
19. Tobacco Products	7	9	-	16	8	5	-	13	Davao del Sur & other Philippines
20. Cement	1	148	34	183	1	25	4	30	Davao del Sur
21. Processed Timber	3	120	79	202	8	43	5	56	Davao del Sur, Davao Oriental & Davao del Norte
22. Chemical Products	7	44	24	75	30	14	2	46	Davao del Sur & Surigao del Sur
23. Paper Products	3	5	-	8	6	2	-	8	-do-
24. Empty Containers	4	131	29	164	14	47	7	68	Davao del Sur, Davao del Norte & Surigao del Sur
25. Washing and Cleaning Products	4	31	-	35	14	14	-	28	Davao del Sur
26. Fertilizer	6	65	-	71	4	11	-	15	Davao del Sur
27. Non-Metal Construction Materials	1	153	24	178	2	23	2	27	-do-
28. Minerals	-	1	-	1	-	1	-	1	Davao del Sur

(cont'd.)

	Tons/day Carried By:				No. of Vehicles/day				Main Origins (Destinations)
	Van/Pick-up	L. Truck	H. Truck	Total	Van/Pick-up	L. Truck	H. Truck	Total	
29. Petroleum Products:	6	203	117	326	13	41	18	72	Davao del Sur & Surigao del Sur
30. Metal & Metal Manufactures	1	8	15	24	3	17	9	29	-do-
31. Machinery & Trans- port Equipment	3	14	109	126	15	12	7	34	Davao del Sur & Davao del Norte
32. Electrical & Mech- anical Appliances	1	2	-	3	10	3	-	13	-do-
33. Textile & Wearing Apparels	9	-	-	9	16	3	-	19	do-
34. Other Industrial Products	2	2	-	4	22	7	-	29	-do-
TOTAL	115	1,617	473	2,205	265	436	65	766	

(1)

SELECTED DATA-4.6 PUBLIC TRANSPORTATION SURVEY

NAME OF BUS COMPANY	LOCATION OF TERMINAL	ARRIVAL AND DEPARTURE TIME	DESTINATION	NO. OF TRIPS	NAME OF ROAD FOR BUS ROUTE IN POBLACION
REOLSYL BUS COMPANY	R. Magsaysay Ave. Davao City	8:30 AM 8:30 AM 11:00 PM 11:00 PM	Tagum, Davao del Norte	20 round trips/day	R. Magsaysay Ave. - Cabaguio Ave. - Sasa
VILLA RECAR BUS COMPANY	R. Magsaysay Ave. Davao City	Mati Route: 7:00 AM - 7:30 PM 3:30 AM - 3:30 PM	Mati, Davao Oriental	5 round trips/day	Davao-Agusan Road
FILIPINAS BUS	San Pedro St./ Pelayo St., Davao City	Gen. Santos Route: 8:00 AM - 8:00 PM 4:30 AM - 3:30 PM	Gen. Santos City	9 round trips/day	National Highway (Davao-Cotabato Road)
PADADA BUS	San Pedro St./ Pelayo St., Davao City	8:00 AM - 3:00 PM 7:00 AM - 6:00 PM	Malita, Davao del Sur Padada, Davao del Sur	20 round trips/day	Pelayo St. - A. Pichon St. - McArthur National Highway
MINDAORO TRANSWAY	Pelayo St. (Legaspi St.,) Davao City	6:00 AM - 9:00 PM 5:30 AM - 8:30 PM	Kidapawan, North Cotabato Bansalan, Digos, Malalag, Davao del Sur	40 round trips/day	Pelayo St. - A. Pichon St. - McArthur National Highway
CERES BUS	Pelayo St. (Legaspi St.,) Davao City	12:00 NOON-6:30 PM 4:00 AM - 1:30 PM	Tacurong (Via Makilala, Tulunan)	6 round trips/day	Pelayo St. - A. Pichon - McArthur National Highway
	Bankerchan, Davao City	8:00 AM - 10:00 PM 2:30 AM - 3:30 PM	Butuan Cagayan	19 round trips/day	Matina, - Mara - Diversion Road Quirino Ave. - Buhangin Road - Diversion Road

(2)

NAME OF BUS COMPANY	LOCATION OF TERMINAL	ARRIVAL AND DEPARTURE TIME	DESTINATION	NO. OF TRIPS	NAME OF ROAD FOR BUS ROUTE IN POBLACION
BACHELOR BUS COMPANY AND SUBUSCO	A. Pichon St. Bankerohan, Davao City	7:00 AM - 8:00 PM 3:00 AM - 4:30 PM	Cagayan Mangagoy Via Cuevas New Bataan, Davao del Norte Mati, Davao Oriental	20 Rd. Trips/day 5 Rd. Trips/day 7 round trips/day 26 round trips/day	E. Quirino Ave. - J.P. Laurel Ave. - Buhangin Road - Diversion Road
MATI TRANSPORT CORP. (MATRANCO)	A. Pichon St. Bankerohan, Davao City	8:00 AM - 7:30 PM 4:15 AM - 8:45 PM	Mati Davao Oriental	7 round trips/day	E. Quirino Ave. - Buhangin Road - Diversion Road E. Quirino Ave. - National Highway
YELLOW BUS LINE, INC.	Bankerohan, Davao City	6:30 AM - 7:30 PM 3:00 AM - 4:00 PM	Gen. Santos City Marbel Tacurong Isulan	6 round trips/day	National Highway (Davao-Cotabato Road)
HINO JT EXPRESS	Bankerohan, Davao City	9:30 AM - 7:00 PM 2:30 AM - 1:00 PM	Cotabato City	25 round trips/day	National Highway (Davao-Cotabato Road,
PANABO BUS	Sta. Ana Ave. Davao City	10:00 AM - 5:30 AM - 3:00 PM	Segaboy	3 round trips/day	Lapu-Lapu St - Cabaguio Ave. - J.P. Laurel Ave.
V.A. Q. BUS (MISS BANSALAN)	E. Quirino Ave., Davao City	10:30 AM - 8:00 PM 5:45 AM - 6:00 PM	Digos, Davao del Sur Kidapawan	35 round trips/day	National Highway (Davao-Cotabato Road)
MINTRANCO BUS	E. Quirino Ave. Davao City	10:30 AM - 8:15 PM 2:30 AM - 12:30 PM	Cotabato City	19 round trips/day	E. Quirino Ave. - Matina-National Highway

(3)

NAME OF BUS COMPANY	LOCATION OF TERMINAL	ARRIVAL AND DEPARTURE TIME	DESTINATION	NO. OF TRIPS	NAME OF ROAD FOR BUS ROUTE IN POBLACION
SID. TOMAS BUS TRANSIT AND PANABO BUS CO.	Agdao Public Market, Davao City	7:00 AM - 7:00 PM	Tibal-og	40 round trips/day	Cabaguio Ave. - J.P. Laurel Ave. - Sasa
		5:30 AM - 5:00 PM	Sto. Tomas		
AGDAO TERMINAL	R. Castillo St./ Cabaguio Ave. Agdao	7:00 AM - 7:00 PM	Butuan	25-30 Rd. trips/day	Cabaguio Ave. - National Highway
		5:30 AM - 4:00 PM			
MAHARLIKA BUS	Cabaguio St., Agdao	10:00 AM - 6:00 PM	Tagum, Davao del Norte	5 round trips/day	Cabaguio Ave. - J.P. Laurel - National Highway
		6:00 AM - 4:00 PM			

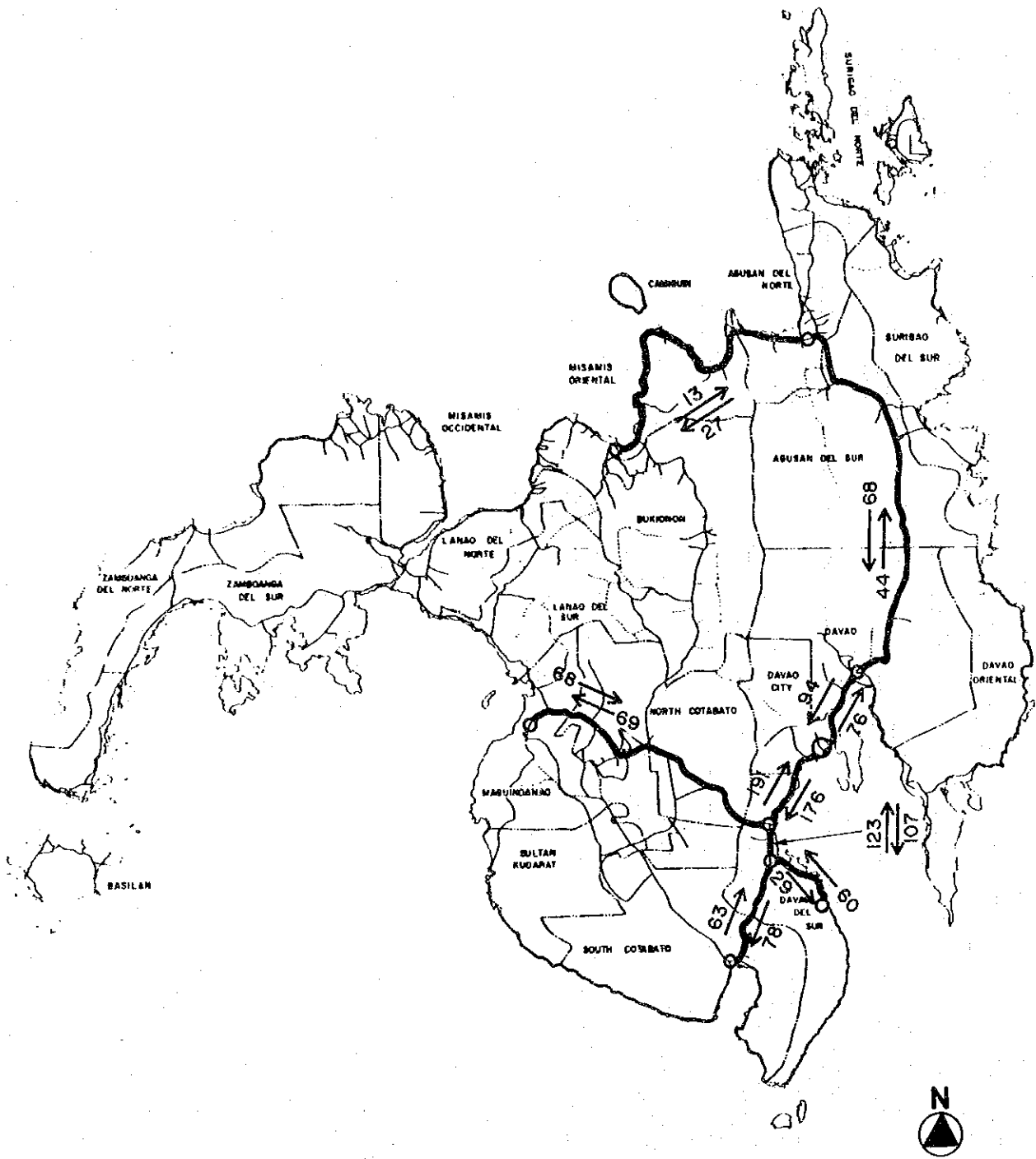


FIG. A
 NUMBER OF BUS TRAFFIC
 (ORDINARY BUS)

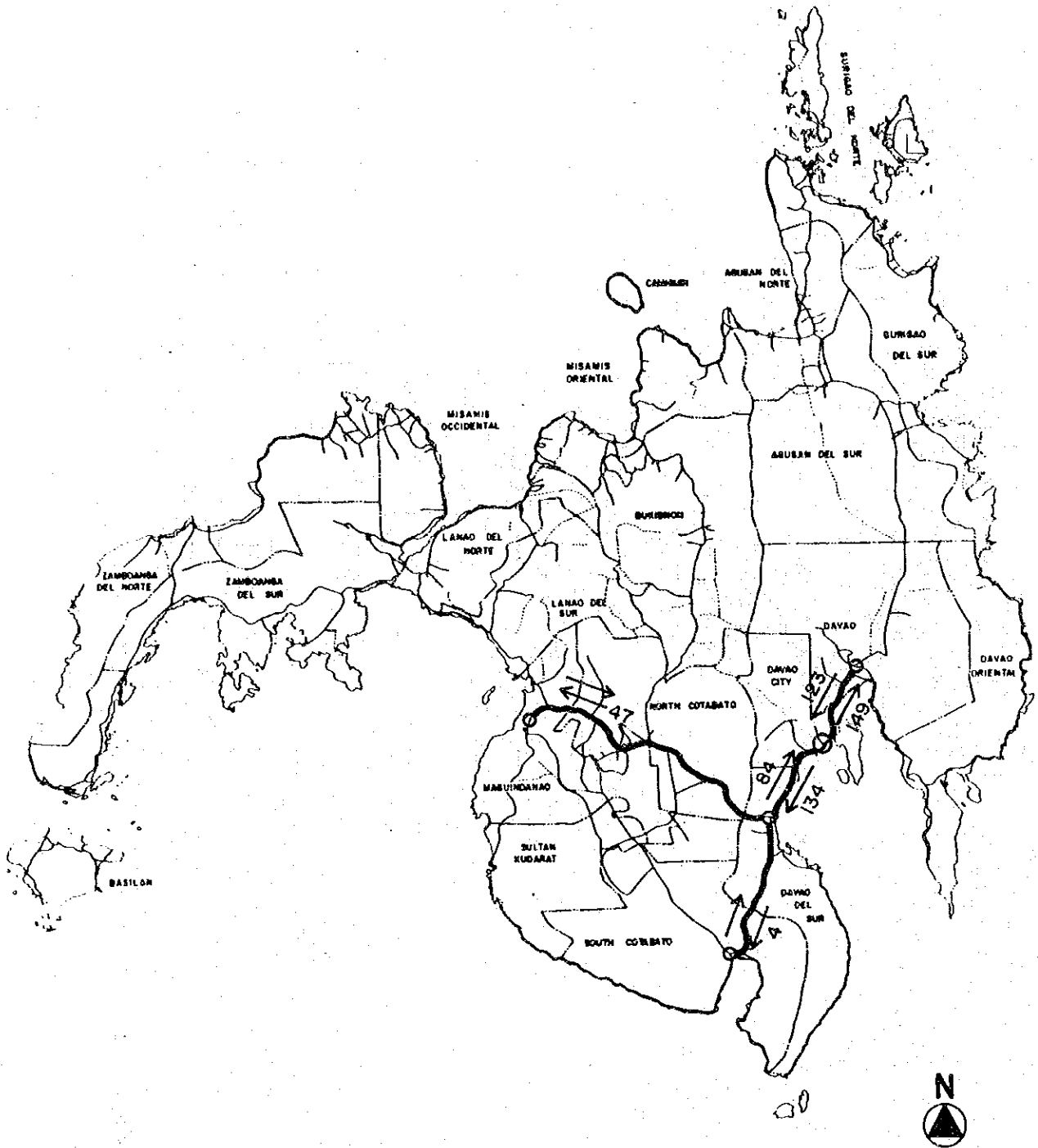


FIG. B
 NUMBER OF BUS TRAFFIC
 BABY (MINI) BUS

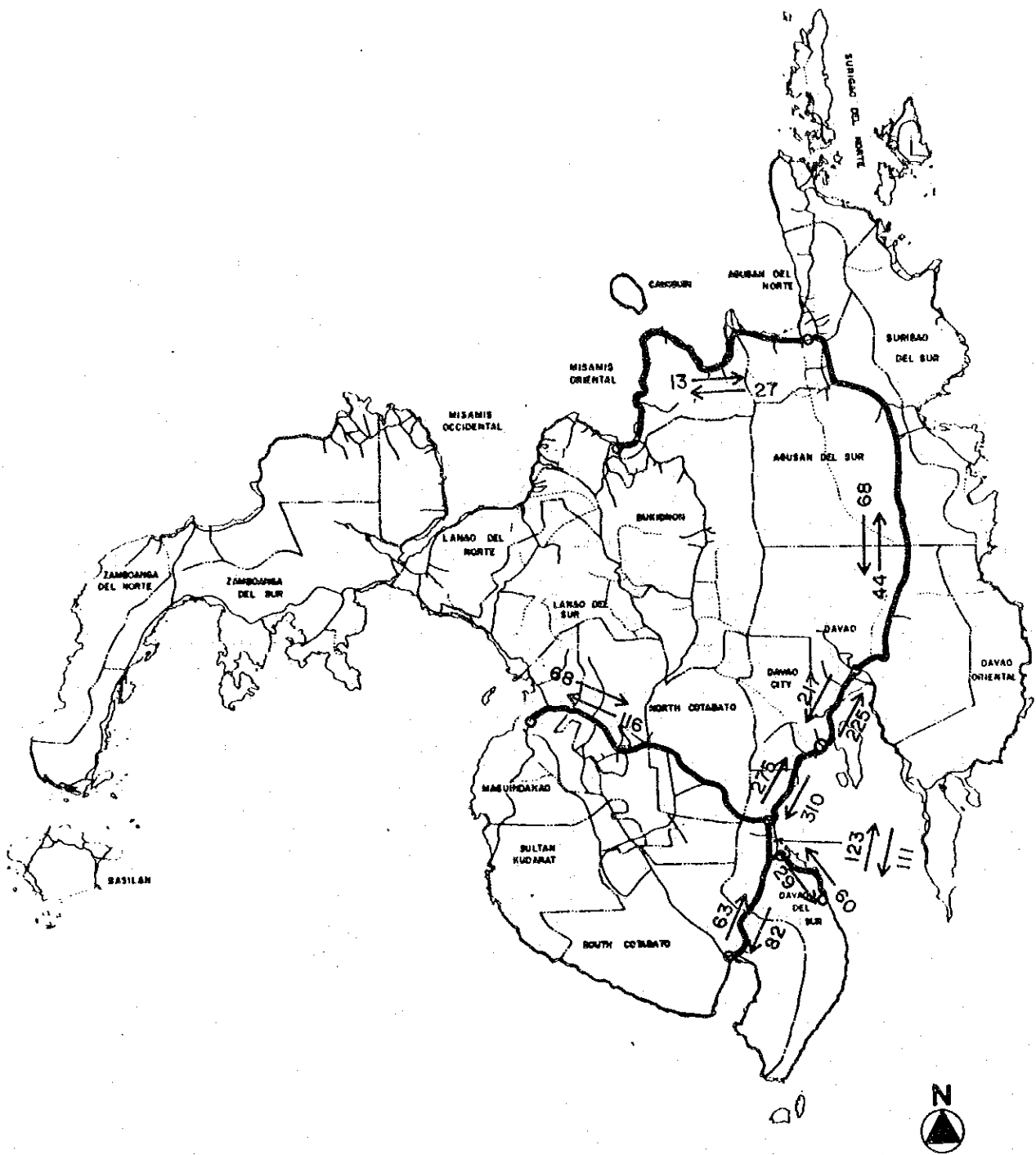
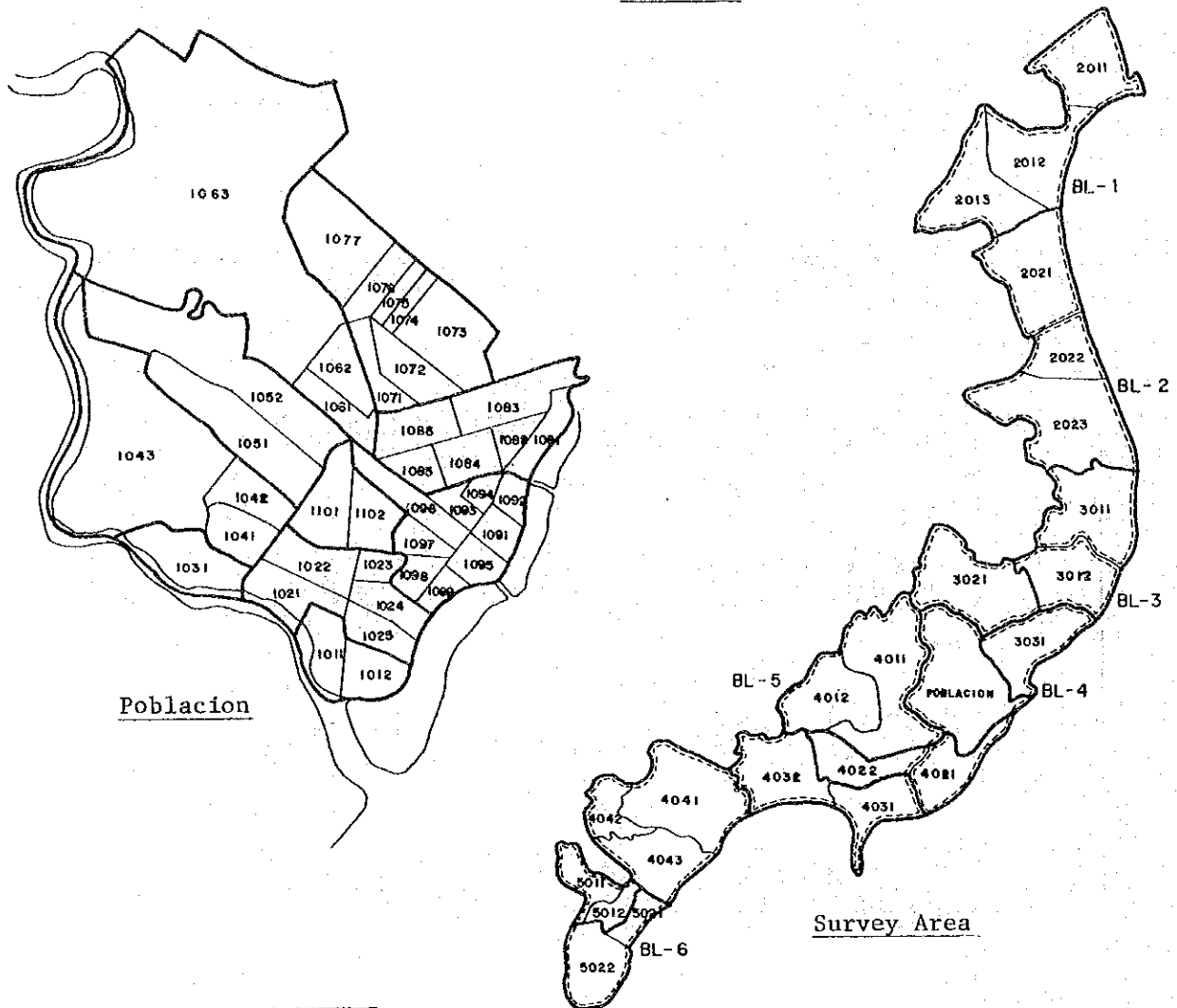


FIG.C
NUMBER OF BUS TRAFFIC
(INCLUDING ORDINARY & BABY BUS)

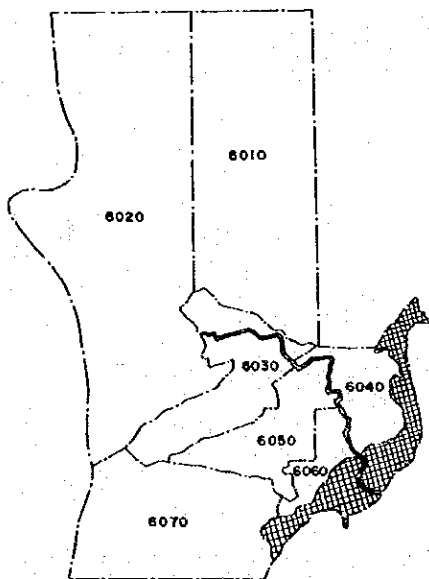
SELECTED DATA-4.7 Present Person Trips

Zone Map

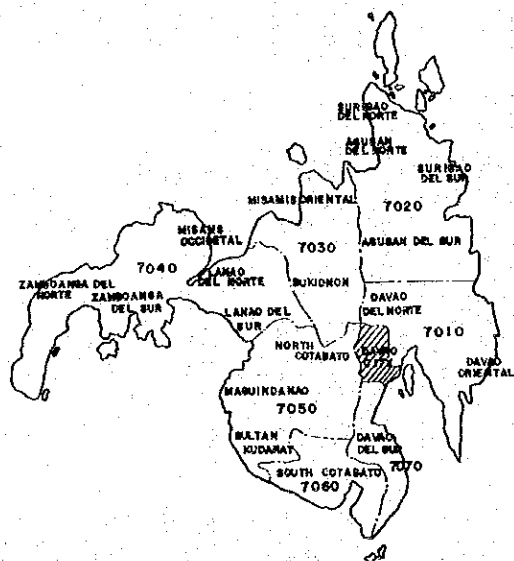


Poblacion

Survey Area



Davao City



Mindanao

Table A B-Zone O.D. Table (Resident and Non-resident) (1)

NAME	1)1010	2)1020	3)1030	4)1040	5)1050	6)1060	7)1070	8)1080	9)1090	10)1100	(person trips/day)
1)1010	1569.	3144.	337.	435.	213.	224.	125.	272.	378.	428.	
2)1020	3374.	17343.	2774.	3514.	2227.	2312.	2845.	4219.	7491.	5288.	
3)1030	346.	2594.	3162.	2720.	817.	556.	710.	1300.	2032.	1100.	
4)1040	419.	3235.	2640.	4573.	1208.	568.	737.	1053.	956.	2261.	
5)1050	164.	2200.	859.	1155.	3089.	1308.	972.	1051.	1427.	1860.	
6)1060	200.	2178.	503.	550.	1348.	3107.	2101.	1995.	659.	1122.	
7)1070	81.	2706.	788.	740.	913.	2209.	10341.	3313.	1558.	1757.	
8)1080	309.	4577.	1365.	1104.	1010.	2081.	3273.	13459.	7072.	1975.	
9)1090	387.	7214.	1979.	933.	1498.	616.	1509.	7511.	7290.	2042.	
10)1100	407.	5432.	1226.	2319.	2046.	1038.	1783.	1984.	1914.	5355.	
11)2010	26.	447.	92.	109.	13.	76.	255.	442.	83.	196.	
12)2020	183.	1201.	158.	235.	95.	312.	474.	505.	274.	316.	
13)3010	110.	1606.	316.	565.	356.	905.	983.	1412.	864.	770.	
14)3020	33.	1650.	579.	261.	381.	741.	1327.	1044.	616.	529.	
15)3030	460.	5676.	844.	1688.	752.	929.	4339.	7416.	2123.	1582.	
16)4010	144.	1658.	1726.	442.	242.	130.	322.	295.	419.	437.	
17)4020	1182.	9762.	3727.	1865.	908.	627.	1261.	2501.	2406.	1961.	
18)4030	152.	2879.	976.	541.	207.	93.	401.	459.	226.	501.	
19)4040	66.	903.	223.	110.	43.	53.	389.	584.	205.	359.	
20)5010	64.	888.	511.	168.	87.	134.	105.	315.	185.	178.	
21)5020	0.	407.	37.	11.	0.	0.	51.	49.	23.	24.	
22)6010	0.	0.	0.	0.	0.	0.	0.	20.	13.	5.	
23)6020	0.	18.	8.	0.	3.	0.	0.	0.	0.	0.	
24)6030	14.	537.	156.	56.	53.	14.	69.	147.	134.	25.	
25)6040	96.	822.	519.	259.	103.	147.	262.	230.	304.	418.	
26)6050	7.	550.	518.	216.	91.	31.	88.	255.	244.	51.	
27)6060	0.	289.	234.	38.	33.	36.	5.	82.	51.	60.	
28)6070	8.	109.	85.	31.	3.	3.	16.	22.	99.	48.	
29)7010	69.	1573.	942.	349.	146.	304.	372.	590.	548.	303.	
30)7020	21.	168.	50.	0.	51.	0.	0.	315.	251.	68.	
31)7030	171.	0.	0.	23.	0.	0.	0.	41.	106.	18.	
32)7040	0.	21.	0.	0.	0.	0.	0.	0.	0.	0.	
33)7050	0.	192.	138.	101.	150.	12.	51.	87.	192.	24.	
34)7060	18.	77.	13.	21.	24.	0.	146.	105.	139.	21.	
35)7070	12.	694.	237.	243.	15.	219.	84.	404.	386.	82.	
36)8000	0.	25.	0.	0.	0.	0.	0.	18.	0.	0.	
37)TOTAL	10093.	82875.	27722.	25376.	18126.	18787.	35396.	53495.	40671.	31167.	

Table A B-Zone O.D. Table (Resident and Non-resident) (2)

NAME	(person trips/day)									
	11)2010	12)2020	13)3010	14)3020	15)3030	16)4010	17)4020	18)4030	19)4040	20)5010
1)1010	26.	200.	153.	1710.	687.	94.	1207.	245.	56.	50.
2)1020	553.	914.	1575.	1710.	4938.	1570.	9684.	2618.	836.	875.
3)1030	108.	161.	272.	455.	931.	1797.	3749.	957.	247.	384.
4)1040	110.	218.	810.	377.	1383.	423.	1992.	580.	88.	157.
5)1050	13.	95.	397.	418.	660.	264.	798.	126.	134.	94.
6)1060	46.	454.	894.	725.	848.	113.	678.	69.	53.	142.
7)1070	221.	476.	942.	1330.	4541.	323.	1306.	424.	319.	133.
8)1080	322.	453.	1619.	1155.	7215.	333.	2396.	538.	648.	300.
9)1090	87.	282.	824.	604.	2174.	319.	2426.	258.	214.	205.
10)1100	183.	359.	712.	507.	1641.	419.	1726.	382.	327.	169.
11)2010	14825.	1508.	291.	0.	426.	22.	45.	31.	0.	26.
12)2020	1512.	29544.	2807.	270.	645.	69.	326.	130.	38.	0.
13)3010	324.	2917.	18067.	912.	1591.	158.	1160.	99.	97.	139.
14)3020	10.	422.	1182.	8967.	876.	338.	661.	213.	0.	125.
15)3030	424.	570.	1569.	686.	33967.	307.	1347.	199.	189.	246.
16)4010	22.	58.	176.	243.	309.	8057.	1070.	263.	0.	0.
17)4020	45.	496.	1003.	851.	1314.	1114.	26349.	15226.	170.	190.
18)4030	31.	145.	158.	148.	208.	295.	1421.	17270.	1038.	926.
19)4040	12.	38.	26.	105.	189.	0.	200.	878.	5672.	2552.
20)5010	63.	27.	215.	150.	202.	0.	190.	998.	2755.	23707.
21)5020	19.	0.	112.	19.	25.	13.	79.	65.	90.	4754.
22)6010	87.	13.	0.	14.	2.	9.	6.	0.	0.	1.
23)6020	16.	0.	0.	0.	13.	2.	12.	2.	13.	9.
24)6030	9.	68.	21.	19.	72.	13.	113.	199.	148.	60.
25)6040	0.	91.	280.	419.	157.	1.	88.	9.	0.	16.
26)6050	5.	17.	27.	1.	108.	19.	217.	347.	33.	151.
27)6060	9.	0.	83.	83.	37.	13.	163.	262.	23.	33.
28)6070	41.	10.	15.	4.	14.	23.	52.	42.	206.	3215.
29)7010	1919.	970.	1053.	657.	1058.	141.	823.	96.	52.	99.
30)7020	13.	208.	47.	3.	14.	0.	39.	19.	0.	13.
31)7030	0.	45.	7.	0.	0.	20.	17.	23.	9.	9.
32)7040	2.	0.	0.	0.	26.	0.	0.	0.	0.	0.
33)7050	20.	78.	78.	12.	113.	9.	65.	34.	25.	253.
34)7060	0.	80.	72.	24.	33.	10.	192.	27.	4.	163.
35)7070	194.	36.	186.	47.	544.	2.	363.	56.	29.	1260.
36)8000	0.	0.	0.	0.	0.	0.	49.	17.	0.	0.
37)TOTAL	21269.	40934.	35612.	20939.	66781.	16291.	61009.	29002.	13513.	40457.

Table A B-Zone O.D. Table (Resident and Non-resident) (3)

NAME	(person trips/day)										
	21)5020	22)6010	23)6020	24)6030	25)6040	26)6050	27)6060	28)6070	29)7010	30)7020	
1)1010	0.	0.	0.	14.	96.	22.	0.	8.	69.	21.	
2)1020	358.	0.	18.	487.	822.	559.	289.	225.	1523.	154.	
3)1030	54.	0.	8.	141.	519.	540.	234.	74.	927.	50.	
4)1040	11.	30.	0.	56.	259.	205.	38.	10.	349.	0.	
5)1050	0.	0.	3.	53.	103.	91.	33.	3.	146.	51.	
6)1060	0.	0.	0.	40.	147.	41.	36.	3.	313.	0.	
7)1070	84.	0.	0.	24.	262.	88.	15.	16.	331.	0.	
8)1080	55.	10.	0.	197.	244.	249.	82.	22.	675.	315.	
9)1090	12.	154.	0.	120.	295.	233.	51.	8.	570.	133.	
10)1100	37.	5.	0.	14.	418.	41.	60.	48.	336.	68.	
11)2010	0.	87.	0.	9.	0.	5.	9.	41.	1939.	23.	
12)2020	0.	2.	0.	68.	80.	17.	0.	10.	946.	208.	
13)3010	112.	0.	0.	21.	292.	27.	21.	26.	1213.	37.	
14)3020	19.	14.	0.	19.	339.	1.	83.	25.	588.	3.	
15)3030	38.	2.	13.	72.	157.	96.	37.	14.	1166.	14.	
16)4010	13.	9.	2.	18.	1.	6.	13.	0.	130.	33.	
17)4020	115.	6.	12.	113.	88.	217.	165.	52.	592.	39.	
18)4030	65.	0.	2.	199.	9.	326.	262.	17.	92.	19.	
19)4040	103.	0.	13.	148.	0.	33.	23.	206.	52.	0.	
20)5010	4546.	1.	0.	69.	16.	151.	33.	3203.	99.	13.	
21)5020	5272.	0.	0.	0.	0.	16.	12.	175.	54.	13.	
22)6010	0.	0.	0.	0.	0.	0.	0.	0.	120.	0.	
23)6020	0.	0.	0.	0.	4.	0.	46.	1.	26.	0.	
24)6030	0.	0.	9.	0.	66.	0.	2.	23.	288.	25.	
25)6040	0.	0.	4.	66.	41.	18.	32.	16.	243.	0.	
26)6050	16.	0.	6.	11.	18.	0.	54.	28.	161.	14.	
27)6060	12.	0.	46.	2.	32.	54.	26.	14.	46.	0.	
28)6070	175.	0.	1.	23.	16.	28.	14.	311.	80.	17.	
29)7010	54.	120.	26.	288.	243.	161.	46.	80.	1372.	11.	
30)7020	13.	0.	0.	25.	0.	14.	0.	17.	11.	13.	
31)7030	0.	0.	0.	0.	36.	9.	0.	0.	16.	0.	
32)7040	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	
33)7050	0.	0.	0.	63.	6.	30.	0.	15.	422.	81.	
34)7060	121.	0.	0.	46.	32.	15.	0.	10.	278.	158.	
35)7070	62.	7.	11.	97.	54.	59.	25.	70.	713.	133.	
36)8000	0.	2.	0.	6.	0.	0.	6.	0.	32.	0.	
37)TOTAL	11348.	430.	167.	2508.	4695.	3354.	1744.	4769.	15925.	1646.	

Table A B-Zone O.D. Table (Resident and Non-resident) (4)

NAME	(person trips/day)							37>TOTAL
	31>7030	32>7040	33>7050	34>7060	35>7070	36>8000	37>TOTAL	
1>1010	0.	0.	0.	0.	18.	12.	0.	9927.
2>1020	0.	21.	171.	77.	665.	0.	0.	82049.
3>1030	0.	0.	138.	13.	220.	0.	0.	27416.
4>1040	23.	0.	101.	21.	231.	0.	0.	25123.
5>1050	0.	0.	150.	24.	15.	0.	0.	17757.
6>1060	0.	0.	12.	0.	48.	0.	0.	18427.
7>1070	0.	0.	51.	146.	101.	0.	0.	35541.
8>1080	212.	0.	87.	105.	370.	18.	0.	53845.
9>1090	106.	0.	192.	132.	326.	0.	0.	40687.
10>1100	18.	0.	24.	21.	82.	0.	0.	31102.
11>2010	0.	2.	20.	0.	194.	0.	0.	21240.
12>2020	45.	0.	189.	80.	36.	0.	0.	40778.
13>3010	7.	0.	78.	72.	174.	0.	0.	35432.
14>3020	0.	0.	26.	24.	22.	0.	0.	21119.
15>3030	0.	26.	135.	21.	417.	0.	0.	67521.
16>4010	8.	0.	10.	10.	2.	0.	0.	16259.
17>4020	17.	0.	26.	159.	314.	12.	0.	61183.
18>4030	23.	0.	34.	6.	66.	0.	0.	29195.
19>4040	9.	0.	25.	4.	29.	0.	0.	13252.
20>5010	9.	0.	253.	163.	1274.	0.	0.	40771.
21>5020	0.	0.	0.	0.	69.	0.	0.	11390.
22>6010	0.	0.	0.	0.	7.	2.	0.	300.
23>6020	0.	0.	0.	0.	11.	0.	0.	183.
24>6030	0.	0.	63.	46.	69.	6.	0.	2523.
25>6040	36.	0.	6.	32.	54.	0.	0.	4769.
26>6050	9.	0.	30.	15.	59.	0.	0.	3393.
27>6060	0.	0.	0.	0.	25.	6.	0.	1734.
28>6070	0.	0.	15.	10.	70.	0.	0.	4804.
29>7010	16.	4.	422.	278.	582.	32.	0.	15802.
30>7020	0.	0.	81.	158.	133.	0.	0.	1745.
31>7030	6.	0.	44.	100.	29.	0.	0.	727.
32>7040	0.	0.	0.	14.	12.	0.	0.	78.
33>7050	44.	0.	10.	0.	14.	53.	0.	2375.
34>7060	100.	14.	0.	128.	0.	96.	0.	2169.
35>7070	29.	12.	0.	0.	228.	58.	0.	6649.
36>8000	0.	0.	53.	96.	58.	0.	0.	362.
37>TOTAL	715.	78.	2437.	1975.	6016.	283.	0.	747625.

Table B Block O.D. Table by Purpose (Resident) (1)

NAME	To Office						(person trip/day)			
	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	2197.	746.	503.	590.	23.	0.	0.	287.	0.	4346.
2)BL-2	163.	3347.	610.	931.	255.	13.	32.	321.	10.	5682.
3)BL-3	51.	612.	1737.	2359.	123.	0.	56.	205.	0.	5143.
4)BL-4	423.	2619.	1930.	27767.	1689.	648.	132.	474.	210.	35892.
5)BL-5	176.	374.	520.	6466.	3988.	300.	185.	98.	56.	12163.
6)BL-6	12.	82.	220.	1221.	329.	3988.	46.	45.	355.	6298.
7)OUT-1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8)OUT-2	0.	0.	0.	0.	0.	0.	0.	12.	0.	12.
9)OUT-3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10)TOTAL	3022.	7780.	5520.	39334.	6407.	4949.	451.	1442.	631.	69536.

NAME	To School									
	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	5791.	426.	0.	617.	0.	0.	0.	75.	0.	6909.
2)BL-2	249.	6471.	77.	1543.	14.	0.	0.	13.	0.	8367.
3)BL-3	0.	592.	2956.	2609.	43.	0.	0.	0.	0.	6200.
4)BL-4	145.	40.	187.	57040.	1032.	60.	20.	0.	0.	58524.
5)BL-5	0.	15.	228.	8310.	10523.	282.	61.	0.	0.	19419.
6)BL-6	0.	0.	14.	1478.	244.	9983.	32.	0.	91.	11842.
7)OUT-1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8)OUT-2	0.	0.	0.	40.	0.	0.	0.	10.	0.	50.
9)OUT-3	0.	0.	0.	14.	0.	0.	0.	0.	0.	14.
10)TOTAL	6185.	7544.	3462.	71651.	11856.	10325.	113.	98.	91.	111325.

NAME	To Home									
	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	9264.	782.	64.	837.	209.	26.	0.	0.	0.	11182.
2)BL-2	1186.	11421.	1003.	3167.	459.	123.	0.	0.	0.	17359.
3)BL-3	529.	806.	5067.	2648.	1047.	170.	0.	0.	0.	10267.
4)BL-4	1952.	3814.	7109.	117488.	23128.	4425.	19.	0.	0.	157935.
5)BL-5	50.	380.	334.	4114.	16214.	1048.	0.	0.	0.	22140.
6)BL-6	20.	13.	103.	1614.	1377.	17466.	0.	0.	0.	20593.
7)OUT-1	27.	52.	224.	770.	391.	250.	0.	0.	0.	1714.
8)OUT-2	740.	789.	225.	1614.	780.	80.	0.	0.	0.	4228.
9)OUT-3	212.	46.	48.	1207.	575.	1055.	0.	0.	0.	3143.
10)TOTAL	13980.	18103.	14177.	133459.	44180.	24643.	19.	0.	0.	248561.

Table B Block O.D. Table by Purpose (Resident) (2)

(person trips/day)

Business

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	529.	610.	0.	735.	0.	0.	0.	281.	171.	2526.
2)BL-2	614.	951.	398.	952.	167.	0.	9.	363.	133.	3587.
3)BL-3	9.	423.	520.	1649.	241.	156.	77.	106.	35.	3216.
4)BL-4	466.	1114.	1196.	29435.	2083.	844.	478.	1289.	700.	37605.
5)BL-5	11.	322.	286.	5905.	2621.	122.	123.	257.	283.	9930.
6)BL-6	49.	0.	138.	1083.	250.	1821.	150.	10.	203.	3704.
7)OUT-1	0.	0.	0.	212.	0.	0.	11.	0.	0.	223.
8)OUT-2	12.	39.	164.	304.	60.	0.	0.	49.	0.	628.
9)OUT-3	0.	0.	0.	190.	39.	0.	0.	131.	331.	691.
10)TOTAL	1690.	3459.	2702.	40465.	5461.	2943.	848.	2486.	1856.	61910.

Shopping

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	750.	32.	0.	294.	0.	0.	0.	43.	0.	1119.
2)BL-2	78.	681.	0.	649.	0.	55.	0.	9.	0.	1472.
3)BL-3	0.	131.	43.	864.	0.	0.	0.	0.	0.	1038.
4)BL-4	38.	51.	25.	19644.	22.	0.	0.	9.	0.	19789.
5)BL-5	0.	0.	0.	3393.	203.	183.	0.	0.	0.	3779.
6)BL-6	0.	27.	0.	382.	0.	1599.	0.	0.	0.	2008.
7)OUT-1	0.	0.	0.	26.	0.	0.	0.	0.	0.	26.
8)OUT-2	0.	0.	0.	22.	0.	0.	0.	28.	0.	50.
9)OUT-3	0.	0.	0.	27.	0.	0.	0.	0.	0.	27.
10)TOTAL	866.	922.	68.	25301.	225.	1837.	0.	89.	0.	29308.

Private

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	10416.	459.	50.	491.	27.	0.	11.	96.	41.	11591.
2)BL-2	636.	5629.	210.	1114.	0.	13.	0.	236.	25.	7863.
3)BL-3	33.	95.	3593.	2210.	461.	0.	23.	10.	11.	6436.
4)BL-4	442.	807.	1874.	85676.	6067.	576.	404.	396.	124.	96366.
5)BL-5	11.	27.	438.	6309.	17461.	539.	32.	275.	111.	25203.
6)BL-6	13.	25.	70.	846.	180.	14494.	22.	25.	314.	15989.
7)OUT-1	0.	0.	0.	83.	39.	0.	9.	0.	0.	131.
8)OUT-2	0.	0.	0.	43.	0.	0.	0.	95.	0.	138.
9)OUT-3	0.	0.	0.	54.	25.	20.	28.	0.	0.	127.
10)TOTAL	11551.	7042.	6235.	98826.	24260.	15642.	529.	1133.	626.	163844.

Table C. Block O.D. Table by Mode (Resident)

Walking Group (Walking, Bicycle, Motorcycle)

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	22325.	797.	19.	192.	0.	13.	0.	27.	0.	23373.
2)BL-2	837.	16250.	153.	395.	90.	0.	32.	31.	0.	17788.
3)BL-3	19.	157.	9711.	677.	73.	0.	0.	0.	21.	10658.
4)BL-4	139.	371.	618.	143640.	2985.	244.	0.	91.	26.	148114.
5)BL-5	0.	90.	101.	3083.	34288.	336.	72.	0.	0.	37970.
6)BL-6	33.	0.	0.	262.	356.	27669.	9.	0.	144.	28473.
7)OUT-1	0.	11.	0.	12.	72.	9.	0.	0.	0.	104.
8)OUT-2	17.	53.	0.	74.	0.	69.	0.	0.	0.	193.
9)OUT-3	0.	0.	0.	47.	0.	0.	0.	0.	0.	191.
10)TOTAL	23370.	17709.	10602.	148382.	37864.	28415.	113.	218.	191.	266864.

(person trips/day)

Car Group (Car, Truck)

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	765.	582.	121.	1090.	111.	0.	0.	134.	212.	3015.
2)BL-2	552.	2237.	328.	2367.	281.	83.	0.	604.	111.	6563.
3)BL-3	121.	674.	1035.	3406.	1224.	118.	67.	134.	0.	6779.
4)BL-4	896.	2413.	3752.	41263.	11665.	1976.	425.	1289.	670.	64347.
5)BL-5	111.	463.	1015.	12603.	8055.	835.	113.	500.	370.	24065.
6)BL-6	30.	28.	321.	2219.	786.	3800.	121.	0.	423.	7728.
7)OUT-1	0.	0.	168.	451.	113.	121.	0.	0.	0.	853.
8)OUT-2	134.	492.	255.	994.	651.	0.	0.	0.	0.	2526.
9)OUT-3	212.	0.	0.	970.	456.	453.	28.	131.	301.	2551.
10)TOTAL	2821.	6889.	6995.	65363.	23342.	7386.	752.	2792.	2087.	118427.

PUV Group (Bus, PUJ, AC, Tricycle, PU, Taxi)

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	5857.	1676.	477.	2282.	148.	13.	11.	621.	0.	11085.
2)BL-2	1537.	10031.	1817.	5605.	524.	121.	9.	307.	57.	20008.
3)BL-3	482.	1828.	3170.	8270.	618.	208.	89.	187.	25.	14877.
4)BL-4	2431.	5674.	7965.	152496.	19404.	4333.	630.	801.	338.	194072.
5)BL-5	137.	565.	690.	18833.	8667.	1303.	216.	130.	80.	30621.
6)BL-6	31.	119.	224.	4143.	1238.	17882.	120.	80.	396.	24233.
7)OUT-1	27.	41.	56.	628.	245.	120.	20.	0.	0.	1137.
8)OUT-2	601.	303.	134.	968.	189.	80.	0.	125.	0.	2400.
9)OUT-3	0.	46.	48.	475.	183.	478.	0.	0.	30.	1260.
10)TOTAL	11103.	20283.	14581.	193700.	31216.	24538.	1095.	2251.	926.	299693.

Table A B-Zone O.D. Table (Resident and Non-Resident) (1)

NAME	(person trips/day)									
	1)1010	2)1020	3)1030	4)1040	5)1050	6)1060	7)1070	8)1080	9)1090	10)1100
1)1010	1490.	2752.	403.	499.	262.	318.	225.	385.	458.	392.
2)1020	2769.	15532.	2537.	4299.	2063.	3062.	2653.	3864.	6693.	4757.
3)1030	307.	2416.	2787.	2614.	771.	1116.	693.	1230.	1828.	1023.
4)1040	478.	4807.	2289.	6696.	1711.	1133.	1078.	1543.	1130.	2263.
5)1050	192.	1963.	726.	1700.	3995.	1527.	1104.	1159.	1459.	1669.
6)1060	293.	2707.	841.	1259.	1442.	7489.	2659.	2690.	1248.	1284.
7)1070	220.	2478.	792.	1414.	1304.	2549.	10558.	3104.	1559.	1614.
8)1080	379.	4114.	1285.	1779.	1317.	2873.	3460.	13213.	8869.	2058.
9)1090	469.	6403.	1772.	1316.	1611.	1180.	1593.	6797.	8129.	1836.
10)1100	370.	5155.	1270.	2345.	1911.	1489.	1688.	2040.	1846.	5188.
11)2010	129.	641.	249.	289.	120.	360.	371.	623.	300.	359.
12)2020	410.	2027.	924.	928.	463.	1406.	1089.	1679.	1186.	859.
13)3010	272.	2322.	726.	861.	531.	1337.	1437.	2179.	1314.	1105.
14)3020	243.	2391.	1010.	854.	729.	1286.	1926.	1951.	1244.	1062.
15)3030	646.	6295.	1537.	2999.	1922.	3484.	4695.	8032.	3368.	2446.
16)4010	362.	3487.	2129.	1423.	706.	913.	1184.	1767.	1330.	1279.
17)4020	1071.	10042.	3704.	2564.	1402.	1440.	1843.	3039.	2805.	2473.
18)4030	251.	2917.	1304.	1017.	494.	946.	921.	1566.	1189.	898.
19)4040	114.	945.	294.	240.	97.	202.	418.	668.	294.	380.
20)5010	154.	857.	514.	357.	199.	416.	314.	572.	438.	298.
21)5020	102.	545.	232.	269.	125.	357.	242.	391.	290.	191.
22)6010	0.	0.	0.	0.	0.	0.	0.	28.	19.	8.
23)6020	0.	21.	11.	0.	0.	0.	0.	0.	0.	0.
24)6030	21.	737.	218.	78.	74.	20.	85.	208.	188.	31.
25)6040	157.	1189.	726.	363.	145.	204.	379.	329.	419.	582.
26)6050	10.	756.	731.	302.	130.	43.	123.	349.	334.	67.
27)6060	0.	407.	336.	53.	46.	51.	0.	108.	76.	87.
28)6070	11.	158.	139.	43.	5.	5.	29.	30.	139.	87.
29)7010	110.	2338.	1453.	541.	210.	461.	582.	923.	844.	432.
30)7020	34.	272.	79.	0.	83.	0.	0.	512.	377.	117.
31)7030	244.	0.	0.	32.	0.	0.	0.	58.	171.	29.
32)7040	0.	34.	0.	0.	0.	0.	0.	0.	0.	0.
33)7050	0.	307.	209.	164.	215.	20.	83.	131.	304.	39.
34)7060	29.	129.	27.	34.	39.	0.	214.	168.	226.	34.
35)7070	20.	1107.	397.	378.	23.	321.	133.	656.	619.	132.
36)8000	0.	36.	0.	0.	0.	0.	0.	28.	0.	0.
37)TOTAL	11356.	88287.	31648.	37711.	24146.	36009.	41778.	62022.	48694.	35079.

Note: Truck trips generated in and attracted to proposed industrial estates are excluded.

Table A B-Zone O.D. Table (Resident and Non-Resident) (2)

NAME	11)2010	12)2020	13)3010	14)3020	15)3030	16)4010	17)4020	18)4030	19)4040	20)5010	(person trips/day)
1)1010	72.	298.	266.	232.	662.	344.	1087.	337.	77.	110.	
2)1020	941.	1907.	2640.	2673.	5471.	3639.	8984.	3414.	943.	1255.	
3)1030	228.	664.	814.	970.	1297.	1874.	3430.	1092.	355.	561.	
4)1040	248.	733.	1005.	990.	2512.	1257.	2727.	1063.	195.	375.	
5)1050	135.	499.	708.	790.	1477.	804.	1207.	615.	201.	310.	
6)1060	186.	1122.	1194.	1290.	3167.	1013.	1619.	956.	167.	388.	
7)1070	414.	996.	1470.	1834.	4950.	1276.	1878.	1091.	445.	633.	
8)1080	560.	1417.	2229.	1987.	7551.	1959.	2585.	1654.	739.	626.	
9)1090	263.	930.	1177.	1042.	3539.	1152.	2933.	1048.	310.	427.	
10)1100	308.	821.	1118.	1090.	2222.	1304.	2155.	893.	391.	381.	
11)2010	37929.	5574.	1356.	648.	911.	36.	317.	33.	5.	35.	
12)2020	5051.	88666.	5932.	2225.	3147.	472.	1685.	510.	71.	38.	
13)3010	1012.	6402.	48772.	1881.	4067.	631.	1951.	580.	104.	151.	
14)3020	339.	1774.	1964.	34712.	3636.	744.	1753.	769.	4.	107.	
15)3030	994.	2702.	3756.	3569.	47736.	3100.	4570.	2861.	603.	1144.	
16)4010	34.	370.	548.	760.	2827.	41300.	5536.	2383.	488.	853.	
17)4020	251.	1234.	1660.	1607.	4588.	4531.	51393.	3354.	605.	1014.	
18)4030	36.	567.	626.	793.	2882.	2286.	3684.	5562.	1682.	1867.	
19)4040	21.	79.	26.	103.	658.	486.	695.	1617.	20488.	2932.	
20)5010	85.	64.	221.	166.	986.	944.	1110.	1780.	2923.	43166.	
21)5020	32.	43.	72.	21.	730.	783.	900.	1189.	876.	6206.	
22)6010	151.	23.	0.	31.	3.	16.	11.	0.	0.	0.	
23)6020	27.	0.	0.	0.	17.	5.	21.	4.	22.	15.	
24)6030	14.	126.	42.	41.	101.	23.	199.	346.	247.	94.	
25)6040	0.	158.	608.	904.	225.	0.	163.	16.	0.	28.	
26)6050	10.	31.	54.	0.	154.	34.	383.	607.	55.	249.	
27)6060	14.	0.	43.	181.	52.	23.	308.	481.	33.	49.	
28)6070	69.	17.	30.	9.	21.	41.	95.	75.	347.	5202.	
29)7010	3233.	1723.	2110.	1495.	1562.	256.	1518.	193.	100.	180.	
30)7020	22.	373.	94.	9.	23.	0.	82.	36.	0.	24.	
31)7030	0.	85.	16.	0.	0.	38.	32.	44.	16.	17.	
32)7040	3.	0.	0.	0.	37.	0.	0.	0.	0.	0.	
33)7050	38.	148.	157.	32.	176.	16.	124.	79.	46.	436.	
34)7060	0.	151.	153.	66.	52.	21.	357.	50.	7.	275.	
35)7070	333.	71.	386.	112.	815.	6.	675.	103.	56.	2134.	
36)8000	0.	0.	0.	0.	0.	0.	89.	31.	0.	0.	
37)TOTAL	53053.	119768.	81247.	62262.	108234.	70420.	106258.	84958.	32600.	71083.	

Table A B-Zone O.D. Table (Resident and Non-Resident) (3)

NAME	21)5020	22)6010	23)6020	24)6030	25)6040	26)6050	27)6060	28)6070	29)7010	30)7020	(person trips/day)
1)1010	62.	0.	0.	21.	157.	31.	0.	0.	11.	110.	34.
2)1020	552.	0.	21.	665.	1189.	769.	607.	322.	2267.	252.	252.
3)1030	168.	0.	11.	197.	726.	762.	336.	123.	1432.	79.	79.
4)1040	238.	43.	0.	78.	363.	289.	53.	14.	543.	0.	0.
5)1050	138.	0.	0.	74.	145.	130.	46.	5.	211.	83.	83.
6)1060	281.	0.	0.	57.	204.	58.	51.	5.	475.	0.	0.
7)1070	236.	0.	0.	22.	379.	123.	14.	29.	525.	0.	0.
8)1080	372.	14.	0.	279.	349.	340.	108.	30.	1049.	512.	512.
9)1090	297.	191.	0.	169.	406.	318.	76.	11.	878.	209.	209.
10)1100	189.	8.	0.	16.	582.	53.	87.	87.	479.	117.	117.
11)2010	15.	151.	0.	14.	0.	10.	14.	69.	3275.	40.	40.
12)2020	49.	4.	0.	126.	139.	31.	0.	17.	1681.	380.	380.
13)3010	144.	0.	0.	62.	634.	54.	43.	49.	2403.	77.	77.
14)3020	32.	31.	0.	41.	730.	0.	184.	55.	1341.	9.	9.
15)3030	697.	3.	17.	101.	225.	137.	52.	21.	1723.	23.	23.
16)4010	694.	16.	5.	32.	0.	11.	23.	0.	240.	60.	60.
17)4020	904.	11.	22.	199.	163.	384.	308.	95.	1105.	83.	83.
18)4030	1421.	0.	4.	347.	16.	573.	481.	30.	186.	36.	36.
19)4040	1098.	0.	21.	251.	0.	55.	33.	347.	100.	0.	0.
20)5010	6378.	0.	0.	110.	28.	249.	49.	5184.	180.	24.	24.
21)5020	23334.	0.	0.	0.	0.	26.	20.	273.	84.	24.	24.
22)6010	0.	0.	0.	0.	0.	0.	0.	0.	185.	0.	0.
23)6020	0.	0.	0.	0.	6.	0.	74.	2.	43.	0.	0.
24)6030	0.	0.	14.	0.	102.	0.	0.	35.	474.	43.	43.
25)6040	0.	0.	6.	102.	59.	32.	51.	25.	398.	0.	0.
26)6050	26.	0.	0.	17.	32.	0.	85.	43.	249.	26.	26.
27)6060	20.	0.	74.	0.	51.	85.	40.	25.	80.	0.	0.
28)6070	273.	0.	2.	35.	25.	43.	25.	496.	133.	30.	30.
29)7010	84.	185.	43.	474.	398.	249.	80.	133.	2217.	20.	20.
30)7020	24.	0.	0.	43.	0.	26.	0.	30.	20.	23.	23.
31)7030	0.	0.	0.	0.	64.	14.	0.	0.	28.	0.	0.
32)7040	0.	0.	0.	102.	0.	0.	0.	0.	6.	0.	0.
33)7050	0.	0.	0.	102.	10.	68.	0.	27.	759.	147.	147.
34)7060	203.	0.	0.	75.	55.	23.	0.	16.	498.	287.	287.
35)7070	104.	14.	17.	154.	82.	97.	46.	110.	1202.	239.	239.
36)8000	0.	3.	0.	9.	0.	0.	9.	0.	58.	0.	0.
37)TOTAL	38032.	674.	256.	3654.	7317.	5020.	2797.	7719.	26637.	2857.	2857.

Table A B-Zone O.D. Table (Resident and Non-Resident) (4)

NAME	31)7030	32)7040	33)7050	34)7060	35)7070	36)8000	37)TOTAL
1)1010	0.	0.	0.	29.	20.	0.	11145.
2)1020	0.	0.	277.	129.	1067.	0.	88047.
3)1030	0.	34.	210.	27.	373.	0.	30514.
4)1040	32.	0.	165.	34.	362.	0.	36448.
5)1050	0.	0.	216.	39.	23.	0.	23349.
6)1060	0.	0.	20.	0.	77.	0.	34241.
7)1070	0.	0.	83.	215.	158.	0.	42166.
8)1080	306.	0.	131.	168.	607.	28.	62948.
9)1090	171.	0.	304.	217.	534.	0.	47709.
10)1100	29.	0.	39.	34.	132.	0.	35840.
11)2010	0.	3.	38.	0.	339.	0.	54252.
12)2020	85.	0.	350.	151.	71.	0.	121851.
13)3010	16.	0.	157.	153.	559.	0.	81745.
14)3020	0.	0.	63.	66.	57.	0.	61107.
15)3030	0.	57.	208.	35.	639.	0.	110382.
16)4010	16.	0.	0.	21.	6.	0.	70804.
17)4020	32.	0.	54.	301.	588.	17.	104887.
18)4030	44.	0.	79.	12.	123.	0.	84928.
19)4040	16.	0.	46.	7.	56.	0.	32788.
20)5010	17.	0.	436.	280.	2159.	0.	70659.
21)5020	0.	0.	0.	0.	116.	0.	37474.
22)6010	0.	0.	0.	0.	14.	3.	491.
23)6020	0.	0.	0.	0.	17.	0.	284.
24)6030	0.	0.	102.	75.	110.	9.	3856.
25)6040	64.	0.	10.	55.	82.	0.	7476.
26)6050	14.	0.	48.	23.	97.	0.	5084.
27)6060	0.	0.	0.	0.	46.	9.	2779.
28)6070	0.	0.	27.	16.	110.	0.	7764.
29)7010	28.	6.	759.	498.	989.	58.	26484.
30)7020	0.	0.	147.	287.	239.	0.	2979.
31)7030	13.	0.	79.	179.	56.	0.	1215.
32)7040	0.	0.	0.	24.	23.	0.	128.
33)7050	79.	0.	16.	0.	23.	95.	4029.
34)7060	179.	24.	0.	213.	0.	174.	3779.
35)7070	56.	23.	0.	0.	374.	105.	11099.
36)8000	0.	0.	95.	174.	105.	0.	638.
37)TOTAL	1195.	128.	4157.	3461.	10149.	500.	1321367.

Table B Block O.D. Table by Purpose (Resident) (1)

NAME	To Office						(person trips/day)			
	1)BL-1	2)RL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	5532.	2136.	526.	1464.	26.	0.	0.	489.	0.	10175.
2)BL-2	594.	9615.	674.	3297.	474.	13.	56.	574.	18.	15316.
3)BL-3	282.	2130.	3687.	8507.	633.	0.	123.	454.	0.	15816.
4)BL-4	543.	3228.	2062.	42197.	3394.	1925.	185.	678.	300.	54511.
5)BL-5	161.	897.	616.	15067.	9286.	2905.	333.	179.	102.	29545.
6)BL-6	12.	81.	153.	2414.	861.	11416.	76.	76.	592.	15682.
7)OUT-1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8)OUT-2	0.	0.	0.	0.	0.	0.	0.	19.	0.	19.
9)OUT-3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10)TOTAL	7124.	18087.	7719.	72947.	14674.	16259.	773.	2469.	1012.	141064.

NAME	To School						(person trips/day)			
	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	13656.	542.	52.	557.	0.	0.	0.	127.	0.	14934.
2)BL-2	1323.	15349.	433.	1824.	22.	0.	0.	23.	0.	18974.
3)BL-3	222.	867.	15806.	3560.	425.	0.	0.	0.	0.	20882.
4)BL-4	387.	476.	799.	65492.	4425.	448.	28.	0.	0.	72054.
5)BL-5	0.	13.	250.	8280.	31118.	510.	109.	0.	0.	40280.
6)BL-6	0.	0.	10.	1320.	1227.	20085.	53.	0.	150.	22847.
7)OUT-1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8)OUT-2	0.	0.	0.	57.	0.	0.	0.	16.	0.	73.
9)OUT-3	0.	0.	0.	20.	0.	0.	0.	0.	0.	20.
10)TOTAL	15589.	17248.	17349.	81109.	37218.	21044.	190.	166.	150.	190063.

NAME	To Home						(person trips/day)			
	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	22682.	2683.	1279.	2191.	203.	23.	0.	0.	0.	29062.
2)BL-2	3559.	30150.	3467.	7400.	1125.	156.	0.	0.	0.	45838.
3)BL-3	863.	1211.	25125.	3911.	1368.	165.	0.	0.	0.	30623.
4)BL-4	4266.	9472.	17139.	137727.	53251.	8946.	27.	0.	0.	210825.
5)BL-5	71.	782.	1776.	9475.	50240.	2954.	0.	0.	0.	65298.
6)BL-6	33.	2.	117.	5057.	4612.	34720.	0.	0.	0.	44540.
7)OUT-1	45.	91.	489.	1077.	700.	414.	0.	0.	0.	2816.
8)OUT-2	1259.	1047.	496.	2110.	1376.	134.	0.	0.	0.	6403.
9)OUT-3	378.	440.	106.	1904.	1083.	1761.	0.	0.	0.	5671.
10)TOTAL	33135.	45878.	47994.	170851.	93938.	49253.	27.	0.	0.	441077.

Note: Truck trips generated in and attracted to proposed industrial estates are excluded.

Table B Block O.D. Table by Purpose (Resident) (2)

Business

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	2689.	943.	22.	1278.	53.	50.	0.	469.	314.	5819.
2)BL-2	875.	7119.	506.	3362.	350.	116.	16.	312.	587.	13243.
3)BL-3	25.	630.	1448.	2740.	391.	171.	171.	238.	78.	5892.
4)BL-4	792.	2821.	1683.	43372.	4418.	2103.	681.	1867.	1012.	58750.
5)BL-5	51.	439.	292.	7901.	4760.	699.	224.	435.	564.	15366.
6)BL-6	87.	133.	158.	2891.	862.	7661.	253.	17.	347.	12410.
7)OUT-1	0.	0.	0.	302.	0.	0.	17.	0.	0.	320.
8)OUT-2	21.	71.	369.	441.	111.	0.	0.	80.	0.	1092.
9)OUT-3	0.	0.	0.	275.	72.	0.	0.	213.	538.	1098.
10)TOTAL	4540.	12157.	4478.	62562.	11017.	10800.	1365.	3631.	3441.	113988.

Shopping

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	1555.	94.	0.	1183.	0.	0.	0.	54.	19.	2906.
2)BL-2	108.	2333.	95.	1710.	0.	55.	0.	16.	0.	4318.
3)BL-3	0.	142.	1235.	2169.	20.	0.	0.	0.	0.	3587.
4)BL-4	41.	109.	138.	20903.	393.	141.	0.	13.	0.	21738.
5)BL-5	0.	0.	12.	4826.	2683.	290.	0.	0.	0.	7812.
6)BL-6	0.	21.	0.	991.	103.	3374.	0.	0.	0.	4489.
7)OUT-1	0.	0.	0.	36.	0.	0.	0.	0.	0.	36.
8)OUT-2	0.	0.	0.	31.	0.	0.	0.	45.	0.	76.
9)OUT-3	0.	0.	0.	38.	0.	0.	0.	0.	0.	38.
10)TOTAL	1705.	2699.	1501.	31887.	3200.	3860.	0.	128.	19.	44999.

Private

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	17728.	867.	61.	806.	27.	27.	18.	163.	69.	19739.
2)BL-2	879.	24106.	774.	1959.	0.	22.	0.	419.	44.	28203.
3)BL-3	36.	968.	16486.	6518.	870.	0.	50.	22.	24.	24974.
4)BL-4	646.	1877.	5151.	107753.	12367.	926.	564.	563.	176.	130022.
5)BL-5	15.	30.	726.	12667.	35055.	1355.	57.	438.	261.	50584.
6)BL-6	14.	26.	83.	1224.	822.	29959.	36.	42.	524.	32730.
7)OUT-1	0.	0.	0.	116.	70.	0.	14.	0.	0.	199.
8)OUT-2	0.	0.	0.	61.	0.	0.	0.	151.	0.	212.
9)OUT-3	0.	0.	0.	77.	45.	33.	44.	0.	0.	198.
10)TOTAL	19317.	27675.	23280.	131179.	49256.	32275.	784.	1799.	1098.	286862.

Table C Block O.D. Table by Mode (Resident)

Walking Group (Walking, Bicycle, Motorcycle)										
NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	47493.	414.	8.	0.	0.	0.	0.	79.	6.	48001.
2)BL-2	449.	50370.	586.	244.	4.	0.	10.	75.	12.	51751.
3)BL-3	8.	572.	42844.	1387.	59.	0.	26.	48.	2.	44946.
4)BL-4	0.	247.	1589.	169379.	5467.	36.	72.	110.	50.	176951.
5)BL-5	0.	4.	62.	5184.	81438.	255.	124.	39.	27.	87133.
6)BL-6	0.	0.	0.	36.	256.	62075.	47.	9.	198.	62620.
7)OUT-1	5.	10.	52.	122.	76.	44.	1.	0.	0.	310.
8)OUT-2	26.	23.	18.	59.	28.	3.	0.	11.	0.	167.
9)OUT-3	13.	8.	2.	64.	26.	100.	2.	3.	8.	226.
10)TOTAL	47994.	51648.	45162.	176476.	87354.	62512.	282.	374.	303.	472106.

Car Group (Car, Truck)										
NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	2677.	2161.	539.	2061.	103.	35.	9.	607.	269.	8461.
2)BL-2	2012.	11813.	1564.	5392.	643.	113.	13.	676.	473.	22698.
3)BL-3	362.	1768.	5325.	7831.	1204.	128.	135.	336.	67.	17156.
4)BL-4	1799.	5111.	7075.	69153.	15193.	3875.	703.	1939.	931.	105780.
5)BL-5	113.	765.	1175.	16937.	25888.	2776.	182.	649.	615.	49101.
6)BL-6	63.	108.	189.	3924.	2478.	9632.	176.	63.	627.	17260.
7)OUT-1	15.	30.	159.	591.	261.	135.	17.	0.	0.	1208.
8)OUT-2	709.	640.	551.	1559.	861.	76.	0.	156.	0.	4553.
9)OUT-3	197.	248.	60.	1273.	678.	832.	26.	161.	406.	3881.
10)TOTAL	7947.	22645.	16637.	108720.	47310.	17602.	1261.	4586.	3388.	230098.

PUV Group (Bus, PUJ, AC, Tricycle, PU-Taxi)										
NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	13672.	4690.	1393.	5417.	207.	41.	9.	617.	125.	26172.
2)BL-2	4877.	26489.	3799.	13916.	1326.	229.	49.	593.	165.	51443.
3)BL-3	1059.	3609.	13637.	18186.	2423.	209.	183.	331.	34.	39672.
4)BL-4	4874.	12624.	18307.	178911.	37588.	10576.	710.	1072.	507.	265168.
5)BL-5	185.	1392.	2436.	36095.	25816.	5662.	417.	364.	284.	72651.
6)BL-6	84.	156.	333.	9936.	5752.	35508.	196.	63.	789.	52817.
7)OUT-1	26.	52.	277.	819.	432.	235.	13.	0.	0.	1854.
8)OUT-2	524.	455.	296.	1083.	598.	56.	0.	143.	0.	3154.
9)OUT-3	168.	183.	44.	977.	496.	862.	16.	49.	124.	2918.
10)TOTAL	25468.	49650.	40522.	265340.	74638.	53377.	1594.	3232.	2028.	515849.

Note: Truck trips generated in and attracted to proposed industrial estates are excluded.

SELECTED DATA-4.9 FUTURE PERSON TRIPS IN 2000

Table A B-Zone O.D. Table (Resident and Non-resident) (I)

NAME	(person trips/day)									
	1)1010	2)1020	3)1030	4)1040	5)1050	6)1060	7)1070	8)1080	9)1090	10)1100
1)1010	1730.	2696.	441.	746.	332.	540.	341.	512.	714.	434.
2)1020	2680.	14647.	2356.	4991.	2016.	3082.	2475.	5735.	6611.	4703.
3)1030	340.	2581.	2635.	2673.	838.	1264.	705.	1191.	1774.	1004.
4)1040	635.	6317.	2426.	9668.	2526.	2153.	1604.	1899.	1958.	2541.
5)1050	260.	2074.	745.	2388.	4998.	1657.	1359.	1329.	1846.	1789.
6)1060	449.	3379.	987.	2058.	1833.	12029.	3810.	3093.	2286.	1512.
7)1070	341.	2603.	924.	1954.	1473.	3278.	14850.	3548.	2482.	1790.
8)1080	501.	4079.	1297.	2231.	1463.	2995.	3629.	13565.	7524.	2142.
9)1090	709.	6433.	1741.	2216.	1907.	2421.	2330.	7310.	11703.	2009.
10)1100	397.	4963.	1190.	2532.	1825.	1664.	1553.	1936.	1954.	5209.
11)2010	307.	878.	520.	635.	214.	743.	663.	920.	759.	519.
12)2020	725.	2367.	1283.	1976.	860.	2938.	1890.	2334.	2282.	1178.
13)3010	460.	2743.	871.	1462.	705.	2033.	1968.	2532.	2199.	1201.
14)3020	490.	2880.	1133.	1811.	1052.	2747.	3059.	2500.	2723.	1351.
15)3030	764.	5790.	1618.	3640.	2205.	4829.	5280.	7719.	4819.	2442.
16)4010	688.	3961.	2376.	2620.	1011.	1798.	1966.	2279.	2753.	1652.
17)4020	1260.	9388.	3606.	3531.	1552.	2460.	2184.	3234.	3792.	2604.
18)4030	425.	2911.	1352.	1736.	745.	1867.	1422.	1858.	2072.	999.
19)4040	223.	1000.	332.	497.	158.	468.	559.	864.	593.	403.
20)5010	330.	1019.	675.	766.	386.	1063.	599.	820.	869.	426.
21)5020	168.	604.	263.	431.	176.	557.	345.	480.	475.	228.
22)6010	0.	0.	0.	0.	0.	0.	0.	36.	24.	10.
23)6020	0.	27.	13.	0.	0.	0.	0.	0.	0.	0.
24)6030	26.	930.	275.	99.	93.	25.	108.	263.	237.	39.
25)6040	198.	1500.	915.	458.	184.	258.	478.	415.	529.	734.
26)6050	12.	954.	922.	382.	164.	55.	155.	440.	422.	85.
27)6060	0.	514.	424.	67.	58.	65.	0.	136.	96.	110.
28)6070	14.	199.	175.	54.	6.	6.	37.	38.	175.	110.
29)7010	138.	2931.	1821.	679.	264.	579.	730.	1158.	1059.	542.
30)7020	43.	341.	99.	0.	104.	0.	0.	642.	474.	147.
31)7030	306.	0.	0.	40.	0.	0.	0.	72.	214.	37.
32)7040	0.	43.	0.	0.	0.	0.	0.	0.	0.	0.
33)7050	0.	385.	262.	206.	271.	24.	104.	164.	581.	49.
34)7060	37.	162.	33.	43.	49.	0.	268.	210.	283.	43.
35)7070	24.	1387.	498.	474.	28.	403.	167.	823.	776.	165.
36)8000	0.	45.	0.	0.	0.	0.	0.	36.	0.	0.
37)TOTAL	14682.	92729.	34209.	53065.	29497.	54000.	54638.	68110.	66838.	38208.

Note: Truck trips generated in and attracted to proposed industrial estates are excluded.

Table A B-Zone O.D. Table (Resident and Non-resident) (2)

NAME	(person trips/day)									
	11)2010	12)2020	13)3010	14)3020	15)3030	16)4010	17)4020	18)4030	19)4040	20)5010
1)1070	218.	556.	518.	538.	765.	722.	1187.	588.	162.	210.
2)1020	1139.	2711.	3337.	3367.	4892.	4456.	8847.	3937.	1261.	1246.
3)1030	452.	1083.	1185.	1383.	1405.	2004.	3399.	1296.	524.	669.
4)1040	744.	1834.	1895.	2195.	3004.	2719.	5404.	1964.	621.	741.
5)1050	351.	964.	1086.	1287.	1884.	1274.	1531.	934.	401.	443.
6)1060	617.	2170.	1808.	2635.	4608.	1731.	2464.	1542.	455.	692.
7)1070	774.	2112.	2321.	2644.	5560.	2170.	2442.	1767.	781.	738.
8)1080	1001.	2284.	2793.	2615.	7083.	2546.	2687.	2109.	1077.	856.
9)1090	900.	2348.	2286.	2542.	4834.	2545.	3375.	2103.	739.	894.
10)1100	564.	1240.	1475.	1535.	2083.	1762.	2265.	1173.	525.	486.
11)2010	123127.	17456.	2892.	1503.	1617.	82.	631.	85.	31.	79.
12)2020	17872.	215573.	13018.	5807.	4885.	1108.	2331.	1052.	109.	94.
13)3010	3063.	11973.	73235.	3706.	5653.	1032.	2602.	961.	126.	177.
14)3020	1268.	4961.	3484.	68937.	5859.	1562.	2788.	1541.	17.	135.
15)3030	2106.	5121.	5638.	5966.	56692.	4854.	5065.	4161.	1460.	1806.
16)4010	88.	939.	1006.	1545.	4295.	75144.	9124.	5332.	1378.	2275.
17)4020	629.	2385.	2516.	2899.	5364.	8065.	65530.	5724.	1651.	2240.
18)4030	83.	1191.	1350.	1865.	3783.	4893.	5543.	85460.	3573.	3935.
19)4040	57.	143.	56.	127.	1184.	1312.	1422.	3630.	47437.	6333.
20)5010	165.	156.	229.	187.	1679.	2932.	2179.	4382.	5548.	83084.
21)5020	67.	126.	108.	43.	914.	1494.	1140.	2196.	2378.	10325.
22)6010	296.	42.	0.	48.	4.	23.	15.	0.	0.	0.
23)6020	53.	0.	0.	0.	21.	8.	31.	5.	34.	23.
24)6030	28.	230.	70.	65.	127.	33.	279.	491.	385.	147.
25)6040	0.	291.	990.	1430.	283.	0.	231.	23.	0.	46.
26)6050	20.	57.	92.	0.	194.	48.	544.	862.	85.	388.
27)6060	28.	0.	69.	287.	65.	33.	437.	682.	52.	77.
28)6070	135.	34.	52.	14.	26.	58.	134.	107.	542.	8104.
29)7010	6279.	3169.	3644.	2353.	1960.	361.	2135.	272.	154.	278.
30)7020	43.	676.	168.	14.	29.	0.	116.	50.	0.	37.
31)7030	0.	154.	27.	0.	0.	53.	45.	62.	25.	26.
32)7040	7.	0.	0.	0.	47.	0.	0.	0.	0.	0.
33)7050	73.	269.	275.	50.	220.	23.	176.	112.	71.	676.
34)7060	0.	277.	267.	104.	65.	29.	503.	71.	11.	627.
35)7070	648.	132.	669.	176.	1023.	8.	953.	146.	86.	3300.
36)8000	0.	0.	0.	0.	0.	0.	126.	44.	0.	0.
37)TOTAL	162895.	282636.	128558.	117870.	132098.	125083.	135682.	134863.	716984.	130985.

Table A B-Zone O.D. Table (Resident and Non-Resident) (3)

NAME	(person trips/day)										
	21)5020	22)6010	23)6020	24)6030	25)6040	26)6050	27)6060	28)6070	29)7010	30)7020	
1)1010	93.	0.	0.	0.	198.	39.	514.	14.	138.	43.	
2)1020	538.	0.	27.	839.	1500.	970.	424.	407.	2842.	316.	
3)1030	169.	0.	13.	249.	915.	962.	424.	156.	1795.	99.	
4)1040	350.	54.	0.	99.	458.	364.	67.	17.	681.	0.	
5)1050	181.	0.	0.	93.	184.	164.	58.	6.	264.	104.	
6)1060	429.	0.	0.	72.	258.	74.	65.	6.	596.	0.	
7)1070	330.	0.	0.	28.	478.	155.	18.	37.	658.	0.	
8)1080	394.	18.	0.	353.	440.	429.	136.	38.	1315.	642.	
9)1090	457.	242.	0.	214.	513.	402.	96.	14.	1101.	262.	
10)1100	192.	10.	0.	20.	734.	67.	110.	110.	601.	147.	
11)2010	52.	296.	0.	28.	0.	20.	28.	134.	6361.	77.	
12)2020	79.	7.	0.	231.	256.	57.	0.	34.	3095.	687.	
13)3010	132.	0.	0.	70.	1032.	92.	69.	88.	4173.	135.	
14)3020	47.	49.	0.	65.	1155.	292.	292.	88.	2111.	14.	
15)3030	847.	4.	21.	128.	283.	173.	65.	26.	2163.	29.	
16)4010	1367.	23.	8.	46.	0.	15.	35.	0.	339.	84.	
17)4020	1344.	15.	31.	279.	231.	544.	437.	134.	1557.	116.	
18)4030	221.	0.	5.	493.	23.	813.	682.	43.	262.	51.	
19)4040	2736.	0.	34.	391.	0.	85.	52.	541.	155.	0.	
20)5010	8772.	0.	0.	171.	44.	388.	77.	8076.	278.	37.	
21)5020	32805.	0.	0.	0.	0.	41.	31.	425.	130.	38.	
22)6010	0.	0.	0.	0.	0.	0.	0.	0.	254.	0.	
23)6020	0.	0.	0.	0.	9.	0.	102.	2.	59.	0.	
24)6030	0.	0.	19.	0.	141.	0.	0.	49.	651.	59.	
25)6040	0.	0.	9.	141.	81.	45.	70.	34.	547.	0.	
26)6050	41.	0.	0.	24.	45.	0.	117.	60.	342.	35.	
27)6060	31.	0.	102.	0.	70.	117.	55.	34.	109.	0.	
28)6070	425.	0.	2.	49.	34.	60.	34.	686.	182.	41.	
29)7010	130.	254.	59.	651.	547.	342.	109.	182.	3026.	28.	
30)7020	38.	0.	0.	59.	0.	35.	0.	41.	28.	31.	
31)7030	0.	0.	0.	0.	87.	20.	0.	0.	38.	0.	
32)7040	0.	0.	0.	0.	0.	0.	0.	0.	9.	0.	
33)7050	0.	0.	0.	140.	13.	67.	0.	37.	1035.	201.	
34)7060	315.	0.	0.	103.	75.	31.	0.	21.	679.	392.	
35)7070	161.	19.	24.	211.	113.	133.	65.	152.	1661.	326.	
36)8000	0.	4.	0.	13.	0.	0.	13.	0.	79.	0.	
37)TOTAL	54665.	995.	353.	5286.	9916.	6706.	3818.	11693.	39298.	3996.	

Table A B-Zone O.D. Table (Resident and Non-resident) (4)

NAME	31)7030	32)7040	33)7050	34)7060	35)7070	36)8000	37)TOTAL
1)1010	0.	0.	0.	0.	24.	0.	14544.
2)1020	0.	43.	348.	162.	1337.	0.	92522.
3)1030	0.	0.	264.	33.	467.	0.	33953.
4)1040	40.	0.	207.	43.	454.	0.	53683.
5)1050	0.	0.	272.	49.	28.	0.	30004.
6)1060	0.	0.	24.	0.	97.	0.	51779.
7)1070	0.	0.	104.	269.	199.	0.	56829.
8)1080	384.	0.	164.	210.	761.	36.	69800.
9)1090	214.	0.	381.	272.	669.	0.	66180.
10)1100	37.	0.	49.	43.	165.	0.	38615.
11)2010	0.	7.	73.	0.	658.	0.	161394.
12)2020	154.	0.	633.	277.	132.	0.	285325.
13)3010	27.	0.	275.	267.	628.	0.	125709.
14)3020	0.	0.	100.	104.	89.	0.	114411.
15)3030	0.	46.	260.	44.	802.	0.	136868.
16)4010	22.	0.	0.	29.	8.	0.	124183.
17)4020	45.	0.	76.	425.	830.	22.	136700.
18)4030	62.	0.	112.	17.	174.	0.	132010.
19)4040	25.	0.	71.	11.	87.	0.	70984.
20)5010	26.	0.	675.	434.	3359.	0.	129813.
21)5020	0.	0.	0.	0.	180.	0.	56169.
22)6010	0.	0.	0.	0.	19.	4.	775.
23)6020	0.	0.	0.	0.	24.	0.	410.
24)6030	0.	0.	140.	105.	151.	13.	5275.
25)6040	87.	0.	13.	75.	113.	0.	10176.
26)6050	20.	0.	67.	31.	133.	0.	6797.
27)6060	0.	0.	0.	0.	63.	13.	3794.
28)6070	0.	0.	37.	21.	152.	0.	11743.
29)7010	38.	9.	1035.	679.	1350.	79.	39027.
30)7020	0.	0.	201.	392.	326.	0.	4134.
31)7030	17.	0.	107.	245.	77.	0.	1651.
32)7040	0.	0.	0.	33.	31.	0.	169.
33)7050	107.	0.	22.	31.	31.	130.	5574.
34)7060	245.	33.	0.	291.	0.	258.	5305.
35)7070	77.	31.	0.	0.	511.	144.	15495.
36)8000	0.	0.	130.	238.	144.	0.	870.
37)TOTAL	1626.	169.	5839.	4634.	14253.	678.	2092470.

Table B Block G.D. Table by Purpose (Resident) (1)

NAME	(person trips/day)									
	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	19067.	5475.	938.	2775.	23.	0.	0.	953.	0.	29232.
2)BL-2	2529.	22598.	1511.	7159.	761.	14.	103.	1039.	32.	35747.
3)BL-3	1076.	4708.	6273.	15539.	1346.	0.	195.	716.	0.	29852.
4)BL-4	939.	4681.	3317.	50019.	5188.	3217.	235.	852.	377.	68824.
5)BL-5	154.	1551.	1180.	21597.	18005.	5623.	473.	252.	144.	48980.
6)BL-6	13.	82.	146.	4456.	1843.	21665.	119.	118.	923.	29364.
7)OUT-1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8)OUT-2	0.	0.	0.	0.	0.	0.	0.	26.	0.	26.
9)OUT-3	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10)TOTAL	23778.	39095.	13363.	101545.	27165.	30320.	1124.	3957.	1477.	242025.

NAME	(person trips/day)									
	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	34134.	1171.	122.	530.	0.	0.	0.	247.	0.	36205.
2)BL-2	2978.	35773.	783.	2645.	29.	0.	0.	42.	0.	42250.
3)BL-3	627.	1500.	27848.	4526.	964.	0.	0.	0.	0.	35465.
4)BL-4	531.	881.	1260.	74722.	4555.	859.	35.	0.	0.	82842.
5)BL-5	0.	14.	323.	8245.	48403.	1387.	154.	0.	0.	58527.
6)BL-6	0.	0.	9.	1596.	2582.	35255.	82.	0.	234.	39558.
7)OUT-1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8)OUT-2	0.	0.	0.	71.	0.	0.	0.	22.	0.	93.
9)OUT-3	0.	0.	0.	25.	0.	0.	0.	0.	0.	25.
10)TOTAL	38271.	39340.	30345.	92160.	56334.	37501.	272.	310.	234.	294966.

NAME	(person trips/day)									
	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	62704.	7287.	3319.	3251.	198.	18.	0.	0.	0.	76776.
2)BL-2	10186.	69604.	7688.	9985.	2331.	158.	0.	0.	0.	99951.
3)BL-3	1511.	2413.	41713.	4868.	2240.	153.	0.	0.	0.	52897.
4)BL-4	7622.	18066.	27371.	150870.	45620.	13132.	34.	0.	0.	262714.
5)BL-5	65.	1653.	4282.	12857.	76807.	6620.	0.	0.	0.	102284.
6)BL-6	41.	16.	135.	7574.	10375.	66889.	0.	0.	0.	85030.
7)OUT-1	89.	166.	774.	1362.	994.	646.	0.	0.	0.	4031.
8)OUT-2	2410.	1894.	782.	2651.	1943.	208.	0.	0.	0.	9888.
9)OUT-3	737.	796.	167.	2392.	1530.	2737.	0.	0.	0.	8358.
10)TOTAL	85365.	101893.	86231.	195810.	142036.	90560.	34.	0.	0.	701929.

Note: Truck trips generated in and attracted to proposed industrial estates are excluded.

Table B Block O.D. Table by Purpose (Resident) (2)

(person trips/day)

Business

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	10562.	2640.	97.	2688.	165.	181.	0.	913.	610.	17855.
2)BL-2	2112.	16100.	903.	5291.	542.	241.	29.	564.	1063.	26846.
3)BL-3	105.	1169.	3241.	4253.	536.	234.	271.	376.	124.	10308.
4)BL-4	1939.	4798.	2869.	57051.	5994.	3048.	862.	2346.	1273.	80180.
5)BL-5	175.	740.	498.	10519.	7854.	1332.	319.	614.	796.	22846.
6)BL-6	259.	379.	272.	4891.	1740.	15994.	395.	27.	538.	24494.
7)OUT-1	0.	0.	0.	382.	0.	0.	24.	0.	0.	406.
8)OUT-2	40.	128.	581.	554.	157.	0.	0.	109.	0.	1569.
9)OUT-3	0.	0.	0.	345.	102.	0.	0.	291.	736.	1474.
10)TOTAL	15192.	25955.	8460.	85975.	17088.	21029.	1899.	5240.	5140.	185978.

Shopping

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	4094.	410.	0.	2611.	0.	0.	0.	105.	36.	7258.
2)BL-2	135.	6161.	104.	2816.	0.	53.	0.	29.	0.	9297.
3)BL-3	0.	153.	2665.	2555.	50.	0.	0.	0.	0.	5424.
4)BL-4	47.	180.	183.	22622.	896.	301.	0.	16.	0.	24244.
5)BL-5	0.	0.	17.	5412.	4548.	488.	0.	0.	0.	10466.
6)BL-6	0.	12.	0.	1112.	297.	6710.	0.	0.	0.	8132.
7)OUT-1	0.	0.	0.	46.	0.	0.	0.	0.	0.	46.
8)OUT-2	0.	0.	0.	39.	0.	0.	0.	61.	0.	100.
9)OUT-3	0.	0.	0.	48.	0.	0.	0.	0.	0.	48.
10)TOTAL	4276.	6917.	2969.	37260.	5792.	7552.	0.	211.	36.	65014.

Private

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	49010.	1797.	53.	925.	22.	24.	36.	317.	134.	52295.
2)BL-2	2265.	57722.	1178.	2627.	0.	0.	0.	759.	80.	64656.
3)BL-3	37.	1793.	2752.	8410.	1039.	0.	79.	35.	38.	39183.
4)BL-4	1503.	3580.	7418.	132852.	15082.	1926.	713.	707.	221.	164001.
5)BL-5	22.	33.	905.	16765.	56063.	2790.	81.	619.	368.	77646.
6)BL-6	14.	29.	55.	1853.	2108.	52586.	57.	65.	814.	57580.
7)OUT-1	0.	0.	0.	147.	99.	0.	19.	0.	0.	265.
8)OUT-2	0.	0.	0.	77.	0.	0.	0.	207.	0.	284.
9)OUT-3	0.	0.	0.	96.	63.	52.	60.	0.	0.	272.
10)TOTAL	52850.	64954.	37362.	163751.	74476.	57378.	1046.	2708.	1656.	456181.

Table C Block O.D. Table by Mode (Resident)

Walking Group (Walking, Bicycle, Motorcycle)

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	129361.	786.	18.	0.	0.	0.	1.	154.	12.	130331.
2)BL-2	916.	113025.	889.	349.	5.	0.	19.	136.	22.	115362.
3)BL-3	11.	842.	73982.	1998.	95.	0.	41.	75.	3.	77047.
4)BL-4	0.	402.	2435.	195949.	6706.	69.	92.	138.	63.	205854.
5)BL-5	0.	6.	112.	6558.	124365.	542.	176.	55.	39.	131854.
6)BL-6	0.	0.	0.	55.	579.	114853.	74.	13.	308.	115882.
7)OUT-1	9.	18.	83.	154.	108.	69.	1.	0.	0.	442.
8)OUT-2	51.	41.	28.	74.	39.	4.	0.	15.	0.	253.
9)OUT-3	26.	15.	3.	80.	37.	156.	2.	4.	11.	335.
10)TOTAL	130373.	115135.	77550.	205218.	131935.	115693.	405.	592.	457.	777359.

Car Group (Car, Truck)

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	11077.	5960.	1376.	3988.	160.	102.	17.	1180.	525.	24385.
2)BL-2	5902.	35768.	3570.	9320.	1211.	193.	25.	1224.	856.	58067.
3)BL-3	1007.	3816.	11940.	12570.	2024.	680.	214.	529.	105.	32372.
4)BL-4	3850.	9729.	11944.	91484.	20858.	6500.	889.	2437.	1170.	148861.
5)BL-5	180.	1417.	2312.	22539.	43080.	5733.	259.	916.	868.	77303.
6)BL-6	155.	238.	244.	6683.	5566.	20133.	274.	98.	973.	34364.
7)OUT-1	29.	54.	252.	747.	371.	210.	24.	0.	0.	1688.
8)OUT-2	1380.	1158.	869.	1958.	1216.	118.	36.	214.	0.	6912.
9)OUT-3	384.	450.	94.	1600.	957.	1291.	36.	220.	555.	5587.
10)TOTAL	23963.	58590.	32602.	150889.	75442.	34448.	1736.	6817.	5053.	389540.

PUV Group (Bus, PUJ, AC, Tricycle, PU-Taxi)

NAME	1)BL-1	2)BL-2	3)BL-3	4)BL-4	5)BL-5	6)BL-6	7)OUT-1	8)OUT-2	9)OUT-3	10)TOTAL
1)BL-1	39132.	12035.	3135.	8793.	249.	99.	16.	1200.	244.	64905.
2)BL-2	13388.	59165.	7707.	20853.	2447.	297.	90.	1073.	298.	105317.
3)BL-3	2339.	7078.	23570.	25581.	4057.	219.	291.	522.	53.	63710.
4)BL-4	8731.	22055.	28037.	200703.	49769.	15913.	897.	1347.	638.	328090.
5)BL-5	236.	2568.	4781.	46299.	44235.	11966.	592.	514.	402.	111592.
6)BL-6	174.	280.	373.	14544.	12799.	64112.	305.	98.	1228.	93913.
7)OUT-1	50.	94.	439.	1035.	614.	366.	19.	0.	0.	2617.
8)OUT-2	1020.	823.	466.	1360.	844.	87.	0.	195.	0.	4795.
9)OUT-3	327.	331.	69.	1228.	701.	1341.	22.	67.	169.	4255.
10)TOTAL	65397.	104429.	68578.	320394.	115715.	94399.	2234.	5017.	3033.	779194.

Note: Truck trips generated in and attracted to proposed industrial estates are excluded.

SELECTED DATA - 4.10
STREAM OF ECONOMIC COST AND BENEFIT BY PROJECT PACKAGE
AND BY PHASE FOR ECONOMIC EVALUATION

Table A	Economic Evaluation of Masterplan I (1981-1985)
Table B	Economic Evaluation of Masterplan II (1986-1990)
Table C	Economic Evaluation of Masterplan III (1991-2000)
Table D	Economic Evaluation of Masterplan I (1981-1985) - Poblacion
Table E	Economic Evaluation of Masterplan II (1986-1990) -- Poblacion
Table F	Economic Evaluation of Masterplan III (1991-2000) - Poblacion
Table G	Economic Evaluation of Masterplan I (1981-1985) - North Project Area
Table H	Economic Evaluation of Masterplan II (1986-1990) - North project Area
Table I	Economic Evaluation of Masterplan III (1991-2000) - North Project Area
Table J	Economic Evaluation of Masterplan II (1986-1990) - South Project Area
Table K	Economic Evaluation of Masterplan III (1991-2000) - South Project Area
Table L	Economic Evaluation of Davao Traverse Road Project I (1981-1985)
Table M	Economic Evaluation of Davao Traverse Road Project II (1986-1990)
Table N	Economic Evaluation of Davao Traverse Road Project III (1991-2000)
Table O	Economic Evaluation of Coastal Road Project II (1986 -1990)
Table P	Economic Evaluation of Coastal Road Project III (1991-2000)

- Table Q Economic Evaluation of Ring Road Project I (1981-1985)
- Table R Economic Evaluation of Ring Road Project II (1986-1990)
- Table S Economic Evaluation of Ring Road Project III (1991-2000)
- Table T Economic Evaluation of North Diversion Road Project I (1981-1985)
- Table U Economic Evaluation of North Diversion Road Project II (1986-1990)
- Table V Economic Evaluation of North Diversion Road Project III (1991-2000)

TABLE A ECONOMIC EVALUATION OF MASTER PLAN I
(1981 - 1985)

	ECONOMIC BENEFIT (P Million)												
	Before Discount		After Discount		FS/DD	Economic Cost Before Land Acquisition		Discount Compensation for Property		Total			
	Before Discount	After Discount	Before Land Acquisition	Discount		Discount	Compensation for Property	Const.	Maint.		After Discount		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
1983	25.0	16.5	16.5	16.5	2.1	9.1	2.3	15.9	0.0	15.9	0.0	0.0	29.4
1984	28.0	16.0	16.0	16.0	0.0	6.8	2.5	35.4	-0.0	35.4	-0.0	-0.0	44.7
1985	31.3	15.6	15.6	15.6	0.0	0.0	0.0	14.2	-0.0	14.2	-0.0	-0.0	14.2
1986	35.0	15.1	15.1	15.1	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
1987	39.1	14.7	14.7	14.7	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
1988	43.8	14.3	14.3	14.3	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
1989	48.9	13.9	13.9	13.9	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
1990	54.7	13.5	13.5	13.5	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
1991	61.2	13.1	13.1	13.1	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
1992	68.4	12.8	12.8	12.8	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
1993	76.5	12.4	12.4	12.4	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
1994	85.5	12.1	12.1	12.1	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
1995	95.6	11.7	11.7	11.7	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
1996	106.9	11.4	11.4	11.4	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
1997	119.5	11.1	11.1	11.1	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
1998	133.6	10.8	10.8	10.8	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
1999	149.4	10.5	10.5	10.5	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
2000	167.0	10.2	10.2	10.2	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0
Residual Values					0.0	15.9	0.6	9.7	0.0	15.9	0.0	0.0	26.2
Total	1,369.4	235.9	235.9	235.9	3.8	0.0	4.2	55.8	-0.6	0.0	-0.6	-0.6	63.1
													51.5

TABLE B ECONOMIC EVALUATION OF MASTER PLAN II (1986 - 1990)

	ECONOMIC BENEFIT (\$ Million)									
	Economic Cost (\$ Million)					Economic Cost (\$ Million)				
	Before Discount	After Discount	FS/DD	Before Land Acquisition	Discount Compensation for Property	Const.	Maint.	Total	After Discount	Residual Values
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.4	0.4
1984	0.0	0.0	1.6	3.2	1.2	0.0	0.0	6.0	3.4	3.4
1985	0.0	0.0	2.0	23.6	13.8	6.3	0.0	45.7	22.7	22.7
1986	42.3	18.3	1.6	14.8	5.2	38.9	0.0	60.5	26.2	26.2
1987	46.1	17.3	1.0	15.9	4.2	19.0	-0.0	40.1	15.1	15.1
1988	50.2	16.4	1.6	5.9	3.2	26.6	-1.1	37.2	12.2	12.2
1989	54.8	15.6	0.0	10.2	1.9	29.2	-1.1	41.2	11.7	11.7
1990	59.7	14.7	0.0	0.0	0.0	9.8	-1.1	9.7	2.4	2.4
1991	65.0	14.0	0.0	0.0	0.0	0.0	-1.1	-1.1	-0.0	-0.0
1992	70.9	13.2	0.0	0.0	0.0	0.0	-1.1	-1.1	-0.0	-0.0
1993	77.2	12.6	0.0	0.0	0.0	0.0	-1.1	-1.1	-0.0	-0.0
1994	84.2	11.9	0.0	0.0	0.0	0.0	-1.1	-1.1	-0.0	-0.0
1995	91.7	11.3	0.0	0.0	0.0	0.0	-1.1	-1.1	-0.0	-0.0
1996	100.0	10.7	0.0	0.0	0.0	0.0	-1.1	-1.1	-0.0	-0.0
1997	108.9	10.1	0.0	0.0	0.0	0.0	-1.1	-1.1	-0.0	-0.0
1998	118.7	9.6	0.0	0.0	0.0	0.0	-1.1	-1.1	-0.0	-0.0
1999	129.4	9.1	0.0	0.0	0.0	0.0	-1.1	-1.1	-0.0	-0.0
2000	141.0	8.6	0.0	0.0	0.0	0.0	-1.1	-1.1	-0.0	-0.0
Residual Values			0.0	73.6	7.4	42.1	0.0	123.1	7.5	7.5
Total	1,240.1	193.4	8.4	0.0	22.1	87.1	-1.2	117.0	86.4	86.4

TABLE C ECONOMIC EVALUATION OF MASTER PLAN III
(1991 - 2000)

	ECONOMIC BENEFIT (₹ Million)		FS/DD	Economic Cost (₹ Million)			Total	After Discount
	Before Discount	After Discount		Before Land Ac- quisition	Discount Compensation for Property	Const. Maint.		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	0.0	0.0	0.5	0.0	0.0	0.0	1.5	0.5
1989	0.0	0.0	1.0	2.9	2.4	0.0	6.3	1.8
1990	0.0	0.0	1.3	17.4	5.3	15.1	39.1	9.7
1991	122.7	26.4	1.5	16.3	4.0	36.3	58.1	12.5
1992	131.1	24.5	0.1	3.4	1.1	25.3	29.9	5.6
1993	140.1	22.8	3.3	18.4	46.5	22.3	90.6	14.7
1994	149.7	21.2	2.0	7.4	0.6	46.2	56.2	7.9
1995	160.0	19.7	0.5	22.0	27.5	49.1	99.1	12.2
1996	171.0	18.3	2.0	21.5	33.2	51.3	108.1	11.6
1997	182.7	17.0	1.5	12.6	0.0	38.1	52.4	4.9
1998	195.3	15.8	0.4	25.4	19.3	27.0	72.2	5.8
1999	208.7	14.7	0.0	12.6	4.0	68.0	84.7	6.0
2000	223.0	13.6	0.0	0.0	0.0	38.3	38.5	2.4
Residual Values			0.0	159.9	98.4	306.1	564.4	34.5
Total	1,684.1	193.8	15.2	0.0	45.5	110.9	172.2	60.9

TABLE D ECONOMIC EVALUATION OF MASTER PLAN I
(1981-1985) - Poblacion

	ECONOMIC BENEFIT (₱ Million)		FS/DD	Economic Cost (₱ Million)			Total	After Discount
	Before Discount	After Discount		Before Land Ac- quisition	Discount for Property Compensation	Const.		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.4
1983	5.4	3.6	0.1	0.0	0.0	15.9	16.0	10.5
1984	6.0	3.5	1.8	0.0	0.0	2.7	4.5	2.6
1985	6.8	3.4	0.0	0.0	0.0	19.0	19.0	9.4
1986	7.5	3.3	0.0	0.0	0.0	0.0	-0	-0
1987	8.4	3.2	0.0	0.0	0.0	0.0	-0	-0
1988	9.4	3.1	0.0	0.0	0.0	0.0	-0	-0
1989	10.5	3.0	0.0	0.0	0.0	0.0	-0	-0
1990	11.8	2.9	0.0	0.0	0.0	0.0	-0	-0
1991	13.2	2.8	0.0	0.0	0.0	0.0	-0	-0
1992	14.7	2.8	0.0	0.0	0.0	0.0	-0	-0
1993	16.5	2.7	0.0	0.0	0.0	0.0	-0	-0
1994	18.4	2.6	0.0	0.0	0.0	0.0	-0	-0
1995	20.6	2.5	0.0	0.0	0.0	0.0	-0	-0
1996	23.0	2.5	0.0	0.0	0.0	0.0	-0	-0
1997	25.8	2.4	0.0	0.0	0.0	0.0	-0	-0
1998	28.8	2.3	0.0	0.0	0.0	0.0	-0	-0
1999	32.2	2.3	0.0	0.0	0.0	0.0	-0	-0
2000	36.0	2.2	0.0	0.0	0.0	0.0	-0	-0
Residual Values			0.0	0.0	0.0	5.8	5.8	0.4
Total	295.2	50.8	2.4	0.0	0.0	31.8	33.8	22.5

TABLE E ECONOMIC EVALUATION OF MASTER PLAN II
(1986-1990) - Poblacion

	ECONOMIC COST (P Million)											
	ECONOMIC BENEFIT (P Million)					ECONOMIC COST (P Million)						
	Before Discount	After Discount	FS/DD	Land Acquisition	Compensation for Property	Before Discount	Land Acquisition	Compensation for Property	Const.	Maint.	Total	After Discount
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.7
1985	0.0	0.0	1.8	18.2	11.1	11.1	0.0	0.0	0.0	0.0	31.1	15.5
1986	26.4	11.4	0.7	13.6	5.2	5.2	27.2	0.0	27.2	0.0	46.7	20.2
1987	28.8	10.8	0.6	12.8	1.9	1.9	12.9	0.0	12.9	0.0	28.2	10.6
1988	31.4	10.2	1.6	1.9	1.0	1.0	8.9	0.0	8.9	0.0	13.4	4.4
1989	34.2	9.7	0.0	10.2	1.9	1.9	13.0	0.0	13.0	0.0	25.1	7.1
1990	37.2	9.2	0.0	0.0	0.0	0.0	9.8	0.0	9.8	0.0	9.8	2.4
1991	40.6	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	44.2	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993	48.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	52.5	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	57.2	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	62.4	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	68.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	74.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	80.7	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	88.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Residual Values						56.7	23.4	5.2	0.0	0.0	85.3	5.2
Total	773.9	120.7	5.9	0.0	15.9	0.0	48.4	0.0	-1	70.1	55.6	

TABLE F ECONOMIC EVALUATION OF MASTER PLAN III
(1991-2000) - Poblacion

	ECONOMIC BENEFIT (₱ Million)											
	Economic Cost (₱ Million)					FS/DD	Economic Benefit (₱ Million)				After Discount	
	Before Discount	After Discount	Before Discount	Land Ac- quisition	Compensation for Property		Const.	Maint.	Total	After Discount		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	0.0	0.0	0.0	4.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
1991	18.2	3.9	0.0	14.3	0.0	0.0	2.9	0.0	0.0	0.0	0.0	1.4
1992	19.4	3.6	0.0	6.0	0.1	0.1	1.0	0.0	0.0	0.0	0.0	5.3
1993	20.7	3.4	0.0	3.9	2.4	0.0	1.9	0.0	0.0	0.0	0.0	3.4
1994	22.2	3.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	2.7
1995	23.7	2.9	0.0	12.8	0.0	0.0	26.3	0.0	0.0	0.0	0.0	3.8
1996	25.3	2.7	0.0	15.9	0.2	0.6	31.5	0.0	0.0	0.0	0.0	7.7
1997	27.0	2.5	0.0	22.3	0.6	0.6	44.5	0.0	0.0	0.0	0.0	8.0
1998	28.9	2.3	0.0	18.7	0.0	0.0	18.0	9.2	0.1	0.1	0.1	7.1
1999	30.9	2.2	0.0	3.8	0.0	0.0	0.5	11.5	0.1	0.1	0.1	3.9
2000	33.0	2.0	0.0	0.0	0.0	0.0	0.0	42.9	0.1	0.1	0.1	3.3
Residual Values			0.0	102.5	0.0	0.0	96.5	130.7	0.0	0.0	0.0	20.1
Total	249.2	28.7	4.3	0.0	43.4	0.5	78.3	26.9				

TABLE G ECONOMIC EVALUATION OF MASTER PLAN I
(1981-1985) - North Project Area

	ECONOMIC BENEFIT (\$ Million)		FS/DD	Economic Cost (\$ Million)		Const.	Maint.	Total	After Discount
	Before Discount	After Discount		Before Discount	After Discount				
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	0.8
1983	0.0	0.0	0.3	9.1	2.3	0.0	0.0	11.7	7.7
1984	8.4	4.8	0.0	6.8	2.5	15.0	0.0	24.3	13.9
1985	9.3	4.6	0.0	0.0	0.0	12.9	-0.0	12.9	6.4
1986	10.3	4.4	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1987	11.4	4.3	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1988	12.6	4.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1989	13.9	3.9	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1990	15.4	3.8	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1991	17.0	3.7	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1992	18.8	3.5	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1993	20.8	3.4	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1994	23.0	3.2	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1995	25.4	3.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1996	28.1	3.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1997	31.1	2.9	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1998	34.3	2.8	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1999	38.0	2.7	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
2000	42.0	2.6	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
Residual Values			0.0	15.9	0.6	4.8	0.0	21.3	1.3
Total	359.5	60.8	1.4	0.0	4.2	23.1	-0.3	28.4	27.5

TABLE H ECONOMIC EVALUATION OF MASTER PLAN II (1986-1990) - North Project Area

	ECONOMIC BENEFIT (₹ Million)									
	Economic Cost (₹ Million)					Economic Benefit (₹ Million)				
	Before Discount	After Discount	FS/DD	Land Acquisition	Compensation for Property	Const.	Maint.	Total	After Discount	Residual Value
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.0	0.4
1984	0.0	0.0	0.0	3.2	1.2	0.0	0.0	4.4	0.0	2.5
1985	0.0	0.0	0.2	3.2	1.2	6.3	0.0	10.9	0.0	5.4
1986	5.1	2.2	0.9	1.3	0.0	6.3	0.0	8.5	0.0	3.7
1987	5.6	2.1	0.0	3.1	2.2	6.1	-0.0	11.4	0.0	4.3
1988	6.1	2.0	0.0	2.6	2.2	11.0	-0.0	15.8	0.0	5.2
1989	6.6	1.9	0.0	0.0	0.0	8.2	-0.0	8.2	0.0	2.3
1990	7.2	1.8	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0
1991	7.8	1.7	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0
1992	8.5	1.6	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0
1993	9.3	1.5	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0
1994	10.1	1.4	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0
1995	11.1	1.4	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0
1996	12.1	1.3	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0
1997	13.1	1.2	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0
1998	14.3	1.2	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0
1999	15.6	1.1	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0
2000	17.0	1.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0
Residual Values			0.0	13.4	1.8	11.8	0.0	27.0	0.0	1.7
Total	149.5	23.3	1.7	0.0	4.9	26.1	-0.4	32.3	-0.4	22.1

TABLE I ECONOMIC EVALUATION OF MASTER PLAN III
(1991-2000) - North Project Area

	ECONOMIC BENEFIT (₹ Million)		FS/DD	Economic Cost (₹ Million)			Total	After Discount
	Before Discount	After Discount		Before Land Ac- quisition	Discount Compensation for Property	Const. Maint.		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.3
1989	0.0	0.0	0.0	1.5	1.2	0.0	2.7	0.8
1990	0.0	0.0	0.4	1.5	1.2	9.7	12.8	3.2
1991	35.2	7.6	1.5	0.7	0.0	9.7	11.9	2.6
1992	37.6	7.0	0.0	1.9	0.0	7.0	8.9	1.7
1993	40.2	6.5	0.1	1.4	0.0	12.1	13.6	2.2
1994	43.0	6.1	1.8	1.4	0.0	12.0	15.2	2.1
1995	45.9	5.6	0.2	1.6	0.0	16.9	18.7	2.3
1996	49.1	5.2	1.8	1.7	0.0	11.9	15.4	1.6
1997	52.4	4.9	0.0	3.4	0.0	13.9	17.3	1.6
1998	56.0	4.5	0.1	1.7	0.0	23.1	24.9	2.0
1999	59.9	4.2	0.0	2.9	0.0	11.1	14.0	1.0
2000	64.0	3.9	0.0	0.0	0.0	14.8	14.8	0.9
Residual Values			0.0	19.7	1.0	103.7	124.4	7.6
Total	483.3	55.6	6.9	0.0	1.4	38.5	46.9	14.7

TABLE J ECONOMIC EVALUATION OF MASTER PLAN II
(1986-1990) - South Project Area

	ECONOMIC BENEFIT (₹ Million)		FS/DD	Economic Cost (₹ Million)			Total	After Discount
	Before Discount	After Discount		Before Discount	Land Ac- quisition	Compensation for Property		
				Const.	Maint.			
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1984	0.0	0.0	0.4	0.0	0.0	0.0	0.2	
1985	0.0	0.0	0.0	2.1	0.0	0.0	1.8	
1986	4.2	1.8	0.0	0.0	5.4	0.0	2.3	
1987	4.6	1.7	0.4	0.0	0.0	-0.0	0.1	
1988	5.0	1.6	0.0	1.4	6.7	-0.0	2.6	
1989	5.4	1.5	0.0	0.0	8.0	-0.0	2.3	
1990	5.9	1.5	0.0	0.0	0.0	-1.1	-0.0	
1991	6.5	1.4	0.0	0.0	0.0	-1.1	-0.0	
1992	7.0	1.3	0.0	0.0	0.0	-1.1	-0.0	
1993	7.7	1.2	0.0	0.0	0.0	-1.1	-0.0	
1994	8.4	1.2	0.0	0.0	0.0	-1.1	-0.0	
1995	9.1	1.1	0.0	0.0	0.0	-1.1	-0.0	
1996	9.9	1.1	0.0	0.0	0.0	-1.1	-0.0	
1997	10.8	1.0	0.0	0.0	0.0	-1.1	-0.0	
1998	11.8	1.0	0.0	0.0	0.0	-1.1	-0.0	
1999	12.8	0.9	0.0	0.0	0.0	-1.1	-0.0	
2000	14.0	0.9	0.0	0.0	0.0	-1.1	-0.0	
Residual Values			0.0	3.5	0.3	6.9	0.0	
Total	123.1	19.2	0.8	0.0	1.3	13.2	14.6	
						-0.7	8.7	

TABLE K ECONOMIC EVALUATION OF MASTER PLAN III
(1991-2000) - South Project Area.

	ECONOMIC BENEFIT (P Million)									
	Economic Cost (P Million)					Economic Benefit (P Million)				
	Before Discount	After Discount	FS/DD	Before Land Acquisition	Discount Compensation for Property	Const.	Maint.	Total	After Discount	Residual Value
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.2	0.8
1989	0.0	0.0	0.3	1.4	1.2	0.0	0.0	2.9	3.0	3.0
1990	0.0	0.0	0.8	3.7	2.1	5.4	0.0	14.1	3.0	3.0
1991	45.1	9.7	0.0	1.5	1.1	11.5	0.0	10.2	1.9	1.9
1992	48.2	9.0	0.0	1.5	1.1	7.6	0.0	8.5	1.4	1.4
1993	51.5	8.4	0.9	0.0	0.0	7.6	0.0	6.8	1.0	1.0
1994	55.0	7.8	0.2	6.0	0.6	0.0	0.0	19.6	2.4	2.4
1995	58.8	7.2	0.1	8.9	2.1	8.5	0.0	16.0	1.7	1.7
1996	62.9	6.7	0.4	1.2	0.3	14.1	0.0	10.7	1.0	1.0
1997	67.2	6.2	1.0	2.7	1.4	5.6	-0	16.0	1.3	1.3
1998	71.8	5.8	0.4	4.9	1.3	9.4	-0	23.4	1.6	1.6
1999	76.7	5.4	0.0	5.9	3.5	14.0	-0	17.3	1.1	1.1
2000	82.0	5.0	0.0	0.0	0.0	17.3	0.0	7.5	7.5	7.5
Residual Values			0.0	37.7	10.0	74.9	0.0	122.7		
Total	619.3	71.2	4.6	0.0	4.7	26.1	0.0	35.3		12.8

TABLE L ECONOMIC EVALUATION OF DAVAO TRAVERSE ROAD
PROJECT I (1981- 1985)

	ECONOMIC BENEFIT (P Million)		FS/DD	Economic Cost (P Million)		Const.	Maint.	Total	After Discount
	Before Discount	After Discount		Before Discount	After Discount				
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	0.8
1983	0.0	0.0	0.0	9.1	0.0	0.0	0.0	11.4	7.5
1984	9.6	5.5	1.8	5.3	15.0	0.0	0.0	23.5	13.4
1985	10.6	5.3	0.0	0.0	25.2	-0.0	-0.0	25.2	12.5
1986	11.7	5.1	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
1987	13.0	4.9	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
1988	14.4	4.7	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
1989	15.9	4.5	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
1990	17.6	4.3	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
1991	19.4	4.2	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
1992	21.5	4.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
1993	23.7	3.9	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
1994	26.2	3.7	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
1995	29.0	3.6	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
1996	32.1	3.4	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
1997	35.5	3.3	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
1998	39.3	3.2	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
1999	43.4	3.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
2000	48.0	2.9	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Residual Values			0.0	14.4	7.3	0.0	0.0	22.1	1.4
Total	410.9	69.5	2.9	0.0	32.9	-0.0	-0.0	39.0	32.9

TABLE M ECONOMIC EVALUATION OF DAVAO TRAVERSE ROAD PROJECT II (1986-1990)

	ECONOMIC BENEFIT (₱ Million)		FS/DD	Economic Cost (₱ Million)				Total	After Discount
	Before Discount	After Discount		Before Land Ac- quisition	Discount Compensation for Property	Const.	Maint.		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1983	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.4	
1984	0.0	0.0	0.0	3.2	1.2	0.0	4.4	2.5	
1985	0.0	0.0	1.1	3.2	1.2	6.3	11.8	5.9	
1986	33.3	14.4	1.2	0.0	0.0	10.2	11.4	4.9	
1987	36.3	13.6	0.4	2.6	2.2	3.5	8.7	3.3	
1988	39.5	12.9	0.8	2.6	2.2	11.1	16.7	5.5	
1989	43.1	12.3	0.0	0.0	0.0	14.3	14.3	4.1	
1990	47.0	11.6	0.0	0.0	0.0	0.0	-0.0	-0.0	
1991	51.2	11.0	0.0	0.0	0.0	0.0	-0.0	-0.0	
1992	55.8	10.4	0.0	0.0	0.0	0.0	-0.0	-0.0	
1993	60.8	9.9	0.0	0.0	0.0	0.0	-0.0	-0.0	
1994	66.3	9.4	0.0	0.0	0.0	0.0	-0.0	-0.0	
1995	72.2	8.9	0.0	0.0	0.0	0.0	-0.0	-0.0	
1996	78.7	8.4	0.0	0.0	0.0	0.0	-0.0	-0.0	
1997	85.8	8.0	0.0	0.0	0.0	0.0	-0.0	-0.0	
1998	93.5	7.6	0.0	0.0	0.0	0.0	-0.0	-0.0	
1999	101.9	7.2	0.0	0.0	0.0	0.0	-0.0	-0.0	
2000	111.0	6.8	0.0	0.0	0.0	0.0	-0.0	-0.0	
Residual Values				11.6	1.8	14.5	27.9	1.7	
Total	976.2	152.2	4.1	0.0	4.9	30.9	39.6	24.7	

TABLE N ECONOMIC EVALUATION OF DAVAO TRAVERSE ROAD PROJECT III (1991-2000)

	ECONOMIC BENEFIT (₱ Million)		Economic Cost (₱ Million)				Total	After Discount
	Before Discount	After Discount	Before Discount	Land Ac- quisition	Compensation for Property	Maint.		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991	74.8	16.1	2.2	2.2	1.1	1.1	15.1	21.5
1992	79.9	14.9	1.5	1.5	1.1	1.1	15.1	18.4
1993	85.4	13.9	0.0	0.0	0.0	0.0	14.5	17.1
1994	91.3	12.9	0.0	0.0	0.0	0.0	7.6	7.6
1995	97.6	12.0	0.0	0.0	0.0	0.0	0.0	-0
1996	104.3	11.1	0.0	0.0	0.0	0.0	0.0	-0
1997	111.4	10.4	15.9	13.1	44.5	17.8	9.2	65.2
1998	119.1	9.6	15.9	18.0	18.0	7.7	7.7	67.3
1999	127.3	8.9	0.9	0.5	0.5	42.2	42.2	41.6
2000	136.0	8.3	0.0	0.0	0.0	5.5	5.5	43.6
Residual Values			55.3	78.2	23.3	97.3	0.0	230.8
Total	1,027.1	118.2	0.0	23.3	37.4	-1	63.6	21.6

TABLE O ECONOMIC EVALUATION OF COASTAL ROAD PROJECT II (1986-1990)

	ECONOMIC BENEFIT (P Million)		FS/DD	Economic Cost (P Million)				Total	After Discount
	Before Discount	After Discount		Before Land Ac- quisition	Discount Compensation for Property	Const.	Maint.		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.6	0.6
1985	0.0	0.0	0.0	3.3	1.6	0.0	4.9	2.4	2.4
1986	0.3	0.1	0.0	0.0	0.0	9.2	9.2	4.0	4.0
1987	0.3	0.1	0.3	0.0	0.0	0.0	0.3	0.1	0.1
1988	0.4	0.1	0.0	1.9	1.0	0.0	2.9	0.9	0.9
1989	0.4	0.1	0.0	0.0	0.0	1.5	1.5	0.4	0.4
1990	0.4	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1991	0.5	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1992	0.5	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1993	0.5	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1994	0.6	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1995	0.7	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1996	0.7	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1997	0.8	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1998	0.8	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
1999	0.9	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
2000	1.0	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0
Residual Values			0.0	5.2	0.7	2.9	8.8	0.5	
Total	8.8	1.4	1.3	0.0	1.9	7.8	11.0	7.9	

TABLE P ECONOMIC EVALUATION OF COASTAL ROAD PROJECT III (1991 - 2000)

	ECONOMIC BENEFIT (P Million)		FS/DD	Economic Cost (P Million)				Total	After Discount
	Before Discount	After Discount		Before Land Ac- quisition	Discount Compensation for Property	Const.	Maint.		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.1
1990	0.0	0.0	0.7	7.1	1.0	0.0	0.0	8.8	2.2
1991	50.1	10.8	0.0	9.4	1.9	13.6	0.0	24.9	5.4
1992	53.5	10.0	0.0	6.0	1.0	8.4	0.0	15.4	2.9
1993	57.2	9.3	3.3	3.9	1.9	5.7	0.0	14.8	2.4
1994	61.1	8.6	0.2	6.0	0.6	26.6	0.1	33.5	4.7
1995	65.3	8.0	0.0	8.9	2.1	32.2	0.1	43.3	5.3
1996	69.8	7.5	0.0	0.0	0.0	14.1	0.1	14.2	1.5
1997	74.6	6.9	1.1	0.0	0.0	0.0	0.1	1.2	0.1
1998	79.7	6.4	0.4	7.8	1.3	0.0	0.1	9.6	0.8
1999	85.2	6.0	0.0	6.6	1.9	14.7	0.1	23.3	1.6
2000	91.0	5.6	0.0	0.0	0.0	12.7	0.1	12.8	0.8
Residual Values			0.0	55.7	7.8	90.5	0.0	154.0	9.4
Total	687.2	79.1	6.0	0.0	3.9	37.5	0.5	47.9	18.4

TABLE Q ECONOMIC EVALUATION OF RING ROAD PROJECT I (1981-1985)

	ECONOMIC BENEFIT (₹ Million)		FS/DD	Economic Cost (₹ Million)				Total	After Discount
	Before Discount	After Discount		Before Land Acquisition	Discount Compensation for Property	Const.	Maint.		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.3
1983	1.0	0.7	0.0	0.0	0.0	6.6	0.0	6.6	4.3
1984	1.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	1.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	1.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989	2.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	2.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991	2.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	2.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993	3.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	3.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995	4.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	4.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997	5.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998	5.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	6.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000	7.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Residual Values			0.0	0.0	0.0	0.0	0.0	0.7	0.0
Total	57.4	9.9	0.4	0.0	0.0	5.9	-2	6.1	4.6

TABLE R ECONOMIC EVALUATION OF RING ROAD PROJECT II (1986-1990)

	ECONOMIC BENEFIT (₹ Million)		FS/DD	Economic Cost (₹ Million)			Total	After Discount
	Before Discount	After Discount		Before Land Ac- quisition	Discount for Property Compensation	Const.		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.5
1985	0.0	0.0	0.4	9.7	7.2	0.0	17.3	8.6
1986	0.0	0.0	0.3	12.8	4.3	8.2	25.6	11.1
1987	12.6	4.7	0.0	12.8	1.9	5.2	19.9	7.5
1988	13.7	4.5	0.8	0.0	0.0	6.0	6.8	2.2
1989	14.8	4.2	0.0	10.2	1.9	5.4	17.5	5.0
1990	16.1	4.0	0.0	0.0	0.0	9.8	9.8	2.4
1991	17.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0
1992	18.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0
1993	20.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0
1994	22.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0
1995	24.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
1996	26.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0
1997	28.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0
1998	30.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0
1999	33.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0
2000	36.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0
Residual Values			0.0	45.5	3.8	12.3	61.6	3.8
Total	314.2	46.5	2.3	0.0	11.5	22.3	36.6	33.5

TABLE S ECONOMIC EVALUATION OF RING ROAD PROJECT III (1991-2000)

	ECONOMIC BENEFIT (₹ Million)		Economic Cost (₹ Million)					Total	After Discount
	Before Discount	After Discount	FS/DD	Before Discount	Land Ac- quisition	Compensation for Property	Const.		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	0.0	0.0	0.7	4.8	0.0	0.0	0.0	0.0	1.4
1991	8.2	1.8	0.0	11.0	1.9	0.0	7.6	0.0	4.4
1992	8.8	1.6	0.1	0.0	0.0	0.0	8.4	0.0	1.6
1993	9.4	1.5	2.4	3.9	1.9	0.0	2.6	0.0	1.8
1994	10.1	1.4	0.0	0.0	0.0	0.0	26.6	0.0	3.8
1995	10.8	1.3	0.0	0.0	0.0	0.0	23.7	0.0	2.9
1996	11.5	1.2	0.2	0.0	0.0	0.0	5.1	0.0	0.6
1997	12.3	1.1	0.6	9.2	0.0	0.0	0.0	0.0	0.9
1998	13.1	1.1	0.0	3.8	0.5	0.0	3.9	0.0	0.7
1999	14.0	1.0	0.0	3.8	0.5	0.0	6.2	0.1	0.7
2000	15.0	0.9	0.0	0.0	0.0	0.0	6.2	0.1	0.4
Residual Values			0.0	36.5	3.0		63.5	0.0	6.2
Total	113.3	13.0	4.0	0.0	1.8		27.8	0.3	12.8

TABLE I
ECONOMIC EVALUATION OF NORTH DIVERSION ROAD
PROJECT I (1981-1985)

	ECONOMIC BENEFIT (P Million)		FS/DD	Economic Cost (P Million)				Total	After Discount
	Before Discount	After Discount		Before Land Ac- quisition	Discount Compensation for Property	Const.	Maint.		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	1.5	1.2	0.0	0.0	0.0	0.0
1985	2.7	1.4	0.0	0.0	0.0	5.4	0.0	0.0	1.5
1986	3.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	2.7
1987	3.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	5.4
1988	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	2.7
1989	4.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	5.4
1990	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	2.7
1991	4.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4
1992	5.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
1993	5.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	5.4
1994	6.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	2.7
1995	6.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	5.4
1996	7.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.7
1997	8.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	5.4
1998	9.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.7
1999	10.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	5.4
2000	11.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.7
Residual Values			0.0	1.5	0.2	1.1	0.0	2.8	0.2
Total	96.2	15.7	0.3	0.0	1.0	4.3	-2	5.5	4.2

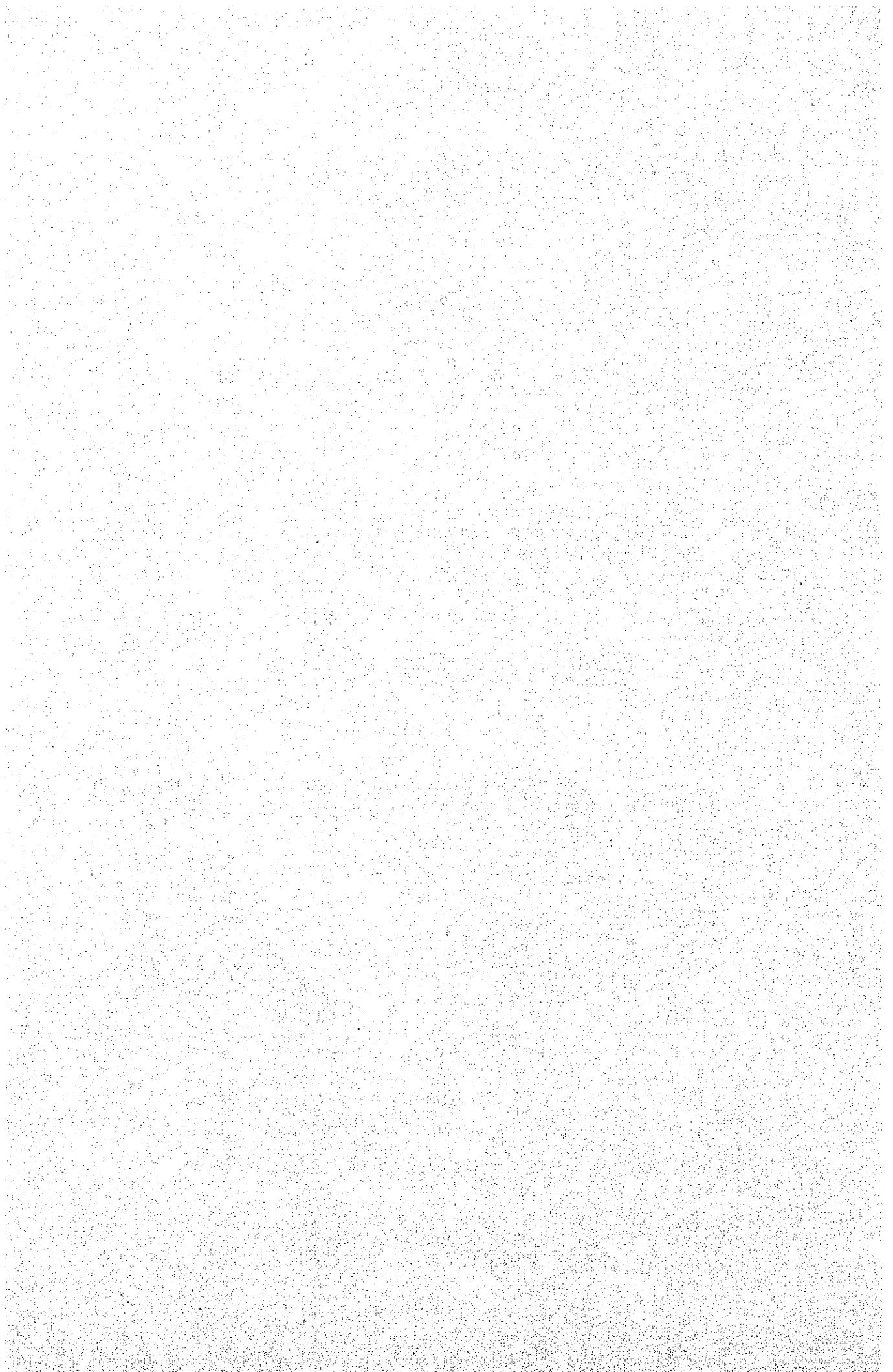
TABLE U ECONOMIC EVALUATION OF NORTH DIVERSION ROAD PROJECT II (1986-1990)

	ECONOMIC BENEFIT (₹ Million)		FS/DD	Economic Cost (₹ Million)			Total	After Discount
	Before Discount	After Discount		Before Discount	Land Ac- quisition	Compensation for Property		
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
1987	0.0	0.0	0.0	0.5	0.0	0.0	0.5	0.2
1988	0.8	0.3	0.0	0.0	0.0	2.8	2.8	0.9
1989	0.9	0.2	0.0	0.0	0.0	0.0	-0.0	-0.0
1990	0.9	0.2	0.0	0.0	0.0	0.0	-0.0	-0.0
1991	1.0	0.2	0.0	0.0	0.0	0.0	-0.0	-0.0
1992	1.1	0.2	0.0	0.0	0.0	0.0	-0.0	-0.0
1993	1.2	0.2	0.0	0.0	0.0	0.0	-0.0	-0.0
1994	1.3	0.2	0.0	0.0	0.0	0.0	-0.0	-0.0
1995	1.4	0.2	0.0	0.0	0.0	0.0	-0.0	-0.0
1996	1.5	0.2	0.0	0.0	0.0	0.0	-0.0	-0.0
1997	1.6	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0
1998	1.7	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0
1999	1.9	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0
2000	2.0	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0
Residual Values			0.0	0.5	0.0	1.0	0.0	0.1
Total	17.1	2.4	0.1	0.0	0.0	1.8	-0.1	1.0

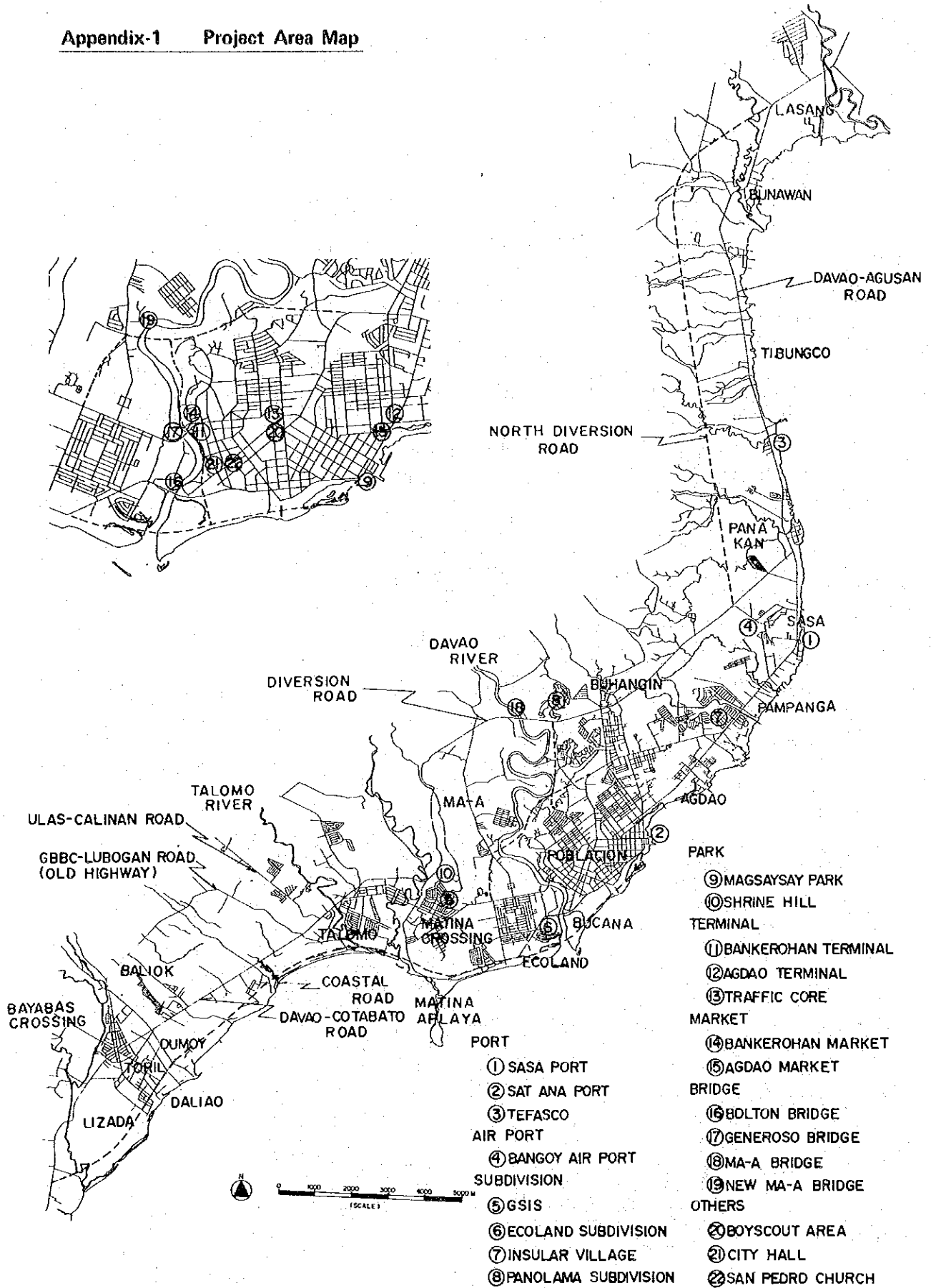
TABLE V
ECONOMIC EVALUATION OF NORTH DIVERSION ROAD
PROJECT III (1991- 2000)

	ECONOMIC BENEFIT (₹ Million)		FS/DD	Economic Cost (₹ Million)		Const.	Maint.	Total	After Discount
	Before Discount	After Discount		Before Discount	Compensation for Property				
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
1992	0.0	0.0	0.0	1.9	0.0	0.0	0.0	1.5	0.3
1993	20.8	3.4	0.1	1.4	0.0	0.0	0.0	1.9	0.4
1994	22.1	3.1	1.8	1.4	12.1	0.0	0.0	13.6	2.2
1995	23.5	2.9	0.2	1.6	12.0	-0	0.0	15.2	2.1
1996	25.0	2.7	1.8	1.7	16.9	-0	0.0	18.7	2.3
1997	26.6	2.5	0.0	3.4	11.9	0.0	0.0	15.4	1.7
1998	28.3	2.3	0.1	1.7	13.9	0.0	0.0	17.3	1.6
1999	30.1	2.1	0.0	2.9	23.1	0.0	0.0	24.9	2.0
2000	32.0	2.0	0.0	0.0	11.1	0.1	0.1	14.1	1.0
				0.0	14.8	0.1	0.1	14.9	0.9
Residual Values			0.0	16.0	0.0	0.0	0.0	106.6	6.5
Total	208.5	20.9	5.5	0.0	25.2	0.2	0.2	30.9	8.0

Appendices



Appendix-1 Project Area Map



Appendix-2 Road/Street Map in Poblacion



- EXISTING ROAD
- ① A. BONIFACIO ST.
 - ② A. MABINI ST.
 - ③ A. PICHON ST.
 - ④ A. PICHON EXT.
 - ⑤ B. GEMPESAW ST.
 - ⑥ BOLTON DIVERSION ROAD
 - ⑦ BOLTON ST.
 - ⑧ BUHANGIN ROAD

- ⑨ C. BANGCOY ST.
- ⑩ CHAVES ST.
- ⑪ C. LIZADA ST.
- ⑫ C.M. RECTO AVE.
- ⑬ DACUDAO AVE.
- ⑭ D. SUAZO ST.
- ⑮ DATU BAGO ST.
- ⑯ DAVAO-AGUSAN ROAD
- ⑰ DAVAO-COTABATO ROAD

- ⑱ DIVERSION ROAD
- ⑲ E. JACINTO ST.
- ⑳ E. JACINTO EXT.
- ㉑ E. QUIRINO AVE.
- ㉒ FR SELGA ST.
- ㉓ F. BANGCOY ST.
- ㉔ F. TORRES ST.
- ㉕ F. SALES ST.
- ㉖ FR GOMEZ ST.
- ㉗ J.P. LAUREL AVE.
- ㉘ J. RIZAL ST.
- ㉙ LAPU-LAPU ST.
- ㉚ L. GARCIA ST.
- ㉛ MA-A ROAD
- ㉜ MABINI EXT.
- ㉝ McARTHUR HIGHWAY

- ㉞ M. ROXAS AVE.
- ㉟ M. QUEZON BLVD
- ㊱ PALMA GIL ST.
- ㊲ R. CASTILLO ST.
- ㊳ R. MAGSAYSAY AVE.
- ㊴ STA ANA AVE.
- ㊵ SAN PEDRO ST.
- ㊶ T. MONTEVERDE ST.
- ㊷ TRADE SCHOOL DRIVE
- PROPOSED ROAD
- ㊸ COASTAL ROAD
- ㊹ J.P. LAUREL EXT.
- ㊺ RIVERSIDE ROAD
- ㊻ ROLLING HILLS ROAD
- ㊼ NEW MA-A ROAD

Appendix-3 Acronyms and Abbreviations

A	AC;	Auto Calesa
B	BCR;	Benefit/Cost Ratio
	BLT;	Bureau of Land Transportation
	BOT;	Board of Transportation
C	CBD;	Central Business District
	CHPG;	Constabulary Highway Patrol Group
D	DCTTMC;	Davao City Transport and Traffic Management Council
	DCUTCLUS;	Davao City Urban Transport Cum Land Use Study
E	EMK System;	Equivalent Maintenance Kilometer System
G	GDP;	Gross Domestic Products
	GNP;	Gross National Products
	GRDP;	Gross Regional Domestic Products
I	IBRD;	International Bank for Reconstruction and Development
	IRR;	Internal Rate of Return
	INP;	Integrated National Police
J	JICA;	Japan International Cooperation Agency
L	LRT;	Light Railway Transit
M	MHS;	Ministry of Human Settlement
	MPH;	Ministry of Public Highways
	MPWH;	Ministry of Public Works and Highways
	MOTC;	Ministry of Transportation and Communication
	MND;	Ministry of National Defense

N	NCSO;	National Census and Statistics Office
	NEDA;	National Economic and Development Authority
	NPV;	Net Present Value
	NTSS;	National Transportation System's Study
P	PCU;	Passenger Car Units
	PUJ;	Public Utility Jeepney
	PPA;	Philippine Ports Authority
	PUV;	Public Utility Vehicle
	PPDO;	Planning and Project Development Office
	PNR;	Philippine National Railways
	PU;	Public Utility
R	RCDP;	Regional Cities Development Project
S	SIR;	Slum Improvement and Resettlement Office
	SPDA;	Southern Philippines Development Authority
T	TTC;	Traffic Training Center

JICA