

Appendix 2-1 URBAN FEATURES BY B-ZONE

URBAN FEATURES BY B-Zone (1)

No.	A Zone		B-1										109
	Urban Features	B Zone	101	102	103	104	105	106	107	108	109		
1	Name of District	Rocafuerte, Roca, Carbo	Rocafuerte, Roca, Carbo	Olmedo, Rocafuerte	Bolivar, Olmedo, Rocafuerte	Rocafuerte, Roca	Rocafuerte, Roca	Roca, Carbo	Olmedo	Sucre Olmedo	9 de Octubre Sucre	9 de Octubre Roca, Tarqui	
2	Main Street	9 de Octubre, Pedro Carbo, Chile	Olmedo Chile	10 de Agosto, L. de Gavaicoa, Quito,	9 de Octubre, Aguirre, Quito, L. de Gavaicoa	Cordova, Boyaca, Urdaneta	Chile, Cuenca Olmedo	Huancavila, L. de Gavaicoa, Quito	10 de Agosto Colon, Machara Garcia Moreno	9 de Octubre, Quito Mechara			
3	Area (ha)	47.4	29.1	32.8	38.3	68.6	35.4	49.4	57.4	85.0			
4	Population in 1985	7,100	4,700	11,600	10,400	11,000	11,800	19,400	18,800	21,000			
5	Number of House in 1985	1,878	1,062	2,609	2,592	2,595	2,568	4,358	4,341	4,870			
6	Factory of Manufacture	558	145	63	152	169	74	27	36	143			
7	Facility of Service	1,386	1,094	979	863	967	669	344	566	777			
	Administration	7	5	1	5	4	3	0	3	5			
	High School, University	6	7	3	1	5	2	1	5	8			
	Culture, Recreation	8	2	3	5	2	3	2	2	6			
	Hospital	3	5	4	2	3	2	1	1	5			
	Other Service	1,362	1,075	968	850	953	659	340	555	753			
8	Secondary EAP	14,340	3,730	1,610	3,920	4,340	1,900	690	920	3,680			
9	Tertiary EPA	46,870	22,190	20,020	17,550	19,660	13,600	7,010	11,450	15,560			
10	Density of Population	150	162	354	272	160	333	393	328	247			
11	Ratio of Factory	$(\frac{6+7}{5})$	1.035	0.399	0.392	0.438	0.289	0.085	0.139	0.189			
12	Secondary EAP Per Population	2.020	0.794	0.139	0.377	0.395	0.161	0.036	0.049	0.175			
13	Tertiary EAP per Population	6.601	4.721	1.726	1.688	1.787	1.153	0.361	0.609	0.741			
14	Classification of Residence	medium density	medium density	high density	high density	medium density	high density	high density	high density	high density	high density	medium density	
15	Characteristics	central business district	central business district	central business district	central business district	commercial area	commercial area	commercial area	commercial area	commercial area	commercial area	commercial area	

URBAN FEATURES BY B-ZONE (2)

No.	Urban Features	A-Zone		A-2			A-3				
		B-Zone	201	202	203	204	205	206	301	302	303
1	Name of District	Ayacucho	Ayacucho, Garcia Moreno, Sucre	Garcia Moreno, Ximena	Garcia Moreno, Ximena	Garcia Moreno, Letamendi, Ximena	9 de Octubre Tarqui, Sucre, Urdaneta	Garcia Moreno Letamendi Sucre, Urdaneta	Letamendi, Garcia Moreno	Ferbres Cordero	
2	Main Street	Chile, Portete, Gomez Rendon	Portete, Quito, Gomez Rendon	Cuenca, Esmeraldas Gomez Rendon	Venezuela, Quito Chile	F. Segura, Quito Domingo Comin	Esmeraldas, F. Segura, El Oro	Lizardo Gairica, 9 de Octubre Portete Venezuela	F. Segura,	Miragro, Portete, Venezuela	
3	Area (ha)	47.4	80.2	59.2	96.4	129.4	163.1	119.2	125.4	235.4	144.0
4	Population in 1985	9,500	22,000	20,400	18,600	15,600	44,200	39,100	43,800	90,000	35,800
5	Number of House in 1985	2,078	4,860	4,462	3,956	3,063	8,861	8,097	9,096	15,890	6,737
6	Facility of Manufacture	67	29	31	58	44	21	17	15	6	0
7	Facility of Service	209	131	179	225	151	122	88	111	53	71
	Administration	4	1	0	0	3	0	0	1	0	0
	High School, University	7	6	6	8	10	4	7	7	6	2
	Culture, Recreation	1	4	0	2	1	1	2	1	0	0
	Hospital	4	2	1	2	2	2	0	0	0	0
	Other Service	193	118	172	213	135	115	79	102	47	69
8	Secondary EAP	1,410	610	640	1,220	930	430	640	540	240	360
9	Tertiary EAP	9,020	5,540	8,050	9,970	6,320	5,390	4,820	6,170	2,480	4,190
10	Density of Population	200	474	345	193	121	271	328	349	382	249
11	Ratio of Facility	$(\frac{4}{3})$	0.133	0.047	0.072	0.064	0.016	0.013	0.014	0.004	0.001
12	Secondary EAP per Population	$(\frac{8}{4})$	0.148	0.031	0.066	0.060	0.010	0.016	0.012	0.003	0.010
13	Tertiary EAP per Population	$(\frac{9}{4})$	0.949	0.395	0.536	0.405	0.122	0.123	0.141	0.028	0.117
14	Classification of Residence	medium density	high density	high density	medium density	medium density	high density	high density	high density	high density	medium density
15	Characteristics	commercial area with manufacture	commercial area	commercial area	commercial area	commercial area	residential area	residential area	residential area	residential area	residential area

URBAN FEATURES BY B-ZONE (3)

No.	Urban Feature	A-Zone		A-4				A-5		
		A-3 305	A-2 401	402	403	404	405	406	501	502
		Febres Cordero Letamendi	Ximena	Ximena, Villamil, Pradera, Almendros, Cda 9 de Octubre	Ximena, Las Acacias, Guangara, Cda Buancarilca	Ximena, Los Esteros	Ximena Las Malrinas	Isla Trinitaria	Frreesta, Gusasmo Norte, Gusasmo Centro	Gusasmo Centro
1	Name of District									
2	Main Street	Gomez Rendon Milagro	Domingo Comin	25 de Julio Centenario Sur La Pradera	25 de Julio Centenario Sur La Pradera	25 de Julio Rio Amazones Los Esteros	La Pradera		25 de Julio Huancarilcas	25 de Julio Las Esclusas
3	Area (ha)	126.4	114.7	164.6	228.2	155.6	217.6	898.4	309.2	250.6
4	Population in 1985	44,500	4,900	18,600	32,100	7,600	18,000	200	28,900	27,200
5	Number of House in 1985	8,555	889	3,568	5,809	1,309	4,401	30	4,951	5,074
6	Facility of Manufacture	6	21	11	14	2	1	0	3	3
7	Facility of Service	46	17	66	84	18	3	0	14	6
	Administration	0	0	2	3	2	0	0	2	0
	High School, University	1	0	2	2	0	0	0	3	1
	Culture, Recreation	0	1	5	1	1	0	0	2	0
	Hospital	0	0	0	2	1	0	0	0	1
	Other Services	45	16	57	76	14	3	0	7	4
8	Secondary EAP	220	810	450	540	100	20	0	40	60
9	Tertiary EAP	2,710	1,030	3,620	4,870	860	180	0	990	1,570
10	Density of Population ($\frac{4}{3}$)	352	43	113	141	49	83	0.2	93	109
11	Ratio of Facility ($\frac{6+7}{5}$)	0.006	0.043	0.022	0.017	0.015	0.001	0	0.003	0.002
12	Secondary EAP per Population ($\frac{8}{4}$)	0.005	0.165	0.024	0.017	0.013	0.001	0	0.001	0.002
13	Tertiary EAP per Population ($\frac{9}{4}$)	0.061	0.210	0.195	0.152	0.113	0.010	0	0.034	0.309
14	Classification of Residence	high density	low density	medium density	medium density	low density	low density	undeveloped	low density	medium density
15	Characteristics	residential area	residential area with manufacture	residential area	residential area	residential area	residential area	-	residential area	residential area with business

URBAN FEATURES BY B-ZONE (4)

No.	A-Zone		A-5			A-6					
	Urban Features	B-Zone	503	504	505	506	507	601	602	603	604
1	Name of District		Guasmo Sur	Fertisa Guasmo Oeste	Autoridad Portuaria	Guasmo Norte	Guasmo Sur	Febrés Cordero (Portete)	Febrés Cordero (Puerto Liza)	Febrés Cordero (Batallon de Subrubio)	Puerto Azul
2	Main Street			Ar. Instituto Oceanografico, 25 de Julio	25 de Julio	Huancavilcas	Las Esclusas	Portete Venezuela Asado Bucaran	Bernardino Rirodavia, F. Segura	Asad Bucaran	Via a la Costa
3	Area (ha)		305.5	301.8	406.4	274.3	209.2	294.2	274.8	603.6	5,472.0
4	Population in 1985		53,600	26,600	3,000	35,600	34,400	68,200	112,300	70,200	500
5	Number of House in 1985		10,532	4,296	579	5,354	6,653	12,648	21,103	11,774	76
6	Facility of Manufacture		3	6	5	8	0	6	1	3	1
7	Facility of Service		4	4	26	3	0	27	16	27	2
	Administration		0	1	3	0	0	2	0	1	0
	High School, University		1	0	0	0	0	5	3	5	1
	Culture, Recreation		0	1	1	0	0	1	1	1	0
	Hospital		0	1	0	0	0	0	0	1	0
	Other Service		3	1	22	3	0	19	12	19	1
8	Secondary EAP		60	360	300	210	40	600	160	400	270
9	Tertiary EAP		1,960	770	2,540	870	110	3,330	1,650	3,620	160
10	Density of Population	$(\frac{4}{3})$	175	88	7	130	164	232	409	116	0.09
11	Ratio of Facility	$(\frac{6+7}{5})$	0.001	0.002	0.054	0.002	0	0.003	0.001	0.003	0.039
12	Secondary EAP per Population	$(\frac{8}{4})$	0.001	0.014	0.100	0.006	0.001	0.009	0.001	0.006	0.540
13	Tertiary EAP per Population	$(\frac{9}{4})$	0.037	0.029	0.847	0.024	0.003	0.049	0.015	0.052	0.320
14	Classification of Residence		medium density residential area	low density residential area	-	medium density residential area	medium density residential area	medium density residential area	high density residential area	medium density residential area	undeveloped
15	Characteristics		residential area	residential area	area for special use (Port)	residential area	residential area	residential area	residential area	residential area	under urbanization of residence

URBAN FEATURES BY B-ZONE (5)

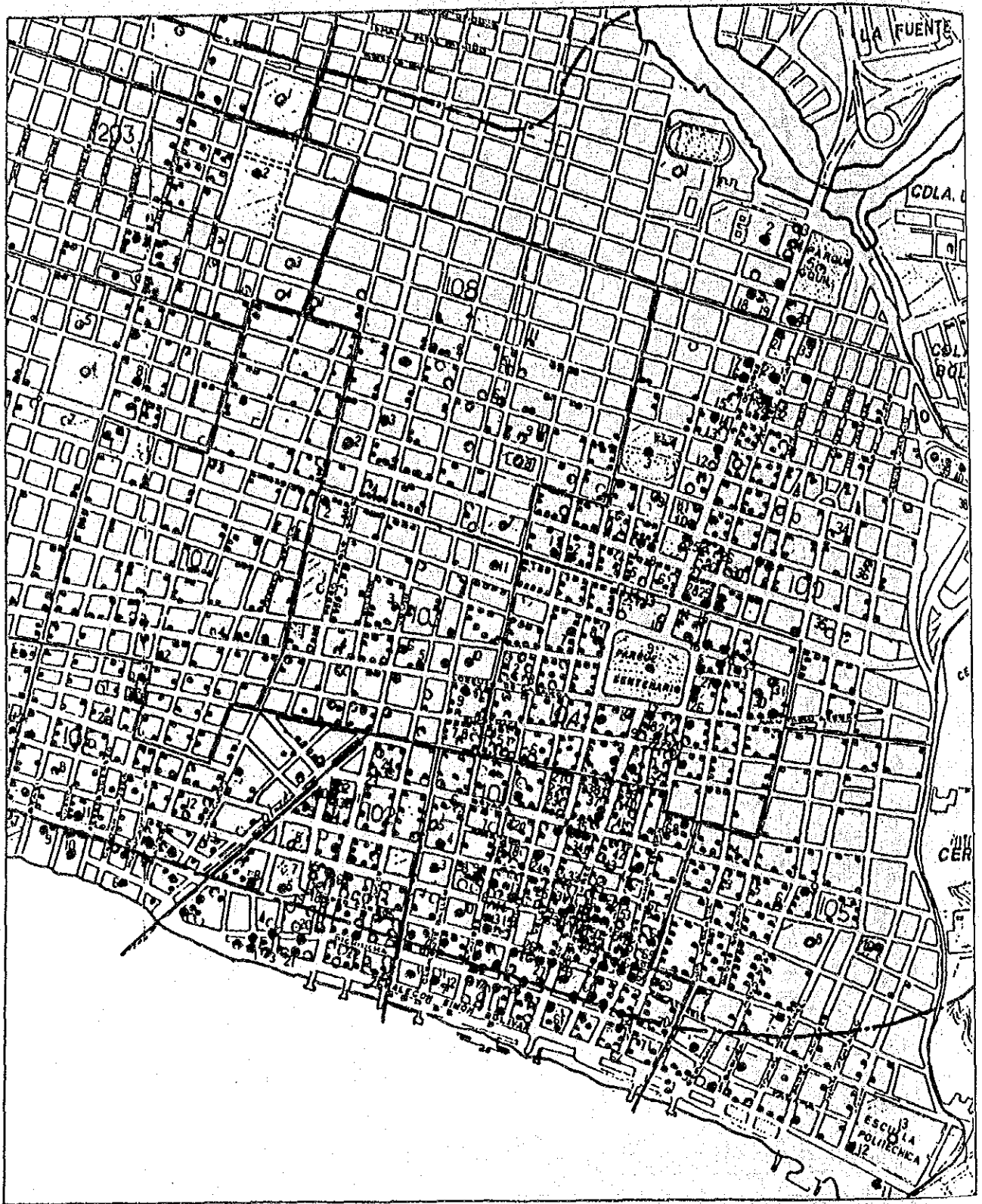
No.	A Zone		B-ZONE							
	Urban Feature	701	702	703	704	705	706	707	708	709
1	Name of District	Tarqui (Bolivariaz)	Tarqui (Urdesa)	Tarqui (Miraflores)	Tarqui (Mapasingue I)	Tarqui (Mapasingue II)	Tarqui (Bella Vista)	Tarqui (Ferroviario)	Tarqui (La Puente)	Tarqui (Alban Borja)
2	Main Street	Las Americas, Kennedy, San Jorge	Victor Emilio Estrada, Las Lomas Los Proceres	C.J. Arosemena	J.T. Marengo	F.H. Rendon Primero			C.J. Arosemena	C.J. Arosemena
3	Area (ha)	58.3	96.9	609.2	556.0	1,620.8	243.4	62.4	81.5	202.7
4	Population in 1985	1,000	7,400	8,000	47,400	66,200	1,100	2,800	1,200	2,400
5	Number of House in 1985	179	1,446	1,400	9,998	8,208	183	501	196	204
6	Facility of Manufacture	9	49	54	44	174	1	0	8	49
7	Facility of Service	38	159	82	83	196	0	4	13	94
	Administration	1	0	0	1	0	0	0	0	0
	High School, University	2	11	5	0	6	0	0	0	1
	Culture, Recreation	2	0	1	0	0	0	0	0	0
	Hospital	1	1	1	0	1	0	0	0	0
	Other Service	32	147	75	82	189	0	4	13	93
8	Secondary EAP	550	3,390	2,720	4,460	10,800	70	30	1,040	3,110
9	Tertiary EAP	1,790	6,930	3,280	4,170	9,090	60	190	650	4,360
10	Density of Population ($\frac{4}{3}$)	17	76	13	85	41	5	45	15	12
11	Ratio of Facility ($\frac{6+7}{5}$)	0.263	0.144	0.097	0.014	0.045	0.005	0.008	0.107	0.701
12	Secondary EAP per Population ($\frac{8}{4}$)	0.550	0.458	0.340	0.094	0.163	0.064	0.011	0.867	1.296
13	Tertiary EAP per Population ($\frac{9}{4}$)	1,790	0.936	0.410	0.088	0.137	0.055	0.068	0.542	1.817
14	Classification of Residence	-	low density	undeveloped	low density	low density	undeveloped	low density	-	-
15	Characteristics	area for special use (university)	commercial area with residence	undeveloped	residential area	with manufacture	under construction of complex use	residential area	area for special use (Manufacture)	area for special use (Manufacture)

URBAN FEATURES BY B-ZONE (6)

No.	Urban Facilities	A-7					A-8		
		710	711	712	713	714	801	802	803
	Tarqui (Urdésa)	Tarqui (Urdésa Norte)	Tarqui (Kennedy)	Tarqui (Kennedy)	Tarqui (Kennedy Norte)	Tarqui (Cerro el Carmen)	Tarqui (Aero Puerto)	Tarqui (Alborada)	Tarqui (La FAB)
1	Name of District								
2	Main Street	Victor Emilio Estrada	Los Proceres	Kennedy, San Jorge, Los Proceres	Las Americas, Kennedy, San Jorge, Los Proceres	J.T. Marengo, Los Proceres	Los Americas, F. de Orellana	F. de Orellana G.P. Rolando	P.M. Gilbert, L.P. Danis
3	Area (ha)	169.5	72.5	41.6	57.2	259.2	524.0	648.0	161.1
4	Population in 1985	10,800	5,800	3,100	8,200	5,300	1,100	51,000	4,900
5	Number of House in 1985	2,116	1,144	654	1,770	239	164	10,101	783
6	Facility of Manufacture	58	2	31	9	1	17	15	5
7	Facility of Service	95	15	177	68	12	84	91	12
	Administration	0	0	1	2	1	2	1	0
	High School, University	0	0	0	1	1	4	1	0
	Culture, Recreation	0	0	1	1	1	0	3	0
	Hospital	0	0	1	0	1	0	0	0
	Other Service	95	15	174	64	8	78	86	12
8	Secondary EAP	2,710	670	860	1,020	700	780	550	30
9	Tertiary EAP	4,600	830	8,370	3,080	480	4,900	5,140	720
10	Density of Population	64	80	75	143	20	2	79	30
11	Ratio of Facility	$(\frac{6+7}{5})$ 0.072	0.015	0.318	0.044	0.054	0.616	0.010	0.022
12	Secondary EAP per Population	0.251	0.116	0.277	0.124	0.132	0.709	0.011	0.006
13	Tertiary EAP per Population	0.426	0.143	2.700	0.376	0.091	4.455	0.101	0.147
14	Classification of Residence	low density	low density	low density	medium density	undeveloped	low density	low density	-
15	Characteristics	commercial area	residential area	commercial area	commercial area	residential area	area for special use (airport bus terminal)	residential area	area for special use (Air force)

URBAN FEATURES BY B-ZONE (7)

No.	A Zone		A-9			A-10			1005		
	Urban Features	B Zone	901	902	903	904	905	1001		1002	1003
1	Name of District	Tarqui Campo Alegre, De Prosperina	Tarqui Los Samanes Los Vergeles	Pascuales	Cerro Azul	Tarqui Inmaculada (El Sauce)	Duran Centro	Duran Recreo	Duran (Las Brisas)	Isla Santay	Peninsula de Samborondon
2	Main Street	Via a Daule J.T. Marengo	F. de Orellana	Via a Daule, Principal		Via a Daule,	Via al Triunfo, 19 de Octubre	Via al Triunfo, Principal	Via al Triunfo, Via al Babahoyo		Via Samborondon
3	Area (ha)	1,574.0	1,848.0	4,888.0	2,808.0	2,069.0	582.4	3,962.4	2,498.2	2,148.0	888.0
4	Population in 1985	59,100	12,000	26,300	400	17,000	31,100	56,700	23,900	0	400
5	Number of House in 1985	987	1,599	2,117	53	1,995	7,577	5,818	229	0	60
6	Facility of Manufacture	79	4	65	0	35	5	2	3	0	1
7	Facility of Service	56	3	72	7	14	13	2	1	0	2
	Administration	0	0	1	0	0	0	0	0	0	0
	High School, University	3	0	2	0	0	3	0	0	0	0
	Culture, Recreation	1	0	1	0	0	1	0	0	0	1
	Hospital	0	0	0	0	0	0	0	0	0	0
	Other Service	52	3	68	7	14	9	2	1	0	1
8	Secondary EAP	9,170	170	10,330	130	6,210	250	130	2,600	0	80
9	Tertiary EAP	1,440	110	2,190	300	420	2,040	460	160	0	60
10	Density of Population	38	6	5	0.1	8	53	14	10	0	0.5
11	Ratio of Facility	0.137	0.004	0.065	0.132	0.025	0.002	0.001	0.017	0	0.050
12	Secondary EAP per Population	0.155	0.014	0.393	0.325	0.365	0.008	0.002	0.109	0	0.200
13	Tertiary EAP per Population	0.024	0.009	0.083	0.750	0.025	0.066	0.008	0.007	0	0.150
14	Classification of Residence	low density	undeveloped	undeveloped	undeveloped	undeveloped	low density	-	-	-	-
15	Characteristics	with manufacture	under urbanization of residence	with manufacture	with manufacture	with manufacture	with small regional core	under urbanization of complex use	under urbanization of residence	undeveloped area	under urbanization of residence

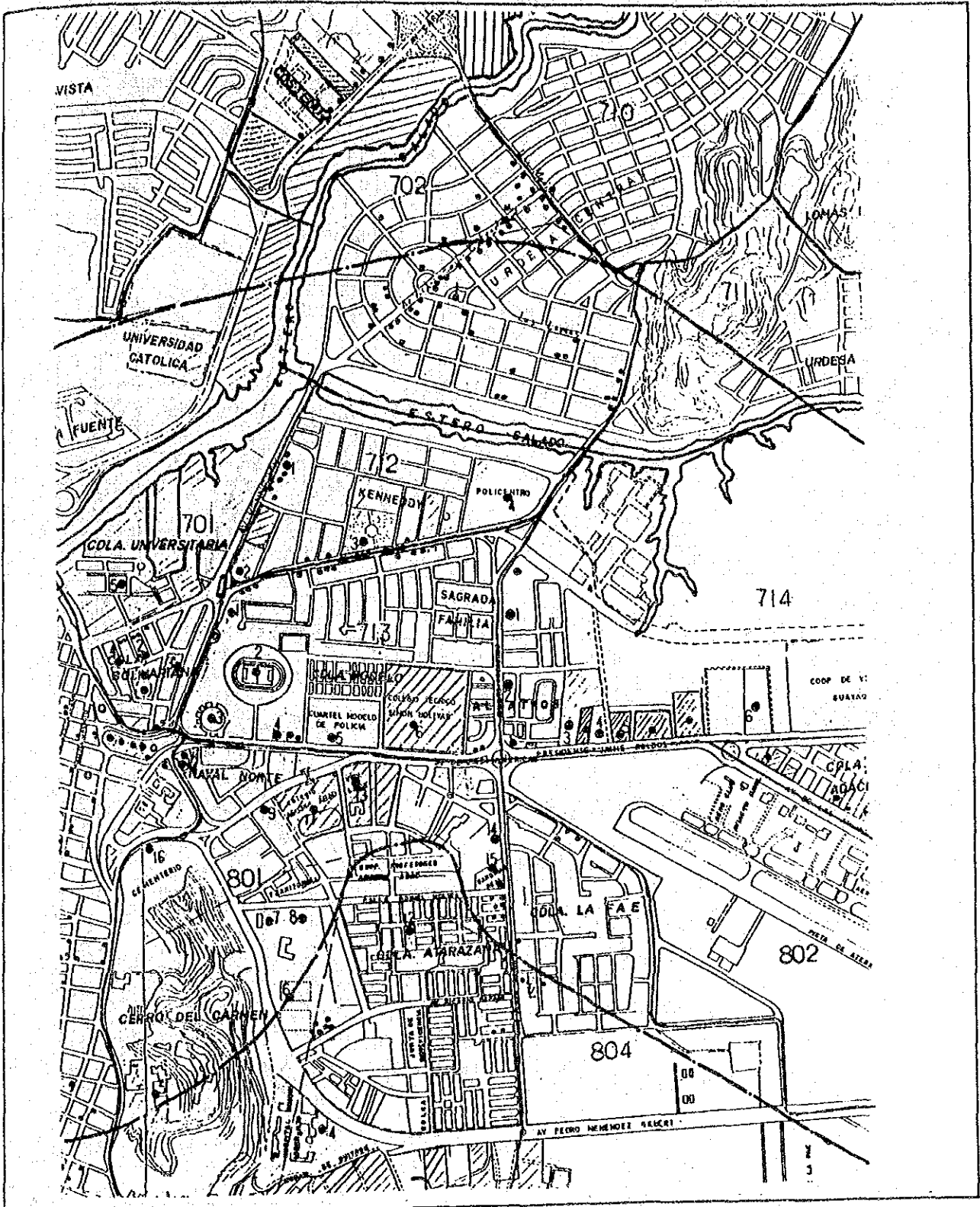


THE FEASIBILITY STUDY
ON GUAYAQUIL CITY
URBAN TRANSPORTATION
PLAN IN THE
REPUBLIC OF ECUADOR

DISTRIBUTION OF MAIN
FACILITIES ON MRT WAYSIDE (3)

JAPAN
INTERNATIONAL
COOPERATION
AGENCY



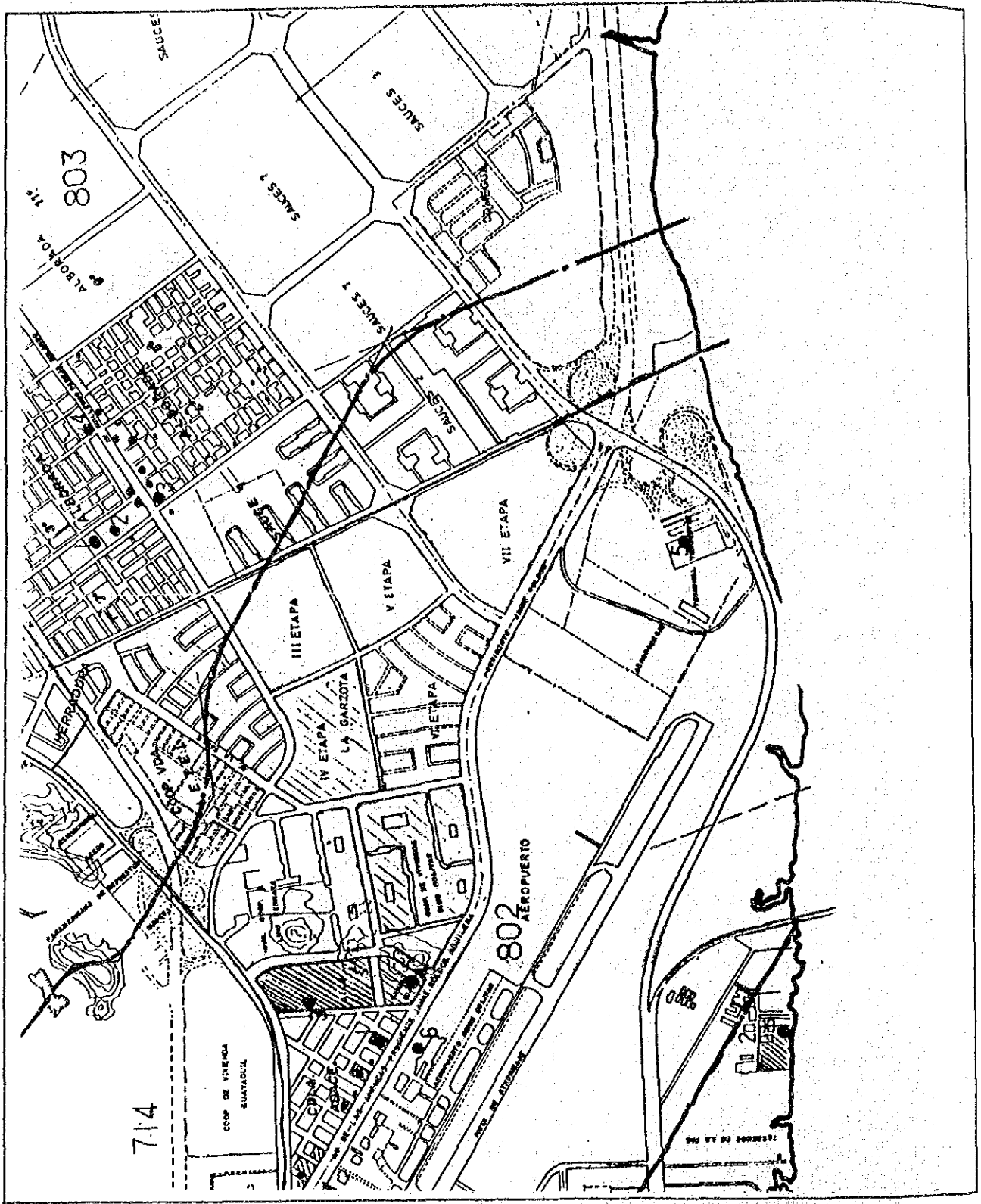


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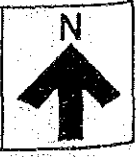




THE FEASIBILITY STUDY
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DISTRIBUTION OF MAIN
FACILITIES ON MRT WAYSIDE (5)

JAPAN
INTERNATIONAL
COOPERATION
AGENCY



Appendix 2-3 MAIN FACILITIES ALONGSIDE MRT ROUTE (1)

B ZONE	MAIN FACILITY				DISTANCE FROM MRT ROUTE	
	NO.	NAME	USAGE	NUMBER OF FLOOR		
1 0 1	1	299	MUNICIPALIDAD DE GUAYAQUIL	ADMINISTRATION	4	1 0 1 0 M
1 0 1	2	300	EMAP	ADMINISTRATION	4	9 7 0 M
1 0 1	3	304	PARQUE SEMINARIO	RECREATION	—	7 4 0 M
1 0 1	4	305	CATEDRAL DE GUAYAQUIL	CALTURE	—	7 2 0 M
1 0 1	5	306	COLEGIO DEL SAGRARIO	EDUCATION	2	6 7 0 M
1 0 1	6	308	ALMACENES LA RASPA	COMMERCE	1 4	6 2 0 M
1 0 1	7	345	HOTEL SOL DE ORIENTE	COMMERCE	1 4	6 4 0 M
1 0 1	8	346	UNI HOTEL	COMMERCE	1 3	7 8 0 M
1 0 1	9	347	UNICENTRO	COMMERCE	5	7 7 0 M
1 0 1	10	350	CORREO	ADMINISTRATION	5	8 5 0 M
1 0 1	11	352	PARQUE SUCRE	RECREATION	—	1 0 2 0 M
1 0 1	12	353	LA GOBERNACION	ADMINISTRATION	4	1 0 1 0 M
1 0 1	13	369	LA INTERNACIONAL	BUSINESS	1 0	8 4 0 M
1 0 1	14	370	EDIFICIO BOND'S	BUSINESS	1 0	8 2 0 M
1 0 1	15	371	ATLANTIC HOTEL	COMMERCE	1 9	8 2 0 M
1 0 1	16	372	EDIFICIO LANAFIT	COMMERCE BUSINESS	1 2	7 9 0 M
1 0 1	17	373	EDIFICIO AYALA	COMMERCE BUSINESS	1 2	7 9 0 M
1 0 1	18	380	SOL AMERICA	BUSINESS	1 2	7 0 0 M
1 0 1	19	382	LA CASA NUEVA	BUSINESS	1 1	6 9 0 M
1 0 1	20	384	EDIFICIO TOIN	COMMERCE BUSINESS	1 0	6 2 0 M
1 0 1	21	405	EDIFICIO NANDACA	COMMERCE BUSINESS	1 0	4 6 0 M
1 0 1	22	406	EDIFICIO ACROPOLIS	COMMERCE BUSINESS	1 0	5 0 0 M
1 0 1	23	407	(SIN NOMBRE)	COMMERCE BUSINESS	1 4	5 2 0 M
1 0 1	24	413	EDIFICIO CHIMBORAZO	COMMERCE BUSINESS	1 4	7 2 0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(2)

B ZONE	MAIN FACILITY					DISTANCE FROM MRT ROUTE
	NO.	NAME	USAGE	NUMBER OF FLOOR		
1 0 1	2 5	415	EDIFICIO VIVAR	COMMERCE BUSINESS	1 1	7 9 0 M
1 0 1	2 6	418	EDIFICIO BENEDICT	COMMERCE BUSINESS	1 0	9 1 0 M
1 0 1	2 7	423	FILANBANCO	BUSINESS	2 0	9 6 0 M
1 0 1	2 8	424	PREDIAL VERA	BUSINESS	1 0	1 0 0 0 M
1 0 1	2 9	431	CONDOMINIO DE FINANZA	BUSINESS	1 3	7 6 0 M
1 0 1	3 0	432	FINANCIERA NACIONAL	BUSINESS	1 5	7 8 0 M
1 0 1	3 1	434	EDIFICIO CONDOR	COMMERCE BUSINESS	1 2	7 4 0 M
1 0 1	3 2	436	CONDOMINIO VENECIA	BUSINESS	1 5	7 2 0 M
1 0 1	3 3	437	EDIFICIO EL MORRO	COMMERCE BUSINESS	1 0	7 2 0 M
1 0 1	3 4	439	CUERPO DE BOMBEROS	ADMINISTRATION	5	6 6 0 M
1 0 1	3 5	442	CINE METRO	RECREATION	2	5 9 0 M
1 0 1	3 6	443	EDIFICIO CREDITOS	COMMERCE BUSINESS	1 1	5 9 0 M
1 0 1	3 7	447	MI COMISARIATO	COMMERCE	6	4 8 0 M
1 0 1	3 8	450	EDIFICIO BRIZ VERA	COMMERCE BUSINESS	1 7	4 2 0 M
1 0 1	3 9	525	EDIFICIO ENCALADA	COMMERCE BUSINESS	1 9	4 5 0 M
1 0 1	4 0	526	EDIFICIO SALEM	COMMERCE BUSINESS	1 3	4 8 0 M
1 0 1	4 1	531	EDIFICIO BOYACA	COMMERCE BUSINESS	1 1	5 4 0 M
1 0 1	4 2	533	EDIFICIO ZEA	COMMERCE BUSINESS	1 3	5 8 0 M
1 0 1	4 3	535	EDIFICIO PROPIEDADES	BUSINESS	1 2	6 3 0 M
1 0 1	4 4	537	EMPRESA ELECTRICA DEL ECUADOR	ADMINISTRATION	5	6 6 0 M
1 0 1	4 5	540	EDIFICIO PLAZA	COMMERCE BUSINESS	1 3	7 2 0 M
1 0 1	4 6	543	HOTEL BOULEVARO	COMMERCE	1 4	7 5 0 M
1 0 1	4 7	544	EDIFICIO GRAN PASAJE	BUSINESS	1 3	7 4 0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(3)

B ZONE	MAIN FACILITY				DISTANCE FROM MRT ROUTE	
	NO.	NAME	USAGE	NUMBER OF FLOOR		
1 0 1	4 8	545	CITY BANK	BUSINESS	1 0	7 8 0 M
1 0 1	4 9	549	(SIN NOMBRE)	COMMERCE BUSINESS	1 0	8 3 0 M
1 0 1	5 0	550	EDIFICIO ALPECA	COMMERCE BUSINESS	1 4	8 3 0 M
1 0 1	5 1	551	CONDOMINIO EL ALFIL	BUSINESS	1 4	8 3 0 M
1 0 1	5 2	553	CINE GUAYAQUIL	RECREATION	2	7 6 0 M
1 0 1	5 3	555	COLEGIO MERCEDARIAS	EDUCATION	2	7 7 0 M
1 0 1	5 4	556	CENTRO COMERCIAL CONTINENTAL	COMMERCE	1 2	8 3 0 M
1 0 1	5 5	557	AMAZONAS SEGUROS	BUSINESS	1 1	8 3 0 M
1 0 1	5 6	559	PARQUE LA MERCED	RECREATION	-	8 7 0 M
1 0 1	5 7	561	COMPANIA DE SEGUROS CONDOR	BUSINESS	1 0	8 8 0 M
1 0 1	5 8	563	SAN FRANCISCO 300	BUSINESS	2 6	8 6 0 M
1 0 1	5 9	564	BANCO CENTRAL DEL ECUADOR	ADMINISTRATION	1 5	9 3 0 M
1 0 1	6 0	566	BANCO DEL PACIFICO	BUSINESS	1 2	9 6 0 M
1 0 1	6 1	569	HOTEL LA MONEDA	COMMERCE	1 0	1 0 2 0 M
1 0 1	6 2	571	EDIFICIO SIMON BOLIVAR	COMMERCE BUSINESS	1 4	1 0 7 0 M
1 0 1	6 3	575	IGLESIA LA MERCED	CULTURE	-	8 8 0 M
1 0 1	6 4	576	BANCO CONTINENTAL	BUSINESS	1 6	8 6 0 M
1 0 1	6 5	577	TORRES DE LA MERCED	BUSINESS	2 8	8 3 0 M
1 0 1	6 6	579	EL SECAP	BUSINESS	1 0	8 0 0 M
1 0 1	6 7	581	EDIFICIO BIBLOS	COMMERCE BUSINESS	1 3	7 4 0 M
1 0 1	6 8	582	TEATRO HUMORESQUE	RECREATION	2	4 9 0 M
1 0 1	6 9	605	CONTRO COMERCIAL LA MERCED	COMMERCE	1	8 8 0 M
1 0 1	7 0	606	TORRE DEL RIO	BUSINESS	2 3	9 9 0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(4)

B ZONE	MAIN FACILITY					DISTANCE FROM MRT ROUTE
	NO.	NAME	USAGE	NUMBER OF FLOOR		
1 0 1	7 1	607	EDIFICIO ROCAMAL	COMMERCE BUSINESS	1 4	1 0 5 0 M
1 0 2	1	216	EDIFICIO PANORAMA	COMMERCE BUSINESS	2 1	5 9 0 M
1 0 2	2	217	LA BAHIA	COMMERCE	—	1 0 5 0 M
1 0 2	3	218	EDIFICIO ALVAVISA	COMMERCE BUSINESS	1 6	1 0 8 0 M
1 0 2	4	220	SEGURO SOCIAL	ADMINISTRATION	4	1 0 4 0 M
1 0 2	5	222	PARQUE JUAN MONTALVO	RECREATION	—	9 3 0 M
1 0 2	6	223	IGLESIA SAN ALEJO	CULTURE	—	9 5 0 M
1 0 2	7	224	HOSPITAL DEL NINO ALEJANDRO MANN	HOSPITAL	2	8 8 0 M
1 0 2	8	225	CASONA UNIVERSITARIA	ADMINISTRATION	2	8 3 0 M
1 0 2	9	226	INSTITUTO COELLO	EDUCATION	4	7 2 0 M
1 0 2	1 0	227	CAMARA DE COMERCIO	ADMINISTRATION	5	6 8 0 M
1 0 2	1 1	229	CONDOMINIO PEGAR	COMMERCE BUSINESS	1 2	6 7 0 M
1 0 2	1 2	231	(SIN NOMBRE)	COMMERCE BUSINESS	1 0	6 7 0 M
1 0 2	1 3	231A	COLEGIO ALBERTO U. OTATTI	EDUCATION	4	6 9 0 M
1 0 2	1 4	232	POLICLINICO METROPOLITANO	BUSINESS	1 0	7 1 0 M
1 0 2	1 5	236A	COLEGIO ENRIQUE GIL GILBERT	EDUCATION	3	8 9 0 M
1 0 2	1 6	238	EDIFICIO MEDRANZA	COMMERCE BUSINESS	1 1	8 7 0 M
1 0 2	1 7	239	EDIFICIO PREMASA	COMMERCE BUSINESS	1 2	9 0 0 M
1 0 2	1 8	240	EDIFICIO EMBAJADOR	COMMERCE BUSINESS	1 3	9 4 0 M
1 0 2	1 9	244	SEGURO SOCIAL	HOSPITAL	3	8 8 0 M
1 0 2	2 0	246	SEGURO SOCIAL	ADMINISTRATION	8	1 0 2 0 M
1 0 2	2 1	248	CUERPO DE BOMBEROS	ADMINISTRATION	4	1 0 8 0 M
1 0 2	2 2	254	EDIFICIO SARJI	COMMERCE BUSINESS	1 3	1 0 2 0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(5)

B ZONE	MAIN FACILITY					DISTANCE FROM MRT ROUTE
	NO.	NAME	USAGE	NUMBER OF FLOOR		
1 0 2	2 3	265	EDIFICIO PROCOM	COMMERCE BUSINESS	1 3	5 9 0 M
1 0 2	2 4	266	CENTRO ZONAL DE INSPECCION PATRONAL	ADMINISTRATION	9	6 0 0 M
1 0 2	2 5	291	(SIN NOMBRE)	COMMERCE BUSINESS	1 2	9 3 0 M
1 0 2	2 6	298	EDIFICIO VALRA	COMMERCE BUSINESS	2 0	1 0 6 0 M
1 0 3	1	188	MATERNIDAD ENRIQUE GESSOTO MAYOR	EDUCATION	2	2 2 0 M
1 0 3	2	189	CINE MARTE	RECREATION	2	0 M
1 0 3	3	199	CINE APOLO	RECREATION	2	1 9 0 M
1 0 3	4	200	EDIFICIO ALTBAR	COMMERCE BUSINESS	1 3	3 5 0 M
1 0 3	5	270	ALMACENES TIA	COMMERCE	3	3 2 0 M
1 0 3	6	271	CUERPO DE BOMBEROS	ADMINISTRATION	2	3 0 0 M
1 0 3	7	310	(SIN NOMBRE)	COMMERCE BUSINESS	1 3	4 7 0 M
1 0 3	8	311	(SIN NOMBRE)	COMMERCE BUSINESS	1 2	4 4 0 M
1 0 3	9	313	SUPERMERCADO CONQUISTADOR	COMMERCE	2	3 4 0 M
1 0 3	1 0	315	MERCADO CENTRAL	COMMERCE	2	2 8 0 M
1 0 3	1 1	316	PARQUE VICTORIA	RECREATION	-	0 M
1 0 4	1	330	CONDOMINIO CENTRAL	COMMERCE BUSINESS	1 1	3 0 0 M
1 0 4	2	331	CONDOMINIO GALERIAS CONCORDIA	COMMERCE BUSINESS	1 0	3 0 0 M
1 0 4	3	332	EDIFICIO LATINO	COMMERCE BUSINESS	1 1	2 9 0 M
1 0 4	4	338	(SIN NOMBRE)	COMMERCE BUSINESS	1 2	4 6 0 M
1 0 4	5	340	(SIN NOMBRE)	COMMERCE BUSINESS	1 2	4 6 0 M
1 0 4	6	390	(SIN NOMBRE)	COMMERCE BUSINESS	1 0	4 6 0 M
1 0 4	7	393	CINE PRESIDENTE	RECREATION	2	1 3 0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(6)

B ZONE	MAIN FACILITY				DISTANCE FROM MRT ROUTE	
	NO.	NAME	USAGE	NUMBER OF FLOOR		
1 0 4	8	404	EL FORUM	COMMERCE BUSINESS	3 0	1 3 0 M
1 0 4	9	455	PARQUE CENTENARIO	RECREATION	—	9 0 M
1 0 4	1 0	457	PALACIO DE JUSTICIA	ADMINISTRATION	1 0	0 M
1 0 4	1 1	458	EDIFICIO SUVIN	COMMERCE BUSINESS	1 2	0 M
1 0 4	1 2	459	(SIN NOMBRE)	COMMERCE BUSINESS	1 2	0 M
1 0 4	1 3	460	CUERPO DE BOMBEROS	ADMINISTRATION	2	0 M
1 0 4	1 4	505	CASA DE LA CULTURA	ADMINISTRATION	6	0 M
1 0 4	1 5	506	CRUZ ROJA DEL GUAYAS	ADMINISTRATION	2	0 M
1 0 4	1 6	507	PARQUE LA MACARENA	RECREATION	—	6 0 M
1 0 4	1 7	508	SEGUNDA ZONA MILITAR	SPECIAL EQUIPMENT	4	2 6 0 M
1 0 4	1 8	509	CAMARA DE INDUSTRIAS	ADMINISTRATION	8	2 9 0 M
1 0 4	1 9	510	EDIFICIO 9 DE OCTUBRE	COMMERCE BUSINESS	1 2	3 2 0 M
1 0 4	2 0	513	EDIFICIO E. DIMINICH	COMMERCE BUSINESS	1 0	3 0 0 M
1 0 4	2 1	514	INSTITUTO MACOSA	EDUCATION	5	3 2 0 M
1 0 4	2 2	515	(SIN NOMBRE)	COMMERCE BUSINESS	1 2	3 5 0 M
1 0 4	2 3	519	(SIN NOMBRE)	COMMERCE BUSINESS	1 1	3 4 0 M
1 0 4	2 4	520	K 2	COMMERCE BUSINESS	1 3	3 4 0 M
1 0 4	2 5	524	(SIN NOMBRE)	COMMERCE BUSINESS	1 0	4 2 0 M
1 0 4	2 6	586	EDIFICIO HUANCABILCA	COMMERCE BUSINESS	2 4	1 9 0 M
1 0 4	2 7	589	CENTRO COMERCIAL	COMMERCE	1	1 4 0 M
1 0 4	2 8	590	AEROLINEAS ARGENTINAS	COMMERCE BUSINESS	1 2	9 0 M
1 0 4	2 9	604	PARQUE SAN AGUSTIN	RECREATION	—	9 0 M
1 0 4	3 0	615	IGLESIA SAN AGUSTIN	CULTURE	—	1 4 0 M
1 0 4	3 1	616	COLEGIO SAN AGUSTIN	EDUCATION	3	9 0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(7)

B ZONE	MAIN FACILITY				DISTANCE FROM MRT ROUTE	
	NO.	NAME	USAGE	NUMBER OF FLOOR		
1 0 5	1	584	(SIN NOMBRE)	COMMERCE BUSINESS	1 3	2 7 0 M
1 0 5	2	610	CENTRO ECUATORIANO NORTEAMERICANO	EDUCATION	3	8 8 0 M
1 0 5	3	611	INSTITUTO ECUATORIANO DE TELECOMUNICACIONES	ADMINISTRATION	7	5 7 0 M
1 0 5	4	612	EDIFICIO TORREON	COMMERCE BUSINESS	1 0	5 5 0 M
1 0 5	5	622	MINISTERIO DE FINANZAS	ADMINISTRATION	1 0	5 7 0 M
1 0 5	6	623	I N E C	ADMINISTRATION	3	6 2 0 M
1 0 5	7	630	MERCADO DEL NORTE	COMMERCE	—	9 0 0 M
1 0 5	8	631	COLEGIO SAN JOSE LA SALLE	EDUCATION	3	6 8 0 M
1 0 5	9	632	CINE BOLIVAR	RECREATION	—	5 5 0 M
1 0 5	1 0	635	FABRICA DE PAPEL LA REFORMA	MANUFACTURE	1	7 0 0 M
1 0 5	1 1	637	FERROCARRILES DEL ESTADO	ADMINISTRATION	1	1 3 0 0 M
1 0 5	1 2	638	PISCINA MUNICIPAL	RECREATION	—	1 2 0 0 M
1 0 5	1 3	639	ESCUELA SUPERIOR POLITECNICA	EDUCATION	3	1 1 5 0 M
1 0 6	1	143	CENTRO DE SALUD MATERNIDAD MARTINEZ	HOSPITAL	3	6 2 0 M
1 0 6	2	144	CENTRO DE TELETONOS FEBRES CORDERO	ADMINISTRATION	5	7 0 0 M
1 0 6	3	146A	PARQUE CHILE	RECREATION	—	6 2 0 M
1 0 6	4	151	COLEGIO 20 DE ABRIL	EDUCATION	4	9 8 0 M
1 0 6	5	152	IGLESIA SAN JOSE	CULTURE	—	1 0 0 0 M
1 0 6	6	153	MERCADO DEL SUR	COMMERCE	2	1 0 7 0 M
1 0 6	7	159	COLEGIO LA PROVIDENCIA	EDUCATION	3	9 8 0 M
1 0 6	8	161	COMISION DE TRANSITO DEL GUAYAS	ADMINISTRATION	4	8 6 0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(8)

B ZONE	MAIN FACILITY				DISTANCE FROM MRT ROUTE	
	NO.	NAME	USAGE	NUMBER OF FLOOR		
1 0 6	9	162	MI COMISARIATO	COMMERCE	2	9 8 0 M
1 0 6	1 0	163	MERCASUR	COMMERCE	2	1 0 0 0 M
1 0 6	1 1	166	ALMACENES TIA	COMMERCE	5	9 5 0 M
1 0 6	1 2	177	EDIFICIO MARTE	COMMERCE BUSINESS	1 2	8 5 0 M
1 0 6	1 3	181	EDIFICIO AYACUCHO	COMMERCE BUSINESS	1 0	9 0 0 M
1 0 6	1 4	183	CINE OLMEDO	RECREATION	2	7 0 0 M
1 0 6	1 5	208	SEGURO SOCIAL	ADMINISTRATION	1 0	6 5 0 M
1 0 7	1	137E	MI COMISARIATO	COMMERCE	1	0 M
1 0 7	2	150	IGLESIA EVANGELICA	CULTURE	—	5 1 0 M
1 0 7	3	167	EDIFICIO PINTURAN	COMMERCE BUSINESS	1 0	0 M
1 0 7	4	172	(SIN NOMBRE)	COMMERCE BUSINESS	1 2	4 2 0 M
1 0 8	1	170	COLEGIO DEMETRIO AGUILERA MALTA	EDUCATION	3	4 2 0 M
1 0 8	2	190	MERCADO	COMMERCE	1	1 0 0 M
1 0 8	3	191	MERCADO	COMMERCE	1	3 2 0 M
1 0 8	4	196	CUERPO DE BOMBEROS	ADMINISTRATION	2	2 0 M
1 0 8	5	276	SOCIEDAD DE ARTESANOS AMANTES DE PROGRESO	ADMINISTRATION	3	4 0 0 M
1 0 8	6	277	INSTITUTO POZO	EDUCATION	2	3 2 0 M
1 0 8	7	317	IGLESIA VICTORIA	CULTURE	—	0 M
1 0 8	8	318	COLEGIO SEGUNDO ATI PILLAUASO	EDUCATION	2	1 2 0 M
1 0 8	9	319	INSTITUTO SUAREZ	EDUCATION	5	2 5 0 M
1 0 8	1 0	320	SOCIEDAD TUNGURAHUENSE	CULTURE	5	2 7 0 M
1 0 8	1 1	322	CUERPO DE BOMBEROS	ADMINISTRATION	2	4 8 0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(9)

B ZONE	MAIN FACILITY				DISTANCE FROM MRT ROUTE	
	NO.	NAME	USAGE	NUMBER OF FLOOR		
1 0 9	1	325	CINE QUITO	RECREATION	2	0 M
1 0 9	2	395	CENTRO COMERCIAL	COMMERCE BUSINESS	1	0 M
1 0 9	3	398	PISCINA OLIMPICA	RECREATION	1	2 5 0 M
1 0 9	4	401	PENSIONADO DE SENORITAS	EDUCATION	6	9 0 M
1 0 9	5	461	(SIN NOMBRE)	COMMERCE BUSINESS	1 2	0 M
1 0 9	6	462	COLEGIO IDEA	EDUCATION	2	4 0 M
1 0 9	7	464	(SIN NOMBRE)	COMMERCE BUSINESS	1 4	9 0 M
1 0 9	8	465	(SIN NOMBRE)	COMMERCE BUSINESS	1 2	9 0 M
1 0 9	9	469	COLEGIO RITA LECUMBERRI	EDUCATION	2	2 3 0 M
1 0 9	1 0	470	MUSEO DEL BANCO CENTRAL	CULTURE	5	1 7 0 M
1 0 9	1 1	471	CONSULADO NORTEAMERICANO	ADMINISTRATION	6	2 3 0 M
1 0 9	1 2	474	LA CONCORDIA	COMMERCE BUSINESS	1 3	3 3 0 M
1 0 9	1 3	476	(SIN NOMBRE)	COMMERCE BUSINESS	1 4	4 1 0 M
1 0 9	1 4	477	EDIFICIO DINATEK	COMMERCE BUSINESS	1 1	4 6 0 M
1 0 9	1 5	478	(SIN NOMBRE)	COMMERCE BUSINESS	2 3	4 9 0 M
1 0 9	1 6	479	EL MARQUES	COMMERCE BUSINESS	1 6	5 6 0 M
1 0 9	1 7	480	EDIFICIO INCHALELA	COMMERCE BUSINESS	1 5	6 0 0 M
1 0 9	1 8	482	(SIN NOMBRE)	COMMERCE BUSINESS	1 6	7 7 0 M
1 0 9	1 9	482A	(SIN NOMBRE)	COMMERCE BUSINESS	1 4	7 7 0 M
1 0 9	2 0	491	EDIFICIO SALCO	COMMERCE BUSINESS	1 1	7 3 0 M
1 0 9	2 1	492	CENTRO COMERCIAL DEL BULEVARD	COMMERCE	2	7 0 0 M
1 0 9	2 2	493	EDIFICIO COPRECOM	COMMERCE BUSINESS	1 0	5 8 0 M
1 0 9	2 3	495	EDIFICIO FLORIDA	COMMERCE BUSINESS	1 3	5 0 0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(10)

B ZONE	MAIN FACILITY					DISTANCE FROM MRT ROUTE
	NO.	NAME	USAGE	NUMBER OF FLOOR		
1 0 9	2 4	496	COLEGIO Y ESCUELA LA PROVIDENCIA	EDUCATION	2	2 3 0 M
1 0 9	2 5	499	(SIN NOMBRE)	COMMERCE BUSINESS	1 2	1 4 0 M
1 0 9	2 6	500	JEFATURA DE RECAUDACIONES	ADMINISTRATION	3	1 2 0 M
1 0 9	2 7	501	COLEGIO 15 DE NOVIEMBRE	EDUCATION	2	9 0 M
1 0 9	2 8	503	EDIFICIO INDUAUTO	COMMERCE BUSINESS	2 2	0 M
1 0 9	2 9	504	TEMPLO EVANGELICO	CULTURE	2	0 M
1 0 9	3 0	596	(SIN NOMBRE)	COMMERCE BUSINESS	1 3	1 0 0 M
1 0 9	3 1	597	EDIFICIO QUISQUIS	COMMERCE BUSINESS	1 0	4 3 0 M
1 0 9	3 2	598	EDIFICIO ORELIANA	COMMERCE BUSINESS	1 9	5 4 0 M
1 0 9	3 3	600	EDIFICIO QUIL-1	COMMERCE BUSINESS	1 4	6 1 0 M
1 0 9	3 4	620	IGLESIA EVANGELICA	CULTURE	-	2 4 0 M
1 0 9	3 5	621	MINISTERIO DE AGRICULTURA	ADMINISTRATION	2 0	0 M
1 0 9	3 6	634	COLEGIO PROVINCIA DE GALAPAGOS	EDUCATION	2	4 0 M
1 0 9	3 7	650	HOSPITAL DE AISLAMIENTO	HOSPITAL	4	3 0 0 M
1 0 9	3 8	651	INSTITUTO DE HIGIENE	HOSPITAL	3	2 2 0 M
1 0 9	3 9	653	DIRECCION NACIONAL DE CONSTRUCCIONES	ADMINISTRATION	2	1 2 0 M
1 0 9	4 0	654	CLUB ROTARIO GUAYAQUIL	CULTURE	3	1 7 0 M
1 0 9	4 1	655	CLUB DE LEONES	RECREATION	4	2 0 0 M
1 0 9	4 2	656	COLEGIO NACIONAL ALFREDO B. MORENO	EDUCATION	2	2 5 0 M
1 0 9	4 3	657	CUERPO DE BOMBEROS	ADMINISTRATION	2	3 0 0 M
2 0 1	1	90	IGLESIA CORAZON DE JESUS	CULTURE	-	7 9 0 M
2 0 1	2	91	PARQUE ESPANA	RECREATION	-	8 7 0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(11)

B ZONE	MAIN FACILITY					DISTANCE FROM MRT ROUTE
	NO.	NAME	USAGE	NUMBER OF FLOOR		
2 0 1	3 93	EMPRESA ELECTRICA DEL ECUADOR	MANUFACTURE	2	1 1 0 0 M	
2 0 1	4 94	ASILO CALDERON AYLOARDO	ADMINISTRATION	2	7 2 0 M	
2 0 1	5 102	LICEO SICOPEDAGOGICO	EDUCATION	3	8 2 0 M	
2 0 1	6 103	COLEGIO REPUBLICA DEL ECUADOR	EDUCATION	4	7 7 0 M	
2 0 1	7 104	CLUB DE LA EMPRESA ELECTRICA	RECREATION	3	7 4 0 M	
2 0 1	8 106	INDUSTRIA PESQUERA	MANUFACTURE	3	1 0 5 0 M	
2 0 1	9 107	DIRECCION DE PESA	ADMINISTRATION	4	1 0 7 0 M	
2 0 1	1 0 109	EDIFICIO BLOY ALFARO	COMMERCE BUSINESS	1 0	9 7 0 M	
2 0 1	1 1 111	COLEGIO DOLORES VEINTIMILLA DE GALINDO	EDUCATION	3	9 6 0 M	
2 0 1	1 2 112	EDIFICIO RIO GUAYAS	COMMERCE BUSINESS	1 0	9 3 0 M	
2 0 1	1 3 114	SEGURO SOCIAL	ADMINISTRATION	3	5 8 0 M	
2 0 1	1 4 122	JABONERIA NACIONAL	MANUFACTURE	1	1 0 0 0 M	
2 0 1	1 5 126A	COLISEO HUANCABILCA	RECREATION	—	8 2 0 M	
2 0 1	1 6 126B	CUARTEL METRO POLITANO	ADMINISTRATION	1	7 7 0 M	
2 0 1	1 7 126C	MERCADO	COMMERCE	1	8 0 0 M	
2 0 1	1 8 158	FABRICA LA UNIVERSAL	MANUFACTURE	3	1 0 0 0 M	
2 0 2	1 88	ESTADIO CAPWEL	CULTURE RECREATION	—	0 M	
2 0 2	2 116	COLEGIO CALICUCHIMA	EDUCATION	6	4 4 0 M	
2 0 2	3 124	IPESA	MANUFACTURE	3	5 5 0 M	
2 0 2	4 137	COLEGIO GUAYAQUIL	EDUCATION	2	0 M	
2 0 2	5 137A	INSTITUTO MARIA MASARELO	EDUCATION	3	1 9 0 M	
2 0 2	6 137C	CENTRO MEDICO	HOSPITAL	5	0 M	

MAIN FACILITIES ALONGSIDE MRT ROUTE
(12)

B ZONE	MAIN FACILITY				DISTANCE FROM MRT ROUTE	
	NO.	NAME	USAGE	NUMBER OF FLOOR		
202	7	137D	HOSPITAL DEL NINO	HOSPITAL	5	0 M
202	8	137H	IGLESIA EVANGELICA CUADRANGULAR	CULTURE	—	80 M
203	1	135	CENTRO COMERCIAL	COMMERCE	1	350 M
203	2	138A	ESTADIO YEYO URAGA	RECREATION	3	550 M
203	3	148	PENSIONADO DE SENORITAS BUEN PASTOR	EDUCATION	2	470 M
203	4	149	COLEGIO ROSARIO SANCHEZ BRUNO	EDUCATION	2	430 M
204	1	74	BASE NAVAL	SPECIAL EQUIPMENT	2	1110 M
204	2	75	PARQUE DE LA ARMADA	RECREATION	—	1040 M
204	3	76	HOSPITAL DE NINOS LEON BECERRA	HOSPITAL	2	950 M
204	4	78	COLEGIO GERMANIA	EDUCATION	2	950 M
204	5	85	MERCADO	COMMERCE	1	100 M
204	6	86	PARQUE FORESTAL	RECREATION	—	0 M
205	1	61	I ETEL	ADMINISTRATION	2	140 M
205	2	62	MI COMISARIATO	COMMERCE	2	800 M
205	3	63	CENTRO COMERCIAL EL INCA	COMMERCE	1	900 M
205	4	64	CINE INCA	RECREATION	2	870 M
205	5	66	INDUSTRIA MOLINERA	MANUFACTURE	4	1130 M
205	6	67	IGLESIA MARIA AUXILIADORA	CULTURE	—	1000 M
205	7	68	COLEGIO CRISTOBAL COLON	EDUCATION	3	940 M
205	8	69	DIRECCION PROVINCIAL DEL GUAYAS	ADMINISTRATION	2	960 M
205	9	70	COLEGIO MONSEÑOR DOMINGO COMIN	EDUCATION	2	1030 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(13)

B ZONE	MAIN FACILITY					DISTANCE FROM MRT ROUTE
	NO.	NAME	USAGE	NUMBER OF FLOOR		
2 0 6	1	58	IGLESIA DE LA SAGRADA FAMILIA	CULTURE	--	0 M
2 0 6	2	59	COLEGIO GUILLERMO RODRE	EDUCATION	2	2 0 M
2 0 6	3	79	CINE LIDO	RECREATION	2	8 0 M
2 0 6	4	80	COLEGIO SAGRADO CORAZONES	EDUCATION	3	0 M
3 0 1	1	397	COLEGIO VICENTE ROCAFUERTE	EDUCATION	3	9 7 0 M
3 0 1	2	485	TENNIS CLUB	RECREATION	2	8 7 0 M
3 0 1	3	486	(SIN NOMBRE)	COMMERCE BUSINESS	1 1	9 5 0 M
3 0 1	4	487	(SIN NOMBRE)	COMMERCE BUSINESS	1 0	9 2 0 M
3 0 1	5	489	PARQUE GUAYAQUIL	RECREATION	--	7 9 0 M
3 0 2	1	133B	COLEGIO JOSE JOAQUIN DE OLEMEDO	EDUCATION	2	8 0 0 M
3 0 2	2	133C	HOGAR DE MENORES	ADMINISTRATION	2	8 8 0 M
4 0 1	1	26	CLUB DEL BEV	RECREATION	2	1 2 0 0 M
4 0 1	2	39	INDUSTRIA MOLINERA	MANUFACTURE	4	7 1 0 M
4 0 1	3	40	FABRICA LA UNIVERSAL	MANUFACTURE	2	7 7 0 M
4 0 1	4	50	MERCADO	COMMERCE	1	1 0 4 0 M
4 0 2	1	32	SUPERMERCADO LA FAVORITE	COMMERCE	2	1 1 0 M
4 0 2	2	35	CUERPO DE BOMBEROS	ADMINISTRATION	1	1 2 0 M
4 0 2	3	36	PARQUE DE LA CIUDADELA 9 DE OCTUBRE	RECREATION	--	1 5 0 M
4 0 2	4	37	IGLESIA NUESTRA SENORA DE MONSERRATE	CULTURE	--	1 7 0 M
4 0 2	5	38	COLEGIO ELOY ALFARO	EDUCATION	2	2 5 0 M
4 0 2	6	47	PARQUE CIUDADELA VILLAMIL	RECREATION	--	1 3 0 M
4 0 2	7	48	PARQUE CIUDADELA LA SAIDA	RECREATION	--	4 0 0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(14)

B ZONE	MAIN FACILITY				DISTANCE FROM MRT ROUTE	
	NO.	NAME	USAGE	NUMBER OF FLOOR		
4 0 2	8	52	UNIDAD EJECUTORA DEL B.E.V.	ADMINISTRATION	1	0 M
4 0 3	1	29	DIRECCION NACIONAL DE REHABILITACION INFATUADO	ADMINISTRATION	1	1 1 0 M
4 0 3	2	30	PISCINA	RECREATION	-	8 0 M
4 0 3	3	34	HOSPITAL DEL SEGURO SOCIAL	HOSPITAL	4	0 M
4 0 3	4	44	ARRIESGO DE TRABAJO	ADMINISTRATION	3	1 2 0 M
4 0 3	5	45	COLEGIO FRANCISCO DE ORELLANA	EDUCATION	2	1 7 0 M
4 0 3	6	46	UNIDAD EJECUTORA BEV	ADMINISTRATION	1	0 M
4 0 3	7	51	JUNTA NACIONAL DE LA VIVIENDA (JNV)	ADMINISTRATION	4	0 M
4 0 3	8	55	SUPERMERCADO CONQUISTADOR	COMMERCE	1	2 8 0 M
4 0 3	9	56	COLEGIO AURORA ESTRADA DE RAMIRES	EDUCATION	2	5 8 0 M
4 0 4	1	20	LAS OFICINAS PUBLICAS	ADMINISTRATION	6	1 0 0 M
4 0 4	2	27	CENTRO MUNICIPAL (TALLERES)	ADMINISTRATION	1	1 5 0 M
5 0 1	1	17	PARQUE	RECREATION	-	0 M
5 0 1	2	18	IGLEGIA	CULTURE	-	0 M
5 0 1	3	21	PROCARSA	MANUFACTURE	2	0 M
5 0 1	4	23	MI COMISARIATO	COMMERCE	1	0 M
5 0 1	5	24	PLASTEX	MANUFACTURE	2	6 5 0 M
5 0 1	6	25	RADIO LA PRENSA	ADMINISTRATION	1	8 0 0 M
5 0 1	7	28	FACULTAD DE AGONOMIA Y VETERINARIA	EDUCATION	3	0 M
5 0 2	1	8	BODEGAS DE TRANSNARE	BUSINESS	1	1 1 0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(15)

B ZONE	MAIN FACILITY					DISTANCE FROM MRT ROUTE
	NO.	NAME	USAGE	NUMBER OF FLOOR		
5 0 2	2	10	INSTITUTO DEL NINO Y LA FAMILIA	HOSPITAL	2	9 0 M
5 0 2	3	11	BODEGAS DE PELIKAN	MANUFACTURE	1	7 0 M
5 0 2	4	12	BODEGAS DE INCEL	MANUFACTURE	1	5 0 M
5 0 2	5	13	BODEGAS	BUSINESS	1	3 0 M
5 0 4	1	7	BASE NAVAL	SPECIAL EQUIPMENT	3	1 3 0 M
5 0 4	2	9	POLICIA MILITAR ADUANERA	ADMINISTRATION	4	9 0 M
5 0 4	3	14	FERTIZA	MANUFACTURE	2	1 2 0 0 M
5 0 5	1	1	AUTORIDAD PORTUARIA	TRANSPORTATION	1	2 0 0 0 M
5 0 5	2	2	INDUSTRIA CARTONERA	MANUFACTURE	1	2 0 0 0 M
5 0 5	3	3	INOCAR	SPECIAL EQUIPMENT	2	1 8 0 0 M
5 0 5	4	4	HOSPITAL MILITAR	HOSPITAL	4	1 5 0 0 M
5 0 5	5	5	PLANETARIA	CULTURE	2	1 5 0 0 M
5 0 5	6	6	INDUSTRIA FRIGORIFICA	MANUFACTURE	1	1 2 0 0 M
7 0 1	1	661	IGLESIA SANTA GEMMA	CULTURE	-	1 5 0 M
7 0 1	2	662	COLEGIO LA DOLOROSA	EDUCATION	3	1 5 0 M
7 0 1	3	663	PARQUE DE LA CIUADAELA BOLIVARIANA	RECREATION	-	0 M
7 0 1	4	664	CAMARA DE LA CONSTRUCCION	ADMINISTRATION	2	2 0 0 M
7 0 1	5	665	CIUADAELA UNIVERSITARIA (UNIV. GUAYAQUIL)	EDUCATIONNESS	6	0 ~ 400 M
7 0 2	1	-	URDESA CENTRO	COMMERCE	-	9 0 0 M
7 0 2	2	-	EDIFICIOS AL LADO DE AR. VICTOR EMILIO ESTRADA	COMMERCE	-	1100~2000 M
7 1 2	1	666	INSTITUTO ABDON CALDERON	EDUCATION	2	3 3 0 M
7 1 2	2	667	COLEGIO DE ARQUITECTOS	EDUCATION	2	0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(16)

B ZONE	MAIN FACILITY				DISTANCE FROM MRT ROUTE	
	NO.	NAME	USAGE	NUMBER OF FLOOR		
7 1 2	3	673	PARQUE DE DIUDADELA KENNEDY	RECREATION	—	0 M
7 1 2	4	680	POLICENTRO	COMMERCE BUSINESS	2	0 M
7 1 3	1	668	CLUB DEL BANCO CENTRAL DEL ECUADOR	RECREATION	1	0 M
7 1 3	2	669	ESTADIO MODELO DE GUAYAQUIL	RECREATION	1	2 2 0 M
7 1 3	3	670	COLISEO VOLTAIRE PALADINES POLO	RECREATION	1	1 5 0 M
7 1 3	4	671	COMITE OLIMPICO ECUATORIANO	ADMINISTRATION	2	4 0 0 M
7 1 3	5	674	CUARTEL MODELO DE POLICIA	ADMINISTRATION	2	5 5 0 M
7 1 3	6	678	COLEGIO TECNICO SIMON BOLIVAR	EDUCATION	2	5 5 0 M
7 1 4	1	682	ASILO DE ANCIANOS SAN JOSE	ADMINISTRATION	2	2 3 0 M
7 1 4	2	683	COLEGIO GABRIELA MISTRAL	EDUCATION	2	5 2 0 M
7 1 4	3	689	CLUB SOCIAL ITALIANA GARIBALDY	RECREATION	1	4 5 0 M
7 1 4	4	691	DIRECCION DE AVIACION CIVIL	ADMINISTRATION	5	4 1 0 M
7 1 4	5	692	SONAPAL	SPECIAL EQUIPMENT	1	3 0 0 M
7 1 4	6	695	INSTITUTO DE INVESTIGACIONES VETERINA	HOSPITAL	2	2 0 0 M
8 0 1	1	640	CERVECERIA NACIONAL	MANUFACTURE	2	2 0 0 0 M
8 0 1	2	642	PILADORA MODELO	MANUFACTURE	3	1 9 0 0 M
8 0 1	3	643	INDULAC	MANUFACTURE	—	1 9 0 0 M
8 0 1	4	644	HOSPITAL PSIQUIATRICO LORENZO PONCE	HOSPITAL	2	1 5 0 0 M
8 0 1	5	645	HOSPITAL LUIS VERNAZA	HOSPITAL	3	9 0 0 M

MAIN FACILITIES ALONGSIDE MRT ROUTE
(17)

B ZONE	MAIN FACILITY					DISTANCE FROM MRT ROUTE
	NO.	NAME	USAGE	NUMBER OF FLOOR		
8 0 1	6	646	HOSPITAL TERRITORIAL	HOSPITAL	5	1 1 0 0 M
8 0 1	7	647	JUNTA DE CALIFICACION DEL GUAYAS	ADMINISTRATION	4	8 5 0 M
8 0 1	8	648	TRIBUNAL ELECTORAL DEL GUAYAS	ADMINISTRATION	3	9 0 0 M
8 0 1	9	649	I ETEL	ADMINISTRATION	4	5 0 0 M
8 0 1	1 0	659	MI COMISARIATO	COMMERCE	1	3 0 0 M
8 0 1	1 1	675	COLEGIO FISCAL AGUIRRE ABAD	EDUCATION	3	6 0 0 M
8 0 1	1 2	676	PARQUE DE LA ATARAZANA	RECREATION	-	1 1 2 0 M
8 0 1	1 3	677	UNIVERSIDAD LAICA VICENTE ROCAFUERTE	EDUCATION	4	7 0 0 M
8 0 1	1 4	686	CLUB DEL BONCO DE FOMENTO	RECREATION	1	1 0 2 0 M
8 0 1	1 5	687	BOLOCENTRO 2000	RECREATION	1	1 1 2 0 M
8 0 1	1 6	-	CEMENTERIO	SPECIAL EQUIPMENT	-	5 5 0 M
8 0 2	1	699	BODEGA	MANUFACTURE	1	0 M
8 0 2	2	702	FUERZA AEREA ECUATORIANA	SPECIAL EQUIPMENT	2	1 9 0 0 M
8 0 2	3	703	SICO	MANUFACTURE	2	3 6 0 M
8 0 2	4	704	BODGAS ECUAFEL	SPECIAL EQUIPMENTT	1	0 M
8 0 2	5	705	TERMINAL TERRESTRE	SPECIAL EQUIPMENT	3	0 M
8 0 2	6	-	AEROPUERTO SIMON BOLIVAR	SPECIAL EQUIPMENT	-	0 M
8 0 3	1	706	ACADEMIA DE TENNIS EDUARDO ZULETA	RECREATION	1	1500~2000 M
8 0 3	2	707	MI COMISARIATO	COMMERCE	1	1500~2000 M
8 0 3	3	710	ALBOCENTRO	COMMERCE	1	1500~2000 M
8 0 3	4	717	IGLESIA DE LA ALBORADA	CULTURE	-	1500~2000 M
8 0 3	5	718	PISCINA JORGE DELGADO PANCHANA	RECREATION	-	1500~2000 M

1990 - BUS

====(1990)=====

	01**	02**	03**	04**	05**	06**	07**	08**	09**	10**	INNER	TOTAL
01**	62535	32341	47077	22727	40255	59949	40830	12790	4327	16661	342142	342142
02**	40292	9796	13409	10349	18926	20352	9393	2608	71	1240	125416	126416
03**	64458	20137	13668	3406	6650	23559	13170	12132	1427	1341	159948	157948
04**	22212	11380	3211	6151	7133	5800	6747	1635	140	495	64864	64864
05**	43698	19176	7395	6978	9935	9274	7347	3047	186	829	107865	107865
06**	89969	29144	36083	5435	9871	47599	15053	7434	470	606	244864	244864
07**	43396	9450	11231	5427	8261	11775	30067	8931	2041	3639	139298	133298
08**	16192	2576	3691	1147	3316	5593	12108	2595	361	2193	50772	50772
09**	6903	535	1744	248	277	1046	2672	750	234	414	14823	14823
10**	19571	1332	2197	380	982	1059	3005	5220	78	7571	41395	41395
INNER	414256	134867	140306	63248	106156	189006	140382	57142	7035	35099	1289297	1289297
TOTAL	414256	134867	140306	63248	106156	189006	140382	57142	7035	35099	1289297	1289297

1990 - CAR

====(1990)=====

	01**	02**	03**	04**	05**	06**	07**	08**	09**	10**	INNER	TOTAL
01**	194216	46230	25876	6130	12990	12361	39219	17093	17550	5420	376135	376135
02**	33691	29018	9418	2239	4253	3492	8334	3618	4530	1292	98885	98885
03**	37751	17058	22020	2411	4627	6526	11775	4831	5201	1835	115245	115245
04**	18558	9571	5038	4659	5389	2766	5590	2462	3599	1091	59713	59713
05**	30894	14415	7845	4122	11705	4557	9331	4338	6775	1955	95447	96447
06**	33318	15267	14157	2693	6264	20134	16052	5905	10901	2675	132566	132566
07**	60168	17757	13141	3148	7098	8712	44947	10416	17625	3478	185692	185692
08**	27092	7794	5403	1383	3123	3202	10456	7154	8137	1650	75394	75394
09**	32194	11286	8034	2327	5762	6839	20976	9433	3767	3501	140079	140079
10**	29131	5774	4806	1389	3329	3252	7752	3667	5702	10558	69360	69360
INNER	492923	175180	114788	30751	64750	71831	173932	68919	121977	33465	1343516	1343516
TOTAL	492923	175180	114788	30751	64750	71831	173932	68919	121977	33465	1343516	1343516

1990 - TAXI

====(1990)=====

	01**	02**	03**	04**	05**	06**	07**	08**	09**	10**	INNER	TOTAL
01**	79171	29260	11581	2658	5834	6189	16744	6782	7584	2417	161220	161220
02**	15148	9951	3762	929	1675	1801	4029	1594	2640	616	42363	42363
03**	15356	7239	9000	1008	2115	2934	5292	2004	3379	822	42399	42399
04**	8077	3929	2169	1640	1953	1291	2516	1097	1379	490	25141	25141
05**	13354	6028	3371	1434	4657	2131	4326	1739	3430	828	41318	41318
06**	17646	7064	5949	1238	2776	5870	7070	2493	5523	1195	55826	56326
07**	25039	8194	5841	1392	3139	4077	17792	3963	3440	1525	77982	77982
08**	10587	3321	2246	557	1273	1442	4032	4749	3451	646	32306	32306
09**	15477	6039	4185	1154	2781	3554	9509	3854	19668	1620	60071	60071
10**	7935	2820	1944	529	1263	1393	3056	1290	2397	2338	25515	25515
INNER	210660	74895	49070	12729	27686	30712	74356	29465	52091	12477	574141	574141
TOTAL	210660	74895	49070	12729	27686	30712	74356	29465	52091	12477	574141	574141

THE FEASIBILITY STUDY
ON GUAYAQUIL CITY
URBAN TRANSPORTATION
PLAN IN THE
REPUBLIC OF ECUADOR

FUTURE OD TABLES

JAPAN
INTERNATIONAL
COOPERATION
AGENCY

Appendix 3-2 SAMPLE PERSONAL CHARACTERISTICS (HOME INTERVIEW)

1. SEX COMPOSITION

CATEGORY	FREQUENCY	FREQUENCY (%)
MALE	808	52.1
FEMALE	743	47.9
TOTAL	1551	100.0

2. AGE COMPOSITION

CATEGORY	FREQUENCY	FREQUENCY (%)
~ 11	79	5.1
12 ~ 19	393	25.3
20 ~ 29	425	27.4
30 ~ 39	267	17.2
40 ~ 49	216	13.9
50 ~	171	11.0
TOTAL	1551	100.0

3. OCCUPATION

CATEGORY	FREQUENCY	FREQUENCY (%)
PROFESSIONAL, ENGIN	124	8.0
ADMINISTRATIVE	27	1.7
OFFICE EMPLOYEE	170	11.0
COMERCIAL, SALES	103	6.7
AGRICULTURE	9	0.6
CONDUCTOR, OPERATOR	19	1.2
ARTESAN	34	2.2
DAILY LABOURER	59	3.8
PRIVATE WORK	68	4.8
STUDENT	566	36.6
HOUSE WIFE	282	18.2
OTHERS	87	5.6
TOTAL	1548	100.0

4. MONTHLY INCOME LEVEL

CATEGORY	FREQUENCY	FREQUENCY (%)
~ 8000 SUCRES	31	2.0
~ 15000 SUCRES	188	12.1
~ 25000 SUCRES	354	22.8
~ 50000 SUCRES	482	31.1
~ 70000 SUCRES	265	17.1
~ 100000 SUCRES	127	8.2
100000 ~ SUCRES	104	6.7
TOTAL	1551	100.0

5. CAR-OWNERSHIP

CATEGORY	FREQUENCY	FREQUENCY (%)
No Cars	948	61.1
Passenger Car	338	21.8
Van	214	13.8
Heavy Iorry	14	0.9
Bike	38	2.4
TOTAL	1552	100.0

SAMPLE PERSONAL CHARACTERISTICS (OFFICE INTERVIEW)

1. SEX COMPOSITION

CATEGORY	FREQUENCY	FREQUENCY (%)
MALE	555	47.8
FEMALE	605	52.2
TOTAL	1161	100.0

2. AGE COMPOSITION

CATEGORY	FREQUENCY	FREQUENCY (%)
~ 11	1	0.1
12 ~ 19	43	3.7
20 ~ 29	567	48.8
30 ~ 39	381	32.8
40 ~ 49	118	10.2
50 ~	52	4.5
TOTAL	1162	100.0

3. OCCUPATION

CATEGORY	FREQUENCY	FREQUENCY (%)
PROFESIONAL, ENGIN	178	15.3
ADMINISTRATIVE	54	4.7
OFFICE EMPLOYEE	791	68.1
COMERCIAL, SALES	17	1.5
AGRICULTURE	0	0
CONDUCTOR, OPERATOR	5	0.4
ARTESAN	0	0
DAILY LABOURER	19	1.6
PRIVATE WORK	9	0.8
STUDENT	18	1.6
HOUSE WIFE	1	0.1
OTHERS	69	5.9
TOTAL	1161	100.0

4. MONTHLY INCOME LEVEL

CATEGORY	FREQUENCY	FREQUENCY (%)
~ 8000 SECRES	3	0.3
~ 15000 SECRES	216	18.6
~ 25000 SECRES	378	32.6
~ 50000 SECRES	337	29.0
~ 70000 SECRES	128	11.0
~ 100000 SECRES	62	5.3
100000 ~ SECRES	37	3.2
TOTAL	1161	100.0

5. CAR-OWNERSHIP

CATEGORY	FREQUENCY	FREQUENCY (%)
No Cars	730	62.9
Passenger Car	263	22.7
Van	145	12.5
Heavy Iorry	5	0.4
Bike	18	1.6
TOTAL	1161	100.0

(OFFICE INTERVIEW) OPINION ON MRT INTRODUCTION

ENQ / 10-1 Reasons to choose bus			
	Answer	No.	Rate (%)
A	Impossible to use cars	59	3.7
B	Fare is cheaper	475	29.7
C	Faster than other transit	152	9.5
D	Safer than other transit	79	4.9
E	Convinient	77	4.8
F	Bus route near the origin on destination	555	34.7
G	Frequent service	172	10.7
H	Other reasons	32	2.0
Total		1601	

ENQ / 10-2 Reasons to choose Car			
	Answer	No.	Rate (%)
A	High mobility	141	17.7
B	Free to move	95	11.9
C	Relatively economical	41	5.2
D	Faster than other	218	27.4
E	Safer than other	147	18.4
F	Convinient	101	12.7
G	Convinient to carry baggages	17	2.1
H	Convinient to visit many places	21	2.6
I	Other reasons	16	2.0
Total		797	

ENQ / 10-3 Reasons to choose taxi			
	Answer	No.	Rate (%)
A	Impossible to use cars	3	1.2
B	Fare is cheaper	1	0.4
C	Faster than others	105	42.5
D	Safer than others	62	25.1
E	Convinient	54	21.9
F	Convinient to use	21	8.5
G	Bus doesn't serve near origin or destination	0	0
H	Other reasons	1	0.4
Total		247	

ENQ / 11-1 Comment on MRT introduction to Guayaquil			
	Answer	No.	Rate (%)
A	Transport service in Guayaquil gets much better	1022	36.5
B	Use MRT every time	439	15.7
C	Use MRT depending on necessity	473	16.9
D	Don't use MRT	10	0.3
E	MRT structure should be fit for urban view in Guayaquil	76	2.7
F	Don't like MRT because many transfers take place	40	1.4
G	The urban land use change with MRT is better for condition?	742	26.5
		Total	2802

ENQ / 11-2 Which do you take in case of each MRT service condition?					
Fare of MRT	Frequency of MRT	Use		Not use	Total
Same as Bus	Same as Bus	778	67.2%	380 32.8%	1158
Same as Bus	Fewer than Bus	584	50.4%	574 49.6%	1158
1.5 times of Bus	Same as Bus	593	51.2%	565 48.8%	1158
1.5 times of Bus	Fewer than Bus	616	53.2%	542 46.8%	1158
Total		2571	55.5%	2061 44.5%	4632

ENQ / 11-3 What do you expect more for MRT?						
	More desirable		Desirable		Relatively desirable	Total
High speed	446	38.9%	421	36.8%	278 24.3%	1145
High punctuality	726	62.7%	385	33.3%	46 4.0%	1157
Convenience	744	64.3%	344	29.7%	70 6.0%	1158
Safer	836	72.1%	227	19.6%	96 8.3%	1159
Cleaness	736	64.4%	299	26.2%	108 9.4%	1143
Total	3488	60.5%	1676	29.1%	598 10.4%	5762

Appendix 3-3 MODAL CHOICE BY FACTORS

HOME INTERVIEW (1)

(%)

Trip purpose	Modal choice result		
	1 Bus	2 Taxi	3 Car
1 To work	312 (63.8)	34 (7.0)	143 (29.2)
2 To school	443 (81.0)	28 (5.1)	76 (13.9)
3 Business	98 (38.0)	45 (17.4)	115 (44.6)
4 Private	525 (58.9)	108 (12.1)	259 (29.0)
5 To home	984 (71.1)	156 (11.3)	244 (17.6)
6 Almuerzo	271 (59.8)	28 (6.2)	154 (34.0)
7 Others	27 (100.0)	0 (0.0)	0 (0.0)
(Bus-Taxi) Travel time difference			
1 0 - 5 minutes	759 (62.3)	123 (10.1)	337 (27.6)
2 6 - 10 minutes	1020 (66.4)	164 (10.7)	352 (22.9)
3 11 - 20 minutes	725 (65.8)	102 (9.3)	275 (24.9)
4 21 - 30 minutes	120 (76.9)	9 (5.8)	27 (17.3)
5 31 - minutes	36 (97.3)	1 (2.7)	0 (0.0)
(Bus-Car) Travel time difference			
1 0 - 5 minutes	677 (66.2)	75 (7.3)	271 (26.5)
2 6 - 10 minutes	1002 (63.1)	160 (10.1)	425 (26.8)
3 11 - 20 minutes	810 (67.5)	140 (11.7)	250 (20.8)
4 21 - 30 minutes	123 (66.1)	22 (11.8)	41 (22.0)
5 31 - minutes	48 (88.9)	2 (3.7)	4 (7.4)
Bus Access time			
1 0 - 5 minutes	668 (68.2)	89 (9.1)	223 (22.7)
2 6 - 10 minutes	1063 (55.3)	262 (13.6)	596 (31.0)
3 11 - minutes	929 (80.8)	48 (4.2)	172 (15.0)

(Source) Supplementary traffic survey by team in 1985.

HOME INTERVIEW (2)

(%)

(Bus-Taxi) Total time difference	Modal choice result		
	1 Bus	2 Taxi	3 Car
1 0 - 10 minutes	382 (66.4)	40 (7.0)	153 (26.6)
2 11 - 15 minutes	607 (56.5)	154 (14.3)	313 (29.1)
3 16 - 20 minutes	630 (60.6)	124 (11.9)	286 (27.5)
4 21 - 25 minutes	441 (69.1)	49 (7.7)	148 (23.2)
5 26 - 30 minutes	267 (18.5)	21 (6.2)	52 (15.3)
6 31 - minutes	333 (86.9)	11 (2.9)	39 (10.2)
(Bus-Car) Total time difference			
1 0 - 10 minutes	359 (65.6)	28 (5.1)	160 (29.3)
2 11 - 15 minutes	571 (61.5)	115 (12.4)	242 (26.1)
3 16 - 20 minutes	608 (57.5)	127 (12.0)	322 (30.5)
4 21 - 25 minutes	488 (69.0)	73 (10.3)	146 (20.7)
5 26 - 30 minutes	266 (72.3)	33 (9.0)	69 (18.7)
6 31 - minutes	368 (83.1)	23 (5.2)	52 (11.7)
(Bus-Taxi) Time difference weighted			
1 - -0.010	268 (93.7)	8 (2.8)	10 (3.5)
2 -0.010 - -0.008	133 (85.8)	4 (2.6)	18 (11.6)
3 -0.008 - -0.006	231 (78.8)	26 (8.9)	36 (12.3)
4 -0.006 - -0.004	405 (79.6)	32 (6.3)	72 (14.1)
5 -0.004 - -0.002	739 (69.3)	113 (10.6)	214 (20.1)
6 -0.002 - 0.000	884 (50.8)	216 (12.4)	641 (36.8)

HOME INTERVIEW (3)

(%)

(Bus-Car) Time difference weighted	Modal choice result		
	1 Bus	2 Taxi	3 Car
1 - -0.0010	139 (90.9)	8 (5.2)	6 (3.9)
2 -0.0010 - -0.0008	63 (84.0)	3 (4.0)	9 (12.0)
3 -0.0008 - -0.0006	91 (79.1)	11 (9.6)	13 (11.3)
4 -0.0006 - -0.0004	220 (76.7)	21 (7.3)	46 (16.0)
5 -0.0004 - -0.0002	372 (68.2)	45 (8.3)	128 (23.5)
6 -0.0002 - -0.0001	1536 (59.2)	292 (11.2)	769 (29.6)
7 -0.0001 -	239 (86.0)	19 (6.8)	20 (7.2)
Sex			
1 Male	1440 (64.2)	188 (8.4)	614 (27.4)
2 Female	1220 (67.5)	211 (11.7)	377 (20.8)
Age			
1 - 11	104 (71.3)	11 (7.5)	31 (21.2)
2 - 19	699 (79.8)	59 (6.7)	118 (13.5)
3 - 29	859 (72.2)	86 (7.2)	245 (20.6)
4 - 39	446 (59.2)	107 (14.2)	200 (26.6)
5 - 49	289 (46.0)	84 (13.4)	255 (40.6)
6 50 -	263 (57.5)	52 (11.4)	142 (31.1)

HOME INTERVIEW (4)

(%)

Occupation	Modal choice result		
	1 Bus	2 Taxi	3 Car
1 Professional, Engineer	164 (39.3)	46 (11.0)	207 (49.6)
2 Administrative	14 (13.6)	11 (10.7)	78 (75.7)
3 Office employee	373 (70.0)	41 (7.7)	119 (22.3)
4 Comercial, Sales	166 (53.2)	51 (16.3)	95 (30.5)
5 Agriculture	10 (35.7)	6 (21.4)	12 (42.9)
6 Conductor, Operator	25 (46.3)	3 (5.6)	26 (48.1)
7 Artesan	51 (60.0)	5 (5.9)	29 (34.1)
8 Daily labourer	136 (88.3)	7 (4.6)	11 (7.1)
9 Private Work	129 (65.5)	30 (15.2)	38 (19.3)
10 Student	1008 (78.3)	68 (5.3)	211 (16.4)
11 House Wife	429 (66.1)	102 (15.7)	118 (18.2)
12 Others	155 (67.1)	29 (12.6)	47 (20.3)
Monthly family income			
1 - 8,000 Sucres	63 (98.4)	1 (1.6)	0 (0.0)
2 - 15,000 Sucres	384 (90.1)	29 (6.8)	13 (3.1)
3 - 25,000 Sucres	685 (79.7)	101 (11.7)	74 (8.6)
4 - 50,000 Sucres	918 (73.3)	125 (10.0)	209 (16.7)
5 - 70,000 Sucres	389 (54.5)	71 (10.0)	253 (35.5)
6 - 100,000 Sucres	132 (33.3)	52 (13.1)	212 (53.6)
7 100,000 - Sucres	89 (26.3)	20 (5.9)	230 (67.8)
Car ownership			
1 Car own	1965 (86.3)	240 (10.6)	71 (3.1)
2 No car	695 (39.2)	159 (9.0)	920 (51.8)

OFFICE INTERVIEW (1)

(%)

Trip purpose	Modal choice result		
	1 Bus	2 Taxi	3 Car
1 To work	752 (67.3)	76 (6.8)	290 (25.9)
2 To School	135 (76.3)	7 (3.9)	35 (19.8)
3 Business	42 (44.2)	16 (16.8)	37 (40.0)
4 Private	211 (51.0)	47 (11.3)	156 (37.7)
5 To home	725 (67.1)	77 (7.1)	278 (25.8)
6 Almuerzo	418 (76.0)	19 (3.5)	113 (20.5)
7 Others	9 (56.2)	1 (6.3)	6 (37.5)
(Bus-Taxi) Travel time difference			
1 0 - 5 minutes	490 (65.7)	68 (9.1)	188 (25.2)
2 6 - 10 minutes	803 (59.0)	119 (8.7)	439 (32.3)
3 11 - 20 minutes	852 (72.3)	53 (4.5)	274 (23.2)
4 21 - 30 minutes	126 (88.7)	3 (2.1)	13 (9.2)
5 31 - minutes	21 (95.5)	0 (0.0)	1 (4.5)
(Bus-Car) Travel time difference			
1 0 - 5 minutes	521 (63.8)	71 (8.7)	224 (27.5)
2 6 - 10 minutes	788 (59.9)	120 (9.1)	407 (31.0)
3 11 - 20 minutes	825 (71.8)	49 (4.3)	275 (23.9)
4 21 - 30 minutes	132 (93.0)	3 (2.1)	7 (4.9)
5 31 - minutes	26 (92.9)	0 (0.0)	2 (7.1)
Bus Access time			
1 0 - 5 minutes	591 (59.6)	95 (9.6)	305 (30.8)
2 6 - 10 minutes	931 (59.4)	127 (8.1)	509 (32.5)
3 11 - minutes	770 (86.3)	21 (2.4)	101 (11.3)

OFFICE INTERVIEW (2)

(%)

(Bus-Taxi) Total time difference	Modal choice result		
	1 Bus	2 Taxi	3 Car
1 0 - 10 minutes	254 (56.6)	46 (10.2)	149 (33.2)
2 11 - 15 minutes	500 (57.0)	91 (10.4)	286 (32.6)
3 16 - 20 minutes	553 (61.2)	67 (7.4)	284 (31.4)
4 21 - 25 minutes	423 (73.1)	28 (4.8)	128 (22.1)
5 26 - 30 minutes	254 (81.2)	7 (2.2)	52 (16.6)
6 31 - minutes	308 (93.9)	4 (1.2)	16 (4.9)
(Bus-Car) Total time difference			
1 0 - 10 minutes	270 (53.8)	50 (10.0)	182 (36.2)
2 11 - 15 minutes	512 (58.3)	92 (10.5)	274 (31.2)
3 16 - 20 minutes	527 (60.5)	67 (7.7)	277 (31.8)
4 21 - 25 minutes	423 (74.0)	22 (3.8)	127 (22.2)
5 26 - 30 minutes	263 (86.0)	8 (2.6)	35 (11.4)
6 31 - minutes	297 (92.5)	4 (1.3)	20 (6.2)
(Bus-Taxi) Time difference weighted			
1 - -0.010	302 (83.9)	13 (3.6)	45 (12.5)
2 -0.010 - -0.008	180 (82.9)	6 (2.8)	31 (14.3)
3 -0.008 - -0.006	330 (81.7)	20 (4.9)	54 (13.4)
4 -0.006 - -0.004	419 (73.1)	27 (4.7)	127 (22.2)
5 -0.004 - -0.002	636 (61.1)	88 (8.5)	316 (30.4)
6 -0.002 - 0.000	425 (49.6)	89 (10.4)	342 (40.0)

OFFICE INTERVIEW (3)

(%)

(Bus-Car) Time difference weighted	Modal choice result		
	1 Bus	2 Taxi	3 Car
1 - -0.0010	175 (87.1)	4 (2.0)	22 (10.9)
2 -0.0010 - -0.0008	90 (80.3)	4 (3.6)	18 (16.1)
3 -0.0008 - -0.0006	170 (84.6)	13 (6.5)	18 (8.9)
4 -0.0006 - -0.0004	262 (76.0)	15 (4.3)	68 (19.7)
5 -0.0004 - -0.0002	433 (66.7)	38 (5.9)	178 (27.4)
6 -0.0002 - -0.0001	1009 (58.5)	156 (9.1)	559 (32.4)
7 -0.0001 -	153 (70.2)	13 (6.0)	52 (23.8)
Sex			
1 Male	1083 (64.8)	92 (5.5)	497 (29.7)
2 Female	1209 (68.0)	151 (8.5)	418 (23.5)
Age			
1 - 11	4 (100.0)	0 (0.0)	0 (0.0)
2 - 19	112 (83.6)	1 (0.7)	21 (15.7)
3 - 29	1256 (72.5)	123 (7.1)	353 (20.4)
4 - 39	660 (60.9)	98 (9.0)	327 (30.1)
5 - 49	171 (50.3)	16 (4.7)	153 (45.0)
6 50 -	89 (57.4)	5 (3.2)	61 (39.4)

OFFICE INTERVIEW (4)

(%)

Occupation	Modal choice result		
	1 Bus	2 Taxi	3 Car
1 Professional, Engineer	229 (41.1)	46 (8.3)	282 (50.6)
2 Administrative	59 (38.3)	14 (9.1)	81 (52.6)
3 Office employee	1686 (72.1)	161 (6.9)	490 (21.0)
4 Comercial, Sales	25 (47.2)	5 (9.4)	23 (43.4)
5 Agriculture	- (-)	- (-)	- (-)
6 Conductor, Operator	10 (58.8)	0 (0.0)	7 (41.2)
7 Artesan	- (-)	- (-)	- (-)
8 Daily labourer	47 (87.0)	5 (9.3)	2 (3.7)
9 Private work	18 (66.7)	0 (0.0)	9 (33.3)
10 Student	35 (79.5)	0 (0.0)	9 (20.5)
11 House Wife	2 (50.0)	2 (50.0)	0 (0.0)
12 Others	181 (89.2)	10 (4.9)	12 (5.9)
Monthly family income			
1 -- 8,000 Sucres	11 (91.7)	1 (8.3)	0 (0.0)
2 -- 15,000 Sucres	596 (88.8)	27 (4.0)	48 (7.2)
3 -- 25,000 Sucres	824 (74.8)	77 (7.0)	200 (18.2)
4 -- 50,000 Sucres	560 (58.3)	74 (7.7)	327 (34.0)
5 -- 70,000 Sucres	190 (49.0)	30 (7.7)	168 (43.3)
6 -- 100,000 Sucres	85 (43.6)	25 (12.8)	85 (43.6)
7 100,000 -- Sucres	26 (21.3)	9 (7.4)	87 (71.3)
Car ownership			
1 Car own	1936 (90.1)	172 (8.0)	40 (1.9)
2 No car	356 (27.3)	71 (5.5)	875 (67.2)

TRANSPORT INTERVIEW (1)

(%)

Sex	Modal choice result		
	1 Bus	2 Taxi	3 Car
1 Male	285 (30.9)	257 (27.9)	379 (41.2)
2 Female	204 (37.5)	234 (43.0)	106 (19.5)
Age			
1 - 19	60 (69.8)	18 (20.9)	8 (9.3)
2 - 29	212 (38.4)	195 (35.3)	145 (26.3)
3 - 39	115 (26.9)	153 (35.7)	160 (37.4)
4 - 49	56 (21.7)	86 (33.3)	116 (45.0)
5 50 -	46 (32.6)	39 (27.7)	56 (39.7)
Occupation			
1 Professional, Engineer	37 (12.0)	74 (24.0)	197 (64.0)
2 Administrative	5 (9.8)	12 (23.5)	34 (66.7)
3 Office employee	88 (28.9)	130 (42.6)	87 (28.5)
4 Commercial, Sales	28 (24.4)	45 (39.1)	42 (36.5)
5 Service	37 (46.2)	30 (37.5)	13 (16.3)
6 Manufacture	38 (53.5)	20 (28.2)	13 (18.3)
7 Student	118 (49.8)	67 (28.3)	52 (21.9)
8 House wife	64 (41.6)	76 (49.3)	14 (9.1)
9 Others	74 (51.4)	37 (25.7)	33 (22.9)

TRANSPORT INTERVIEW (2)

(%)

Monthly family income	Modal choice result		
	1 Bus	2 Taxi	3 Car
1 - 8,000 Sucres	32 (74.4)	9 (20.9)	2 (4.7)
2 - 15,000 Sucres	124 (68.5)	42 (23.2)	15 (8.3)
3 - 25,000 Sucres	159 (42.7)	158 (42.5)	55 (14.8)
4 - 50,000 Sucres	135 (28.1)	177 (36.9)	168 (35.0)
5 - 70,000 Sucres	26 (10.9)	82 (34.3)	131 (54.8)
6 - 100,000 Sucres	10 (9.1)	17 (15.5)	83 (75.4)
7 100,000 - Sucres	3 (7.5)	6 (15.0)	31 (77.5)
Car ownership			
1 No car	429 (51.6)	381 (45.9)	21 (2.5)
2 Car own	60 (9.5)	110 (17.3)	464 (73.2)
Trip purpose			
1 To work	140 (36.3)	88 (22.8)	158 (40.9)
2 To school	33 (39.8)	23 (27.7)	27 (32.5)
3 Business	47 (33.3)	56 (39.7)	38 (27.0)
4 Private	100 (23.5)	167 (39.3)	158 (37.2)
5 To home	131 (38.0)	134 (38.8)	80 (23.2)
6 Almuerzo	27 (45.0)	11 (18.3)	22 (36.7)
7 Others	11 (44.0)	12 (48.0)	2 (8.0)
(Bus-Taxi) Travel time difference			
1 0 - 5 minutes	106 (29.9)	162 (45.8)	86 (24.3)
2 6 - 10 minutes	87 (16.9)	201 (39.0)	227 (44.1)
3 11 - 20 minutes	121 (31.3)	108 (27.9)	158 (40.8)
4 21 - 30 minutes	89 (74.8)	19 (16.0)	11 (9.2)
5 31 - minutes	86 (95.6)	1 (1.1)	3 (3.3)

TRANSPORT INTERVIEW (3)

(%)

(Bus-Car) Travel time difference	Modal choice result		
	1 Bus	2 Taxi	3 Car
1 0 - 5 minutes	61 (32.8)	94 (50.5)	31 (16.7)
2 6 - 10 minutes	62 (12.9)	200 (41.8)	217 (45.3)
3 11 - 20 minutes	157 (30.5)	149 (28.9)	209 (40.6)
4 21 - 30 minutes	86 (55.1)	45 (28.9)	25 (16.0)
5 31 - minutes	123 (95.4)	3 (2.3)	3 (2.3)
Bus Access time			
1 0 - 5 minutes	23 (26.1)	22 (25.0)	43 (48.9)
2 6 - 10 minutes	98 (14.9)	280 (42.5)	281 (42.6)
3 11 - minutes	368 (51.3)	189 (26.3)	161 (22.4)
(Bus-Taxi) Total time difference			
1 0 - 10 minutes	46 (37.7)	40 (32.8)	36 (29.5)
2 11 - 15 minutes	37 (12.8)	135 (46.7)	117 (40.5)
3 16 - 20 minutes	56 (15.3)	145 (39.5)	166 (45.2)
4 21 - 25 minutes	49 (21.8)	90 (40.0)	86 (38.2)
5 26 - 30 minutes	46 (35.1)	38 (29.0)	47 (35.9)
6 31 - minutes	255 (77.0)	43 (13.0)	33 (10.0)
(Bus-Car) Total time difference			
1 0 - 10 minutes	22 (35.5)	25 (40.3)	15 (24.2)
2 11 - 15 minutes	32 (14.2)	100 (44.5)	93 (41.3)
3 16 - 20 minutes	38 (11.8)	140 (43.3)	145 (44.9)
4 21 - 25 minutes	54 (19.4)	115 (41.2)	110 (39.4)
5 26 - 30 minutes	44 (27.7)	48 (30.2)	67 (42.1)
6 31 - minutes	299 (71.7)	63 (15.1)	55 (13.2)

TRANSPORT INTERVIEW (4)

(%)

(Bus-Taxi) Time difference weighted	Modal choice result		
	1 Bus	2 Taxi	3 Car
1 - -0.010	164 (83.3)	14 (7.1)	19 (9.6)
2 -0.010 - -0.008	63 (72.4)	14 (16.1)	10 (11.5)
3 -0.008 - -0.006	53 (57.0)	24 (25.8)	16 (17.2)
4 -0.006 - -0.004	60 (37.3)	57 (35.4)	44 (27.3)
5 -0.004 - -0.002	92 (23.0)	177 (44.1)	132 (32.9)
6 -0.002 - 0.000	57 (10.8)	205 (39.0)	264 (50.2)
(Bus-Car) Time difference weighted			
1 - -0.0010	2 (66.7)	1 (33.3)	0 (0.0)
2 -0.0010 - -0.0008	2 (33.3)	2 (33.3)	2 (33.4)
3 -0.0008 - -0.0006	6 (75.0)	0 (0.0)	2 (25.0)
4 -0.0006 - -0.0004	10 (66.7)	2 (13.3)	3 (20.0)
5 -0.0004 - -0.0002	15 (48.4)	9 (29.0)	7 (22.6)
6 -0.0002 - 0.0001	251 (25.2)	345 (34.7)	399 (40.1)
7 0.0001 -	203 (49.9)	132 (32.4)	72 (17.7)