

APPENDIX

A-1. OD Table of Freight Flow in year 1997 (tons/year)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1 CONCEPCION	1,325,104	58,916	187,612	31,586	169,144	18,505	74,733	16,384	55,233	83,116	1,020,543	15,511	18,799	17,446	129,200	4,395	1 CONCEPCION
2 SAN PEDRO	2,333	567,684	155,466	50,016	62,426	1,715	16,130	10,094	10,991	74,704	499,276	1,647	9,483	5,403	73,249	459	2 SAN PEDRO
3 CORDILLERA	2,528	7,289	194,880	86,596	19,428	4,085	9,173	2,118	5,593	40,028	246,787	3,716	4,734	10,430	33,684	406	3 CORDILLERA
4 GUAIRA	1,069	9,363	240,130	622,512	20,026	4,412	13,972	2,325	5,843	11,533	511,353	3,123	2,671	5,146	150,306	82	4 GUAIRA
5 CAAZUAZU	12,207	42,173	157,965	128,968	637,966	12,293	34,936	7,639	23,785	43,399	624,797	4,008	2,927	3,037	93,973	4,455	5 CAAZUAZU
6 CAAZAPA	537	1,132	78,618	32,562	28,572	199,725	37,516	4,513	5,666	34,636	279,308	5,586	353	377	42,113		6 CAAZAPA
7 ITAPUA	4,345	8,406	10,923	20,270	9,158	7,133	983,134	8,381	30,961	48,933	548,494	16,587	3,483	3,350	5,258		7 ITAPUA
8 MISIONES	532	1,232	3,766	4,925	1,260	467	2,095	79,936	3,488	2,328	63,081	2,499	334	368	2,478	42	8 MISIONES
9 PARAGUARI	492	995	71,413	112,350	9,570	431	5,995	545	183,622	9,502	227,920	2,202	308	330	620	37	9 PARAGUARI
10 ALTO PARANA	7,314	12,876	16,424	28,215	46,084	5,685	94,632	12,228	9,670	1,032,175	679,837	3,496	3,549	4,771	2,097		10 ALTO PARANA
11 CENTRAL	384,145	724,578	489,777	439,061	877,766	303,021	888,774	202,237	552,501	1,187,079	2,905,870	177,497	233,221	251,041	114,227	27,893	11 CENTRAL
12 ÑEMBU'CU	748	1,431	1,005	535	1,333	539	2,079	492	5,271	2,603	60,245	46,433	477	522	7,124		12 ÑEMBU'CU
13 AMAMBAY	34,036	7,787	161,760	11,950	33,003	2,709	27,907	5,404	27,471	38,191	511,431	5,757	308,355	1,148	29,784		13 AMAMBAY
14 CANINDEYU	5,313	16,655	227,266	25,544	95,612	3,199	134,369	15,295	35,637	108,193	782,171	7,331	1,212	377,796	12,760		14 CANINDEYU
15 PTE. HAYES	42,847	55,907	44,978	49,799	68,310	22,733	73,871	15,559	32,781	95,482	97,625	14,555	21,915	21,940	109,649	3,078	15 PTE. HAYES
16 ALTO PARAGUAY	153		91	93	231			57	107		10,127				24	5,521	16 ALTO PARAGUAY
17 BOQUERON	416	619	243	246	606	236	690	148	295	921	35,930	148	225	218	92	34	17 BOQUERON
18 Route_1	838	3,044	12,379	2,944	5,742	1,498	17,333	2,084	3,717	22,356	1,181,328	392	3,974	4,787	56,587	58	18 Route_1
19 Route_2	41,844	46,649	25,919	23,364	68,029	20,775	55,349	12,406	27,730	257,008	42,263	11,953	7,994	25,296			19 Route_2
20 Route_3										772							20 Route_3
21 Route_4		1			1		1				1						21 Route_4
22 Route_5		272		7	616	261	55,577			4,158	143	78	388	1,194			22 Route_5
23 Route_6		14		1	33	14	645			221	15	8	20	63			23 Route_6
24 Route_7		1,696		3	3,808	1,624	30,921			25,895	58	32	2,293	7,436			24 Route_7
25 Route_8		3			8	3	396			53			5	15			25 Route_8
26 Route_9		4			9	4	39			60			21,339	17			26 Route_9
27 Route_10		98			221	94	975			1,500			133	4,895			27 Route_10
28 Route_11																	28 Route_11
29 Route_12	22,897	40,369	60,346	26,382	51,860	16,318	47,121	16,940	40,998	25,191	108,314	10,399	11,533	12,569	28,471	3,286	29 Route_12
30 Route_13	91	51	38	27	92	22	34	16	46		113	14	5	15		5	30 Route_13
31 Route_14																	31 Route_14
32 Route_15																	32 Route_15
33 Route_16																	33 Route_16
34 Route_17																	34 Route_17
35 Route_18																	35 Route_18
36 Brazil																	36 Brazil
37 Argentina																	37 Argentina
38 Uruguay																	38 Uruguay
39 Chile																	39 Chile
40 Bolivia																	40 Bolivia
41 M. & S. America																	41 M. & S. America
42 North-America																	42 North-America
43 Europe																	43 Europe
44 Asia/Oceania																	44 Asia/Oceania
45 Africa/Middle East																	45 Africa/Middle East