

**Anexo A6.2 Calendario de Amortizaciones(Proyecto-1)**

(MILES DE CORDOBAS)

ANO	PRESTAMO	AMORTIZACION	AMORTIZACION	AMORTIZACION
		AL INTERES	AL CAPITAL	TOTAL
1997	31,900.00	2,552		2,552
1998	45,102.00	6,160		6,160
1999	19,030.00	7,683		7,683
2000		7,683	2,845	10,528
2001		7,455	3,073	10,528
2002		7,209	3,319	10,528
2003		6,944	3,584	10,528
2004		6,657	3,871	10,528
2005		6,347	4,181	10,528
2006		6,013	4,515	10,528
2007		5,651	4,876	10,528
2008		5,261	5,267	10,528
2009		4,840	5,688	10,528
2010		4,385	6,143	10,528
2011		3,894	6,634	10,528
2012		3,363	7,165	10,528
2013		2,790	7,738	10,528
2014		2,171	8,357	10,528
2015		1,502	9,026	10,528
2016		780	9,748	10,528
2017				
2018				
2019				
<b>Total</b>	<b>96,032</b>	<b>99,338</b>	<b>96,032</b>	<b>195,370</b>

(TASA DE INTERES = 8%, PERIOD DE AMORTIZACION=20 ANOS,  
PERIODO DE GRACIA 3 ANOS)

**Anexo A6.2 Calendario de Amortizaciones(Proyecto-2)**

(MILES DE CORDOBAS)

ANO	PRESTAMO	AMORTIZACION AL INTERES	AMORTIZACION AL CAPITAL	AMORTIZACION TOTAL
1997	35,640.00	2,851		2,851
1998	49,941.00	6,846		6,846
1999	33,220.00	9,504		9,504
2000		9,504	3,520	13,024
2001		9,222	3,802	13,024
2002		8,918	4,106	13,024
2003		8,590	4,434	13,024
2004		8,235	4,789	13,024
2005		7,852	5,172	13,024
2006		7,438	5,586	13,024
2007		6,991	6,033	13,024
2008		6,509	6,515	13,024
2009		5,988	7,037	13,024
2010		5,425	7,599	13,024
2011		4,817	8,207	13,024
2012		4,160	8,864	13,024
2013		3,451	9,573	13,024
2014		2,685	10,339	13,024
2015		1,858	11,166	13,024
2016		965	12,059	13,024
2017				
2018				
2019				
<b>Total</b>	<b>118,801</b>	<b>121,810</b>	<b>118,801</b>	<b>240,611</b>

(TASA DE INTERES = 8%, PERIOD DE AMORTIZACION=20 ANOS,  
PERIODO DE GRACIA 3 ANOS)

**Anexo A6.2 Calendario de Amortizaciones(Proyecto-3)**

(MILES DE CORDOBAS)

ANO	PRESTAMO	AMORTIZACION	AMORTIZACION	AMORTIZACION
		AL INTERES	AL CAPITAL	TOTAL
1997	19,700.00	1,576		1,576
1998	53,921.00	5,890		5,890
1999	47,163.00	9,663		9,663
2000		9,663	3,579	13,241
2001		9,376	3,865	13,241
2002		9,067	4,174	13,241
2003		8,733	4,508	13,241
2004		8,373	4,869	13,241
2005		7,983	5,258	13,241
2006		7,562	5,679	13,241
2007		7,108	6,133	13,241
2008		6,617	6,624	13,241
2009		6,088	7,154	13,241
2010		5,515	7,726	13,241
2011		4,897	8,344	13,241
2012		4,230	9,012	13,241
2013		3,509	9,733	13,241
2014		2,730	10,512	13,241
2015		1,889	11,352	13,241
2016		981	12,261	13,241
2017				
2018				
2019				
<b>Total</b>	<b>120,784</b>	<b>121,450</b>	<b>120,784</b>	<b>242,234</b>

(TASA DE INTERES = 8%, PERIOD DE AMORTIZACION=20 ANOS,  
PERIODO DE GRACIA 3 ANOREPAYMENT SCHEDULE

**Anexo A6.2 Calendario de Amortizaciones(Proyecto-4)**

(MILES DE CORDOBAS)

ANO	PRESTAMO	AMORTIZACION AL INTERES	AMORTIZACION AL CAPITAL	AMORTIZACION TOTAL
1997	0.00	0		0
1998	0.00	0		0
1999	16,251.00	1,300		1,300
2000		1,300	482	1,782
2001		1,262	520	1,782
2002		1,220	562	1,782
2003		1,175	607	1,782
2004		1,127	655	1,782
2005		1,074	707	1,782
2006		1,017	764	1,782
2007		956	825	1,782
2008		890	891	1,782
2009		819	963	1,782
2010		742	1,040	1,782
2011		659	1,123	1,782
2012		569	1,213	1,782
2013		472	1,310	1,782
2014		367	1,414	1,782
2015		254	1,527	1,782
2016		132	1,650	1,782
2017				
2018				
2019				
<b>Total</b>	<b>16,251</b>	<b>15,336</b>	<b>16,251</b>	<b>31,587</b>

(TASA DE INTERES = 8%, PERIOD DE AMORTIZACION=20 ANOS.  
PERIODO DE GRACIA 3 ANOS)

**Anexo A6.2 Calendario de Amortizaciones(Proyecto-5)**

(MILES DE CORDOBAS)

ANO	PRESTAMO	AMORTIZACION AL INTERES	AMORTIZACION AL CAPITAL	AMORTIZACION TOTAL
1997	44,302.00	3,544		3,544
1998	111,966.00	12,501		12,501
1999	105,064.00	20,907		20,907
2000		20,907	7,743	28,650
2001		20,287	8,363	28,650
2002		19,618	9,032	28,650
2003		18,896	9,754	28,650
2004		18,115	10,534	28,650
2005		17,272	11,377	28,650
2006		16,362	12,287	28,650
2007		15,379	13,270	28,650
2008		14,318	14,332	28,650
2009		13,171	15,479	28,650
2010		11,933	16,717	28,650
2011		10,596	18,054	28,650
2012		9,151	19,498	28,650
2013		7,591	21,058	28,650
2014		5,907	22,743	28,650
2015		4,087	24,562	28,650
2016		2,122	26,527	28,650
2017				
2018				
2019				
<b>Total</b>	<b>261,332</b>	<b>262,665</b>	<b>261,332</b>	<b>523,997</b>

(TASA DE INTERES = 8%, PERIOD DE AMORTIZACION=20 ANOS,  
PERIODO DE GRACIA 3 ANOREPAYMENT SCHEDULE

**Anexo A6.2 Calendario de Amortizaciones(Proyecto-6)**

(MILES DE CORDOBAS)

ANO	PRESTAMO	AMORTIZACION	AMORTIZACION	AMORTIZACION
		AL INTERES	AL CAPITAL	TOTAL
1997	39,361.00	3,149		3,149
1998	115,314.00	12,374		12,374
1999	132,183.00	22,949		22,949
2000		22,949	8,499	31,448
2001		22,269	9,179	31,448
2002		21,534	9,914	31,448
2003		20,741	10,707	31,448
2004		19,885	11,563	31,448
2005		18,960	12,488	31,448
2006		17,961	13,488	31,448
2007		16,882	14,567	31,448
2008		15,716	15,732	31,448
2009		14,458	16,990	31,448
2010		13,098	18,350	31,448
2011		11,630	19,818	31,448
2012		10,045	21,403	31,448
2013		8,333	23,115	31,448
2014		6,484	24,964	31,448
2015		4,486	26,962	31,448
2016		2,329	29,119	31,448
2017				
2018				
2019				
<b>Total</b>	<b>286,858</b>	<b>286,231</b>	<b>286,858</b>	<b>573,089</b>

(TASA DE INTERES = 8%, PERIOD DE AMORTIZACION=20 ANOS,  
PERIODO DE GRACIA 3 ANOS)

**Anexo A6.2 Calendario de Amortizaciones(Proyecto~7)**

(MILES DE CORDOBAS)

ANO	PRESTAMO	AMORTIZACION AL INTERES	AMORTIZACION AL CAPITAL	AMORTIZACION TOTAL
1997	26,371.87	2,110		2,110
1998	77,260.38	8,291		8,291
1999	88,562.61	15,376		15,376
2000		15,376	5,695	21,070
2001		14,920	6,150	21,070
2002		14,428	6,642	21,070
2003		13,897	7,174	21,070
2004		13,323	7,747	21,070
2005		12,703	8,367	21,070
2006		12,034	9,037	21,070
2007		11,311	9,760	21,070
2008		10,530	10,540	21,070
2009		9,687	11,384	21,070
2010		8,776	12,294	21,070
2011		7,792	13,278	21,070
2012		6,730	14,340	21,070
2013		5,583	15,487	21,070
2014		4,344	16,726	21,070
2015		3,006	18,064	21,070
2016		1,561	19,509	21,070
2017				
2018				
2019				
<b>Total</b>	<b>192,195</b>	<b>191,775</b>	<b>192,195</b>	<b>383,970</b>

(TASA DE INTERES = 8%, PERIOD DE AMORTIZACION=20 ANOS,  
PERIODO DE GRACIA 3 ANOS)

**Anexo A6.3 Relación entre la Velocidad de Recorrido Vehicular  
y Consumo de Combustible**

(litros/km)

Velocidad (Km/hr)	Vehículos de pasajeros	Micro bus	Bus	Pick-up	Camión mediano	Camión pesado
5	0.451	0.483	0.527	0.408	0.463	0.519
10	0.393	0.433	0.503	0.374	0.433	0.492
15	0.340	0.400	0.463	0.335	0.400	0.483
20	0.302	0.355	0.428	0.307	0.356	0.404
25	0.277	0.329	0.397	0.252	0.329	0.376
30	0.255	0.307	0.372	0.291	0.307	0.352
35	0.236	0.286	0.351	0.243	0.286	0.325
40	0.219	0.268	0.329	0.228	0.268	0.308
45	0.207	0.254	0.313	0.215	0.254	0.293
50	0.198	0.244	0.299	0.208	0.244	0.280
55	0.190	0.238	0.281	0.202	0.236	0.273
60	0.186	0.234	0.285	0.203	0.234	0.268
65	0.182	0.238	0.281	0.205	0.236	0.268
70	0.179	0.241	0.298	0.208	0.241	0.276
75	0.177	0.251	0.307	0.216	0.251	0.280
80	0.175	0.262	0.318	0.225	0.288	0.298



## Anexo A6.4 Ahorro en el COV por Ahorro de Consumo de Combustible para Tramo en 2000 y 2010

Case 1-1 (Coateacoahuila)									
	km	Fuel Cons./km (without)		2000	2010	Fuel Cons./km (with)		2000	2010
		2000	2010			2000	2010		
PASSENGER CAR	13.6	0.2132	0.2350	6,539	10,967	0.1865	0.1987	1,627,152	3,194,937
MICRO BUS	13.6	0.2813	0.2840	368	368	0.2385	0.2430	83,388	160,650
BUS	13.6	0.3213	0.3487	918	1,472	0.2945	0.2977	187,128	581,376
PICK-UP	13.6	0.2222	0.2421	4,273	5,563	0.2065	0.2070	511,189	1,489,304
TRUCK	13.6	0.2819	0.2840	1,792	2,575	0.2385	0.2430	310,283	601,241
TRAILER	13.6	0.3008	0.3249	833	1,085	0.2715	0.2789	185,603	372,689
								Total	6,604,839

Case 1-2 (Coateacoahuila)									
	km	Fuel Cons./km (without)		2000	2010	Fuel Cons./km (with)		2000	2010
		2000	2010			2000	2010		
PASSENGER CAR	3.8	0.2132	0.2350	7,273	11,599	0.1605	0.1687	505,878	942,185
MICRO BUS	3.8	0.2813	0.2840	1,451	1,451	0.2385	0.2430	21,818	51,818
BUS	3.8	0.3213	0.3487	1,001	1,620	0.2945	0.2977	57,013	187,724
PICK-UP	3.8	0.2222	0.2421	4,998	6,148	0.2065	0.2070	164,058	457,750
TRUCK	3.8	0.2819	0.2840	2,185	3,013	0.2385	0.2430	104,738	291,957
TRAILER	3.8	0.3008	0.3249	683	1,089	0.2715	0.2789	54,843	106,377
								Total	1,987,810

Case 2 (Tlaxiaco-Huamantla)									
	km	Fuel Cons./km (without)		2000	2010	Fuel Cons./km (with)		2000	2010
		2000	2010			2000	2010		
PASSENGER CAR	4.3	0.2068	0.2277	2,218	3,184	0.1948	0.2058	69,051	181,118
MICRO BUS	4.3	0.2538	0.2762	219	270	0.2418	0.2524	6,315	15,418
BUS	4.3	0.3124	0.3398	481	837	0.2658	0.2703	18,434	45,470
PICK-UP	4.3	0.2157	0.2382	2,425	2,844	0.2058	0.2147	59,741	139,988
TRUCK	4.3	0.2538	0.2762	1,649	2,227	0.2418	0.2524	47,552	127,155
TRAILER	4.3	0.2928	0.3168	370	429	0.2772	0.2809	13,817	26,515
								Total	516,842

Case 3-1 (Ameyuc-Caterina)									
	km	Fuel Cons./km (without)		2000	2010	Fuel Cons./km (with)		2000	2010
		2000	2010			2000	2010		
PASSENGER CAR	8.6	0.2011	0.2123	1,504	3,104	0.185	0.1924	116,089	298,578
MICRO BUS	8.6	0.2474	0.2602	78	270	0.234	0.2398	4,695	26,420
BUS	8.6	0.3038	0.3200	305	897	0.285	0.2934	27,500	84,120
PICK-UP	8.6	0.2107	0.2213	1,044	2,844	0.202	0.2039	43,754	238,929
TRUCK	8.6	0.2474	0.2602	652	2,227	0.234	0.2398	54,871	217,919
TRAILER	8.6	0.2844	0.2998	412	429	0.285	0.2751	38,454	50,515
								Total	814,479

Case 3-2 (Caterina-Quenacaste)									
	km	Fuel Cons./km (without)		2000	2010	Fuel Cons./km (with)		2000	2010
		2000	2010			2000	2010		
PASSENGER CAR	9.3	0.2011	0.2123	882	1,841	0.185	0.1924	81,967	200,551
MICRO BUS	9.3	0.2474	0.2602	29	74	0.234	0.2398	2,020	7,831
BUS	9.3	0.3038	0.3200	128	251	0.285	0.2934	12,285	34,753
PICK-UP	9.3	0.2107	0.2213	618	1,099	0.202	0.2039	28,008	88,844
TRUCK	9.3	0.2474	0.2602	516	894	0.234	0.2398	35,937	83,543
TRAILER	9.3	0.2844	0.2998	263	347	0.285	0.2751	25,536	44,186
								Total	480,708

Case 3-3 (Quenacaste-Huamantla)									
	km	Fuel Cons./km (without)		2000	2010	Fuel Cons./km (with)		2000	2010
		2000	2010			2000	2010		
PASSENGER CAR	9.3	0.2011	0.2123	1,010	1,701	0.185	0.1924	84,304	178,373
MICRO BUS	9.3	0.2474	0.2602	29	38	0.234	0.2398	1,411	4,021
BUS	9.3	0.3038	0.3200	128	202	0.285	0.2934	12,285	27,968
PICK-UP	9.3	0.2107	0.2213	832	681	0.202	0.2039	28,643	78,222
TRUCK	9.3	0.2474	0.2602	523	790	0.234	0.2398	38,424	83,598
TRAILER	9.3	0.2844	0.2998	250	300	0.285	0.2751	25,233	33,347
								Total	408,527

Case 3-4 (Coateacoahuila-Tlaxiapa)									
	km	Fuel Cons./km (without)		2000	2010	Fuel Cons./km (with)		2000	2010
		2000	2010			2000	2010		
PASSENGER CAR	21.9	0.2011	0.2123	609	734	0.185	0.1924	119,703	178,589
MICRO BUS	21.9	0.2474	0.2602	90	85	0.234	0.2398	13,120	21,181
BUS	21.9	0.3038	0.3200	48	83	0.285	0.2934	11,021	27,082
PICK-UP	21.9	0.2107	0.2213	544	895	0.202	0.2039	58,858	138,850
TRUCK	21.9	0.2474	0.2602	378	438	0.234	0.2398	61,129	109,143
TRAILER	21.9	0.2844	0.2998	29	50	0.285	0.2751	5,487	14,093
								Total	488,817

Case 3-5 (Tlaxiapa-San Benito)									
	km	Fuel Cons./km (without)		2000	2010	Fuel Cons./km (with)		2000	2010
		2000	2010			2000	2010		
PASSENGER CAR	18.0	0.2011	0.2123	1,095	1,851	0.185	0.1924	157,246	329,035
MICRO BUS	18.0	0.2474	0.2602	96	130	0.234	0.2398	11,603	25,123
BUS	18.0	0.3038	0.3200	348	562	0.285	0.2934	58,543	133,872
PICK-UP	18.0	0.2107	0.2213	1,843	2,551	0.202	0.2039	161,498	398,723
TRUCK	18.0	0.2474	0.2602	1,528	2,229	0.234	0.2398	182,843	405,795
TRAILER	18.0	0.2844	0.2998	323	499	0.285	0.2751	54,088	88,800
								Total	1,382,148

Case 4 (Total)									
	km	Fuel Cons./km (without)		2000	2010	Fuel Cons./km (with)		2000	2010
		2000	2010			2000	2010		
PASSENGER CAR	95.8	0.1880	0.2085	147	262	0.1850	0.1850	102,312	301,020
MICRO BUS	95.8	0.2440	0.2534	19	26	0.2340	0.2340	10,172	26,388
BUS	95.8	0.2990	0.3122	81	130	0.2850	0.2850	80,712	188,053
PICK-UP	95.8	0.2080	0.2185	287	375	0.2020	0.2020	85,788	271,498
TRUCK	95.8	0.2440	0.2534	150	241	0.2340	0.2340	80,307	250,313
TRAILER	95.8	0.2800	0.2922	34	40	0.2850	0.2850	27,506	58,203
								Total	1,098,034

**Anexo A6.5 Ahorro en el COV a través del Ahorro de Costo Fijo  
en 2000 y 2010**

	VEHICULO DE PASAJERO	MICROBUS	BUS	PICK-UP	CAMIONETA	REMORQUE	AHORRO EN EL COSTO FIJO TOTAL
	TOYOTA EL40L-AEMDS	TOYOTA BB42L-BRMRS	TOYOTA BLUE BIRD	TOYOTA YN85L-PRMRS	TOYOTA DA116L-H3	GM CC7H042	
COSTO FIJO / HORA	0.00	13.41	21.87	10.30	17.84	18.16	
<b>AHORRO EN EL TIEMPO EN 2000</b>							
PROYECTO-1	1,226,400	53,290	95,630	536,185	188,340	55,480	
PROYECTO-2	1,349,770	57,670	104,390	588,015	203,670	58,400	
PROYECTO-3	548,960	36,135	82,855	408,800	207,320	72,270	
PROYECTO-4	36,865	4,745	7,665	44,165	33,945	6,935	
PROYECTO-5	512,460	32,485	89,060	453,330	275,940	38,330	
PROYECTO-6	88,695	730	51,465	152,935	81,395	13,505	
PROYECTO-7	88,695	730	51,465	152,935	81,395	13,505	
<b>AHORRO EN EL TIEMPO EN 2010</b>							
PROYECTO-1	1,757,110	77,745	123,005	676,345	303,315	86,140	
PROYECTO-2	1,972,095	84,315	136,875	743,870	325,945	89,790	
PROYECTO-3	1,366,195	80,665	189,070	751,900	418,290	129,210	
PROYECTO-4	41,975	5,475	10,585	45,260	33,945	5,110	
PROYECTO-5	1,089,890	62,050	178,485	740,950	506,620	136,510	
PROYECTO-6	156,585	17,155	81,760	220,825	133,955	16,425	
PROYECTO-7	156,585	17,155	81,760	220,825	133,955	16,425	
<b>AHORRO DE COSTO FIJO EN 2000</b>							
PROYECTO-1	0	714,619	2,091,428	5,522,706	3,359,986	1,007,517	12,696,255
PROYECTO-2	0	773,355	2,283,009	6,056,555	3,633,473	1,060,544	13,806,935
PROYECTO-3	0	484,570	1,812,039	4,210,640	3,698,589	1,312,423	11,518,261
PROYECTO-4	0	63,630	167,634	454,900	605,579	125,940	1,417,682
PROYECTO-5	0	435,624	1,947,742	4,669,299	4,922,770	1,604,073	13,579,507
PROYECTO-6	0	9,789	1,125,540	1,575,231	1,452,087	245,251	4,407,897
PROYECTO-7	0	9,789	1,125,540	1,575,231	1,452,087	245,251	4,407,897
<b>AHORRO DE COSTO FIJO EN 2010</b>							
PROYECTO-1	0	1,042,560	2,690,119	6,966,354	5,411,140	1,564,302	17,674,475
PROYECTO-2	0	1,130,664	2,993,456	7,661,861	5,814,859	1,630,586	19,231,427
PROYECTO-3	0	1,081,718	4,134,961	7,744,570	7,462,294	2,346,454	22,769,996
PROYECTO-4	0	73,420	231,494	466,178	605,579	92,798	1,469,468
PROYECTO-5	0	832,091	3,903,467	7,631,785	9,038,101	2,479,022	23,884,465
PROYECTO-6	0	230,049	1,788,091	2,274,498	2,389,757	298,278	6,980,672
PROYECTO-7	0	230,049	1,788,091	2,274,498	2,389,757	298,278	6,980,672

## Anexo A6.6 Población Económicamente Activa Ocupada según Actividad Económica

(MILES)

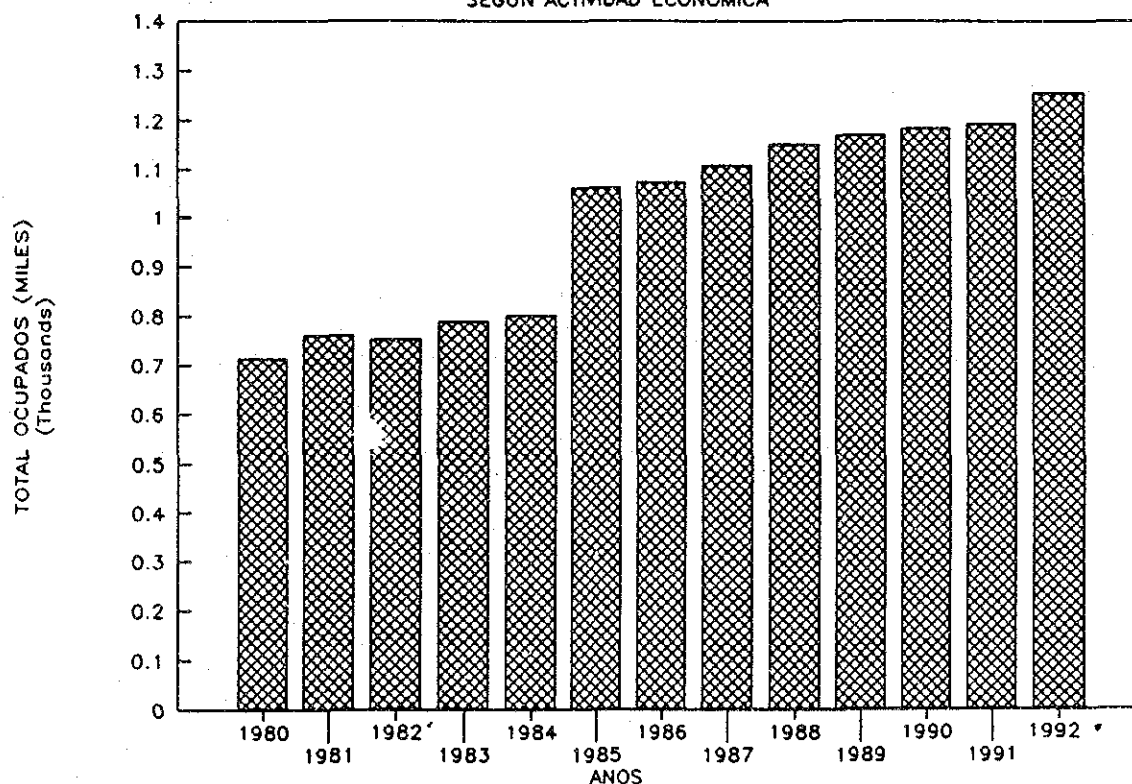
ACTIVIDAD ECONOMICA	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992 *
Agricultura, Silvicultura, Casa y pesca	275.5	295.5	281.4	301.6	304.1	375.5	373.0	392.6	385.1	387.5	400.1	415.4	453.6
Industria Manufacturera	97.0	99.7	85.8	89.7	89.9	162.5	166.0	169.8	178.0	188.7	188.7	188.2	192.0
Explotación de Minas y Canteras	5.2	4.9	3.5	3.9	3.0	8.4	8.6	8.8	9.0	9.6	9.6	9.0	9.0
Electricidad, gas y agua	5.6	5.9	6.4	6.6	6.7	9.3	9.8	10.0	10.6	10.3	10.3	10.3	10.7
Construcción	14.5	15.9	14.0	15.2	15.6	35.3	36.1	36.9	37.9	31.2	31.2	30.2	39.3
Comercio	110.0	117.3	102.1	103.1	101.0	155.5	158.8	165.8	173.4	182.3	182.3	195.5	203.7
Transporte, Almacenamiento y Comunicaciones	24.0	25.6	27.7	28.2	27.2	36.8	37.7	38.5	41.9	42.6	42.6	42.6	44.4
Establecimiento financiero y seguros	7.9	8.5	8.8	9.1	13.9	22.1	22.6	23.0	25.2	24.7	24.7	24.7	24.7
Servicios Comunes y Sociales	126.1	132.7	164.4	166.9	165.4	179.3	183.1	193.4	214.8	221.6	221.6	182.7	186.5
Gobierno Central	47.5	54.2	58.3	64.8	74.8	76.0	77.0	78.0	75.5	71.3	72.3	93.5	91.1
<b>TOTAL OCUPADOS</b>	<b>713.3</b>	<b>760.2</b>	<b>752.4</b>	<b>789.1</b>	<b>801.6</b>	<b>1,060.7</b>	<b>1,072.7</b>	<b>1,106.8</b>	<b>1,151.4</b>	<b>1,169.8</b>	<b>1,183.4</b>	<b>1,192.1</b>	<b>1,255.0</b>

\* PRELIMINAR

FUENTE: SPP - DGNV (1980-1984) y MITRAB (1985-1992)

### POBLACION ECONOMICAMENTE ACTIVA

SEGUN ACTIVIDAD ECONOMICA



## Anexo A6.7 Factor de Corrección

1. Importad(general)

$$(0.7 \times \frac{1}{1.26} + 0.3 \times \frac{1}{1.1}) = 0.82832 \text{ (F)}$$

2. Costo de Construcción(Local)

$$\frac{1}{1.04 \times 1.15} = 0.83612 \text{ (C/L)}$$

3. Costo de Construcción(Importad)

$$\frac{1}{1.04 \times 1.15} \times \text{(F)} = 0.69258 \text{ (C/F)}$$

4. Costo de Ingeniería(Local)

$$\frac{1}{1.04 \times 1.1} = 0.87413 \text{ (E/L)}$$

5. Costo de Ingeniería(Importad)

$$\frac{1}{1.04 \times 1.1} \times \text{(F)} = 0.72406 \text{ (E/L)}$$

6. Costo de Recapamiento (Impordad 55 %, Local 45 %)

$$0.45 \times 0.83612(\text{C/L}) + 0.55 \times 0.69258(\text{C/F}) = 0.75713$$

## Anexo A6.8 Programa de Inversiones Públicas para Carreteras, 1993

(miles de córdobas)

Codigo	Proyecto	Recurso interno		Recurso externo		Total
		Rec.Pro.	Rec.Presp.	Donación	Prestamo	
1-MCT-004-92	Revestimiento de Carreteras					
	- Tramo Telica-Malpaisillo		1,245.0			1,245.0
	- Tramo Mateare-Limite Deptal.		1,245.0			1,245.0
	- Tramo Granada-Guanacaste		1,855.0			1,855.0
	- Tramo Diriomo-Guanacaste		880.0			880.0
	- Tramo La Virgen-Sapoa		2,255.0			2,255.0
	- Tramo Musife de los Bueyes-El Rama		3,235.0			3,235.0
	- Tramo El Jicaral-San Isidro		1,285.0			1,285.0
1-MCT-007-91	Rehabilitación Carret. Nejapa-Izapa		3,708.0		28,007.0	31,715.0
1-MCT-010-92	Proyecto REMECAR		1,000.0			1,000.0
1-MCT-060-93	Rehabilitación Carret. Boaco-Muy Muy		4,120.0			4,120.0
1-MCT-064-93	Reconstruc. Carret. Matagalpa-Sta. Emilia		4,185.0			4,185.0
1-MCT-071-93	Rehabilitación Carret. Mosonte-San Fernando		2,090.0			2,090.0
1-MCT-091-93	Rehabilitación Carret. San Benito-El Rama				7,800.0	7,800.0
TOTAL			27,103.0	7,800.0	28,007.0	62,910.0

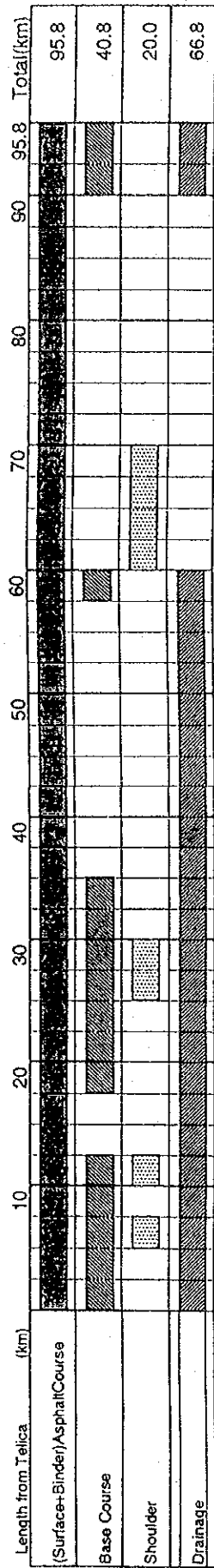
Rec.: Dirección General de Inversiones Públicas

## Anexo A6.9 Resumen, Programa de Inversiones Públicas, 1993

(miles de córdobas)

Institución	Recurso Interno		Recurso Externo		Total	(% )
	Rec.Pro.	Rec.Prepup.	Donación	Prestamo		
1. Gobierno central	6,238.9	194,668.8	320,234.4	62,697.6	583,837.7	48.31
- MCT		70,422.0	75,720.0	25,611.6	171,753.6	14.21
- Otros ministerios	6,238.9	124,244.8	244,514.4	37,086.0	412,084.1	34.10
2. Entes autonomos	134,477.8	6,889.4	109,520.6	281,980.8	532,868.6	44.09
3. Otros		14,684.8	13,369.4	63,840.0	91,894.2	7.60
4. Total	140,716.7	216,241.0	443,124.4	408,518.4	1,208,600.5	100.00

**Anexo A6.10 Trabajo de Construcción sobre Proyecto-7 (Telica - San Isidro)**





JICA