

GOVERNMENT OF PAKISTAN
MINISTRY OF COMMUNICATIONS
NATIONAL HIGHWAYS BOARD

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INDUS HIGHWAY

TECHNICAL AND ECONOMIC FEASIBILITY STUDY

(FINAL REPORT)

ANNEXURES

December, 1988

National Transport Research Centre
Planning Commission
Islamabad

APPENDIX CHAPTER II COUNTRY BACKGROUND

Appendix II-A	Projected Population by Age and Sex in 5 Year Interval 1981-2006.	1
Appendix II-B	Distribution of Employed persons of 10 years of age and above by Industry Group.	2
Appendix II-C	Literacy Ratios 1981	3
Appendix II-D	Urban Rural Population	3
Appendix II-E	National Income and Expenditure, 1986-87	4
Appendix II-F	Value Added in GDP 1986-87	4
Appendix II-G	Composition of GDP	5
Appendix II-H	Gross National Product	6
Appendix II-I	Summary of Budget Estimates for 1986-87	8
Appendix II-J	Sources of Public Revenues	8
Appendix II-K	Public Expenditure 1986-87	9
Appendix II-L	Merchandise Trade	10
Appendix II-M	Major Imports 1985-86	10

APPENDIX CHAPTER III TRANSPORT SYSTEM

Appendix III-A	Rolling Stock of Pakistan Railways 1985-86	11
Appendix III-B	Summary of Railway Operations	11
Appendix III-C	Railway Finances	12
Appendix III-D	Renewal of Rail and Sleepers	13
Appendix III-E	Overage Rail and Sleepers as on 30-6-88	13
Appendix III-F	Road Length under Highway Department	14
Appendix III-G	Road Length under District Councils	15
Appendix III-H	Road Length under Municipal Committee	15
Appendix III-I	Length of Road by type of Agency, 1985	16
Appendix III-J	Length of National Highways by Province 1986	16
Appendix III-K	Classification of Metalled Roads by Width	17

Appendix III-L	Number of Vehicles on Road	17
Appendix III-M	Production and Sale of Vehicles	18
Appendix III-N	Import of Vehicles	19
Appendix III-O	International Comparison - No. of 4 Wheel Vehicles per 1000 persons.	20
Appendix III-P	Berth Facilities at Port Karachi	21
Appendix III-Q	Storage Facilities at Port Karachi	21
Appendix III-R	Channel at Port Karachi	22
Appendix III-S	Container Cargo	23
Appendix III-T	Pakistan Merchant Fleet	24
Appendix III-U	Pakistan Passenger Vessel Fleet	26
Appendix III-V	Airports in Pakistan	27
Appendix III-W	Expenditure on Roads	29
Appendix III-X	Physical Targets and Achievements of Sixth Plan	29
Appendix III-Y	Financial Targets and Achievements of Sixth Plan	30
Appendix III-Z	Physical Targets and Achievements of the Sixth Plan	30

APPENDIX CHAPTER VI TRAFFIC SURVEYS

Appendix VI-A	Classified Traffic Count at 19 survey stations	31
Appendix VI-B	Travel Speed Surveys	50
Appendix VI-C	Traffic Volume	69
Appendix VI-D	Classified Traffic Count Survey Form	107
Appendix VI-E	Travel Speed Survey Form	108
Appendix VI-F	O-D Survey Form	109
Appendix VI-G	District and Code Number	110
Appendix VI-H	Commodity Codes used for O-D Survey	113

APPENDIX CHAPTER VII TRAFFIC DISTRIBUTION

Appendix VII-A	Traffic between zone pairs observed at various survey stations.	116
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ANNEXURES TO CHAPTER II

COUNTRY BACKGROUND

Appendix II-A

Projected Population by Age and Sex in 5 Year Interval 1981-2006 Assuming Decline IF TFS (6.97, 6.57, 6.02, 5.32, 4.47, In 1981-86, 86-91, 91-96, 96-2001 and 2001-06) and Decline in Mortality in Terms of Life Expectancy with Increment of 0.4 and 0.5 years for Males and Females respectively

AGE	1981			1986			1991			1996			2001			2006		
	M	F	BS	M	F	BS	M	F	BS	M	F	BS	M	F	BS	M	F	BS
0-4	7821	7060	14907	9124	8623	17747	9767	10011	20078	11310	10733	22043	11925	11335	23260	11947	11329	23276
5-9	6552	5936	12488	7454	6690	14144	9213	8755	16968	9958	9379	19337	10989	10367	21376	11647	11023	22670
10-14	5517	4994	10515	6476	5852	12328	6011	7379	13990	8681	8134	16815	9888	9308	19196	10924	10321	21245
15-19	4637	4201	8838	5457	4933	10390	5787	6414	12201	7318	6550	13868	8619	8073	16692	9827	9249	19076
20-24	3828	3466	7296	4561	4127	8686	4859	5378	10237	6334	5714	12048	7240	6482	13722	8541	8001	16542
25-29	3166	2866	6034	3752	3395	7147	4053	4481	8534	5297	4785	10082	6252	5642	11894	7161	6410	13571
30-34	2621	2375	4996	3090	2803	5893	3328	3675	7003	4406	3985	8391	5220	4717	9937	6174	5572	11746
35-39	2185	1985	4165	2557	2316	4873	2742	3022	5764	3603	3266	6869	4330	3922	8252	5141	4651	9792
40-44	1860	1685	3545	2120	1925	4045	2259	2486	4747	2946	2683	5631	3524	3205	6729	4246	3856	8102
45-49	1570	1422	2992	1788	1631	3419	1870	2044	3914	2406	2201	4607	2860	2622	5482	3429	3138	6567
50-54	1345	1219	2564	1487	1364	2851	1570	1700	3270	1950	1807	3757	2304	2134	4438	2747	2547	5294
55-59	1165	1056	2221	1245	1150	2395	1293	1383	2676	1588	1495	3083	1829	1729	3558	2170	2047	4217
60-64	950	861	1811	1040	966	2006	1059	1116	2177	1250	1199	2449	1443	1396	2839	1671	1621	3292
65-69	770	696	1466	800	744	1544	844	884	1728	958	935	1893	1080	1070	2150	1256	1253	2509
70+	672	609	1261	1049	925	1974	1251	1406	2667	1888	1756	3642	2368	2283	4651	2894	2865	5759
Total	44659	40462	85121	52000	47444	99444	55506	60439	115944	69893	64622	134515	79871	74305	154176	89775	83893	173659

App. II-C
Literacy Ratios 1981

(Percentage)			
Area/Year	Total	Male	Female
1	2	3	4
<u>Pakistan</u>	<u>26.2</u>	<u>35.1</u>	<u>16.0</u>
Urban	47.1	55.3	37.3
Rural	17.3	26.2	7.3
<u>Punjab</u>	<u>27.4</u>	<u>36.8</u>	<u>16.8</u>
Urban	46.7	55.2	36.7
Rural	20.0	29.6	9.4
<u>Sind</u>	<u>31.5</u>	<u>39.7</u>	<u>21.6</u>
Urban	50.8	57.8	42.2
Rural	15.6	24.5	5.2
<u>NWFP</u>	<u>16.7</u>	<u>25.9</u>	<u>6.5</u>
Urban	35.8	47.0	21.9
Rural	13.2	21.7	3.8
<u>Baluchistan</u>	<u>10.3</u>	<u>15.2</u>	<u>4.3</u>
Urban	32.2	42.4	18.5
Rural	6.2	9.8	1.8

App. II-D
Urban Rural Population

PROVINCE	URBAN/ RURAL	1951		1961		1972		1981		INT-CENS. GROWTH RATES % P.A.			
		NO.	%	NO.	%	NO.	%	NO.	%	1951-61	1961-72	1972-81	1961-82
1	2	3	4	5	6	7	8	9	10	11	12	13	14
PAKISTAN	URBAN	6019	19.3	9654	22.5	16594	25.4	23840	28.3	4.98	4.76	4.38	4.60
	RURAL	25204	80.7	33226	77.5	48715	74.6	60413	71.7	2.82	3.34	2.58	3.02
PUNJAB	URBAN	3598	17.4	5476	21.5	9183	24.4	13051	27.6	4.32	4.54	4.24	4.41
	RURAL	17053	82.6	19986	78.5	28427	75.6	34241	72.4	1.61	3.07	2.22	2.71
SIND	URBAN	1774	28.6	3167	37.9	5726	40.4	8243	43.3	6.01	5.21	4.40	4.87
	RURAL	4437	71.4	5200	62.1	8430	59.6	10786	56.7	1.61	4.23	2.96	3.69
NWFP	URBAN	597	15.2	758	13.2	1196	14.3	1665	15.1	2.44	3.99	3.99	3.99
	RURAL	2836	84.8	4973	86.8	7193	85.7	9396	84.9	5.82	3.22	3.21	3.21
BALUCH	URBAN	140	13.8	225	16.9	399	16.4	677	15.6	5.04	4.92	6.45	5.56
	RURAL	878	86.2	1125	83.1	2029	83.6	3655	84.4	2.53	5.19	7.21	6.03

Source: Economic Survey 1986-87 Table 2.4.

4
App: II-E
National Income and Expenditure, 1986-87

S.No.	Source	Amount	
		Billion Rs.	% of Total
1	2	3	4
<u>INCOME</u>			
1.	GDP at factor cost	537.28	84.3
2.	i) + Indirect Taxes	78.66	12.3
	ii) - Less Subsidies	13.74	2.2
3.	GDP at market prices	602.22	94.5
4.	Net Factor Income from abroad	35.87	5.6
5.	GNP at market prices	638.06	100.1
6.	Imports (g&nsf)	114.49	18.0
7.	Exports (g&nsf)	79.31	12.4
8.	Total (5+6 - 7-4)	637.37	100.0
<u>EXPENDITURE</u>			
9.	Total investment	103.86	16.3
10.	Fixed Investment	94.36	15.1
	i) Private investment	(37.79)	5.9
	ii) Public	(56.57)	(8.9)
11.	Changes in stocks	9.50	1.5
12.	Consumption	533.51	83.7
	i) Private	(457.27)	(71.7)
	i) Public	(76.24)	(12.0)
13.	Gross National Savings	104.58	16.4
14.	Gross Domestic Savings	68.68	10.8

App. II-F
Value Added in GDP 1986-87

S.No.	Sector	Amount	
		Billion Rs.	% of Total
1	2	3	4
1.	Agriculture	127.473	23.73
2.	Mining and Quarrying	12.616	2.35
3.	Manufacturing	95.079	17.70
4.	Construction	35.261	6.56
5.	Electricity, Gas Distn.	12.385	2.31
6.	Transport, Storage and Communications.	44.125	8.21
7.	Trade wholesale & retail	89.420	16.64
8.	Banking, Insurance	16.004	2.98
9.	Ownership of Dwellings	14.609	2.72
10.	Public Admn and Defence	47.681	8.87
11.	Services	42.622	7.93
Total GDP at factor cost		537.275	100.00

Source: Economic Survey 1986-87 Appendix Table 2.3

App. II-G
Composition of GDP
 (Percentage Share).

S.No.	Sector	1949-50	1959-60	1969-70	1979-80	1986-87
1	2	3	4	5	6	7
1.	Agriculture	53.19	45.83	38.89	30.54	25.54
2.	Manufacturing and Mining	7.97	12.41	16.53	17.60	20.55
3.	Construction	1.44	2.54	4.20	5.10	5.72
4.	Electricity & Gas	0.22	0.52	1.98	2.95	3.63
5.	Services	37.18	38.70	38.40	43.81	44.56

Source: Economic Survey 1986-87 (P.32).

Appendix II-H
GROSS NATIONAL PRODUCT
(AT CURRENT FACTOR COST)

(Rs. million)

Year	Agriculture							Manufacturing			Construc- tion	Electri- city & Gas Dis- tribution Services	Transport Storage & Communi- cation
	Total	Major Crops	Minor Crops	Livestock	Fishing	Forestry	Mining & Quarrying	Total	Large Scale	Small Scale			
1959-60	7,711	3,882	893	2,837	71	28	70	2,018	1,159	859	427	87	952
1960-61	8,184	4,111	900	3,064	79	30	83	2,278	1,383	895	607	102	1,098
1961-62	8,216	4,079	911	3,110	83	33	89	2,617	1,688	929	602	105	1,115
1962-63	8,565	4,361	864	3,203	98	39	102	3,025	2,043	982	739	127	1,200
1963-64	9,499	4,955	1,150	3,238	116	40	119	3,409	2,390	1,019	960	157	1,285
1964-65	10,438	5,720	1,346	3,199	127	46	140	3,766	2,704	1,062	1,103	200	1,850
1965-66	10,572	5,669	1,448	3,254	138	63	152	4,301	3,151	1,150	1,216	229	2,009
1966-67	12,460	6,604	1,943	3,688	151	74	158	4,719	3,490	1,229	1,216	269	2,325
1967-68	13,994	7,329	2,159	4,256	159	91	165	5,219	3,905	1,314	1,262	291	2,524
1968-69	14,038	7,466	1,709	4,615	148	100	181	6,046	4,604	1,442	1,709	309	2,705
1969-70	15,964	9,103	1,999	4,547	233	82	229	6,965	5,429	1,536	1,822	661	2,943
1970-71	16,236	8,832	2,244	4,794	261	105	243	7,723	6,005	1,718	1,979	782	3,017
1971-72	17,934	10,067	2,408	5,053	295	111	268	8,030	6,138	1,892	1,763	823	3,257
1972-73	21,907	12,346	2,833	6,169	379	180	386	9,963	7,647	2,316	2,298	955	4,288
1973-74	28,084	15,331	3,777	8,247	476	253	560	13,603	10,413	3,190	3,114	1,217	5,595
1974-75	33,533	18,268	5,003	9,629	383	250	793	15,891	11,912	3,979	4,996	1,264	7,414
1975-76	38,338	20,572	6,030	11,130	447	159	968	17,812	13,094	4,718	6,739	1,713	8,349
1976-77	43,968	22,440	7,205	13,356	675	292	1,281	20,389	14,695	5,694	7,513	1,916	9,268
1977-78	50,567	26,738	8,182	14,272	964	411	1,317	24,023	17,381	6,642	8,674	2,448	11,282
1978-79	54,147	29,157	8,658	14,822	1,065	445	1,464	27,484	19,806	7,678	9,667	3,397	13,181
1979-80	62,164	34,081	9,912	16,668	1,017	486	2,239	33,553	24,274	9,279	11,906	4,789	15,486
1980-81	71,699	40,354	11,203	18,090	1,523	529	3,149	40,969	29,791	11,178	11,449	5,928	19,370
1981-82	83,426	47,100	13,130	20,761	2,044	391	3,578	48,419	35,740	12,679	12,247	6,436	22,937
1982-83	90,715	50,364	13,660	23,846	2,493	352	4,199	55,201	40,465	14,736	14,567	7,274	25,704
1983-84	92,165	46,040	15,653	27,450	2,681	341	5,086	67,475	49,254	18,221	19,325	8,610	30,659
1984-85	108,734	55,402	17,623	32,132	3,023	554	6,672	75,173	54,723	20,450	20,397	8,738	34,427
1985-86	119,168	60,665	18,734	35,590	3,526	653	11,610	83,460	60,515	22,945	22,929	10,539	36,391

(Contd.)

GROSS NATIONAL PRODUCT
(AT CURRENT FACTOR COST)

(... Contd.)

(Rs. million)

Year	Whole Sale & Retail Trade	Banking & Insurance	Ownership of Dwellings	Public Administration & Defence	Services	GDP (fc)	Net Factor Income from abroad	GNP (fc)	Population (In million)	Per Capita Gross Income (Rs.)	Indirect Taxes	Subsidies	GDP (mp)
1959-60	2,105	160	837	1,048	1,411	16,826	- 23	16,803	45.03	373	1,039	11	17,854
1960-61	2,320	186	875	1,111	1,505	18,349	- 26	18,323	46.20	397	1,293	30	19,612
1961-62	2,505	206	924	1,160	1,600	19,139	- 27	19,112	47.53	402	1,438	52	20,525
1962-63	2,706	226	953	1,208	1,640	20,489	- 49	20,440	48.90	418	1,625	62	22,052
1963-64	3,159	257	1,000	1,344	1,756	22,945	- 35	22,910	50.31	456	1,890	49	24,786
1964-65	3,690	348	1,083	1,653	1,926	26,202	- 55	26,147	51.76	505	2,250	217	28,235
1965-66	4,100	398	1,187	2,687	2,118	28,969	- 50	28,919	53.26	543	2,520	245	31,244
1966-67	4,786	490	1,340	2,464	2,395	32,622	- 48	32,574	54.79	594	3,154	230	35,546
1967-68	5,116	557	1,403	2,483	2,528	35,542	- 23	35,519	56.37	630	2,971	217	38,656
1968-69	5,538	625	1,516	2,645	2,673	37,985	- 30	37,955	58.00	544	3,586	222	41,349
1969-70	6,475	771	1,614	2,769	3,134	43,347	3	43,350	59.70	726	4,636	232	47,751
1970-71	6,954	882	1,752	2,963	3,475	46,006	- 82	45,924	61.49	747	4,978	193	50,791
1971-72	7,489	968	1,913	3,446	3,894	49,784	99	49,883	63.34	788	5,117	228	54,673
1972-73	8,926	1,408	2,237	4,430	4,636	61,414	463	61,877	65.89	939	6,600	522	67,492
1973-74	12,735	1,801	2,868	5,750	6,363	81,690	617	82,307	67.90	1,212	9,486	3,074	88,102
1974-75	16,661	2,612	3,766	8,113	8,514	103,557	1,147	104,704	69.98	1,496	11,560	3,934	111,183
1975-76	18,865	3,021	4,356	9,490	10,085	119,736	2,992	122,728	72.12	1,702	13,642	3,014	130,364
1976-77	21,051	3,573	5,043	10,371	11,609	135,982	5,480	141,462	74.33	1,903	15,650	1,884	149,748
1977-78	24,983	4,273	5,631	13,155	13,572	159,925	12,139	172,064	76.60	2,246	19,604	3,110	176,419
1978-79	28,381	4,931	6,221	13,859	15,306	178,038	14,533	192,571	78.94	2,439	24,058	6,987	195,109
1979-80	33,759	5,356	7,137	16,263	17,950	210,602	18,284	228,886	81.36	2,813	30,333	6,407	234,523
1980-81	40,592	5,549	8,309	19,257	21,325	247,596	22,692	270,288	83.84	3,224	35,562	5,197	277,961
1981-82	49,738	7,311	9,506	21,466	24,770	289,834	25,349	315,183	86.44	3,646	37,440	5,434	321,840
1982-83	55,031	9,383	10,258	26,467	27,391	326,190	39,395	365,585	89.12	4,102	43,487	7,512	362,165
1983-84	61,559	12,079	11,442	33,133	31,215	372,748	39,595	412,343	91.88	4,488	53,557	8,104	418,201
1984-85	72,470	13,414	12,577	37,259	35,004	424,865	38,311	463,176	94.73	4,889	55,796	10,750	469,911
1985-86	82,013	15,500	13,709	42,356	38,674	479,049	42,927	521,976	97.67	5,344	60,988	12,245	527,792

(Contd.)

Appendix II-I
Summary of Budget Estimates for 1986-87

S. No.	Item	Federal	Provincial	Total
1	2	3	4	5
1.	<u>Revenue Receipts</u>			
	i) Tax Receipts	63.5	3.2	66.7
	ii) Non Tax Receipts	34.9	1.8	36.7
		<u>98.4</u>	<u>5.0</u>	<u>103.4</u>
2.	<u>Expenditure</u>			
	i) Current Expenditure	84.8	24.7	109.5
	ii) Development Expdtd.	32.2	12.0	44.2
		<u>117.0</u>	<u>36.7</u>	<u>153.7</u>
3.	Overall Deficit	37.1	9.5	50.3
4.	Deficit met by:			
	i) Surplus of			
	Autonomous Bodies	..	..	3.7
	ii) External borrowing (Net)	..	..	15.3
	iii) Domestic borrowing	..	..	26.5
	iv) Domestic Banking system	..	..	4.8
				<u>50.3</u>

App. II-J
Sources of Public Revenues

S. No.	Sources	Amount (Billion Rs.)	% of Total
1	2	3	4
<u>A. Tax Receipts</u>			
1.	Income and Corporate Tax	11,031	10.7
2.	Property Tax	620	0.6
3.	Excise duty	16,788	16.2
4.	Sales Tax	5,705	5.5
5.	Export Import Duties	29,934	29.0
6.	Other Taxes	2,577	2.5
	Sub-Total: I	<u>66,655</u>	<u>64.5</u>
<u>B. Non Tax Receipts</u>			
7.	Interest and Divided	7,878	7.6
8.	Trading profits	139	0.1
9.	Post Office & T&T	4,560	4.4
10.	Civil Admn	4,520	4.4
11.	Other	19,622	19.0
	Sub-Total: II	<u>36,719</u>	<u>35.5</u>
	Grand Total:	<u>103,374</u>	<u>100.0</u>
<u>Of Which:</u>			
12.	i) Direct Taxes	11,651	11.3
	ii) Indirect Taxes	91,723	88.7
13.	i) Federal Taxes	98,438	95.2
	ii) Provincial Taxe	4,936	4.8

Appendix II-K
Public Expenditure 1986-87

(Million Rs.)

S.No.	Item	Federal	Provincial	Total
1	2	3	4	5
A.	<u>Current Expenditure</u>	<u>82,930</u>	<u>24,674</u>	<u>107,604</u>
	1. Defence	38,616	-	38,616
	2. Interest	21,294	699	21,993
	3. Subsidies	4,921	2,672	7,593
	4. General Administration	7,600	2,679	10,279
	5. Social Services	3,371	10,838	14,209
	6. Others	7,125	7,786	14,911
B.	<u>Development Expenditure</u>	<u>34,050</u>	<u>12,000</u>	<u>46,050</u>
	Total (A + B)	<u>116,980</u>	<u>36,674</u>	<u>153,654</u>

As per cent of Total Expenditure

A.	<u>Current Expenditure</u>	<u>70.9</u>	<u>67.3</u>	<u>70.0</u>
	1. Defence	33.0	-	25.1
	2. Interest	18.2	1.9	14.3
	3. Subsidies	4.2	7.3	4.9
	4. General Administration	6.5	7.3	6.7
	5. Social Services	2.9	29.6	9.2
	6. Other	6.1	21.2	9.7
B.	<u>Development Expenditure</u>	<u>29.1</u>	<u>32.7</u>	<u>30.0</u>
	Total Expenditure	100	100	100

Appendix II-L
Merchandise Trade
Billion Rs.

Year	Export	Imports	Balance	Prop. in GNP %
1	2	3	4	5
1969-70	1.61	3.29	-1.68	10.3
1974-75	10.29	20.93	-10.4	27.8
1979-80	23.41	46.93	-23.52	27.8
1980-81	29.28	53.54	-24.26	27.5
1981-82	26.27	59.48	-33.21	24.8
1982-83	34.44	68.15	-33.71	25.6
1983-84	37.34	76.71	-39.37	24.9
1984-85	37.98	89.78	-51.80	25.1
1985-86	49.59	90.95	-41.35	24.6

Source: Economic Adviser's Wing, "Pakistan Basic Facts" (P.77)

Appendix II-M
Major Imports 1985-86

S. No.	Item	Value Million Rs.	% of Total
1	2	3	4
1.	P.O.L.	16,775	18.4
2.	Machinery - non electrical	14,955	16.4
3.	Transport equipment	9,178	10.1
4.	Iron & steel Manufacture	4,355	4.8
5.	Electrical goods	3,144	3.4
6.	Chemicals	6,610	7.3
7.	Drugs and medicines	2,245	2.5
8.	Chemical fertilizers	2,079	2.3
9.	Vegetable oil	6,129	6.7
10.	Grains and pulses	5,067	5.6
11.	Tea	2,175	2.4
12.	Others	18,264	20.0
Total:		90,946	100

ANNEXURES TO CHAPTER III

TRANSPORT SYSTEM

Appendix III-A
Rolling Stock of Pakistan Railways (1985-86)

S.No.	Item	Broad guage	Meter guage	Narrow guage	Total
1.	2	3	4	5	6
<u>1. Locomotives</u>					
	i) Steam	278	25	35	338
	ii) Diesel	512	-	-	512
	iii) Electric	29	-	-	29
	Total:	819	25	35	879
<u>2. Coaching Vehicles</u>					
	i) Passanger carriage	2515	87	120	2722
	ii) Other	457	18	31	506
	Total:	2972	105	151	3228
<u>3. Freight Wagons</u>					
		34,184	654	399	35,237

Appendix III-B
Summary of Railway Operations

YEAR	PASS TRAINS	TRAIN KM/000	PASS 000	PK/M MILL	FREIGHT TRAINS	TRAIN K/M/000	WAGONS LOADED	FREIGHT 000TONS	T.K/M MILL	TURN BOUND
1	2	3	4	5	6	7	8	9	10	11
1950.55	84697	19787	78942	6779	76843	10311	882	9244	4378	8.3
1955.60	101783	24469	101657	8064	88477	13306	997	11703	5480	7.8
1960.65	131273	27927	126284	9534	90735	14635	1160	14156	7213	9.0
1965.70	152499	31039	130475	10025	92071	15407	1155	14619	7900	11.1
1970.75	156652	31644	134076	10792	78230	13544	957	12715	7907	13.3
1975.80	164917	35098	145710	15112	65423	13184	681	13367	8697	15.85
1980.81	164130	35006	123002	16387	62434	12952	637	11371	7918	14.7
1981.82	161340	35349	119828	16502	62734	11480	677	11446	7367	14.6
1982.83	159980	34662	122710	16031	64419	12338	574	11834	7323	17.0
1983.84	159245	34807	107111	16257	61043	11840	568	10753	7385	18.6
1984.85	156466	33689	94761	17807	57839	11708	541	10520	7263	19.5
1985.86	150184	33553	82928	16820	57337	12453	583	11805	6270	18.3

Appendix III-C
Railway Finances (Million Rupees)

YEAR	OPERATING REVENUES					OPERATING EXPENSES						OPERATING RATIO	
	PASS	PARCEL	FREIGHT	MISC.	TOTAL	RM&MT	FFUEL	STAFF	OTHOP	ADM	MISC		TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1950.55	118.8	22.1	169.4	5.2	315.4	70.9	59.3	34.6	8.5	26.8	9.7	209.7	66.5
1955.60	158.7	31.1	222.1	8.2	420.1	90.2	65.4	40.6	9.5	34.8	10.9	251.3	59.8
1960.65	195.9	32.1	276.8	10.0	514.7	132.8	79.7	58.1	12.3	50.8	14.9	348.7	67.7
1965.70	241.7	42.5	346.4	15.0	645.6	173.0	125.8	74.0	16.4	67.1	23.0	479.4	74.2
1970.75	322.1	49.6	573.8	14.4	960.0	288.5	199.2	83.5	30.6	103.8	18.9	724.6	75.5
1975.76	457.2	69.8	1074.3	31.5	1632.8	505.6	348.8	195.0	58.2	163.3	11.3	1282.5	78.5
1976.77	473.6	69.0	1173.8	31.5	1747.9	661.5	342.3	200.4	64.9	181.1	12.6	1462.7	83.7
1977.78	640.7	80.9	1463.7	27.9	2213.1	683.0	376.3	250.4	74.8	238.6	12.1	1635.2	73.9
1978.79	697.8	82.3	1461.4	32.6	2274.1	807.3	457.0	241.4	96.0	246.1	7.2	1854.9	81.6
1979.80	998.0	95.1	1589.9	26.5	2709.4	900.3	678.7	279.5	109.1	289.3	16.4	2273.3	83.9
1980.81	1090.6	104.1	1712.6	35.1	2942.4	955.0	816.7	280.5	110.0	312.6	16.0	2490.8	84.7
1981.82	1113.9	156.7	1727.0	36.6	3044.2	1181.1	870.6	331.1	132.1	322.9	9.9	2847.6	93.5
1982.83	1231.0	174.4	1929.3	60.3	3395.0	1349.9	996.3	369.2	171.9	409.8	10.8	3307.9	97.4
1983.84	1427.7	212.9	1968.5	50.7	3679.9	1393.7	1079.5	460.4	170.9	483.5	15.9	3603.8	97.9
1984.85	1425.4	169.0	1972.7	115.0	3681.1	1627.3	1098.5	463.1	174.8	483.9	20.6	3868.2	105.1
1985.86	1581.6	211.6	2494.2	100.3	4367.7	1675.2	1106.6	503.4	186.0	517.6	12.8	4001.5	91.6

AS PERCENT OF TOTAL

1950.55	37.67	6.99	53.70	1.63	100	33.79	28.26	16.48	4.04	12.79	4.63	100	
1955.60	37.78	7.40	52.86	1.96	100	35.90	26.01	16.15	3.77	13.83	4.33	100	
1960.65	38.05	6.23	53.78	1.94	100	38.08	22.87	16.68	3.53	14.56	4.29	100	
1965.70	37.44	6.59	53.66	2.32	100	36.09	26.25	15.44	3.42	14.01	4.80	100	
1970.75	33.55	5.17	59.78	1.50	100	39.82	27.49	11.53	4.23	14.33	2.60	100	
1975.76	28.00	4.28	65.79	1.93	100	39.44	27.20	15.21	4.54	12.73	0.88	100	
1976.77	27.09	3.95	67.15	1.80	100	45.22	23.40	13.70	4.43	12.38	0.86	100	
1977.78	28.95	3.65	66.14	1.26	100	41.77	23.01	15.31	4.57	14.59	0.74	100	
1978.79	30.69	3.62	64.26	1.43	100	43.52	24.63	13.02	5.17	13.27	0.39	100	
1979.80	36.84	3.51	58.68	0.98	100	39.60	29.85	12.29	4.80	12.73	0.72	100	
1980.81	37.07	3.54	58.20	1.19	100	38.34	32.79	11.26	4.42	12.55	0.64	100	
1981.82	36.59	5.48	56.73	1.20	100	41.48	30.57	11.63	4.64	11.34	0.35	100	
1982.83	36.26	5.14	56.83	1.78	100	40.81	30.12	11.16	5.20	12.39	0.33	100	
1983.84	38.80	5.79	54.04	1.38	100	38.67	29.95	12.78	4.74	13.42	0.44	100	
1984.85	38.72	4.56	53.59	3.12	100	42.07	28.40	11.97	4.52	12.51	0.53	100	
1985.86	35.75	4.85	57.11	2.30	100	41.86	27.65	12.58	4.65	12.94	0.32	100	

Appendix III-D
Renewal of Rail and Sleepers (Track Km)

Period 1	Track Length	
	Rail 2	Sleepers 3
Ist Plan (1955-60)	1,922	1,365
2nd Plan (1960-65)	1,467	2,320
3rd Plan (1965-70)	973	1,189
4th Plan (1970-78)	1,196	1,713
5th Plan (1978-83)	474	630
6th Plan (1983-88)	499	633
Total:	6,531	7,850

Appendix III-E
Overage Rail and Sleepers as on 30.6.88

PR Div. 1	Rail 2	Sleeper 3
Karachi	929.66	930.03
Sukkur	1099.49	940.03
Multan	1346.10	1074.26
Lahore	1107.60	829.83
Rawalpindi	983.32	785.99
Quetta	818.39	761.71
	6284.56	5321.85
Or Say:	6285	5322

Appendix III-F
Road Length under Highway Departments.

Year	Low Type	High Type	Total
1947	14056	8080	22136
1948	14116	8084	22200
1949	16062	8692	24754
1950	16163	9008	25171
1951	16281	9840	26121
1952	16796	10646	27442
1953	18046	11201	29247
1954	17881	11910	29791
1955	17795	12768	30563
1956	18217	12860	31077
1957	17897	13180	31077
1958	17619	13459	31078
1959	16388	13904	30292
1960	16646	14035	30681
1961	18486	14123	32609
1962	19180	14403	33583
1963	18688	14923	33611
1964	19123	15112	34235
1965	18859	15953	34812
1966	19043	16214	35257
1967	13564	16729	30293
1968	14358	17126	31484
1969	11972	17124	29096
1970	12047	17231	29278
1971	12207	16942	29149
1972	12511	16763	29274
1973	12511	16985	29496
1974	12367	18736	31103
1975	12291	19549	31840
1976	12344	20579	32923
1977	12360	22087	34447
1978	12361	23190	35551
1979	11491	24288	35779
1980	16243	24917	41160
1981	15573	26080	41653
1982	15558	28801	44359
1983	15682	29491	45173
1984	13756	30949	44705
1985	14102	32554	46656

Appendix III-G
Road Length under District Councils

Year	Low Type	High Type	Total
1969	19849	1414	21263
1970	30159	1725	31884
1971	29982	1838	31820
1972	30833	1978	32811
1973	29774	2019	31793
1974	36654	2364	39018
1975	37074	2576	39650
1976	37546	2646	40192
1977	39056	3106	42162
1978	39054	3198	42252
1979	39201	3598	42799
1980	40777	3706	44483
1981	38892	4469	43361
1982	41962	5534	47496
1983	42848	5679	48527
1984	46334	6790	53124
1985	47228	7409	54637

Appendix III-H
Road Length under Municipal Committee
Kilometer

year	Low Type	High Type	Total
1	2	3	4
1969	802	4970	5772
1970	846	5162	6008
1971	846	5197	6043
1972	853	5260	6113
1973	898	5392	6290
1974	997	5576	6573
1975	1044	6131	7175
1976	1129	6414	7543
1977	1132	6718	7850
1978	1181	6909	8090
1979	1218	7071	8289
1980	1262	7416	8678
1981	1258	7710	8968
1982	1395	8125	9520
1983	1416	8474	9890
1984	1517	9561	11078
1985	1559	10691	12250

Appendix III-I
Length of Road by type of Agency, 1985

A g e n c y	Kilometer			(per cent of Total)
	Length		Total	
	Low Type	High Type		
1	2	3	4	5
National Highways	-	4,910	4,910	(4.1)
Provincial Highways	14,102	32,554	46,656	(39.4)
District Councils	47,228	7,409	54,637	(46.1)
Municipal Committees/ Corporation(Urban Roads)	1,559	10,691	12,250	(10.3)
Total:	62,889	55,554	118,453	(100)
Per cent	(53.1)	(46.9)	100	

Source: NTRC, 'Transport Bulletin', 1984 Vol. II, Islamabad April 1985

Appendix III-J
Length of National Highways by Province (1986)

Road No.	Kilometer					Total
	Punjab	Sind	NWFP	Baluch- istan	NA/FATA	
	2	3	4	5	6	7
N-5	1,024	612	88	-	38	1,762
N-25	-	18	-	795	-	813
N-35	15	-	373	-	416	804
N-40	-	-	-	607	-	607
N-50	-	-	74	384	68	526
N-55	377	491	379	-	-	1,247*
N-65	-	89	-	295	-	384
Total:	1,038	719	535	2,082	522	6,143
%	(21.2)	(14.7)	(10.9)	(42.5)	(10.7)	

* w.e.f. October, 1986.

Appendix III-K
Classification of Metalled Roads by Width
 Based on 1983 data

Province	000 kilometers						Total
	Upto 12'	12-24'	24-36'	36-48'	> 48	(of which divided)	
1	2	3	4	5	6	7	8
Punjab	64.8	29.4	3.9	1.4	0.6	(0.26)	100
Sind	48.8	33.6	9.3	5.6	2.5	(2.07)	100
NWFP	56.4	38.8	3.7	0.9	-	-	100
Baluchistan	71.3	46.2	1.0	-	-	-	100
A.K.	97.6	2.4	-	-	-	-	100
Total	60.1	31.5	5.0	2.4	1.0	(0.7)	100
%							

Source: NTRC, 'Transport Statistics, 1984'.

Appendix III-L
 NUMBER OF VEHICLES ON ROAD

YEAR	MOTOR CYC	CARS	BUSES	TRUCKS	OTHER	TOTAL
1950	5213	22572	4843	7775	624	41027
1960	13510	47476	8170	15394	1730	86280
1970	64065	81306	9592	20296	13525	188784
1980	289328	208813	25548	36341	61108	621138
1983	455205	248827	29300	44539	70654	848525
1984	479404	261268	30288	55878	101143	928001
1985	521815	298438	34285	57607	109073	1021218
Gr. Rate						
1950-83	15	8	6	5	15	10

RATIOS

1950	13	55	12	19	2	100
1960	16	55	7	18	2	100
1970	34	43	5	11	7	100
1980	47	34	4	6	10	100
1983	54	29	3	5	8	100
1984	52	28	3	6	11	100

Appendix III-M
PRODUCTION AND SALE OF VEHICLES

Year	Trucks	Buses	LCVs	4x4	Tractors	M/Cycle	Car	Suz.	TOTAL
PROD.									
1973-74	5402	2798	1603	1160	632	4223	0		15818
1974-75	6324	2802	2623	2480	2796	6191	0		23216
1975-76	4179	1983	2112	2694	5765	7475	0		24208
1976-77	3162	1037	1927	2199	6941	5631	0		20897
1977-78	3273	520	1395	1620	8238	6015	0		21061
1978-79	4171	1176	8347	1220	5260	9489	0		29663
1979-80	5089	1930	5763	1619	11719	8866	0		34986
1980-81	2892	513	8818	1687	10454	12002	0		36366
1981-82	3076	285	11170	1526	13381	11259	0		40697
1982-83	3563	737	11532	2101	13894	0	4120		35947
1983-84	2883	624	11718	2160	13456	7124	9267		47232
1984-85	2797	619	12458	1715	13949	7343	13146		52027
Sale									
1973-74	4329	2445	2399	1158	2255	3994	1679		18259
1974-75	6322	1901	5109	2295	5730	5187	9651		36195
1975-76	3837	2438	8142	2734	9578	7389	1025		35143
1976-77	3525	953	12027	2136	12130	5757	2807		39335
1977-78	3277	805	7733	1681	15156	5768	3372		37792
1978-79	4301	1320	5914	1095	12671	5198	707		31206
1979-80	4696	1138	9564	1555	12046	7990	261		37250
1980-81	2688	777	8216	1513	16537	12876	0		42607
1981-82	3719	627	7744	1868	16774	10805	0		41537
1982-83	3256	593	7281	2193	20597	10074	3984		47978
1983-84	3149	701	7337	2233	13215	7476	9239		43350
1984-85	2734	658	10084	1925	14072	9822	12874		52169

Source: Federal Bureau of Statistics and Pakistan Automobile Cor

Appendix III-O
 International Comparison - No. of
 4 Wheel Vehicles per 1000 Persons.

S.No.	Country	1978	1982
1	U.S.A.	665.0	681.0
2	France	375.0	424.0
3	Germany	377.0	412.0
4	Japan	296.0	348.0
5	U.K.	284.0	306.0 (1981)
6	Greece	115.0	151.0
7	Taiwan	23.7	35.2 (1980)
8	Turkey	23.0	24.0 (1979)
9	Thailand	16.7	20.6
10	Korea	10.2	16.2
11	Sri Lanka	11.2	NA
12	Kenya	9.0	9.0 (1980)
13	Afghanista	4.4	NA
14	Pakistan	2.3	2.8
15	India	2.3	NA
16	Nepal	1.9	NA

Source: "International Road Federation,
 World Road Statistics, 1978-82".

Appendix III-P
Berth Facilities at Port Karachi

Wharf	Berth No.	Length (m)	Depth (m)	Construction Year	
East Wharf	No. 1-4	626.36	10.36	1975	
	No. 5-7	462.68	8.53	1964	
	No. 8	167.64	9.44	1964	
	No. 9-17	1,408.16	10.36	1964	
Total:	17	2,664.84			
West Wharf	No. 18	167.64	9.75	1930	
	No. 19-21	541.02	10.36	1930	
	No. 22	213.36	11.58	1973	
	No. 23	192.02	11.58	1973	
	No. 24	154.40	11.58	1973	
Total:	7	1,268.44			
Juna Bunder	No. 25-28	645.56	9.14	1981	
Barge Wharf	East	No. 17 A	36.58	3.05	1960
		No. 24 A	49.07	3.05	1973
		No. 18 A	376.73	7.32	1968
Return Wharf		112.78	7.32	1975	
NMB Wharf		555.96	3.66	1914	
Total:		1,131.12			
Oil Berths (Keamari)	No. 1	300.84	11.28	1966	
	No. 2	196.29	9.44	1956	
	No. 3	122.83	9.44	1910	
	No. 4	321.56	13.41	1978	
Total:		941.52			

Source: KPT

Appendix III-Q
Storage Facilities at Port Karachi

Location	Transit Shed (m ²)	Marshalling Yard (m ²)	Open Stowage (m ²)
East Wharf	53,918	99,021	
West Wharf	50,690	174,750	
Juna Bunder	12,450	26,115	
Total	117,058	299,886	

Container Yard			16,375
East Wharf			101,208
Keamari			9,222
Pak Shaheen			87,034
M1 Yard			212,820

Appendix III-R
Channel at Port Karachi

Name of Channel	Length	Width	Depth
1	2	3	4
Entrance	3.9 Km	183 m	12.2 m
Lower Harbour	3.3 Km	183 m	11.3 m
Upper Harbour	3.5 Km	300 m	10.4 m

Source: KPT

Port Traffic

Year	Imports			Exports			Imports + Exports		
	Dry Cargo	Liquid Cargo	Total Cargo	Dry Cargo	Liquid Cargo	Total Cargo	Dry Cargo	Liquid Cargo	Total Cargo
1	2	3	4	5	6	7	8	9	10
1971-72	2437	3588	6025	2198	813	3011	4635	4401	9036
1972-73	3357	3652	7009	2354	804	3158	5711	4456	10167
1973-74	3213	4109	7322	2278	768	3046	5491	4877	10368
1974-75	3443	4207	7650	1850	417	2267	5293	4624	9917
1975-76	3529	3962	7491	1853	502	2355	5382	4464	9846
1976-77	2987	4111	7098	1700	675	2375	4687	4786	9473
1977-78	3738	4987	8725	1625	1215	2840	5363	6202	11565
1978-79	6316	5448	11764	1741	1297	3038	8057	6745	14802
1979-80	5113	6046	11159	2096	1303	3399	7209	7349	14558
1980-81	5088	6206	11294	2359	1259	3618	7447	7465	14912
1981-82	5962	6695	12657	2205	1507	3712	8167	8202	16369
1982-83	5703	6916	12619	2364	1162	3526	8067	8078	16145
1983-84	6334	7400	13734	3243	666	3909	9577	8066	17645
1984-85	7277	7260	14537	2394	964	3358	6971	8224	17895
1985-86	8245	7295	15540	3704	994	4698	11949	8289	20238

Annual Growth Rate (%)

1972-81	8.6	6.3	7.3	0.8	5.0	2.1	5.5	6.0	5.7
1981-86	10.1	3.29	6.6	9.4	- 4.6	5.4	9.9	2.1	6.3
1972-86	9.10	5.2	7.0	3.8	1.4	3.2	7.0	4.6	5.9

Source: KPT
 Foreign Trade Statistics of Pakistan.

Appendix III-S
Container Cargo

S.No.	Item	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
1. <u>Dry Cargo (000 tons)</u>							
	Import	4,830	4,894	4,792	5,012	5,140	5,216
	Exports	2,358	2,041	1,918	1,679	1,532	2,315
	Total:	7,188	6,935	6,710	6,691	6,672	7,531
2. <u>Container Traffic (000 tons)</u>							
	Import	219	420	544	782	785	993
	Export	200	386	488	519	721	1216
	Total	419	806	1033	1301	1506	2209
3. <u>Container as % of Total</u>							
	Import	4.5	8.5	11.3	15.6	15.2	19.0
	Export	8.4	18.9	24.4	30.6	47.0	52.5
	Total	5.8	11.6	15.4	19.4	22.5	29.3

Appendix III-T
Pakistan Merchant Fleet (1).

PNSC Fleet					As of April, 1987
No.	Name of Ship	Year Built	DWT	Container Capacity (TEU)	Type of Vessels
<u>a. Ships less than 5 years old</u>					
1.	ISLAMABAD	1983	18,204	428	Multi purpose vessel
		Total:	18,204	428	
<u>b. Ship 5 to 10 years old</u>					
1.	SIBI	1981	16,436	381	Multi purpose vessel
2.	KHAIRPUR	"	16,430	381	"
3.	AYUBIA	"	18,050	496	"
4.	KACHAN	"	18,050	496	"
5.	MURREE	"	18,050	496	"
6.	MULTAN	1980	18,257	390	"
7.	BOLAN	"	18,153	428	"
8.	CHITRAL	"	18,144	428	"
9.	HYDERABAD	"	18,257	390	"
10.	MALAKAND	"	18,224	390	"
11.	SARGODHA	"	18,242	390	"
12.	MAKRAN	1979	23,490	770	"
		Total:	219,783	5,436	
<u>c. Ships 10 to 15 years old</u>					
1.	LALAZAR	1974	13,539	-	General cargo vessel
2.	HUNZA	1972	15,928	-	"
3.	HINGLAJ	"	15,928	-	"
4.	OCEAN ENVOY	"	15,215	-	"
		Total:	60,610	-	
<u>d. Ships over 15 years old</u>					
1.	SHALAMAR	1970	13,391	-	General cargo vessel
2.	SUNDERBANS	1968	13,069	-	"
3.	MOENJODARO	"	13,069	-	"
4.	RANGAMATI	"	13,069	-	"
5.	TARBELA	"	13,330	80	"
6.	WARSAK	"	13,330	80	"
7.	KAPTAL	"	13,330	80	"
8.	OHRMAZD	"	13,277	-	"
9.	SHAMS	1960	5,772	-	Haji vessel (Passenger vessel)
		Total:	111,637	240	
GRAND TOTAL:			410,234	6,104	

Pakistan Merchant Fleet (2)

Vessels on the time charter with PNSC					As of April, 1987
No.	Name of Ship	Date Hired	DWT	Container Capacity (TEU)	Type of Vessels
1.	COSMO OCEAN	Feb 1985	26,320	1,019	Container (Self-geared)
2.	GLORIOUS OCEAN	Apr 1985	26,320	1,019	"
3.	CARMEN ALBA	Mar 1987	21,357	904	"
4.	GANDA PERKASA	Nov 1985	13,437	421	Multi purpose Vessel
5.	TEAPING	May 1986	17,482	482	"
6.	TAIYUEN	Oct 1986	17,346	482	"
Total:			122,202	4,327	

PISC Fleet					As of April, 1987
No.	Name of Ship	Year of Built	DWT	Container Capacity (TEU)	Type of Vessels
1.	SAFINA-E-ARAB	1962	6,857	-	Passenger-cum-cargo vessel
2.	SAFINA-E-ABID	1951	5,240	-	"
3.	SAFINA-E-HAIDER	1963	12,655	-	General cargo vessel
4.	SAFINA-E-REHMAT	1958	12,313	-	"
5.	SAFINA-E-ISMAIL	1958	11,893	-	"
Total:			48,958	-	

NTC Fleet				As of April, 1987
No.	Name of Ship	Year of Built	DWT	Type of Vessels
1.	JOHAR	1975	89,941	Crude Oil Tanker
Total:			89,941	

Vessels on Charter with NTC					As of April, 1987
No.	Name of Ship	Year of Built	DWT	Container Capacity (TEU)	Type of Vessels
1.	NERAIDA	1972	96,961		Crude Oil Tanker
2.	ERATO	1974	86,058		"
Total:			183,019		

Appendix III-U
Pakistan Passenger Vessel Fleet

Name of the Ship	Year Built	Speed (Kts)	DWT	Passenger Capacity
PNSC:				
<u>Passenger cum Cargo Vessels</u>				
mv SHAMS	1960	15.0	5,772	1,112
PISC:				
<u>Passenger cum Cargo Vessels</u>				
mv SAFINA-E-ARAB	1962	14.0	6,857	1,294
mv SAFINA-E-ABID	1951	14.0	5,240	1,186
Total			17,869	3,592

Source: PSW

Appendix III-V
Airports in Pakistan

(As of Sep. 1986)

Airport	Admini-1) strative Authority	Traffic in 1985-86			Runway Length (m)	Maximum Operated Aircraft	Major Air Navigation Systems ³⁾						
		Passengers ²⁾ (thousand)	Cargo (thousand tons)	Movements			ASR/ SSR	ILS	VOR/ DVOR	DME	NDB	ALS	VASI/ PAF:
Karachi	C	D 1,786 I 2,644	28.32 103.90	48,291	3,200 2,286	B747	X	X	X	X	X	X	X
Islamabad	J	D 973 I 325	9.96 7.73	26,798	2,743	B747	X	X	X	X	X	X	X
Lahore	C	D 1,138 I 108	16.58 1.45	17,664	2,743	A300		X	X	X	X	X	X
Peshawar	J	D 279 I 33	2.00 0.69	6,069	2,743	A300			X	X	X	X	X
Gwadar	C	D 45 I 10	0.12 0.02	2,113	1,524	F27						X	
Quetta	J	D 155	0.68	2,859	3,658	A300			X	X	X		X
Bannu	C	D 9	0.01	649	1,829	F27						X	
Chitral	C	D 46	0.08	1,200	1,768	F27						X	
D. I. Khan	C	D 21	0.07	1,299	1,524	F27						X	
Faisalabad	C	D 103	0.40	1,691	2,743	B737						X	
Gilgit	C	D 39	0.03	1,285	1,658	F27		X		X	X	X	X
Hyderabad	C	D 3	0.01	776	2,133	F27						X	
Jiwani	C	D 6	0.01	290	1,737	F27			X	X	X		
Moenjodaro	C	D 18	0.04	1,330	1,981	F27						X	
Multan	C	D 195	0.56	27,001	2,743	B737		X	X	X	X		X
Nwabwah	C	D 4	0.01	904	2,743	F27			X		X		
Panjour	C	D 17	0.04	890	1,524	F27			X		X		
Pasni	C	D 19	0.10	1,402	2,743	B737						X	
Saidu Sharif	C	D 17	0.04	742	1,829	F27						X	
Skardu	C	D 27	0.01	1,104	1,981	F27						X	
Sui	P	D 8	0.01	474	1,524	F27						X	
Sukkur	C	D 29	0.26	1,654	2,743	B737						X	
Turbat	C	D 73	0.23	2,776	1,829	F27						X	X
Zhob	C	D 10	0.01	855	1,829	F27						X	
Bhagtanwala (Sargodha)	C	D 3	0.00	498	1,920	DHT							
Mianwali	J	D 2	0.00	452	3,048	DHT							
Bahawalpur	C	D 1	0.00	94	1,524	F27						X	
Jacobabad	J	D 2	0.00	136	1,524	F27							
Badin (Talhar)	J	D 0	0.00	182	1,524	F27							
Kohat	J	D 1	0.00	484	2,469	DHT						X	
Sibi	C	D 0	0.00	47	1,829	F27						X	
Hangla	C	-	-	-	1,524	-						X	
Khuzdar	C	-	-	-	1,829	-						X	
Parachinar	C	-	-	-	1,219	-						X	
Huzarabad	C	-	-	-	914	-						X	
Rawalkot	C	-	-	-	914	-						X	
Dalbandin	(Under Construction)											X	
R.Y. Khan	(Under Construction)												
Ormara	(Under Construction)												

Note: 1) C : CAA
J : Joint User PAF and CAA
P : Private
2) D : Domestic
I : International
3) X : Installed System is earmarked

Source: AIP Pakistan
Civil Aviation Statistics

Appendix III-W
Expenditure on Roads

Agency	First Plan	Second Plan	Third Plan	Non Plan	Fifth Plan	Sixth Plan
1	2	3	4	5	6	7
	Million Rs.					
Federal	7	53	114	2,464	5,352	13,559
Provincial	206	261	616	3,766	4,817	7,641
Total	213	314	730	6,230	10,169	21,200
	% of Total					
Federal	3.3	16.9	15.6	39.6	52.6	64.0
Provincial	96.7	83.1	84.4	60.4	47.4	36.0

Appendix III-X
Physical Targets and Achievements of Sixth Plan

S.No.	Item	Targets	Achievement	% Actual
1	2	3	4	5
1.	Complete Track Renewal (Km)	470	298	63
	a) 100 Lbs	370	201	54
	b) 90 Lbs	100	97	97
2.	Sleeper Renewal (Km)	200	244	122
	a) Main line	50	85	170
	b) Branch Line	150	159	106
3.	Rail Renewal (Km)	100	143	143
4.	Locomotive No.			
	a) Procurement	105	30	29
	b) Rehabilitation	74	42	57
5.	Manufacture of Pass. Coaches (No)	400	376	94
6.	" of Hoper Trucks	300	130	43

Appendix III-Y
Financial Targets and Achievements of Sixth Plan

Agency	Plan Allocation	Expenditure 1985-86	Utilization %
1	2	3	4
<u>Federal</u>			
NHB	5651.6	2022.2	35.8
NLC	-	102.0	
FWO	148.8	195.3	1.31
Other	1750.0	992.6	56.7
Sub-Total:	<u>7550.4</u>	<u>3312.1</u>	<u>43.9</u>
<u>Provinces</u>			
Punjab	2012.5	1002.2	49.8
Sind	1505.0	1014.9	67.4
NWFP	931.9	511.5	54.9
Baluchistan	399.0	332.9	83.4
Sub-Total:	<u>4848.4</u>	<u>2861.5</u>	<u>59.0</u>
Grand Total:	12,398.8	6173.6	50

Appendix III-Z

Physical Targets and Achievements of the Sixth Plan

Agency	Targets		Achievements		% Achievement	
	New Constn	Rehabi.	New Constn	Rehabi.	New Constn	Rehabi.
1	2	3	4	5	6	7
<u>Federal:</u>	1,865	2,975	112	695*	6	21
<u>Provinces:</u>	<u>1,023</u>	<u>4,048</u>	<u>1,521</u>	<u>2,432</u>	<u>149</u>	<u>60</u>
Punjab	425	1,680	278	1,192	65	71
Sind	318	1,256	789	867	248	69
NWFP	196	778	219	270	112	35
Baluchistan	84	334	235	103	280	31
<u>Special</u>	<u>2,912</u>	<u>837</u>	<u>1,420</u>	<u>257</u>	<u>29</u>	<u>31</u>
Total:	5,800	7,860	3,053	3,315	53	42

* Including 69 by FWO

ANNEXURES TO CHAPTER VI

TRAFFIC SURVEYS

APPENDIX VI-A

INDUS HIGHWAY FEASIBILITY STUDY
 TRAFFIC SURVEY AT STATION NO 1 (ATTOCK BRIDGE) ON 26-1-1988.

DIR	HOUR	M/CY	CAR	LCV	WGN	BUS	2AXL	3AXL	4AXL	5AXL	OT	OVEN	TOT
BOTH	1	0	17	2	3	7	65	0	0	0	0	0	94
	2	0	5	0	9	5	41	0	1	0	0	0	61
	3	0	7	0	4	4	46	0	1	0	0	0	62
	4	0	9	0	11	6	60	0	0	0	0	0	86
	5	0	5	1	5	9	94	0	0	0	0	0	114
	6	0	6	4	4	12	75	0	0	0	0	2	103
	7	0	11	1	11	19	95	1	1	1	0	3	143
	8	0	49	17	18	35	82	16	0	1	4	4	226
	9	4	69	22	31	51	78	1	0	0	3	4	263
	10	9	167	0	35	61	93	6	1	0	0	0	372
	11	13	162	28	48	68	92	16	0	2	0	1	430
	12	11	189	22	46	52	93	12	0	0	0	0	425
	13	15	155	5	40	54	107	6	1	0	0	3	386
	14	18	75	27	106	56	141	4	0	0	0	11	438
	15	10	85	38	102	50	191	2	0	0	0	6	484
	16	7	105	89	175	95	225	2	1	0	0	4	703
	17	6	165	55	245	105	320	3	0	0	0	9	908
	18	21	141	22	56	57	167	8	5	0	0	9	486
	19	10	126	19	59	49	133	3	2	0	0	6	406
	20	0	127	11	27	22	120	5	7	0	0	4	323
	21	5	55	6	28	23	90	2	3	0	0	3	215
	22	0	70	1	17	15	94	3	2	0	0	0	202
	23	0	29	9	11	12	73	2	1	0	0	0	137
	24	0	20	2	7	10	71	1	1	0	1	0	113
TOTAL	xxx	129	1849	381	1097	877	2646	93	27	4	8	69	7180

INDUS HIGHWAY FEASIBILITY STUDY
 TRAFFIC SURVEY AT STATION NO 2 (PESHAWAR KOHAT) ON 30-1-1988.

DIR	HOUR	M/CY	CAR	LCV	WGN	BUS	2AXL	3AXL	4AXL	5AXL	OT	OVEH	TOT
BOTH	1	0	0	2	0	0	6	0	0	0	0	0	8
	2	0	0	1	1	0	12	2	0	0	0	0	16
	3	0	0	0	2	0	3	0	0	0	0	0	5
	4	0	0	2	1	1	7	0	0	0	0	0	11
	5	0	0	1	0	0	18	0	0	0	0	0	19
	6	0	8	0	3	3	13	6	0	0	0	0	33
	7	1	20	0	5	4	24	1	0	0	0	0	55
	8	3	49	2	26	19	23	1	0	0	3	0	126
	9	6	40	40	100	30	35	0	0	0	0	0	251
	10	0	65	50	120	65	70	0	0	0	0	0	370
	11	5	70	40	160	80	90	0	0	0	0	0	445
	12	1	49	31	138	53	73	0	0	0	2	0	347
	13	5	62	26	95	31	45	7	0	0	0	0	271
	14	6	44	32	99	32	48	4	0	0	0	0	265
	15	5	62	22	64	34	43	4	0	0	0	0	234
	16	6	51	37	77	28	53	3	0	0	0	0	255
	17	5	128	5	64	22	71	7	0	0	0	2	304
	18	7	96	4	41	16	65	20	0	0	1	0	250
	19	3	81	3	38	11	71	11	0	0	0	0	218
	20	1	49	11	19	6	66	3	0	0	0	2	157
	21	0	6	14	10	1	53	2	0	0	0	0	86
	22	0	4	4	3	0	30	4	0	0	0	0	45
	23	0	4	3	2	0	21	1	0	0	0	0	31
	24	0	0	1	0	0	26	0	0	0	0	0	27
TOTAL	xxx	54	888	331	1068	436	966	76	0	0	6	4	3829

INDUS HIGHWAY FEASIBILITY STUDY
TRAFFIC SURVEY AT STATION NO 3 (BANNU KOHAT) ON 1-2-1988.

DIR	HOUR	M/CY	CAR	LCV	WGN	BUS	2AXL	3AXL	4AXL	5AXL	OT	OVEH	TOT
BOTH	1	0	1	1	1	1	17	0	0	0	1	0	22
	2	0	1	0	1	1	26	2	0	0	0	0	31
	3	0	1	0	1	0	12	0	0	0	0	0	14
	4	0	0	0	0	2	7	0	0	0	0	0	9
	5	0	0	0	2	0	22	4	0	0	0	0	28
	6	0	2	2	1	1	12	1	0	0	0	0	19
	7	0	0	2	2	5	17	0	0	0	0	0	26
	8	1	14	15	14	12	24	6	0	0	0	0	86
	9	1	22	28	24	13	13	3	0	0	1	0	105
	10	1	15	29	23	15	28	0	0	0	3	0	114
	11	3	17	35	38	19	26	3	0	0	0	0	141
	12	2	16	32	35	19	22	6	0	0	3	0	135
	13	3	19	29	34	22	34	1	2	0	4	0	148
	14	0	29	9	35	15	22	4	0	0	1	0	115
	15	3	26	22	32	8	21	1	0	0	0	0	113
	16	2	42	27	45	18	22	3	0	0	1	0	160
	17	4	21	26	15	8	30	0	0	0	0	0	104
	18	1	39	15	27	4	43	6	0	0	3	0	138
	19	0	34	3	17	3	19	1	0	0	2	0	79
	20	0	23	0	7	0	40	7	0	0	0	0	77
	21	0	17	2	8	3	30	3	0	0	1	0	64
	22	0	2	7	5	3	17	1	0	0	0	0	35
	23	0	3	2	0	0	22	2	0	0	0	0	29
	24	0	2	1	0	3	18	0	0	0	0	0	24
TOTAL	xxx	21	346	287	367	175	544	54	2	0	20	0	1816

INDUS HIGHWAY FEASIBILITY STUDY
 TRAFFIC SURVEY AT STATION NO 4 (PEZU BANNU) ON 3-2-1988.

DIR	HOUR	M/CY	CAR	LCV	WGN	BUS	2AXL	3AXL	4AXL	5AXL	OT	OVEH	TOT
BOTH	1	1	43	56	23	31	40	13	0	0	0	2	209
	2	4	57	45	19	22	20	7	0	0	0	4	178
	3	5	37	46	26	21	35	16	0	0	0	6	192
	4	2	51	49	20	31	36	19	0	0	0	4	212
	5	2	33	44	15	18	34	8	0	1	0	6	161
	6	2	40	33	16	16	46	14	0	0	0	4	171
	7	2	11	27	14	15	57	14	0	0	0	8	148
	8	0	18	12	8	4	42	5	3	0	0	1	93
	9	0	20	8	11	2	56	6	0	0	0	0	103
	10	0	7	2	3	1	59	7	0	0	0	1	80
	11	0	14	2	1	0	58	15	0	0	0	0	90
	12	2	8	2	1	1	48	5	0	0	0	0	67
	13	0	1	1	2	1	59	20	0	0	0	3	87
	14	0	3	0	1	1	57	35	0	0	0	0	97
	15	0	1	1	2	1	68	23	0	0	0	1	97
	16	0	0	0	0	0	48	21	0	0	0	0	69
	17	0	1	5	1	0	48	11	0	0	0	0	66
	18	0	1	3	2	9	39	14	0	0	0	0	68
	19	0	7	4	3	11	30	7	0	1	0	0	63
	20	2	11	43	11	24	37	8	0	0	0	0	136
	21	1	29	46	14	29	21	3	0	0	0	1	144
	22	3	36	69	19	34	31	6	0	0	0	6	204
	23	6	43	58	20	30	29	8	0	0	0	5	199
	24	3	46	50	18	24	22	4	0	0	0	5	172
TOTAL	xxx	35	518	606	250	326	1020	289	3	2	0	57	3106

INDUS HIGHWAY FEASIBILITY STUDY
TRAFFIC SURVEY AT STATION NO 5 (D. I. KHAN PEZU ON 6-2-1988.

DIR	HOUR	M/CY	CAR	LCV	WGN	BUS	2AXL	3AXL	4AXL	5AXL	OT	OVEH	TOT
BOTH	1	0	1	1	0	2	32	8	0	0	0	0	44
	2	0	0	0	0	1	29	14	0	0	0	0	44
	3	0	0	1	0	1	30	5	0	0	0	0	37
	4	0	0	0	1	0	23	9	0	0	0	0	33
	5	0	1	3	2	0	15	11	0	0	0	0	32
	6	0	0	4	2	2	18	10	0	0	0	0	36
	7	0	4	4	3	4	14	10	0	0	0	0	39
	8	0	5	14	9	9	31	2	0	2	1	1	74
	9	2	22	17	15	9	17	7	0	0	0	0	89
	10	1	13	14	10	9	13	2	0	0	0	1	63
	11	0	11	18	17	9	15	2	0	0	0	1	73
	12	3	10	11	13	6	3	4	0	0	0	0	50
	13	0	17	19	11	7	12	8	0	0	0	0	74
	14	3	27	14	12	5	9	6	0	0	0	0	76
	15	1	17	10	11	6	12	5	0	0	0	0	62
	16	4	17	21	13	6	20	5	0	0	0	0	86
	17	1	22	16	18	5	33	9	1	0	0	0	105
	18	1	32	13	8	2	43	13	0	0	0	0	112
	19	1	11	13	8	2	43	4	0	0	0	2	84
	20	0	3	6	5	0	27	7	0	0	0	1	49
	21	0	7	4	5	3	29	3	0	0	0	0	51
	22	0	1	4	1	0	17	3	0	0	0	0	26
	23	0	2	4	3	2	20	6	0	0	0	0	37
	24	0	0	0	0	1	27	7	0	0	0	0	35
TOTAL	xxx	17	223	211	167	91	532	160	1	2	1	6	1411

INDUS HIGHWAY FEASIBILITY STUDY (TVOL.6)
 TRAFFIC VOLUME ON D.I.K. TAUNSA ROAD (STATION NO 6) ON 8-2-1988.

DIR	HOUR	M/CY	CAR	LCV	WGN	BUS	2AXL	3AXL	4AXL	5AXL	DT	OVEH	TOT
BOTH	1	0	0	0	0	2	2	0	0	0	0	0	4
	2	0	1	0	0	1	1	0	0	0	0	0	3
	3	0	0	0	0	2	2	2	0	0	0	0	6
	4	0	0	1	0	0	0	0	0	0	0	0	1
	5	0	0	1	1	4	1	0	0	0	0	0	7
	6	0	0	0	0	3	0	0	0	0	0	0	3
	7	0	1	2	1	2	0	0	0	0	0	0	6
	8	0	0	1	2	5	3	2	0	0	0	0	13
	9	2	2	6	2	9	1	0	0	0	0	0	22
	10	9	4	4	0	4	3	0	0	0	0	1	25
	11	6	0	8	0	5	1	0	0	0	0	3	23
	12	2	2	8	0	5	2	0	0	0	0	0	19
	13	3	2	8	0	7	2	1	0	0	0	0	23
	14	4	3	10	0	1	3	1	0	0	0	0	22
	15	4	1	7	0	5	2	0	0	0	0	0	19
	16	5	3	6	0	6	4	0	0	0	0	0	24
	17	0	0	9	0	8	3	0	0	0	0	0	20
	18	0	2	7	2	3	1	0	0	0	0	0	15
	19	0	0	6	1	2	4	0	0	0	0	0	13
	20	1	1	2	1	2	5	1	0	0	0	0	13
	21	0	0	1	0	2	2	0	0	0	0	0	5
	22	1	1	1	1	0	2	0	0	0	0	0	6
	23	1	0	5	0	1	3	4	0	0	0	0	14
	24	0	2	0	0	0	4	2	0	0	0	0	8
TOTAL	xxx	38	25	93	11	79	51	13	0	0	0	4	314

INDUS HIGHWAY FEASIBILITY STUDY (TVOL7)
 TRAFFIC VOLUME ON TAUNSA D.G.KHAN ROAD (STATION NO 7) ON 11-2-1988.

DIR	HOUR	M/CY	CAR	LCV	WGN	BUS	2AXL	3AXL	4AXL	5AXL	DT	OVEH	TOT
BOTH	1	0	2	0	0	1	6	5	0	0	0	0	14
	2	0	1	2	0	2	2	3	0	0	0	0	10
	3	0	1	0	0	2	6	0	0	0	0	0	9
	4	0	1	2	0	3	5	0	0	0	0	0	11
	5	1	1	0	0	1	3	0	0	0	0	0	6
	6	0	2	0	1	8	3	0	0	0	0	0	14
	7	0	0	1	3	8	4	0	0	0	0	0	16
	8	3	1	0	7	8	5	0	0	0	0	2	26
	9	4	7	1	6	9	9	0	0	0	0	2	38
	10	7	7	4	9	11	11	0	0	0	0	2	51
	11	5	5	5	9	14	6	0	0	0	0	0	44
	12	6	12	0	9	9	6	0	0	0	0	2	44
	13	8	10	1	9	11	9	2	0	0	0	4	54
	14	5	7	0	11	12	10	1	0	0	0	2	48
	15	5	7	2	15	9	10	0	0	0	0	0	48
	16	6	10	3	6	11	8	0	0	0	0	1	45
	17	7	7	5	13	9	17	2	0	0	0	0	60
	18	4	9	10	9	11	13	3	0	0	0	2	61
	19	4	4	13	7	4	14	0	0	0	0	0	46
	20	3	8	6	3	6	9	1	0	0	0	1	37
	21	0	2	3	1	2	11	2	0	0	0	1	22
	22	1	4	5	2	2	9	0	0	0	0	0	23
	23	1	1	5	0	1	5	1	0	0	0	0	14
	24	0	1	2	0	0	5	4	0	0	0	0	12
TOTAL	xxx	70	110	70	120	154	186	24	0	0	0	19	753

INDUS HIGHWAY FEASIBILITY STUDY (TVOLB)
 TRAFFIC VOLUME ON JAMPUR RAJANPUR SEC. (STATION NO 8) ON 14-2-1988.

DIR	HOUR	M/CY	CAR	LCV	WGN	BUS	2AXL	3AXL	4AXL	5AXL	OT	OVEH	TOT
BOTH	1	0	4	1	0	4	1	1	0	0	0	1	12
	2	1	0	0	0	0	3	0	0	0	0	0	4
	3	0	0	0	0	2	3	0	0	0	0	0	5
	4	0	0	1	0	5	2	0	0	0	0	0	8
	5	0	1	0	1	4	1	0	0	0	0	0	7
	6	0	0	1	3	6	3	0	0	0	0	1	14
	7	0	0	1	5	4	1	2	0	0	0	0	13
	8	2	4	1	8	4	1	0	0	0	0	0	20
	9	16	8	9	13	6	3	4	0	0	0	1	60
	10	17	7	12	15	7	3	2	0	0	0	0	63
	11	11	9	12	14	9	4	4	0	0	0	1	64
	12	16	14	10	13	9	3	5	0	0	0	0	70
	13	6	13	8	15	9	2	2	0	0	0	1	56
	14	8	9	9	15	9	0	5	0	0	0	0	55
	15	0	9	10	14	7	5	1	0	0	0	0	46
	16	3	11	4	18	9	7	3	0	0	0	0	55
	17	8	7	5	11	8	3	0	0	0	0	3	45
	18	10	7	2	13	8	5	0	0	0	0	1	46
	19	12	9	0	11	7	2	1	1	0	0	4	47
	20	6	9	2	10	6	2	0	0	0	0	2	37
	21	0	4	0	6	3	3	1	0	0	0	0	17
	22	0	2	1	4	1	7	0	0	0	0	0	15
	23	0	2	1	2	2	4	0	1	0	0	0	12
	24	0	1	1	0	0	2	2	0	0	0	0	6
TOTAL	xxx	116	130	91	191	129	70	33	2	0	0	15	777

INDUS HIGHWAY FEASIBILITY STUDY (TVOL10)
 TRAFFIC VOLUME ON LARKANA DADU SEC. (STN 10) ON 17-2-1988.

DIR	HOUR	M/CY	CAR	LCV	WGN	BUS	2AXL	3AXL	4AXL	5AXL	OT	OVEN	TOT
BOTH	1	0	4	1	2	1	1	0	0	0	0	0	9
	2	0	0	0	0	1	7	0	0	0	0	3	11
	3	0	0	0	3	0	0	1	0	0	0	1	5
	4	0	1	0	0	0	0	0	0	0	1	3	5
	5	0	3	0	1	1	5	0	0	0	0	0	10
	6	0	1	0	1	2	6	0	0	0	0	0	10
	7	0	7	1	1	9	5	0	1	2	4	0	30
	8	1	13	4	4	12	15	2	5	0	0	0	52
	9	9	28	6	10	12	16	0	0	0	0	0	81
	10	4	35	6	13	7	10	0	0	0	0	1	76
	11	16	38	3	11	17	13	2	4	1	0	10	115
	12	4	37	4	11	11	12	0	0	0	0	0	79
	13	4	30	3	8	15	10	0	0	2	0	1	73
	14	16	37	8	10	11	17	2	0	2	0	8	111
	15	23	35	5	17	11	10	1	0	0	0	1	103
	16	14	32	2	17	9	17	4	3	0	0	2	100
	17	23	38	4	13	13	10	0	1	0	0	4	106
	18	9	42	5	15	9	13	0	1	0	0	2	96
	19	4	25	6	14	3	13	0	0	0	0	2	67
	20	4	31	3	7	5	12	0	0	0	10	0	72
	21	0	12	4	5	4	3	0	0	0	0	0	28
	22	3	10	3	0	3	12	2	0	0	0	4	37
	23	1	1	3	1	3	8	0	0	0	0	2	19
	24	0	2	0	0	2	5	0	0	0	0	0	9
TOTAL	xxx	135	462	71	164	161	220	14	15	7	15	44	1308

INDUS HIGHWAY FEASIBILITY STUDY
 TRAFFIC VOLUME ON KOTRI DADU SEC. (STN. 11) ON 20-2-1988.

(TVOL11)

DIR	HOUR	M/CY	CAR	LCV	WGN	BUS	2AXL	3AXL	4AXL	5AXL	OT	OVEH	TOT
BOTH	1	0	4	3	1	1	19	21	5	0	0	0	54
	2	0	1	0	0	2	33	9	7	1	0	0	53
	3	0	0	1	1	4	11	9	5	0	0	0	31
	4	0	0	0	0	0	23	16	4	0	1	0	44
	5	0	1	0	0	1	13	6	10	0	0	0	31
	6	0	3	2	0	2	39	11	7	1	0	0	65
	7	1	3	4	0	3	16	21	20	0	1	1	70
	8	0	12	3	4	4	12	14	40	0	0	0	89
	9	1	19	0	9	2	6	6	6	5	1	0	55
	10	1	10	1	9	5	1	8	23	5	0	0	63
	11	3	16	1	14	5	12	12	31	1	1	1	97
	12	0	19	5	9	5	7	4	5	0	2	0	56
	13	3	18	3	7	5	11	2	9	0	1	5	64
	14	2	16	2	12	6	6	8	23	11	11	0	97
	15	2	19	2	11	6	10	7	13	3	7	0	80
	16	1	12	3	11	6	6	6	9	6	0	1	61
	17	2	23	1	8	3	15	11	10	1	0	1	75
	18	2	10	5	10	4	17	11	21	1	2	2	85
	19	0	14	3	5	3	13	16	17	1	0	0	72
	20	1	14	2	8	2	25	7	3	0	0	0	62
	21	1	3	3	6	2	15	15	7	0	0	0	52
	22	3	2	1	5	1	23	10	7	1	0	0	53
	23	0	4	0	2	1	33	25	7	0	0	1	73
	24	1	1	1	3	2	28	4	4	0	0	0	44
TOTAL	xxx	24	224	46	135	75	394	259	293	37	27	12	1526

INDUS HIGHWAY FEASIBILITY STUDY (TVOL12)
 TRAFFIC VOLUME ON KARACHI HYDERABAD SUPER HIGHWAY (STN 12) ON 22-2-198

DIR	HOUR	N/CY	CAR	LCV	WGN	BUS	2AXL	3AXL	4AXL	5AXL	OT	OVEH	TOT
SOUTH	1	0	14	7	0	5	217	24	12	1	0	0	280
	2	0	6	4	1	10	155	26	5	0	0	1	208
	3	0	5	5	3	2	186	18	10	0	0	2	231
	4	0	5	2	0	9	123	13	21	0	0	0	173
	5	0	3	0	2	7	203	19	39	0	0	0	273
	6	0	4	3	2	13	125	15	22	1	0	0	185
	7	0	29	2	3	10	105	13	8	1	0	1	172
	8	1	51	9	1	15	106	11	15	1	0	1	211
	9	1	95	13	11	37	96	7	11	0	0	1	272
	10	3	121	22	6	46	63	3	5	14	2	1	286
	11	3	102	12	7	41	85	7	23	9	16	0	305
	12	3	92	14	4	54	66	5	32	19	6	0	295
	13	2	84	14	1	44	95	5	16	11	0	0	272
	14	1	88	18	4	41	116	13	22	7	0	0	310
	15	0	77	9	5	49	143	1	14	0	0	0	298
	16	1	92	17	5	43	136	2	14	8	0	0	318
	17	1	133	12	5	28	140	9	22	2	0	0	352
	18	0	97	12	8	41	121	7	12	2	0	0	300
	19	2	112	15	6	35	90	17	13	2	0	0	292
	20	1	84	8	4	35	206	8	25	1	0	0	372
	21	0	45	11	10	36	84	9	18	0	0	1	214
	22	0	42	9	2	25	148	21	19	0	0	0	266
	23	0	42	8	5	10	183	11	7	0	1	0	267
	24	0	24	6	1	13	173	13	9	0	0	1	240
TOTAL	xxx	19	1447	232	96	649	3165	277	394	79	25	9	6392

TRAFFIC VOLUME ON N.FIROZ SKRAND ROAD ON 23-2-1988

(TVOL13)

DIR	40UR	M/CYC	CAR	LCV	WAGON	BUS	TRUCK	3AXL	4AXL	5AXL	OTRK	OVEN	TOTAL
EDWH	1	0	1	2	0	5	365	0	2	0	0	0	375
	2	0	4	1	1	5	148	1	5	0	0	0	165
	3	0	0	1	0	4	137	1	0	0	0	0	143
	4	0	3	1	2	11	126	2	0	0	0	1	146
	5	0	3	1	0	4	133	0	1	0	0	0	142
	6	0	2	0	2	8	137	1	1	0	0	0	151
	7	0	8	1	1	8	129	2	0	0	0	3	152
	8	1	12	4	0	10	103	0	1	0	0	0	131
	9	8	26	53	2	14	100	4	5	0	0	4	216
	10	26	31	22	3	23	77	0	5	0	0	2	189
	11	17	45	17	3	22	80	1	1	2	0	6	199
	12	6	41	17	7	20	100	0	1	0	0	3	195
	13	13	33	14	4	17	93	0	1	3	0	5	183
	14	12	57	20	7	26	120	1	1	0	0	1	245
	15	6	25	12	5	26	118	0	1	0	0	0	195
	16	7	18	10	4	17	93	0	0	0	0	0	147
	17	7	19	6	3	26	121	0	0	1	0	0	182
	18	12	44	7	4	22	99	0	0	1	1	4	194
	19	2	30	10	6	16	169	0	0	0	0	3	238
	20	5	27	7	2	13	275	0	2	0	0	0	331
	21	3	20	6	0	6	226	1	1	0	0	0	265
	22	0	14	7	0	10	219	3	0	1	0	1	255
	23	0	12	6	2	9	395	0	0	0	0	0	424
	24	0	3	2	0	6	393	3	1	0	0	0	408
	126	480	231	58	332	3956	20	29	8	1	33	5273	

TRAFFIC VOLUME ON KHAIRPUR N. FIROZ ROAD ON 27-2-1988. (TVOL148)

DIR	HOUR	M/CYC	CAR	LCV	WAGON	BUS	TRUCK	3AXL	4AXL	5AXL	OTRK	OVEH	TOTAL
BOTH	1	0	1	2	1	9	62	8	6	0	0	0	89
	2	0	0	2	1	8	112	11	1	0	0	4	139
	3	0	1	1	6	8	144	13	3	0	1	2	179
	4	0	3	0	2	12	153	17	5	0	0	0	192
	5	0	1	0	2	9	140	4	4	0	0	0	160
	6	0	2	1	1	7	137	4	11	0	0	0	163
	7	0	12	2	3	11	165	16	9	0	0	2	220
	8	0	16	11	14	9	238	16	16	0	2	5	327
	9	15	33	21	45	8	100	6	10	1	1	1	241
	10	19	36	21	37	11	73	8	14	1	1	1	222
	11	17	59	24	33	13	100	4	13	0	0	2	265
	12	8	45	29	22	23	88	5	6	1	2	2	231
	13	25	50	32	29	15	94	10	14	6	1	4	280
	14	16	39	24	24	14	98	6	10	4	0	2	237
	15	4	56	25	27	14	98	12	15	0	0	0	251
	16	6	54	24	21	16	69	4	8	1	0	1	204
	17	12	44	20	36	20	167	9	4	0	0	2	314
	18	9	37	31	31	17	91	5	8	0	0	2	231
	19	13	55	21	15	13	117	16	15	7	0	1	273
	20	6	33	20	10	11	107	10	12	2	0	2	213
	21	2	25	9	3	14	67	11	1	2	1	2	137
	22	0	12	9	1	5	75	12	6	0	0	1	121
	23	0	10	3	6	6	81	1	1	0	0	4	112
	24	0	5	3	0	14	75	9	0	0	0	4	110
		152	629	335	370	287	2651	217	192	25	9	44	4911

TRAFFIC VOLUME ON GOTHKI MPUR MATHELO ROAD ON 28-2-1988. (TVOL15)

DIR	HOUR	M/CYC	CAR	LCV	WAGON	BUS	TRUCK	3AXL	4AXL	5AXL	OTRK	OVEH	TOTAL
BOTH	1	0	1	6	0	7	118	5	10	1	0	0	148
	2	0	0	0	0	12	106	7	10	2	0	0	137
	3	0	0	1	2	6	116	9	10	0	0	0	144
	4	0	2	0	0	0	108	8	9	0	0	0	127
	5	0	2	0	0	7	148	18	11	0	0	0	186
	6	0	0	1	2	7	135	6	12	0	0	0	163
	7	0	3	0	3	9	223	25	7	0	0	1	271
	8	1	10	4	2	18	182	22	5	0	0	0	244
	9	0	12	4	8	17	116	11	12	1	0	0	181
	10	5	25	8	6	19	129	20	24	3	0	0	239
	11	1	20	10	20	25	250	13	29	1	0	0	369
	12	8	22	7	12	29	246	19	13	4	0	2	362
	13	1	30	6	17	17	166	10	9	1	1	1	259
	14	7	26	7	12	18	188	15	11	0	1	4	289
	15	2	20	6	12	23	210	12	25	0	0	0	310
	16	9	41	8	13	22	151	14	18	0	0	5	281
	17	3	29	10	12	21	154	12	14	2	0	3	260
	18	1	28	8	12	20	121	13	11	1	0	0	215
	19	1	33	3	6	19	86	12	20	3	0	2	185
	20	1	15	4	4	11	100	21	16	0	0	3	175
	21	0	23	5	4	14	90	2	26	0	0	1	165
	22	0	14	5	1	10	70	10	11	0	0	0	121
	23	0	7	1	1	7	85	15	5	0	0	0	121
	24	0	6	1	0	12	95	12	18	0	0	0	144
		40	369	105	149	350	3393	311	336	19	2	22	5096

TRAFFIC VOLUME ON SADIQABAD ALIPUR ROAD ON 28-2-1988. (TVOL16)

DIR	HOUR	M/CYC	CAR	LCV	WAGON	BUS	TRUCK3AXL	4AXL	5AXL	OTRK	OVEN	TOTAL	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
BOOTH	1	0	1	4	1	18	43	1	5	0	0	0	73
	2	0	1	0	0	12	26	5	1	0	0	0	45
	3	0	0	0	1	9	30	4	2	0	0	0	46
	4	0	0	0	0	7	19	6	6	0	0	0	38
	5	0	1	1	0	2	19	5	3	0	0	0	31
	6	0	3	1	0	5	15	5	2	0	0	0	31
	7	0	1	0	0	5	5	7	1	0	0	0	19
	8	2	2	0	2	7	9	2	1	0	0	0	25
	9	3	4	2	0	11	27	3	1	0	0	0	51
	10	7	4	6	2	17	26	2	4	0	0	0	68
	11	5	4	2	0	19	22	2	1	0	0	0	55
	12	9	3	4	0	19	23	2	0	1	0	3	64
	13	0	4	2	0	15	18	4	1	0	0	2	46
	14	4	7	4	0	19	31	4	2	0	0	5	76
	15	3	5	1	0	12	38	5	2	0	0	3	69
	16	5	5	1	1	13	32	10	1	0	0	1	69
	17	5	10	3	0	14	36	1	0	0	0	0	69
	18	4	16	3	3	18	36	6	2	0	0	0	89
	19	0	8	0	0	13	35	4	0	0	0	1	57
	20	0	4	1	1	6	41	1	4	0	0	2	60
	21	0	4	0	0	7	37	2	3	0	0	1	54
	22	0	3	3	1	8	31	6	4	0	0	1	57
	23	0	1	2	0	6	37	2	2	0	0	2	52
	24	0	1	0	0	7	40	3	9	0	0	0	60
		47	92	40	12	269	676	89	57	1	0	21	1304

TRAFFIC VOLUME ON MUZAFARGARH KOT ADU ROAD ON 5-3-1988. (TVOL17)

DIR	HR	M/CYC	CAR	LCV	WAGON	BUS	TRUCK	3AXL	4AXL	5AXL	OTRK	OVEN	TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
BOTH	1	0	2	3	0	3	15	1	0	0	0	0	0	24
	2	0	1	6	0	1	3	2	0	0	0	0	0	13
	3	0	0	0	0	1	7	0	1	1	0	0	0	11
	4	0	2	0	0	3	15	0	1	0	0	0	1	22
	5	0	0	1	1	0	8	0	0	0	0	0	0	11
	6	2	0	3	2	3	6	0	0	0	0	0	0	16
	7	0	3	5	9	5	12	6	0	0	0	0	0	34
	8	1	8	9	29	5	23	4	0	0	0	0	0	81
	9	4	19	22	28	11	24	4	0	0	0	0	0	112
	10	4	22	15	20	14	37	4	0	0	0	0	0	116
	11	9	30	11	33	12	28	4	0	0	0	0	0	127
	12	11	21	22	30	19	26	6	0	0	0	0	0	135
	13	9	16	14	31	12	51	16	1	0	0	0	5	155
	14	13	18	11	26	11	29	3	0	0	0	0	8	119
	15	15	22	8	25	14	18	14	0	0	0	0	3	119
	16	2	15	2	19	10	33	5	0	0	0	0	2	88
	17	6	17	3	31	6	36	11	0	0	0	0	1	111
	18	20	24	4	26	7	31	2	1	0	0	0	0	115
	19	4	20	11	30	12	20	3	4	1	0	0	2	107
	20	6	12	16	22	3	26	0	1	0	0	0	0	86
	21	2	10	12	18	8	13	1	1	0	0	0	0	65
	22	4	7	6	11	4	23	3	2	0	0	0	1	61
	23	0	7	4	8	3	18	0	1	0	0	0	12	53
	24	2	7	2	4	1	10	2	1	0	0	0	1	30
		114	283	190	404	168	512	87	14	2	0	37	1811	

TRAFFIC VOLUME ON BHAKKAR RANGPUR ROAD ON 7-3-1980. (TVOL18)

DIR	HOUR	M/CYC	CAR	LCV	WAGON	BUS	TRUCK	3AXL	4AXL	5AXL	OTRK	OVEN	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14
BOTH	1	0	1	0	1	6	43	10	1	1	0	0	63
	2	0	2	0	0	7	48	13	7	0	0	0	77
	3	0	0	2	0	6	35	7	0	0	0	0	51
	4	0	1	3	0	2	42	9	1	0	0	0	57
	5	0	1	0	0	8	22	7	1	0	0	0	39
	6	0	2	0	1	6	26	7	1	0	0	2	49
	7	4	2	3	0	3	27	7	3	0	0	14	118
	8	17	8	9	3	15	43	6	0	0	0	5	85
	9	12	4	13	8	16	26	1	0	0	0	1	77
	10	12	4	21	10	18	6	5	1	1	0	3	79
	11	6	6	19	8	14	19	2	2	1	0	0	82
	12	7	8	20	10	12	17	5	1	0	0	0	84
	13	7	7	20	10	10	26	3	0	0	0	4	88
	14	6	9	20	14	15	22	2	1	0	0	5	113
	15	11	9	16	11	17	35	7	0	0	0	5	93
	16	11	14	12	7	12	35	5	2	0	0	9	105
	17	11	8	10	6	11	33	2	1	0	0	4	122
	18	13	14	15	6	7	40	5	0	0	0	4	110
	19	17	15	6	27	7	44	4	0	0	0	6	97
	20	17	7	8	19	6	44	4	0	0	0	2	85
	21	18	7	8	11	4	41	14	2	0	0	2	77
	22	7	10	4	3	6	35	27	0	0	0	3	87
	23	0	6	4	4	1	34	23	0	0	0	2	80
	24	1	8	4	4	4	53	11	0	0	0	2	80
		0	4	10	0	6	63	7	1	0	0	0	
		0	1	0	0	0							
		149	142	199	154	213	815	189	26	3	0	71	1958

TRAFFIC VOLUME ON BHAKKAR KUNDIAN ROAD ON 8-3-1988. (TVOL19)

DIR	HOUR	M/DYC	CAR	LCV	WAGON	BUS	TRUCK	3AXL	4AXL	5AXL	OTRK	OVEH	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14
BOTH	1	0	0	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	1	3	0	0	0	0	0	4
	3	0	0	0	0	0	3	0	0	0	0	0	3
	4	0	0	0	0	0	2	0	0	0	0	0	2
	5	0	0	0	0	1	1	0	0	0	0	0	2
	6	0	0	0	1	1	0	0	0	0	0	0	4
	7	0	0	0	1	3	0	0	0	0	0	0	9
	8	0	2	0	3	4	0	0	0	0	0	1	22
	9	1	6	0	8	6	0	0	0	0	0	3	29
	10	5	8	1	5	7	0	0	0	0	1	0	13
	11	1	3	0	4	2	2	0	0	0	0	1	8
	12	0	1	1	2	3	0	0	0	0	0	0	26
	13	2	7	2	7	5	3	0	0	0	0	0	12
	14	0	0	1	4	5	2	0	0	0	0	6	27
	15	2	3	2	4	4	6	0	0	0	0	0	19
	16	4	3	2	5	5	0	0	0	0	0	0	14
	17	1	3	0	5	5	2	0	0	0	0	2	30
	18	1	10	1	9	4	3	0	0	0	0	0	29
	19	6	6	0	9	5	3	0	0	0	0	1	12
	20	1	2	2	3	1	2	0	0	1	0	0	10
	21	1	2	0	5	1	0	0	0	0	0	0	8
	22	0	3	0	4	1	0	0	0	0	0	0	5
	23	0	0	0	2	2	1	0	0	0	0	0	6
	24	0	2	0	1	1	2	0	0	0	0	0	
		25	61	12	82	67	35	0	1	0	1	14	298

i) SPOT SPEEDS ON PESHAWAR ATTOCK ROAD

	veh	n	mean	sd	max	min
		498	68.38	16.72	115	22
Peshawar	1	17	41.00	10.98	66	27
Attock	2	116	80.30	12.34	115	50
Direction	3	54	65.26	10.30	93	38
	4	69	76.62	15.62	113	31
	5	99	75.33	9.11	97	40
	6	116	57.68	7.91	80	26
	7	6	59.50	4.61	65	53
	8	4	51.00	6.04	57	42
	11	17	30.53	12.50	79	22
		543	67.50	17.77	112	18
Attock	1	22	48.27	14.23	79	24
Peshawar	2	136	79.21	13.71	112	35
Direction	3	55	63.29	13.81	99	33
	4	67	75.60	13.96	105	36
	5	93	74.94	10.88	95	25
	6	143	58.43	13.22	95	24
	7	5	51.60	8.26	65	40
	8	2	43.00	7.00	50	36
	10	13	32.62	10.04	59	20
	11	7	25.14	4.39	34	18

SPOT SPEEDS ON PESHAWAR KOHAT ROAD

v.type	veh	n	mean	sd	max	min
		497	60.06	16.37	105	25
Peshawar	1	14	48.57	9.63	60	30
Kohat	2	85	72.18	16.42	105	35
Direction	3	46	56.13	11.68	83	35
	4	130	68.85	14.45	100	27
	5	99	59.81	11.69	85	25
	6	107	44.82	8.87	74	28
	7	12	53.58	7.50	65	40
	8	0	ERR	ERR	ERR	ERR
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	4	39.25	9.42	50	28
		492	57.55	17.55	105	20
Kohat	1	14	38.64	12.55	77	25
Peshawar	2	110	60.34	17.44	105	33
Direction	3	55	49.71	14.56	94	28
	4	138	61.77	18.28	105	25
	5	84	62.56	14.89	100	27
	6	79	53.25	14.45	95	28
	7	2	47.50	5.50	53	42
	8	0	ERR	ERR	ERR	ERR
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	10	32.30	10.71	55	20

SPOT SPEEDS ON KOHAT BANNU ROAD

VEH	veh	n	mean	sd	max	min
		339	68.71	16.81	100	20
Kohat	1	4	43.75	8.64	57	33
Bannu	2	78	78.42	11.16	97	52
Direction	3	18	62.00	12.69	86	41
	4	129	75.61	13.67	100	27
	5	47	65.06	13.65	95	29
	6	51	48.71	8.60	65	32
	7	10	54.80	13.85	75	27
	8	0	ERR	ERR	ERR	ERR
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	2	21.00	1.00	22	20
		334	70.14	16.49	100	23
Bannu	1	4	46.00	6.60	52	35
Kohat	2	75	80.35	10.99	100	40
Direction	3	13	64.46	16.43	91	38
	4	125	76.70	11.69	100	45
	5	45	72.24	9.49	92	53
	6	64	50.25	10.06	75	34
	7	4	52.00	14.73	75	35
	8	0	ERR	ERR	ERR	ERR
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	4	29.00	4.30	35	23

SPOT SPEEDS ON BANNU PEZU ROAD

	veh	n	mean	sd	max	min
		537	65.62	15.55	107	15
Bannu	1	10	43.30	11.99	61	24
Pezu	2	120	74.88	14.30	107	28
Direction	3	58	58.90	13.98	87	15
	4	145	70.86	14.08	100	42
	5	83	68.16	12.13	95	27
	6	98	52.98	8.61	75	35
	7	22	57.00	9.53	79	38
	8	0	ERR	ERR	ERR	ERR
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	1	24.00	0.00	24	24
		474	64.48	15.55	100	20
Pezu	1	6	48.33	11.99	60	30
Bannu	2	109	75.32	14.32	100	47
Direction	3	53	58.62	14.31	77	28
	4	122	67.97	14.00	97	38
	5	79	69.54	12.19	90	47
	6	84	51.36	8.64	76	22
	7	18	43.72	9.53	63	33
	8	0	ERR	ERR	ERR	ERR
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	3	22.67	0.00	26	20

SPOT SPEEDS ON PEZU DIKHAN ROAD

VEH	veh	n	mean	sd	max	min
		212	71.69	15.74	120	26
Pezu	1	6	49.83	5.55	54	38
Dikhan	2	49	80.61	14.23	120	42
Direction	3	54	64.11	10.73	84	45
	4	46	84.24	10.59	107	57
	5	18	76.89	8.74	95	62
	6	29	58.03	9.61	86	42
	7	9	57.67	3.89	67	53
	8	0	ERR	ERR	ERR	ERR
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	1	26.00	0.00	26	26
		257	66.20	20.23	117	30
Dikhan	1	4	54.50	13.74	73	35
Pezu	2	51	84.73	13.84	117	40
Direction	3	56	65.87	11.08	104	40
	4	48	82.96	7.69	105	67
	5	29	69.10	9.77	88	50
	6	55	40.56	7.69	60	30
	7	14	38.36	8.27	65	30
	8	0	ERR	ERR	ERR	ERR
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	0	ERR	ERR	ERR	ERR

veh		SPOT SPEEDS ON DIK TAUNSA ROAD (TSPD6)				
		n	avg	std	max	min
DIK		93	53.69	14.08	95	26
Taunsa	1	25	44.08	6.31	54	33
Dirctn.	2	10	72.40	12.03	95	57
	3	27	54.00	12.61	85	30
	4	0	ERR	ERR	ERR	ERR
	5	22	60.82	10.00	78	41
	6	4	48.00	5.87	58	43
	7	2	49.00	8.00	57	41
	8	0	ERR	ERR	ERR	ERR
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	3	27.00	0.82	28	26

veh						
Taunsa		89	50.47	11.98	87	0
DIK	1	18	45.72	7.96	60	0
Dirctn.	2	7	64.14	12.59	87	0
	3	30	53.97	10.07	85	0
	4	2	65.00	3.00	68	0
	5	16	54.31	5.88	68	0
	6	15	38.80	8.95	52	0
	7	0	ERR	ERR	ERR	0
	8	0	ERR	ERR	ERR	0
	9	0	ERR	ERR	ERR	0
	10	0	ERR	ERR	ERR	0
	11	1	20.00	0.00	20	0

veh

SPOT SPEEDS ON TAUNSA DGKHAN ROAD (TSPD7)

		n	avg	std	max	min
		170	54.85	12.54	86	25
Taunsa	1	25	41.84	7.78	58	26
DGKhan	2	23	60.43	12.15	86	39
direction	3	11	64.18	9.42	81	49
	4	37	61.16	8.82	82	45
	5	44	60.25	7.37	78	41
	6	29	42.90	8.03	62	30
	7	0	ERR	ERR	ERR	ERR
	8	0	ERR	ERR	ERR	ERR
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	1	25.00	0.00	25	25

veh

		200	49.34	10.60	85	26
DGKhan	1	36	43.92	7.08	60	33
Taunsa	2	41	58.17	11.75	85	27
Direction	3	8	52.25	7.55	67	42
	4	34	56.00	5.63	69	43
	5	42	48.26	8.55	77	26
	6	39	39.82	5.01	51	32
	7	0	ERR	ERR	ERR	ERR
	8	0	ERR	ERR	ERR	ERR
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	0	ERR	ERR	ERR	ERR

APPENDIX VI-B(CONTD.)

veh	Spot	SPEED OBSERVATIONS AT RAJANPUR JAMPUR SECTION				
		n	avg	std	max	min
Jampur	1	233	63.27	15.95	106	27
Rajanpur	2	48	46.94	10.35	80	27
Direction	3	51	72.57	14.77	106	35
	4	32	59.63	13.65	86	31
	5	59	74.20	8.99	92	52
	6	28	63.79	9.60	83	45
	7	12	47.50	10.81	67	35
		3	49.00	0.82	50	48
		207	59.22	12.50	89	25
Rajanpur	1	33	43.21	8.45	65	25
Jampur	2	43	67.84	9.98	89	42
Direction	3	31	57.77	10.12	81	38
	4	55	67.75	5.68	80	51
	5	32	57.03	6.84	82	48
	6	10	45.50	5.85	60	38
	7	3	39.67	1.70	42	38

TSPD9

SPOT SPEED OBSERVATIONS AT KASHMOR SHIKARPUR SEC.

		n	avg	std	max	min
		235	64.73	15.66	97	22
Kashmor	1	22	52.77	7.02	64	40
Shikarpur	2	82	76.32	9.33	97	50
Direction	3	1	60.00	0.00	60	60
	4	57	68.81	10.92	87	45
	5	27	63.63	7.37	79	38
	6	30	50.57	11.04	96	36
	7	8	47.63	10.40	67	38
	11	8	24.25	1.79	28	22
		351	57.16	15.80	108	22
Shikarpur	1	33	50.33	10.10	80	31
Kashmor	2	100	72.88	10.76	108	41
Direction	3	4	66.25	23.32	104	45
	4	59	65.58	11.13	89	45
	5	27	54.81	5.91	70	43
	6	100	43.43	6.86	74	29
	7	27	42.04	3.86	47	29
	11	1	22.00	0.00	22	22

Spot SPEED OBSERVATIONS AT DADU LARKANA SECTION

		n	avg	std	max	min
		252	57.90	13.55	94	15
Dadu	1	32	43.19	11.34	67	15
Larkana	2	97	65.04	11.93	90	28
Direction	3	8	51.25	5.54	63	44
	4	37	64.46	9.43	86	36
	5	32	61.25	10.34	94	40
	6	38	46.42	5.83	62	33
	7	2	48.50	0.50	49	48
	8	0	ERR	ERR	ERR	ERR
	9	0	ERR	ERR	ERR	ERR
	10	6	47.50	3.30	51	43
	11	0	ERR	ERR	ERR	ERR
		248	52.67	11.33	90	23
Larkana	1	42	41.52	9.32	64	23
Dadu	2	87	60.34	9.37	90	40
Direction	3	16	52.00	12.59	83	38
	4	27	58.89	7.42	70	44
	5	39	50.38	6.43	65	40
	6	32	46.09	6.06	62	31
	7	1	49.00	0.00	49	49
	8	0	ERR	ERR	ERR	ERR
	9	0	ERR	ERR	ERR	ERR
	10	4	39.25	3.56	44	34
	11	0	ERR	ERR	ERR	ERR

Spot SPEED OBSERVATIONS AT DADU KOTRI SECT

		n	avg	std	max	min
Dadu	1	220	52.42	15.81	90	25
Kotri	2	1	60.00	0.00	60	60
Direction	3	46	71.02	9.40	89	49
	4	15	57.13	12.38	77	33
	5	24	72.17	8.21	90	58
	6	17	52.35	7.01	65	39
	7	29	42.17	5.85	60	28
	8	26	41.46	5.85	57	32
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	62	39.13	4.96	55	25
		0	ERR	ERR	ERR	ERR
Kotri	1	200	59.68	17.21	98	31
Dadu	2	4	49.50	3.91	55	44
Direction	3	53	79.53	9.26	98	47
	4	10	61.90	13.95	79	35
	5	20	75.00	11.85	95	43
	6	12	62.92	9.01	75	48
	7	11	46.27	3.89	54	40
	8	9	43.56	9.55	66	32
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	81	46.26	5.95	64	31
		0	ERR	ERR	ERR	ERR

APPENDIX VI-B (CONTD.)

SPOT SPEED OBSERVATIONS AT KAR HYD SUPER HIGHWAY

		n	avg	std	max	min
Hyderabad	1	575	79.67	27.47	150	20
Karachi	2	7	76.71	24.30	130	52
Direction	3	172	104.18	20.27	150	54
	4	21	77.86	15.02	100	50
	5	29	93.93	15.43	135	60
	6	113	94.64	10.53	120	52
	7	133	55.80	10.79	75	20
	8	26	42.81	9.08	65	27
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	74	50.89	11.70	73	25
		0	ERR	ERR	ERR	ERR
karachi	1	525	79.59	24.83	154	28
Hyderabad	2	7	64.29	6.78	70	50
Direction	3	155	104.79	17.67	154	60
	4	23	72.35	13.09	90	40
	5	19	93.47	12.87	107	60
	6	89	91.75	10.41	120	65
	7	139	58.97	12.63	107	35
	8	16	59.75	11.00	74	28
	9	0	ERR	ERR	ERR	ERR
	10	0	ERR	ERR	ERR	ERR
	11	75	56.21	10.73	85	33
		2	60	10	70	50

APPENDIX VI-B (CONTD.)

SPOT SPEED OBSERVATIONS AT N.FEROZ SKRAND SEC.

		n	Avg	Std.	Max	Min
		574	57.35	20.05	128	22
N.FEROZ	1	56	48.16	12.75	76	22
SKRAND	2	201	70.60	22.80	128	26
DIR.	3	42	45.52	10.95	74	29
	4	24	54.17	11.04	80	37
	5	65	70.60	9.14	94	51
	6	150	45.87	8.14	74	25
	7	5	43.60	5.35	51	35
	10	17	42.41	5.67	51	31
	11	14	29.57	4.52	41	24
		530	56.56	19.78	121	21
SKRNS	1	42	43.69	10.38	76	25
N.FEROZ	2	144	78.94	18.59	121	38
DIR	3	47	52.96	13.61	92	31
	4	34	59.53	10.33	78	37
	5	62	58.94	11.31	86	32
	6	179	44.08	7.72	78	25
	7	1	39.00	0.00	39	39
	10	9	40.11	5.95	51	32
	11	12	26.50	3.12	33	21
		1104	56.97	19.93	128	21
BOTH	1	98	46.24	12.00	76	22
DIR	2	345	74.08	21.54	128	26
	3	89	49.45	12.97	92	29
	4	58	57.31	10.95	80	37
	5	127	64.91	11.80	94	32
	6	329	44.89	7.97	78	25
	7	6	42.83	5.18	51	35
	10	26	41.62	5.87	51	31
	11	26	28.15	4.22	41	21

APPENDIX VI-B (CONTD.)

VEH SPOT SPEEDS ON N.FEROZ KHAIRPUR SEC.

K.PUR	1	410	59.42	16.50	106	25
N.FROZ	2	34	58.68	9.86	80	40
DIR	3	63	80.02	12.88	106	50
	4	32	57.09	9.35	80	40
	5	42	77.14	11.14	105	60
	6	29	73.10	8.65	90	56
	7	149	48.44	9.17	73	30
	10	20	50.15	7.53	70	39
	11	39	47.79	5.98	60	32
		2	26.50	1.50	28	25
N.FROZ	1	507	54.71	15.58	105	20
K.PUR	2	61	52.31	11.53	80	35
DIR	3	97	63.07	15.33	105	33
	4	54	55.78	11.60	80	20
	5	78	66.88	14.61	95	35
	6	36	65.47	13.30	96	38
	7	121	43.97	9.41	80	30
	10	17	42.71	7.37	60	30
	11	32	43.94	8.81	68	21
		11	35.45	7.29	50	21
BOTH	1	917	56.81	16.17	106	20
DIR	2	95	54.59	11.38	80	35
	3	160	69.74	16.62	106	33
	4	86	56.27	10.83	80	20
	5	120	70.48	14.36	105	35
	6	65	68.88	12.07	96	38
	7	270	46.44	9.54	80	30
	10	37	46.73	8.33	70	30
	11	71	46.06	7.64	68	21
		13	34.08	7.47	50	21

APPENDIX VI-B (CONTD.)

SPOT SPEEDS ON MPMTHLO GOTKI SEC. (TSPD15)

		n	avg	std	max	min
gotki	1	418	57.11	16.71	108	25
mpmthlo	2	21	57.95	10.43	75	40
dir	3	59	77.85	13.18	108	56
	4	17	61.82	6.90	73	50
	5	29	74.31	14.20	100	25
	6	43	74.56	9.68	101	55
	7	167	46.81	9.42	70	30
	10	32	46.69	8.14	64	34
	11	45	47.56	6.92	67	34
		5	39.80	5.38	50	35
mpmthlo	1	461	54.84	15.40	102	30
gotki	2	18	58.33	10.52	80	40
dir	3	63	73.78	10.64	102	50
	4	18	57.11	10.45	76	40
	5	29	75.34	10.29	97	50
	6	42	71.38	11.43	100	50
	7	175	46.21	9.22	71	30
	10	58	45.83	6.95	69	30
	11	50	45.68	6.64	63	35
		8	42.88	4.70	50	34
both	1	879	55.92	16.08	108	25
dir	2	39	58.13	10.47	80	40
	3	122	75.75	12.11	108	50
	4	35	59.40	9.21	76	40
	5	58	74.83	12.41	100	25
	6	85	72.99	10.70	101	50
	7	342	46.50	9.32	71	30
	10	90	46.13	7.41	69	30
	11	95	46.57	6.84	67	34
		13	41.69	5.19	50	34

APPENDIX VI-B (CONTD.)

SPOT SPEEDS ON SADIQABAD ALIFUR SEC.

	VEH	NO	AVG	STD	MAX	MIN	
SDQ ALPR		115	47.15	9.22	71	28	
	1	9	35.56	3.37	41	31	
	2	9	60.89	5.86	71	52	
	3	9	57.33	4.81	62	45	
	5	36	52.56	5.89	66	39	
	6	46	42.04	4.20	50	32	
	7	1	31.00	0.00	31	31	
	10	3	35.67	5.56	41	28	
	11	2	37.00	5.00	42	32	
	ALPR SDQ DIR		228	46.46	9.30	75	28
		1	8	34.88	3.79	40	29
2		4	70.00	3.08	75	67	
3		6	57.50	4.50	65	52	
5		34	51.88	5.59	67	42	
6		46	42.07	5.24	55	28	
7		8	41.00	2.12	45	38	
10		5	35.40	3.20	40	32	
11		2	32.00	3.00	35	29	
BOTH DIR			228	46.46	9.30	75	28
		1	17	35.24	3.59	41	29
	2	13	63.69	6.66	75	52	
	3	15	57.40	4.69	65	45	
	5	70	52.23	5.75	67	39	
	6	92	42.05	4.75	55	28	
	7	9	39.89	3.73	45	31	
	10	8	35.50	4.24	41	28	
	11	4	34.50	4.82	42	29	

APPENDIX VI-B(CONTD.)

SPOT SPEEDS ON		Muzaffargarh	Kot	Adu			
	veh	no	avg	std	max	min	
MZFRGR KOTADU DIR		332	62.15	16.22	102	24	
	1	44	46.02	5.11	60	37	
	2	70	74.73	9.76	102	45	
	3	25	68.12	9.80	90	50	
	4	70	79.77	6.23	99	60	
	5	30	52.57	6.22	70	44	
	6	70	50.79	5.61	64	39	
	7	13	53.54	4.70	63	45	
	11	10	26.30	1.42	28	24	
	KOTADU MZFRGR DIR		361	62.19	15.86	98	23
		1	49	46.41	5.76	66	36
2		46	76.93	7.46	94	55	
3		28	65.86	8.73	80	50	
4		86	80.00	6.75	98	50	
5		29	57.21	10.49	90	40	
6		93	52.00	7.19	70	36	
7		22	55.14	4.82	70	49	
11		8	25.63	2.06	29	23	
BOTH DIR			693	62.17	16.03	102	23
		1	93	46.23	5.46	66	36
	2	116	75.60	8.98	102	45	
	3	53	66.92	9.32	90	50	
	4	156	79.90	6.52	99	50	
	5	59	54.85	8.89	90	40	
	6	163	51.48	6.59	70	36	
	7	35	54.54	4.84	70	45	
	11	18	26.00	1.76	29	23	

APPENDIX VI-B (CONTD.)

SPOT SPEEDS ON RANGPUR BHAKKAR SEC.

RNGPR	VEH	NO	AVG	STD	MAX	MIN
BKR		283	58.42	17.66	110	21
DIR	1	31	47.97	8.53	66	34
	2	27	74.85	14.75	110	49
	3	55	60.09	12.02	97	44
	4	38	80.58	12.33	98	51
	5	35	67.66	9.38	88	50
	6	70	47.20	7.18	69	29
	7	5	50.20	4.40	56	44
	10	4	58.25	5.07	67	55
	11	18	27.94	8.15	55	21
		269	51.55	14.10	94	21
BKR	1	40	44.08	8.09	70	30
RNGPR	2	19	69.95	10.56	94	54
DIR	3	49	53.73	10.24	84	35
	4	27	73.37	7.60	86	58
	5	45	54.78	9.62	84	37
	6	59	44.76	5.18	62	33
	7	10	38.60	3.56	44	34
	10	4	47.00	2.92	49	42
	11	16	30.13	11.50	62	21
		552	55.08	16.39	110	21
BOTH	1	71	45.77	8.50	70	30
DIR	2	46	72.83	13.40	110	49
	3	104	57.10	11.66	97	35
	4	65	77.58	11.20	98	51
	5	80	60.41	11.46	88	37
	6	129	46.09	6.46	69	29
	7	15	42.47	6.69	56	34
	10	8	52.63	6.98	67	42
	11	34	28.97	9.93	62	21

SPOT SPEEDS ON BHAKKAR KUNDIAN SEC

	VEH	NO	AVG	STD	MAX	MIN
		89	50.33	16.70	82	20
BKR	1	15	40.40	6.77	55	30
KND	2	16	61.63	10.79	80	42
DIR	3	6	43.67	9.43	57	27
	4	17	69.24	9.96	82	48
	5	12	54.50	9.56	80	40
	6	12	45.33	3.35	52	40
	11	11	22.73	2.34	27	20
		78	49.18	12.67	70	20
KND	1	7	42.29	5.17	53	36
BKR	2	18	58.22	5.59	70	45
DIR	3	10	49.30	10.84	64	30
	4	13	62.31	4.14	70	55
	5	20	44.00	6.41	68	35
	6	3	50.00	2.83	52	46
	11	7	22.71	2.25	27	20
		167	49.79	14.96	82	20
BOTH	1	22	41.00	6.37	55	30
DIR	2	34	59.82	8.61	80	42
	3	16	47.19	10.68	64	27
	4	30	66.23	8.68	82	48
	5	32	47.94	9.26	80	35
	6	15	46.27	3.75	52	40
	11	18	22.72	2.30	27	20

STATION NO 01

Location: Attock Bridge.

Date: 26/1/88 & 27/1/88

NO OF VEHICLES													
ORG	DEST	M/CY	CAR	LCV	WGN	BUS	TRU	3XL	4XL	5XL	OTR	DVH	TOTAL
1	1	0	11	12	16	11	85	0	0	0	39	0	174
1	10	0	0	0	0	0	40	3	2	0	0	0	45
1	11	0	0	0	0	0	4	0	0	0	0	0	4
1	14	0	0	0	0	0	4	0	0	0	0	0	4
1	16	0	0	0	0	0	19	0	0	0	0	0	19
1	19	0	0	2	0	0	6	0	2	0	0	0	10
1	20	129	593	150	337	229	778	31	4	1	0	0	2252
1	21	0	103	24	55	43	47	0	0	0	0	0	272
1	22	0	6	2	0	35	87	0	2	0	0	0	132
1	23	0	62	6	137	87	204	7	4	1	39	0	547
1	24	0	0	0	0	0	6	3	0	0	0	0	9
2	20	0	0	0	0	0	2	3	0	0	0	0	5
2	21	0	3	0	0	0	0	0	0	0	0	0	3
2	23	0	3	0	0	0	0	0	0	0	0	0	3
3	1	0	0	0	0	0	2	0	0	0	0	0	2
3	20	0	3	0	0	0	0	0	0	0	0	0	3
3	21	0	3	0	0	0	0	0	0	0	0	0	3
3	23	0	3	0	0	0	0	0	0	0	0	0	3
7	1	0	3	0	0	0	0	0	0	0	0	0	3
10	1	0	8	0	4	2	45	3	10	2	0	0	74
10	21	0	0	0	0	0	2	0	0	0	0	0	2
11	1	0	0	0	0	0	15	7	0	0	0	0	22
15	1	0	0	0	0	0	2	0	0	0	0	0	2
16	1	0	0	0	0	2	32	3	0	0	0	0	37
19	1	0	6	0	0	0	34	0	0	0	0	0	40
20	1	0	775	144	380	292	655	10	2	1	0	0	2259
20	2	0	3	0	0	0	2	0	0	0	0	0	5
20	3	0	0	0	0	0	2	0	0	0	0	0	2
20	11	0	0	0	4	0	0	0	0	0	0	0	4
20	20	0	8	0	0	2	11	0	0	0	0	0	21
20	21	0	0	0	4	0	2	0	0	0	0	0	6
20	23	0	0	0	0	0	4	0	0	0	0	0	4
21	1	0	165	24	51	52	32	0	0	0	0	0	324
22	1	0	8	4	0	28	134	3	0	0	0	0	177
23	1	0	81	14	110	95	345	10	0	0	0	0	655
23	2	0	0	0	0	0	2	0	0	0	0	0	2
23	3	0	3	0	0	0	0	0	0	0	0	0	3
23	20	0	0	0	0	0	2	0	0	0	0	0	2
23	21	0	0	0	0	0	2	0	0	0	0	0	2
24	1	0	0	0	0	0	36	7	0	0	0	0	43
TOTAL:		129	1850	382	1098	878	2643	90	26	5	78	0	7179

Appendix VI-C (Contd.)

STATION NO 02

Location: SKN from Kohat towards Bannu

Date: 30/1/88

NO OF VEHICLES

ORIG	DEST	M/CY	CAR	LCV	WGN	BUS	TRU	3XL	4XL	5XL	OTR	OVH	TOTA
1	1	0	7	8	39	12	19	0	0	0	0	0	85
1	2	16	319	97	379	155	301	7	0	0	0	0	1274
1	3	0	61	12	99	23	74	6	0	5	0	0	280
1	4	0	15	1	16	15	27	3	0	0	0	0	77
1	5	0	0	0	0	0	1	0	0	0	0	0	1
1	10	0	0	0	0	3	27	0	0	0	0	0	30
1	16	0	0	0	0	0	53	30	0	0	0	0	83
1	19	0	0	0	0	0	4	1	0	0	0	0	5
1	25	0	0	0	0	0	10	0	0	0	0	0	10
2	1	11	298	108	399	158	302	12	0	0	0	0	1288
2	2	27	80	95	17	6	31	0	0	5	0	0	261
2	3	0	2	0	0	0	0	0	0	0	0	0	2
2	4	0	0	0	0	0	1	0	0	0	0	0	1
2	10	0	0	0	5	0	1	0	0	0	0	0	6
2	11	0	0	0	0	0	1	0	0	0	0	0	1
2	20	0	3	0	0	0	0	0	0	0	0	0	3
2	21	0	2	0	0	0	0	0	0	0	0	0	2
3	1	0	72	10	96	25	22	1	0	0	0	0	226
3	2	0	0	0	0	2	0	0	0	0	0	0	2
3	20	0	3	0	0	0	0	0	0	0	0	0	3
4	1	0	10	1	14	14	6	0	0	0	0	0	45
5	1	0	0	0	0	0	1	0	0	0	0	0	1
7	1	0	0	0	0	0	0	3	0	0	0	0	3
8	1	0	0	0	0	0	0	1	0	0	0	0	1
10	1	0	3	0	0	19	19	4	0	0	0	0	45
11	1	0	0	0	0	0	27	0	0	0	0	0	27
14	1	0	2	0	0	0	0	0	0	0	0	0	2
15	1	0	0	0	0	0	7	0	0	0	0	0	7
15	6	0	0	0	0	0	1	0	0	0	0	0	1
16	1	0	0	0	0	0	9	1	0	0	0	0	10
19	1	0	0	0	3	0	5	0	0	0	0	0	9
20	1	0	2	0	0	0	0	0	0	0	0	0	2
20	2	0	7	0	0	0	1	0	0	0	0	0	8
21	3	0	2	0	0	0	0	0	0	0	0	0	2
22	1	0	0	0	0	0	1	0	0	0	0	0	1
23	1	0	2	0	0	0	0	0	0	0	0	0	2
25	1	0	0	0	0	0	12	4	0	0	0	0	16
TOTAL:		54	890	332	1967	437	964	73	0	5	5	0	3827

STATION NO 03

Location:Karrapa Chowk.

Date: 01/02/88

DRG	DEST	NO OF VEHICLES											TOTAL
		N/CY	CAR	LCV	WGN	BUS	TRU	3XL	4XL	5XL	OTR	OVH	
1	1	0	0	0	0	0	1	0	0	0	0	0	1
1	2	0	19	7	10	1	16	2	0	0	0	0	55
1	3	0	73	24	85	15	41	8	0	0	0	0	247
1	4	0	11	2	14	7	25	0	0	0	0	0	59
1	10	0	0	0	0	7	13	2	0	0	0	0	22
1	11	0	0	0	0	0	1	0	0	0	0	0	1
1	12	0	0	0	0	0	1	0	0	0	0	0	1
1	14	0	1	0	0	0	2	0	0	0	0	0	3
1	15	0	0	0	0	0	1	0	0	0	0	0	1
1	16	0	0	0	0	0	14	11	0	0	0	0	25
1	19	0	1	1	2	0	10	0	0	0	0	0	14
1	24	0	0	0	0	0	1	0	0	0	0	0	1
1	25	0	4	1	0	3	12	2	0	0	0	0	22
2	1	0	15	9	10	2	30	0	0	0	0	0	64
2	2	21	50	163	56	59	51	3	0	0	0	1	404
2	3	0	35	29	38	22	53	3	0	0	0	0	182
2	4	0	1	1	0	2	2	0	0	0	0	0	6
2	5	0	0	0	0	0	1	0	0	0	0	0	1
2	10	0	0	0	0	4	10	2	0	0	0	0	16
2	14	0	0	0	0	0	1	0	0	0	0	0	1
2	16	0	0	0	0	0	7	8	0	0	0	0	15
2	19	0	0	0	1	0	6	2	0	0	0	0	9
2	20	0	3	1	1	0	0	0	0	0	0	0	5
3	1	0	54	11	80	18	33	0	0	0	0	0	196
3	2	0	19	17	17	9	30	0	0	0	0	0	92
3	20	0	9	2	15	3	8	0	0	0	0	0	37
4	1	0	19	4	16	12	12	0	0	0	0	0	63
4	2	0	3	1	1	0	2	0	0	0	0	0	7
4	20	0	3	0	0	0	0	0	0	0	0	0	3
5	1	0	0	0	0	0	1	0	0	0	0	0	1
5	2	0	0	0	0	0	0	2	0	0	0	0	2
6	2	0	0	0	0	0	1	0	0	0	0	0	1
10	1	0	0	0	0	5	23	0	0	0	0	0	28
10	2	0	0	0	0	2	0	0	0	0	0	0	2
10	20	0	0	0	0	0	1	0	0	0	0	0	1
11	1	0	0	1	0	0	22	2	0	0	0	0	25
11	2	0	0	0	0	0	6	5	0	0	0	0	11
12	1	0	0	0	0	0	2	0	0	0	0	0	2
14	1	0	0	0	0	0	1	0	0	0	0	0	1
15	1	0	0	0	0	0	3	0	0	0	0	0	3
15	2	0	0	0	0	0	3	3	0	0	0	0	6
16	1	0	1	0	0	0	9	3	0	0	0	0	13
16	2	0	1	0	0	0	8	6	0	0	0	0	15
17	2	0	0	0	0	0	5	0	0	0	0	0	5
18	1	0	0	0	0	0	1	0	0	0	0	0	1
19	1	0	1	2	2	0	7	0	0	0	0	0	12
19	2	0	4	0	0	0	2	0	0	0	0	0	6
20	2	0	6	0	1	0	3	2	0	0	0	0	12
20	3	0	11	5	15	2	13	0	0	0	0	0	45
21	3	0	0	1	0	0	0	0	0	0	0	0	1
22	1	0	0	0	0	0	1	0	0	0	0	0	1
23	2	0	0	0	0	0	2	0	0	0	0	0	2

24	1	0	0	0	0	0	1	0	0	0	0	0	1
24	2	0	0	0	0	0	3	0	0	0	0	0	3
25	1	0	1	4	0	1	35	12	0	0	0	0	53
25	2	0	0	0	1	0	1	0	0	0	0	0	2
26	18	0	0	0	0	0	1	0	0	0	0	0	1
		21	345	286	366	174	539	90	0	0	0	1	1912

Appendix VI-C (Contd.)

STATION NO 04

Location: Gambila Bridge.

Date: 3/2/88 - 4/2/88

NO OF VEHICLES													
ORG	DEST	N/CY	CAR	LCV	MGN	BUS	TRU	3XL	4XL	5XL	OTR	OVH	TOTA
1	1	0	0	0	0	0	2	0	0	0	0	0	2
1	2	0	0	0	0	0	1	0	0	0	0	0	1
1	3	0	11	11	1	2	3	0	0	0	0	0	28
1	4	0	17	3	15	13	20	5	0	0	0	0	73
1	5	0	0	0	0	0	1	0	0	0	0	0	1
1	8	0	0	0	0	0	1	0	0	0	0	0	1
1	10	0	0	0	0	4	27	4	0	0	0	0	35
1	11	0	0	0	0	0	3	4	0	0	0	0	7
1	14	0	0	0	0	0	1	0	0	0	0	0	1
1	15	0	0	0	0	0	1	0	0	0	0	0	1
1	16	0	2	0	0	0	35	34	0	0	0	0	72
1	17	0	0	0	0	0	1	0	0	0	0	0	1
1	19	0	0	0	0	0	3	0	0	0	0	0	3
1	22	0	0	0	0	0	2	0	0	0	0	0	2
1	25	0	0	0	0	0	10	0	0	0	0	0	10
2	3	0	5	0	1	0	2	1	0	0	0	0	9
2	4	0	2	0	1	0	5	3	0	0	0	0	12
2	5	0	0	0	0	0	1	0	0	0	0	0	1
2	8	0	0	0	0	0	2	0	0	0	0	0	2
2	10	0	0	0	0	2	2	0	0	0	0	0	4
2	16	0	0	0	0	0	7	4	0	0	0	0	11
2	18	0	0	0	0	0	4	0	0	0	0	0	4
2	19	0	2	5	0	0	0	0	0	0	0	0	8
2	22	0	0	3	0	0	1	0	0	0	0	0	4
2	25	0	0	0	0	0	0	1	0	0	0	0	1
3	1	0	5	0	1	7	8	1	0	0	0	0	22
3	2	0	3	0	0	0	2	0	0	0	0	0	5
3	3	18	232	439	3	88	63	1	0	0	0	0	844
3	4	0	94	49	75	44	144	12	0	0	0	0	419
3	5	0	0	0	1	1	1	3	0	0	0	0	6
3	10	0	0	0	0	9	6	6	0	0	0	0	21
3	11	0	0	0	0	0	3	0	0	0	0	0	3
3	15	0	0	0	0	0	2	0	0	0	0	0	2
3	16	0	3	3	0	5	14	19	0	0	0	0	44
3	17	0	0	0	0	0	3	0	0	0	0	0	3
3	18	0	0	0	3	0	13	0	0	0	0	0	16
3	19	0	15	9	0	21	87	4	3	0	0	0	139
3	20	0	0	0	0	0	2	0	0	0	0	0	2
3	22	0	3	3	22	9	25	4	0	0	0	0	67
3	23	0	0	0	2	5	2	0	0	0	0	0	10
3	24	0	0	0	0	0	2	1	0	0	0	0	3
3	25	0	0	0	0	1	7	0	0	0	0	0	8
4	1	0	15	0	12	14	10	4	0	0	0	0	55
4	2	0	5	3	0	0	10	3	0	0	0	0	21
4	3	18	61	34	73	39	47	9	0	0	0	0	281
4	19	0	0	0	0	0	1	0	0	0	0	0	1
4	20	0	2	3	0	0	0	0	0	0	0	0	5
5	1	0	0	0	0	0	2	0	0	0	0	0	2
5	2	0	0	0	0	0	1	0	0	0	0	0	1
5	3	0	0	3	1	1	3	5	0	0	0	0	13
7	1	0	0	0	0	0	2	1	0	0	0	0	3
8	1	0	0	0	0	0	1	0	0	0	0	0	1

Station No.04 (Contd.)

Appendix VI-C (Contd.)

9	3	0	2	0	0	0	0	0	0	0	0	0	2
10	1	0	2	3	0	4	26	3	0	0	0	0	38
10	2	0	0	0	0	5	1	3	0	0	0	0	9
10	3	0	6	11	0	9	7	1	0	0	0	0	34
11	1	0	0	0	0	0	22	0	0	0	0	0	22
11	2	0	0	0	0	0	2	1	0	0	0	0	3
11	3	0	0	0	0	0	14	4	0	0	0	0	19
12	1	0	0	0	0	0	3	0	0	0	0	0	3
14	2	0	0	0	0	0	1	0	0	0	0	0	1
15	1	0	0	0	0	0	3	0	0	0	0	0	3
15	2	0	0	0	0	0	3	6	0	0	0	0	9
15	3	0	0	0	0	0	1	0	0	0	0	0	1
16	1	0	0	0	0	0	50	54	0	0	0	0	104
16	2	0	2	0	0	0	8	31	0	2	0	0	43
16	3	0	0	0	0	2	23	14	0	0	0	0	39
17	2	0	0	0	0	0	3	0	0	0	0	0	3
17	3	0	0	0	0	0	8	0	0	0	0	0	8
18	1	0	0	0	0	0	3	0	0	0	0	0	3
18	2	0	0	0	0	0	3	0	0	0	0	0	3
18	3	0	2	0	0	0	27	0	0	0	0	0	29
18	18	0	0	0	0	0	1	0	0	0	0	0	1
19	1	0	3	0	0	0	1	0	0	0	0	0	4
19	2	0	2	0	0	0	0	0	0	0	0	0	2
19	3	0	3	9	5	27	41	0	0	0	0	0	85
20	3	0	9	0	2	0	0	0	0	0	0	0	11
20	4	0	5	0	0	0	0	0	0	0	0	0	5
21	4	0	2	3	0	0	0	0	0	0	0	0	5
22	1	0	0	0	0	0	7	0	0	0	0	0	7
22	2	0	0	0	0	0	0	1	0	0	0	0	1
22	3	0	8	3	23	2	83	5	0	0	0	0	124
22	16	0	0	0	0	0	1	0	0	0	0	0	1
23	3	0	2	0	3	5	13	0	0	0	0	0	23
24	2	0	0	0	0	0	1	9	0	0	0	0	10
24	3	0	0	0	0	0	0	15	0	0	0	0	15
25	1	0	0	0	1	0	45	9	0	0	0	0	55
25	2	0	0	0	0	0	3	0	0	0	0	0	3
25	3	0	0	0	0	6	8	0	0	0	0	0	14
26	3	0	0	0	0	0	1	0	0	0	0	0	1

TOTAL:		36	525	598	246	326	1012	285	3	2	0	0	3033
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Appendix VI-C (Contd.)

STATION NO 05

Location: IKM from Pezu towards D.I.Khan

Date: 3/2/88 - 4/2/88

NO OF VEHICLES													
ORG	DEST	M/CY	CAR	LCV	WGN	BUS	TRU	3XL	4XL	5XL	DTR	GVH	TOTAL
1	4	0	11	0	12	9	10	2	0	0	0	0	44
1	7	0	0	0	0	0	2	0	0	0	0	0	2
1	10	0	0	0	0	4	9	1	0	0	0	0	14
1	11	0	0	0	0	0	2	0	0	0	0	0	2
1	12	0	0	0	0	0	1	0	0	0	0	0	1
1	14	0	1	0	0	0	2	0	0	0	0	0	3
1	16	0	0	0	0	0	34	27	1	0	0	0	62
1	18	0	0	0	0	0	1	1	0	0	0	0	2
1	24	0	0	0	0	0	1	0	0	0	0	0	1
1	25	0	0	0	0	0	2	0	0	0	0	0	2
2	4	0	1	0	1	0	2	1	0	0	0	0	5
2	10	0	0	0	1	3	3	0	0	0	0	0	7
2	16	0	4	0	0	0	3	1	0	0	0	0	8
2	17	0	0	0	0	0	1	0	0	0	0	0	1
2	18	0	0	0	0	0	1	0	0	0	0	0	1
2	19	0	0	0	0	0	1	0	0	0	0	0	1
2	22	0	0	0	0	0	1	0	0	0	0	0	1
3	1	0	0	0	0	0	2	0	0	0	0	0	2
3	2	0	0	0	0	0	1	0	0	0	0	0	1
3	3	0	1	0	0	0	1	0	0	0	0	0	2
3	4	14	78	95	69	10	92	4	0	0	0	0	362
3	5	0	0	0	0	0	1	0	0	0	0	0	1
3	10	0	0	0	0	8	11	0	0	0	0	0	19
3	15	0	0	0	0	0	2	1	0	0	0	0	3
3	16	0	7	1	0	2	26	20	0	0	0	0	56
3	17	0	0	0	0	0	3	0	0	0	0	0	3
3	18	0	0	2	0	0	20	1	0	0	0	0	23
3	19	0	0	0	0	0	3	0	0	0	0	0	3
3	22	0	3	0	0	0	3	0	0	0	0	0	6
3	23	0	0	0	0	0	2	0	0	0	0	0	2
3	24	0	0	0	0	0	0	4	0	0	0	0	4
3	25	0	0	0	0	2	0	0	0	0	0	0	2
4	1	0	12	3	10	7	6	1	0	0	0	0	39
4	2	0	1	1	0	0	4	0	1	0	0	0	7
4	3	3	78	102	72	13	65	1	1	0	0	0	335
4	4	0	1	2	0	0	2	0	0	0	0	0	5
4	20	0	0	0	0	0	1	0	0	0	0	0	1
4	23	0	0	1	0	0	0	0	0	0	0	0	1
4	26	0	0	0	1	0	0	0	0	0	0	0	1
5	1	0	0	0	1	0	1	0	0	0	0	0	2
7	1	0	0	0	0	0	0	1	0	0	0	0	1
7	2	0	0	0	0	0	0	1	0	0	0	0	1
7	20	0	0	0	0	0	1	0	0	0	0	0	1
8	1	0	0	0	0	0	1	0	0	0	0	0	1
10	1	0	1	0	0	5	21	7	0	0	0	0	34
10	2	0	1	0	0	6	0	1	0	0	0	0	8
10	3	0	11	0	0	9	4	1	0	0	0	0	25
11	1	0	0	0	0	1	28	0	0	0	0	0	29
11	2	0	0	0	0	0	2	0	0	0	0	0	2
11	3	0	0	0	0	0	3	2	0	0	0	0	5
12	1	0	0	0	0	0	1	0	0	0	0	0	1
13	1	0	0	0	0	0	0	2	0	0	0	0	2

76
Stn. 05 (Contd.)

Appendix VI-C(Contd.)

14	3	0	1	0	0	0	0	0	0	0	0	0	1
15	1	0	0	0	0	0	7	2	0	0	0	0	9
15	2	0	0	0	0	1	4	6	0	0	0	0	5
15	3	0	0	0	0	0	1	0	0	0	0	0	1
15	4	0	0	0	0	0	1	0	0	0	0	0	1
16	1	0	1	0	0	0	13	9	0	0	0	0	23
16	2	0	0	0	0	0	8	18	0	0	0	0	26
16	3	0	3	1	0	5	26	25	0	2	1	0	63
17	1	0	0	0	0	0	3	0	0	0	0	0	3
17	2	0	0	0	0	0	7	0	0	0	0	0	7
17	3	0	0	0	0	0	7	0	0	0	0	0	7
18	1	0	0	0	0	0	1	0	0	0	0	0	1
18	2	0	0	0	0	0	2	0	0	0	0	0	2
18	3	0	1	2	0	0	26	0	0	0	0	0	29
19	3	0	0	0	0	0	2	0	0	0	0	0	2
20	3	0	0	0	0	0	1	0	0	0	0	0	1
20	4	0	1	0	0	0	2	0	0	0	0	0	3
22	2	0	0	0	0	0	1	0	0	0	0	0	1
22	3	0	1	0	0	0	20	0	0	6	0	0	21
23	3	0	1	0	0	0	0	9	0	0	0	0	1
24	3	0	1	0	1	0	2	19	0	0	0	0	23
25	1	0	0	0	0	1	7	4	0	0	0	0	12
25	3	0	0	0	0	3	1	0	0	0	0	0	4
TOTAL:	4	17	221	210	188	89	525	157	3	2	1	0	1393

STATION NO 06

Location: 26KM from Taunsa towards D.G.Khan.

Date: 3/2/88 - 4/2/88

NO OF VEHICLES

ORG	DEST	M/CY	CAR	LCV	WGN	BUS	TRU	3XL	4XL	5XL	DTR	OVH	TOTAL
1	5	0	0	0	0	0	2	1	0	0	0	0	3
1	10	0	0	0	0	1	0	0	0	0	0	0	1
1	25	0	0	0	0	2	0	0	0	0	0	0	2
2	5	0	0	1	0	0	0	0	0	0	0	0	1
2	10	0	0	0	0	2	0	0	0	0	0	0	2
2	14	0	0	0	0	0	1	0	0	0	0	0	1
3	5	0	0	1	0	2	1	3	0	0	0	0	7
3	10	0	0	0	0	0	0	0	0	0	0	0	0
3	16	0	0	1	0	1	0	1	0	0	0	0	3
3	25	0	0	0	0	2	1	0	0	0	0	0	3
4	1	0	0	0	0	0	1	0	0	0	0	0	1
4	5	0	0	1	0	1	1	3	0	0	0	0	6
4	10	0	0	0	0	2	1	0	0	0	0	0	3
4	16	0	0	1	0	5	1	2	0	0	0	0	9
5	1	0	0	0	1	0	1	0	0	0	0	0	2
5	3	0	0	0	0	1	2	0	0	0	0	0	3
5	4	1	2	1	0	2	2	0	0	0	0	0	8
5	5	34	15	78	5	27	10	0	0	0	0	4	173
5	16	0	0	2	1	2	8	0	0	0	0	0	13
5	17	0	4	1	0	3	0	0	0	0	0	0	8
5	23	0	0	0	0	0	1	0	0	0	0	0	1
7	1	0	0	0	0	0	0	2	0	0	0	0	2
10	1	0	0	1	0	2	0	0	0	0	0	0	3
10	2	0	1	0	1	0	0	0	0	0	0	0	2
10	3	0	0	0	0	6	0	0	0	0	0	0	6
10	4	0	1	0	0	2	0	0	0	0	0	0	3
16	3	0	0	0	0	2	0	0	0	0	0	0	2
16	4	0	0	1	0	4	1	0	0	0	0	0	6
16	5	0	0	2	4	0	8	0	0	0	0	0	14
17	5	2	1	0	0	2	2	0	0	0	0	0	7
20	7	0	0	0	0	0	1	0	0	0	0	0	1
22	5	0	0	0	0	0	2	0	0	0	0	0	2
25	1	1	0	0	0	0	1	1	0	0	0	0	3
25	3	0	0	0	0	0	1	0	0	0	0	0	1
25	16	0	0	1	0	0	0	0	0	0	0	0	1
TOTAL:		38	24	92	12	80	49	13	0	0	0	4	312

80

Station No.08 (Contd.)

Appendix VI-C (Contd.)

17	7	0	0	0	0	0	0	0	1	0	0	0	0	1
18	6	0	1	0	0	0	0	0	0	0	0	0	0	1
20	7	0	0	0	1	0	0	0	0	0	0	0	0	1
20	10	0	0	0	0	0	0	0	1	0	0	0	0	1
20	25	0	0	0	1	0	0	0	1	0	0	0	0	2
22	10	0	1	0	0	0	0	0	0	0	0	0	0	1
23	6	0	0	0	0	0	1	0	0	0	0	0	0	1
23	10	0	0	0	0	1	0	0	0	0	0	0	0	1
25	3	0	0	0	0	1	0	0	0	0	0	0	0	1
25	16	0	1	0	0	0	0	0	0	0	0	0	0	1
25	17	0	0	0	0	0	1	0	0	0	0	0	0	1
TOTAL:		116	129	90	191	130	69	33	2	0	0	15	775	

Appendix VI-C (Contd.)

STATION NO 09

Location: 6KM from Kandkot towards Shikarpur

Date: 3/2/88 - 4/2/88

NO OF VEHICLES													
ORG	DEST	N/CY	CAR	LCV	HGN	BUS	TRU	3XL	4XL	5XL	OTR	OVH	TOTAL
1	25	0	0	0	0	0	0	2	0	0	0	0	2
3	25	0	0	0	0	2	0	0	0	0	0	0	2
5	7	0	0	0	0	0	1	1	0	0	0	0	2
5	14	0	0	0	0	1	0	0	0	0	0	0	1
5	20	0	0	0	0	1	0	0	0	0	0	0	1
6	7	0	0	0	0	0	1	0	0	0	0	0	1
6	25	0	0	0	0	0	2	0	0	0	0	0	2
7	1	0	0	0	0	0	0	4	0	0	0	0	4
7	5	0	0	0	0	0	1	0	0	0	0	0	1
7	7	32	267	86	143	96	56	0	0	0	28	2	700
7	8	0	1	1	0	0	1	0	0	0	0	0	3
7	10	0	0	0	0	0	1	0	0	0	0	0	1
7	11	0	0	0	0	0	1	0	0	0	0	0	1
7	12	0	0	0	0	0	1	0	0	0	0	0	1
7	13	0	0	0	0	1	0	0	0	0	0	0	1
7	14	0	35	3	41	8	10	0	0	0	0	0	1
7	15	0	1	0	1	0	2	0	0	0	0	0	97
7	16	0	1	0	0	0	1	3	0	0	0	0	4
7	20	0	0	0	0	0	0	2	0	0	0	0	5
7	22	0	0	0	0	2	3	3	0	0	0	0	2
7	23	0	0	0	0	0	3	0	0	0	0	0	8
7	24	0	1	0	0	0	1	0	0	0	0	0	3
7	25	0	3	0	0	1	10	0	0	0	0	0	2
8	7	0	1	0	1	0	0	2	0	0	0	0	16
8	8	0	1	0	0	0	1	0	0	0	0	0	2
8	14	0	1	1	0	0	0	0	0	0	0	0	2
8	16	0	1	0	0	0	0	0	0	0	0	0	1
8	20	0	0	0	0	0	0	1	0	0	0	0	1
8	22	0	0	0	0	0	1	0	0	0	0	0	1
10	5	0	0	0	0	0	1	0	0	0	0	0	1
10	7	0	0	1	0	0	2	0	0	0	0	0	3
10	25	0	0	0	0	0	2	0	0	0	0	0	2
13	7	0	0	0	0	0	1	0	0	0	0	0	1
14	7	0	29	3	12	2	13	0	0	0	0	0	59
14	14	0	1	0	0	0	0	1	0	0	0	0	2
14	15	0	1	0	0	0	0	0	0	0	0	0	1
14	25	0	4	0	0	0	2	2	0	0	0	0	8
15	7	32	5	3	0	0	4	3	0	0	0	0	47
15	14	0	0	0	0	0	1	0	0	0	0	0	1
15	25	0	0	0	0	1	9	9	0	0	0	0	19
16	7	0	1	0	0	0	3	1	0	0	0	0	5
16	25	0	0	0	0	0	1	1	0	0	0	0	2
19	7	0	0	1	0	0	0	0	0	0	0	0	1
20	7	0	1	0	0	0	1	0	0	0	0	0	2
20	25	0	0	0	0	0	1	2	0	0	0	0	3
22	7	0	0	0	0	0	1	0	0	0	0	0	1
22	8	0	0	0	0	0	2	2	0	0	0	0	4
22	14	0	0	0	0	0	1	0	0	0	0	0	1
22	25	0	0	0	0	0	7	4	0	0	0	0	11
23	7	0	0	1	0	0	1	1	0	0	0	0	3
23	14	0	0	0	0	0	1	1	0	1	0	0	3
23	16	0	0	0	0	0	0	1	0	0	0	0	1

23	25	0	5	0	0	0	14	3	0	0	0	0	22
24	7	0	3	0	0	1	10	2	0	0	0	0	16
24	25	0	0	0	0	0	2	4	0	0	0	0	6
25	1	0	0	0	0	0	0	3	0	0	0	0	3
25	3	0	0	0	0	2	1	0	0	0	0	0	3
25	5	0	0	0	0	0	1	0	0	0	0	0	1
25	6	0	0	0	0	0	1	0	0	0	0	0	1
25	7	0	5	0	0	0	11	0	0	0	0	0	16
25	10	0	0	0	1	0	0	0	0	0	0	0	1
25	14	0	3	2	0	0	2	0	0	0	0	0	7
25	15	0	3	0	0	1	1	0	0	0	0	0	5
25	16	0	0	0	0	0	14	0	0	0	0	0	14
25	17	0	0	0	1	0	1	0	0	0	0	0	2
25	20	0	0	0	0	0	9	5	0	0	0	0	14
25	22	0	0	0	0	0	15	7	0	0	0	0	22
25	23	0	0	0	0	0	55	25	0	0	0	0	80
25	24	0	0	0	0	0	14	0	0	0	0	0	14
25	25	0	0	0	0	0	1	0	0	0	0	0	1
TOTAL:		64	374	102	200	109	303	95	0	1	28	2	1278

Station No. 11 (Contd.)

Appendix-VI-C(Contd.)

14	7	0	0	0	0	0	1	0	0	0	0	0	1
14	9	0	0	0	0	0	1	0	0	0	0	0	1
14	10	0	0	0	0	0	0	10	7	0	0	0	17
15	10	0	0	0	0	0	0	12	11	0	0	0	23
16	10	0	0	0	0	0	1	7	25	1	0	0	34
19	10	0	0	0	0	0	0	2	3	0	0	0	5
20	10	0	0	0	0	0	0	6	4	0	0	0	10
22	10	0	0	0	1	0	2	25	16	0	0	0	44
22	11	0	0	0	0	0	0	1	0	0	0	0	1
23	10	0	0	0	1	0	1	72	38	6	1	0	119
24	10	0	0	0	0	0	0	16	15	1	0	0	32
25	10	0	3	1	0	0	12	0	1	0	0	0	17
25	11	0	3	1	0	0	2	0	8	0	0	0	2
TOTAL:		24	228	46	134	75	393	255	289	37	27	12	1516

STATION NO 12

Location: Hyderabad Toll Plaza

Date: 3/2/88 - 4/2/88

NO OF VEHICLES													
ORG	DEST	M/CY	CAR	LCV	WBV	BUS	TRU	3XL	4XL	5XL	BTR	GVH	TOTAL
1	10	0	1	0	0	9	29	0	2	0	0	0	41
2	10	0	0	0	0	1	2	0	0	0	0	0	3
3	10	0	1	0	0	12	8	0	0	0	0	0	21
4	10	0	1	0	0	3	1	0	0	0	0	0	5
5	10	0	0	0	0	5	3	0	0	0	0	0	16
6	10	0	0	0	0	0	1	0	2	0	0	0	3
7	10	0	3	0	0	0	25	1	2	0	0	0	31
8	10	0	7	0	0	12	55	2	40	8	3	3	130
9	10	0	41	11	3	4	63	1	10	2	1	0	136
9	11	0	0	0	0	0	3	0	0	0	0	0	3
9	14	0	0	0	0	0	2	0	0	0	0	0	2
9	25	0	1	0	0	0	0	0	0	0	0	0	1
10	1	0	5	0	0	13	65	5	3	0	0	0	91
10	2	0	0	0	0	4	1	0	0	0	0	0	5
10	3	0	1	0	1	12	6	1	0	0	0	0	21
10	4	0	0	0	1	1	4	0	0	0	0	0	6
10	5	0	0	0	0	5	4	0	3	0	0	3	15
10	7	0	5	1	1	1	25	1	3	0	0	0	37
10	8	0	9	0	0	8	34	2	8	31	18	0	110
10	9	0	49	20	4	3	83	2	8	0	0	3	172
10	10	0	0	0	0	0	0	1	0	0	0	0	1
10	11	11	586	99	30	223	766	5	8	0	0	0	1728
10	12	0	45	4	0	4	83	0	0	0	0	0	136
10	13	0	9	1	0	0	13	0	24	19	0	0	66
10	14	0	13	1	4	21	148	14	5	0	0	0	206
10	15	0	3	0	0	1	19	1	2	0	0	0	26
10	16	0	1	0	3	4	63	11	0	0	0	0	82
10	18	0	0	0	0	0	1	0	0	0	0	0	1
10	19	0	0	0	0	3	1	0	0	0	0	0	4
10	20	0	4	0	0	1	63	11	8	2	0	0	89
10	21	0	1	0	0	5	1	0	2	0	0	0	9
10	22	0	4	0	1	0	64	15	5	2	0	0	91
10	23	0	11	3	4	3	210	60	37	2	0	0	330
10	24	0	0	0	0	0	34	1	3	0	0	0	38
10	25	0	5	0	0	0	35	1	0	0	0	0	41
11	9	0	0	1	0	1	3	0	0	0	0	0	5
11	10	8	552	82	38	241	460	10	3	0	0	0	1394
11	11	0	0	1	0	1	0	0	0	0	0	0	2
11	25	0	0	0	0	0	1	0	0	0	0	0	1
12	10	0	38	0	0	7	126	2	5	0	0	0	178
13	10	0	5	0	0	0	32	0	3	0	1	0	41
14	10	0	33	4	5	28	120	13	8	0	0	0	211
15	10	0	1	0	0	3	31	13	24	0	0	0	72
16	10	0	1	0	0	1	56	2	45	2	2	0	109
17	10	0	0	0	0	0	13	1	0	0	0	0	14
18	10	0	0	0	0	0	11	1	0	0	0	0	12
19	10	0	1	0	0	0	13	1	2	0	0	0	17
20	10	0	1	0	0	0	17	5	6	4	0	0	33
21	10	0	0	0	0	4	10	0	0	0	0	0	14
22	10	0	1	0	0	0	126	16	29	4	0	0	176
23	10	0	1	0	0	3	120	59	56	0	0	0	239

87
Station No. 12 (Contd.)

Appendix VI-C(Contd.)

23	23	0	0	0	0	0	0	0	0	0	0	0	0
24	10	0	1	0	0	0	101	14	33	4	0	0	153
25	10	0	1	0	0	0	8	0	0	0	0	0	9
26	23	0	0	1	0	0	0	0	0	0	0	0	1
TOTAL:		19	1441	229	95	637	3132	272	395	80	25	9	6334

STATION NO13

Appendix VI-C (Contd.)

Location: 2KM from Sakrand towards Naushahro Firoz. Date: 3/2/88 - 4/2/88

NO OF VEHICLES													
ORG	DEST	H/CY	CAR	LCV	WGH	BUS	TRU	3XL	4XL	5XL	OTR	OVH	TOTA
1	10	0	2	0	0	7	52	0	0	0	0	0	61
1	11	0	0	0	0	0	5	0	0	0	0	0	15
1	12	0	0	0	0	0	2	0	0	0	0	0	2
2	10	0	0	0	2	1	0	0	0	0	0	0	3
3	10	0	0	0	0	11	9	0	0	0	0	0	20
3	11	0	0	0	0	0	5	1	0	0	0	0	6
4	10	0	0	0	0	1	2	0	0	0	0	0	3
4	11	0	0	0	0	0	5	0	0	0	0	0	5
5	10	0	0	0	0	5	20	0	0	0	0	0	25
5	11	0	0	0	0	0	9	0	0	0	0	33	42
6	10	0	0	0	0	0	6	0	0	0	0	0	6
7	10	0	0	0	0	0	44	0	0	0	0	0	44
7	11	0	0	0	0	0	15	1	0	0	0	0	16
7	12	2	0	7	0	1	5	0	0	0	0	0	15
7	25	0	0	0	0	0	2	0	0	0	0	0	2
8	10	0	0	0	0	1	23	0	0	0	0	0	24
8	11	3	0	0	0	2	14	1	1	0	0	0	21
8	12	2	0	0	0	0	2	0	0	0	0	0	4
9	9	0	0	0	0	0	2	0	0	0	0	0	2
9	10	3	0	0	0	0	53	0	0	0	0	0	56
9	11	17	0	0	0	15	17	0	1	0	0	0	50
9	12	5	0	0	0	1	8	0	0	0	0	0	14
9	14	0	0	0	0	0	3	0	0	0	0	0	3
9	15	0	0	0	0	0	3	0	0	0	0	0	3
9	24	0	0	0	0	0	2	0	0	0	0	0	2
10	1	0	2	7	0	9	48	0	0	0	0	0	66
10	2	0	0	0	0	1	5	1	0	0	0	0	7
10	3	0	2	0	0	9	5	1	0	0	0	0	17
10	4	0	3	0	0	1	3	0	0	0	0	0	7
10	5	0	0	0	0	1	11	0	0	0	0	0	12
10	7	0	0	7	0	0	30	0	2	0	0	0	39
10	8	0	2	0	0	1	9	0	0	0	0	0	12
10	9	0	2	0	2	0	2	0	0	0	0	0	6
10	10	0	0	0	0	0	2	0	0	0	0	0	2
10	11	0	0	0	0	0	6	0	0	0	0	0	6
10	12	0	7	0	0	0	32	0	0	0	0	0	39
10	13	0	9	8	0	0	14	0	0	0	0	0	31
10	14	0	14	0	2	14	156	0	0	0	0	0	186
10	15	0	2	7	0	5	30	0	0	0	0	0	44
10	16	0	3	0	0	2	97	0	0	0	0	0	102
10	17	0	0	0	0	1	0	0	0	0	0	0	1
10	18	0	0	0	0	0	2	0	0	0	0	0	2
10	19	0	0	0	0	2	0	0	0	0	0	0	2
10	20	0	9	0	2	2	83	0	0	0	0	0	96
10	21	0	0	0	0	5	11	0	0	0	0	0	16
10	22	0	2	0	0	2	91	0	0	0	0	0	95
10	23	0	10	0	2	2	239	0	1	0	0	0	254
10	24	0	5	0	2	0	36	0	2	0	0	0	45
10	25	0	3	0	0	0	35	0	0	0	0	0	38
11	1	0	0	0	0	0	48	3	0	0	0	0	51
11	2	0	0	0	0	0	3	0	0	0	0	0	3

11	3	0	0	0	0	0	9	0	0	0	0	0	9
11	4	0	0	0	0	0	2	0	0	0	0	0	2
11	7	0	0	0	0	0	11	0	0	0	0	0	11
11	8	125	7	0	4	23	0	0	0	0	0	0	166
11	9	0	9	0	3	7	14	0	0	0	1	0	34
11	10	0	2	0	0	0	15	0	0	0	0	0	17
11	11	0	0	0	0	0	5	0	0	0	0	0	5
11	12	0	51	30	0	4	51	0	1	0	0	0	137
11	13	0	15	7	2	1	11	1	0	0	0	0	37
11	14	0	20	8	24	41	71	0	0	0	0	0	164
11	15	0	2	0	0	0	44	0	0	0	0	0	46
11	16	0	0	0	0	0	118	0	0	0	0	0	118
11	18	0	0	0	0	0	2	1	0	0	0	0	3
11	20	0	0	0	0	0	42	1	0	0	0	0	43
11	22	0	0	0	0	0	70	0	0	0	0	0	70
11	23	0	2	0	0	1	234	1	1	0	0	0	239
11	24	0	0	0	0	1	89	0	1	0	0	0	91
11	25	0	0	0	0	0	15	0	0	0	0	0	15
12	1	0	0	0	0	0	8	0	0	0	0	0	8
12	2	0	2	0	0	0	0	0	0	0	0	0	2
12	7	0	0	0	0	0	5	0	0	0	0	0	5
12	8	0	2	0	0	0	6	0	0	0	0	0	8
12	9	0	9	0	0	0	3	0	0	0	0	0	12
12	10	0	9	0	0	1	94	0	1	0	0	0	105
12	11	0	54	15	3	7	64	0	0	0	0	0	143
12	12	0	121	67	3	60	44	0	0	8	0	0	303
12	13	0	17	15	0	2	8	0	0	0	0	0	42
12	14	0	9	7	0	12	9	0	0	0	0	0	37
12	16	0	0	0	0	1	8	0	0	0	0	0	9
12	22	0	0	0	0	0	5	0	0	0	0	0	5
12	23	0	0	0	0	0	20	0	0	0	0	0	20
12	24	0	2	0	0	0	3	0	0	0	0	0	5
12	25	0	0	0	0	0	5	0	0	0	0	0	5
13	10	0	0	0	0	0	65	0	0	0	0	0	65
13	11	0	9	0	0	0	8	0	0	0	0	0	17
13	12	0	2	0	0	0	2	0	0	0	0	0	4
13	24	0	0	0	0	0	2	0	0	0	0	0	2
14	9	0	0	0	0	0	2	0	0	0	0	0	2
14	10	0	12	0	0	19	214	1	2	0	0	0	248
14	11	0	9	22	14	37	83	0	1	0	0	0	166
14	12	0	2	0	0	5	14	0	2	0	0	0	23
14	13	0	0	0	0	0	2	0	0	0	0	0	2
14	14	0	0	0	0	1	5	0	0	0	0	0	6
15	2	0	0	0	0	0	2	0	0	0	0	0	2
15	10	0	0	0	0	1	61	0	0	0	0	0	62
15	11	0	0	0	0	1	32	0	5	0	0	0	38
15	12	0	0	0	0	0	3	0	0	0	0	0	3
16	9	0	0	0	0	0	2	0	0	0	0	0	2
16	10	0	2	0	0	4	112	0	0	0	0	0	118
16	11	0	0	0	0	0	24	1	0	0	0	0	25
16	12	0	0	0	0	2	8	0	0	0	0	0	10
17	10	0	0	0	0	0	21	0	0	0	0	0	21
17	11	0	0	0	0	0	11	0	0	0	0	0	11
18	10	0	0	0	0	0	11	0	0	0	0	0	11
18	11	0	0	0	0	0	2	0	0	0	0	0	2
19	10	0	0	0	0	1	33	0	0	0	0	0	34
19	11	0	0	0	0	0	8	0	0	0	0	0	8
20	9	0	0	7	0	0	0	0	0	0	0	0	7
20	10	0	0	0	0	0	36	0	0	0	0	0	36
20	11	0	0	0	0	0	5	1	0	0	0	0	6

STATION NO 14

Appendix VI-C(Contd.)

Location: 14KN from Khairpur towards Sukkur.

Date: 01/02/88

NO OF VEHICLES													
ORG	DEST	H/CY	CAR	LCV	HGN	EJS	TRU	3XL	4XL	5XL	OTR	OVH	TOTAL
1	10	0	1	0	3	9	36	2	0	0	0	0	51
1	11	0	0	0	0	0	1	0	0	0	0	0	1
2	9	0	0	0	0	0	1	0	0	0	0	0	1
2	10	0	0	0	0	3	5	0	0	0	0	0	8
2	11	0	0	0	0	0	1	0	0	0	0	0	1
3	10	0	0	0	0	9	2	0	0	0	0	0	11
3	11	0	0	0	0	0	1	0	0	0	0	0	1
4	9	0	0	0	0	0	1	0	0	0	0	0	1
4	10	0	3	0	1	2	1	0	0	0	0	0	7
5	10	0	0	0	0	6	6	0	2	0	0	0	14
5	11	0	0	0	0	0	6	2	0	0	0	0	8
6	10	0	0	0	0	0	1	0	0	0	0	0	1
7	10	0	6	0	0	1	70	4	0	0	0	0	81
7	11	0	5	0	0	0	16	1	0	0	0	0	22
7	12	0	4	0	0	0	13	0	0	0	0	0	17
7	13	0	0	8	0	0	5	0	0	0	0	0	13
7	14	0	1	0	0	0	0	0	0	0	0	0	1
7	20	0	0	0	0	0	1	0	0	0	0	0	1
8	10	0	1	0	0	0	4	0	0	0	0	0	5
8	11	0	1	0	0	0	1	0	0	0	0	0	2
8	12	0	0	8	0	1	0	0	0	0	0	0	9
8	13	0	6	8	0	1	1	0	0	0	0	0	16
9	7	0	1	0	0	0	0	0	0	0	0	0	1
9	13	0	1	0	0	0	0	0	0	0	0	0	1
9	14	0	1	8	1	0	5	0	0	0	0	0	15
9	16	0	0	0	0	1	0	0	0	0	0	0	1
10	1	0	1	0	1	5	13	1	2	0	0	0	23
10	2	0	3	0	1	1	5	0	0	0	0	0	10
10	3	0	1	0	0	9	1	0	0	0	0	0	11
10	4	0	1	0	0	2	2	0	3	0	0	0	8
10	5	0	0	0	0	2	2	0	0	0	0	0	20
10	7	0	1	0	0	0	8	1	0	6	0	0	10
10	11	0	0	0	0	0	0	0	1	0	0	0	1
10	13	0	6	0	0	0	5	0	0	0	0	0	11
10	14	0	13	8	1	22	87	15	2	0	0	0	148
10	15	0	1	0	0	0	19	0	0	0	0	0	20
10	16	0	0	0	0	2	25	10	0	0	0	0	37
10	19	0	1	0	0	0	0	1	0	0	0	0	2
10	20	0	4	8	0	2	18	2	19	3	2	0	58
10	21	0	0	0	0	6	6	0	0	0	0	0	12
10	22	0	1	0	0	0	23	2	8	0	0	0	26
10	23	0	1	0	0	1	90	22	19	3	2	0	138
10	24	0	4	0	0	0	19	1	0	0	0	0	24
10	25	0	3	0	0	0	21	0	0	0	0	0	24
11	1	0	0	0	0	0	33	5	0	0	0	0	38
11	2	0	0	0	0	0	6	0	0	0	0	0	6
11	3	0	0	0	0	0	6	0	0	0	0	0	6
11	4	0	0	0	0	0	1	0	0	0	0	0	1
11	5	0	0	0	0	0	2	0	0	0	0	0	2
11	7	0	1	8	0	3	7	0	0	0	0	0	19
11	8	0	0	0	0	0	1	0	0	0	0	0	1

STATION NO 15

Appendix VI-C (Contd.)

Location: 14KH from Ghotki Chowk towards R.Y.Khan. Date: 01/02/88

NO OF VEHICLES													
ORG	DEST	M/CY	CAR	LCV	HGN	BUS	TRU	3XL	4XL	5XL	BTR	OVH	TOTAL
1	10	0	1	0	0	13	44	0	0	4	0	0	62
1	11	0	0	2	0	0	13	0	3	0	0	0	18
1	14	0	0	0	0	0	8	0	0	6	0	0	8
2	10	0	0	0	1	2	6	0	0	0	0	0	9
2	11	0	0	0	0	0	0	1	0	0	0	0	1
3	10	0	0	0	0	9	14	0	0	0	0	0	23
3	11	0	0	0	0	0	2	1	0	0	0	0	3
4	10	0	0	0	0	3	2	0	0	0	0	0	5
4	13	0	0	0	0	0	0	1	0	0	0	0	1
5	10	0	0	0	0	6	8	0	0	0	0	0	14
5	11	0	0	6	0	0	6	1	0	0	0	0	7
5	14	0	0	0	0	1	1	0	0	0	0	0	2
6	10	0	0	0	0	0	1	0	0	0	0	0	1
7	10	0	0	0	0	0	4	4	1	0	0	0	9
7	11	0	0	0	0	1	2	0	0	0	0	0	3
7	13	0	0	0	0	1	1	0	0	0	0	0	2
7	14	0	102	4	34	17	0	0	0	0	0	0	67
7	16	0	0	0	0	0	1	0	0	0	0	0	1
7	22	0	0	0	0	0	5	0	0	0	0	0	5
7	23	0	0	0	0	0	1	0	0	0	0	0	1
8	3	0	0	0	0	0	1	0	0	0	0	0	1
8	15	0	0	0	0	0	4	0	0	0	0	0	4
8	16	0	0	0	0	0	4	0	0	0	0	0	4
8	17	0	0	0	0	0	1	0	0	0	0	0	1
8	20	0	1	0	0	0	0	0	0	0	0	0	1
8	22	0	0	0	0	0	2	0	0	0	0	0	2
8	23	0	0	0	0	0	5	0	0	0	0	0	5
8	24	0	0	0	0	0	5	0	0	0	0	0	5
9	1	0	0	0	0	0	1	0	0	0	0	0	1
9	14	0	0	0	0	0	2	0	0	0	0	0	2
9	15	0	1	0	0	0	0	0	0	0	0	0	1
9	23	0	0	0	0	0	2	0	0	0	0	0	2
10	1	0	2	0	0	10	63	2	1	0	0	0	78
10	2	0	0	0	0	1	1	0	0	0	0	0	2
10	3	0	1	0	0	9	2	0	0	0	0	0	12
10	4	0	0	0	0	1	1	1	0	0	0	11	3
10	5	0	0	2	0	3	5	1	9	0	0	0	20
10	6	0	0	0	0	0	1	0	0	0	0	0	3
10	7	0	1	0	0	0	14	10	3	0	0	0	28
10	13	0	0	0	0	0	0	0	1	0	0	0	1
10	14	0	1	0	0	0	6	0	0	0	0	0	7
10	15	0	5	0	0	2	38	9	9	0	0	0	63
10	16	0	4	0	0	2	49	7	6	0	0	0	68
10	19	0	1	0	0	2	6	4	0	0	0	11	24
10	20	0	4	2	0	1	77	5	25	2	0	0	116
10	21	0	0	0	0	4	10	1	0	0	0	0	15
10	22	0	0	0	0	0	64	5	6	0	0	0	75
10	23	0	7	0	1	3	204	18	70	11	0	11	325
10	24	0	1	0	1	0	32	0	10	0	0	0	44
10	25	0	0	0	0	1	1	0	0	0	0	0	2
11	1	0	0	0	0	0	52	0	1	0	0	0	53

11	2	0	0	0	0	0	2	1	0	0	0	0	3
11	3	0	0	0	0	0	6	0	0	0	0	0	6
11	4	0	0	0	0	0	1	1	0	0	0	0	2
11	5	0	0	0	0	0	4	0	0	0	0	0	4
11	7	0	0	0	0	0	4	0	0	0	0	0	4
11	9	0	0	0	0	0	1	0	0	0	0	0	1
11	14	0	6	0	0	0	10	0	0	0	0	0	16
11	15	0	1	0	0	0	50	1	1	0	0	0	53
11	20	0	2	0	0	0	74	1	0	0	0	0	77
11	21	0	1	0	0	0	51	0	0	0	0	0	52
11	22	0	0	0	0	0	6	0	0	0	0	0	6
11	23	0	0	0	0	0	78	1	1	0	0	0	80
11	24	0	0	0	0	0	217	14	3	0	0	0	234
12	1	0	0	0	0	0	87	3	6	0	0	0	96
12	5	0	0	0	0	0	1	0	0	0	0	0	1
12	10	0	0	0	0	0	0	0	1	0	0	0	1
12	15	0	1	0	0	0	1	0	0	0	0	0	1
12	16	0	1	0	0	1	2	0	0	0	0	0	4
12	18	0	0	0	0	0	5	0	0	0	0	0	6
12	20	0	0	0	0	0	1	0	0	0	0	0	1
12	22	0	0	0	0	0	8	0	0	0	0	0	8
12	23	0	0	0	0	0	7	0	0	0	0	0	7
12	24	0	0	0	0	0	20	0	0	0	0	0	20
13	5	0	0	0	0	0	2	0	0	0	0	0	2
13	10	0	0	0	0	0	0	0	1	0	0	0	1
13	14	0	0	0	0	0	1	0	0	0	0	0	1
13	15	0	0	2	0	0	2	0	0	0	0	0	4
13	16	0	1	0	0	0	5	0	0	0	0	0	7
13	23	0	0	0	0	1	1	0	0	0	0	0	2
13	24	0	2	0	0	0	0	0	0	0	0	0	1
14	1	0	0	0	0	0	1	0	0	0	0	0	3
14	3	0	1	0	0	0	0	0	0	0	0	0	1
14	5	0	0	0	0	1	1	0	0	0	0	0	1
14	6	0	0	0	0	0	1	0	0	0	0	0	2
14	7	0	0	0	0	0	1	0	0	0	0	0	1
14	8	0	17	2	2	0	15	2	1	0	0	0	39
14	10	0	1	0	0	0	14	0	0	0	0	0	15
14	11	0	0	0	0	0	23	1	5	0	0	0	30
14	12	0	0	0	0	0	33	0	0	0	0	0	33
14	13	0	1	0	1	0	37	0	0	0	0	0	39
14	14	0	8	0	0	0	8	0	0	0	0	0	16
14	14	40	206	69	129	21	154	1	0	0	0	0	620
14	15	0	17	7	4	59	122	2	0	0	0	0	211
14	16	0	2	0	1	13	11	0	0	0	0	0	27
14	18	0	0	0	0	0	1	0	0	0	0	0	1
14	20	0	0	0	0	0	1	0	0	0	0	0	1
14	22	0	0	0	0	0	6	0	0	0	0	0	6
14	23	0	2	0	0	0	18	0	0	0	0	0	20
14	24	0	2	0	0	0	6	0	0	0	0	0	8
14	25	0	0	0	0	0	5	0	0	0	0	0	5
15	3	0	0	0	0	0	1	0	0	0	0	0	1
15	7	0	0	0	0	0	5	0	0	0	0	0	5
15	8	0	0	0	0	0	7	0	0	0	0	0	7
15	10	0	1	0	0	2	76	7	10	0	0	0	96
15	11	0	0	0	0	1	23	3	1	0	0	0	28
15	12	0	0	0	0	0	7	0	0	0	0	0	7
15	13	0	1	0	0	0	6	0	1	0	0	0	8
15	14	0	21	0	1	57	107	3	0	0	0	0	189
15	20	0	0	0	0	0	1	0	0	0	0	0	1
15	25	0	0	0	0	0	6	0	0	0	0	0	6

Station No. 15 (Contd.)

25	15	0	0	0	0	0	4	0	0	0	0	0	4
25	16	0	0	0	0	0	10	0	0	0	0	0	10
25	20	0	0	0	0	0	6	0	0	0	0	0	6
25	21	0	0	0	0	0	1	0	0	0	0	0	1
25	22	0	0	0	0	0	13	0	0	0	0	0	13
25	23	0	2	0	0	0	49	3	0	0	0	0	54
25	24	0	0	0	0	0	18	0	0	0	0	0	18
TOTAL:		40	363	92	148	300	3376	244	332	19	1	22	4937

Appendix VI-C (Contd.)

STATION NO 16

Location: 1KM from T.H.Panah towards Alipur.

Date: 01/02/88

NO OF VEHICLES													
ORG	DEST	H/CY	CAR	LCV	MGN	BUS	TRU	3XL	4XL	5XL	OTR	DVH	TOTAL
1	10	0	0	0	0	3	26	0	1	0	0	0	30
1	11	0	0	0	0	0	11	0	0	0	0	0	11
1	12	0	0	0	0	0	0	0	0	0	0	0	0
1	13	0	0	0	0	0	0	0	0	0	0	0	0
1	14	0	0	0	0	0	8	0	0	0	0	0	8
1	15	0	0	0	0	0	3	1	0	0	0	0	4
1	25	0	0	0	0	0	0	1	0	0	0	0	1
2	10	0	0	0	0	2	4	0	0	0	0	0	6
2	11	0	0	0	0	0	0	0	0	0	0	0	0
2	12	0	0	0	0	0	1	0	0	0	0	0	1
2	15	0	0	0	0	0	0	0	0	0	0	0	0
3	8	0	0	0	0	0	0	0	0	0	0	0	0
3	10	0	0	0	0	10	3	0	0	0	0	0	13
3	11	0	0	0	0	0	3	0	0	0	0	0	3
3	15	0	0	2	0	0	2	1	0	0	0	0	5
3	22	0	0	0	0	0	1	0	0	0	0	0	1
4	10	0	1	0	0	1	5	1	0	0	0	0	8
4	11	0	0	0	0	0	0	0	0	0	0	0	0
4	14	0	0	0	0	0	0	0	0	0	0	0	0
5	10	0	0	0	0	0	2	0	0	0	0	0	2
5	11	0	0	0	0	0	3	3	0	0	0	0	6
6	15	0	1	0	0	0	0	0	0	0	0	0	1
7	1	0	0	0	0	0	0	1	0	0	0	0	1
7	16	0	0	0	0	0	2	0	0	0	0	0	2
7	22	0	0	0	0	0	0	1	0	0	0	0	1
7	23	0	0	0	0	0	0	0	0	0	0	0	0
8	1	0	1	0	0	2	2	0	0	0	0	0	5
8	3	0	0	0	0	0	0	8	0	0	0	0	8
8	16	0	0	0	0	0	2	0	0	0	0	0	2
8	22	0	0	0	0	0	3	0	0	0	0	0	3
9	16	0	0	0	0	0	0	0	0	0	0	0	0
10	1	0	12	0	0	3	41	6	0	0	0	0	62
10	2	0	4	5	0	6	2	7	1	0	0	0	25
10	3	0	1	0	1	6	3	0	0	0	0	0	11
10	4	0	6	0	0	2	0	0	2	0	0	0	21
10	5	0	0	0	0	0	2	0	3	1	0	0	6
10	16	0	0	0	0	1	26	3	6	1	0	0	37
10	17	0	0	0	0	1	1	0	0	0	0	0	2
10	18	0	0	0	0	0	3	0	0	0	0	0	3
10	19	0	0	0	0	0	6	3	2	0	0	0	11
10	20	0	0	0	0	2	35	4	13	0	0	0	54
10	21	0	0	1	0	6	0	0	2	0	0	0	9
10	22	0	1	0	0	0	29	3	1	0	0	11	45
10	23	0	0	0	0	1	17	10	3	0	0	0	31
10	24	0	0	0	0	0	1	0	0	0	0	0	1
11	1	0	0	0	0	0	33	2	0	0	0	0	35
11	2	0	0	0	0	0	5	3	0	0	0	0	8
11	3	0	0	0	0	0	4	2	0	0	0	0	6
11	4	0	0	0	0	0	1	0	0	0	0	0	1
11	5	0	0	0	0	0	2	0	0	0	0	0	2

STATION NO 18

Location: ZKH from Fateh Pur towards Dhakkar.

Date: 01/02/88

NO OF VEHICLES													
ORG	DEST	H/CY	CAR	LCV	WGN	BUS	TRU	3XL	4XL	5XL	BTR	OVH	TOTAL
1	8	0	0	0	0	0	1	0	0	0	0	0	1
1	10	0	0	3	0	7	34	4	0	0	0	0	48
1	11	0	0	0	0	0	8	1	0	0	0	0	9
1	14	0	0	0	0	0	5	0	0	0	0	0	5
1	16	0	1	0	0	0	41	39	0	0	0	0	81
1	17	0	0	0	0	0	3	0	0	0	0	0	3
1	24	0	0	0	0	0	1	1	0	0	0	0	2
2	10	0	0	0	1	1	1	0	0	0	0	0	1
2	16	0	0	0	0	0	4	9	0	0	0	0	13
2	17	0	1	0	0	0	4	0	0	0	0	0	4
3	10	0	0	0	0	1	11	2	0	0	0	0	14
3	11	0	0	0	0	0	3	0	0	0	0	0	3
3	16	0	1	3	0	4	22	18	0	0	0	0	48
3	17	0	1	0	0	0	5	1	0	0	0	0	7
3	24	0	1	0	0	0	0	0	0	0	0	0	1
4	5	0	0	6	0	0	1	0	2	0	0	0	9
4	10	0	0	0	0	1	3	0	0	0	0	0	4
4	15	0	0	3	0	0	1	0	0	0	0	0	4
4	16	0	10	0	19	4	10	2	0	0	0	0	45
4	17	0	2	3	0	0	9	0	0	0	0	0	14
4	19	0	0	0	1	0	0	0	0	0	0	0	1
4	22	0	0	0	0	3	0	0	0	0	0	0	3
4	24	0	1	3	0	0	0	0	0	0	0	0	4
5	3	0	0	0	0	0	1	0	0	0	0	0	1
5	4	0	1	0	0	0	0	0	1	0	0	0	2
5	5	0	0	0	0	0	0	0	0	0	0	0	0
5	16	0	0	0	3	0	0	0	0	0	0	0	3
7	1	0	0	0	0	0	0	0	0	0	0	0	0
7	3	0	0	0	0	0	1	0	0	0	0	0	1
8	1	0	0	0	0	0	0	1	0	0	0	0	1
8	20	0	0	0	0	0	1	0	0	0	0	0	1
10	1	0	2	6	1	8	31	9	0	0	0	0	57
10	2	0	1	6	0	3	3	0	0	0	0	0	13
10	3	0	2	3	0	2	4	0	0	0	0	0	11
10	4	0	0	3	0	0	2	0	0	0	0	71	76
10	16	0	0	0	0	0	0	1	0	0	0	0	1
10	18	0	0	0	0	1	1	0	0	0	0	0	2
10	19	0	2	0	0	0	2	4	0	0	0	0	6
10	20	0	2	6	0	2	46	5	5	0	0	0	66
10	21	0	0	0	0	8	0	1	1	0	0	0	10
11	1	0	0	0	1	0	37	1	0	0	0	0	39
11	2	0	1	0	0	0	7	0	0	0	0	0	8
11	3	0	0	0	0	0	10	2	0	0	0	0	12
11	4	0	0	0	0	0	0	1	0	0	0	0	1
11	18	0	0	0	0	0	1	0	0	0	0	0	1
11	20	0	1	3	0	0	22	0	0	0	0	0	26
11	21	0	0	0	0	0	4	0	0	0	0	0	4
12	1	0	0	0	0	0	2	0	0	0	0	0	2
12	20	0	0	0	0	0	1	0	0	0	0	0	1

105
Station No. 18 (Contd.)

Appendix VI-C (Contd.)

22	5	0	0	0	0	0	1	0	0	0	0	0	1
22	10	0	0	0	0	0	2	2	0	0	0	0	4
22	11	0	0	0	0	0	1	0	0	0	0	0	1
22	16	0	0	0	0	0	2	0	0	0	0	0	2
22	17	0	4	0	0	0	3	0	1	0	0	0	8
23	16	0	0	0	0	1	0	0	0	0	0	0	1
23	17	0	0	0	0	4	0	0	0	0	1	0	4
24	3	0	1	0	0	0	5	3	0	0	0	0	9
24	4	0	0	0	0	0	1	0	0	0	0	0	1
24	18	0	1	0	0	0	1	0	0	0	0	0	2
24	20	0	0	0	0	0	10	0	0	0	0	0	10
24	21	0	0	0	0	0	3	0	0	0	0	0	3
25	1	0	0	0	0	0	7	0	0	0	0	0	7
25	3	0	0	0	0	0	0	1	0	0	0	0	1
25	20	0	1	6	1	0	7	2	1	3	0	0	21
25	21	0	0	0	0	0	1	0	0	0	0	0	1
26	20	0	0	0	0	0	0	0	1	0	0	0	1
TOTAL:		149	134	196	153	209	867	186	24	3	0	71	1932

STATION NO 19

Location: 2KM from Kalarbat towards Kundian

Date: 01/02/88

NO OF VEHICLES													
ORG	DEST	M/CY	CAR	LCV	MGN	BUS	TRU	3XL	4XL	5XL	OTR	DVH	TOTAL
3	19	0	0	0	0	0	1	0	0	0	0	0	1
3	19	0	0	0	0	0	1	0	0	0	0	0	1
4	19	0	1	1	0	0	0	0	1	0	0	0	3
4	19	0	0	0	0	0	1	0	0	0	0	0	1
16	3	0	0	0	0	0	1	0	0	0	0	0	1
18	4	0	2	1	0	0	0	0	0	0	0	0	3
18	19	11	42	7	7	56	20	0	0	0	1	6	160
18	19	2	19	2	18	0	7	0	0	0	0	1	40
18	20	0	1	0	0	0	1	0	0	0	0	0	2
18	22	0	1	0	21	2	0	0	0	0	0	0	24
18	23	0	0	0	0	3	0	0	0	0	0	0	3
19	3	0	0	0	0	0	1	0	0	0	0	0	1
19	4	0	1	0	0	0	1	0	0	0	0	0	2
19	10	0	0	0	1	0	0	0	0	0	0	0	1
19	16	0	0	0	1	0	0	0	0	0	0	0	1
19	18	3	11	0	19	0	1	0	0	0	1	2	37
20	18	0	0	0	0	0	1	0	0	0	0	0	1
22	4	0	1	0	0	0	0	0	0	0	0	0	1
22	18	0	1	1	19	2	1	0	0	0	0	0	24
22	19	0	0	0	1	0	0	0	0	0	0	0	1
23	18	0	1	0	0	3	1	0	0	0	0	0	5
TOTAL:		16	73	12	87	76	39	0	1	0	2	9	313

NTRC, INDUS HIGHWAY FEASIBILITY STUDY TRAFFIC COUNT

Road Section: _____
 Location: _____
 Name of Enum: _____
 Date: _____ Time: From _____ To _____

DIRECTION I	Motor Cycle	Car/Jeeps	Suzuki LCV	Wagons Coasters	Buses	T r u c k s					Others	T o t a l
						2 Axle	3 Axle	4 Axle	5 Axle	Other		
1		2	3	4	5	6	7	8	9	10	11	12
SUB-TOTAL												
DIRECTION II												
SUB-TOTAL												
GRAND TOTAL												

Name of Enum: _____ Date: _____ Signature _____

INDUS HIGHWAY FEASIBILITY STUDY
TRAVEL SPEED SURVEY

Date: _____
Day: _____
Commencing Time: _____
Termination Time: _____

Location: _____ District: _____ Province: _____

Direction: From: _____ To: _____

Width of Pavement _____

Width of Shoulder left _____

Width of Shoulder Right _____

Broken Shoulder	Holes	Rutts	Curru- gation	Other (Specify)
--------------------	-------	-------	------------------	--------------------

(Road Condition)

S.No.	Type of Vehicle	Speed MPH
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		

S.No.	Type of Vehicle	Speed MPH
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		

S.No.	Type of Vehicle	Speed MPH
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

Name: _____

Sig. of Engr: _____

NAME OF DISTRICT AND CODE NUMBER

<u>NAME OF DISTRICT</u>	<u>CODE No.</u>	<u>NAME OF DISTRICT</u>	<u>CODE NO.</u>
PESHAWAR		GUJRANWALA DIVISION	
Mardan	111	Gujrat	241
Peshawar	112	Gujranwala	242
		Sialkot	243
KOHAT DIVISION		LAHORE DIVISION	
Karak	121	Sheikhupura	251
Kohat	122	Lahore	252
HAZARA DIVISION		Kasur	253
Abbottabad	131	Okara	254
Mansehra	132	MULTAN DIVISION	
Kohistan	133	Sahiwal	261
D. I. KHAN DIVISION		Khanewal	262
D. I. Khan	141	Vehari	263
Bannu	142	Multan	264
MALAKAND DIVISION		D. G. KHAN DIVISION	
Dir	151	Leiah	271
Chitral	152	Muzaffargarh	272
Swat	153	D. G. Khan	273
Malakand	154	Rajanpur	274
		BAHWALPUR DIVISION	
		Bahwalpur	281
RAWALPINDI DIVISION		Bahawalnagar	282
Attock	211	R. Y. Khan	283
Rawalpindi	212	SUKKUR DIVISION	
Chakwal	213	Jacobabad	311
Jhelum	214	Shikarpur	312
Islamabad	215	Larkana	313
SARGODHA DIVISION		Sukkur	314
Bhakkar	221	Khairpur	315
Mianwali	222	Nawabshah	316
Khushab	223	HYDERABAD DIVISION	
Sargodha	224	Hyderabad	321
FAISALABAD DIVISION		Dadu	322
Jhang	231	Tharparkar	323
T. T. Singh	232	Sanghar	324
Faisalabad	233	Thatta	325
		Badin	326

NAME OF DISTRICT AND CODE NUMBER

<u>NAME OF DISTRICT</u>	<u>CODE No.</u>	<u>NAME OF DISTRICT</u>	<u>CODE NO.</u>
PESHAWAR		GUJRANWALA DIVISION	
Mardan	111	Gujrat	241
Peshawar	112	Gujranwala	242
		Sialkot	243
KOHAT DIVISION		LAHORE DIVISION	
Karak	121	Sheikhupura	251
Kohat	122	Lahore	252
HAZARA DIVISION		Kasur	253
		Okara	254
Abbottabad	131	MULTAN DIVISION	
Mansehra	132		
Kohistan	133	Sahiwal	261
D. I. KHAN DIVISION		Khanewal	262
		Vehari	263
D. I. Khan	141	Multan	264
Bannu	142	D. G. KHAN DIVISION	
MALAKAND DIVISION			
		Leiah	271
Dir	151	Muzaffargarh	272
Chitral	152	D. G. Khan	273
Swat	153	Rajanpur	274
Malakand	154	BAHWALPUR DIVISION	
		Bahwalpur	281
RAWALPINDI DIVISION		Bahawalnagar	282
		R. Y. Khan	283
Attock	211	SUKKUR DIVISION	
Rawalpindi	212		
Chakwal	213	Jacobabad	311
Jhelum	214	Shikarpur	312
Islamabad	215	Larkana	313
SARGODHA DIVISION		Sukkur	314
		Khairpur	315
Bhakkar	221	Nawabshah	316
Mianwali	222	HYDERABAD DIVISION	
Khushab	223		
Sargodha	224	Hyderabad	321
FAISALABAD DIVISION		Dadu	322
		Tharparkar	323
Jhang	231	Sanghar	324
T. T. Singh	232	Thatta	325
Faisalabad	233	Badin	326

KARACHI DIVISION

Karachi	330
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OTHER COUNTRIES

QUETTA DIVISION

Quetta	411
Pishin	412
Loralai	413
Zhob	414
Chagai	415

Afghanistan	801
Iran	802
India	803

KALAT DIVISION

Kalat	421
Kharan	422
Lasbela	423
Khuzdar	424

SIBI DIVISION

Nasirabad	431
Sibi	432
Kachhi	433
Koholu	434
Dera Bughti	435

MEKRAN DIVISION

Panjgur	441
Turbat	442
Gawadar	443

NORTHERN AREAS

Gilgit	501
Skardu	502
Diamer	503

AZAD KASHMIR

Muzaffarabad	601
Mirpur	602
Kotli	603
Poonch	604

FATA

Khybar	701
Khurram	702
South Waziristan	703
North Waziristan	704
Bajaur & Mohmand	705

COMMODITY CODES USED FOR ORIGIN-DESTINATION SURVEY

<u>CODE</u>	<u>DESCRIPTION</u>
000	Empty
	<u>AGRICULTURE</u>
110	Wheat
120	Paddy and Rice
130	Maize
140	Other Grains and Pulses
150	Sugarcane
160	Cotton
170	Jute
180	Tobacco
185	Oil Seeds
190	Grass, Fodder, Bhoosa, Moonj Dry Spores, Straw
195	Other Agricultural Products
	<u>FOOD</u>
210	Flour and its preparations
220	Vegetables excluding Potatoes and Onion
230	Potatoes and Onion
240	Fruit
250	Industrial Raw food (oils)
260	Vegetable Ghec and refined edible oils (processed)
270	Sugar refined
280	Jaggery (Gur, Shakar, Desikhand)
290	Others
	<u>ANIMAL AND ANIMAL PRODUCTS</u>
310	Animals
320	Meats, eggs and dairy products
330	Hides and Skins
340	Wool raw
390	Other animal products
	<u>RAW MATERIAL</u>
410	Timber, logs, bamboos
420	Pulp, Waste paper and molasses, waste cotton
430	Scrap
440	Other ores except metallic
490	Other raw material
	<u>BULK MANUFACTURES</u>
510	Cement
520	Fertilizers
530	Medicine and Drugs
540	Chemicals
550	Tea, Cofee, etc.
560	Beverage (filled or unfilled)
570	Animal food, oilcake
580	Dried Milk
590	Other Bulk goods

BASIC MANUFACTURES.

610	Textile fibre
620	Textile manufactures
630	Jute manufactures, bags, etc.
640	Leather and leather products
650	Wood manufactures, fixtures, paints and other
660	Rubber Manufactures
670	Iron and Steel:- Billets, pipes, tubings girders, pigiron
680	Iron and Steel finished products and other metal products
685	Cement manufactures, concrete, slabs, sleepers
690	Bricks
695	Others

MISCELLANEOUS MANUFACTURES

710	Machinery other than electrical
720	Machinery electrical (non-domestic)
730	Domestic electrical appliances
735	Paper, Gatta, books and other paper products
740	Cycles and Autocycles
750	Tractor, Cars, Auto-rickshaw, Pickups, Wagons and other vehicles.
755	Spare parts
760	Cigarettes
770	General Merchandize
775	Soap, Detergent
777	Sports goods
780	Pottery and Mouldings, fire bricks (Plastic, earthen, china clay, glass ware products).
785	Ice
790	Cans, barrels, drums, tins, etc.
795	Others

MINING AND QUARRYING

810	Ballast, Gravel, Stone
820	Sand and Sand Silica
830	Lime Stone and Powder
840	Marble and its Granuals
850	Gypsum
860	Salt, Rock
870	China Clay
880	Earthen Clay
890	Other Metallic Ores
895	Other Mining and Quarrying

FUEL, LUBRICANTS (MINERALS)

910	Coal, Coke Briquette.
915	Eitumen, Pitchtar, Asphalt
920	Petrol
930	Diesel
935	Kerosine oil
940	Furnance oil
945	Lubricants
950	Gas, Products, cylinders
955	Fire Wood, Charcoal
960	Miscellaneous

MISCELLANEOUS GOODS NOT CLASSIFIED

991	Mails, Postal package, etc.
992	House-hold effects
993	Official stores
994	War firearm, Ammunition
995	Dead body
996	Military supply
999	Miscellaneous

ANNEXURES TO CHAPTER VII

TRAFFIC DISTRIBUTION

Traffic between Zone pairs observed at various survey stations
 Figures Adopted in O-D Matrix are marked as ADPT under Stn. Nos

S. NO.	O-D	CODE	ST. NO.	N/C	CAR	WAN	BUS	TRUCK	HXL	TOTAL
1.	PSH-KHT	1-2	2	27	822	778	313	603	19	2562
2.	PSH-BNU	1-3	2	0	155	195	48	96	12	506
	PSH-BNU	1-3	3	0	162	166	33	74	8	443
	PSH-BNU	1-3	ADPT	0	159	181	40	85	10	475
3.	PSH-DIK	1-4	2	0	27	30	29	33	3	122
	PSH-DIK	1-4	3	0	36	30	19	37	0	122
	PSH-DIK	1-4	ADPT	0	36	30	19	37	0	122
4.	PSH-DGK	1-5	2	0	0	0	0	2	0	2
	PSH-DGK	1-5	4	0	0	0	0	3	0	3
	PSH-DGK	1-5	6	0	0	1	0	3	1	5
	PSH-DGK	1-5	7	0	2	0	0	3	0	5
	PSH-DGK	1-5	ADPT	0	2	1	0	1	1	5
5.	PSH-SHK	1-7	1	0	3	0	0	0	0	3
	PSH-SHK	1-7	2	0	0	0	0	0	3	3
	PSH-SHK	1-7	9	0	0	0	0	0	4	4
	PSH-SHK	1-7	ADPT	0	3	0	0	0	7	10
6.	PSH-LAK	1-8	2	0	0	0	0	0	1	1
	PSH-LAK	1-8	7	0	0	0	0	2	0	2
	PSH-LAK	1-8	16	0	1	0	2	2	0	5
	PSH-LAK	1-8	ADPT	0	1	0	2	4	1	8
7.	PSH-DDU	1-9	11	0	0	0	0	2	0	2
	PSH-DDU	1-9	ADPT	0	0	0	0	2	0	2
8.	PSH-KAR	1-10	1	0	0	12	2	85	20	119
	PSH-KAR	1-10	2	0	0	3	22	44	4	75
	PSH-KAR	1-10	12	0	6	0	22	94	10	132
	PSH-KAR	1-10	13	0	11	0	16	100	0	127
	PSH-KAR	1-10	15	0	3	0	23	107	7	140
	PSH-KAR	1-10	ADPT	0	9	2	20	118	14	164
9.	PSH-HYD	1-11	1	0	0	0	0	19	7	26
	PSH-HYD	1-11	3	0	1	0	0	23	2	26
	PSH-HYD	1-11	13	0	0	0	0	63	3	66
	PSH-HYD	1-11	15	0	2	0	0	65	4	71
	PSH-HYD	1-11	ADPT	0	1	0	0	53	6	60
10.	PSH-NWB	1-12	5	0	0	0	0	1	0	2
	PSH-NWB	1-12	13	0	0	0	0	10	0	10
	PSH-NWB	1-12	16	0	0	0	0	3	0	3
	PSH-NWB	1-12	ADPT	0	0	0	0	7	0	7
11.	PSH-KHR	1-13	5	0	0	0	0	0	2	2
	PSH-KHR	1-13	ADPT	0	0	0	0	0	2	2

12.	PSH-SUK	1-14	15	0	0	0	0	9	0	9
	PSH-SUK	1-14	16	0	0	0	0	9	0	9
	PSH-SUK	1-14	ADPT	0	0	0	0	9	0	9
13.	PSH-RYK	1-15	1	0	0	0	0	2	0	2
	PSH-RYK	1-15	2	0	0	0	0	7	0	7
	PSH-RYK	1-15	16	0	0	0	0	3	1	4
	PSH-RYK	1-15	ADPT	0	0	0	0	12	1	13
14.	PSH-NZF	1-16	1	0	0	0	2	51	3	56
	PSH-NZF	1-16	2	0	0	0	0	62	31	93
	PSH-NZF	1-16	4	0	2	0	0	86	88	176
	PSH-NZF	1-16	19	0	2	0	0	94	72	168
	PSH-NZF	1-16	ADPT	0	1	0	1	80	64	164
15.	PSH-LYA	1-17	18	0	0	0	0	7	0	7
	PSH-LYA	1-17	ADPT	0	0	0	0	7	0	7
16.	PSH-BHK	1-18	5	0	0	0	0	2	1	3
	PSH-BHK	1-18	ADPT	0	0	0	0	2	1	3
17.	PSH-MNW	1-19	1	0	8	0	0	40	2	50
	PSH-MNW	1-19	2	0	0	3	0	6	0	9
	PSH-MNW	1-19	3	0	5	4	0	17	0	26
	PSH-MNW	1-19	ADPT	0	11	3	0	52	2	68
18.	PSH-RWP	1-20	1	129	1662	717	521	1433	49	4511
	PSH-RWP	1-20	ADPT	129	1662	717	521	1433	49	4511
19.	PSH-NZR	1-21	0	0	316	106	95	79	0	596
	PSH-NZR	1-21	ADPT	0	316	106	95	79	0	596
20.	PSH-FDB	1-22	1	0	20	0	63	221	5	309
	PSH-FDB	1-22	4	0	0	0	0	4	0	4
	PSH-FDB	1-22	ADPT	0	20	0	63	225	0	313
21.	PSH-LHR	1-23	1	0	163	247	182	549	61	1202
	PSH-LHR	1-23	ADPT	0	163	247	182	549	61	1202
22.	PSH-SWL	1-24	1	0	0	0	0	42	10	52
	PSH-SWL	1-24	3	0	0	0	0	2	0	2
	PSH-SWL	1-24	ADPT	0	0	0	0	44	10	54
23.	PSH-QTA	1-25	2	0	0	0	0	22	4	26
	PSH-QTA	1-25	3	0	10	0	4	47	14	75
	PSH-QTA	1-25	ADPT	0	10	0	4	69	18	101
24.	PSH-KLT	1-26	18	0	0	0	0	1	0	1
	PSH-KLT	1-26	ADPT	0	0	0	0	1	0	1
25.	KHT-BRU	2-3	3	0	100	55	31	83	5	274
	KHT-BRU	2-3	ADPT	0	100	55	31	83	5	274
26.	KHT-DIK	2-4	3	0	6	1	2	4	0	13
	KHT-DIK	2-4	4	0	10	1	0	16	6	33
	KHT-DIK	2-4	5	0	3	1	0	6	2	12
	KHT-DIK	2-4	ADPT	0	6	0	1	9	3	19

Appendix VII-A (Contd.)

27.	KHT-DGK	2-5	3	0	0	0	0	1	2	3
	KHT-DGK	2-5	ADPT	0	0	0	0	1	2	3
28.	KHT-RJN	2-6	3	0	0	0	0	1	0	1
	KHT-RJN	2-6	ADPT	0	0	0	0	1	0	1
29.	KHT-SHK	2-7	5	0	0	0	0	0	1	1
	KHT-SHK	2-7	ADPT	0	0	0	0	0	1	1
30.	KHT-LAK	2-8	4	0	0	0	0	2	0	2
	KHT-LAK	2-8	ADPT	0	0	0	0	2	0	2
31.	KHT-DDU	2-9	14	0	0	0	0	1	0	1
	KHT-DDU	2-9	ADPT	0	0	0	0	1	0	1
32.	KHT-KAR	2-10	3	0	0	0	6	10	2	18
	KHT-KAR	2-10	14	0	9	0	8	6	9	31
	KHT-KAR	2-10	ADPT	0	5	0	7	8	5	25
33.	KHT-HYD	2-11	2	0	0	0	0	1	0	1
	KHT-HYD	2-11	3	0	0	0	0	6	5	11
	KHT-HYD	2-11	ADPT	0	0	0	0	7	5	12
34.	KHT-NWB	2-12	13	0	2	0	0	0	0	2
	KHT-NWB	2-12	ADPT	0	2	0	0	0	0	2
35.	KHT-SUK	2-14	3	0	0	0	0	1	0	1
	KHT-SUK	2-14	4	0	0	0	0	1	0	1
	KHT-SUK	2-14	ADPT	0	0	0	0	2	0	2
36.	KHT-RYK	2-15	3	0	0	0	0	3	3	6
	KHT-RYK	2-15	4	0	0	0	0	3	6	9
	KHT-RYK	2-15	5	0	0	0	1	4	0	5
	KHT-RYK	2-15	ADPT	0	0	0	0	4	3	7
37.	KHT-NZF	2-16	3	0	1	0	0	15	14	30
	KHT-NZF	2-16	4	0	2	0	0	15	37	54
	KHT-NZF	2-16	5	0	4	0	0	11	19	34
	KHT-NZF	2-16	18	0	3	0	0	11	18	32
	KHT-NZF	2-16	ADPT	0	5	0	0	25	41	71
38.	KHT-LYA	2-17	5	0	0	0	0	8	0	8
	KHT-LYA	2-17	18	0	1	0	0	4	0	5
	KHT-LYA	2-17	ADPT	0	1	0	0	12	0	13
39.	KHT-BHK	2-18	4	0	0	0	0	7	0	7
	KHT-BHK	2-18	ADPT	0	0	0	0	7	0	7
40.	KHT-NRW	2-19	3	0	4	1	0	8	2	15
	KHT-NRW	2-19	ADPT	0	4	1	0	8	2	15
41.	KHT-RWP	2-20	1	0	3	0	0	4	3	10
	KHT-RWP	2-20	2	0	10	0	0	5	3	11
	KHT-RWP	2-20	ADPT	0	13	0	0	5	3	21

Appendix VII-A (Contd..)

42.	KHT-HZA	2-21	1	0	3	0	0	0	0	3
	KHT-HZA	2-21	2	0	2	0	0	0	0	2
	KHT-HZA	2-21	ADPT	0	5	0	0	0	0	5
43.	KHT-LHR	2-23	1	0	3	0	0	2	0	5
	KHT-LHR	2-23	ADPT	0	3	0	0	2	0	5
44.	KHT-SWL	2-24	4	0	0	0	0	1	9	10
	KHT-SWL	2-24	ADPT	0	0	0	0	1	9	10
45.	BNU-DTK	3-4	4	18	238	149	83	191	21	700
	BNU-DTK	3-4	ADPT	18	238	149	83	191	21	700
46.	BNU-DGK	3-5	4	0	3	2	2	4	8	19
	BNU-DGK	3-5	7	0	0	0	2	3	8	13
	BNU-DGK	3-5	ADPT	0	1	1	2	3	8	15
47.	BNU-RJN	3-6	8	0	0	0	1	0	0	1
	BNU-RJN	3-6	ADPT	0	0	0	1	0	0	1
48.	BNU-SHK	3-7	18	0	0	0	0	1	0	1
	BNU-SHK	3-7	ADPT	0	0	0	0	1	0	1
49.	BNU-LAK	3-8	16	0	0	0	0	0	8	8
	BNU-LAK	3-8	ADPT	0	0	0	0	0	8	8
50.	BNU-DDU	3-9	4	0	2	0	0	0	0	2
	BNU-DDU	3-9	ADPT	0	2	0	0	0	0	2
51.	BNU-KAR	3-10	4	0	17	0	18	13	7	55
	BNU-KAR	3-10	12	0	2	1	24	14	1	42
	BNU-KAR	3-10	ADPT	0	10	1	21	13	4	49
52.	BNU-HYD	3-11	4	0	0	0	0	17	4	21
	BNU-HYD	3-11	13	0	0	0	0	14	1	15
	BNU-HYD	3-11	ADPT	0	0	0	0	15	3	18
53.	BNU-SUK	3-14	5	0	1	0	0	0	0	1
	BNU-SUK	3-14	ADPT	0	1	0	0	0	0	1
54.	BNU-RYK	3-15	5	0	0	0	0	3	1	4
	BNU-RYK	3-15	ADPT	0	0	0	0	3	1	4
55.	BNU-MZF	3-16	4	0	6	0	7	37	33	83
	BNU-MZF	3-16	5	0	12	0	7	52	48	119
	BNU-MZF	3-16	18	0	8	1	8	46	32	95
	BNU-MZF	3-16	ADPT	0	9	0	7	45	38	99
56.	BNU-LYA	3-17	4	0	0	0	0	11	0	11
	BNU-LYA	3-17	5	0	0	0	0	10	0	10
	BNU-LYA	3-17	18	0	2	0	0	8	1	11
	BNU-LYA	3-17	ADPT	0	0	0	0	11	0	11

Appendix VII-A (Contd.)

57.	BNU-BHK	3-18	4	0	2	3	0	40	0	45
	BNU-BHX	3-18	5	0	5	0	0	46	1	52
	BNU-BHK	3-18	ADPT	0	4	1	0	43	0	48
58.	BNU-BNH	3-19	4	0	33	5	48	128	7	224
	BNU-BNH	3-19	ADPT	0	33	5	48	128	7	224
59.	BNU-BWP	3-20	3	0	27	30	5	21	0	83
	BNU-BWP	3-20	ADPT	0	27	30	5	21	0	83
60.	BNU-HZA	3-21	1	0	3	0	0	0	0	3
	BNU-HZA	3-21	2	0	2	0	0	0	0	2
	BNU-HZA	3-21	ADPT	0	5	0	0	0	0	5
61.	BNU-FBD	3-22	4	0	17	45	11	109	9	191
	BNU-FBD	3-22	ADPT	0	17	45	11	109	9	191
62.	BNU-LHR	3-23	1	0	5	0	0	0	0	6
	BNU-LHR	3-23	4	0	2	5	11	15	0	33
	BNU-LHR	3-23	ADPT	0	8	5	11	15	0	39
63.	BNU-SWL	3-24	4	0	0	0	0	2	16	18
	BNU-SWL	3-24	5	0	1	1	0	2	23	27
	BNU-SWL	3-24	18	0	2	0	0	5	3	10
	BNU-SWL	3-24	ADPT	0	1	1	0	2	19	23
64.	BNU-QTA	3-25	4	0	0	0	7	15	0	22
	BNU-QTA	3-25	ADPT	0	0	0	7	15	0	22
65.	BNU-KLT	3-26	4	0	0	0	0	1	0	1
	BNU-KLT	3-26	ADPT	0	0	0	0	1	0	1
66.	DIK-DGK	4-5	6	1	4	0	3	3	3	14
	DIK-DGK	4-5	7	0	4	0	1	3	3	11
	DIK-DGK	4-5	18	0	7	0	0	1	3	11
	DIK-DGK	4-5	ADPT	0	5	0	2	2	3	12
67.	DIK-SHK	4-7	7	0	1	0	0	0	0	1
	DIK-SHK	4-7	8	0	1	0	0	0	0	1
	DIK-SHK	4-7	ADPT	0	1	0	0	0	0	1
68.	DIK-DBU	4-9	14	0	0	0	0	1	0	1
	DIK-DBU	4-9	ADPT	0	0	0	0	1	0	1
69.	DIK-KAR	4-10	16	0	7	0	3	5	14	29
	DIK-KAR	4-10	18	0	3	0	1	5	71	80
	DIK-KAR	4-10	ADPT	0	5	0	2	5	43	55
70.	DIK-HYD	4-11	13	0	0	0	0	7	0	7
	DIK-HYD	4-11	ADPT	0	0	0	0	7	0	7
71.	DIK-KHP	4-13	15	0	0	0	0	0	1	1
	DIK-KHP	4-13	ADPT	0	0	0	0	0	1	1

Appendix VII-A (Contd.)

72.	DIK-SUK	4-14	16	0	1	0	0	0	0	1
	DIK-SUK	4-14	ADPT	0	1	0	0	0	0	1
73.	DIK-RYK	4-15	17	0	0	0	0	1	0	1
	DIK-RYK	4-15	18	0	3	0	0	1	0	4
	DIK-RYK	4-15	ADPT	0	3	0	0	2	0	5
74.	DIK-HZF	4-16	18	0	14	39	9	26	3	91
	DIK-HZF	4-16	ADPT	0	14	39	9	26	3	91
75.	DIK-LYA	4-17	18	0	11	1	1	11	0	24
	DIK-LYA	4-17	ADPT	0	11	1	1	11	0	24
76.	DIK-BHK	4-18	19	0	5	0	0	0	1	6
	DIK-BHK	4-18	ADPT	0	5	0	0	0	1	6
77.	DIK-MNW	4-19	19	0	1	0	0	2	0	3
	DIK-MNW	4-19	ADPT	0	1	0	0	2	0	3
78.	DIK-RWP	4-20	4	0	10	0	0	0	0	10
	DIK-RWP	4-20	ADPT	0	10	0	0	0	0	10
79.	DIK-HZR	4-21	4	0	5	0	0	0	0	5
	DIK-HZR	4-21	ADPT	0	5	0	0	0	0	5
80.	DIK-FBD	4-22	18	0	6	0	3	0	0	9
	DIK-FBD	4-22	ADPT	0	6	0	3	0	0	9
81.	DIK-LHR	4-23	5	0	1	0	0	0	0	1
	DIK-LHR	4-23	ADPT	0	1	0	0	0	0	1
82.	DIK-SWL	4-24	18	0	4	0	0	1	0	5
	DIK-SWL	4-24	ADPT	0	4	0	0	1	0	5
83.	DGK-RJH	5-6	8	4	47	169	48	11	2	281
84.	DGK-SHK	5-7	8	0	5	0	2	1	1	9
	DGK-SHK	5-7	9	0	9	0	0	2	1	3
	DGK-SHK	5-7	ADPT	0	3	0	1	1	1	6
85.	DGK-KAR	5-10	12	0	0	0	10	7	14	31
	DGK-KAR	5-10	13	0	0	0	6	31	0	37
	DGK-KAR	5-10	14	0	0	0	8	8	28	44
	DGK-KAR	5-10	15	0	2	0	9	13	10	34
	DGK-KAR	5-10	ADPT	0	0	0	10	14	10	34
86.	DGK-HYD	5-11	13	0	0	0	0	9	33	42
	DGK-HYD	5-11	14	0	0	0	0	8	2	42
	DGK-HYD	5-11	15	0	0	0	0	10	1	11
	DGK-HYD	5-11	16	0	0	0	0	5	3	8
	DGK-HYD	5-11	ADPT	0	0	0	0	8	10	18
87.	DGK-NWB	5-12	8	0	1	0	0	0	0	1
	DGK-NWB	5-12	15	0	0	0	0	0	1	1
	DGK-NWB	5-12	ADPT	0	0	0	0	0	1	1

Appendix VII-A (Contd.)

88.	DGK-KHF	5-13	15	0	0	0	0	0	1	1
	DGK-SKU	5-14	8	0	0	0	2	3	0	5
	DGK-SKU	5-14	15	0	0	0	2	2	0	4
	DGK-SKU	5-14	ADPT	0	0	0	2	3	0	5
89.	DGK-RYK	5-15	16	0	4	0	1	5	1	11
90.	DGK-HZF	5-16	7	6	70	44	4	86	4	214
	DGK-HZF	5-16	17	0	39	47	9	69	6	170
	DGK-HZF	5-16	ADPT	3	55	46	7	77	4	192
91.	DGK-LYH	5-17	7	4	12	0	15	16	0	47
	DGK-LYH	5-17	17	0	19	41	0	4	0	64
	DGK-LYH	5-17	ADPT	2	16	21	7	10	0	56
92.	DGK-BRK	5-18	7	2	0	0	0	0	0	2
93.	DGK-MNW	5-19	7	0	0	0	0	1	0	1
	DGK-MNW	5-19	10	0	0	0	0	1	0	1
	DGK-MNW	5-19	ADPT	0	0	0	0	2	0	2
94.	DGK-RWP	5-20	9	0	0	0	1	0	0	1
	DGK-RWP	5-20	18	0	0	0	0	2	0	2
	DGK-RWP	5-20	ADPT	0	0	0	1	2	0	3
95.	DGK-FBD	5-22	17	0	0	0	6	5	0	11
96.	DGK-LHR	5-23	7	0	1	0	0	1	0	2
97.	DGK-SWL	5-24	7	0	5	1	0	2	0	8
98.	DGK-DTA	5-25	7	0	4	0	0	2	0	6
99.	RJN-SHK	6-7	8	0	15	0	0	0	0	15
100.	RJN-DDU	6-9	8	0	1	0	0	0	0	1
101.	RJN-KAR	6-10	12	0	0	0	0	1	2	3
	RJN-KAR	6-10	15	0	2	0	0	1	0	3
	RJN-KAR	6-10	ADPT	0	2	0	0	2	2	6
102.	RJN-HYD	6-11	8	0	0	0	0	1	0	1
103.	RJN-NWB	6-12	8	0	0	0	0	3	0	3
104.	RJN-SKU	6-14	8	0	0	0	1	1	0	2
	RJN-SKU	6-14	15	0	0	0	0	1	0	1
	RJN-SKU	6-14	ADPT	0	0	0	1	2	0	3
105.	RJN-RYK	6-15	8	4	4	0	0	2	2	12
106.	RJN-HZF	6-16	8	0	10	11	33	11	0	65
107.	RJN-LYA	6-17	8	0	2	0	0	0	0	2

Appendix VII-A (Contd.)

108.	RJR-BHK	6-18	8	0	2	0	0	0	0	2
109.	RJR-FDD	6-22	8	0	0	0	0	1	0	1
110.	RJR-LHR	6-23	8	0	0	0	0	2	0	2
111.	RJR-SWL	6-24	8	0	2	0	0	0	0	2
112.	RJR-BTA	6-25	9	0	0	0	0	3	0	3
113.	SHK-LRK	7-8	9	0	3	1	0	1	0	5
114.	SHK-DBU	7-9	10	0	3	0	1	1	0	5
115.	SHK-KAR	7-10	9	0	1	0	0	3	0	4
	SHK-KAR	7-10	10	0	2	0	0	2	0	4
	SHK-KAR	7-10	12	0	9	1	1	50	7	68
	SHK-KAR	7-10	13	0	7	0	0	74	2	83
	SHK-KAR	7-10	14	0	7	0	1	78	5	91
	SHK-KAR	7-10	ADPT	0	10	1	1	71	5	88
116.	SHK-HYD	7-11	13	0	0	0	0	26	1	27
	SHK-HYD	7-11	14	0	14	0	3	23	1	41
	SHK-HYD	7-11	ADPT	0	7	0	2	24	1	34
117.	SHK-NWB	7-12	13	2	7	0	1	10	0	20
	SHK-NWB	7-12	14	0	17	0	0	15	0	32
	SHK-NWB	7-12	ADPT	1	12	0	1	12	0	26
118.	SHK-KHP	7-13	14	0	20	0	1	12	0	33
119.	SHK-SKU	7-14	9	0	70	53	10	23	0	156
	SHK-SKU	7-14	15	0	125	36	0	32	3	196
	SHK-SKU	7-14	ADPT	0	195	89	10	55	3	352
120.	SHK-RYK	7-15	9	32	9	1	0	6	3	51
121.	SHK-HZF	7-16	9	0	2	0	0	4	4	10
122.	SHK-LYA	7-17	8	0	0	0	0	0	1	1
123.	SHK-NHW	7-19	9	0	1	0	0	0	0	1
124.	SHK-RWP	7-20	8	0	0	1	0	1	0	2
	SHK-RWP	7-20	9	0	1	0	0	1	2	4
	SHK-RWP	7-20	ADPT	0	1	1	0	2	2	6
125.	SHK-HZR	7-21	18	0	0	0	0	1	0	1
126.	SHK-FDD	7-22	9	0	0	0	3	3	3	9
	SHK-FDD	7-22	15	0	0	0	0	5	0	5
	SHK-FDD	7-22	16	0	0	0	0	0	1	1
	SHK-FDD	7-22	ADPT	0	0	0	2	6	4	12

Appendix VII-A (Contd.)

127.	SHK-LHR	7-23	9	0	1	0	0	4	1	6
	SHK-LHR	7-23	15	0	1	0	0	5	0	6
	SHK-LHR	7-23	ADPT	0	2	0	0	9	1	12
128.	SHK-SWL	7-24	9	0	4	0	1	11	2	18
	SHK-SWL	7-24	15	0	0	0	0	2	0	2
	SHK-SWL	7-24	ADPT	0	4	0	1	13	2	20
129.	SHK-QTA	7-25	9	0	8	0	1	31	2	32
130.	LAK-DBU	8-9	10	0	47	48	49	26	23	193
131.	LAK-KAR	8-10	11	8	24	0	15	98	116	259
	LAK-KAR	8-10	12	0	16	0	20	89	115	240
	LAK-KAR	8-10	ADPT	8	16	0	17	94	115	250
132.	LAK-HYD	8-11	10	0	16	1	14	35	6	72
	LAK-HYD	8-11	11	0	13	9	13	43	7	85
	LAK-HYD	8-11	13	128	7	4	25	14	2	187
	LAK-HYD	8-11	ADPT	128	22	9	39	53	8	259
133.	LAK-NWB	8-12	13	2	2	0	0	0	0	12
	LAK-NWB	8-12	14	0	11	0	1	1	0	13
	LAK-NWB	8-12	ADPT	1	7	0	0	4	0	12
134.	LAK-KHP	8-13	14	0	18	0	1	3	0	22
135.	LAK-SKU	8-14	10	0	6	0	4	42	0	52
136.	LAK-RYK	8-15	15	0	0	0	0	11	0	11
137.	LAK-NZF	8-16	15	0	0	0	0	16	0	16
138.	LAK-LYA	8-17	15	0	0	0	0	1	0	1
139.	LAK-RWP	8-20	8	0	0	0	0	0	3	3
140.	LAK-FBD	8-22	9	0	0	0	0	3	2	5
	LAK-FBD	8-22	15	0	0	0	0	3	0	3
	LAK-FBD	8-22	16	0	0	0	0	3	0	3
	LAK-FBD	8-22	ADPT	0	0	0	0	6	2	8
141.	LAK-LHR	8-23	15	0	2	0	0	9	1	12
142.	LAK-SWL	8-24	15	0	0	0	0	6	0	6
143.	LAK-QTA	8-25	10	0	2	2	0	2	0	6
144.	DBU-KAR	9-10	12	0	121	7	7	146	27	308
145.	DBU-HYD	9-11	11	0	115	106	47	57	0	325
146.	DBU-NWB	9-12	11	0	4	1	0	5	0	10
	DBU-NWB	9-12	13	5	9	1	0	11	0	26
	DBU-NWB	9-12	ADPT	5	13	2	0	16	0	36

Appendix VII-A (Contd.)

147.	DDU-KHP	9-13	14	0	7	0	0	0	0	7
148.	DDU-SKU	9-14	10	0	5	0	9	8	0	22
	DDU-SKU	9-14	14	0	12	1	0	15	0	28
	DDU-SKU	9-14	ADPT	0	17	1	9	23	0	50
149.	DDU-RYK	9-15	11	0	0	0	0	3	0	3
	DDU-RYK	9-15	13	0	0	0	0	3	0	3
	DDU-RYK	9-15	14	0	0	0	0	1	2	3
	DDU-RYK	9-15	ADPT	0	0	0	0	7	2	9
150.	DDU-HZF	9-16	14	0	0	0	1	0	2	3
151.	DDU-RWP	9-20	13	0	7	0	0	0	0	7
152.	DDU-LHR	9-23	10	0	0	0	0	9	0	9
	DDU-LHR	9-23	15	0	0	0	0	4	0	4
	DDU-LHR	9-23	ADPT	0	0	0	0	13	0	13
153.	DDU-SWL	9-24	13	0	0	0	0	2	0	2
	DDU-SWL	9-24	14	0	1	0	0	1	1	3
	DDU-SWL	9-24	ADPT	0	1	0	0	3	1	5
154.	DDU-BTA	9-25	10	0	3	0	0	1	0	4
155.	KAR-HYD	10-11	12	19	1319	68	464	1276	26	3122
156.	KAR-NWB	10-12	12	0	81	0	11	209	7	314
157.	KAR-KHP	10-13	12	0	15	0	0	45	47	107
	KAR-KHP	10-13	13	0	17	0	0	77	0	96
	KAR-KHP	10-13	ADPT	0	16	0	0	62	24	102
158.	KAR-SKU	10-14	12	0	51	9	49	268	40	417
	KAR-SKU	10-14	13	0	26	2	33	370	3	434
	KAR-SKU	10-14	ADPT	0	38	6	41	319	21	425
159.	KAR-RYK	10-15	11	0	0	0	0	0	51	51
	KAR-RYK	10-15	13	0	9	0	6	91	0	106
	KAR-RYK	10-15	14	0	5	0	2	57	16	80
	KAR-RYK	10-15	15	0	6	0	4	114	35	159
	KAR-RYK	10-15	ADPT	0	7	0	4	111	30	152
160.	KAR-HZF	10-16	11	0	0	0	0	3	46	49
	KAR-HZF	10-16	12	0	2	3	5	119	62	191
	KAR-HZF	10-16	13	0	5	0	6	209	0	220
	KAR-HZF	10-16	14	0	0	1	4	90	34	129
	KAR-HZF	10-16	15	0	5	0	4	148	76	233
	KAR-HZF	10-16	ADPT	0	4	1	5	162	59	231
161.	KAR-LYA	10-17	13	0	0	0	22	0	0	22

Appendix VII-A (Contd.)

162.	KAR-BHK	10-18	12	0	0	0	0	12	1	13
	KAR-BHK	10-18	13	0	0	0	0	13	0	13
	KAR-BHK	10-18	18	0	0	0	1	12	0	13
	KAR-BHK	10-18	ADPT	0	0	0	1	11	1	13
163.	KAR-MNW	10-19	15	0	1	0	3	26	15	46
	KAR-MNW	10-19	16	0	0	0	3	18	12	33
	KAR-MNW	10-19	ADPT	0	0	0	2	22	14	38
164.	KAR-RWP	10-20	12	0	5	0	1	90	36	122
	KAR-RWP	10-20	13	0	9	2	2	119	0	132
	KAR-RWP	10-20	ADPT	0	7	1	2	99	18	127
165.	KAR-HZR	10-21	14	0	0	0	12	13	1	26
	KAR-HZR	10-21	15	0	1	0	11	16	1	29
	KAR-HZR	10-21	ADPT	0	1	0	11	14	1	27
166.	KAR-FBD	10-22	11	0	0	1	0	2	61	64
	KAR-FBD	10-22	12	0	5	1	0	190	71	267
	KAR-FBD	10-22	13	0	4	0	2	251	0	257
	KAR-FBD	10-22	ADPT	0	5	1	1	221	66	294
167.	KAR-LHR	10-23	11	0	0	1	0	3	163	167
	KAR-LHR	10-23	12	0	15	4	6	330	214	569
	KAR-LHR	10-23	13	0	10	2	4	454	1	471
	KAR-LHR	10-23	14	0	6	0	3	245	112	366
	KAR-LHR	10-23	15	0	11	1	5	415	202	634
	KAR-LHR	10-23	ADPT	0	12	3	5	352	241	613
168.	KAR-SWL	10-24	11	0	1	0	0	16	23	40
	KAR-SWL	10-24	13	0	8	2	1	216	2	229
	KAR-SWL	10-24	14	0	7	0	0	99	37	143
	KAR-SWL	10-24	15	0	1	1	1	165	76	244
	KAR-SWL	10-24	ADPT	0	7	1	0	160	77	245
169.	KAR-QTA	10-25	11	0	4	0	0	18	2	24
	KAR-QTA	10-25	13	0	3	0	0	57	0	70
	KAR-QTA	10-25	14	0	3	0	0	28	0	31
	KAR-QTA	10-25	ADPT	0	7	0	0	65	2	74
170.	HYD-NWR	11-12	13	0	150	3	11	115	1	280
171.	HYD-KHP	11-13	13	0	31	2	1	19	1	54
	HYD-KHP	11-13	14	0	43	3	0	40	0	86
	HYD-KHP	11-13	ADPT	0	37	2	1	30	0	70
172.	HYD-SKU	11-14	13	0	60	37	78	154	1	330
	HYD-SKU	11-14	14	0	49	45	69	135	6	303
	HYD-SKU	11-14	ADPT	0	58	41	72	144	2	317
173.	HYD-RYK	11-15	13	0	2	0	1	76	5	84
	HYD-RYK	11-15	14	0	1	0	0	54	3	58
	HYD-RYK	11-15	15	0	1	0	1	73	6	81
	HYD-RYK	11-15	ADPT	0	1	0	0	68	5	74

Appendix VII-A (Contd.)

174.	HYD-MZF	11-16	13	0	0	0	0	142	1	143
	HYD-MZF	11-16	14	0	1	0	2	109	5	117
	HYD-MZF	11-16	15	0	2	0	1	103	1	107
	HYD-MZF	11-16	ADPT	0	1	0	1	118	2	122
175.	HYD-LYA	11-17	13	0	0	0	0	11	0	11
	HYD-LYA	11-17	17	0	0	0	0	1	6	1
	HYD-LYA	11-17	ADPT	0	0	0	0	6	0	6
176.	HYD-BHK	11-18	13	0	0	0	0	4	1	5
	HYD-BHK	11-18	15	0	0	0	0	10	0	10
	HYD-BHK	11-18	18	0	0	0	0	3	0	3
	HYD-BHK	11-18	ADPT	0	0	0	0	5	1	6
177.	HYD-MNW	11-19	13	0	0	0	0	8	0	8
	HYD-MNW	11-19	14	0	0	0	0	3	0	3
	HYD-MNW	11-19	ADPT	0	0	0	0	6	0	6
178.	HYD-RWP	11-20	13	0	0	0	0	47	2	49
	HYD-RWP	11-20	14	0	0	0	1	49	1	51
	HYD-RWP	11-20	15	0	1	0	0	53	0	54
	HYD-RWP	11-20	ADPT	0	0	0	0	50	1	51
179.	HYD-HZR	11-21	15	0	1	0	0	7	0	8
180.	HYD-FBD	11-22	13	0	0	0	0	109	0	109
	HYD-FBD	11-22	14	0	0	0	0	75	2	77
	HYD-FBD	11-22	15	0	0	0	0	108	3	111
	HYD-FBD	11-22	ADPT	0	0	0	0	97	2	99
181.	HYD-LHR	11-23	13	0	4	0	1	281	4	290
	HYD-LHR	11-23	14	0	1	0	1	205	57	264
	HYD-LHR	11-23	15	0	1	0	0	257	19	277
	HYD-LHR	11-23	ADPT	0	2	0	0	248	27	277
182.	HYD-SWL	11-24	13	0	2	0	1	143	2	148
	HYD-SWL	11-24	14	0	8	0	0	103	4	115
	HYD-SWL	11-24	15	0	1	0	0	138	10	149
	HYD-SWL	11-24	ADPT	0	4	0	0	128	5	137
183.	HYD-QTA	11-25	13	0	0	0	0	24	0	24
	HYD-QTA	11-25	14	0	1	0	1	17	0	19
	HYD-QTA	11-25	ADPT	0	1	1	0	20	0	22
184.	NWB-KHP	12-13	14	0	76	5	11	21	2	115
185.	NWB-SUK	12-14	14	0	112	98	29	123	4	386
186.	NWB-RYK	12-15	14	0	4	0	0	9	0	13
	NWB-RYK	12-15	15	0	1	0	1	9	0	11
	NWB-RYK	12-15	ADPT	0	3	0	0	9	0	12
187.	NWB-MZF	12-16	13	0	0	0	3	16	0	19
	NWB-MZF	12-16	14	0	0	0	0	21	4	25
	NWB-MZF	12-16	15	0	1	0	0	20	2	23
	NWB-MZF	12-16	ADPT	0	0	0	1	19	2	22

Appendix VII-A (Contd.)

188.	NWB-BHK	12-18	14	0	0	0	0	1	0	1
189.	NWP-RWP	12-20	15	0	0	0	0	8	0	8
190.	NWB-FBD	12-22	13	0	0	0	0	8	1	9
	NWB-FBD	12-22	14	0	0	0	0	17	1	18
	NWB-FBD	12-22	15	0	0	0	0	9	1	10
191.	NWB-LHR	12-23	13	0	0	0	0	22	0	22
	NWB-LHR	12-23	14	0	1	1	2	16	0	20
	NWB-LHR	12-23	15	0	0	0	0	25	0	25
	NWB-LHR	12-23	ADPT	0	0	0	1	21	0	22
192.	NWB-SWL	12-24	13	0	2	0	0	12	0	14
	NWB-SWL	12-24	14	0	0	0	0	13	0	13
	NWB-SWL	12-24	ADPT	0	1	0	0	12	0	13
193.	NWB-QTA	12-25	14	0	3	0	0	11	0	14
194.	KHP-SKB	13-14	14	0	163	180	14	168	4	529
195.	KHP-RYK	13-15	15	0	3	0	0	11	1	15
196.	KHP-MNW	13-19	15	0	0	0	0	0	0	0
197.	KHP-SWP	13-20	14	0	0	0	0	0	1	1
198.	KHP-FBD	13-22	14	0	0	0	1	1	0	2
	KHP-FBD	13-22	15	0	0	0	0	4	0	4
	KHP-FBD	13-22	ADPT	0	0	0	1	2	0	3
199.	KHP-LHR	13-23	14	0	0	1	0	4	0	5
	KHP-LHR	13-23	15	0	0	0	1	1	0	2
	KHP-LHR	13-23	ADPT	0	0	1	1	2	0	4
200.	KHP-SWL	13-24	15	0	2	0	0	2	0	4
201.	KHP-QTA	13-25	14	0	0	5	0	0	0	5
202.	SKU-RYE	14-15	15	0	45	5	116	229	5	400
203.	SKU-MIF	14-16	15	1	3	2	28	40	0	74
204.	SKU-LYA	14-17	16	0	0	0	0	3	0	3
205.	SKU-BHK	14-18	15	0	0	0	0	1	0	1
206.	SKU-MNW	14-19	16	0	1	1	1	1	0	4
207.	SKU-RWP	14-20	15	0	1	0	0	6	0	7
208.	SKU-BZR	14-21	16	0	0	0	0	0	1	1

Appendix VII-A (Contd.)

209.	SKU-FBD	14-22	15	0	1	0	0	32	0	33
210.	SKU-LHR	14-23	15	0	2	0	0	52	2	56
211.	SKU-SWL	14-24	15	0	6	1	2	59	0	68
212.	SKU-OTA	14-25	9	0	9	4	0	0	2	15
213.	RYK-MZF	15-16	16	0	38			57	3	204
214.	RYK-LYA	15-17	16	0	2	1	2	4	0	9
215.	RYK-BHK	15-18	16	0	0	0	0	4	2	6
	RYK-BHK	15-18	18	0	1	0	1	6	0	8
	RYK-BHK	15-18	ADPT	0	1	0	1	4	1	7
216.	RYK-MNW	15-19	16	0	1	0	0	3	1	5
	RYK-MNW	15-19	18	0	1	0	0	3	0	5
	RYK-MNW	15-19	ADPT	0	1	0	0	3	1	5
217.	RYK-RWP	15-20	16	0	0	0	0	23	1	24
	RYK-RWP	15-20	18	0	2	0	0	21	0	23
	RYK-RWP	15-20	ADPT	0	1	0	0	22	1	24
218.	RYK-HZR	15-21	16	0	0	0	0	3	0	3
	RYK-HZR	15-21	18	0	0	0	0	5	0	5
	RYK-HZR	15-21	ADPT	0	0	0	0	4	0	4
219.	RYK-FBD	15-22	16	0	0	0	1	5	2	8
	RYK-LHR	15-23	16	0	0	0	0	3	2	5
220.	RYK-SWL	15-24	16	35	30	6	76	20	0	167
221.	RYK-OTA	15-25	9	2	1	0	2	10	9	24
222.	MZF-LYA	16-17	17	0	58	160	52	108	38	416
223.	MZF-BHK	16-18	18	0	28	7	3	40	2	80
224.	MZF-MNW	16-19	18	0	7	71	108	47	3	228
225.	MZF-RWP	16-20	18	0	3	0	3	21	1	28
226.	MZF-HZR	16-21	19	0	0	0	0	2	0	2
227.	MZF-FBD	16-22	17	0	0	0	0	1	0	1
	MZF-FBD	16-22	18	0	0	0	0	2	0	2
	MZF-FBD	16-22	ADPT	0	0	0	0	3	0	3
228.	MZF-LHR	16-23	17	0	6	0	0	6	3	15
229.	MZF-SWL	16-24	17	0	1	1	0	3	1	6

Appendix VII-A (Contd.)

230.	HZF-QTA	16-25	9	0	0	0	0	15	1	16
	HZF-QTA	16-25	16	0	0	0	0	8	6	14
	HZF-QTA	16-25	ADPT	0	0	0	0	11	4	15
231.	LYA-BHK	17-18	18	0	42	5	7	29	0	83
232.	LYA-MNW	17-19	18	0	6	4	1	26	0	37
233.	LYA-RWP	17-20	18	0	4	0	0	12	0	16
234.	LYA-FBD	17-22	18	0	0	0	0	6	1	15
235.	LYA-LHR	17-23	18	0	0	0	8	1	0	9
236.	LYA-SWL	17-24	17	0	2	0	0	1	0	3
237.	LYA-QTA	17-25	8	0	0	0	0	1	0	1
	LYA-QTA	17-25	9	0	0	1	0	1	0	2
	LYA-QTA	17-25	17	0	0	0	0	1	0	1
	LYA-QTA	17-25	ADPT	0	0	1	0	3	0	4
238.	BHK-MNW	18-19	19	5	23	37	0	8	4	77
239.	BHK-RWP	18-20	19	0	1	0	0	2	0	3
240.	BHK-FBD	18-22	19	0	3	40	4	1	0	48
241.	BHK-LHR	18-23	19	0	1	0	6	1	0	8
242.	BHK-SWL	18-24	18	0	2	0	0	1	0	3
243.	BHK-KLT	18-26	3	0	0	0	0	1	0	1
244.	MNW-FBD	19-22	18	0	0	0	1	1	0	2
	MNW-FBD	19-22	19	0	0	1	0	0	0	1
	MNW-FBD	19-22	ADPT	0	0	1	1	1	0	3
245.	MNW-SWL	19-24	18	0	4	0	0	0	0	4
246.	RWP-SWL	20-24	18	0	0	0	0	12	0	12
247.	RWP-QTA	20-25	9	0	1	0	0	11	5	17
	RWP-QTA	20-25	18	0	7	1	0	8	6	22
	RWP-QTA	20-25	ADPT	0	4	1	0	10	5	20
248.	RWP-KLT	20-26	18	0	0	0	0	0	1	1
249.	HZR-SWL	21-24	18	0	0	0	0	3	0	3
250.	HZR-QTA	21-25	18	0	0	0	0	1	0	1

Appendix VII-A (Contd.)

251.	FBD-QTA	22-25	9	0	0	0	0	22	11	33
	FBD-QTA	22-25	15	0	1	0	0	19	0	20
	FBD-QTA	22-25	ADPT	0	1	0	0	41	11	53
252.	LHR-QTA	23-25	9	0	5	0	0	69	28	102
	LHR-QTA	23-25	15	0	4	0	1	63	3	71
	LHR-QTA	23-25	ADPT	0	9	0	1	132	31	173
253.	LHR-FLY	23-26	12	0	0	0	0	1	0	1
254.	SNL-QTA	24-25	9	0	0	0	0	16	4	20
	SNL-QTA	24-25	15	0	0	0	0	36	0	36
	SNL-QTA	24-25	ADPT	0	0	0	0	52	4	56