

# VIETNAM: TRANSPORT SECTOR MEASURES

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Basic Statistics		Unit	1980	1985	1990	1995	2000	2002	Year	Source	
Total population	million people		53,630	59,872	66,233	73,962	77,635	80,000	2002	NBS	
Urban population	million people		10,295	11,360	13,281	14,575	18,632		2002	NBS	
Rural population	million people		43,335	48,512	52,952	59,387	59,003		2002	NBS	
Number of households	thousand households								2002	NBS	
GDP (current prices)	million US\$				6,472,000	20,789,464	31,168,000	32,723,000	2002	WB	
Geographical & Land Characteristics			Terrain Type					2002	Year	Source	
Terrain Type Distribution			Mountains (&hills)	Plateaus	Basins	Plains					
Percentage of Terrain Type		% of land area					0%		2002	NBS	
Climatic Zones Distribution			Climate Zone				2002	Year	Source		
Percentage of Climatic Zones		% of land area	Humid Zone	Semi-Humid	Semi-Arid	Arid	0%		2002	NBS	
Area of Territory		thousand km <sup>2</sup>					331,041		2002	NBS	
Length of Coastline		km					3,260		2002	NBS	
Length of Boundaries		km					4,639		2002	CIA	
Road Network - Functional Classification (Administrative)			Roads & Highways					Total Roads & Highways	Year	Source	
			National or Interstate	Provincial or Regional	County or District	Village and Town or Local	Other or Special Purpose [*]				
[1]	Road Network Length	km	11,353	14,014	25,004	46,910	8,276	105,557	1992	MOC	
[1]	Road Network Length	km	15,121	17,449	36,372	46,910	93,207	209,059	1997	MOC	
[2]	Road Network Length	km	16,121	21,307	46,272		131,928	215,628	2000	MOC	
	Road Network Length	km					0	0	2002	MOC	
Road Network by Surface Type and Condition		km	15,121	17,449	36,372	46,910	93,207	209,059	1997	MOC	
	Length of Paved Roads	km	9,161	4,638	3,611	NA	NA	17,410	1997	MOC	
	Length of Gravel Roads	km	5,198	7,915	17,932	NA	NA	31,045	1997	MOC	
	Length of Earth Roads	km	762	4,896	14,829	NA	NA	20,487	1997	MOC	
[3]	Length of Paved Roads	km	14,491						2000	MOC	
	Length of Gravel Roads	km							2000	MOC	
	Length of Earth Roads	km	1,630						2000	MOC	
	Length in Good Condition	km							2000		
	Length in Regular (Fair) Condition	km							2000		
	Length in Poor Condition	km							2000		
Length of Transport Routes			1992	1994	1996	1997	2000	2002	Year	Source	
Total length of transport network		km	116,170	0	0	219,672	226,241	0			
[4]	Railway Length in Operation	km 1999*	2,600			2,600	2,600		VITRANSS	VITRANSS	
	Highways	km	105,557			209,059	215,628		VITRANSS	VITRANSS	
	Expressway	km									
[5]	Navigable Inland Waterways	km	8,013			8,013	8,013		VITRANSS	VITRANSS	
Airports					Hanoi		Ho Chi Minh City		2000	Year	Source
[6]	Number of Airports	number							47	2000	CIA
	Airports with unpaved runways	number							23	2000	CIA
	Airports with paved runways	number							24	2000	CIA
	Airports with paved runway length >1,524 m	number							11	2000	CIA
[7]	Number of Major International Airports	number							2	2002	ACI
	Aircraft Movements	number							22,462	2002	ACI
	Commercial Passengers	number							2,741,516	2002	ACI
	International Passengers	number							1,037,535	2002	ACI
	Domestic Passengers	number							1,703,981	2002	ACI
[8]	Cargo (Freight and Mail)	Metric Tons							57,663	2002	ACI
	International Freight	Metric Tons							19,684	2002	ACI
	Domestic Freight	Metric Tons							37,979	2002	ACI
Ports			1994	1995	1996	1997	1998	2000	Year	Source	
[9]	Number of Major Coastal Ports	number	8	8	8	8	8	8	2002	MOC	
	Length of Berths in Major Coastal Ports	meters						8,267	2002	MOC	
[10]	Volume of Freight Handled in Major Coastal Ports	Thousand Tons	11,864	14,488	15,436	15,067	17,227	7,192	2002	MOC	
[11]	Number of Major River Ports	number	14	21	13	19			2002	MOC	
	Volume of Freight Handled in Major River Ports	Thousand Tons	3,025	5,186	3,057	3,858			2002	NBS	
Vehicle Fleet Per Year			1990	1992	1994	1995	1996	2000	Year	Source	
	Cars (Passenger)	thousand	56,128	95,221	106,320	118,015	132,765			VRA	
	Buses (Passenger)	thousand	32,318	37,911	42,566	60,356	66,453			VRA	
	Trucks	thousand	163,284	161,044	174,412	186,796	201,368			VRA	
	Other	thousand								VRA	
	Total	thousand	251,730	294,176	323,298	365,167	400,586			VRA	
	Motorcycles	thousand			3,083,624		4,158,989			MOT	
	Total (including motorcycles)	thousand			3,406,922		4,559,575				
Road Accidents Statistics			1990	1992	1994	1995	1998	2000	Year	Source	
	Number of Accidents	number	5,565	8,910	13,118	15,376	19,975	22,500		MOC	
	Number of Fatalities	number	2,087	2,755	4,533	5,430	6,067	7,000		MOC	
	Number of Injuries	number	4,668	9,040	13,056	16,920	22,723	25,000		MOC	
Road User Charges			Transport Mode: Highways					2002	Year	Source	
Total road user charges		US\$ million								2002	MOC
Road user charges (Public)		US\$ million								2002	MOC
Road user charges (Private)		US\$ million								2002	MOC
Public Expenditure			Transport Mode: Highways					Year	Source		
Total Annual Public Expenditure Highways		US\$ million	1998	1999	2000	2001	2002		2002	MOC	
Capital Investment (New Const., Expans. & Reconst.)		US\$ million							2002		
Periodic Maintenance (Medium Repairs)		US\$ million									
Routine Maintenance		US\$ million							2002		
Public Expenditure Evolution			1993	1994	1995	1996	1997	2000	Year	Source	
Exchange Rate with US\$			10,641	10,962	11,010	11,080	11,900	14,100		MOC	
[13]	Total Annual Capital Public Expenditure	US\$ million	216	352	442	530	0	0		MOC	
	Railways	US\$ million	22	22	49	59	0	0		MOC	
	Highways	US\$ million	160	271	342	409	0	0		MOC	
	Waterways	US\$ million	12	12	21	25	0	0		MOC	
	Civil Aviation	US\$ million	4	25	13	23	0	0		MOC	
	Other	US\$ million	19	22	17	14	0	0		MOC	

- Notes:**
- Under the category of Special the Urban and Subdivision roads are included
  - Under the category of Special (5,896) the Urban (7,442) and Commune (118,590) roads are included
  - The gravel and earth roads are together under the same category
  - The length for waterways and railways for year 2000 have been assumed to be same for the years 1992 and 1997.
  - From the total waterways 8,013 km; the central government manages 6,231 and the local governments 1,782 km.
  - Waterways Class I: 1,797 km; Class II 1,206 km; Class III 3,288 km; and Class IV-VI 1,782 km. Class I Depth >3m; Class II depth 2-3 m; Class III 1.5-2 m
  - VITRANSS registered 135 airports/airstrips - CIA classified only 47
  - Total Number of Passengers include Transit Passengers for Ho Chi Minh City
  - Total Freight Cargo includes Mail for Ho Chi Minh City
  - The total berth length is 20,154 of which MOT 8,267; Province 2,288; Joint Venture 2,059; and Other Ministries 7,544.
  - Traffic in 8 Major Ports: Hai Phong, Saigon, Quang Ninh, Nghe An, Danang, Quy Nhon, Nha Trang, and Can Tho.
  - The total number of major IWW ports for which data on basic characteristics and annual cargo volume is available.
  - Source of National Traffic Accidents Statistics: Traffic Police. Data for 2000 estimates from OPUS TDSI Graph Report.
  - Source: Ministry of Finance WB: Vietnam Moving Forward

- Sources:**
- NBS - National Bureau of Statistics of China
  - MOC - Ministry of Communication of China
  - WB - World Bank - SIMA
  - ACI - Airports Council International - World Airport Traffic Report
  - CIA - Central Intelligence Agency - The World Fact Book