

PERFORMANCE and IMPACT INDICATORS for TRANSPORT in SENEGAL

Dimension	Mode	Indicator	Statistic
ACCESS			
	Rural	Rural Accessibility (% of total rural population living within 5 km of an all-season road)	62.5%
	Rural	Rural Motor Vehicle Ownership: Private Cars etc (% of rural households)	1.5%
	Rural	Rural Motorcycle Ownership (% of rural households)	2.3%
	Rural	Non-Motorized Road Vehicle Ownership: Bicycles (% of rural households)	11.3%
	Urban	Urban Motor Vehicle Ownership: Private Cars etc (% of urban households with at least one)	8.9%
	Urban	Urban Motorcycle Ownership (% of urban households)	4.4%
	Urban	Non-Motorized Road Vehicle Ownership: Bicycles (% of urban households)	6.2%
	Roads	Motorized Motor Vehicle Ownership: Private Cars etc (% of households with at least one)	4.8%
	Roads	Motorized Road Vehicle Ownership: Motorcycles (% of total households)	3.3%
	Roads	Non-Motorized Road Vehicle Ownership: Bicycles (% of total households)	9.1%
	Roads	Motor Vehicle Ownership (motor vehicles per 1,000 inh. excluding two-wheelers)	20.6
		(a) Dakar Region	60.9
		(b) Rest of Senegal	7.2
	Roads	Road Density: in terms of population (km/1,000 people)	1.49
	Roads	Road Network Coverage: in terms of land area (km/1,000 km ²)	74.3
	Urban	Urban Mobility: average distance to nearest transport stop for urban population (km)	NA
	Urban	Urban Mobility: time to nearest transport stop for urban population (%)	
		(a) Proportion of population at less than 30 minutes	92%
		(b) Proportion of population at more than 1 hour	4%
	Rural	Rural Mobility: average distance to nearest transport stop for rural population (km)	6
	Rural	Rural Mobility: time to nearest transport stop for rural population (%)	
		(a) Proportion of population at less than 30 minutes	54%
		(b) Proportion of population at more than 1 hour	34%
	Rail	Railway Density: in terms of population (route-km/1,000 people)	0.092
	Rail	Railway Coverage: in terms of land area (route-km/1,000 km ²)	4.61
	Air	Aircraft Departures (thousands per year)	3.4
AFFORDABILITY			
	Roads	Motor Vehicle Fuel Prices: Gasoline (Super) (US\$/ liter) - as of march 04	\$0.92
	Roads	Motor Vehicle Fuel Prices: Diesel Fuel (US\$/liter) - as of march 04	\$0.65
	All	Household Spending on Transport Services (% of household expenditure)	5.6%
	Urban	Urban Household Spending on Transport Services (% of household expenditure)	6.3%
	Rural	Rural Household Spending on Transport Services (% of household expenditure)	3.9%
	Roads	Road User Charge: total funds collected as share of total road expenditure (%)	334%
	Rail	Rail Passenger Tariff (US\$/passenger-km)	

Dimension	Mode	Indicator	Statistic
		(a) Long Distance	\$0.04
		(b) Urban and Suburban	\$0.01
	Rail	Rail Freight Tariff (US\$/tonne-km)	\$0.06
	Ports	Port Handling Cost (US\$/TEU)	\$270
	Ports	Cargo Handling Cost (US\$/ton)	NA
(*Perception*)			
	Rural	Travel Time by Rural Households (hours/day by rural household)	NA
	Urban	Travel Time by Urban Households (hours/day by urban household)	NA
	Urban	Travel Time to Work in Main Cities (minutes/one-way work trip in main cities)	NA
	Roads	Commercial Perception of Road Department/Public Works Services (from 1=very good to 6=very bad; a rating of 4=slightly bad)	3.8
	Rail	Commercial Perception of Railway Services (1=underdeveloped; 7=as extensive and efficient as the world's best)	1.5
	Ports	Commercial Perception of Port Facilities and Inland Waterways (1=underdeveloped; 7=as extensive and efficient as the world's best)	3.5
	Air	Commercial Perception of Air Transport Services (1=underdeveloped; 7=as extensive and efficient as the world's best)	4.3
	Ports	Cargo Handling Services: Market Openness	0
(*Technical			
	Roads	Paved Roads (% of total road network)	31.2%
	Roads	Road motor vehicle fatalities per vehicles (fatalities/10,000 vehicles)	42.7
	Roads	Road motor vehicle fatalities per population (fatalities/100,000 people)	7.8
	Roads	Roads in Fair/Good Condition (% of total road network)	28.1%
	Urban	Work Trips in Urban Areas by Mode (% of work trips by transport mode):	
		(a) Urban trips to work by bicycle, foot or other modes	44.8%
		(b) Urban trips to work by bus or minibus	45.5%
		(c) Urban trips to work by private motorized vehicle	9.3%
		(d) Urban trips to work by train-tram	0.4%
	All	Domestic Passenger Travel: Market Share (% of domestic passenger travel in passenger-km)	
		(a) Road Passenger share (% of domestic passenger travel in passenger-km)	>99%
		(b) Rail Passenger share (% of domestic passenger travel in passenger-km)	<0.5%
		(c) Air Passenger share (% of domestic passenger travel in passenger-km)	~0.1%
		(d) Waterway Passenger share (% of domestic passenger travel in passenger-km)	NS
	All	Domestic Freight Haulage: Market Share (% of domestic freight travel in ton-km)	
		(a) Road Freight share (% of domestic freight travel in ton-km)	>95%
		(b) Rail Freight share (% of domestic freight travel in ton-km)	~3%
		(c) Air Freight share (% of domestic freight travel in ton-km)	~0.0%

Dimension	Mode	Indicator	Statistic
		(d) Waterway Freight share (% of domestic freight travel in ton-km)	NA
	Rail	Railway Traffic Density (sum of passenger train-km and freight tonne-km/1000 route-km)	550
	Rail	Length of Multi-Tracked Rail Lines (% of total route-km)	7.7%
	Rail	Rail Service Frequency (passenger train-km/route-km per year)	below 150
	Ports	Seaport Traffic: Containers (1,000 TEU - twenty-foot equivalence unit)	136
	Ports	Seaport Traffic: General and Bulk Cargo (thousands of tons)	50
(*Cost*)			
	Ports	Shipping Costs: CIF (cost-insurance-freight)/FOB (free on board) ratio in terms of imports	NA
	Rail	Railway Employee Productivity: annual output per employee (traffic units/employee)	339
(*Economic*)			
	Roads	Road Transport System Technical Efficiency (US\$/km)	NA
FISCAL COST			
	Roads	Road Expenditure as Share of GDP (%)	1.1%
	Roads	External Funds as Share of Total Road Expenditure (%)	52%
	Roads	Road Maintenance Effectiveness: actual/required expenditure (%)	74.5%
AUTONOMY			
	Roads	Vehicle Expenditure: on Owning and Operating Vehicles per year (US\$)	NA
and			
	Roads	National Roads Boards (NRB) Exists and Reports (at least annually) (Y/N)	Y
	Roads	Private Sector Representatives form majority of NRB (Y/N)	N
	Roads	Main (National) Road Agency operating with Annual Report published (Y/N)	N
		(a) Annual Reports prepared	Y
		(b) Published	N
	Roads	Main (National) Road Agency publishing Technical and Financial Audits (Y/N)	N
		(a) Internal and External Audits	Y
		(b) Published	N
	Roads	National Road Safety Action Plan (Y/N)	N
	Roads	Social Assessment of Road Projects Mainstreamed (Y/N)	Y
	Roads	Environmental Assessment of Road Projects Mainstreamed (Y/N)	Y
	Roads	Communicable Disease Control (Y/N)	Y
	All	Competitive Private Sector Participation in Transport Services (Y/N)	Y
	All	Gender Assessment (Y/N)	N
	All	Access for All (Y/N)	N
	All	Planning Data Disaggregated (Y/N)	N
	All	Core Labor Standards (Y/N)	N
	All	Health and Safety (Y/N)	N
USED AS INPUT			
	Roads	Paved Roads: Total Road Network (km)	4,554

Dimension	Mode	Indicator	Statistic
	Roads	Road Length: Total Road Network (km)	14,615
	Roads	Total Expenditure on Roads (billions of FCFA)	40.8
	Rail	Total Rail Network (km)	906
	Water	Waterways (km)	897
	Roads	Road Motor Taxes: Public (billions of FCFA)	129
	All	Total Population	9,802,775
	Urban	Urban Population (%)	49%
	Rural	Rural Population (%)	51%
	All	Surface Area (km^2)	196,700
	cy	FCFA per EURO	655.957
	cy	EURO per USD	0.8197
	All	GDP (billions of FCFA): 2003	3763
		GDP: 2002	3511
		GDP: 2001	3380
		GDP: 2000	3114
NA:	Availa		
NS:	Signifi		