

MANAGEMENT OF TOLL GATES : THE CASE OF BENIN



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BRIEF PRESENTATION OF BENIN AND OF ITS ROAD NETWORK

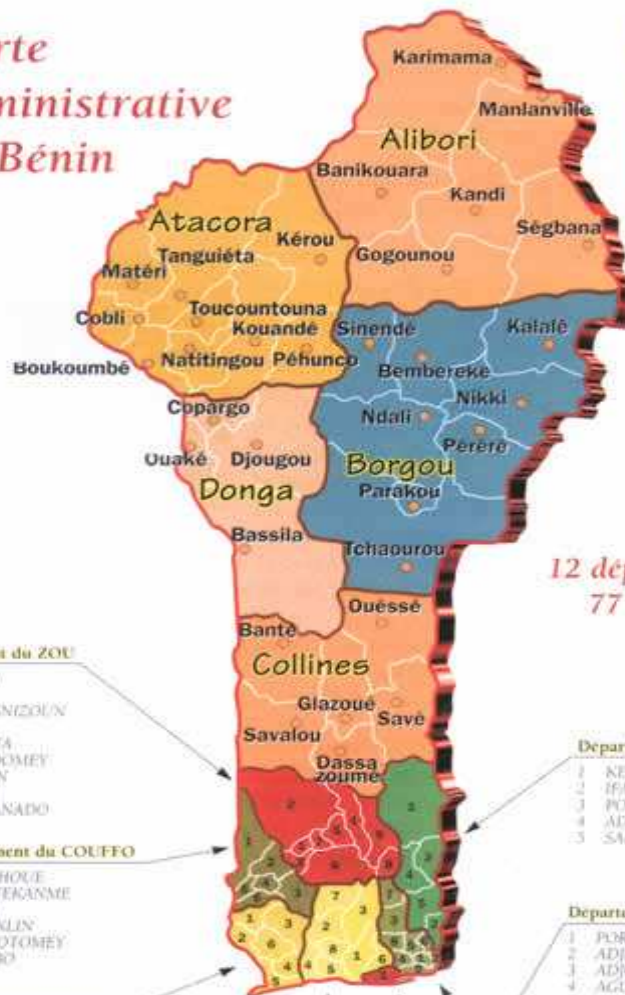


BENIN

- Coastal country of west Africa, Benin has borders with Togo to the west, Burkina-Faso and Niger to the north and with Nigeria to the west.
- Surface area : 112.600 km².
- Population : about 6 millions inhabitants.
- A coastline of about 125 km on the Atlantic ocean which makes it a communication corridor between the hinterland and the Atlantic ocean.
- The economy is essentially based on agriculture: cotton, palm oil, anacard and food crops.
- Weak industrialisation consisting in the transformation of agricultural products.

CARTE POLITIQUE ET ADMINISTRATIVE DU BÉNIN

Carte administrative du Bénin



12 départements
77 communes

Département du ZOU

- 1 ABOMEY
- 2 EJILJA
- 3 AGBANGNIZOUN
- 4 COVE
- 5 ZA-KPOTA
- 6 ZOGRODOMEY
- 7 BOHCON
- 8 OUNHI
- 9 ZANGNANADO

Département du COUFFO

- 1 APRAHOUE
- 2 KLOUEKANME
- 3 LAO
- 4 TOVIKLIN
- 5 DJAKOTOMEY
- 6 DOGBO

Département du MONO

- 1 LOKOSSA
- 2 ATHÈME
- 3 BOYA
- 4 COME
- 5 GRAND-POPO
- 6 HOUEYOGBE

Département de l'ATLANTIQUE

- | | |
|------------------|--------------|
| 1 AROMEY-GAVALT- | 3 OUSDAH |
| 2 ALLADA | 4 SO-AVA |
| 3 ZE | 5 TOFFO |
| 4 KJOMASSE | 6 TOMI-BONTO |

Département du PLATEAU

- 1 NETOU
- 2 IFANGNI
- 3 POBE
- 4 ADJA-DJERRI
- 5 SAKELI

Département de l'OUÈME

- 1 PORTO-NOVO
- 2 ADJARA
- 3 ADJOUHUN
- 4 AGUEGUE
- 5 AKPRO-MISSERETE
- 6 AVRANKOU
- 7 BONOU
- 8 DANGBO
- 9 SEME-KPOUJI

Département du LITTORAL

- 1 COTONOU

THE ROAD NETWORK

- **Comprises of a « classified » and a « non classified » network.**
- **The classified network is under the responsibility of the state (Ministry of Public Works and Transport)**
- **Total length of the classified network : 6076 km**
divided as follows :
 - 7 inter state national roads : 2.178 km**
 - 39 national roads : 3 898 km**
 - Approx. 30% paved roads**
 - Approx. 70% earth roads**

THE ROAD NETWORK (cont`d)

- The unclassified road network is essentially made up of rural roads, secondary roads entrusted to the care of Councils.
- The total length of the unclassified network is : about 12.000 km environ.
- Organisations in charge of financing road maintenance :
 - classified network : Road Fund
 - unclassified network : Councils, Production Associations, etc...
- The Traffic on the paved road network varies from 1000 to 21000 vehicles/day

ORIGINS AND THE SITUATION OF TOLL GATES



ORIGINS

- **First conceived as a mechanism of debt amortization**
- **The first toll gate was commissioned in Benin in 1987 on the Cotonou-Hilacondji road (TOGO Frontier) on the Grand-Popo heights to take part in the reimbursement of the KFW loan which was used to build two bridges on the Mono and its affluent, the Sazué.**

ORIGINS (cont`d)

- It then became a means of making road users contribute towards the financing of its maintenance, (toll).
- Finally, as a system of overloading control of heavy vehicles in order to limit the wear and tear of the pavement and reduce the cost of maintenance.
- N.B. There is no toll gate on earth roads.

INVENTORY OF TOLL GATES



NUMBER AND GEOGRAPHICAL LOCATION OF EXISTING TOLL GATES

GRAND-POPO TOLL GATE

**To the South of Benin on the Comé-Hillacondji road
(TOGO Frontier)**

Only tolls

Commissioned in 1987

DIHO TOLL GATE

**In the Centre of Benin on the Savè-Parakou
road**

Tolls and Weigh bridge

Commissioned in 1998



EKPE TOLL GATE

In the South of Benin on the Cotonou-Porto Novo road

Tolls and Weigh bridge

Commissioned in 2003



NUMBER ET GEOGRAPHICAL LOCATION OF TOLL GATES UNDER CONSTRUCTION OR TO BE CONSTRUCTED.

AHOZON TOLL GATE & WEIGH BRIDGE

**In the south of Benin on the Cotonou-Ouidah (to replace
that of Grand-Popo)**

Financing : AFD

To be commissioned in 2006

OUEGBO TOLL GATE

In the south of Benin on the Cotonou-Bohicon road

Financing : National Budget

To be commissioned in 2006

KPEDEKPO TOLL GATE & WEIGH BRIDGE

In the south of Benin on the Bohicon-Kétou road

Financing : DANIDA

To be commissioned in 2006

PREKETE TOLL GATE

In the north of Benin on the Savalou-Djougou-Porga road

Financing : Road Fund

To be commissioned in 2006

SIRAROU TOLL GATE & WEIGH BRIDGE

In the north of Benin on the Parakou-Malanville road

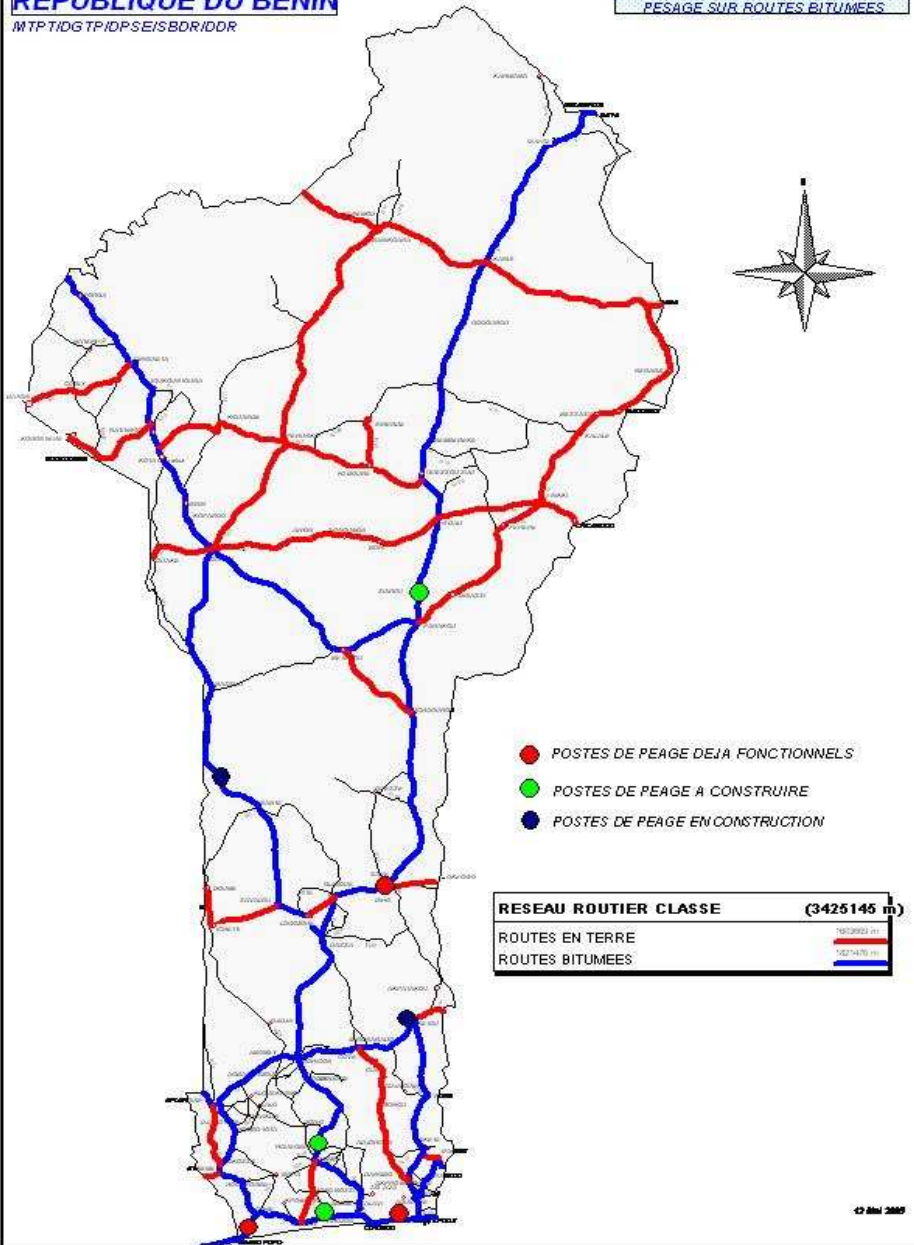
Financing : AFD

To be commissioned in 2006

REPUBLIQUE DU BENIN

MTPT/DGTP/DPSE/BSR/DDR

GENERALISATION DE POSTES DE PEAGE
PESAGE SUR ROUTES BITUMEEES



SYSTEM OF TARIFFS

- Variable depending on the type of gate (toll or toll/weigh bridge)
- For the toll gates, there are two rates : a fixed rate for light vehicles and a fixed rate for heavy vehicles
- For the Toll/Weigh bridge, a fixed rate for light vehicles and variable rates, depending on weight and number of axles, for heavy vehicles

SYSTEM OF TARIFFS (cont`d)

TABLE OF TARIFFS

GATE	LIGHT VEHICLES	HEAVY VEHICLES
Grand-Popo	400 FCFA	1.000 FCFA
Diho	500 FCFA	Mini : 500 FCFA Max : 13.500 FCFA
Ekpê	150 FCFA	Mini : 500 FCFA Max : 12.500 FCFA

TAKINGS FROM ROAD TOLLS

	MONTANT FCFA	% TOTAL TAKINGS OF ROAD FUND
1997	182.203.392	4,94%
1998	336.016.942	7,51%
1999	350.000.000	7,60%
2000	366.041.670	4,95%
2001	367.500.000	4,54%
2002	336.875.000	4,45%
2003	1.585.603.087	14,40%
2004	1.176.725.356	12,40%

PROCEDURES FOR THE CHOICE OF CONCESSIONAIRE

- **Types of concessions : Concession with fixed levies and without participation of concessionaire in the starting investment**
- **Open tenders**
- **Establishment of a tender document made up of :
Special Tender rules, specifications of the concession,
statistics of traffic**

PROCEDURES FOR THE CHOICE OF CONCESSIONAIRE (cont`d)

- **Launching of tenders**
- **Opening, analysing and judging offers**
- **Criteria for the award of the concession**
 - **Acceptable technical proposition**
 - **The highest amount of levy and reserve fund.**
 - **Amount of each levy and reserve fund more than the specified minimum**

PROCEDURES FOR THE CHOICE OF CONCESSIONAIRE (cont`d)

➤ Different Levies

- Fixed levy for road maintenance for the Road Fund
- Additional levy for the local councils
- Reserve fund for major repairs

PROCEDURES FOR THE CHOICE OF CONCESSIONAIRE (cont`d)

- Notification of the award
- Negotiations
- Signature of the convention
- Provision of the required guarantees

N.B. Duration of concessions : varies from 02 to 05 years

MANAGEMENT OF TOLL GATES CONCESSION CONVENTIONS

INTERVENANTS

- **Concession Authority : Ministry of Public Works and Transport**
- **Conventions Manager : Road Fund**
- **Project Manager (Technical Aspects) : Direction Générale des Travaux Publics**
- **Concessionnaire : Private Operators**

MANAGEMENT OF TOLL GATE CONCESSION CONVENTIONS (cont`d)

**MANAGEMENT TOOLS :
SPECIFICATIONS OF THE CONCESSION**

OBLIGATIONS OF THE CONCESSIONNAIRE

➤ OBLIGATIONS FOR THE PROVISION OF SERVICE

- Collect tolls from road users,**
- Weigh the heavy vehicles transporting merchandise,**
- maintain the equipment et conceded infrastructures,**
- apply the stipulated measures in case of overloading,**

OBLIGATIONS OF CONCESSIONAIRE

➤ THE OBLIGATIONS FOR THE PRVISION OF SERVICE (cont`d)

- permanently ensure the free movement of vehicles, in good safety conditions,
- establish and give monthly statistics of traffic (number of vehicles per day and by type of vehicle) to the conceding authority

SPECIAL CASE OF THE EKPÊ TOLL AND WEIGH STATION

- Take charge of the payment of public lighting installed along the express road between PK 4,250 (belier junction) and PK 18,00 (Sèmè junction) and ensure its proper working,
- take charge of the sweeping of the road between PK 4,250 and PK 18,00

N.B. : The following duties are not included in the obligations of the Concessionaire :

- routine maintenance of the road,
- maintenance of adjacent structures (cleaning of gutters and retaining basins) situated outside the concession ,
- maintenance of signalling equipment situated outside the concession.

FINANCIAL OBLIGATIONS

- settle the contractual road maintenance levy on time (monthly payment)
- settle the additional levy on time (quarterly payment)
- settle the reserve fund on time (half-yearly payment)

NB : The levies are paid directly to the Road Fund

SANCTIONS FOR NON EXECUTION OF OBLIGATIONS CHARGED TO THE CONCESSIONNAIRE

➤ Coercive measures

- fine of an amount equal to 1% of the annual road maintenance levy for each observed total or partial non respect of obligations by the Concessionnaire**
- after warning, the conceding authority applies a subsidiary principle**

➤ Refusal of concessionary rights

GUARANTEES GIVEN BY THE CONCESSIONAIRE

- **Make his personnel take an oath (especially those in charge of weighing operations and those collecting tolls),**
- **To be insured of all risks at his cost,**
- **Constitute a caution in a banking Establishment of an amount between 50 and 100 % (depending on the case) of the cumulated amount of contractual road maintenance levy, of the additional levy and the reserve fund.**

DIFFICULTIES ENCOUNTERED

- The exemptions to tolls,
- The relations between the concessionaire and the population of the locality where the stations are installed
 - The passage of local residents
 - The question of the preference or recruitment of personnel
- Utilisation of the reserve fund
- The application of the set measures in case overloading of heavy vehicles.

THANK YOU

