

**TEMPLATE OF THE NATIONAL REPORT  
TO BE PRESENTED BY EACH DELEGATION  
DURING THE ASECAP STUDY AND INFORMATION DAYS  
MADRID, MAY 23-25, 2016**

***Network length***

As of 2015, ADM operates a highway network of 1588 kilometers in Morocco, 77 kilometers increase from 2014. The length is around 1526 km 2 x 2 lanes and 62 km 2 x 3 lanes. A tunnel of 512 m is included in that network.

***Openings in 2016***

The foreseen openings for 2016 of new highways sections are indicated below:

Section	Length (km)	Comments and position
Rabat Bypasse	41	Is the central junction of the present network
El Jadida – Safi	140	This section is the Atlantic continuity of the Casablanca- El Jadida highway
Total	181	

### **Investments**

The investments' amount for 2015 and the foreseeable amount for 2016 in millions of Euros are as follow:

	Investments for 2014 (M€)	foreseeable investments for 2015 (M€)
New sections	275	203
Highways in service	21	63

### **- Roadwork in progress**

Section	Length	Cost of project (Millions d'Euros)	Investments (M€)	
			2015	2016
Rabat Bypasse	41	268	59	49
El Jadida – Safi (New section )	140	435	85	230
Total	181	659	216	159

### **Financing**

The origin of the financing system is as follow:

- Equity financing,
- Long term foreign debts. A ratio of concessional long term debt of 80% of the investments is considered.
- Use of financial local market with especially bond loans (bond issuances).

## ***Traffic***

The total km travelled by all the vehicles on the ADM network during 2015 is 18.9 Million Veh/Km on a daily basis. Compared to the previous year, the traffic growth is 8.1%. The traffic is increasing due to GDP growth of 5% and the low cost of fuel.

This growth is 5.3% for light vehicles and 3.3% for heavy ones. The traffic of light vehicles represents 78% of the global traffic, against 22% for the heavy vehicles. The traffic volume represents 114.2 million vehicles, an increase of 5.6% compared to 2014.

## ***Tolling system and tolling technologies used***

At the end of 2015, the tolling system on the ADM's network includes 83 stations and 493 lanes. Currently, the collect of tolls is essentially manual; the means of payment are multiple: cash, prepaid cards, oil companies' cards...

During the last two years, ADM has initiated important projects to increase the electronic transactions rate by introducing new means of payment.

ADM is now implementing electronic tolling on its highway network. This year, 18 ETC lanes were put in service with prepaid payment system and payment also. For the prepaid easy pass TAG, we can use internet for recharge. When possible, these lanes can work in a mixed mode.

In terms of electronic toll technology, ADM has opted for OBU (On Board Unit) use and the DSRC (Dedicated Short Range Communication) to 5.8 GHz, the standard technique widely used in Europe. The speed at the toll lanes is 20 to 30 km / h.

For the coming years, ADM will to generalize ETC to the whole network.

ADM will deploy in 2016, on a pilote site, automatic toll terminals and will accept during this year, the payment by local bank cards.

### **Tolls**

The value of the average tariff per kilometre in Euro during 2015

- for light vehicles : 0.032 Euros per km
- for heavy vehicles HV1 : 0.051 Euros per km
- introduction of a third category tariff HV2 (1.22xHV1)

These tariffs has changed during 2015 by the introduction of a VAT of 20% instead of 10% and a third category, for the heavy vehicles HV2. (HV1 and HV2 had the same tariff since 1989)

### **Revenues**

The total toll revenue during 2015 is 215.9 million Euros, not excluding tax. Compared to the previous year this shows an increase of 9.7% (1 Euro= 10.74 MAD as of 31/12/2015).

### **Safety**

The main safety indicators registered in 2015 are as follow:

	Definition and method of calculation	In number for one billion kilometres travelled in 2015	Variation in % in 2015/2014
Personal injury rate	Number of corporal accidents x 109/ L x T x 365	78,4	+12%
Fatal accident rate	Number of mortal accidents x 109/ L x T x 365	19,7	+9.44%
Rate of dead	Number of dead's x 109/ L x T x 365	23,5	+2.17%

### ***Long-term forecast and tendencies***

The long-term forecast for the development of the highways tolled network concern the completion of the second program agreement (ADM – Moroccan State) of the Highways network to achieve 1800 km.

For the operating of the network, development of the use of new technologies is planned by ADM.

ADM has initiated a large program of development, based on the use of new technologies and innovating customer service.

### ***Significant actions already started (and/or to be achieved in 2015) and foreseen for 2016.***

- Local development and synergies between the highway and the crossed territories:

The integration of highway infrastructure in the environment requires the creation of partnership and synergies with the actors acting in the crossed territories, including residents. Generally, this partnerships is organized around the fulfillment of a number of social development actions for the benefit of local population.

By entering into a process of sustainable development, the involvement of ADM in the field will evolve with the new highway construction to meet demands and growing needs of communities, by adding passages and bridges and opening parallel tracks of the highway route to allow binding safer and easier between the two sides of the highway, the construction of new exchangers ... etc.

- Improvement of the quality of service on the highways and service areas

Actions for the improvement of the quality of service to users, are conducted in cooperation with the subconcessionaires, and concern the introduction of new international brand. Discussions are also underway with the company that manage the areas to adapt the offer of services to customer of heavy vehicles.

- ADM Mobil Application

ADM Mobil application is an important tool to travel assistance on the Moroccan motorway network. Many functionalities such as the information in real time on the traffic events (accidents, work, ...), information on tariffs, call center ADM contact, ...etc.

The ADM Mobil application has been awarded by the national price of excellence "E-mtiaz", and recently distinguished by the price of the best North African and Middle East government service on mobile phone in the world summit of governments at Dubai for 2015.

- Traffic ADM Mobil Application

ADM is in the process of creating a new application to inform on time the highway users the traffic situation in its whole highway network (traffic, work construction, traffic jam, weather, accident, services,...)

## MAIN ASECAP KEY FIGURES

Country: MOROCCO	Indicate below how you calculate each figure provided in the “2015” column	2015 Figure
Network length (Km): 1588 2 x 2 lanes (Km): 1526 2 x 3 lanes (Km): 62 km	Network length under service	1526
Number of km in construction	Network length under construction	181
Forecasts of opening highways section	Network under construction and foreseeable to be opened	181
Annual toll revenues* (in millions of Euros)	Toll revenues collected	215.9
VAT % (Indicate the VAT % percentage to the toll revenues)	Change in VAT%: 20% instead of 10% effective from 01/01/2015.	20%
Permanent staff	Number of permanent employees	546
Average daily traffic (light vehicles)	$\frac{\sum \text{Number of light vehicles} \times \text{km travelled}}{\sum \text{Length of the highways axis} \times \text{number of days}}$	9 750
Average daily traffic (heavy vehicles)	$\frac{\sum \text{Number of heavy vehicles} \times \text{km travelled}}{\sum \text{Length of the highways axis} \times \text{number of days}}$	2 731
Average daily traffic (total = light + heavy vehicles)	$\frac{\sum \text{Number of vehicles} \times \text{km travelled}}{\sum \text{Length of the highways axis travelled} \times \text{number of days}}$	12 478
Total number of accidents	Number of accidents on the network	3 610
Number of personal injury accidents	Number of personal injury accidents on the network	1 197

Number of dead	Numbers of dead	165
Fatality rate	Number of mortal accidents x 109/ L x T x 365	23.5
Kilometres travelled (10 <sup>6</sup> x km)	Average daily traffic X Network length (10 <sup>6</sup> x km)	18.9
Number of toll transactions (Total)	Sum of transactions in the toll stations in millions	114.2
Number of toll transactions (light vehicles):		92.6
Number of toll transactions (heavy vehicles):		22.6
Number of toll stations	In unity of toll stations, lanes or ETC lanes	83
Number of toll lanes		493
Number of ETC lanes		18
Number of ETC subscribers (Total): Number of ETC subscribers (light vehicles): Number of ETC subscribers (heavy vehicles):	Number of ETC subscribers (only light vehicles): recent mode of paiement	24292
Number of service areas (equipped with petrol stations)	Number of service areas on the network	48
Number of rest areas	Service areas+ rest areas	50
Number of restaurants	Number of restaurants on service areas	48
Number of hotels	--	--