



REPUBLIC OF TUNISIA

MINISTRY OF EQUIPMENT,HOUSING AND LAND PLANNING

GENERAL DIRECTION OF BRIDGES AND ROADS

GABES – MEDENINE HIGHWAY

RADES - LA GOULETTE BRIDGE

December 2010

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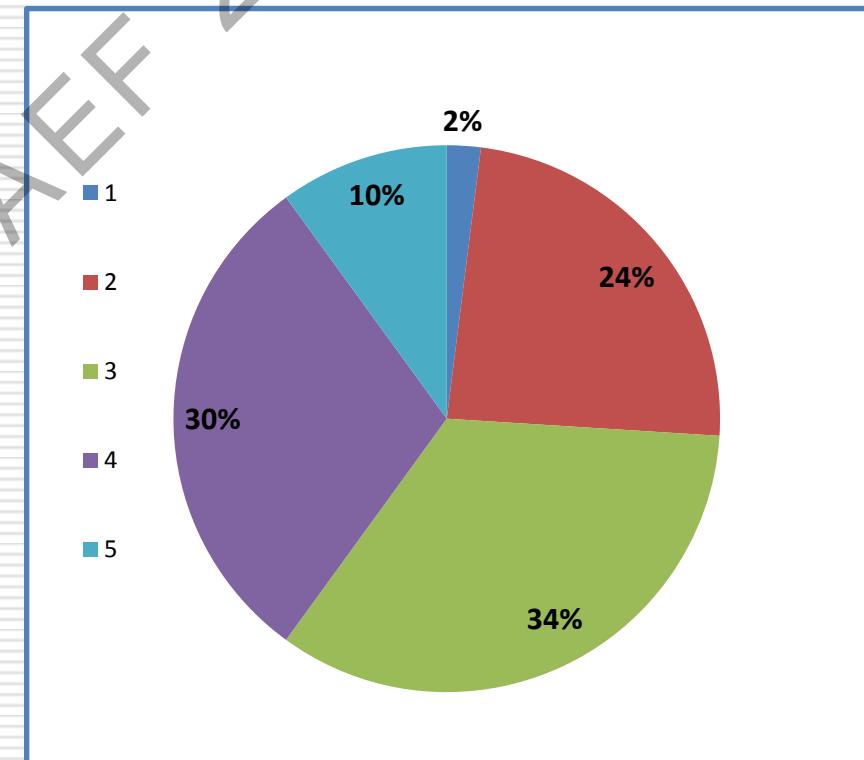
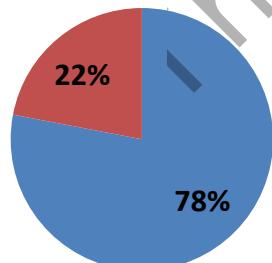
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Road Infrastructure

**Classified Road Network: 19371 Km
of which 14564 Km covered(75 %)**

Highways	360 Km	
National Roads	4738 Km	
Regional Roads	6498 Km	
Local Roads	5888 Km	
in the course of classification	1886 Km	

Rural runways : 64 800 Km
of which 14 400 Km covered



Evolution and distribution of the traffic

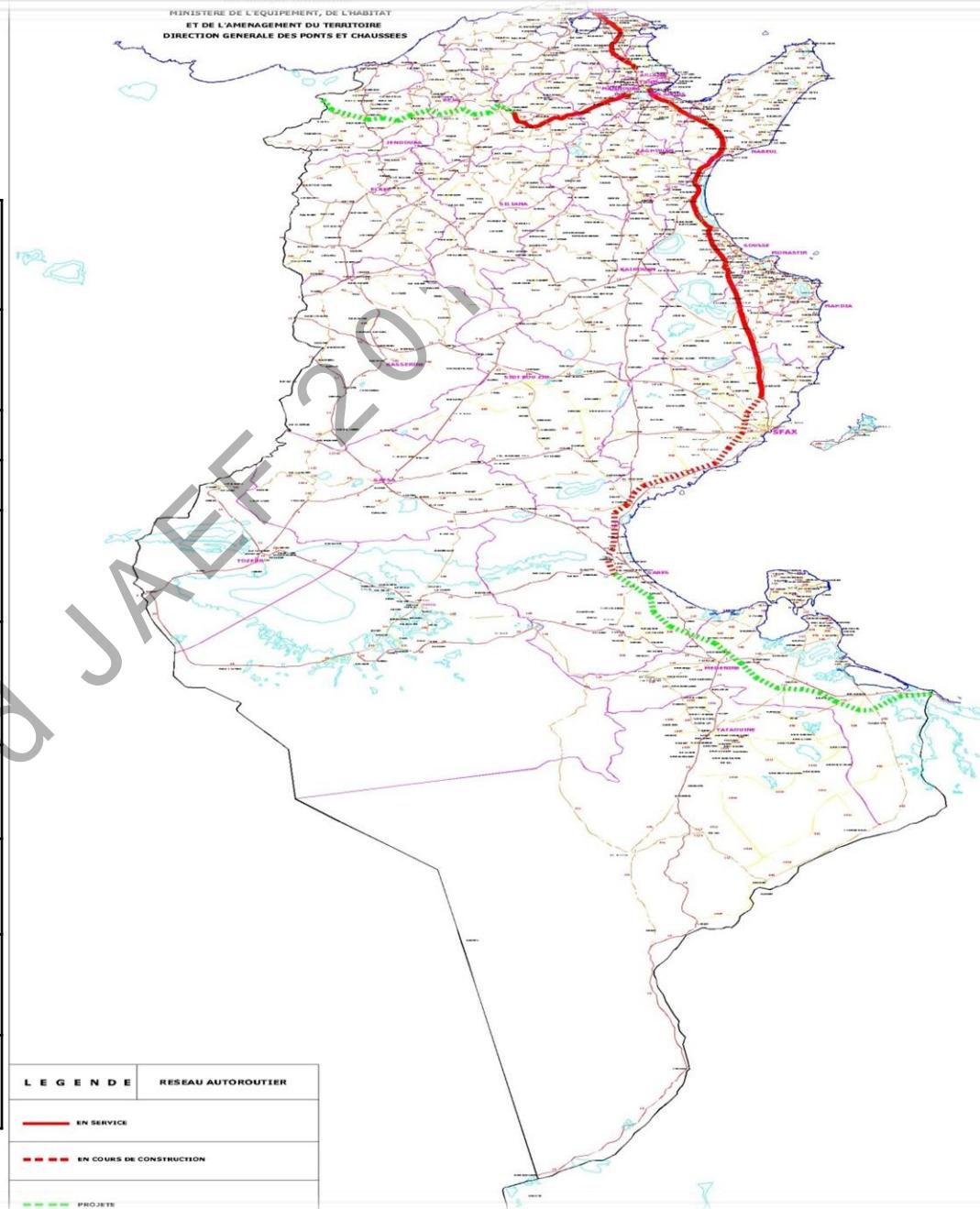
Evolution of the daily average traffic on all the roads of
the Republic
Veh/day/Km

Year	1997	2002	2007
Light vehicles	2919 86,5 %	3940 86,8%	5446 88,9 %
Heavy vehicles	458 13,5 %	588 13,2 %	678 11,1 %
Total	3377	4539	6124

HIGHWAYS NETWORK

Highway	Length (Km)	Year of Exploitation
In exploitation		
Tunis-M'saken	141.5	1997
Tunis-Bizerte	53	2002
Tunis-Oued Zarga	67	2005
M'saken –Sfax contribution JBIC :El Jem-Sfax	97.5	2008
under construction		
Sfax-Gabès	155	
Works scheduled		
Gabès-Médenine-Ras Jédir	180	
Oued Zarga-Bousalem	70	
Bousalem-Algerian Frontier	80	
Enfidha-Kairouan-Sidi Bouzid-Kasserine-Gafsa	348	

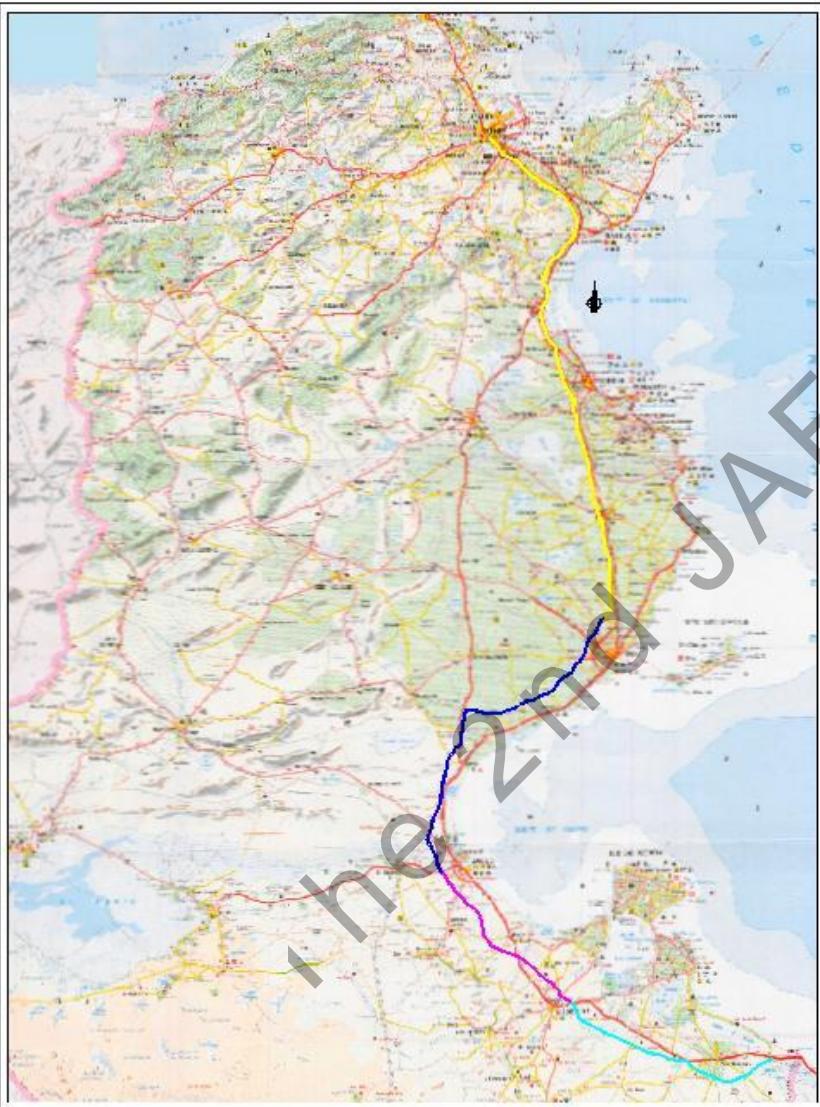
objectif : **1500 Km** in 2020



PRESENTATION OF THE PROJECT OF GABES-MEDENINE HIGHWAY

- The Project of construction of Gabès-Médenine Highway is a part of trans-Maghrebin Corridor construction Program
 - It is a presidential project and it's recommended to begin the civil works at the end of 2011 for a duration of 3 years.
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REPUBLIQUE TUNISIENNE
MINISTRE DE L'EQUIPEMENT, DE L'HABITAT
ET DE L'AMENAGEMENT DU TERRITOIRE
DIRECTION GENERALE DES PONTS ET CHAUSSEES



GABES - MEDENINE

Length: 90 km
a part of 3^d section
Maghrebi Highway

M'Saken – Gabès - Ras Jédir

• 1st section "M'Saken-Sfax" **97.5Km**
in exploitation

• 2nd section "Sfax-Gabès" **155 Km**
under construction

• 3^d section "Gabès-Ras Jédir" **180 km**
construction scheduled

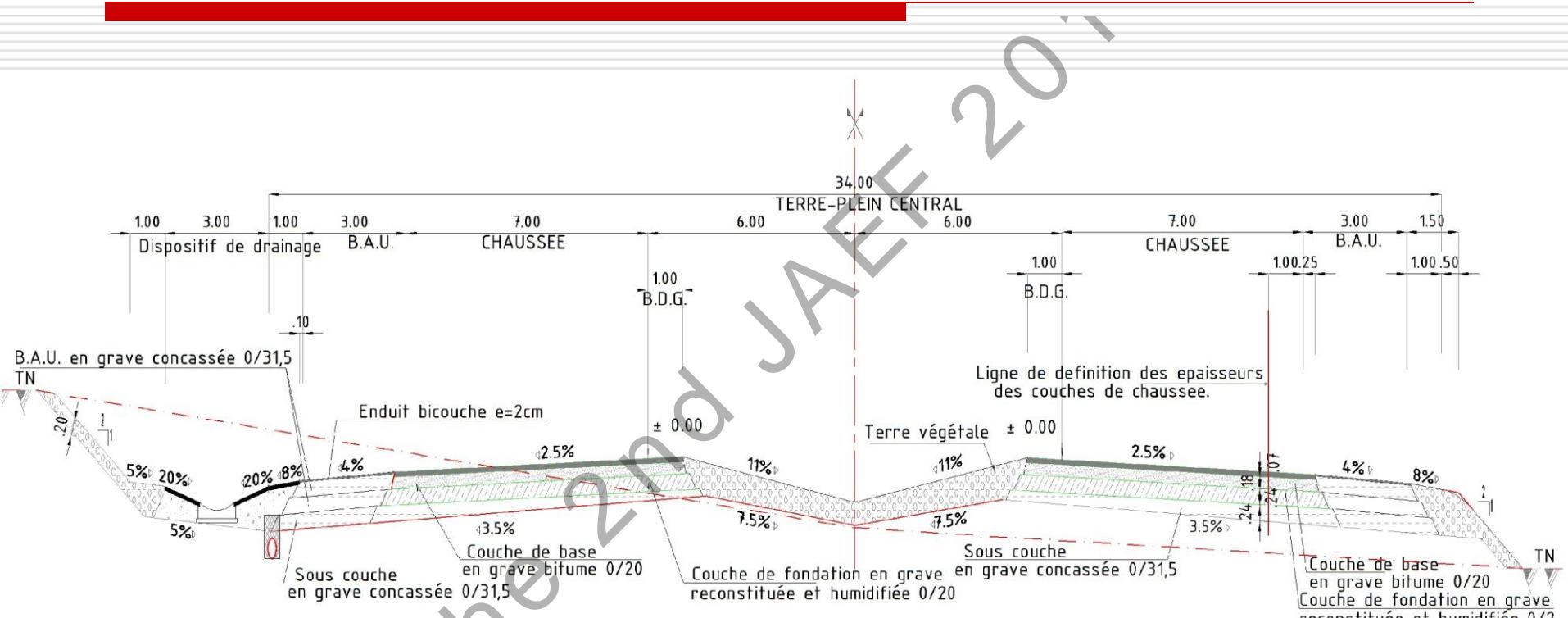
Components of the project

- Length=90 km
 - 4 interchanges of type exit trumpet
(System of closed toll)
 - 36 structures (29 overpasses+5 underpasses+
2 railway underpasses)
 - 100 hydraulic structures of which 12
large hydraulic structures to cross the
flows designed for 1 century return
period.
 - 2 rest areas
-

GABES-MEDENINE HIGHWAY



CROSS-SECTION OF THE HIGHWAY(2x2 lanes)



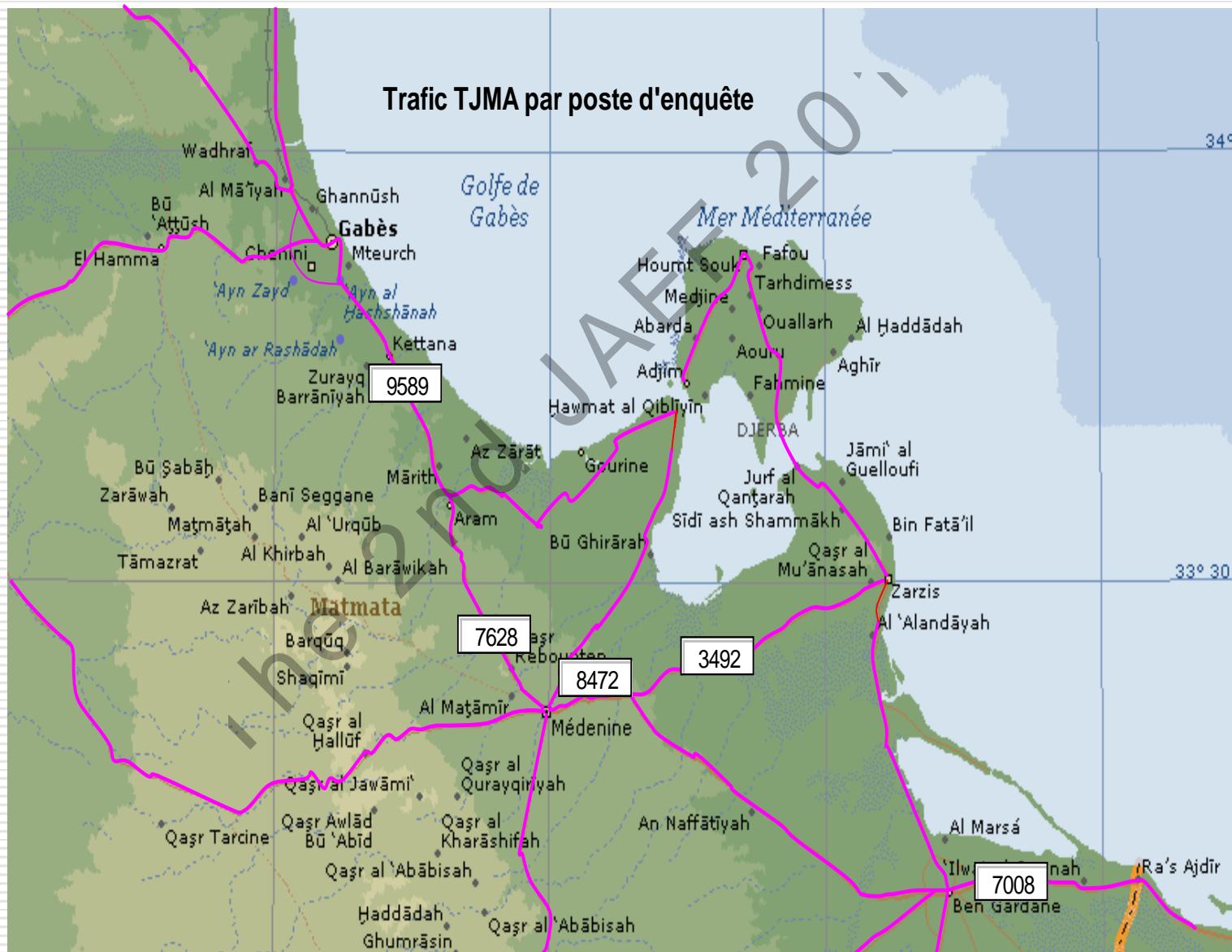
ECONOMIC STUDY

The 2nd JAEF 201

ANALYSIS OF THE TRAFFIC

The 2nd JAEF 201

ANNUAL AVERAGE DAILY TRAFFIC IN THE ZONE OF THE PROJECT



TRAFFIC IN THE ZONE OF THE PROJECT

- Growth rate of the traffic:

Period	2006 - 2010	2010 - 2015	2015 - 2020	2020 - 2025	2025 - 2030	2030 - 2035
light vehicles	5,8%	6,1%	6,0%	5,7%	5,1%	4,7%
heavy vehicles	4,4%	4,5%	4,4%	4,0%	3,8%	3,4%

AFFECTATION OF THE TRAFFIC ON ROAD NETWORK

RESULTS OF THE AFFECTATION
OF THE TRAFFIC

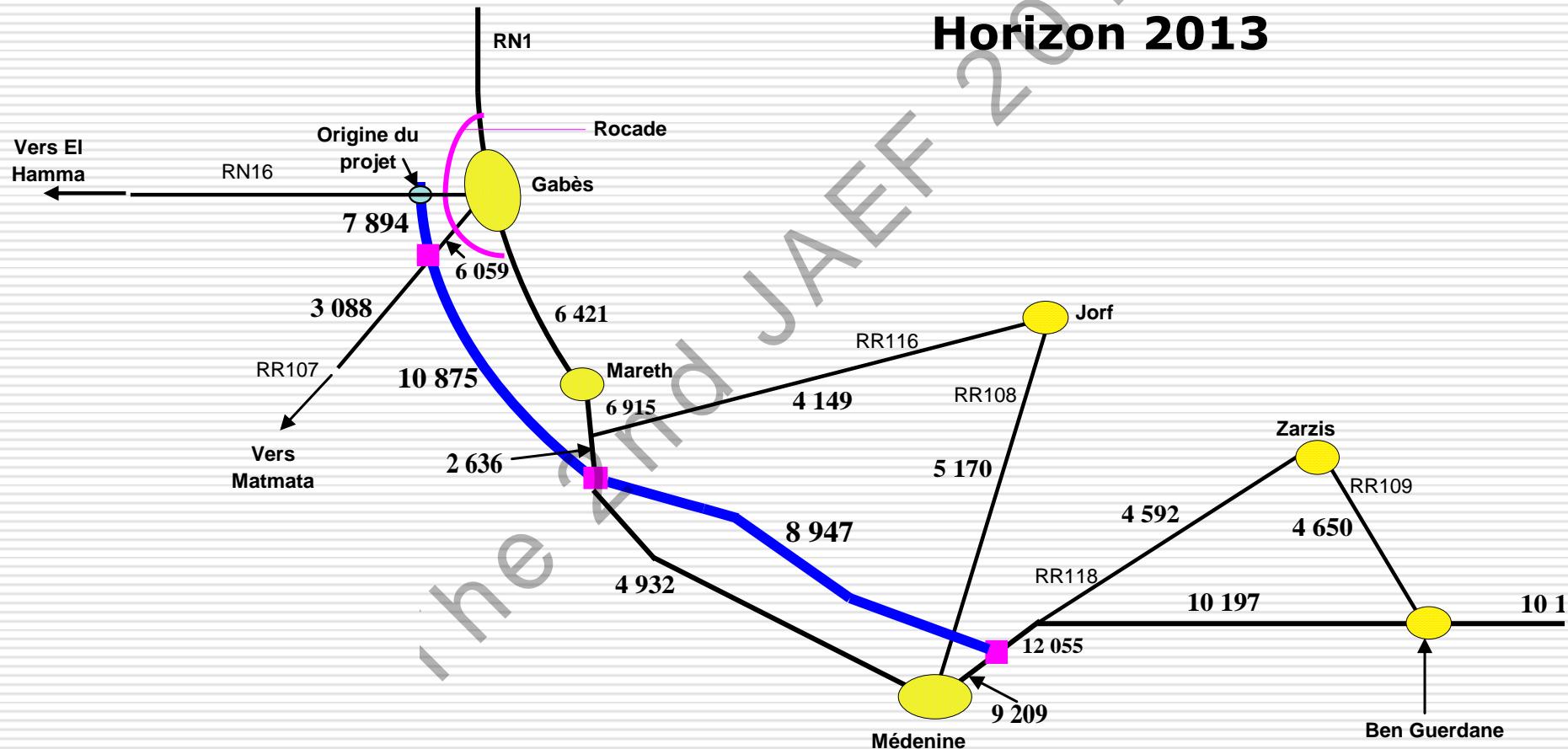
The 2nd DRAFT 2014

RESULTS OF AFFECTATION OF TRAFFIC

- Evaluation of the traffic on the RN1 and on the highway for the period 2016 - 2035
- Results of affectation of traffic:
 - Traffic on the highway : 59% ;
 - Traffic on the RN1 : 41% ;
 - Traffic heavy vehicles on the highway : 10% ;
 - Traffic heavy vehicles on the RN1 : 7% ;
 - Traffic on the highway and on the RN1 will remain fluid until 2035 ;

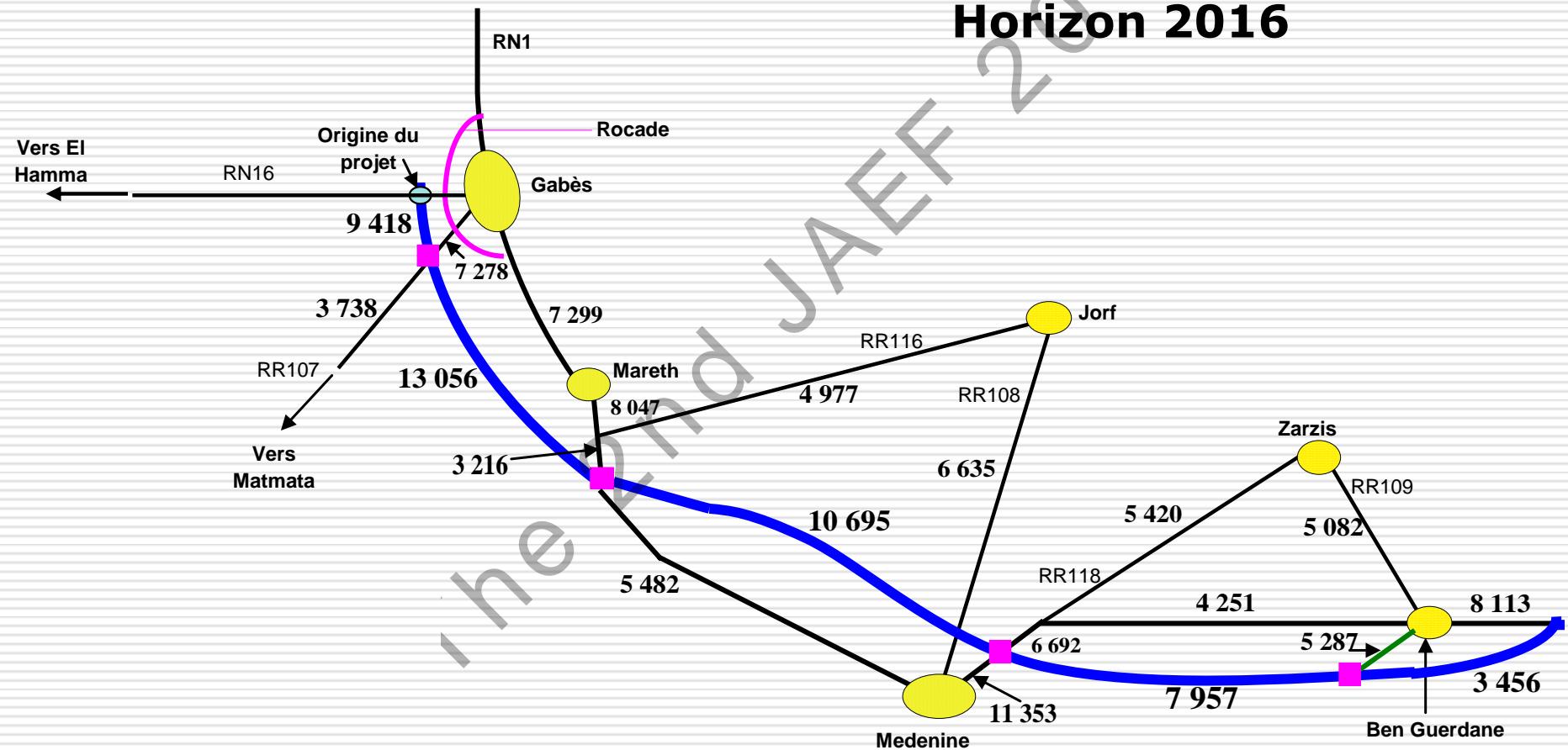
Distribution of the traffic between the toll highway and the national road RN1

Horizon 2013

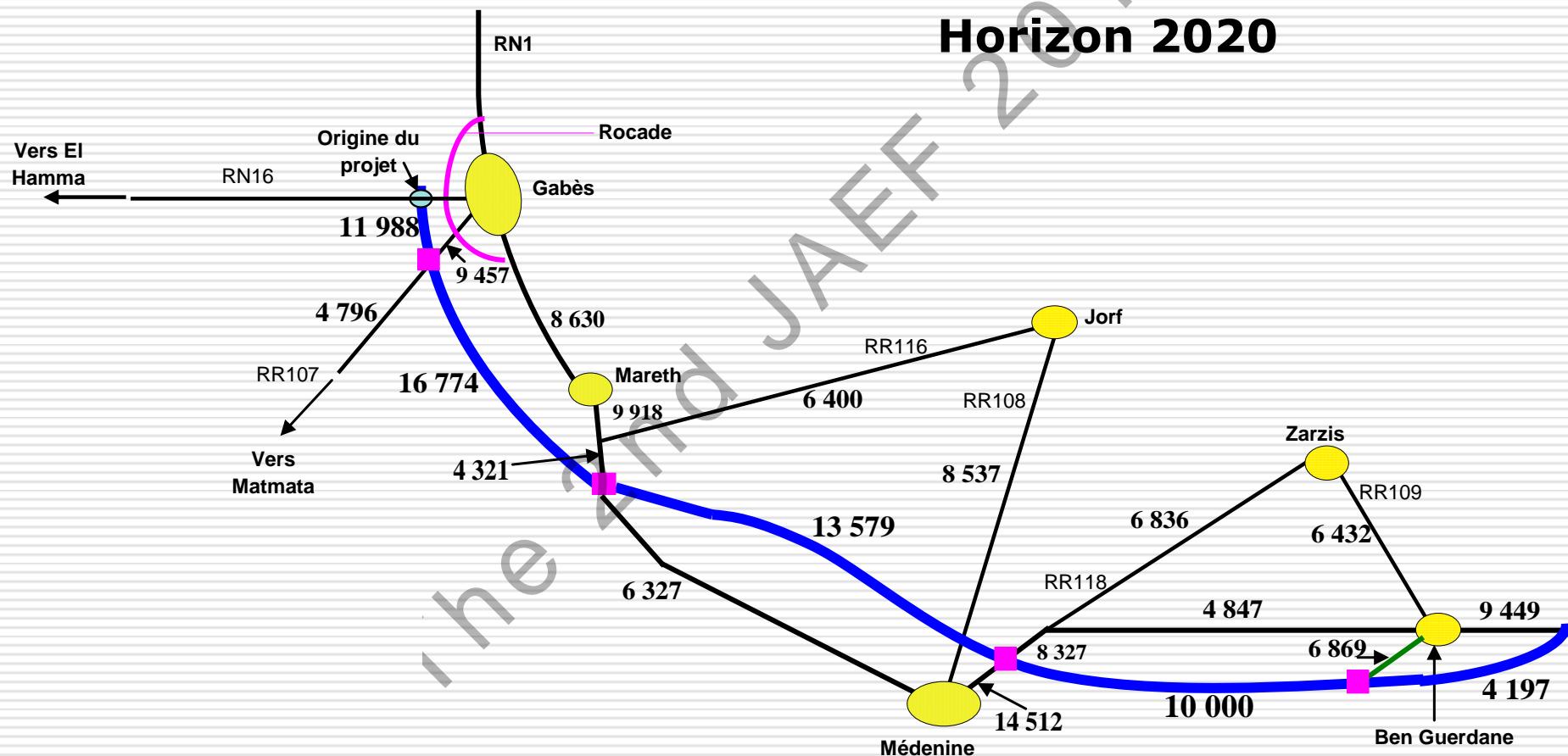


Distribution of the traffic between the toll highway and the national road RN1

Horizon 2016

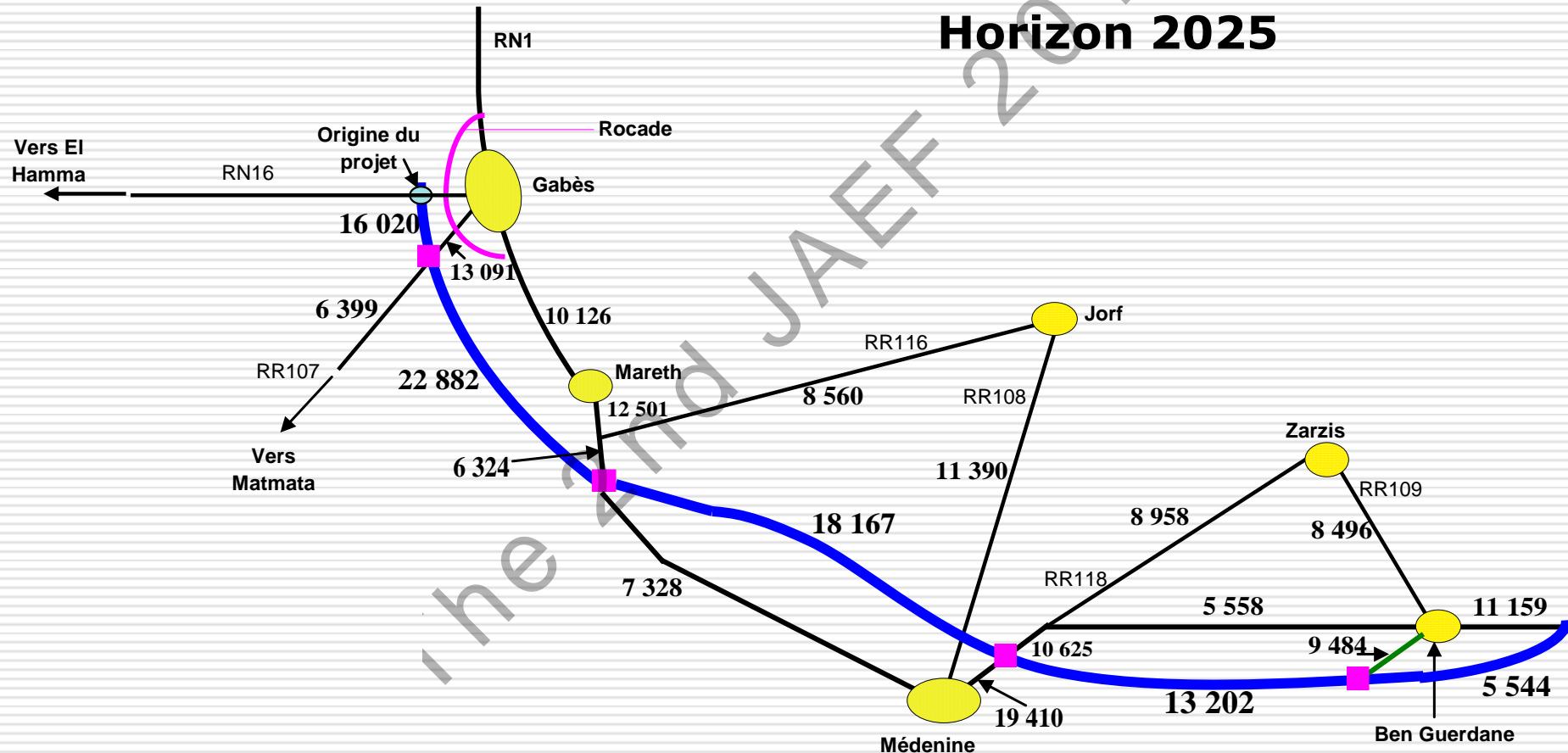


Distribution of the traffic between the toll highway and the national road RN1

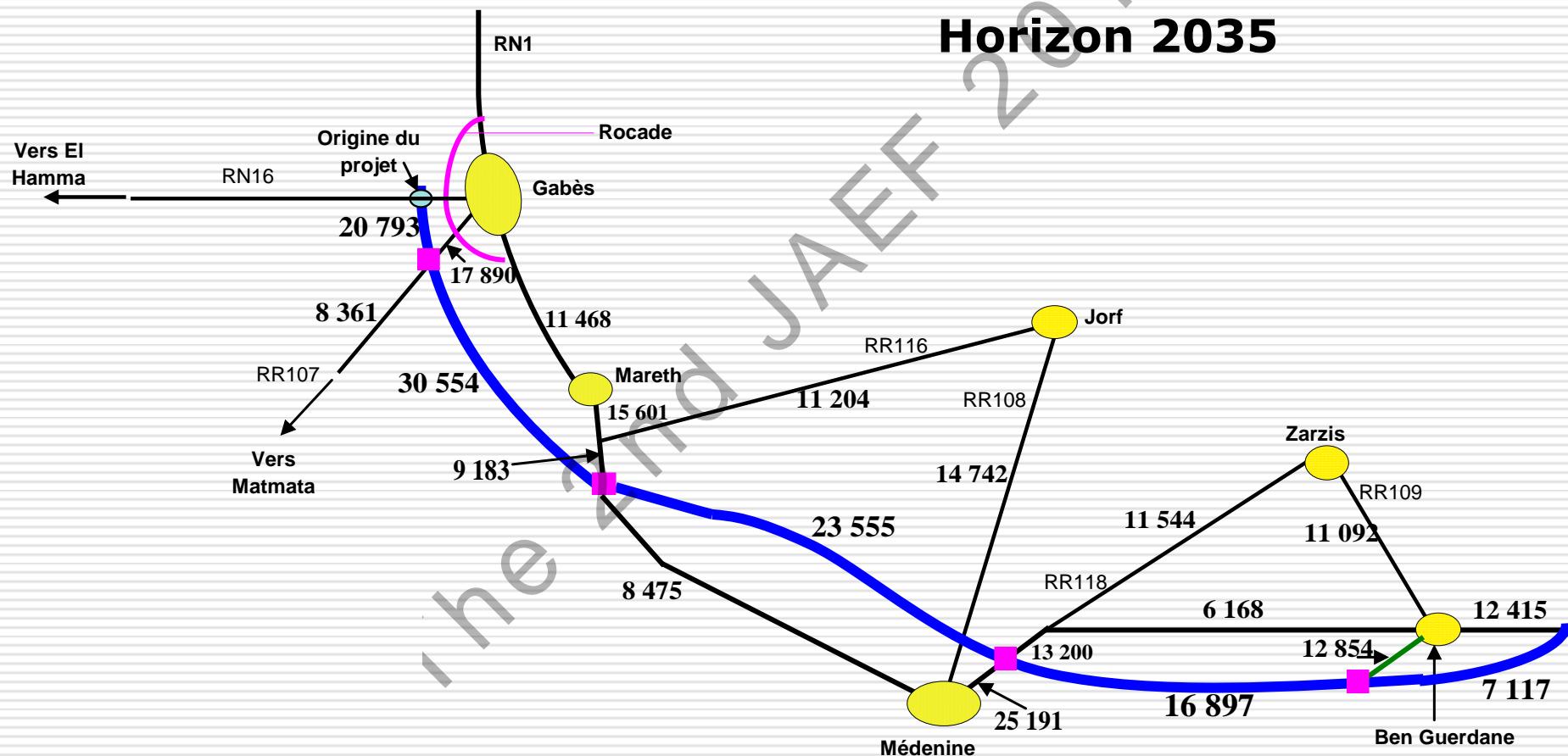


Distribution of the traffic between the toll highway Gabès-Médenine and the national road RN1

Horizon 2025



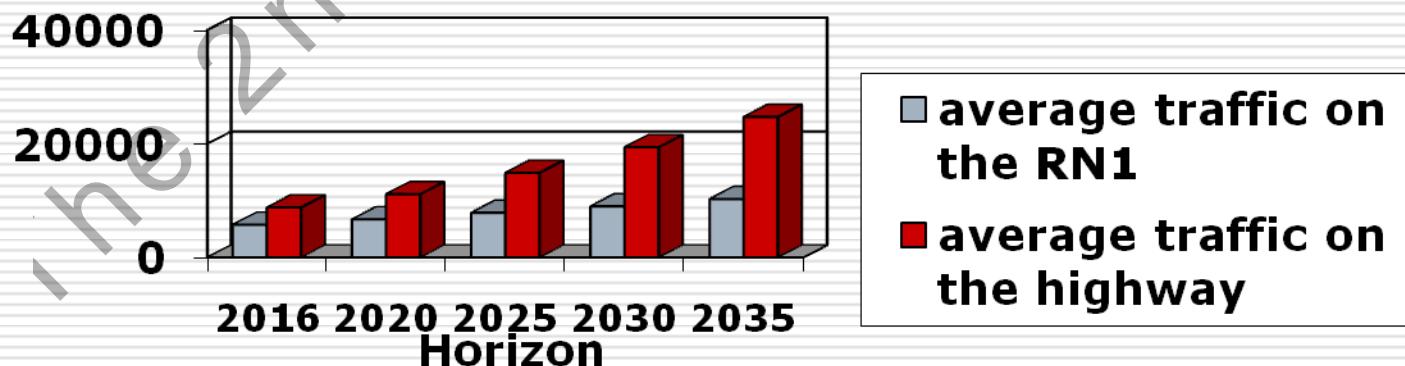
Distribution of the traffic between the toll highway and the national road RN1



RESULTS OF THE AFFECTION OF TRAFFIC

**Evaluation of the average daily traffic on
the highway and on the RN1**

Average
Daily Traffic
(veh / day)



ECONOMIC RETURN OF THE PROJECT

- Indicators of economic return:
 - Economic internal Rate of return : EIRR = 27,7%
 - Economic immediate rate of return : EI_mRI = 12,8%
 - Net profits (12%) : VAN = 1728 M TD

- very satisfactory return

DESIGNS PROGRESS STATUS

- Detailed Designs submitted to and approved by the Administration,

WORKS COST ESTIMATE (M TD)

<input type="checkbox"/> Highway works	: 415
<input type="checkbox"/> Price fluctuations	: 29
<input type="checkbox"/> Variation in the total quantity of work	: 29
<input type="checkbox"/> Amount to be claimed	: 7
<input type="checkbox"/> Clearing of right-of-way	: 30
<input type="checkbox"/> Control	: 8
<input type="checkbox"/> Toll Equipment	: 32
<input type="checkbox"/> Total	: 550

PRESENTATION OF RADES-LA GOULETTE BRIDGE

The 2nd JAEE 2011