

## INDICATOR RESULTS FACT SHEET

### TRA01: TRAFFIC VOLUME

#### DEFINITION - PURPOSE

The indicator assesses the Annual Average Daily Traffic (AADT), which is the average number of vehicles that travelled between two successive interchanges on the Egnatia Motorway during the period of one year. Traffic volume is the main indicator depicting the mobility along the axis. The purpose of assessing this indicator is, therefore, to study mobility along the axis of the Egnatia Motorway.

#### RESULTS - ASSESSMENT

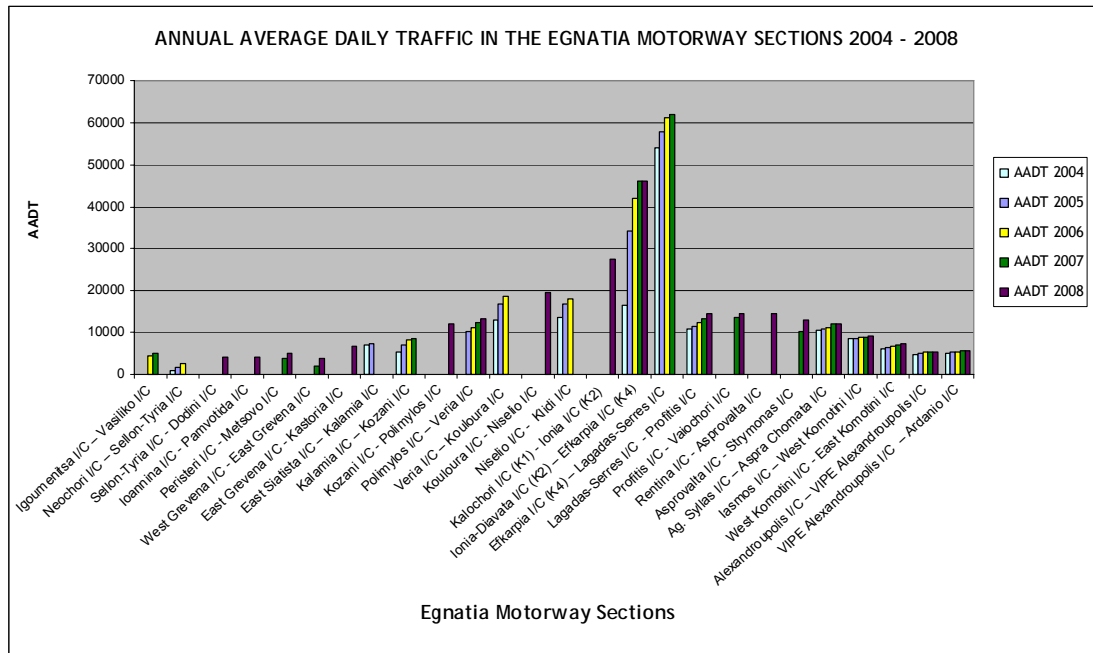
The traffic volume counts carried out in the last 5 years (2004-2008) prove that the highest traffic volumes are recorded along the sections between the interchanges of Kalochori and Serres. These sections also serve as the outer ring road of the city of Thessaloniki. This high traffic volume is anticipated, as these sections service both the through traffic and a great amount of urban (i.e. trips that have both of their ends within the urban agglomeration of Thessaloniki) and inter-Prefectural trips having Thessaloniki as one of their end (e.g. Thessaloniki-Serres, Thessaloniki-Kavala, etc). It should be pointed out that many of these trips are daily movements, as that they involve commuting.

At sections for which we have count results for the years between 2004 and 2007, we have observed a significant traffic volume increase. The highest increase is recorded along the route Igoumenitsa- Ioannina, where the road sections, in the first years of their operation, had extremely low traffic volumes, since they mainly serviced local and not through traffic. However, when additional sections opened to traffic, the Egnatia Motorway's popularity as the preferred route was increased. In the same period, an increase by 30% and 65% was recorded along the motorway sections servicing the trips Thessaloniki-Veria-Kozani-Grevena, while a lower increase was observed in the traffic volumes in Eastern Macedonia & Thrace. In the period 2007-2008, the highest increase was recorded for Grevena Bypass.

TRAFFIC VOLUME							
ANNUAL AVERAGE DAILY TRAFFIC (A.A.D.T.) FOR THE YEARS 2004 - 2008							
Egnatia Motorway Section	AADT 2004	AADT 2005	AADT 2006	AADT 2007	AADT 2008	change (more recent year - older year of available data)	change 2007-2008
Igoumenitsa I/C - Vasiliko I/C	Y.K.	3.000	4.500	5.100	E.Λ.	70%	##
Neochori I/C - Sellon-Tyria I/C	800	1.700	2.600	E.Λ.	E.Λ.	225%	##
Sellon-Tyria I/C - Dodoni I/C	Y.K.	Y.K.	Y.K.	E.Λ.	4.000	##	##
Ioannina I/C - Pambotida I/C	Y.K.	Y.K.	Y.K.	Y.K.	4.200	##	##
Peristeri I/C - Metsovo I/C	Y.K.	Y.K.	E.Λ.	3.900	5.000	28%	28%
West Grevena I/C - East Grevena I/C	Y.K.	Y.K.	Y.K.	2.100	3.900	86%	86%
East Grevena I/C - Kastoria I/C	O.F.	O.F.	O.F.	O.F.	6.700	##	##
East Statista I/C - Kalamia I/C	7.000	7.500	O.F.	O.F.	O.F.	7%	##
Kalamia I/C - Kozani I/C	5.200	7.200	8.400	8.500	O.F.	63%	##
Kozani I/C - Polimylos I/C	O.F.	E.Λ.	E.Λ.	E.Λ.	12.100	##	##
Polimylos I/C - Veria I/C	Y.K.	10.300	11.300	12.300	13.200	28%	7%
Veria I/C - Kouloura I/C	13.000	16.800	18.700	O.F.	O.F.	44%	##
Kouloura I/C - Nisali I/C	O.F.	O.F.	O.F.	O.F.	19.400	##	##
Nisali I/C - Klidi I/C	13.600	16.900	18.100	E.Λ.	O.F.	33%	##
Kalochori I/C (K1) - Ionia-Diavata I/C (K2)	E.Λ.	E.Λ.	E.Λ.	E.Λ.	27.400	##	##
Ionia-Diavata I/C (K2) - Efkarpia I/C (K4)	16.400	34.400	42.000	46.000	46.000	180%	0%
Efkarpia I/C (K4) - Lagadas-Serres I/C	54.100	58.000	61.000	62.000	O.F.	15%	##
Lagadas-Serres I/C - Profitis I/C	10.800	11.600	12.500	13.200	14.400	33%	9%
Profitis I/C - Vaichori I/C	U.C.	U.C.	U.C.	13.500	14.500	7%	7%
REDINA I/C - ASPROVALTAS I/C	U.C.	U.C.	U.C.	O.F.	14.600	##	##
Asprovalta I/C - Strymonas I/C	U.C.	U.C.	U.C.	10.400	13.000	25%	25%
Ag. Syllas I/C - Lefki Ammos I/C	10.500	11.000	11.300	12.000	12.100	15%	1%
Iasmos I/C - West Komotini I/C	8.700	8.700	8.800	8.800	9.200	6%	5%
West Komotini I/C - East Komotini I/C	6.350	6.500	6.700	7.200	7.500	18%	4%
Alexandroupolis I/C - VIPE Alexandroupolis I/C	4.630	5.000	5.200	5.300	5.400	17%	2%
VIPE Alexandroupolis I/C - Ardanio I/C	4.900	5.300	5.400	5.500	5.600	14%	2%

O.F.: Out of operation  
U.C.: Under construction during the respective year

Raw data source: Department of Traffic , EGNATIA ODOS S.A., 2009



## METADATA

### Sources

Department of Traffic- Operation Directorate- Operation and Maintenance Division of EGNATIA ODOS AE., 2009.

URL: <http://www.egnatia.eu/page/default.asp?la=2&id=257>

Email: [traffic@egnatia.gr](mailto:traffic@egnatia.gr)

### Methodology

EGNATIA ODOS S.A. has developed a complete system of collecting and processing traffic counts, which in its final form will consist of a total of 65 traffic count stations (including toll stations). The systems that are used in traffic count stations are inductive loops and microwave radars, whereas counts are collected with the use of a special Telemetry software and telemetric equipment, so as to transfer data from all remote parts of the road axis to the headquarters of EGNATIA ODOS AE in Thessaloniki.

The recording of traffic by the traffic count stations is uninterrupted and continues throughout the year. The annual average daily traffic is the average of the daily volumes. When there are temporary interruptions in the functioning of a count station, those “gaps” of counts are systematically filled by similar hour/ day/ period

data of the station. Results are not presented when there is a long term interruption in the stations' operation.

Map 1. Annual Average Daily Traffic in the Egnatia Motorway, 2008

