

The Ministry's Contribution to ITS & Road Safety

by

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Ministry's policy:

- ✓ **Definition of a National Strategy for the development of Intelligent Transport Systems in Greece**
- ✓ **Operation of specific schemes within the defined framework to improve road safety, traffic and environmental conditions**
- ✓ **Encouragement of the development of innovative applications in the field of Transport**

- ✓ **Athens Traffic Management Center**
- ✓ **Development of innovative telematic applications**
- ✓ **Interoperability for Electronic Fee Collection (EFC)**
- ✓ **Speed Enforcement Cameras**

Athens Traffic Management Center

- ✓ Started its operation in July 2004
- ✓ 24 hours operation, 365 days per year
- ✓ The apparatus includes 500 loops, 208 CCTV cameras, 24 VMS and the SITRAFFIC CONCERT software by Siemens
- ✓ Primary objectives:
 - ✓ Traffic optimization of the most heavily loaded urban roads
 - ✓ Provision of real-time information to the drivers about the time needed to reach specific destinations
 - ✓ Quick incident response
 - ✓ Collection, analysis and use of collected traffic data
 - ✓ Real-time intervention in the signal programs

Athens Traffic Management Center – Use of VMS



Athens Traffic Management Center – Use of VMS

- ✓ **Immediate and Advance Warning messages – priority level 1
(unexpected or planned incidents)**
- ✓ **Travel-time Information messages – priority level 2**
- ✓ **Public Service Announcement messages – priority level 3**

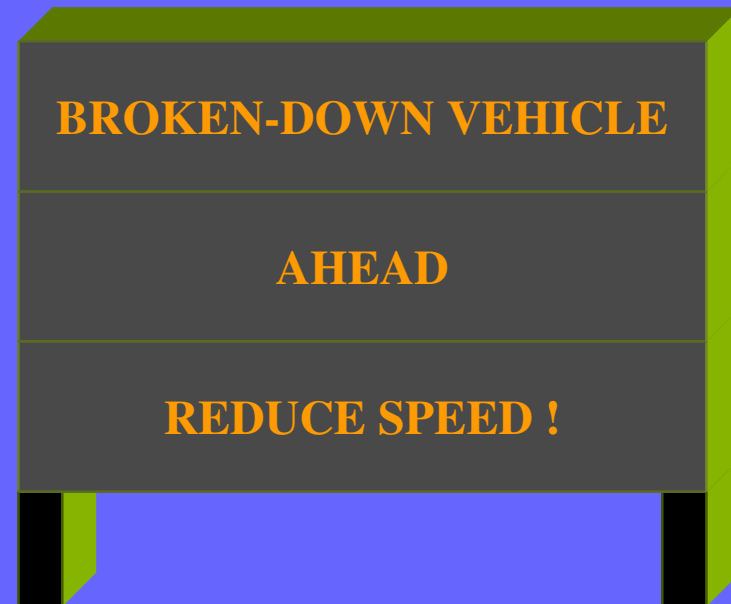
**Athens Traffic Management Center – Use of VMS –
Immediate and Advance Warning messages**

1ⁿ line: Incident Description (accident, debris on the road, etc.)

2ⁿ line: Incident Location

3ⁿ line: Effect on the user (delays, etc.)

**Athens Traffic Management Center – Use of VMS –
Immediate and Advance Warning messages**



Athens Traffic Management Center – Use of VMS – Immediate and Advance Warning messages

	Date	number	Accidents	Congestion	Demonstrations	Maintenance Work	Broken-down vehicles	Unexpected incidents	Weather conditions
2004	October	15	13%		40%			14%	33%
	November	36	31%		38%	14%	3%	11%	3%
	December	31	26%		20%	35%	3%	16%	
2005	January	15	40%		46%		7%	7%	
	February	64	34%	8%	27%	14%	8%	9%	
	March	94	34%	30%	13%	10%	9%	4%	
	April	126	41%	30%	11%	7%	6%	5%	
	May	123	35%	15%	12%	22%	10%	5%	1%
	June	156	31%	30%	10%	15%	10%	4%	
	July	150	27%	28%	9%	17%	10%	7%	2%
	August	40	47%	20%		13%	10%	10%	
	September	147	27%	25%	1%	17%	10%	12%	8%
	October	117	25%	18%	5%	16%	13%	23%	
	November	127	25%	32%	13%	7%	9%	4%	10%
	December	166	44%	22%	8%	7%	6%	13%	
2006	January	120	50%	9%	6%	4%	15%	3%	13%
	February	107	38%	13%	17%	2%	8%	17%	5%
	March	155	26%	22%	10%	21%	10%	8%	3%
	April	123	31%	20%	22%	6%	10%	11%	
	May	114	36%	19%	17%	6%	11%	11%	
	June	126	36%	19%	14%	6%	12%	12%	1%
	July	96	35%	13%	19%	10%	15%	8%	
	August	76	34%	7%	22%	17%	12%	8%	
	Sum	2324	33%	19%	13%	12%	10%	10%	3%

Athens Traffic Management Center – Use of VMS – Travel Time Information messages

- ✓ Provision of real-time information to the drivers about the time needed to reach specific destinations
- ✓ Provision of information to the drivers about possible congestion in neighboring sites

**Athens Traffic Management Center – Use of VMS –
Travel Time Information messages**



**Athens Traffic Management Center – Use of VMS –
Public Service Announcements messages**



Development of innovative telematic applications

- ✓ **In cooperation with the INFORMATION SOCIETY (I.S.)**
- ✓ **Provision of real time data (traffic flow, mean speed of the vehicles, occupancy, travel times and incidents) from the ATMC to companies**
- ✓ **Development of innovative applications in the Transport field**
- ✓ **Provision of useful pre- and on-trip services to the drivers**
- ✓ **Dynamic traffic information**
- ✓ **Effect on traffic management and road safety**

Interoperability for Electronic Fee Collection (EFC)

- ✓ **European Directive 2004/52/EC**
- ✓ **One single on-board unit**
- ✓ **Automatic toll payment**
- ✓ **Saves time on motorway tolls and hence, reduce congestion**
- ✓ **Reduce road accidents**
- ✓ **Can be used to allow for different pricing policies**
- ✓ **Currently, Electronic Fee Collection systems are operated in Attiki Odos, PATHE (Greek National Road Fund) and Rion-Antirion Bridge**

Speed Enforcement Cameras

Speed Enforcement Cameras snap a picture of the speeding car and its license plates.

- ✓ **Reduction in road casualties**
- ✓ **More consistent speed enforcement**
- ✓ **Force motorists to comply with speed limits**
- ✓ **Cost effective method**

Thank you for your attention !