

Conference on Improving Road Safety in the BSEC Region, UNECE 18th & 19th November, 2010, Ioannina, Greece

Safe road design and network management. Improved planning, design, construction, operation and maintenance

The Case of Attica Tollway (Attiki Odos)

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Road Safety in Europe

- The European Union has set an ambitious target of halving the number of road deaths between 2001 and 2010 (54,374 fatalities in 2001 for EU27).
- The 2010 target will not be reached by the target date. As many as 34,900 people lost their lives in road collisions in 2009; this is still far more than the target of 27,000 which the EU set for 2010.

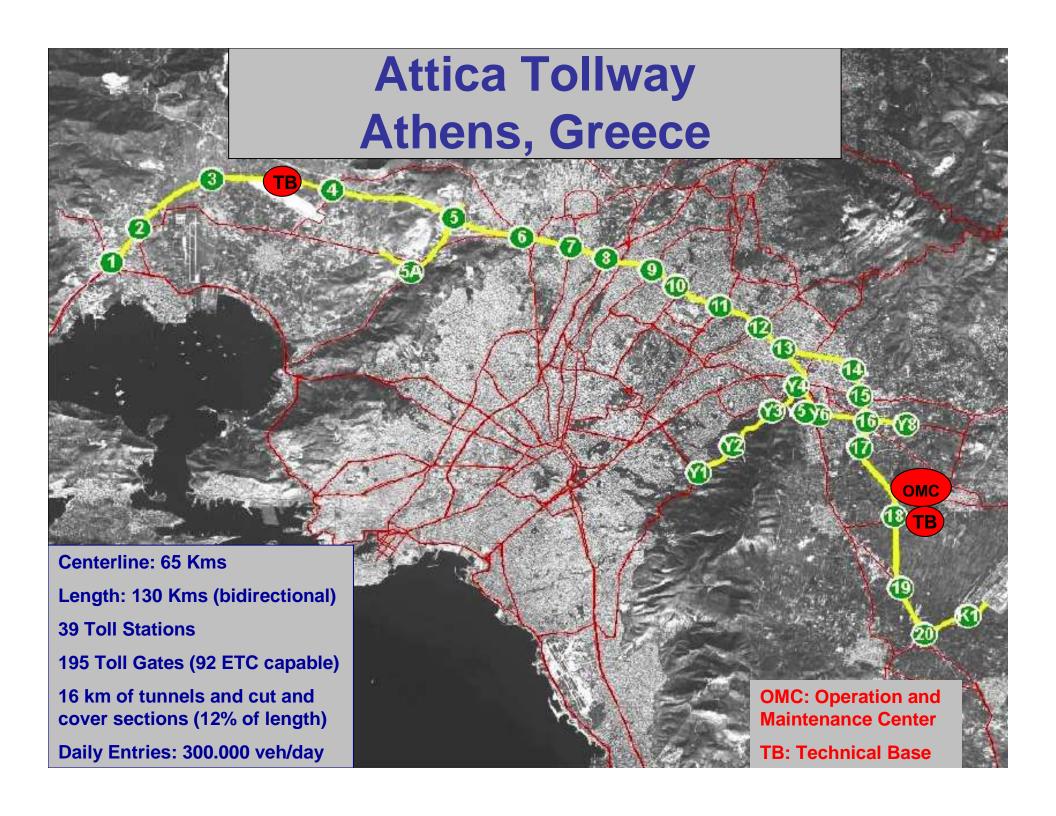




Road Safety in Greece

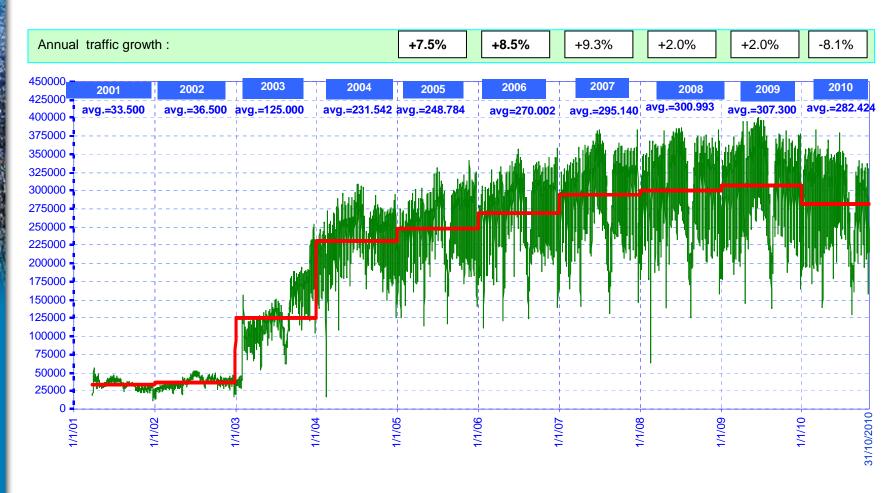
- A 23% reduction was achieved for the period 2001-2009 (1880 fatalities for 2001).
- Impossible to achieve the common European target for reducing road fatalities by 50% until the year 2010.
- Today, more than 5 people lose their lives daily (about 1500 people per year).
- A new strategic plan for the decade 2010-2020 has been launched.







Annual Average Daily Transactions (Mar. 2001- Oct. 2010)







Road Safety Statistics for Attica Tollway (2006-2009)

	2006	2007	2008	2009
Traffic Data				
Annual Average Number of vehicles entries (AADN)	270.000	295.000	301.000	307.000
Motorcycles (% of AADN)	2,54%	2,64%	2,91%	2,91%
Average distance travelled/vehicle	15,3	15,0	14,8	14,8
Indicators for Accidents				
Fatalities per 100 million Vehicle-km	0,7	0,9	0,9	0,3
% of fatalities involving motorcyclists	30%	64%	73%	60%
Accidents with injuries per 100 million Vehicle-km	4,2	6,1	5,2	6,2
% of motorcycles involved in accidents with injuries	47%	50%	49%	53%





Mission of Attica Tollway

- The main objective for the construction and operation of the Attica Tollway is the safety of its users.
- Attica Tollway introduced breakthrough standards in the Greek motorways, by providing quality road safety services.
- Traffic Safety became the core business of the Operation Agency.
- Active Traffic Management became the major component of the Traffic Safety Plan.

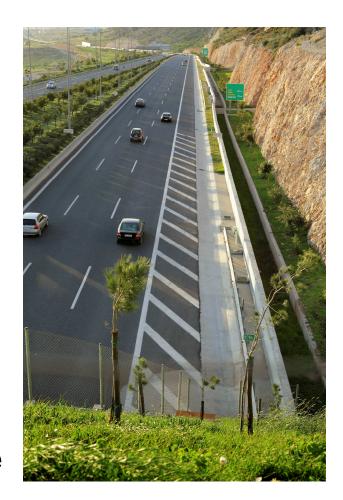






The Infrastructure

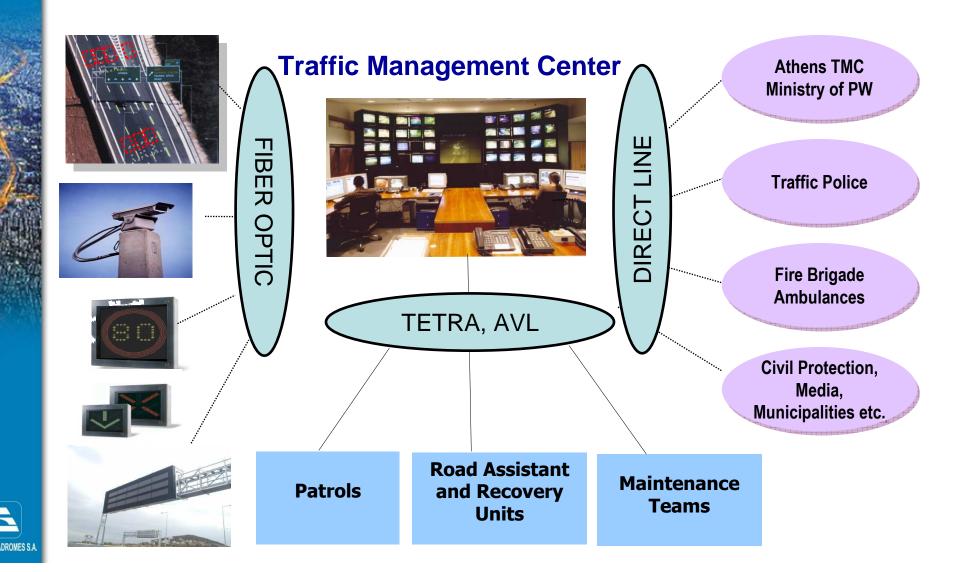
- Attica Tollway was designed and constructed on the basis of the strictest international safety specifications.
- It features high quality skid resistant asphalt pavement and full crash barrier fencing is installed along its entire length.
- Special attention has been given to providing sufficient and effective lighting along the motorway.







Active Traffic Management





Incident Management is the Key to Maintain Road Safety on the Road

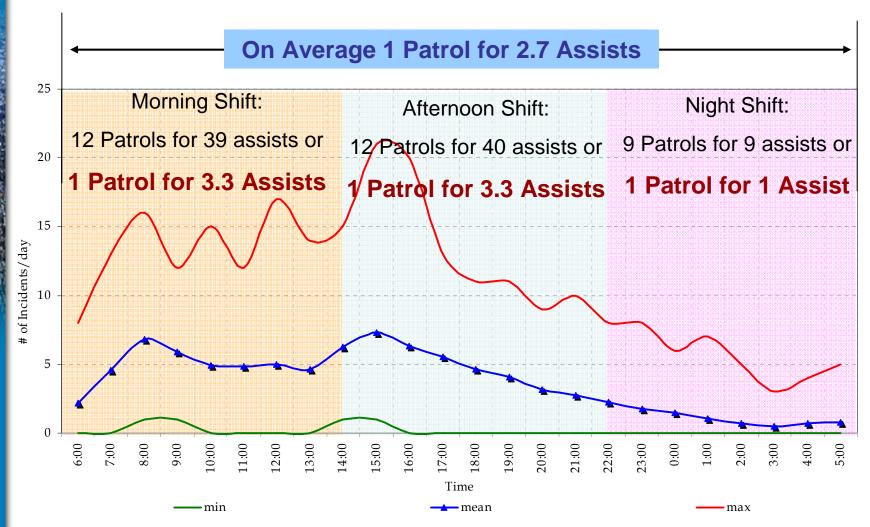
- TMC based monitoring (full CCTV cover)
- Dense patrolling on 7/24/365 basis
- Free of charge intervention and towing service
- Stand-by Assistance Units
- Emergency Hot Line (tel. # 1866)
- Cooperation with emergency services (Police, Fire, EMS etc)







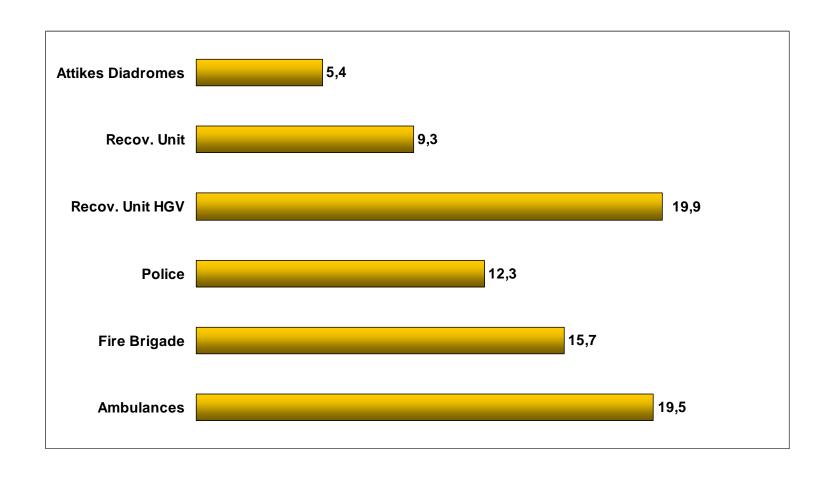
Configuration of Patrolling Service







Response Times 2009



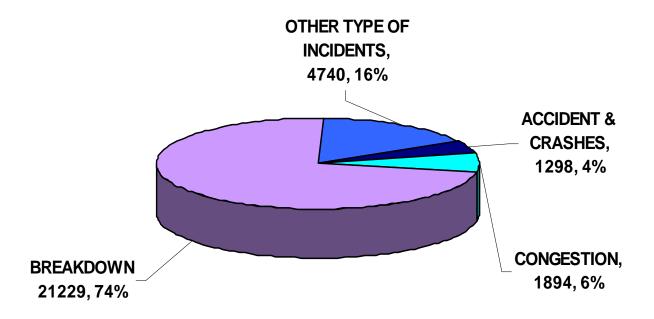




Incident Statistics 2009

Total No of incidents : 29.161

Types of incidents:



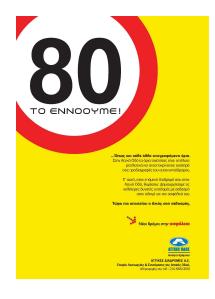


XXX = Number of Incidents, % of Total



Annual Road Safety Campaigns













Road Safety Campaigns for Children









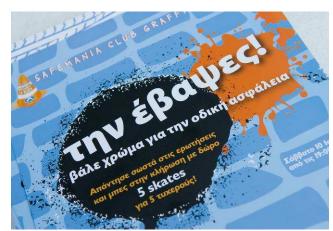




Road Safety Campaigns for Teenagers







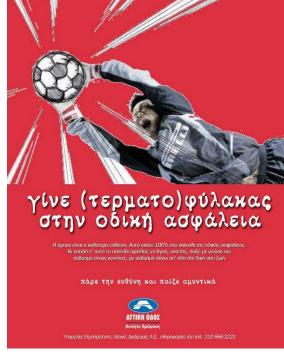






Road Safety Campaigns for Teenagers











Campaigns against Alcohol Consumption











Material for Professionals









Educational Material for Road Safety



Educational Book



Educational DVD in cooperation with HITE and Road Safety Committee



Guidelines for motorcyclists in cooperation with California Superbike School





Road Safety Gadgets and Equipment





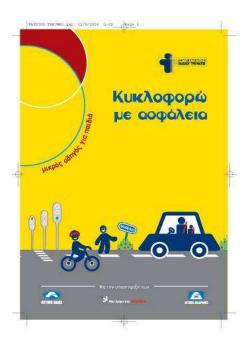








Road Safety Informative Leaflets









Organization of Road Safety Conferences & Workshops









Educational Programs for Motorcyclists









Educational Articles









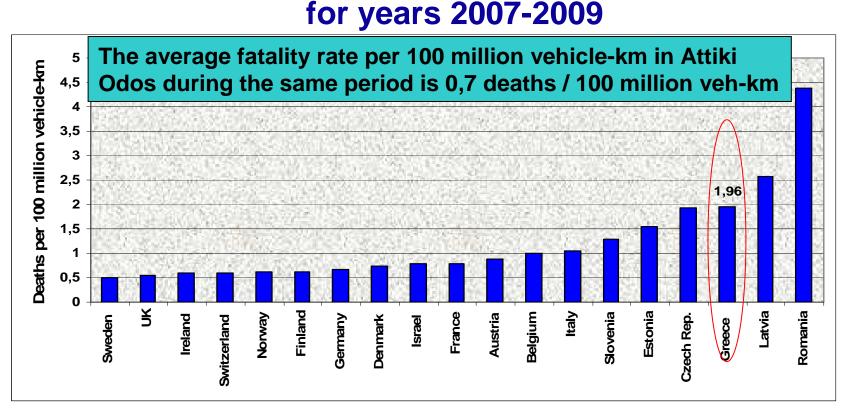






The result is an excellent safety record

Average fatality rate (per 100 million veh-km)

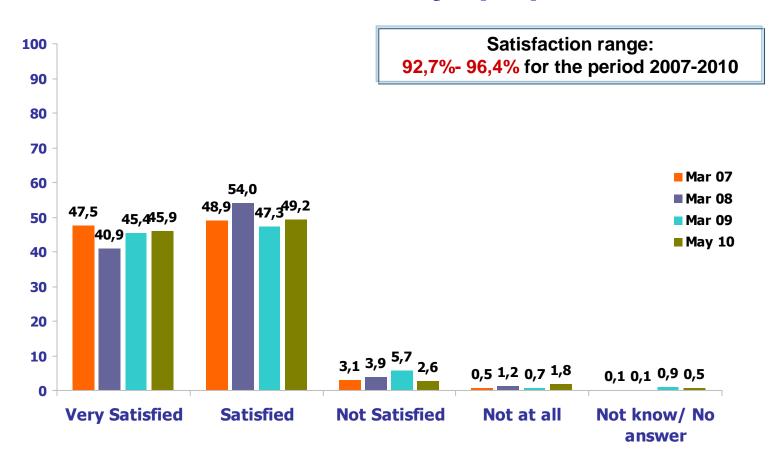




Source: European Transport Safety Council



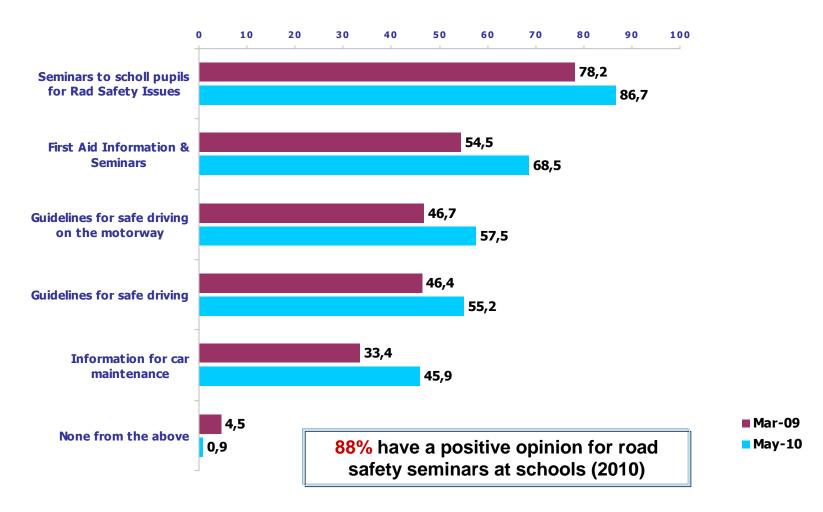
Customer Satisfaction: Feeling safe while driving on Attica Tollway (%)







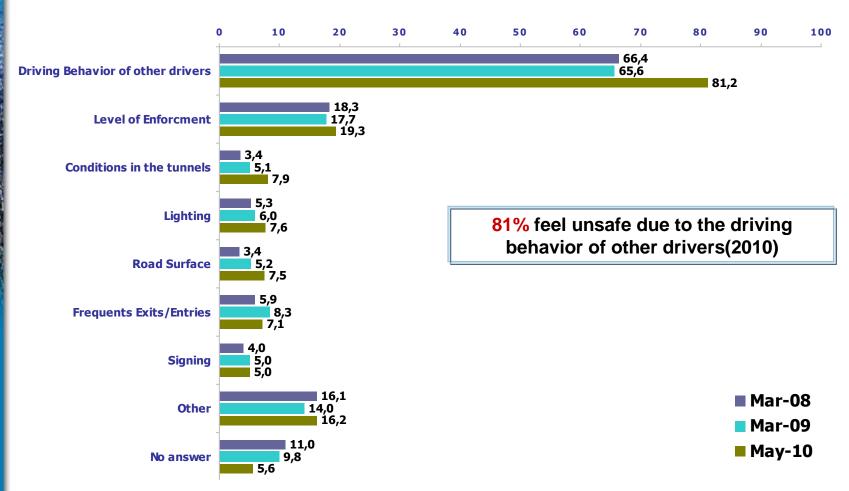
Positive opinion towards public campaigns







Reasons for feeling unsafe while driving in Attica Tollway







IRF- European Road Safety Award

Attikes Diadromes S.A. was awarded 1st prize in Road Safety "for its proactive initiatives" making Attica Tollway one of the safest motorways in Europe (2005).

IRF-International Road Federation

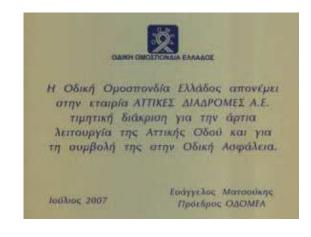






Recognition of our efforts

Award from the Greek Road Federation within the framework of the International Convention "Roads of the Future" for the contribution to Road Safety



1st Prize during the Convention "CEO & CSR 2009" for its Road Safety Campaign focused on motorcycle drivers







Recognition of our efforts

Road Safety Prize during the AUTOCAR awards "for the high standards of operations and services provided to the motorway's users" (2005)



1st Prize during the the Automotive Awards, for being the "Safest Road in Greece", based on the low car accidents indices and on the safety standards of construction and operation (2010)







Conclusions

- Greece is one of the countries with the lowest safety levels in EU.
- Attica Tollway succeeded to hold a good safety record due to numerous actions and became "a good example".
- Active incident management and proper infrastructure maintenance help to preserve the safe condition of the motorway.
- Attica Tollway's efforts are recognised not only by its users by also by prestigious International Organisations.
- Attica Tollway is dedicated to a continuous improvement on road safety.





Thank you!

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