

# HUNGARY

## GENERAL REPORT 2013

### 42<sup>nd</sup> ASECAP STUDY AND INFORMATION DAYS

26 May – 28 May 2014, Athens

## The Network

Length of the motorway network in Hungary as of 31 December 2013: 1.145 km.



From 1 November 2013 the Hungarian Public Road Nonprofit Zrt. took over the public road management activities of the State Motorway Management Company Ltd. As a result of the sector handover, the name and scope of activities of the SMMC Ltd. have changed from 1 November 2013. In results, the new name of the organization is National Toll Payment Services Private Company Limited By Shares. SMMC Ltd. will conduct its activities in connection with the national expressway and main route network of toll collection, penalty collection, and toll inspection in the e-vignette system, and toll collection, universal toll service provider, and toll inspection support activities in the e-toll system.

The length of the motorway, expressway and trunk road sections operated by the Hungarian Public Road Nonprofit Ltd Co. (MK NZrt.) as of 31 December 2013 is 997 km.

The Hungarian Public Road Company is responsible for the operation and maintenance of M1, M3, M30, M31, M35, M43, M7, M8 Motorways; M5 Motorway between sections 13-17.4, M6 Motorway between sections 14-22,3 and several expressways.

AKA Zrt. (AKA Alföld Concession Motorway Co. Ltd.) is a Concession Company and responsible for the operation and maintenance of M5 Motorway between chainage 17+400 and 173+895, total length of 156,5 km.

M6 Duna Autópálya Koncessziós Zrt. (Danube Concession Motorway Co. Ltd.) is a Concession Company and responsible for the operation and maintenance of M6 between sections 22+150 – 76+200 and M8 between sections 5+750 – 10+300 were opened to traffic on 11 June 2006.

MAK Zrt. (Mecsek Motorway Concession Private Company Limited by Share) is a Concession Company and responsible for the design, construction, operation and maintenance, and as well as the financing of the these activities on the following motorway sections: M6 Motorway section between Szekszárd-Bóly and M60 Motorway section between Bóly-Pécs, as well as the M6/M9 interchange, total length of approx. 80 km motorway, including 4 twin tube tunnels (altogether 6.026m), 9 viaducts, 2 operation and maintenance centres, 3 simple rest areas, 1 complex rest area with fuel station.

The Motorway was opened for traffic in March 2010.

M6 Tolna Autópálya Koncessziós Zrt. (M6 Tolna Motorway Concession Ltd.) is a concession company responsible for the design, construction, finance, operation and maintenance of M6 motorway between 76+200 – 141+300, were opened to traffic on 31 March 2010.

## Foreseeable Openings in 2014

Road No.	Location	Beginning	End	Length (km)
M3	Vaja (main road Nr. 49.) - Vásárosnamény	268+000	279+900	11,9
M43	Makó - border station	34+600	57+800	23,2
M86 (expressway)	Szombathely - Vát	80+770	89+980	9,2

## Foreseeable Openings in 2015

Road No.	Location	Beginning	End	Length (km)
M0 (expressway)	M1-M7	0+340	2+840	2,5
M30-main road Nr. 26.	junction	28+850	30+200	1,3
M30	Miskolc east ring road	30+200	34+650	4,4
M85 (expressway)	M1 - Enese	0+000	6+800	6,8
M85 (expressway)	Enese - Csorna	13+800	20+800	7
M85-M86	Csorna ring road M85 M86	20+800 139+250 147+745	27+000 142+624 149+600	11,6
M86 (expressway)	Szeleste - Hegyfalu	98+300	105+800	7,5

## Foreseeable Openings in 2016

Road No.	Location	Beginning	End	Length (km)
M4-M8	junction	90+875	96+055	5,2
M4	Abony - Törökszentmiklós	96+055	125+000	28,9
M86 (expressway)	Hegyfalu - Csorna	105+800	139+250	33,4

## Investments of the Concession Companies

AKA Zrt.: No more sections are foreseen to be included in this Concession. Foreseeable investments are under negotiation like expansion of rest area and new facilities along the motorway.

M6 Duna Autópálya Koncessziós Zrt.: No more sections are foreseen to be included in the Concession. Invested amount in 2013 - 0 m€, foreseeable invested amount in 2014 - 0 m€.

M6 Tolna Autópálya Koncessziós Zrt.: No more sections are foreseen to be included in the Concession. Invested amount in 2013 - 0 m€, foreseeable invested amount in 2014 - 0 m€.

MAK Zrt.: (Mecsek Concession Motorway Co. Ltd.): No more sections are foreseen to be included in the Concession. Invested amount in 2013 €1,0m, foreseeable invested amount in 2014 – €1,1m in the form of heavy maintenance. No expansion was performed or foreseen, but the Company is highly dedicated to ensuring the high quality standards of the pavement and the vicinity of the road and its facilities.

## Financing

The road user charging scheme is operated by National Toll Payment Services Private Company Limited By Shares means of e-vignettes, toll collection, penalty collection.

AKA: Project is financed by financial institutions (banks). AKA receives revenues from the State in form of availability fee during the operation period.

M6 Duna Autópálya Koncessziós Zrt.: Notes issued on the financial markets and loan from EIB, both guaranteed by a monoline insurer.

M6 Tolna Autópálya Koncessziós Zrt.: Notes issued on the financial markets and loan from EIB, both guaranteed by a monoline insurer.

MAK: Project is financed by financial institutions (banks). MAK receives revenues from the State in form of availability fee during the operation period.

## Traffic

- MK: The traffic output was  $6324 \cdot 10^6$  vehicle km in 2013; and  $6208 \cdot 10^6$  vehicle km in 2012. The growth (2013/2012 years) was 1,87 %.
- M6 Duna Autópálya Koncessziós Zrt.: The traffic output was  $217 \cdot 10^6$  vehicle km in 2012 for the M6-M8 in total; and  $264 \cdot 10^6$  vehicle km in 2013. The growth (2012/2013 years) was 21,66%.
- M6 Tolna Autópálya Koncessziós Zrt.: The traffic output was  $158,5 \cdot 10^6$  vehicle km in 2012 for the M6 in total; and  $161,5 \cdot 10^6$  vehicle km in 2013. The growth (2012/2013 years) was 1,89%.
- MAK: Annual GDP growth is not yet officially published, +0,6% expected.  
As the section operated by MAK is opened on 31 March 2010 we cannot speak about “stable network”. Please find below a table with the traffic figures of 2012 and 2013. Figures are in number of vehicles and are annual average daily traffic.

MAK:

Year	Light	Heavy	Total
2012	3.440	756	4.196
2013	3.438	646	4.085
Variation 2013/2012	0,00%	-14,55%	-2,64%

## Tolls

- for light vehicles

	weekly (10 day)	monthly	annual
D1(motor)	 1 470 HUF		
D1	 2 975 HUF	 4 780 HUF	 42 980 HUF
B2	 13 385 HUF	 21 975 HUF	 199 975 HUF

1. Table: Hungarian e-vignette gross fees (HUF)

	Weekly (10 day)	Monthly	Annual
D1 (motor)	4,90	-	-
D1	9,92	15,93	143,27
B2	44,62	73,25	666,58

2. Table: Hungarian e-vignette gross fees (EUR)

- for heavy vehicles

	 	 
• Category J2 two axles	• Category J3 three axles	• Category J4 four or more axles

Road category Environmental classification	Category J2		Category J3		Category J4	
	Expressway	Main road	Expressway	Main road	Expressway	Main road
≥EURO III.	42.42	18.05	59.52	31.24	86.70	54.08
EURO II.	49.90	21.23	70.02	36.75	108.38	67.60
≤ EURO I.	57.39	24.41	80.52	42.26	130.06	81.12

3. Table: Gross fee of road usage (HUF/km)

Road category	Category J2		Category J3		Category J4	
Environmental classification	Expressway	Main Road	Expressway	Main Road	Expressway	Main Road
≥ EURO III.	0,141	0,060	0,198	0,104	0,289	0,180
EURO II.	0,166	0,071	0,233	0,123	0,361	0,225
≤ EURO I.	0,191	0,081	0,268	0,141	0,434	0,270

4. Table: Gross fee of road usage (EUR/km; 1EUR=300HUF)

## User Charge Revenues and other revenues (net)

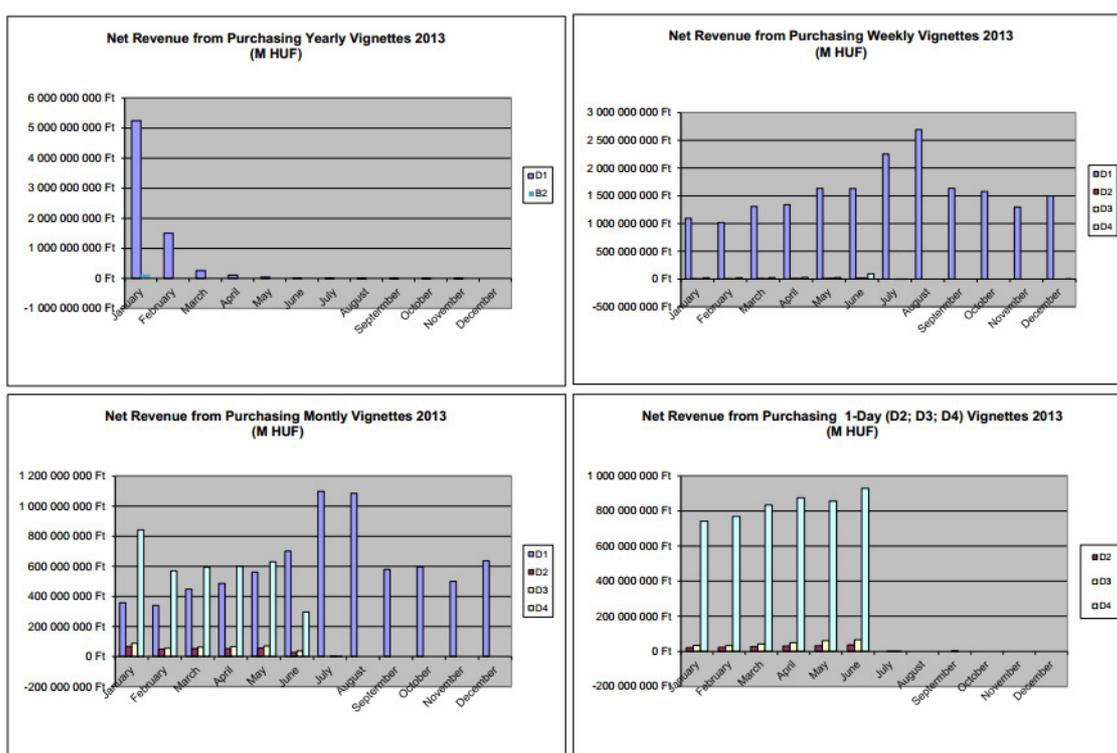
On the basis of the Concession Agreement between the Republic of Hungary and the Concessionaire, the concession companies receive revenues from the State in form of availability fee payment. The availability fee payment is paid every month and can change subject to the availability of the motorway to the users.

M6 Duna Autópálya Koncessziós Zrt.: Received revenues in 2013: 51,47 m€

MAK does not wish to public revenue figures. More than 98% of the revenue is the Availability fee income defined in the Concession Agreement throughout the 30 years concession period.

M6 Tolna Autópálya Koncessziós Zrt.: Received revenues in 2013: 41,48 m€

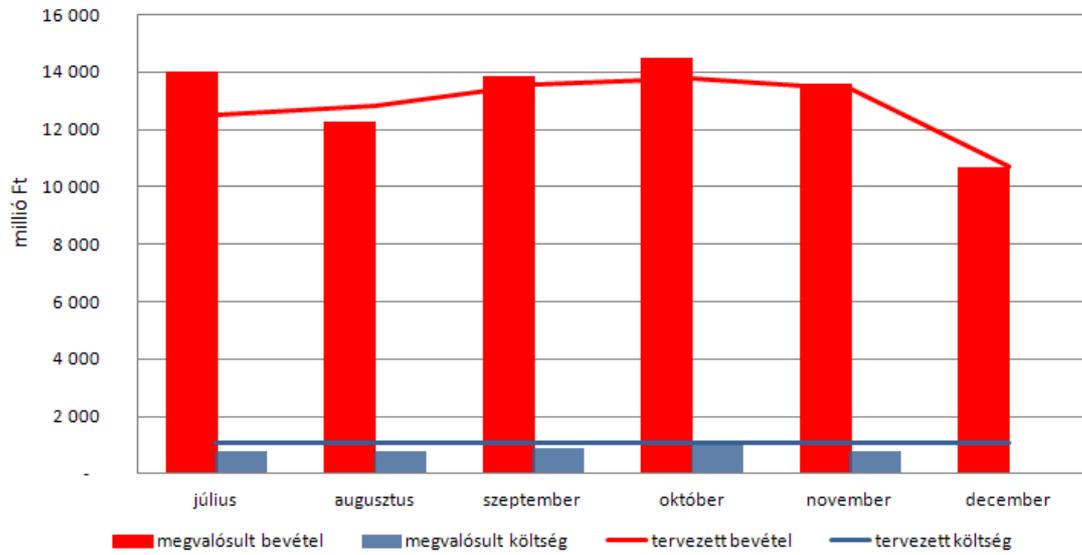
The electronic, distance-based toll system (DTS) has been introduced on 1<sup>st</sup> of July 2013, on a total of 6,500 km (from 1 December 2013) road network of the Hungarian public road network (motorways, highways, main routes).



1. Figure: E-vignette incomes 2013

### Tervezett és megvalósult bevételek és költségek, 2013. (bruttó M Ft)

(Átfolyó költségek nélkül. Az augusztus-december havi bevételeket a 2012-es napi matrica értékesítés változása alapján a tényleges bevételeket figyelembe véve becsljük)



1. Figure: Planned and realized incomes and costs in HU-GO e-toll system (Q3-Q4 2013) [source: KKK]

## Safety

Accident data	MK NZrt.		AKA Zrt.		DAK Zrt.		TAK Zrt.	
	In number for one billion km-s travelled in 2013	Variation in % in 2012/2013	In number for one billion km-s travelled in 2013	Variation in % in 2012/2013	In number for one billion km-s travelled in 2013	Variation in % in 2012/2013	In number for one billion km-s travelled in 2013	Variation in % in 2012/2013
Personal injury rate	47,8	19,8	0,05	17,9	<b>M6</b> 0,25 <b>M8</b> 0	<b>M6</b> +12,5 <b>M8</b> 0	0,04	244%
Fatal accident rate	3,24	11,7	0,005	75,4	<b>M6</b> 0 <b>M8</b> 0	<b>M6</b> 1 compared to 0 <b>M8</b> 0 compared to 0	0	0
Rate of dead	3,40	-15	0,006	125,5	<b>M6</b> 0 <b>M8</b> 0	<b>M6</b> 1 compared to 0 <b>M8</b> 0 compared to 0	0	0

MK: Based on data of the past three years the number of fatalities has been the lowest in 2013.

In 2013 the number of personal injury accidents has grown by 10,5 %, and the number of fatal accidents has grown with 8 %.

M6 Duna Autópálya Koncessziós Zrt.:

M6: The number of personal injury accidents has decreased compared to 2012 in total by 33,34% (2012: 5; 2013: 3). Nevertheless, this figure cannot be considered as representative, since the accident rate is quite low on M6, therefore slight change of it result in a high figure in percentage. There was one fatal accident on the M6 motorway in 2013, and in 2012 there was no fatal accident, that means no comparison can be calculated due to zero figure.

M8: There was 1 accident on the M8 motorway in 2013 with no personal injury.

MAK: In 2010 (Mar. – Dec.) 35 accident happened out of which 3 involved personal injury. In 2011 (Jan. – Dec.) 28 accidents happened, which is 20% less than last year, while the number of accident involving personal injury increased to 5. In 2012 30 accidents happened out of which 3 involved light personal injuries. In 2013 39 accidents happened out of which 3 involved personal injuries.

M6 Tolna Autópálya Koncessziós Zrt.:

The number of personal injury accidents has a slight increase in total comparing to the 2012 year's figures (2011: 5; 2012: 2; 2013: 7). There was no fatal accident on that section of the M6 motorway since 2011.

## Long term forecasts and tendencies

- The long term road network development plans are no longer focusing on the ambitious motorway and expressway developments that were followed in the course of the past 4-6 years. The new plans focus concentrate rather towards sustaining proper maintenance level of the regional national road connections and the existing network.
- Besides the already implemented ITS applications (e.g.: VMS, CCTV) these developments will continue and a national architecture is started to be formed.
- Further development of electronic, distance-based toll system (DBT)
- M6 Duna Autópálya Koncessziós Zrt.: The Concession Period lasts 22 years plus 11 years in option starting from 2004. The Concessionaire has no plan at the moment - beyond the normal Operation and Maintenance works - for developing the motorway. Being the Concessionaire of the M6 between sections 22+150 – 76+200 and the M8 between sections 5+750 – 10+300 that is not the scope of our duties to report such tendencies.

- MAK: The Concession Company is a special purpose company established for the design, construction, operation and maintenance of the M6/M60 motorway during a 30 years period. Construction activity was completed in March 2010 and operation and maintenance activity will be performed in the remaining concession period. Official long-term forecasts are prepared by representatives of the Hungarian State.
- M6 Tolna Autópálya Koncessziós Zrt.:The Concession Period lasts 30 years starting from 2008. Beyond the normal Operation and Maintenance works the Concessionaire has no plans for developing the motorway.

### **Significant actions already started (and/or to be achieved in 2014) and foreseen for 2015**

In the year 2012, the Hungarian Government decided to implement the electronic toll collection system in Hungary by the 1st of July 2013. As of 1<sup>st</sup> of July 2013, the electronic, distance-based toll system (DBT) was introduced on a total of 6,513 km road sections of the Hungarian public road network (motorways, highways, main routes). The legal background to DBT is provided by the Toll Act (based on Act LXVI of 2013 on distance-based toll). The new system named HU-GO will comply with the European Union requirements and the directives of the European Electronic Toll Service (EETS). The Hungarian Government has designated the State Motorway Management Company Ltd. (SMMC Ltd.) to conduct all of the tasks related to the collection of tolls and all of the bound toll services. Additionally the Company also plays a significant role in the control support tasks.

DAK: No information can be provided by the Concessionaire.

MAK: No such action is performed in 2013 and foreseen in 2014.

TAK: No information can be provided by the Concessionaire.

**Budapest, 31 March 2014**

## MAIN ASECAP KEY FIGURES

Country: <b>Hungary</b>	2013					
	AKA	MK	DAK		MAK	TAK
			M6	M8		
Network length: 1,145 km 2 x 2 lanes .....  2 x 3 lanes .....  2 x 4 lanes.....	156,5	997	54,05	4,55	80	65,1
No. of km in construction	-	155 km	-	-	-	-
Annual user charge revenue	189.23 m€					
Permanent staff	15	1,035	5	5	6	5
Average daily traffic (LV)	18,501	22,907	10,956	1 422	3.438	5710
Average daily traffic (HV)	5,819	4,813	2 232	1 144	646	1088
Average daily traffic (LV+HV)	24,321	18,011	13 188	2 566	4.084	6798
Total number of accidents	452	2,092	66	1	39	44
No. of personal injury accidents	73	310	3	0	3	7
No. of dead	9	22	1	0	0	0
No. of toll plazas	-	-	-	-	-	-
No. of toll lanes	-	-	-	-	-	-
No. of teletoll equipped lanes	-	-	-	-	-	-
No. of teletoll subscribers	-	-	-	-	-	-
No. of rest areas (with stations services)	12	52	4	0	1+1	4
No. of rest areas	18	119	4	0	3+3	4
No. of restaurants	4	35	0	0	0	0
No. of hotels	3	11	0	0	0	0