Draft Environmental and Social Action Plan (ESAP)
For M6-M60 Motorway, Sections between Szekszard-Boly, and Boly-Pecs

No	Action	Environmental Risks, Liability/ Benefits	Legislative requirement / Best practice	Investment Needs/Resources Costs	Timetable Action to be Completed by End of Year	Target and Evaluation Criteria For Successful Implementation	Comment
Project preparation, permits and licences							
I.1	Preparation of Organization Plan for Construction, including inter alia: • Location of borrow pits to be used • Routes of construction traffic • Volume and type of construction vehicles • Location of construction camps	Determinations of routes of construction traffic, location of borrow pits and construction camps.	Best practice and partly is required by the Environmental Permit	Management time	Before start of construction(in 2008)	Organization Plan is submitted to the Project Management (NIF)	Responsibility of Mecsek Consortium
I.2	Establishing the Construction Environmental and Social Management Plan to include: • Environmental and social safeguard measures (including compensation procedures) • Monitoring • Final Public Consultation and Disclosure Plan	Definition of clear responsibilities to the Environmental and Social Action Plan.	Best practice.	Management time and Expert fees	As soon as possible (2007-2008)	Construction Environmental and Social Management Plan	Incorporated into the Organization Plan See PCDP details below
I.3	Conducting a baseline survey of the built and natural environmental conditions along the selected construction traffic routes	Specification of sensitive areas Baseline for compensation of damages, if occur.	Act No.LIII/1995. and best practice.	Expert fees	Before start of construction (in 2008)	Study on the built and natural environmental conditions	
I.4	Obtaining licenses to the explosion works to be carried out in borrow pits	Compliance with the applicable Hungarian Law	No. 96/2005. (XI. 4.) GKM Decree.	Management time, costs of technical assistance	Before start of construction (in 2008)	Permit to explode in borrow pits is obtained.	If explosion is necessary
I.5	Preparation and submission of EIA, in case alternative design is to be used	Compliance with the applicable Hungarian law	314/2005. (XII. 25.) Governmental Decree on Environmental Impact Assessments	Expert fees and administrative charges	3 months before the submission of Construction Permitting Documentation is to be obtained.	Environmental Permit is obtained	Only in case of alternative design is to be used

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I.6	Preparation and submission of new Contraction Permitting Documentation including Environmental Chapter, in case alternative design is to be used	Compliance with the applicable Hungarian law	Act No. LXXVIII/1997.		Before Detailed Construction Design (in 2008)	Construction Permit is obtained	Only in case of alternative design is to be used
I.7	Preparation and submission of new Water Management Permitting Documentation for Construction of new hydraulic objects as per alternative design	Compliance with the applicable Hungarian law			Before start of Construction (in 2008)	Construction Water Management Permit is obtained.	Only in case of alternative design is to be used
Social management							
II.1	Finalisation of the Public Consultation and Disclosure Plan	Tasks and responsibilities are clearly identified	Best practice, World Bank guidelines	Management time	As soon as possible (2007-2008)	Final PCDP	
II.2	Communication of time schedule of the Project through different media.	Local communities can prepare for nuisances	Best practice	Costs of media disclosures	As soon as possible (2007-2008)	Information channels (news, websites, local announcements, information offices)	In accordance with PCDP
II.3	Communication of time and location of explosion works, and the location of construction traffic.	Local communities can prepare for nuisances	Best practice.	Costs of media disclosures	Before start of construction, then continuously (2008-)	Information channels are operated, as above.	In accordance with PCDP
II.4	Setting up and operating grievance processes and procedures.	People can communicate the negative impacts of construction and also their complaints related to expropriation (if any) and the solutions are to be found in time.	Best practice	Operational costs of information offices	As soon as possible, then continuously (2007-2010)	Management reports on the operation of grievance procedures	In accordance with PCDP

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II.5	Preparation and operation of Occupational Health and Safety Plan for the construction, including: • Occupational Health & Safety Policy • Organizational framework, operating procedures, competence, training program and documentation • OHS objectives • Hazard prevention • Prevention and Control measures • Performance monitoring and measurements • Evaluation, feed back • Control of ages of workers	Prevention of construction injuries, child labour.	Best practice. ILO requirements. Hungarian Labour Code	Management time.	Before the start of construction, and then continuously. (2008-)	Health and Safety Plan.	
II.6	Safety campaign in schools located in settlements nearby the motorway	Prevention of pedestrian crossing of children on the Motorway	Best practice	Management time, cost of trainer	Before the start of operation (2010-)	Management report on school campaigns held.	
II.7	Refining and implementing expropriation procedures and grievance procedures, including public consultation and disclosure of the processes and procedures	Minimizing negative social affect due to expropriation.	Law World Bank Guidelines	Management time,	During construction and operation (2008-)	Public information, and monitoring reports on the operation of grievance procedures	In case further expropriation is necessary
II.8	Communication of the results of Environmental Monitoring (primary noise and air quality) to the public.	Avoiding negative reputation of the highway.	Best practice	Management time	During construction and operation (2010-)	Media publications	
II.9	Stakeholder analysis and assessment of affected communities on the basis of demographic and economic data.	The social benefits and impact of the highway can be determined	Best practice	Management time, Expert fee of Stakeholder analysis.	During construction and operation (2010-)	Stakeholder analysis report, Socio-economic studies	

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Construction							
III.1	Implementation and monitoring of the approved Construction Environmental and Social Management Plan.	Maintain local community support.	Best practice and required by the Environmental Permit	Management time and expert fees.	2008-2010	Management reports + reports to authorities, financing institutions and other stakeholders	
III.2	Preparation, operation and communication of road maintenance plans for construction period	Ensure on-going maintenance of roads impacted by construction traffic	Best practice	Management time	Before the start of construction, then continuously (2008-)	Road maintenance Plans, Construction Contractors reports on maintenance activities performed.	
III.3	Preparation and operation of • Water, • Wastewater, • Waste management plans	Mitigation of any adverse affects for construction site activities, construction camps that could be generated by the operation of construction machinery and the workers' presence.	Best practice and partly is required by the Environmental Permit	Management time	Before the start of construction, then continuously (2008-)	Construction Contractor reports on the execution of Water, Wastewater, and Waste management plans.	
III.4	Preparation and operation of Groundwater/Surface water protection plan with special attention to the locations of drinking water reserves	Ensuring the prevention of surface water, groundwater by the operations of construction against accidental spillages (oils, lubricants, or other hazardous substances)	Preventive measures for surface and groundwater are required by the Environmental Permit.	Management time	Before the start of construction, then continuously (2008-)	Construction Contractor reports on the execution of on the execution of Groundwater/Surface Water protection plans.	
III.5	Preparation of Air Quality protection plan	Ensuring the mitigation of adverse affects on air quality due to earth works, and construction traffic (planning the location of water sprinkles and wheel washing facilities, covering filled lorries, building material dumping site locations)	Preventive measures for air quality pollution required by the Environmental Permit.	Management time	Before the start of construction (in 2008)	Construction Contractor reports on the execution of Air Quality Protection Plan	

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III.6	Preparation of Construction Noise and Vibration Assessment based on detailed Organization Plan including: • Surveying of any protected objects in the construction routes, checking whether noise limits values are met. • Design of temporary noise barriers • Monitoring of noise standards during construction	Noise protection of sensitive areas	8//2002, (III.22) KoM-EuM Decree on noise threshold values	Based on proposals for Noise and vibration study on construction noises and its mitigation.	Before the start of construction (in 2008)	Construction Noise and Vibration Assessment. Constructor Contractor reports on the Noise and Vibration Monitoring Measurements.	
III.7	Implementation measures to protect landscape as per the Environmental permit (commencing planting activity during construction)	Reducing landscape impacts during construction.	Best practice and it is required by the Environmental Permit.	Management time, and some cost of soil/flora management.	From the beginning of the construction continuously. (2000-2010)	Satisfaction of requirements of the Environmental Permit.	
III.8	Designing and communicating good practices during construction site management in order to prevent any ecological adverse affects.	Protection of natural environment.	Best practice.	Management time	From the beginning of the construction continuously. (2000-2010)	Continuous management control of construction works.	
IV.9	Establishment and implementation of archaeological supervision plan	Potential archaeological remains will be excavated before they are covered by construction materials.	It is required by the Environmental Permit.	Management time	During Operation (2008-2010)	Minutes on archaeological supervision visits	
Operation							
IV.1	Implementation and monitoring of the approved Construction Environmental and Social Management Plan.	Maintain local community support.	Best practice and required by the Environmental Permit	Management time and expert fees.	2008-2010	Management reports + reports to authorities, financing institutions and other stakeholders	
IV.2	Performing soil, sludge, and surface water monitoring measurements as required by the Environmental Permits.	Ensuring that soil/groundwater pollution does not occur, or if occurs, adequate remediation is performed.	It is required by the Environmental Permit.	Cost of soil/sludge/water analysis.	Regular performance as Environmental Permit.	Operator's report on measurements result, submitted to the relevant Environmental Authority.	

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IV. 3	Set up Operational Air Monitoring Plan	Compliance with the applicable Hungarian Law.	• 21/2001. (II. 14.) gov. decree on air quality protection • 14/2001. (V. 9) KoM-EuM-FVM decree on air quality limit values • 17/2001. (II.14) KoM decree on air quality monitoring	Management time	Before start of the operation	Operational Air Monitoring Plan	
IV.4	Set up Operational Noise Monitoring Plan	Compliance with the applicable Hungarian Law.	8/2002.(III.22) KoM-EuM decree on noise limit values	Management time	Before start of the operation	Operational Noise Monitoring Plan	
IV.5	Controlling effectiveness of noise barriers designed to mitigate noise impacts of operation through noise measurements.	Ensuring that prevention tools for noise impact are working effectively.	Best practice.	Cost of noise measurements	After start-up period of the highway (2010-2011)	Legislative limit values as per 8/2002.(III.22) KoM-EuM decree are met.	
IV.6	Set up Operational Waste Management Plan for collection and management of waste originated from: • The highway itself, • Rest areas • Maintenance and servicing sites	Compliance with the applicable Hungarian Law.	• 164/2003. (X.18) Gov. decree on administration of waste generation • 126/2003. (VIII.15) gov. Decree on Waste management plans • 98/2001. (VI.15) Gov. decree on hazardous wastes	Management time	Before start of the operation (2009, the latest)	Operational Waste Management Plan	

EIA: Environmental Impact Assessment
PCDP: Public Disclosure Plan
NIF: Nemzeti Infrastrukturafejlesztesi Zrt. (the Project management company representing the Hungarian State)