

**Report on Environmental and Social Compliance of  
the Management and Operations Systems of the  
Implementing agencies (CR, CM and RZM) within  
the project "Modernization and Restructuring of  
the Road Sector" (MARS)**



**December, 2018.**

RIJEKA – ZAGREB MOTORWAY p.l.c. - ACTION PLAN

MEASURE	ACTIVITIES	COMPETENCE
<b>1. OBJECTIVE: Ensure the continuity of inclusion of environmental and nature issues during project cycles</b>		
1.1. Ensure the expertise and quality of environmental and nature monitoring	1.1.1. The environmental service should always define qualitative criteria for external co-workers and motorway workers who carry out monitoring of the environment and nature (eg experience in similar jobs).	Procurement service
	1.1.2. In tenders for procurement of environmental and nature monitoring services, always include qualitative criteria for a specialist or a legal entity that will ensure quality (eg experience in similar jobs).	
	1.1.3. In the bidding process for works, the request for affirmation of independent bodies confirming the compliance of the economic operator with certain systems or environmental management standards (in accordance with the Public Procurement Act).	
<b>2. OBJECTIVE: Ensure financing to improve the functioning of environmental protection and nature</b>		
2.1. Increase the share of projects co-financed by the EU and Croatian funds to improve the functioning of environmental protection and nature	2.1.1. In co-operation with experts, make new proposals for projects that can be funded from EU funds and other sources, to develop and make them eligible for funding.	Technical sector, Preparation service
	2.1.2. Active co-operation with potential stakeholders and collaborators in developing project proposals.	
<b>3. OBJECTIVE: Monitor and measure key environmental indicators for the sake of easier visualization of weak points and defining suggestions for improvement.</b>		
3.1. Define all key environmental indicators related to road maintenance and management (in the section that is beyond the scope of cooperation with the HAC)	3.1.1. Continue mandatory implementation of environmental protection measures and monitoring programme in accordance with the EIA Decisions issued by competent bodies; consolidating data for the purpose of improving implementation.	Technical sector, Main engineer for Environmental Geotechnics
	3.1.2. Monitor environmental impacts through water, electricity and fuel consumption of vehicles, and introduce improvement measures based on the analyzed data.	
	3.1.3. Monitor the environmental impact through the types and numbers of exceedances of permitted concentration limits - air, water, soil, non-conformities associated with handling	

MEASURE	ACTIVITIES	COMPETENCE
	<p>and storage of hazardous substances, releasing hazardous substances, controlling the drainage system and making data measurements based on data analysis</p> <p>3.1.4. Monitor environmental impacts through the quantities and types of waste, non-conformities associated with handling and storage of waste, ecological accidents and take improvement measures based on the analysis of collected data.</p> <p>Plan measures in accordance with data and trends. Regularly carry out planned maintenance work on a controlled drainage system, including disposal of waste from the separator along the motorway.</p> <p>Identify the causes of occasionally elevated concentrations of contamination at the discharge of precipitation water from the separator and eliminate the same.</p> <p>3.1.5. Monitoring environmental impacts based on the findings and reports of environmental protection inspections, and consolidating database of all data mentioned under this measure for the purpose of effecting improvements.</p>	
<p><b>4. OBJECTIVE: Ensuring the favorable motorway passage for animals and reducing the mortality of animals on the motorway</b></p>		
<p>4.1. Improve the treatment system in the appearance of animals on motorway</p>	<p>4.1.1. Develop a Single Protocol on the ways of Communication and the Treatment of Animals, which will unify the existing Protocol on the ways of Communication in case of animal disposal (where is involved only communication) and with an improved system of tracking data add the method of disposal as well as define the treatments with live or injured animals on a motorway, for each of the following categories: strictly protected species (in accordance with the Nature Protection Act and the Ordinance on strictly protected species), hunting game (in accordance with the Hunting Act) and domestic animals.</p> <p>Also provide assistance to experts in identifying animal species that are more difficult to distinguish (as required) and all of the above mentioned can be achieved in accordance with applicable legislation, through cooperation with the Ministry of Agriculture (Veterinary Directorate) and other competent institutions..</p> <p>4.1.2. Periodically educate maintenance staff on compliance with the procedures prescribed by the aforementioned Protocol. This applies also to the employees of the Implementing</p>	<p>Technical sector, Main engineer for Environmental Geotechnics</p> <p>* see note 1)</p>

MEASURE	ACTIVITIES	COMPETENCE
	agency as well as to the staff of the Contractor with whom these jobs will be contracted through maintenance contracts or in any other way.	
	1.1.3. Provide assistance to experts in identifying animal types that are more difficult to distinguish if such professional support is not defined by the above-mentioned Protocol.	Technical sector, Main engineer for Environmental Geotechnics
	4.1.4. Define areas with higher incidence of medium and large mammals within the fence	
	4.1.5. Provide the work of the intervention team for the animals on the motorway for each of the following categories: strictly protected species in accordance with the Nature Protection Act and the Ordinance on strictly protected species), hunting game (in accordance with the Hunting Act) and domestic animals.	
	4.1.6. Ensure the implementation of the Wildlife Protection Program (for non-living areas).	* see note 1)
	4.1.7. Carry out a GIS database with detected and injured animals inside the enclosed motorway area.	Technical sector
4.2. Ensure passage for animals on the green bridge Dedin	4.2.1. Conduct continuous monitoring of wildlife transitions across the Green Dedin Bridge and other relevant passages / transitions. Based on the results, make further improvement measures.	
	4.2.2. Revise the definition of a favorable state on the green bridge Dedin	
	4.2.3. Monitor the functionality of the Green Dedin Bridge (Establish Monitoring and Maintaining a Favorable Condition on the Green Dedin Bridge).	
4.3. Include ARZ services in drafting local spatial planning and management plans (Natura 2000 and protected areas)	4.3.1. Involve ARZ Environmental Services Personnel in the development of spatial plans of wider areas through the motorways.	
	4.3.2. Involve ARZ Environmental Services Personnel in drafting Natura 2000 management plans on protected areas along the motorway.	

MEASURE	ACTIVITIES	COMPETENCE
	4.3.3. Define (map) animal transitions and the needed area for their long-term functionality and to form and maintain a GIS database.	
<b>5. OBJECTIVE: Ensure the protection of water (water bodies) in the motorway area</b>		
5.1. Improve separator efficiency (if co-operation It isn't contracted with the HAC)	5.1.1. In co-operation with Croatian Waters, organize monitoring of the status of water bodies on which the motorway may have a negative effect or effect and on the basis of data analysis to take improvement measures.	Technical sector
5.2. Improve separator efficiency (if co-operation It isn't contracted with the HAC)	5.2.1. Determine reasons for occasional high concentration of pollution on separator wastewater discharges **	Technical sector ** see note 2)
	5.2.2. Optimize separator depletion monitoring dynamics (precipitate thickness) and customize dynamics of cleaning	Technical sector, Professional Coordinator for tracking contract of maintenance and tolls
	5.2.3. In the annual environmental report, besides the current situation, include an analysis and action plan for reducing the reported negative effects in the previous / current year	
5.3. Build a controlled drainage system on the Kikovica - Orehovica A6 motorway	5.3.1. Create projects and run controlled drainage system at Kikovica - Orehovica motorway A6 **	Technical sector *** see note 3)
<b>6. OBJECTIVE: To comply with the statutory obligation to designate a safety officer</b>		
6.1. Allow occupational safety authorities	6.1.1. Develop a Training Plan for Occupational Safety Authorities	Technical sector, Senior Associate for Occupational Safety and Fire Protection
<b>7. OBJECTIVE: Raise the level of implementation of basic, special and recognized rules of occupational health and safety (OHS)</b>		
	7.1.1. Create a Workshop Plan for Individual Parts (Locations) of the Implementing agency.	Technical sector,

MEASURE	ACTIVITIES	COMPETENCE
7.1. To hold workshops on: Supervision in the Safety and Security at Work (OHS)		Senior Associate for Occupational Safety and Fire Protection
<b>8. OBJECTIVE: Make Risk Assessment Clearer and More Useful for Workers</b>		
8.1. Renew the Risk Assessment	8.1.1. Establish a Risk Assessment Team and Create a Plan. Make the Risk Assessment clearer and more useful for workers in a way that gives a clear picture of the workplace risks that workers are doing and to clearly point the workers to the measures they need to undertake when carrying out works.	Technical sector, Senior Associate for Occupational Safety and Fire Protection
<b>9. OBJECTIVE: Raise Quality Management Level of Implementing agency to Increase or Improve occupational health and safety (OHS)</b>		
9.1. To hold workshops on: Integrated Management and Safety and Security at Work	9.1.1. Create a Workshop Plan for Individual Parts (Locations) of the Implementing agency.	Technical sector
<b>10. OBJECTIVE: Raised levels of interdisciplinary human resource expertise for land acquisition and involuntary resettlement</b>		
10.1. Training of Employees	10.1.1. Continuously invest in interdisciplinary training of employees by providing examples of best practice of land acquisition and involuntary resettlement.	Professional, legal and insurance services
10.2. Involvement of experts in sociology	10.1.2. When planning new routes, that is in the course of developing spatial planning studies, apart from experts in the field of environmental protection, involve other experts, even experts in sociology, for the purpose of considering sociodemographic and socioeconomic needs of the inhabitants settling the area included in the location of the intended road project and for the purpose of establishing effective communication with local communities.	Technical sector
<b>11. OBJECTIVE: Raise the efficiency of the organization for land acquisition and involuntary resettlement</b>		
11.1. Investing in information system	11.1.1. Improve real estate recording system (purchased, expropriated, unsolved, etc.) with a possibility of adding interactive interface and completely digitizing data.	Professional, legal and insurance services
11.2. Transparent investments in land acquisition real estate	11.2.1. Publish on website all consolidated annual financial statements on the financial resources spent on settling property-related legal matters in the land acquisition procedures.	Technical sector, Main engineer for

MEASURE	ACTIVITIES	COMPETENCE
		Environmental Geotechnics
<b>12. OBJECTIVE: Reduce organizational exposure to court / administrative proceedings</b>		
12.1. Develop the Ordinance on Land Acquisition	12.1.1. The Ordinance shall stipulate provisions that would further prescribe the treatment of employees in land acquisition procedures with proactive activity aim.	Professional, legal and insurance services
12.2. Legalization of facilities	12.2.1. Intensify conducting activities related to real estate registration / legalization of constructed facilities and overall road infrastructure.	Professional, legal and insurance services
<b>13. OBJECTIVE: Improve the company's public image</b>		
13.1. Public participation and access to information	13.1.1. Maintain a proactive stance on involving the public in the process of obtaining project location permits, on avoiding expropriation procedures due to negative publicity, and increasing the number of peacefully resolved property-related legal matters.	Technical sector
	13.1.2. Regular training concerning ways of communicating with and informing the public.	Whole Implementing agency