

SFG1952

AZERBAIJAN REPUBLIC



MINISTRY OF TRANSPORT

“AZERROADSERVICE” OPEN JOINT STOCK COMPANY

# AZERBAIJAN MOTORWAY IMPROVEMENT AND DEVELOPMENT

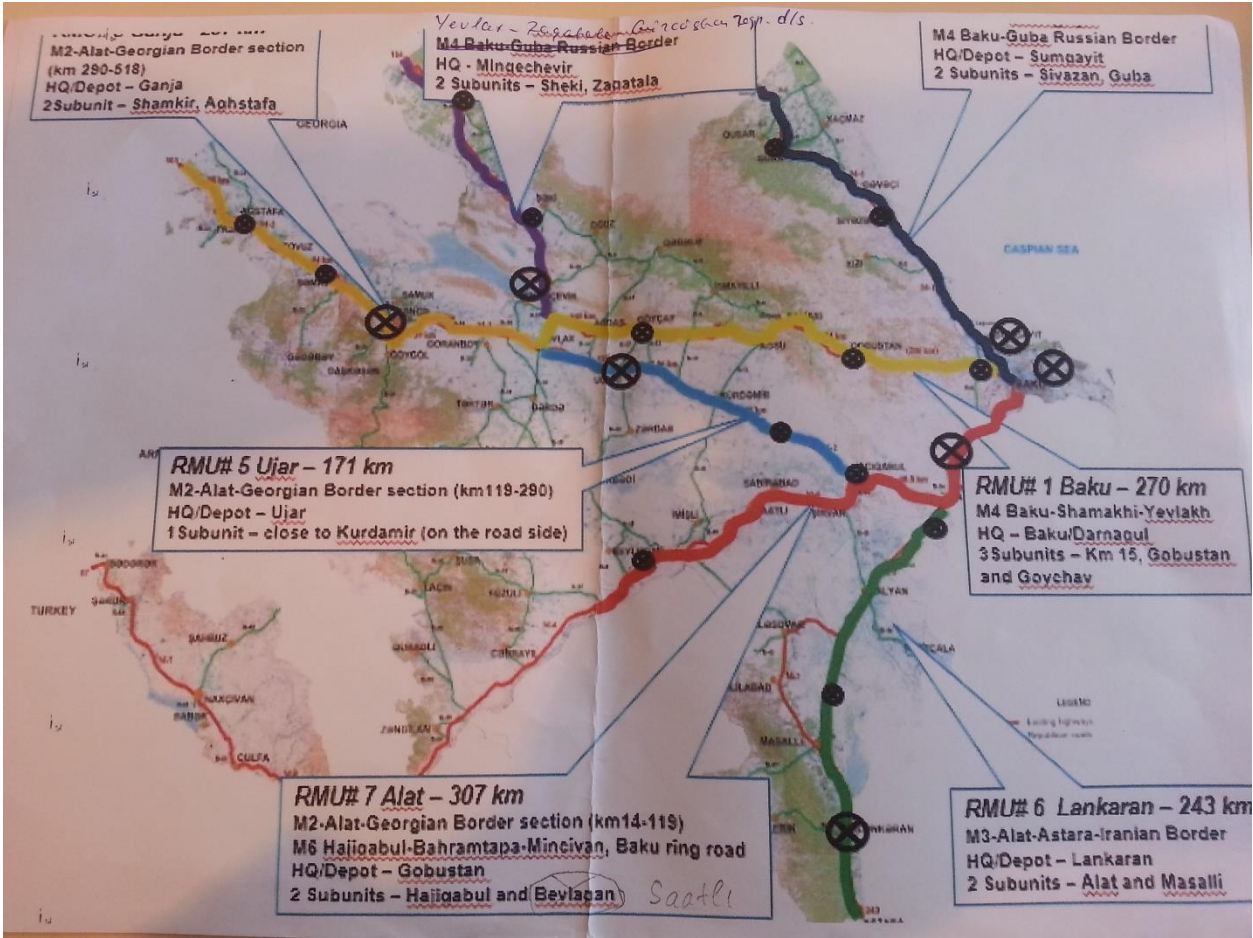
## Baku – Shamakhi Road Widening

ADDENDUM TO ENVIRONMENTAL ASSESSMENT &  
MANAGEMENT FRAMEWORK PREPARED IN 2005 AND  
UPDATED IN 2009 FOR THE ORIGINAL HIGHWAY III PROJECT  
ON THE PROPOSED RECONSTRUCTION OF MAINTENANCE  
FACILITIES



October 2015

Based on the intention from the Bank implementation of the highway maintenance reforms prepared under the consultancy financed by the Third Highway Project and stands at the core of the future cooperation between the Bank and the government counterparts in the road sector. It is planned to have reorganization of motorway maintenance system to ensure better service to constructed R and M road network. For these purposes seven different maintenance units among others currently operating throughout Azerbaijan will be set up in the seven regions of Azerbaijan.



Each of the maintenance units will be responsible for maintenance of some sections of R and M roads. For these purposes the Units will have their further reconstruction/ construction activities based on their current conditions. It is assumed that the territories of the Maintenance Units will be provided with offices, road construction techniques maintenance/ repair areas, some may require construction of guest rooms for engineers temporary assigned to the site works, canteens, WC, etc.

Exact location and destination of these facilities not known yet, thus, it is assumed as part of site specific design the site specific EMP will be developed for each particular maintenance facility. Such EMP will be applied by a detailed site assessment which will identify environmental features and environmental sensitivities to be addressed by respected SSEMPs. Should the reconstruction activities be minor the EMP can be prepared in accordance with the check list sample, attached to this file. In case of more significant interventions the site specific EA will also be done. SSEMP will be disclosed locally as they get ready.

## EMP Checklist for Construction and Rehabilitation Activities

### PART A: GENERAL PROJECT AND SITE INFORMATION

INSTITUTIONAL & ADMINISTRATIVE				
Country	<b>Azerbaijan</b>			
Project title				
Scope of project and activity	Small construction works for buildings rehabilitation within SD project			
Institutional arrangements (Name and contacts)	WB (Project Team Leader)	Project Management	Local Counterpart and/or Recipient	
Implementation arrangements (Name and contacts)	Safeguard Supervision	Local Counterpart Supervision	Local Inspectorate Supervision	Contactor
SITE DESCRIPTION				
Name of site				
Describe site location				Attachment 1: Site Map [ ]Y [ ] N
Who owns the land?				
Description of geographic, physical, biological, geological, hydrographic and socio-economic context				
Locations and distance for material sourcing, especially aggregates, water, stones?				
LEGISLATION				
Identify national & local legislation &				

permits that apply to project activity	
<b>PUBLIC CONSULTATION</b>	
Identify when / where the public consultation process took place	
<b>INSTITUTIONAL CAPACITY BUILDING</b>	
Will there be any capacity building?	<input type="checkbox"/> N or <input type="checkbox"/> Y if Yes, Attachment 2 includes the capacity building program

**PART B: SAFEGUARDS INFORMATION**

<b>ENVIRONMENTAL /SOCIAL SCREENING</b>			
	<b>Activity</b>	<b>Status</b>	<b>Triggered Actions</b>
Will the site activity include/involve any of the following??	A. Building rehabilitation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section <b>A</b> below
	B. New construction	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section <b>A</b> below
	C. Individual wastewater treatment system	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section <b>B</b> below
	D. Historic building(s) and districts	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ??	See Section <b>C</b> below
	E. Acquisition of land <sup>1</sup>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section <b>D</b> below
	F. Hazardous or toxic materials <sup>2</sup>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section <b>E</b> below
	G. Impacts on forests and/or protected areas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section <b>F</b> below
	H. Handling / management of medical waste	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Section <b>G</b> below
	I. Traffic and Pedestrian Safety	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Section <b>H</b> below

<sup>1</sup> Land acquisitions includes displacement of people, change of livelihood encroachment on private property this is to land that is purchased/transferred and affects people who are living and/or squatters and/or operate a business (kiosks) on land that is being acquired.

<sup>2</sup> Toxic / hazardous material includes but is not limited to asbestos, toxic paints, noxious solvents, removal of lead paint, etc.

## PART C: MITIGATION MEASURES

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
O. General Conditions	Notification and Worker Safety	<ul style="list-style-type: none"> <li>(a) The local construction and environment inspectorates and communities have been notified of upcoming activities</li> <li>(b) The public has been notified of the works through appropriate notification in the media and/or at publicly accessible sites (including the site of the works)</li> <li>(c) All legally required permits have been acquired for construction and/or rehabilitation</li> <li>(d) The Contractor formally agrees that all work will be carried out in a safe and disciplined manner designed to minimize impacts on neighboring residents and environment.</li> <li>(e) Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots)</li> <li>(f) Appropriate signposting of the sites will inform workers of key rules and regulations to follow.</li> </ul>
A. General Rehabilitation and /or Construction Activities	Air Quality	<ul style="list-style-type: none"> <li>(a) During interior demolition debris-chutes shall be used above the first floor</li> <li>(b) Demolition debris shall be kept in controlled area and sprayed with water mist to reduce debris dust</li> <li>(c) During pneumatic drilling/wall destruction dust shall be suppressed by ongoing water spraying and/or installing dust screen enclosures at site</li> <li>(d) The surrounding environment (side walks, roads) shall be kept free of debris to minimize dust</li> <li>(e) There will be no open burning of construction / waste material at the site</li> <li>(f) There will be no excessive idling of construction vehicles at sites</li> </ul>
	Noise	<ul style="list-style-type: none"> <li>(a) Construction noise will be limited to restricted times agreed to in the permit</li> <li>(b) During operations the engine covers of generators, air compressors and other powered mechanical equipment shall be closed, and equipment placed as far away from residential areas as possible</li> </ul>
	Water Quality	<ul style="list-style-type: none"> <li>(a) The site will establish appropriate erosion and sediment control measures such as e.g. hay bales and / or silt fences to prevent sediment from moving off site and causing excessive turbidity in nearby streams and rivers.</li> </ul>
	Waste management	<ul style="list-style-type: none"> <li>(a) Waste collection and disposal pathways and sites will be identified for all major waste types expected from demolition and construction activities.</li> <li>(b) Mineral construction and demolition wastes will be separated from general refuse, organic, liquid and chemical wastes by on-site sorting and stored in appropriate containers.</li> <li>(c) Construction waste will be collected and disposed properly by licensed collectors</li> <li>(d) The records of waste disposal will be maintained as proof for proper management as designed.</li> <li>(e) Whenever feasible the contractor will reuse and recycle appropriate and viable materials (except asbestos)</li> </ul>
B. Individual wastewater treatment system	Water Quality	<ul style="list-style-type: none"> <li>(a) The approach to handling sanitary wastes and wastewater from building sites (installation or reconstruction) must be approved by the local authorities</li> <li>(b) Before being discharged into receiving waters, effluents from individual wastewater systems must be treated in order to meet the minimal quality criteria set out by national guidelines on effluent quality and wastewater treatment</li> <li>(c) Monitoring of new wastewater systems (before/after) will be carried out</li> <li>(d) Construction vehicles and machinery will be washed only in designated areas where runoff will not pollute natural surface water bodies.</li> </ul>
C. Historic building(s)	Cultural Heritage	<ul style="list-style-type: none"> <li>(a) If the building is a designated historic structure, very close to such a structure, or located in a designated historic district, notification shall be made and approvals/permits be obtained from local authorities and all construction activities planned and carried out in line with local and national legislation.</li> </ul>

		(b) It shall be ensured that provisions are put in place so that artifacts or other possible “chance finds” encountered in excavation or construction are noted and registered, responsible officials contacted, and works activities delayed or modified to account for such finds.
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ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
<b>D. Acquisition of land</b>	Land Acquisition Plan/Framework	(a) If expropriation of land was not expected but is required, or if loss of access to income of legal or illegal users of land was not expected but may occur, that the Bank’s Task Team Leader shall be immediately consulted. (b) The approved Land Acquisition Plan/Framework (if required by the project) will be implemented
<b>E. Toxic Materials</b>	Asbestos management	(a) If asbestos is located on the project site, it shall be marked clearly as hazardous material (b) When possible the asbestos will be appropriately contained and sealed to minimize exposure (c) The asbestos prior to removal (if removal is necessary) will be treated with a wetting agent to minimize asbestos dust (d) Asbestos will be handled and disposed by skilled & experienced professionals (e) If asbestos material is stored temporarily, the wastes should be securely enclosed inside closed containments and marked appropriately. Security measures will be taken against unauthorized removal from the site. (f) The removed asbestos will not be reused
	Toxic / hazardous waste management	(a) Temporarily storage on site of all hazardous or toxic substances will be in safe containers labeled with details of composition, properties and handling information (b) The containers of hazardous substances shall be placed in a leak-proof container to prevent spillage and leaching (c) The wastes shall be transported by specially licensed carriers and disposed in a licensed facility. (d) Paints with toxic ingredients or solvents or lead-based paints will not be used
<b>F. Affected forests, wetlands and/or protected areas</b>	Protection	(a) All recognized natural habitats, wetlands and protected areas in the immediate vicinity of the activity will not be damaged or exploited, all staff will be strictly prohibited from hunting, foraging, logging or other damaging activities. (b) A survey and an inventory shall be made of large trees in the vicinity of the construction activity, large trees shall be marked and cordoned off with fencing, their root system protected, and any damage to the trees avoided (c) Adjacent wetlands and streams shall be protected from construction site run-off with appropriate erosion and sediment control feature to include by not limited to hay bales and silt fences (d) There will be no unlicensed borrow pits, quarries or waste dumps in adjacent areas, especially not in protected areas.
<b>G. Disposal of medical waste</b>	Infrastructure for medical waste management	(a) In compliance with national regulations the contractor will insure that newly constructed and/or rehabilitated health care facilities include sufficient infrastructure for medical waste handling and disposal; this includes and not limited to: <ul style="list-style-type: none"> <li>▪ Special facilities for segregated healthcare waste (including soiled instruments “sharps”, and human tissue or fluids) from other waste disposal; and</li> <li>▪ Appropriate storage facilities for medical waste are in place; and</li> <li>▪ If the activity includes facility-based treatment, appropriate disposal options are in place and operational</li> </ul>
<b>H Traffic and Pedestrian Safety</b>	Direct or indirect hazards to public traffic and pedestrians by construction activities	(b) In compliance with national regulations the contractor will insure that the construction site is properly secured and construction related traffic regulated. This includes but is not limited to <ul style="list-style-type: none"> <li>▪ Signposting, warning signs, barriers and traffic diversions: site will be clearly visible and the public warned of all potential hazards</li> <li>▪ Traffic management system and staff training, especially for site access and near-site heavy traffic. Provision of safe passages and crossings for pedestrians where construction traffic interferes.</li> <li>▪ Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement</li> <li>▪ Active traffic management by trained and visible staff at the site, if required for safe and convenient passage for the public.</li> </ul>



		<ul style="list-style-type: none"><li>▪ Ensuring safe and continuous access to office facilities, shops and residences during renovation activities, if the buildings stay open for the public.</li></ul>
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**PART D: MONITORING PLAN**

<b>Phase</b>	<b>What</b> (Is the parameter to be monitored ?)	<b>Where</b> (Is the parameter to be monitored ?)	<b>How</b> (Is the parameter to be monitored ?)	<b>When</b> (Define the frequency / or continuous ?)	<b>Why</b> (Is the parameter being monitored ?)	<b>Cost</b> (if not included in project budget)	<b>Who</b> (Is responsible for monitoring ?)
<b>During activity preparation</b>	site access traffic management availability of waste disposal facilities	at the site at the site in site vicinity	check if design and project planning foresee diligent procedures	before launch of construction	safety of general public, timely detection of waste disposal bottlenecks	marginal, within budget	Contractor, Engineer
<b>During activity implementation</b>	hazardous waste inventory (asbestos) construction material quality control (eg. paints / solvents)	on site Contractor's store / building yard	visual / analytical if in doubt visual / research in toxic materials databases	before start of rehabilitation works before approval to use materials	public and workplace health and safety	marginal, within budget; (prepare special account for analyses at PMU?)	Contractor, Engineer
<b>During activity supervision</b>	dust generation noise emissions wastewater volumes & quality waste types and volumes	on site and in immediate neighborhood , close to potential impacted residents	visual consultation of locals visual, analytical if suspicious count of waste transports off site	daily daily daily / continuous every batch	avoidance of public nuisance avoidance of negative impacts on ground/ surface waters ensuring proper waste management and disposal	marginal, within budget	Contractor, Engineer

