LIFELINE ROAD NETWORK IMPROVEMENT PROJECT

ENVIRONMENTAL MANAGEMENT PLAN FOR SMALL SCALE ROAD REHABILITATION


March 2016
## PART 1: GENERAL PROJECT AND SITE INFORMATION

### INSTITUTIONAL & ADMINISTRATIVE

<table>
<thead>
<tr>
<th>Country</th>
<th>Armenia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project title</td>
<td>Rehabilitation of H6 - Nor Geghi-Argel-Arzakan-Hrazdan road section.</td>
</tr>
</tbody>
</table>
| Scope of project and activity | The project envisages rehabilitation of the km 10+000 – km 25+232 section of the H6- Nor Geghi-Argel-Arzakan-Hrazdan road and H5-Qaghsi-H1 road. Design work is done in accordance with acting norms and standard designs. The main technical parameters adopted in the design:  
  ➢ Subgrade width 9.0-11.0m  
  ➢ Carriageway width 6.0-7.0m  
  ➢ Width of shoulders 0.6-1.5m  
  ➢ Sidewalk 0.5-1.5m  
  
The following works are designed on the basis of visual observation, topography and geological surveys, laboratory test result and environmental measures:  
  ➢ Rehabilitation of the subgrade.  
  ➢ Restoration of the drainage system (repair and construction of culverts), construction of side ditches and chutes.  
  ➢ Rehabilitation and reconstruction of pavement.  
  ➢ Filling and levelling of shoulders.  
  ➢ Road furnishing (access ramps, sidewalks, guardrails, traffic signs and road marking). |
| Institutional arrangements (Name and contacts) | WB  
Nargis Ryskulova,  
Task Team Leader  
Project Management  
Transport Projects  
Implementation Unit SI  
Implementation arrangements (Name and contacts)  
Safeguard Supervision  
Darejan Kapanadze, Environment  
Jennifer Shkabatur, Social  
Contactor  
JV “AAB Proekt” OJSC, “Kotayk RCM” LLC and “Suardi”JSC  
Supervision  
Kocks Consult Gmbh |

### SITE DESCRIPTION

<table>
<thead>
<tr>
<th>Name of site</th>
<th>H6-Nor Geghi-Argel-Arzakan-Hrazdan road section</th>
</tr>
</thead>
</table>
| Describe site location | Kotayk Marz  
Attachment 1:  
Site Map [x]Y [ ] N |
| Who owns the land? | Community / State  
Administratively, the road section belongs to Kotayk marz of Armenia. The road section passes through the Yeghvard plateau, through the eastern foot of Teghenis mountains and reaches Bjni community. Absolute altitude marks vary between 1350-1500m. The section is located in the landscape-hydrological zone of the Akhurian and Hrazdan rivers.  
The construction site is located in II Climatic zone. Weather in summer is warm and weather in winter is moderate cold. Annual average air temperature 9.4°C. Average temperature in the coldest month -5.4°C. Average temperature in the warmest month 22.6°C. Absolute maximum temperature in summer 39°C. Minimum temperature in winter -33°C. Annual average wind speed 2.0 m/sec. Annual precipitation 447 mm. Maximum depth of soil freezing 0.79 m. There are six communities (Argel, Karashamb, Teghenik, Arzakan, Bjni, Qaghsi) situated near the road section to be rehabilitated. The number of main population of these communities is about 10716 people, from which about 49.5% are women. |
| Locations and distance for material sourcing, especially aggregates, water, stones | Water to be supplied for construction works will be delivered to construction sites in tanks or provided from a source for which the Water Use Permit is issued to allow water intake. Aggregates will be obtained from the licensed providers located within the project area. Contractor may also extract aggregates, in this case contractor must obtain an extraction license prior to commencement of extraction. Asphalt will be purchased from an official supplier. |
| --- |

**LEGISLATION**

| Identify national & local legislation & permits that apply to project activity | Environmental permits required for accomplishing the works envisaged by the project:
- Construction license to be possessed by Construction Contractor,
- Construction permit to be obtained by the Construction Contractor from rural municipality,
- Mining license to be possessed by Construction Contractor in case it operates a borrow pit,
- Agreement for disposal of construction waste to be obtained by Construction Contractor from Community leader. |

**PUBLIC CONSULTATION**

| Identify when / where the public consultation process took place | Public consultations have been carried out in the project area; this included the presentation and discussion of EMP to the population and representatives of the local municipalities. The minutes of the public consultation, photos, questions and answers are attached (See Attachment 3). |

**INSTITUTIONAL CAPACITY BUILDING**

| Will there be any capacity building? | [x] N or [ ]Y if Yes, Attachment 2 includes the capacity building program |
### ENVIRONMENTAL /SOCIAL SCREENING FOR SAFEGUARDS TRIGGERS

<table>
<thead>
<tr>
<th>Activity/Issue</th>
<th>Status</th>
<th>Triggered Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Roads rehabilitation</td>
<td>[ ] Yes</td>
<td>If “Yes”, see Section A below</td>
</tr>
<tr>
<td>B. New construction of small traffic infrastructure</td>
<td>[ ] Yes</td>
<td>If “Yes”, see Section A below</td>
</tr>
<tr>
<td>C. Impacts on surface drainage system</td>
<td>[ ] Yes</td>
<td>If “Yes”, see Section B below</td>
</tr>
<tr>
<td>D. Historic building(s) and districts</td>
<td>[ ] Yes</td>
<td>If “Yes”, see Section C below</td>
</tr>
<tr>
<td>E. Acquisition of land¹</td>
<td>[ ] Yes</td>
<td>If “Yes”, see Section D below</td>
</tr>
<tr>
<td>F. Hazardous or toxic materials²</td>
<td>[ ] Yes</td>
<td>If “Yes”, see Section E below</td>
</tr>
<tr>
<td>G. Impacts on forests and/or protected areas</td>
<td>[ ] Yes</td>
<td>If “Yes”, see Section F below</td>
</tr>
<tr>
<td>H. Risk of unexploded ordinance (UXO)</td>
<td>[ ] Yes</td>
<td>If “Yes”, see Section G below</td>
</tr>
<tr>
<td>I. Traffic and Pedestrian Safety</td>
<td>[ ] Yes</td>
<td>If “Yes”, see Section H below</td>
</tr>
</tbody>
</table>

¹ 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.

² Toxic / hazardous material includes but is not limited to asbestos, toxic paints, noxious solvents, removal of lead paint, etc.
# PART 3: MITIGATION MEASURES

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>PARAMETER</th>
<th>MITIGATION MEASURES CHECKLIST</th>
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</table>
| **0. General Conditions** | Notification and Worker Safety | (a) The local construction and environment inspectorates and communities have been notified of upcoming activities  
(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).  
(c) All legally required permits have been acquired for construction and/or rehabilitation.  
(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.  
(e) Workers' PPE will comply with international good practice (hardhats, as needed masks and safety glasses, harnesses and safety boots).  
(f) Appropriate signposting of the sites will inform workers of key rules and regulations to follow. |
| **A. General Rehabilitation and /or Construction Activities** | Air Quality | (g) During excavation works dust control measures shall be employed, e.g. by spraying and moistening the ground.  
(h) Demolition debris, excavated soil and aggregates shall be kept in controlled area and sprayed with water mist to reduce debris dust.  
(i) During pneumatic drilling or breaking of pavement and foundations dust shall be suppressed by ongoing water spraying and/or installing dust screen enclosures at site.  
(j) The surrounding environment (sidewalks, roads) shall be kept free of soil and debris to minimize dust.  
(k) There will be no open burning of construction / waste material at the site.  
(l) All machinery will comply with the national emission regulations, will be well maintained and serviced and there will be no excessive idling of construction vehicles at sites. |
| | Noise | (a) Construction noise will be limited to restricted times agreed to in the permit.  
(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. |
<p>| | Water Quality | (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 canalization and nearby streams and rivers. |</p>
<table>
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<tr>
<th>ACTIVITY</th>
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| Waste management | (a) Waste collection and disposal pathways and sites will be identified for all major waste types expected from excavation, demolition and construction activities.  
(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.  
(c) Construction waste will be collected and disposed properly by licensed collectors.  
(d) The records of waste disposal will be maintained as proof for proper management as designed.  
(e) Whenever feasible Contractor will reuse and recycle appropriate and viable materials (except when containing asbestos). |
| **B. Impacts on surface drainage system** | **Water Quality** | (a) There will be no unregulated extraction of groundwater, nor uncontrolled discharge of process waters, cement slurries, or any other contaminated waters into the ground or adjacent streams or rivers; the Contractor will obtain all necessary licenses and permits for water extraction and regulated discharge into the public wastewater system.  
(b) There will be proper storm water drainage systems installed and care taken not to silt, pollute, block or otherwise negatively impact natural streams, rivers, ponds and lakes by construction activities.  
(c) There will be procedures for prevention of and response to accidental spills of fuels, lubricants and other toxic or noxious substances.  
(d) Construction vehicles and machinery will be washed only in designated areas where runoff will not pollute natural surface water bodies. |
| **C. Historic building(s)** | **Cultural Heritage** | (a) If construction works take place close to a designated historic structure, or are 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.  
(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. |
| **D. Acquisition of land** | **Land Acquisition Plan/Framework** | (a) Land acquisition is not expected along the road.  
(b) 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. |
<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>PARAMETER</th>
<th>MITIGATION MEASURES CHECKLIST</th>
</tr>
</thead>
</table>
| **E.** Toxic materials | 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 be 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.  |
| **F.** Affected forests, wetlands and/or protected areas | 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.  
(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.  |
<p>| <strong>G.</strong> Risk of unexploded ordinance (UXO) | Hazard to human health and safety | (a) Before start of any excavation works the Contractor will verify that the construction area has been checked and cleared regarding UXO by the appropriate authorities.  |</p>
<table>
<thead>
<tr>
<th>ACTIVITY</th>
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<th>MITIGATION MEASURES CHECKLIST</th>
</tr>
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</table>
| H Traffic and pedestrian safety | Direct or indirect hazards to public traffic and pedestrians by construction activities | (a) 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:  
   - Signposting, warning signs, barriers and traffic diversions: site will be clearly visible and the public warned of all potential hazards,  
   - 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,  
   - Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement,  
   - If required, active traffic management by trained and visible staff at the site for safe passage for the public,  
   - Ensuring safe and continuous access to all adjacent office facilities, shops and residences during construction. |
## PART 4: MONITORING PLAN

<table>
<thead>
<tr>
<th>What</th>
<th>Where</th>
<th>How</th>
<th>When</th>
<th>Why</th>
<th>Cost</th>
<th>Who</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Is the parameter to be monitored?)</td>
<td>(Is the parameter to be monitored?)</td>
<td>(Define the frequency / or continuous?)</td>
<td>(Is the parameter being monitored?)</td>
<td>(Is the parameter being monitored?)</td>
<td>(if not included in project budget)</td>
<td>(Is responsible for monitoring?)</td>
</tr>
<tr>
<td>The community is notified of upcoming activities</td>
<td>at community leader’s office</td>
<td>discussion/observation</td>
<td>visit before construction works</td>
<td>to ensure awareness on the project works</td>
<td>included in project budget</td>
<td>TPIU through Construction Supervisor</td>
</tr>
<tr>
<td>All required permits are obtained</td>
<td>at community leader’s office and construction contractor</td>
<td>review of documents</td>
<td>visit before construction works</td>
<td>to ensure availability of all required permits and agreements</td>
<td>included in project budget</td>
<td>TPIU through Construction Supervisor</td>
</tr>
<tr>
<td>Workers use PPE</td>
<td>at construction site</td>
<td>inspection</td>
<td>Monthly site visits during active construction works</td>
<td>to ensure safety of workers</td>
<td>included in project budget</td>
<td>TPIU through Construction Supervisor</td>
</tr>
<tr>
<td>The dust is suppressed at site</td>
<td>at construction site</td>
<td>inspection</td>
<td>Monthly site visits during active construction works</td>
<td>to ensure minimal generation of dust</td>
<td>included in project budget</td>
<td>TPIU through Construction Supervisor</td>
</tr>
<tr>
<td>There is no open burning of construction / waste material at the site</td>
<td>at construction site</td>
<td>inspection</td>
<td>Monthly site visits during active construction works</td>
<td>to ensure minimal air pollution</td>
<td>included in project budget</td>
<td>TPIU through Construction Supervisor</td>
</tr>
<tr>
<td>There is no excessive idling of construction vehicles at site</td>
<td>at construction site</td>
<td>inspection</td>
<td>Monthly site visits during active construction works</td>
<td>to ensure minimal air pollution</td>
<td>included in project budget</td>
<td>TPIU through Construction Supervisor</td>
</tr>
<tr>
<td>Construction noise is limited to day-time hours</td>
<td>at construction site</td>
<td>inspection</td>
<td>Monthly site visits during active construction works</td>
<td>to ensure minimal generation of noise</td>
<td>included in project budget</td>
<td>TPIU through Construction Supervisor</td>
</tr>
<tr>
<td><strong>What</strong></td>
<td><strong>Where</strong></td>
<td><strong>How</strong></td>
<td><strong>When</strong></td>
<td><strong>Why</strong></td>
<td><strong>Cost</strong></td>
<td><strong>Who</strong></td>
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<tr>
<td>Waste temporary collection places are identified at the site</td>
<td>at construction site</td>
<td>inspection</td>
<td>Monthly site visits during active construction works</td>
<td>to ensure waste is collected at specially designated places</td>
<td>included in project budget</td>
<td>TPIU through Construction Supervisor</td>
</tr>
<tr>
<td>Construction waste is regularly collected and disposed at the agreed site</td>
<td>at construction site</td>
<td>inspection</td>
<td>Monthly site visits during active construction works</td>
<td>to ensure timely removal of waste from construction site</td>
<td>included in project budget</td>
<td>TPIU through Construction Supervisor</td>
</tr>
<tr>
<td>Construction vehicles and machinery are washed only in designated areas where runoff will not pollute natural surface water bodies</td>
<td>at construction site</td>
<td>inspection</td>
<td>Monthly site visits during active construction works</td>
<td>to ensure minimal water pollution</td>
<td>included in project budget</td>
<td>TPIU through Construction Supervisor</td>
</tr>
<tr>
<td>In case of chance finds the works are stopped and information is provided by Ministry of Culture</td>
<td>at construction site</td>
<td>inspection</td>
<td>Monthly site visits during active construction works</td>
<td>to ensure minimal impact on artifacts</td>
<td>included in project budget</td>
<td>TPIU through Construction Supervisor</td>
</tr>
<tr>
<td>There are no unlicensed borrow pits, quarries or unapproved waste dumps used for the project</td>
<td>at construction contractor’s office, at construction site</td>
<td>review of documents, inspection</td>
<td>Monthly site visits during active construction works</td>
<td>to ensure minimal impact on environment</td>
<td>included in project budget</td>
<td>TPIU through Construction Supervisor</td>
</tr>
<tr>
<td>Signposting, warning signs, barriers and</td>
<td>at construction site</td>
<td>inspection</td>
<td>Monthly site visits during active</td>
<td>to ensure safety of workers and</td>
<td>included in project budget</td>
<td>TPIU through Construction</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>What (Is the parameter to be monitored?)</th>
<th>Where (Is the parameter to be monitored?)</th>
<th>How (Define the frequency / or continuous?)</th>
<th>When (Is the parameter being monitored?)</th>
<th>Why (Is the parameter being monitored?)</th>
<th>Cost (if not included in project budget)</th>
<th>Who (Is responsible for monitoring?)</th>
</tr>
</thead>
<tbody>
<tr>
<td>traffic diversions: site will be clearly visible and the public warned of all potential hazards</td>
<td></td>
<td>construction works</td>
<td></td>
<td>inhabitants</td>
<td></td>
<td>Supervisor</td>
</tr>
<tr>
<td>Provision of safe passages and crossings for pedestrians where construction traffic interferes</td>
<td>at construction site</td>
<td>inspection</td>
<td>Monthly site visits during active construction works</td>
<td>to ensure safety of workers and inhabitants</td>
<td>included in project budget</td>
<td>TPIU through Construction Supervisor</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>OPERATION PHASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cleaning road surface and shoulders from litter deposited out of moving vehicles and from bodies of animals accidentally overrun by vehicles</td>
</tr>
<tr>
<td>Keeping road drainage system operational</td>
</tr>
<tr>
<td>What</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>Timely confinement, deactivation, and removal of liquid or powder spills of cargo in case of road accidents</td>
</tr>
<tr>
<td>Collection and timely disposal of waste from road maintenance works to a designated landfill</td>
</tr>
</tbody>
</table>
Attachment 1: Site Map

Road H-6 – Nor Geghi – Argel - Arzakan - Hrazdan
Section  Km 10+000 – Km 25+232
Road H5-QaghsI-H1 (km0+000 – km 1+570)
Attachment 2: Photos
STATEMENT
Public Consultation

"24" 03  2016

The Design and Environmental Management Plan of the H6 – Nor Geghi – Argeł – Arzakan – Nor Hadzor road rehabilitation has been prepared by the Local Company "Dorproject Institute" within the framework of the World Bank financed Lifeline Roads Network Improvement Project. The project road passes through the communities of Karashamb, Teghochent, Arzakan, Bini, and Qaghet. During the survey and design the engineering team had closely worked with the head of communities to incorporate the public requests, suggestion and comments into the final Design and Environmental Management Plan, and to insure that the public concerns are incorporated in the project. Head of communities were informed prior about the date, time and place of the public consultation.

The design provides for all works for pavement rehabilitation, sidewalk and drainage restoration, and excavation and embankment, as well as there are presented an Environmental Management Plan for the mentioned road section, in particular potential adverse environmental impacts during implementation of rehabilitation works and after their completion, measures to be taken to prevent, mitigate and minimize those impacts, and parties responsible for implementation. Also, there have been submitted the main four sections of the Environmental Management Plan developed in a checklist format. Taking into account that the designed works are rehabilitation in their nature and will be carried out on the existing road, one can conclude that potential adverse impacts on the environment will be low-level, short-term and entirely work-related, and there will arise no need for right-of-way.

The Environmental Management Plan was thoroughly discussed with the authorities and residents of the communities of Karashamb, Teghochent, Arzakan, Bini, Qaghet. During discussions, the designers presented works designed for all repair sections, including earthworks, carriageway rehabilitation, sidewalk construction, repair of drainage system, repair of approach roads and access ramps, especially access ramps to the main public places.

During works for rehabilitation of the road section passing through the village, no land or other property issue will arise on the whole territory of the Karashamb, Teghochent, Arzakan, Bini, Qaghet communities. At the same time, design works include solutions for the necessary drainage and safety, as well as pavement rehabilitation problems. Places of agricultural crossings are agreed with heads of communities.

After the presentation the participants were welcomed to ask questions. The questions raised during the meeting and corresponding answers as well as photos made are attached to this statement below. In the end of the Public consultation the participants were asked to sign the statement of the Public Consultation as an approval of the Design and Environmental Management Plan for the H6 – Nor Geghi – Argeł – Arzakan – Nor Hadzor road.

We hereby give our consent to the Design and Environmental Management Plan for the H6 – Nor Geghi – Argeł – Arzakan – Nor Hadzor road and confirm that our request and suggestions are incorporated.

Head of Karashamb community: Z. Khlaghtyan
Head of Teghochent community: M. Baghdauntsyan
Head of Arzakan community: M. Movsesyan
Head of Bini community: A. Akssanyan
Member of the community:
Member of the community:
Member of the community:
Member of the community:
Member of the community:

Representative of "Transport PIU" SI:
Experts:
1. Question (Head of Arzakan community) – What is the solution of the drainage at km16+930 left side access ramp?
   - Answer (CPE M. Aleksanyan) – The drainage is done through water inlet and the removal to the bridge is done through precast r/c chutes.

2. Question (Head of Arzakan community) – What measures are taken for the drainage between km 18+300-km 18+400?
   - Answer (CPE M. Aleksanyan) – It is designed to install metal culvert d=720mm at km 18+328.

3. Question (Head of Arzakan community) – Was the rehabilitation of the approach to the bridge at km 19+929,27 included in the design?
   - Answer (CPE M. Aleksanyan) – The subgrade rehabilitation at the right side of the approach to the bridge at km 19+929,27 as well as slope stability measures are included in the design. Concrete retaining wall is envisaged to be constructed.

4. Question (Head of Bjni community) – What is the solution for the drainage at km20+700-km20+900?
   - Answer (CPE M. Aleksanyan) – It is designed to install new metal culvert d=720mm at km 20+868.

5. Question (Residents of Bjni community) – What is the solution for drainage at km 21+228 access ramp?
➢ Answer (CPE M. Aleksanyan) – Water inlet with metal mesh should be installed for draining of water from access ramps. Subsequently, water draining shall be done with r/c existing culvert d=1.0m at km21+230 and r/c L=1.6m bridge at km 21+235.

6. Question (Head of Bjni community) – Is the access ramp to the school at km 22+125 included in the design?
➢ Answer (CPE M. Aleksanyan) – Yes, the access ramp at km 22+125 is included in the design (access ramp to the school L=277r.m.).

7. Question (Head of Bjni community) – How is organized the drainage of water at km 22+718 and km 22+765 access ramps?
➢ Answer (CPE M. Aleksanyan) – It is designed to install concrete water inlet with metal mesh and new metal d=0.53m culvert for the drainage at km22+718 access ramp. At km 22+765 access ramp concrete water inlet with metal mesh should be installed, the drained water will flow into the existing r/c 2x2 culvert.

8. Question (Residents of Bjni community) – Are speed bumps foreseen in the design?
➢ Answer (CPE M. Aleksanyan) – To ensure traffic safety raised pedestrian crossings and speed bumps are provided in the necessary places in Bjni community.

9. Question (Head of Kaghsi community) – What measures are expected to be done to keep the road from screes?
➢ Answer (CPE M. Aleksanyan) – Concrete retaining walls are provided for keeping the road from screes at km0+080 – km0+168 and km0+830 – km0+120.

10. Question (Residents of Kaghsi community) – What is necessary for the drainage of the road?
➢ Answer (CPE M. Aleksanyan) – Along the road it is designed in-situ r/c chutes and new metal culvert for draining carriageway water to the existing drainage.

11. Question (Residents of Kaghsi community) – When will the construction start?
➢ Answer (CPE M. Aleksanyan) – The construction will start this year after the bidding procedure and selection of the Contractor.
Attachment 4:

Agreement on waste disposal

Agreements on waste disposal provided by the following communities are attached below:

1. Arzakan
2. Bjni
3. Qakhsi
4. Qarashamb
5. Teghenik
Հայաստանի Հանրապետության Հայաստանի Հանրապետության Հայկական Հանրապետության Հայաստանի Հանրապետության Հայկական Հանրապետության Հայաստանի Հանրապետության Հայկական Հանրապետության Հայաստանի Հանրապետության Հայկական Հանրապետության

2015թ.
Հավանաբար եւ կարծես, որ տվյալ տեսանյութը նշված է ներկայության կերպարվեստի պայմանագրում երևանկային պահպանվողության 26-րդ թաթի – Նոր Նորահան Հայաստանում։ Այս պայմանագրում զարգացնող գրասենյակը, որը պարունակում է տեքստի համակարգը, նկարագրում է համապատասխան զգացմանման մարմնի համար։

Պսակը:
Այս կազմակերպության համար պահանջվող նշանակալից դատապարտում է Ա.Հ. հերթականության վարում, Հ. Հ. Հայաստանի Հանրապետություն։

[Սեփականատերի սփուռնակոտություն]