

Semi-annual Environmental Monitoring Report

Project Number: 42417-033

Loan Number: L3293-ARM

July-December 2024

ARM: Sustainable Urban Development Investment Program, Tranche 2

Prepared by the Yerevan Municipality

Yerevan Project Implementation Unit

Yerevan, Armenia

Table of Content

1. INTRODUCTION	4
1.1. Preamble	4
1.2. Headline Information	4
2. PROJECT DESCRIPTION AND CURRENT ACTIVITIES	9
2.1. Project Description	9
2.2. Project Contracts and Management	9
2.3. Project Activities during Current Reporting Period	11
2.4. Description of Any Changes to Project Design	11
2.5. Description of Any Changes to Agreed Construction methods	11
3. ENVIRONMENTAL SAFEGUARD ACTIVITIES	12
3.2. Site Audits	12
3.3. Issues Tracking (Based on Non-Conformance Notices)	12
3.4. Trends.....	12
3.5. Unanticipated Environmental Impacts or Risks	12
4. RESULTS OF ENVIRONMENTAL MONITORING	13
4.1. Overview of Monitoring Conducted during Current Period	13
4.2. Trends.....	13
4.3. Summary of Monitoring Outcomes	13
4.4. Material Resources Utilization	13
4.4.1. Current Period	13
4.4.2. Cumulative Resource Utilisation.....	13
4.5. Waste Management.....	14
4.5.1. Current Period	14
4.5.2. Cumulative Waste Generation.....	14
4.6. Health and Safety.....	14
4.6.1. Community Health and Safety.....	14
4.6.2. Worker Safety and Health	15
4.7. Trainings	15
5. GRIEVANCE REDRESS MECHANISM AND PUBLIC CONSULTATION.....	19
6. FUNCTIONING OF THE SEMP.....	25
6.1 SEMP Review	25
7. GOOD PRACTICE AND OPPORTUNITY FOR IMPROVEMENT.....	26
7.1 Good Practice	26
7.2 Opportunities for Improvement	26
8. SUMMARY AND RECOMMENDATIONS.....	27
8.1 Summary	27
8.2 Recommendations.....	28
9. ANNEXES	28

ABBREVIATIONS

ADB	Asian Development Bank
AP	affected people
EARF	environmental assessment and review framework
EIA	environmental impact assessment
EMP	environmental management plan
ES	environmental specialist
GRM	grievance redress mechanism
H&S	health and safety
IEE	initial environmental examination
MER	monthly environmental safeguard monitoring report
PIU	project implementation unit
REA	rapid environmental assessment
RA	Republic of Armenia
RE	resident engineer
SEMP	site-specific environmental management plan
SPS	Safeguards Policy Statement
SUDIP	Sustainable Urban Development Investment Program
YM	Yerevan Municipality

1. INTRODUCTION

1.1. Preamble

1. This semi-annual environmental monitoring report covers the period of July-December 2024. The report is prepared by the PIU Environmental specialist (ES).

1.2. Headline Information

a. Construction Implementation Progress for Argavand-Shirak street road link, Tender 3

2. The Contract for Construction of Argavand - Shirak road link Tender 3 signed between Yerevan Municipality and LEVANTINA INGENIERIAY CONSTRUCCIÓN S.L. Construction Company to Construct the Argavand-Shirak Road Link (Section 1) of Road links of Yerevan Western Ring Road on 16 July 2019. The project includes the construction of 1.3 km of new urban 6-lane dual carriageway built to expressway standards and 1.2 km of ramps within an urban context and construction of 252 m long new bridge over Hrazdan River. In figure 1-1 Argavand-Shirak street road link location is presented. The construction commencement provided on 6 September 2019. Due to worldwide COVID 19 pandemic situation and Emergency State in Armenia all type of activities on construction sites were temporary suspended from 17 of March 2020 to 15 of April 2020. Construction works were resume according to the Emergency Officer's decision #37 dated 12 April 2020 and Engineer's letter ref.: 20-0125 PMLT dated 13 April 2020. Construction works were restarted on April 15 and finalised on 4th June 2022. There was no extension granted to the Contractor during the reporting period. Post construction Environmental monitoring was conducted during the previous reporting period by Engineer in order to identify environmental non-conformances to be completed during the defect liability period. No any non-conformities were identified. DLP was finished on 30 June, 2024.

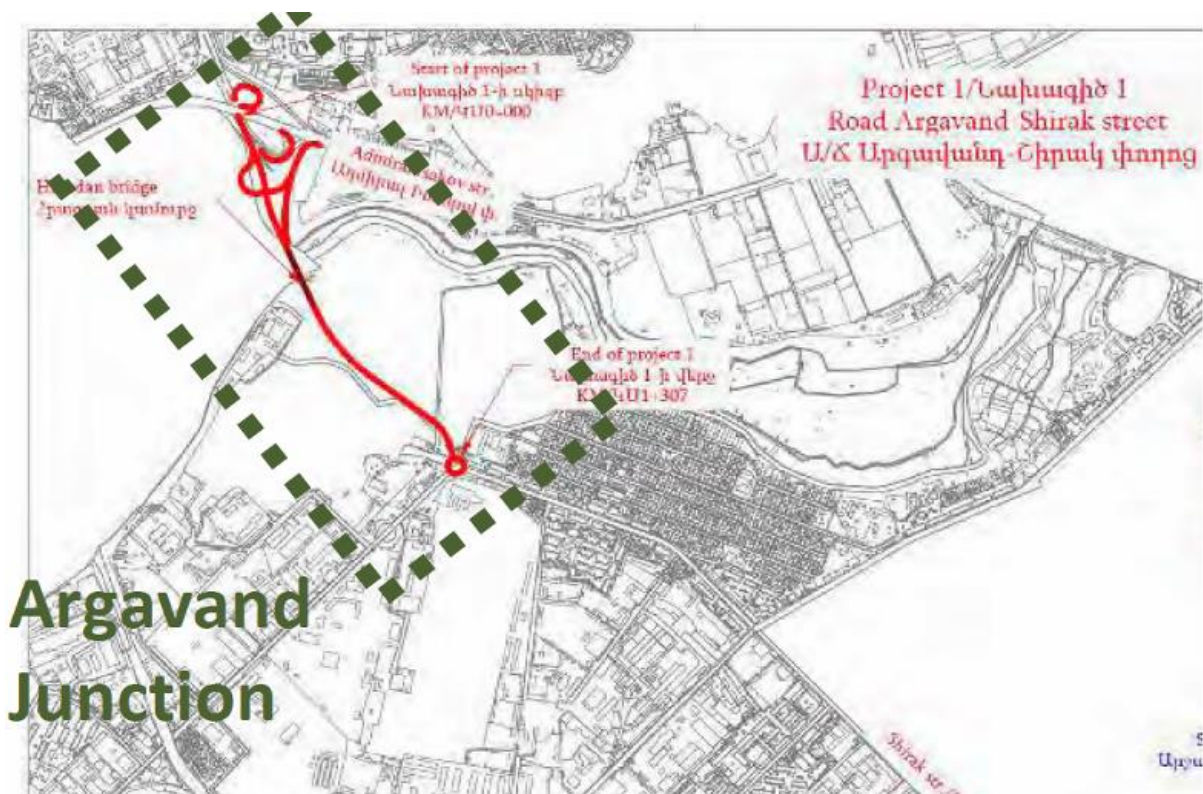


Figure 1-1: Map showing Tender 3 for the Argavand-Shirak street road link location

b. Construction Implementation Progress for Davitashen-Ashtarak road link Tender 4

3. Davitashen-Ashtarak road link Tender 4 construction completed on 15 December 2018. The defect notification period was 365 days and finished on 15 December 2019 (see location of Davitashen-Ashtarak road link location in figure 1-2). Meanwhile, in early 2021 ADB hired Noise survey individual consultant and conducted noise modeling/survey for whole length of Davitashen-Ashtarak road link. Based on the survey/modeling results noise barriers construction was suggested by ADB to ensure project complies with ADB's safeguard requirements. PIU Environmental specialist reviewed suggestions in May 2021 and identified that several changes took place (new constructions, new entrances opening etc.) in sections of suggested noise barriers construction and requested review of noise survey according to the new situation and conditions of the Davitashen-Ashtarak road link. Review of survey were conducted by noise expert hired by ADB during the August-September 2021. In October several joint site visits with participation of ADB, PIU environmental specialists and noise expert hired by ADB were conducted for understanding changes, likely environmental and social impacts due to the noise barriers to be constructed and feasibility of noise barriers construction. As well initial meetings held with APs to consider their suggestions and concerns. As a result of multiple site visits and meetings, ADB and PIU initiated construction feasibility survey, which was finalized end of June 2022 by Tranche 2 Engineer - EGIS.

4. As per YMPIU request Egis International has implemented on-site investigations in Davtashen-Ashtarak road link concerning possibility of noise barrier's installation. The design works were carried out by Egis International, on the basis of which the installation of noise barriers with a length of about 465 m was launched in January 2024 by Levantina Ingenieria Y Construccion S.L. and finished on 28.03.2024



Figure 1-2: Map showing Tender 4 for the Davitashen-Ashtarak road link location

c. Construction Implementation Progress for Babajanyan-Ashtarak road link Tender 5

5. YM signed the contract with TIRRENA SCAVI S.p.A. (Italy) contractor for Babajanyan-Ashtarak highway (Tender 5) on 11 December 2017. The total length of the road is 9.4 km and the average width is 24 meters (see location of Babajanyan-Ashtarak highway in figure 1-3). The granted initial duration of the construction was 24 months. The partial commencement of the construction works for the Babajanyan-Ashtarak highway Tender 5 from km-2+300 to km 6+300 granted on 1 February 2018. YM gave right of access to and possession of sections of the Right of Way (ROW) from km-2+300 to km 6+300 on 12 February 2018. Later the YM gave the access to and possession of all the work sites starting from 8 June 2018 and the Right to Access to the Site for Km 0+020 to km 0+110 starting from 29 January 2019 for the entire length of the Project. The right

of access was given to the Contractor for the 2 land plots located from 1+820 to 1+880 km along Sheram st. 34 and 34/1 on 15 August, 2022.

6. On 24 March 2020 Emergency Officer of Republic of Armenia Mr. Tigran Avinyan made decision and restricts movement of population and several activities in Armenia due to COVID-19 pandemic situation started from 25 March 2020. Later, the restriction was extended up to 10 April 2020. Due to this restriction construction activities were suspended. Construction works were authorized to start from 14 April 2020.

7. During implementation of the contract the following measures/steps were undertaken to eliminate the above mentioned obstacles:

- Although all necessary public hearings took place, design of Babajanyan-Ashtarak road link was approved by Road Police and by Expertise, residents of B4 district (next to the beginning of Babajanyan-Ashtarak road link) did not allow the Contractor to start construction activities on the area of approximately 500m. To solve issues raised by the B4 residents, Yerevan Municipality has ordered modification of the junction next to B4 district.

8. Based on the above-mentioned reasons time for completion of the Contract was extended three times:

- 1st extension: the time for completion was extended from 1 February 2020 to 30 June 2020;
- 2nd extension: the time for completion was extended from 30 June 2020 to 31 January 2021;
- 3rd extension: the time for completion was extended from 31 January 2021 to 31 May 2021.



Figure 1-3: Map showing Tender 5 for the Babajanyan-Ashtarak highway

9. Taking into account the contractor's insolvent, Yerevan Municipality has terminated the contract signed with "Tirrena Scavi S.p.A" Construction Company (Q2, 2023), notifying the contractor accordingly and proposed an assignment of the Contract to new Contractor (Khachhar LLC), which was approved sub-contractor under the Contract).

10. In consultation with ADB it was decided to assign the construction of remaining part of Babajanyan-Ashtarak road link to Levantina Ingenieria Y Construcccion S.L. as this company is only acting Contractor under SUDIP and has enough capacity. This assignment was formalized during Q3 reporting period (2023). The Commencement Date for the Contractor was 29.08.2023 and the Completion Date was 22.12.2023 (Q4, 2023).

11. By the end of December 2023 construction activities under Tender 5 (the construction of remaining part of Babajanyan-Ashtarak road link) are substantially completed.

12. Taking into consideration that the Km 1+820 - 1+980 (Section B) was deleted from the scope of works pursuant to the Contractor was instructed in accordance with Sub-CI.3.3 GCC to undertake certain measures to make the deleted section safe for the public until the pending works will be undertaken in future. The safety measures to be undertaken under this instruction were shown in the Layout Drawing "Plan View - Armenikum Section", approved, signed and stamped by the Road Police.

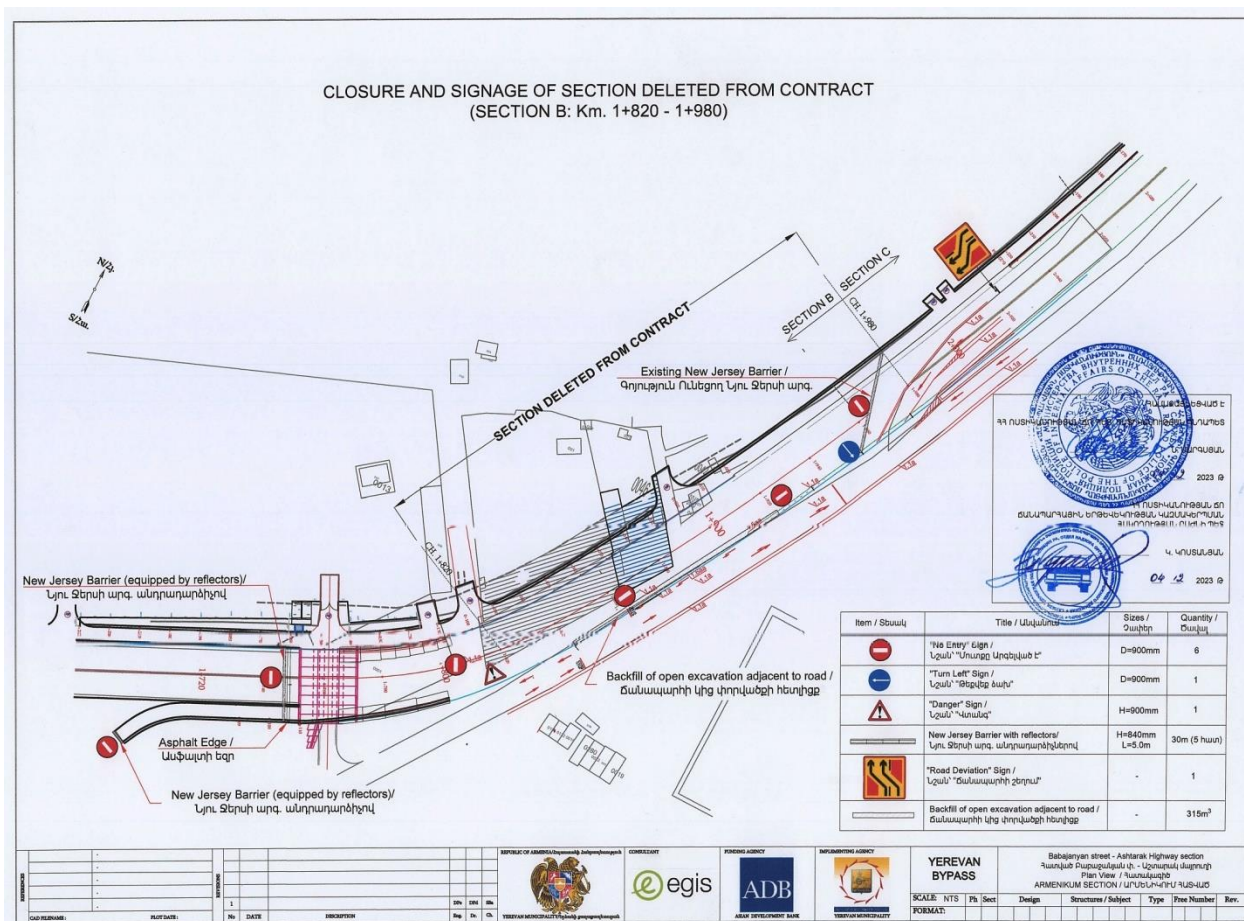


Figure 1-4: Layout Drawing "Plan View - Armenikum Section"

13. During this reporting period, i.e. until the end of the defect notification period (end of December 2024), all issues related to the environment, health and safety were followed up.

14. It should be noted that the construction works of Babajanyan-Ashtarak road section from km 1+820 to km 1+980 (Sector B) was not possible due to circumstances independent of the Yerevan

Municipality, as there was a court case, within the framework of which the court adopted a decision to enforce the claim, imposing a ban on the construction of the road, on the real estate at 46/1 G. Sheram Street, Yerevan. As a result of all this, no activities, including construction works, have been allowed to be carried out in that section since May 8, 2023.

15. The construction of this Babajanyan-Ashtarak road section is planned to be carried out during January-December 2025, with the estimated cost of construction works amounting to about 340 million AMD. In the event of a resolution of the above-mentioned legal dispute on the Babajanyan-Ashtarak road section, the owner of the territory will need to be provided with compensation.

2. PROJECT DESCRIPTION AND CURRENT ACTIVITIES

2.1. Project Description

16. The Government of Armenia received a loan in October of 2015 from ADB to finance SUDIP, Tranche 2. The main objective of the Project is to complete the missing links of Yerevan bypass: Argavand - Shirak road link Tender 3, Davitashen-Ashtarak road link Tender 4 and Babajanyan - Ashtarak road link Tender 5.

17. The two captioned road projects will help to divert through-traffic around the city center (see figre 2-1).

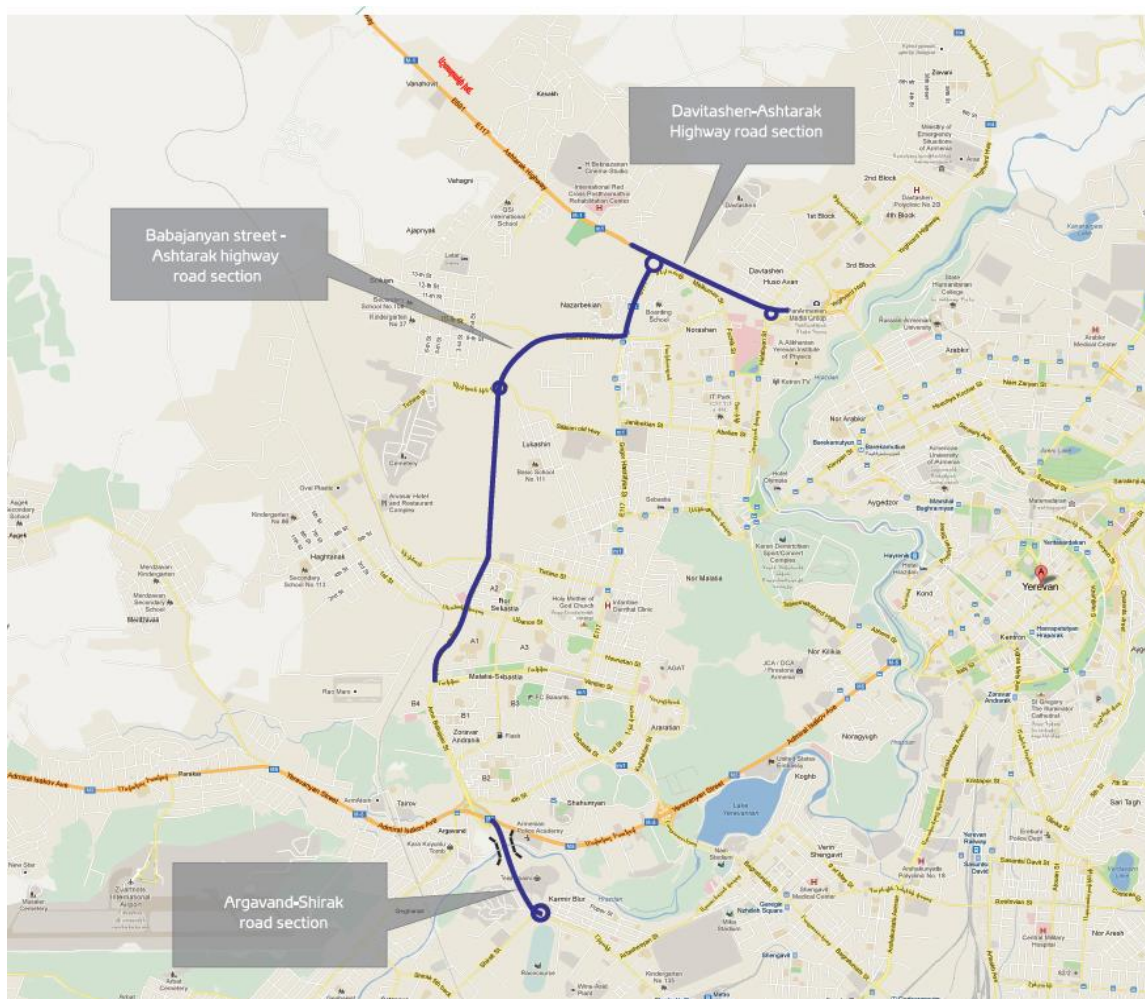


Figure 2-1: Map showing the Tranche 2 location

2.2. Project Contracts and Management

18. ADB carry out periodic Project reviews, inspections of the Project throughout the Project cycle in conformity with the principles and requirements embodied in the SPS 2009. ADB will assist the YMPIU in managing the environmental impacts and risks, thus contributing to the promotion of the long-term sustainability of investments.

19. The major tasks of the PIU ES are to carry out the overall environmental management ensuring full compliance of the Project implementation with Armenian legislation and ADB SPS (2009). The ES serves as a liaison between the safeguard team of EGIS International Company (Project Engineer), YM, the executing agency, MoE (Ministry of Environment) of the RA and Ministry of Education, Science, Culture and Sports of the RA, project affected people, ADB and develops and

maintains direct relationships with government authorities, with the help of Engineer ES organizes and conducts public consultations, etc. PIU ES Kristine Sahakyan manages all construction site activities related to the environmental issues and PIU land acquisition and resettlement specialist Sirak Gyulbudaghyan manages all resettlement and social aspect issues.

20. EGIS International Company, the Engineer/RE is implementing the supervision (including environmental and health & safety) of works. All the documents submitted by the Contractor are being reviewed and approved/rejected by RE. Engineer environmental management team is responsible for the preparation of environmental assessment of Tranche 2 documents and is responsible for environmental/health & safety/ social supervision of construction works for Argavand-Shirak road link, Tender 3 and Babajanyan-Ashtarak highway, Tender 5 Communication between the Engineer's and Contractor's environmental team took place via joint meetings, official correspondence and emails, phone calls and personal contacts. Edita Vardgesyan, the national EHS specialist, is implementing environmental and H&S supervision of the construction works of Argavand-Shirak road link, Tender 3 and Babajanyan-Ashtarak highway, Tender 5. Tigran Grigoryan, social specialist of the supervision company, was responsible for all aspects of the social issues. Contract of EGIS International Company is closed on 31.12.2024.

21. Mikael Tevosyan, LEVANTINA INGENIERIAY CONSTRUCCIÓN S.L. Construction Company Contractor's environmental and social specialist was responsible for the preparation and implementation of the SEMP in accordance with EIA/EMP, monitoring of the construction activities for Argavand-Shirak road link, Tender 3, as well as for Tender 5 since the September 2023. Contractor's ES was reported to Engineer EHS after which the Engineer reported to PIU ES. Gevorg Chobanyan is the Health & Safety Specialist under T3 and Garik Isakhanyan for Tender 5 since the September 2023. Contract is closed on 31.12.2024.

22. Mikael Tevosyan, "Tirrena Scavi S.p.A" Contractor's ES was responsible for the preparation and implementation of the SEMP in accordance with IEE/EMP, monitoring of the construction activities for Babajanyan-Ashtarak highway Tender 5. Contractor's ES was reported to Engineer EHS after which the Engineer reported to PIU ES. Daniel Yedigaryan was the Health & Safety Specialist and Gagik Avagyan, the social specialist is responsible for all aspects of the social issues during the construction. Yerevan Municipality terminated the contract on May 29, 2023, upon learning from Tirrena Scavi's Liquidators that Tirrena Scavi was insolvent.

Table 2-1. Environmental Safeguards Staff Contacts

Organization	Status	Name of person	Position	Contact details
YM PIU	PIU	Mrs. Kristine Sahakyan	ES	kristine.sahakyan@yerevan.am
		Mr. Sirak Gyulbudaghyan	Resettlement specialist	sirak.gyulbudaghyan@yerevan.am
EGIS	Supervising Engineer	Mrs. Edita Vardgesyan	EHSS	editavard@gmail.com
		Mr. Tigran Grigoryan	SS	tgrigoryan1980@gmail.com
LEVANTINA INGENIERIAY CONSTRUCCIÓN S.L.	T3 Contractor	Mr. Mikael Tevosyan	ES and SS	mikaeltevosyan@gmail.com
		Mr. Gevorg Chobanyan	HSS	+37493214748
Tirrena Scavi S.p.A	T5 Contractor	Mr. Mikael Tevosyan	ES	mikaeltevosyan@gmail.com
		Mr. Daniel Yedigaryan	HSS	374 94400193
		Mr. Gagik Avagyan	SS	+37498368488, e-mail: gagavagyan888@mail.ru
LEVANTINA INGENIERIAY CONSTRUCCIÓN S.L.	T5 Contractor from the 29.08.2023	Mr. Mikael Tevosyan	ES	mikaeltevosyan@gmail.com
		Mr. Garik Isakhanyan	H&S	
		Mr. Mikael Tevosyan	SS	mikaeltevosyan@gmail.com

2.3. Project Activities during Current Reporting Period

23. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

24. During the reporting period, a post-construction environmental audit was conducted for Tender 5. Post Construction Environmental, Health & Safety Audit Checklist was approved by ADB on December 20, 2024, which is presented in [Appendix 1](#) attached to this report.

25. For **Tender 4** the construction of Davtashen-Ashtarak road link was completed in 2018. In 2021 ADB hired an individual consultant to conduct noise survey/modeling for whole length of Davitashen-Ashtarak road link. Based on the survey results noise barriers' construction was suggested by ADB according to ADB's safeguard requirements. The design works were carried out by Egis International, on the basis of which the installation of noise barriers with a length of about 465 m was launched in January 2024 by Levantina Ingenieria Y Construccion S.L. and finished on 28.03.2024.

2.4. Description of Any Changes to Project Design

26. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

2.5. Description of Any Changes to Agreed Construction methods

27. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

3. ENVIRONMENTAL SAFEGUARD ACTIVITIES

28. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

29. During the reporting period, a post-construction environmental audit was conducted for Tender 5. Post Construction Environmental, Health & Safety Audit Checklist was approved by ADB on December 20, 2024., which is presented in [Appendix 1](#) attached to this report.

3.1. Site Audits

30. No site audits were conducted by ADB during the reporting period. Post-construction environmental audit was conducted by YM PIU Environmental specialist on 08.10.2024, checklist of which was presented in Appendix 1 to this report.

3.2. Issues Tracking (Based on Non-Conformance Notices)

31. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

3.3. Trends

32. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

3.4. Unanticipated Environmental Impacts or Risks

33. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

4. RESULTS OF ENVIRONMENTAL MONITORING

34. Environmental monitoring program with a view to ensure compliance with the ADB's environmental requirements and all applicable environmental laws, regulations and standards for environmental protection of RA has been developed in the scope of IEEs/EIA and EMPs. The IEEs/EIAs and EMPs contain monitoring activities considered during project implementation: management during engineering design phase, preconstruction, construction through the operation and maintenance periods.

35. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

36. During the previous reporting period, post-construction environmental monitoring was carried out for Tender 3 in order to identify environmental non-conformances that must be corrected within the defect liability period. No any non-conformities were identified.

37. For **Tender 5**, post-construction environmental audit was conducted on 08.10.2024 (see Appendix 1).

4.1. Overview of Monitoring Conducted during Current Period

38. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

4.2. Trends

39. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

4.3. Summary of Monitoring Outcomes

40. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

4.4. Material Resources Utilization

4.4.1. Current Period

41. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

4.4.2. Cumulative Resource Utilisation

42. During the reporting period, the resource utilisation was not provided, because there are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

4.5. Waste Management

43. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed. Further operation and maintenance of these road links will be carried out by the Yerevan Municipality. Currently, the 1 km section of Tender 3 is in the process of being handed over, regarding which the relevant Yerevan Mayor's order on approving the composition of the commission for the operation of the implemented and completed works has already been signed. The other section of Tender 3 was handed over to the Yerevan Municipality on 02.05.2023. As for the hand over process of Tender 5, it has begun and the relevant Mayor's order is in the process of being signed by the Yerevan mayor. These processes are planned to be completed during the next reporting period.

4.5.1. Current Period

44. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

4.5.2. Cumulative Waste Generation

45. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

4.6. Health and Safety

4.6.1. Community Health and Safety

46. For **Tender 5** taking into consideration that the Km 1+820 - 1+980 (Section B) was deleted from the scope of works the Contractor has undertaken certain measures to make the deleted section safe for the public until the pending works will be undertaken in future.

47. However, some public safety measures are not fully preserved due to the negligence of local residents and drivers. Despite the existing warning signs that driving on these sections is prohibited, sometimes drivers drive through these sections. Further operation and maintenance of this road link will be carried out by the Yerevan Municipality. As for the hand over process of Tender 5, it has begun and the relevant Mayor's order is in the process of being signed by the Yerevan mayor. This process are planned to be completed during the next reporting period.

48. For **Tender 5** during this reporting period, a Post-construction Environmental audit was conducted by the YM PIU in order to identify environmental non-conformances that should have been completed during the defect liability period. Post-construction Environmental audit was approved by ADB and is presented in Annex 1.

4.6.2. Worker Safety and Health

49. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

4.7. Trainings

50. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

51. Environmental safeguard related training activities undertaken during the project life are provided in table 4-7 below.

Table 4-7. Tender 5. Environmental safeguard related training activities undertaken during the project life

Month/Year	2018	2019	2020	2021	2022	2023
January	N/A	Job-specific EH&S, ERP, HIV/AIDS training for the engineering staff, foremen and workers trainings organized for the working staff on January 17, 2019. Totally 74 people were trained on the following topics: <ul style="list-style-type: none"> - the possible environmental and H&S negative impacts and their mitigation measures during the construction works - HIV/AIDS hazards - Emergency response plan, - Risk of work, work safety standards (earth works, safety of drivers, excavator and bulldozer operators), - proper use of PPE's, - Environmental impacts of the construction works and mitigation and preventive measures - Archaeological chance finds procedures. 	No training	No training	No training	No training
February	Contractor's ES hold site induction training on health & safety safeguards for his and sub-contractor's staff on February 21, 2018. Special attention was given to the GRM, the public safety and issues raised by the local residents like dust control.	Regular on-site training of the staff for the different groups of workers including those working on-height, and drivers. The main topic of the trainings was the dust control measures, driving and traffic control measures and rules, as well as the main safety hazards during construction activities, such as erection and operation of scaffoldings, using ladders, working in tranches and wearing PPE.	No training	No training	No training	No training
March	Contractor hold an environmental/ H&S training on ADB safeguards and IEE/EMP requirements for his engineering and working staff and foremen on March 2, 2018. Totally 31 people were trained. The report on the training together with the topic and list of participants is attached in Contractor's monthly report for March 2018.	Several additional on-site job-specific trainings were organized with different groups of workers (on-height workers) and drivers. Contractor's drivers and workers were informed on dust control measures, driving and traffic control measures and rules, as well as inducted on main safety hazards during construction activities, such as erection and operation on scaffoldings, using ladders, working in tranches and wearing PPE	No training	No training	Job-specific safety training	-
April	Additional training of workers on safety for working on height and for safety in deep pits required by SE was conducted on-site.	Additional training of workers on safety required by SE was conducted on-site. Contractor's drivers and workers were informed on using covers, as well as on main safety hazards during construction activities, such as erection and operation on scaffoldings, using ladders, working in tranches and wearing PPE. Environmental training repeatedly requested for sub-contractors is not implemented.	No training	No training	No training	Advance Environmental Safeguards Training (AEST) organized by CWOD-PSG, 25-27.04.2023
May	Comprehensive environmental/ H&S training on ADB safeguards and IEE/EMP requirements was implemented for the staff, foremen and workers of the newly contracted subcontractor Kamurdjshin LLC on May 11, 2018. The scope of training included the possible environmental and H&S negative impacts, their mitigation measures,	Contractor hold an environmental/ H&S training on ADB safeguards and IEE/EMP requirements for the newly hired engineering and working staff and foremen on May 8 and 10, 2018. Totally 77 people were trained. The report on the training together with the topic and list of participants is attached in Contractor's monthly report for May 2019.	On-site trainings with different groups of workers	Environmental/ H&S trainings on May 15 for different groups of workers	No training	-

	emergency plan, work safety standards and PPE requirements, archaeological chance finds procedures. Also, an additional training of workers on safety for working on height and for drivers regarding the speed limits for dust control required by SE was conducted on-site.					
June	Comprehensive environmental/ H&S training on ADB safeguards and IEE/EMP requirements was implemented for the newly hired staff, foremen and workers, on June 15, 2018. The scope of training included the possible environmental and H&S negative impacts as well as their mitigation measures, emergency plan, work safety standards and PPE requirements, archaeological chance finds procedures. Also, additional training of workers on safety for working on height, on main safety hazards during construction activities, such as erection and operation on scaffoldings, using ladders, working in tranches and wearing PPE, as well as for drivers regarding the concrete waste water management required by SE was conducted on-site.	On-site job-specific trainings were organized with different groups of workers (on-height workers) and drivers	No training	On-site environmental/ H&S briefing of the staff	No training	-
July	Several additional trainings organized with different groups of workers and drivers (drivers of concrete mixers, workers who works on the bridges, etc). The drivers and workers were informed on concrete wash water discharge and dust control measures, as well as on main safety hazards during construction activities, such as installation and operation on scaffoldings, using ladders, working in tranches and wearing PPE.	No training	No training	No training	No training	-
August	A health& safety training was organized by SE EHSS for all the site- inspectors and engineers on August 30, 2018. 20 participants were present. The training material was developed in the form of PP Presentation and was focused on SUDIP site specific frequent non-compliances. The main topics were: <ul style="list-style-type: none"> - RoW and work site fencing, barriers - Warning and road safety signs - Uniform and PPE - Pedestrian corridor and posters on public safety; - Organization of storage area - Safety on- height; - Sanitary facilities; 	On-site job-specific trainings were organized with different groups of workers (on-height workers of sub-contractor City Group) and drivers	On-site trainings were organized with different groups of workers, like drivers and on-height workers	No training	No training	-
September	No training	H&S training on use of covered	On-site	On-site	No training	On-site

		trucks and responsibilities of foremen was held on September 14, 2019. The list of participants provided in WMR week 3.	trainings were organized with different groups of workers, like drivers and on-height workers	environmental/ H&S briefing of the staff		environment, health and safety training with different groups of workers held on 22.09.2023.
October	An awareness raising ADB Safeguard Policy training on Environmental/ Health & Safety for Contractor's engineering and safeguard staff was implemented by the SE EHSS on October 3, 2018.	No training	On- site trainings with different groups of workers	No training	No training	No training
November	An awareness raising ADB Safeguard Policy training on social safeguards for Contractor's engineering and safeguard staff was implemented by the Engineer's HSE on November 3, 2018. The Agenda of the training was the following: 1. Introduction of the ADB SPS (2009) 2. Role and responsibilities of PIU, Engineer's and Contractor's social specialists. Active listening, interactive communication, managing emotions. 3. The Project Grievance Redress Mechanism: key elements, analyse the problem and steps in handling the complaint, approaches for problem solving. 4. Case study 5. Monitoring and reporting according to the ADB new Manual.	No training	On- site trainings with different groups of workers	On-site environmental trainings with different groups of workers	Job-specific safety training	No training
December	No training	Environmental/H&S training held by Contractor for contractor's and sub-contractors' staff on December 21, 2019. Totally 47 people were trained. The full report on the training together with the agenda, topic, pictures and list of participants is attached in Contractor's monthly report for December 2019.	-	No training	No training	No training

5. GRIEVANCE REDRESS MECHANISM AND PUBLIC CONSULTATION

52. For feedback, concerns and complaints from the APs, a GRM, inspired by the problem-solving function of ADB's guidelines and policies shall maintained for the duration of the Project. The GRM intended to assist aggrieved persons in lodging their complaints and to describe the mechanism designed to redress their grievances in a timely and effective manner. The parties potentially involved are the complainants, Contractor, Engineer, PIU, EA, NGOs, and the courts. The details of the GRM operation could be found in EIA for Tender 3 & in IEEs of Tender 4 and Tender 5.

53. A proper GRM has been established to meet environmental related concerns of affected people in Davitashen-Ashtarak road link Tender 4 and in Babajanyan-Ashtarak road link Tender 5. The availability of the logbook and registered complaints in the Contractor's field office regularly checked during the monitoring site visits. During the reporting period Contractor Tender 5 ensured permanent communication with the local residents, APs and other public.

54. According to the **Tender 3** Contractor there were no complaints during the reporting period.

55. There were no complaints during the reporting period for **Tender 5**.

56. During the reporting period complaints for **Tender 5** (see below table 5-1.) regarding cracks, utility damage and /or replacement, access issues, business losses were addressed by the Contractor's, Supervision Engineer's social specialists coordinated by Sirak Gyulbudaghyan - PIU land acquisition and resettlement specialist.

57. Status of complaints raised by the APs by the end of the reporting period are presented in table 5-1. 34 complaints remain open by end of December 2024, the status of which will be presented in future EMRs.

58. Detailed information on open/closed complaints to the ADB were provided in the Social safeguard semi-annual reports for period June-December 2023, as well as January-June 2024.

59. Summary of the complaints as of end of December 2024 for Tender 5 is presented below in table 5-1.

Table 5-1. Status of complaints for Tender 5 as of end of June, 2024

N of Complaint	APs Name Surname	APs Address	Type of Complaint	Nature of Complaint	Actions Taken	Current status of complaints as of June 2023
1.	Ashot Yeghiazaryan	Shahumyan 16str, house 143	Written complaint submitted to PIU on October 1, 2018	Cracks in the AP's house	Visit conducted on October 9, 2018	OPEN Ongoing monitoring
2.	Naira Tonoyan	Shrami 10/1	Written complaint submitted to PIU on October 4, 2018	Cracks in the house	Visit conducted on October 9, 2018. Second visit performed on January, 2019	OPEN Ongoing monitoring
3.	Artur Yeghiazaryan	Shahumyan 16str, house 143/6	Written complaint submitted to PIU on October 1, 2018	Cracks in the house	Visit conducted on October 9, 2018	OPEN Ongoing monitoring
4.	Artur Yeghiazaryan	Shahumyan 16str, house 143/1	Written complaint submitted to PIU on October 1, 2018	Cracks in the house	The house has been surveyed by the Contractor on October 9, 2018	OPEN Ongoing monitoring
5.	Karine Sukiasyan	Tichina 16str. house 148	verbal complaint to DESC in September, October, 2018	Sewage pipeline damaged	Official letter N 3203/124A1/2018, dated October 4, 2018 sent by DESC to Contractor to repair the sewage pipeline	CLOSED The pipeline has been repaired

6.	Andranik Gharibyan	Ajapnyak HWY 7/3, 7/4	Written complaint to PIU dated October 16, 2018	Access issue to the shop	The issue has been forwarded to the engineers for their observation and feedback	CLOSED Temporary and then main pedestrian access has been provided after works completion
7.	Parandzem Ghazaryan	Sherami 77 str. house N 71	Written complaint to PIU dated January 23, 2019	Access and parking issue to the AP's house		CLOSED The house shelter has been removed The complaint was about the absence of the car access and parking next to the AP's house as it used to be. Currently, a house shelter is placed on the access road for the AP to approach her house and park the car. The mentioned house shelter has been expropriated as it used to be on the way being constructed. On that time the owner of the house shelter was asked to remove its property as it was an obstacle for the construction and consequently had been expropriated. The owner removed the house shelter and put it on the way to the AP Parandzem Ghazaryan's house hence being an obstacle for the AP's car to approach and park next to the house. The owner of the house shelter has been informed to remove the house shelter asap.
8.	Hayk Barseghyan	Haxtanak ave. 1/6	Written complaint to PIU dated January 24, 2019	Cracks in the hotel "Nairi"	Visit conducted in January, 2019 Another visit conducted in August, 2019	CLOSED The results of the recent visit as of August, 2019 showed that the cracks are not the consequences of the construction activities but those are caused because of the adjacent construction implemented by the owner.
9.	Ashot Davtyan	Serami 34/3	Written complaint to PIU May, 2018	Cracks in the house, disturbance to the disabled son	Visit conducted on June 1, 2018	CLOSED The house is expropriated in order to avoid the negative impact on the disabled AP.
10.	Karen Amiryan	Sherami 76/5	Written complaint to PIU dated February 14, 2019	Cracks in the house, damaged sewage pipeline and electrical wires	Visit conducted on March 1, 2019	OPEN Post construction survey to be conducted. The sewage pipeline as it was clarified had not been existed in the part mentioned by the AP, in addition a sewage pipeline exists on the opposite site of the AP's house to which the AP house can be connected after the AP applies to the corresponding entity (Veolia Jur company). As for the damaged electrical wires that may cause danger for the public a temporary solution has been given till the permanent solution, i.e., to

						recover the initial stage/installation of the el. Wires.
11.	Noy Taxi Service	Sherami 100/1	Written complaint to PIU dated March 29, 2019	Cracks in the building	Visit conducted on April 4, 2019	OPEN Post construction survey to be conducted
12.	Qajik Khachatryan	Sherami 31/4	Verbal complaint dated April 10, 2019	Pipeline trench location to damage the stairs of the building	Non formal discussion has been conducted by the Contractor's representative with the AP. As a result, an agreement has been reached which satisfied the AP	OPEN Ongoing monitoring
13.	Tehmine Kirakosyan	Sherami 100/1	Written complaint to PIU dated April 12, 2019	Cracks in the house	Visit conducted on May 4, 2019	OPEN Post construction survey to be conducted
14.	Vagharshak Avetisyan	Sherami 9/35	Verbal complaint to the CR on May 6, 2019	Cracks in the house	Visit conducted on May 6, 2019	OPEN Post construction survey to be conducted
15.	Manush Sargsyan	Shahumyan 16str, house 164	Written complaint submitted to PIU dated May 13, 2019	Water flow into the AP's house	House visited on May 14, 2019	OPEN The water flow was not because of construction. It was from Vahagni District and flooded the construction site and the APs house. This was clarified to the AP. AP applied to Court and the Court has involved YM as third party.
16.	Armine Karapetyan	Sherami 10/12	Verbal complaint dated May 3, 2019	Balcony weakening due to construction activities	The Contractor's representative visited the AP and reminded about the post construction survey to be conducted when the construction activities are over.	OPEN Ongoing monitoring
17.	Manush Sargsyan	Shahumyan 16str, house 164	Verbal complaint dated June 14, 2019	Cracks in the house	House visited and surveyed on June 14, 2019	OPEN Post construction survey to be conducted
18.	Aram Jaghatspanyan	Sherami 88/7	Verbal complaint dated June 9, 2019	Cracks in the house	House visited and surveyed on June 9, 2019	CLOSED A CAP on acquisition of the APs house prepared and implemented by PIU. The CAP implementation compliance report approved by ADB in November 2021.
19.	Anush Harutyunyan	Sherami 104/7	Verbal complaint dated June 14, 2019	Cracks in the house	House visited and surveyed on June 14, 2019	OPEN Post construction survey to be conducted
20.	Levon Aristakesyan	Babajanyan 4th building, apart. 32	Written complaint dated June 19, 2019	Trees cut as a result of construction activities Drinking water pipeline damaged, as a result of construction activities.	The damaged drinking water pipeline was repaired. In addition, in the scope of the Project it is foreseen to replace the old pipelines with the new once. It was observed by the Engineers that the contractor's activities were within the LARP boundaries; hence the AP's complaint was invalid.	CLOSED A CAP on compensation for trees and the land plot under the trees was prepared and implemented by PIU. The CAP implementation compliance report will be submitted to ADB in the next reporting period.
21.	Karine Mkrtchyan	Shahumyan 16th str.	Verbal complaint dated July 6,	Cracks in the house	House visited and surveyed on July 6,	OPEN Post construction survey to

Semi-annual environmental monitoring report
ARM: Sustainable Urban Development Investment Program, Tranche 2

		house 160	2019		2019	be conducted
22.	Eduard Barchamyan	Shahumyan 16str, house 158	Verbal complaint dated July 6, 2019	Cracks in the house	House visited and surveyed on July 6, 2019	OPEN Post construction survey to be conducted
23.	Salvi Harutyunyan	Sherami 111/8	Verbal complaint dated July 9, 2019	Cracks in the house	House visited and surveyed on August 9, 2019	OPEN Post construction survey to be conducted
24.	Anush Harutyunyan	Sherami 114/7	Verbal complaint dated July 14, 2019	Cracks in the house	House visited and surveyed on July 14, 2019	OPEN Post construction survey to be conducted
25.	Alina Avagyan	Sherami 7/9	Verbal complaint dated August 15, 2019	Cracks in the house	House visited and surveyed on August 15, 2019	OPEN Post construction survey to be conducted
26.	Kima Sukiasyan	Shahumyan 16, h. 148	Verbal complaint dated August 15, 2019	Cracks in the house	House visited and surveyed on August 15, 2019	OPEN Post construction survey to be conducted
27.	Kima Sukasyan	Shahumyan 16, h. 148	Verbal complaint dated September, 2019	Cracks in the house	House surveyed on August 15, 2019 House revisited on September 26, 2019	OPEN Post construction survey to be conducted
28.	Anush Harutyunyan	Sherami 104/7	Verbal complaint dated September 13, 2019	Cracks in the house	House surveyed on August 6, 2019 House revisited on October 25, 2019	OPEN Post construction survey to be conducted
29.	Mary Martirosyan	Shahumyan 16, h. 122	Verbal complaint dated September, 2019	Cracks in the house	House surveyed on September 6, 2019 House revisited on October 3, 2019	OPEN Post construction survey to be conducted
30.	Salvi Harutyunyan	Sherami 111/8	Verbal complaint dated October 15, 2019	Cracks in the house	House revisited on November 18, 2019	OPEN Post construction survey to be conducted
31.	Manush Sargsyan	Shahumyan 16, h. 164	Verbal complaint dated October 15, 2019	Cracks in the house	House surveyed on July 4, 2019 House revisited on November 11, 2019	OPEN Post construction survey to be conducted
32.	Karen Hovasapyan	Sherami 104/1	Verbal complaint dated October 29, 2019	Cracks in stone fence of the garden	Stone wall fence surveyed on October 29, 2019 House revisited on November 21, 2019	CLOSED (Compensation will be paid by PIU, Engineer defined the reasons of the damages, which was related to the earth works at the site) A CAP was prepared by Engineer and provided to PIU for review The CAP has been approved by PIU 04 May 2020 and implemented accordingly.
33.	Artur Yeghiazaryan	Shahumyan 16, 143/1	Written complaint to PIU dated December 11, 2019	Cracks in the house and collapsed stone fence in the garden	House surveyed in June 2018 House revisited on January 9, 2020	OPEN Post construction survey to be conducted for the cracks in the house. The collapsed stone fence to be restored by the Contractor at his own expenses
34.	Aram Qljyan	Sherami 38/5	Verbal complaint via hot line of YM	Cracks in the building (workshop)	Building survey on 19 February 2020	OPEN A Cracks-related report was prepared and submitted to PIU for review
35.	Anahit Melkonyan	Sherami 4	Written complaint to PIU dated March 02, 2020	Cracks in the house	House surveyed in March 05 and 23, 2020	OPEN A Cracks-related report was prepared and submitted to PIU for review

36.	NOY TRANS	Sherami 100/4	Written complaint to PIU dated February 28, 2020	Cracks in the building (workshop)	Building survey on March 05, 2020	OPEN A Cracks-related report was prepared and submitted to PIU for review
37.	Lyova Banduryan	Shahumyan 16, 156	Written complaint to PIU dated March 25, 2019	Claim that the compensation has not been paid	Surveyed on April 20, 2020	CLOSED A CAP was prepared by PIU and approved by ADB. The CAP is implemented and compensation paid to the AP.
38.	Aram Jaghatspanyan	Sherami 88/7	Written complaint to PIU dated Sept. 13, 2019	Cracks in the house	Surveyed on October 27, 2020	CLOSED The same as case N 18
39.	Anahit Melkonyan	Sherami 4	Written complaint to PIU	Claim on cracks	Surveyed on September 11, 2020	OPEN The 2nd cracks report was prepared on November 03, 2020. The Reports are submitted to the AP. A post construction survey should be implemented after completion of construction.
40.	Salvi Harutyunyan	Sherami 111/8	Written complaint to YM dated 01.10.2020	Claim on cracks	Surveyed on November 19, 2020	OPEN A cracks report was prepared November 25, 2020. The Reports are submitted to the AP. A post construction survey should be implemented after completion of construction.
41.	Artak Karapetyan	Sherami 96/13	Written complaint to PIU dated 23.09.2020	Claim on cracks	Surveyed on November 19, 2020	OPEN A cracks report was prepared on December 25, 2020. The Reports are submitted to the AP. A post construction survey should be implemented after completion of construction.
42.	Gevorg Mkhitarian	Amaranotsayin 2, 81	Written complaint to PIU dated 24.09.2020	Claim on cracks	Surveyed on December 28, 2020	OPEN A cracks report was prepared on December 28, 2020
43.	Vardan Avetisyan	Babajanyan 3/1	written complaint to PIU dated 01.04.2021	Request for compensation due to temporary closure of business.		CLOSED A CAP on compensation for the temporary stoppage of business approved by ADB. Compensation amount transferred to the APs bank account.
44.	Nune Diloyan	Babajanyan 29/4	written complaint to PIU dated 20.04.2021	Request for compensation due to financial losses because of construction.		CLOSED The APs complaint is rejected as the entrance of the business and the access are not closed.
45.	Salvi Harutiunyan	Sherami 111/8	written complaint to PIU dated 10.05.2021	Request to construct a retaining wall near the land plot		CLOSED Rejected. It was clarified to the AP the construction of retaining walls is based on technical conditions and in her case it is not envisaged.
46.	Anahit Melqonyan	Sherami 4	written complaint to PIU dated 13.05.2021	Request to compensate for cracks		OPEN The same case as N39.
47.	Alvina Ghahramanyan	Sheram 73	Written complaint to YM dated 04.11.2021	The AP and her family are out of the country from 2010 and recently were informed that their garage was demolished. The APs lawyer requested		CLOSED Rejected. It was clarified to the AP that the garage is not demolished by SUDIP project and during DMS there was no garage in the mentioned address. Google Earth screenshots and photos of he mentioned area, proving absence of

				compensation for a garage which was demolished.		the garage at the time of DMS were provided to the APs lawyer.
48.	Vardan Hakobyan	Sheam 7/7a	Written complaint to MTAD 01.12.2021	The AP complained that he used to live in a metal kiosk located at Sheram 7/7a and only recently he has allowed his relatives to live in the mentioned address. The AP requested to provide compensation or information to whom the compensation was provided.		CLOSED Rejected. It was clarified to the AP that the mentioned address was not included in the list of affected properties.
49.	Arsen Babayan	Babajanyan 18/4	Written complain to PIU dated 27.12.2021	The AP complained that due to construction activities his business is suffering losses and requested compensation. The entrance of the APs auto spare parts shop is blocked.		CLOSED Additional compensation is provided to the AP.
50.	Hamin Grigoryan	Babajanyan 2	Written complaint to Yerevan Municipality	The AP complained that due to construction activities entrance of her garage was blocked and she was not able to enter.		CLOSED The Contractor was notified and the entrance of the garage was opened on the same day.
51.	Liza Grigoryan	Babajanyan 8/4, 8/5	Written complaint to PIU dated 04.04.2022	The AP complained that she is operating a business and her employees are working in unsafe conditions as the road to be built will pass very close to her building.		Open A Site visit was organised based on the APs complaint. Additional stickers were put on the existing cracks of the building and it was clarified to the AP that post construction survey will be done.

6. FUNCTIONING OF THE SEMP

6.1 SEMP Review

60. There are no construction activities during the current reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

61. The requirements set in the IEE/EMP was mostly feasible and Contractors were realised accordingly with implementation of the SEMP.

7. GOOD PRACTICE AND OPPORTUNITY FOR IMPROVEMENT

7.1 Good Practice

62. No any special event of good practice was recorded during the reporting period, because all construction works under **Tender 3** and **Tender 5** were completed.

7.2 Opportunities for Improvement

63. During the reporting period the opportunities for improvement of environmental/ health & safety performance compliance to requirements which are set in IEE/EMP/SEMP is satisfactory.

8. SUMMARY AND RECOMMENDATIONS

8.1 Summary

624. For **Tender 3**, the construction commencement provided on 6 September 2019. Construction works were restarted on April 15. Argavand-Shirak Road link is already completed (July 4th 2022) and construction of Argavand-Babajanyan- sector finalized by the end of June, 2023. There is about 1 km road section between Arganad-Shirak and Babajanyan-Ashtarak road links, which is not included neither in volumes of Argavand-Shirak nor in Babajanyan-Ashtarak. The design of reconstruction works for Argavand-Babajanyan sector was elaborated by EGIS supervising Company and was granted to T3 Construction Contractor “Levantina, Ingenieria Y Construcccion” (Sub-contractors: JV Eiffage Genie Civil and Caucasus Road Project). Construction works for Argavand-Babajanyan 1 km sector started on 12 August, 2022. This section includes reconstruction of existing about 1km road section, including change of full pavement, replacement of kerb-stones, road marking and traffic signs installation. The proposed works were not significant in terms of the need for updates to the IEE/ EMP.

65. For Tender 3 all construction activities completed on 30 June, 2023.

66. **Tender 4** Davitashen-Ashtarak road link construction and defect notification period is completed. Nevertheless, in ealy 2021 ADB hired Noise survey individual consultant and conducted noise modeling/survey for whole length of Davitashen-Ashtarak road link. Based on the survey/modeling reasults noise barriers construction was suggestes by ADB to esure project complains with ADBs safeguard requirments. PIU Environmnetal specialist reviewed suggestions in May 2021 and identified that several changes took place (new constructions, new enterences opening etc.) in sections of seggested noise barriers construction and requested review of noise servay according to the new situation and conditions of the Davitashen-Ashtarak road link. Review of survey were conducted by noise expert hired by ADB during the August-September 2021. In October 2021 several joint site visits with participation of ADB, PIU environmental specialists and noise expert hired by ADB were conducted for understanding changes, likely environmnetal and social impacts due to the noise baarriers to be constructed and feasibility of noise barriers construction. As well initial meetings held with APs to consider their suggestions and conserns. As a result of multiple site visits and meetings, ADB and PIU decided to start construction feasibility survey, which was done by Tranche 2 Engineer - EGIS for suggested noise barriers in 2022. As per YMPIU request Egis International has implemented on-site investigations in Davtashen-Ashtarak road link concerning possibility of noise barrier's installation.

67. The design works were carried out by Egis International, on the basis of which the installation of noise barriers with a length of about 465 m was launched in January 2024 by Levantina Ingenieria Y Construcccion S.L. and finished on 28.03.2024.

68. For **Tender 5**, YM signed the contract with TIRRENA SCAVI S.p.A. (Italy) contractor for Babajanyan-Ashtarak highway on 11 December 2017.

69. Yerevan Municipality has been informed by Liquidators of Tirrena Scavi that Tirrena Scavi is insolvent. On 29 May 2023 Yerevan Municipality has terminated the Contract signed with “Tirrena Scavi S.p.A” Construction Company (Q2, 2023), notifying the contractor accordingly and proposed an assignment of the Contract to new Contractor (Khachhar LLC), which was approved sub-contractor under the Contract).

70. In consultation with ADB it was decided to assign the construction of remaining part of Babajanyan-Ashtarak road link to Levantina Ingenieria Y Construcccion S.L. as this company is only acting Contractor under SUDIP and has enough capacity. This assignment was formalized during

Q3 reporting period (2023). The Commencement Date for the Contractor was 29.08.2023 and the Completion Date was 22.12.2023 (Q4, 2023).

71. By the end of December 2023 construction activities under Tender 5 (the construction of remaining part of Babajanyan-Ashtarak road link) are substantially completed.

72. Taking into consideration that the Km 1+820 - 1+980 (Section B) was deleted from the scope of works the Contractor has undertaken in accordance with Sub-CI.3.3 GCC certain measures to make the deleted section safe for the public until the pending works will be undertaken in future. However, some public safety measures are not fully preserved due to the negligence of local residents and drivers. Despite the existing warning signs that driving on these sections is prohibited, sometimes drivers drive through these sections.

73. Grievance redress mechanism has been established in all communities where construction works have been implemented. Preconstruction public consultation and other regular communication with impacted communities took place and the proper functioning of grievance redress mechanism in all communities regularly checked. 34 complaints remain open by end of December 2024, the status of which will be presented in future EMRs.

8.2 Recommendations

73. There are no recommendations for this reporting period.

9. ANNEXES

Annex 1. Post Construction Environmental, Health & Safety Audit Checklist

Project: SUDIP Tranche 2. Construction of L3293-ICB/ CW-T5-SS: Construction of Road links of Yerevan Western Ring Road

Implementing Agency: YM PIU¹
Scope of Inspection: Babajanyan - Ashtarak Highway
Attendees Name & Position: Kristine Sahakyan, Environmental Specialist
Date: 08.10.2024
Weather Condition: Partly cloudy

Preamble/Note: For Tender 5, Yerevan Municipality signed the contract with TIRRENA SCAVI S.p.A. (Italy) contractor for Babajanyan-Ashtarak highway on 11 December 2017. YM has been informed by Liquidators of Tirrena Scavi that Tirrena Scavi is insolvent after which YM has terminated the Contract on 29 May 2023, notifying the contractor accordingly and proposed an assignment of the Contract to new Contractor (Khachhar LLC), which was approved sub-contractor under the Contract).

In consultation with ADB it was decided to assign the construction of remaining part of Babajanyan-Ashtarak road link to Levantina Ingenieria Y Construccion S.L. as this company is only acting Contractor under SUDIP and has enough capacity. This assignment was formalized during Q3 reporting period (2023). The Commencement Date for the Contractor was 29.08.2023 and the Completion Date was 22.12.2023. By the end of December 2023 construction activities under Tender 5 are completed.

The construction works of Sector B of Babajanyan-Ashtarak road section from km 1+820 to km 1+980 was not possible due to circumstances independent of the Yerevan Municipality, as there was a court case, within the framework of which the court adopted a decision to enforce the claim, imposing a ban on the construction of the road, on the real estate at 46/1 G. Sheram Street, Yerevan.

As a result of all this, no activities, including construction works, have been allowed to be carried out in that section since May 8, 2023.

The construction of this Babajanyan-Ashtarak road section is planned to be carried out during January-December 2025, with the estimated cost of construction works amounting to about 340 million AMD.

It should be noted that this estimate still need to be approved by the Yerevan City Council, the session of which is scheduled for the end of December this year.

In the event of a resolution of the above-mentioned legal dispute on the Babajanyan-Ashtarak road section, the owner of the territory will need to be provided with compensation.

¹ This report was prepared by YM PIU environmental specialist, because there is no valid contract with Contractor, therefore the responsible construction company is out.

No.	Activity/Aspects	Likely Impacts	Measures implemented	Check (Yes / No / N/A)	Compliance Status
SUDIP Tranche 2. Construction of L3293-ICB/CW-T5 SS: Construction of Road links of Yerevan Western Ring Road Babajanyan - Ashtarak Highway					
1.	Land Acquisition and Use	Additional land acquisition or temporary use. Trees, bushes cut down, vegetation clearance	Additional land acquisition was not required. All the temporary used territories are cleaned and handed over. Additionally, 4390 trees and 7938 shrubs were cut in private sector according signed agreement with the property owner. Compensation regulated by LARP-implemented by Yerevan Municipality.	Yes	Completed
2.	Wildlife, National Parks, other Protected Areas	Damage to important habitats and ecosystem	National Parks and/or other Protected Areas were not present at Project area. Damage to the important habitats and/or ecosystems not recorded.	Yes	Completed
3.	Cultural and Historical Sites	Impacts, chance finds, used territory have been properly handled and closed/surrendered.	Impacts on cultural or historical sites were not recorded. Chance fins were not recorded.	N/A	-
4.	Water bodies	Land slide, soil erosion, change in riverbed and landscape, accidents	Impacts on water bodies were not recorded. Instrumental measurements of water quality were carried out throughout the entire period of the construction, when the civil works were implemented in close vicinity to Hrazdan Down Channel, specially crossing Babajanyan-Ashtarak road section near Tichina street.	N/A	-
5.	Worker's Health and Safety	Occupational Health and Safety incident/accidents, Covid 19, other diseases	Accidents/incidents have not been recorded during Project implementation phase; no procedures required. The COVID-19 control measures were in place when it was needed.	Yes	Completed
6.	Project site vegetation rehabilitation (re-vegetation)	Trees and shrubs cut down and planted	Totally 519 trees were catted in the public areas of the of Malatia-Sebastia and Ajapniak administrative districts within the project implementation. Within the framework of the 2023-2024 landscaping/greening works By the "Landscape Gardening and Environmental Protection" CNCO appropriate tree planting works were carried out in the public areas of the Malatia-Sebastia and Ajapniak administrative districts, where a properly functioning irrigation system is available. Totally 515 trees and 20,929 bushes in the Malatia-Sebastia and Ajapniak administrative districts were planted. Additionally, in the newly created "Park of Glory", located in the Malatia-Sebastia administrative district, has also planted 4,518 trees and bushes.	Yes	Completed
7.	Air Quality	Air quality deterioration due to new road GHG, dust emissions caused by trucks can occur	Evaluation of air quality is implemented, instrumental measurements conducted on 21 of February, 2024 (post-construction measurements). Results were presented separately.	Yes	Completed
8.	Noise Aspects Population	Noise barriers	Noise barriers have been installed for Tender 5 and Tender 4. Davtashen-Ashtarak Link. For Tender 4 the installation of noise barriers with a length of about 465m was launched in January 2024 by Levantina Ingenieria Y Construcccion S.L. and finished on 28.03.2024.	Yes	Completed
9.	Vibration aspects population		Periodic vibration measurements during construction were implemented by the Engineer based on the direct contract is signed between the YM and Egis international. In terms of impact on the health of APs, vibration levels were not exceeded, and the results were generally within the permissible	Yes	Completed

			levels set by sanitary norms ² .		
10.	Topsoil		During Project implementation generated topsoil has been mainly used for at place to recover territories from where the topsoil has been generated.	Yes	Completed
11.	Waste management		All the waste collected from the site and territories cleaned properly. Waste removal from the site implemented according SEMP. Waste is disposed at the landfill based on YM permission. Waste disposed at Nubarashen landfill based on construction permit N01/18-100210-1406 dated 04.11.2019 provided by YM (Yervan Municipality).	Yes	Completed
12.	Traffic management	Hazards and safety issues related to traffic	All the road signs are installed based on Traffic Management Plan approved by Road Police.	Yes	Completed
13.	Borrow sites and quarries	Borrow sites and quarries restored	Borrow sites and quarries were not used for the Project. The excavated materials from the earthworks were used for embankment. Contractor used materials from licenced suppliers.	N/A	-
14.	Existing Infrastructure facilities	Damage or disturbance to existing services (supply of electricity, water, gas, telecom etc.)	All the damages and disturbance of the existing services which happened during construction are restored. No complaints regarding this issue.	Yes	Completed
15.	Camp site facilities	All temporary/field plants (asphalt, concrete, crushing, etc.) have been dismantled and removed.	Field plants were not established for the Project.	N/A	-
		Permanently operating plants (asphalt, concrete, crushing, etc.) have been properly handled and closed/surrendered.	Permanently operating plants: Before 29 May 2023 the Asphalt and concrete plant belong and situated in the Khachar LLC was used, which was operating not only for the current Project. After that asphalt and concrete production implemented at the Kapavor LLC base, which also was operating not only for the current Project. The operation of these plants were compliant with Projects' environmental/safety requirements. Closure were not needed.	Yes	Completed
		All temporary facilities removed and cleaned up	All temporary facilities were removed, territory was cleaned properly.	Yes	Completed
16.	GRM	Unresolved complaints from Affected People	Post-construction survey implemented on 8 of October, 2024. Although the majority of complaints are closed, there are still some open cases. Detailed information on open/closed complaints to the ADB were provided in the Environmental semi-annual monitoring reports, as well as in the Social safeguard semi-annual report for period January-June 2024. The status of the complaints will be presented in future EMRs.	Yes	Completed partly
PROJECT EH&S FINAL STATUS					
Contractor cleaned all the territories that has been used during Project implementation, removed all the temporary facilities and implement all the other EH&S requirements.					

² The results of vibration instrumental measurements implemented by the Contractor are being compared with the legislative sanitary health norms. These norms are not applicable for evaluation of the impact on property.

PHOTOS





